

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062618\
 Data File : VD059417.D
 Acq On : 26 Jun 2018 11:27
 Operator : VA/AP
 Sample : VD0626SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

Quant Time: Jun 26 13:25:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	905499	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.68	114	1213882	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	951271	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	477770	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	455606	49.20	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	98.40%	
35) Dibromofluoromethane	5.54	113	472088	47.75	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.50%	
50) Toluene-d8	8.70	98	1069587	46.27	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	92.54%	
62) 4-Bromofluorobenzene	11.93	95	432756	45.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	210791	26.16	ug/l	100
3) Chloromethane	1.49	50	98347	23.46	ug/l #	85
4) Vinyl Chloride	1.56	62	103110	23.71	ug/l #	87
5) Bromomethane	1.79	94	31525	19.18	ug/l	94
6) Chloroethane	1.88	64	35125	17.61	ug/l	98
7) Trichlorofluoromethane	2.08	101	144952	23.11	ug/l	96
8) Diethyl Ether	2.34	74	31852	22.45	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.55	101	98293	25.22	ug/l	94
10) Methyl Iodide	2.68	142	96334	21.16	ug/l	95
11) Tert butyl alcohol	3.25	59	28323	88.41	ug/l #	94
12) 1,1-Dichloroethene	2.54	96	68487	22.95	ug/l	82
13) Acrolein	2.47	56	33770	117.92	ug/l	92
14) Allyl chloride	2.91	41	165307	24.21	ug/l	97
15) Acrylonitrile	3.34	53	107286	109.12	ug/l	97
16) Acetone	2.61	43	125733	107.58	ug/l	92
17) Carbon Disulfide	2.74	76	217682	23.82	ug/l	98
18) Methyl Acetate	2.94	43	59783	22.75	ug/l	97
19) Methyl tert-butyl Ether	3.39	73	319381	21.75	ug/l	98
20) Methylene Chloride	3.06	84	93765	27.82	ug/l	95
21) trans-1,2-Dichloroethene	3.38	96	125745	23.84	ug/l	95
22) Diisopropyl ether	4.06	45	569132	22.15	ug/l	95
23) Vinyl Acetate	4.00	43	1485591	110.97	ug/l	98
24) 1,1-Dichloroethane	3.96	63	344351	23.42	ug/l	97
25) 2-Butanone	4.82	43	249128	101.76	ug/l	99
26) 2,2-Dichloropropane	4.78	77	241864	21.21	ug/l	98
27) cis-1,2-Dichloroethene	4.79	96	193187	21.79	ug/l	96
28) Bromochloromethane	5.13	49	147627	23.16	ug/l	99
29) Tetrahydrofuran	5.17	42	140331	104.79	ug/l	98
30) Chloroform	5.31	83	376889	23.52	ug/l	97
31) Cyclohexane	5.58	56	242862	22.92	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	309539	23.85	ug/l	97
36) 1,1-Dichloropropene	5.73	75	250038	22.71	ug/l	99
37) Ethyl Acetate	4.91	43	139959	20.87	ug/l	97
38) Carbon Tetrachloride	5.71	117	269765	23.76	ug/l	97

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 Data File : VD059417.D
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 Sample : VD0626SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VD0626SBS01

Quant Time: Jun 26 13:25:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	244515	23.41	ug/l	95
40) Benzene	6.00	78	595216	22.52	ug/l	100
41) Methacrylonitrile	5.12	41	73602	22.79	ug/l	97
42) 1,2-Dichloroethane	6.11	62	256415	21.96	ug/l	98
43) Isopropyl Acetate	7.61	43	182260	21.64	ug/l #	98
44) Trichloroethene	6.97	130	193185	22.33	ug/l	93
45) 1,2-Dichloropropane	7.33	63	161125	22.02	ug/l	98
46) Dibromomethane	7.45	93	118428	22.50	ug/l	93
47) Bromodichloromethane	7.73	83	269819	22.91	ug/l #	96
48) Methyl methacrylate	7.49	41	107526	20.96	ug/l	92
49) 1,4-Dioxane	7.47	88	21327	414.47	ug/l	95
51) 4-Methyl-2-Pentanone	8.58	43	598696	106.68	ug/l	98
52) Toluene	8.79	92	348545	22.08	ug/l	99
53) t-1,3-Dichloropropene	9.17	75	207708	21.10	ug/l	93
54) cis-1,3-Dichloropropene	8.34	75	245061	21.50	ug/l	94
55) 1,1,2-Trichloroethane	9.44	97	123893	21.62	ug/l	96
56) Ethyl methacrylate	9.30	69	134546	20.58	ug/l	94
57) 1,3-Dichloropropane	9.65	76	204421	21.81	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.18	63	370377	110.04	ug/l	98
59) 2-Hexanone	9.77	43	416158	104.34	ug/l	95
60) Dibromochloromethane	9.94	129	170319	21.23	ug/l	99
61) 1,2-Dibromoethane	10.08	107	141263	22.14	ug/l	99
64) Tetrachloroethene	9.50	164	205716	24.65	ug/l	96
65) Chlorobenzene	10.72	112	408048	23.46	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.83	131	156238	23.40	ug/l	98
67) Ethyl Benzene	10.84	91	683960	23.30	ug/l	99
68) m/p-Xylenes	11.00	106	466436	47.90	ug/l	97
69) o-Xylene	11.40	106	225824	23.46	ug/l	96
70) Styrene	11.43	104	386417	23.41	ug/l	98
71) Bromoform	11.59	173	121009	21.88	ug/l	94
73) Isopropylbenzene	11.76	105	659166	24.45	ug/l	99
74) N-amyl acetate	11.64	43	214492	20.91	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.07	83	146058	23.09	ug/l	92
76) 1,2,3-Trichloropropane	12.10	75	151322	22.96	ug/l	98
77) Bromobenzene	12.04	156	196731	23.18	ug/l	83
78) n-propylbenzene	12.14	91	840468	24.61	ug/l	97
79) 2-Chlorotoluene	12.20	91	478639	23.87	ug/l	98
80) 1,3,5-Trimethylbenzene	12.31	105	519114	24.19	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	30748	20.53	ug/l	94
82) 4-Chlorotoluene	12.32	91	551870	24.27	ug/l	91
83) tert-Butylbenzene	12.57	119	580509	25.43	ug/l	92
84) 1,2,4-Trimethylbenzene	12.62	105	557239	24.53	ug/l	97
85) sec-Butylbenzene	12.74	105	693919	24.77	ug/l	98
86) p-Isopropyltoluene	12.88	119	553736	24.52	ug/l	97
87) 1,3-Dichlorobenzene	12.83	146	330159	23.65	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	313596	22.76	ug/l	94
89) n-Butylbenzene	13.19	91	561573	25.19	ug/l	97
90) Hexachloroethane	13.39	117	140444	24.93	ug/l	83
91) 1,2-Dichlorobenzene	13.19	146	287984	24.33	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	24375	23.37	ug/l	88

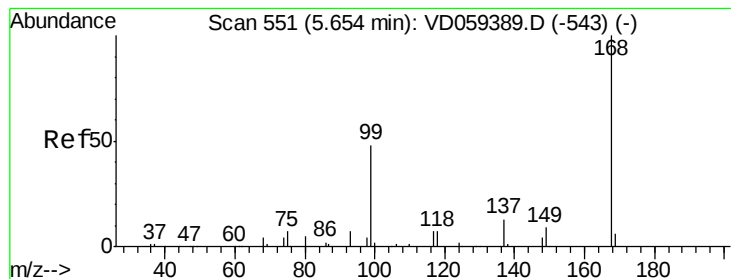
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062618\
Data File : VD059417.D
Acq On : 26 Jun 2018 11:27
Operator : VA/AP
Sample : VD0626SBS01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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Quant Time: Jun 26 13:25:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	253942	23.21	ug/l	94
94) Hexachlorobutadiene	14.43	225	193751	23.53	ug/l	99
95) Naphthalene	14.51	128	362777	23.79	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	231593	23.54	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.03 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

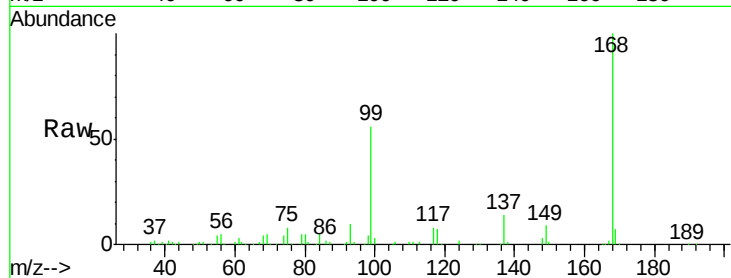
VD0626SBS01

Tot Ion:168 Resp: 905499

Ion Ratio Lower Upper

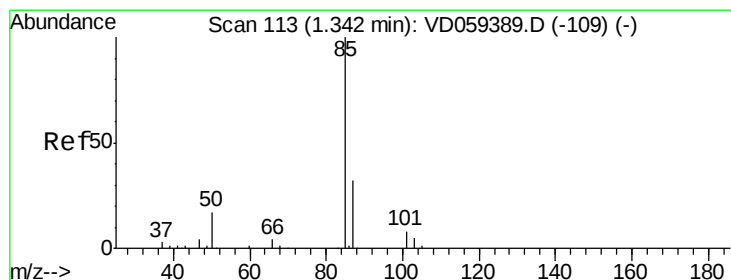
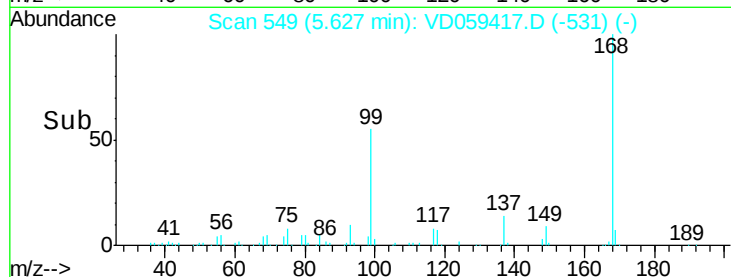
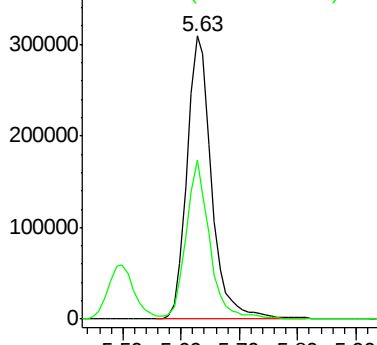
168 100

99 56.2 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 26.16 ug/l

RT: 1.34 min Scan# 114

Delta R.T. 0.00 min

Lab File: VD059417.D

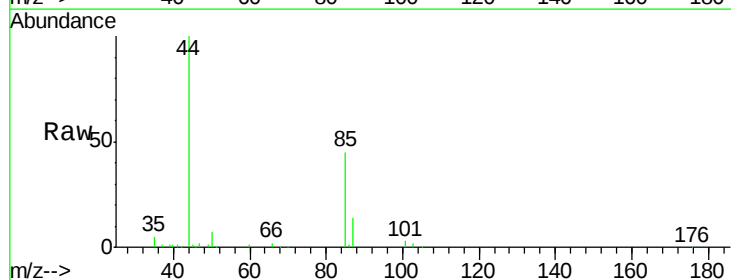
Acq: 26 Jun 2018 11:27

Tgt Ion: 85 Resp: 210791

Ion Ratio Lower Upper

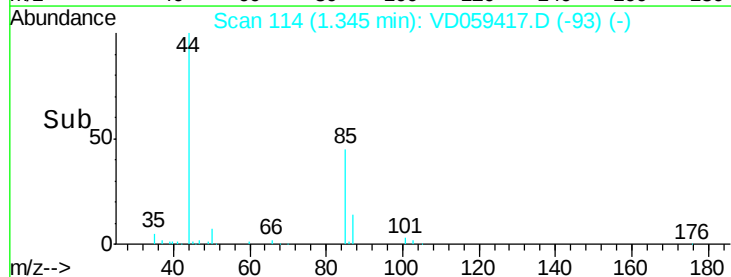
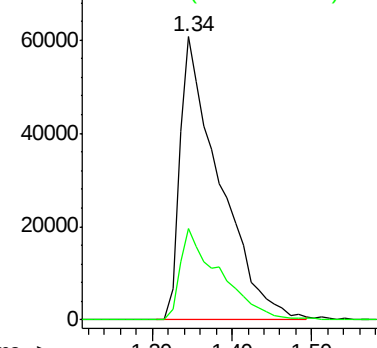
85 100

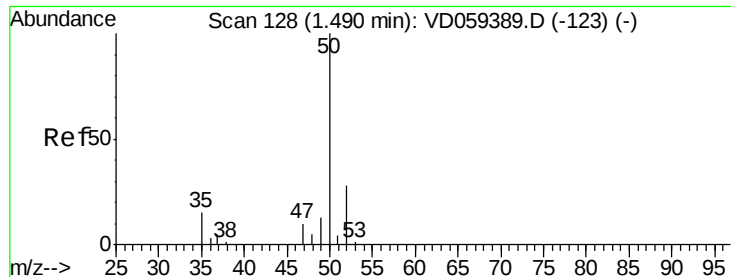
87 32.2 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.46 ug/l

RT: 1.49 min Scan# 129

Delta R.T. 0.00 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

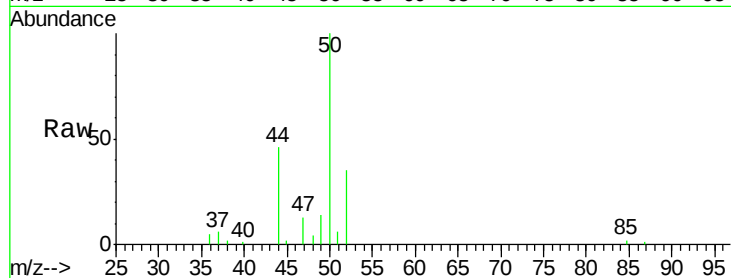
VD0626SBS01

Tot Ion: 50 Resp: 98347

Ion Ratio Lower Upper

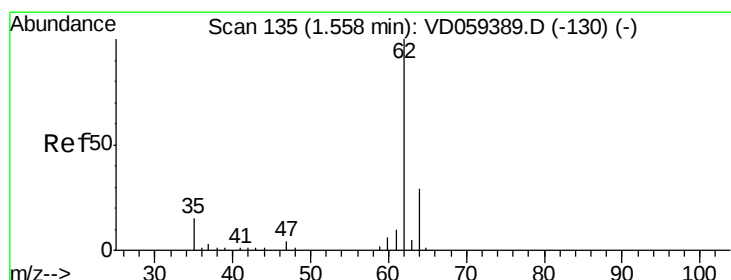
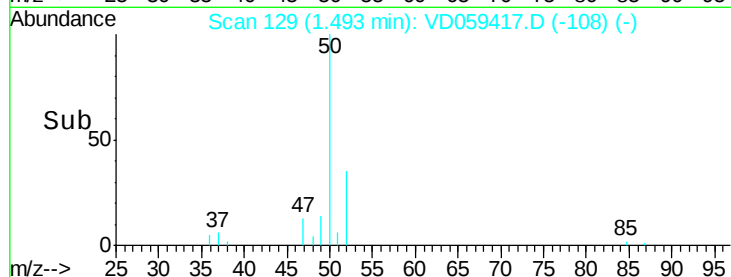
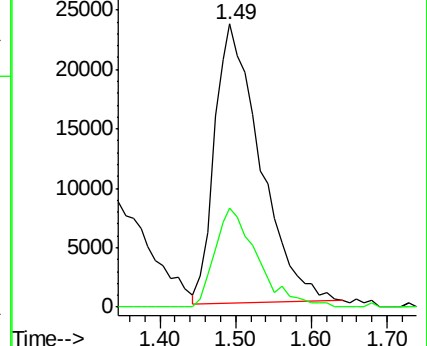
50 100

52 35.2 21.8 32.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.71 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.00 min

Lab File: VD059417.D

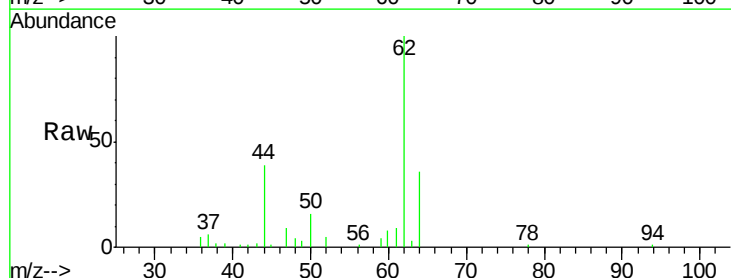
Acq: 26 Jun 2018 11:27

Tgt Ion: 62 Resp: 103110

Ion Ratio Lower Upper

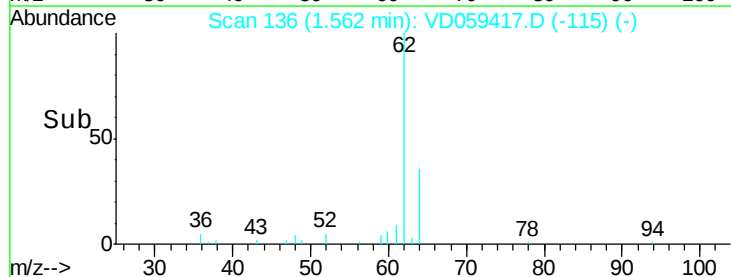
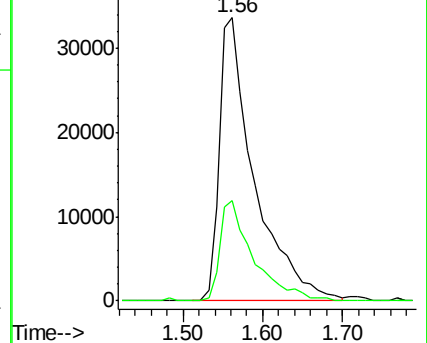
62 100

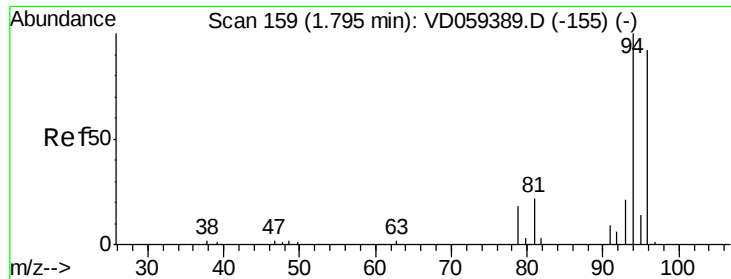
64 35.5 23.0 34.6#



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.18 ug/l

RT: 1.79 min Scan# 159

Delta R.T. -0.01 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

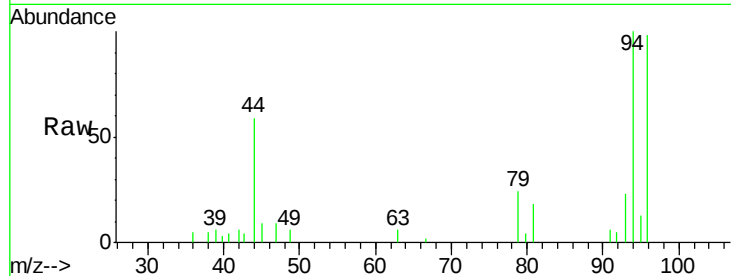
VD0626SBS01

Tot Ion: 94 Resp: 31525

Ion Ratio Lower Upper

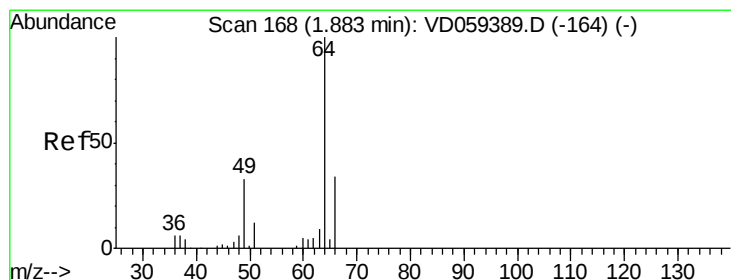
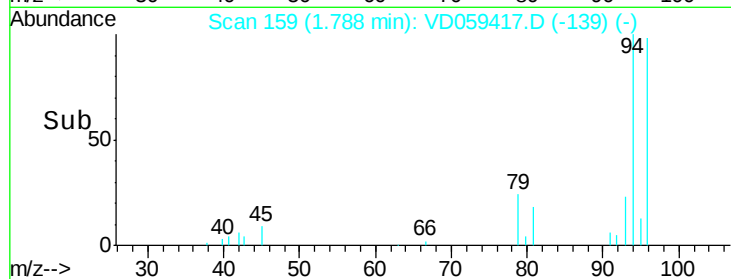
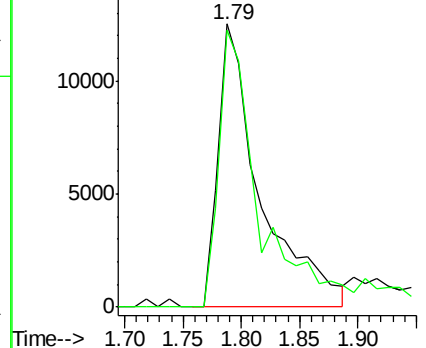
94 100

96 97.7 73.4 110.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.61 ug/l

RT: 1.88 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD059417.D

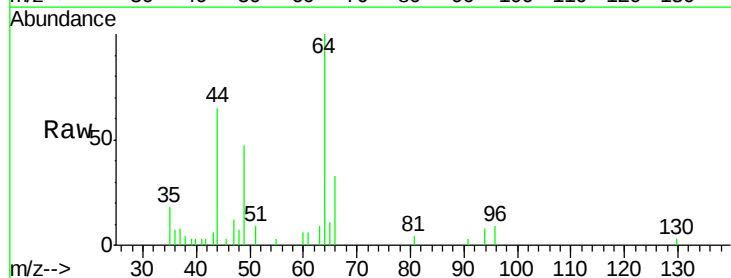
Acq: 26 Jun 2018 11:27

Tgt Ion: 64 Resp: 35125

Ion Ratio Lower Upper

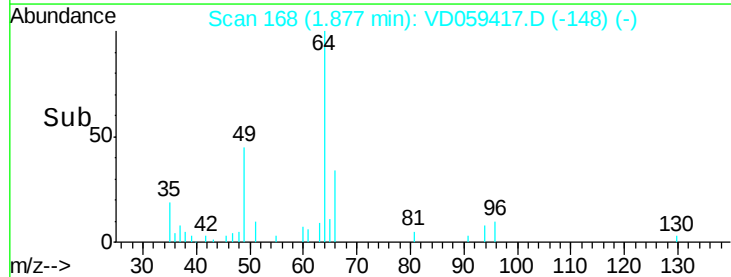
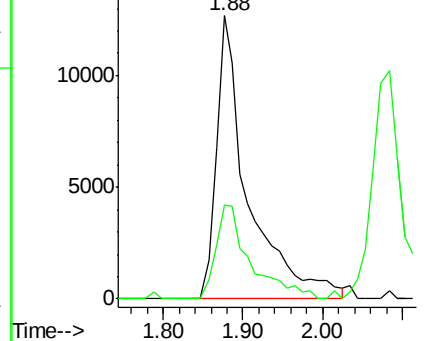
64 100

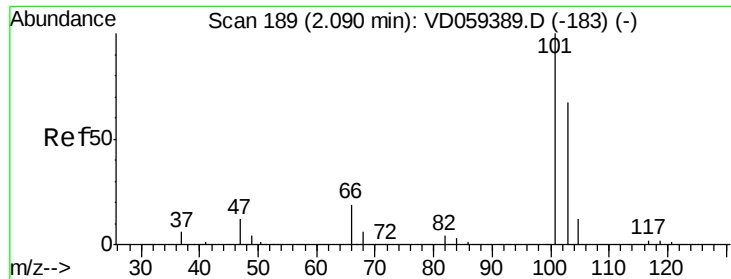
66 33.0 27.1 40.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



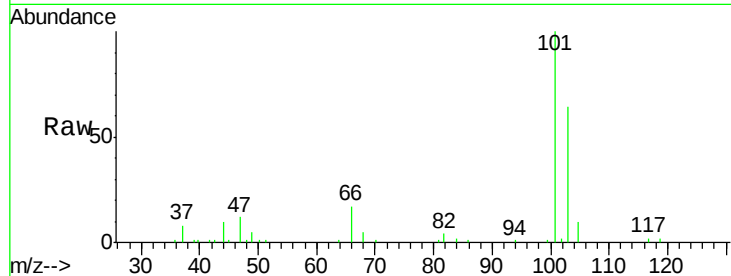


#7

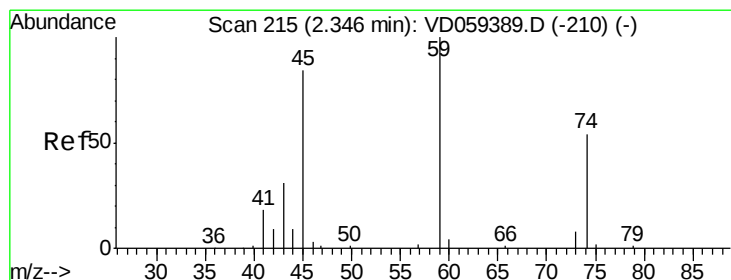
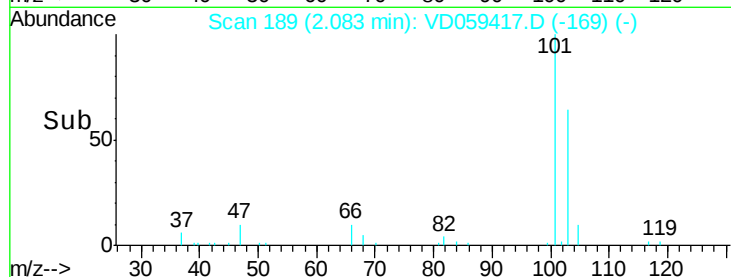
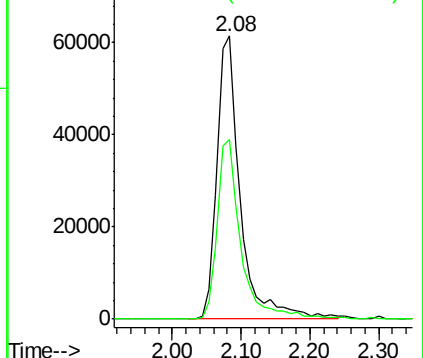
Trichlorofluoromethane
 Concen: 23.11 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. -0.01 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

Tot Ion:101 Resp: 144952
 Ion Ratio Lower Upper
 101 100
 103 63.7 53.4 80.0



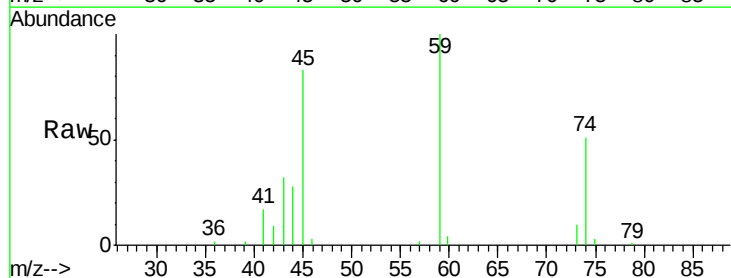
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



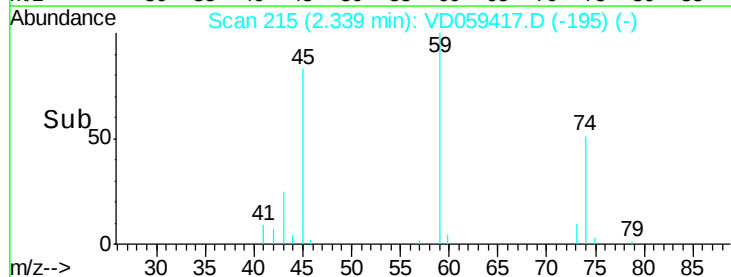
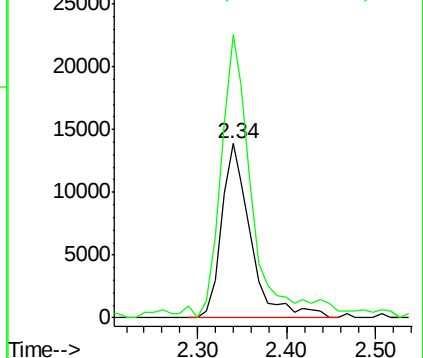
#8

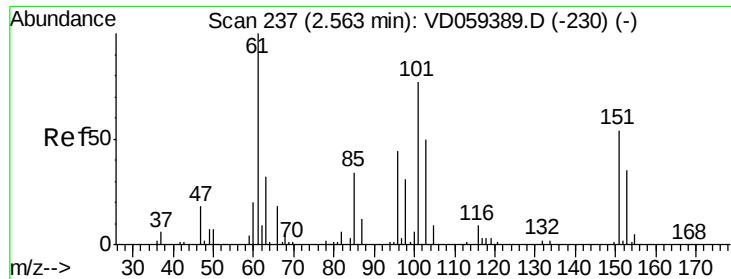
Diethyl Ether
 Concen: 22.45 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. -0.01 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

Tgt Ion: 74 Resp: 31852
 Ion Ratio Lower Upper
 74 100
 45 162.6 78.0 233.8



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.22 ug/l

RT: 2.55 min Scan# 236

Delta R.T. -0.02 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

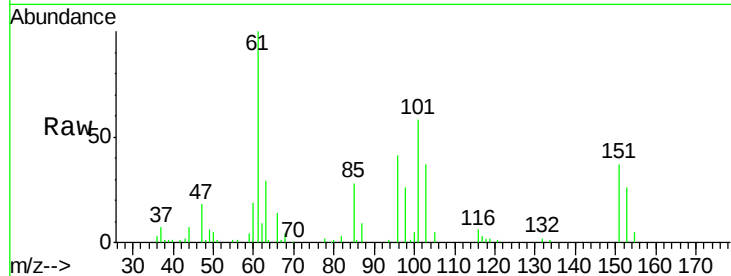
Tot Ion:101 Resp: 98293

Ion Ratio Lower Upper

101 100

85 47.5 35.7 53.5

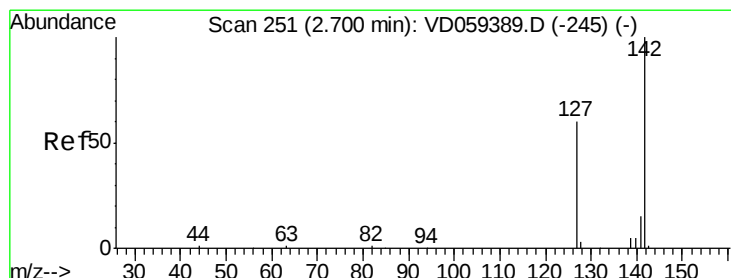
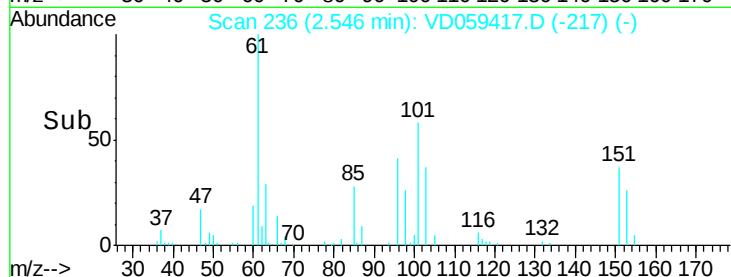
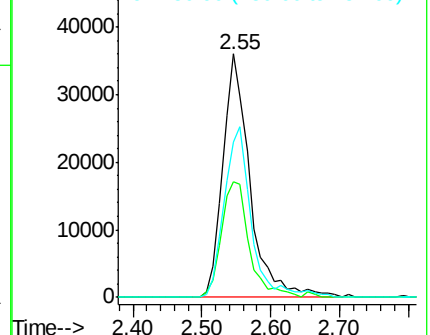
151 63.9 55.8 83.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 21.16 ug/l

RT: 2.68 min Scan# 250

Delta R.T. -0.02 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

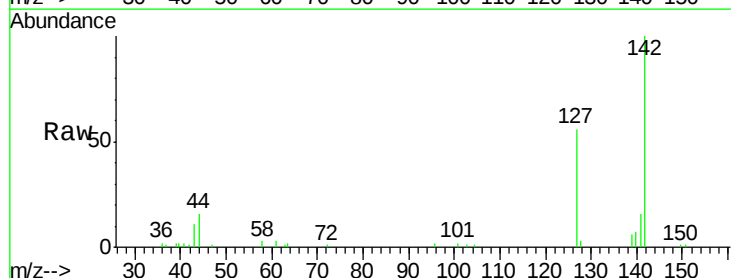
Tgt Ion:142 Resp: 96334

Ion Ratio Lower Upper

142 100

127 56.5 48.4 72.6

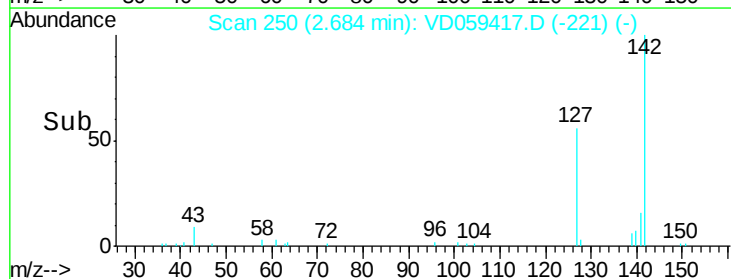
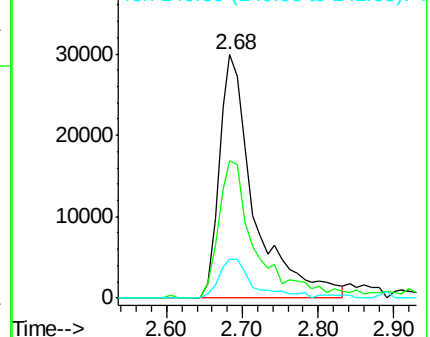
141 16.2 12.1 18.1

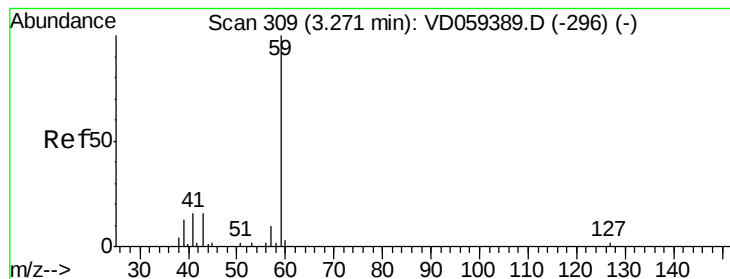


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



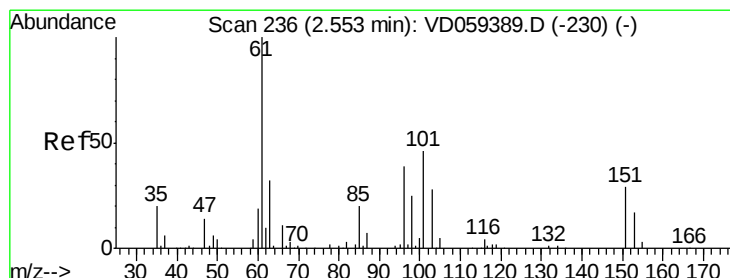
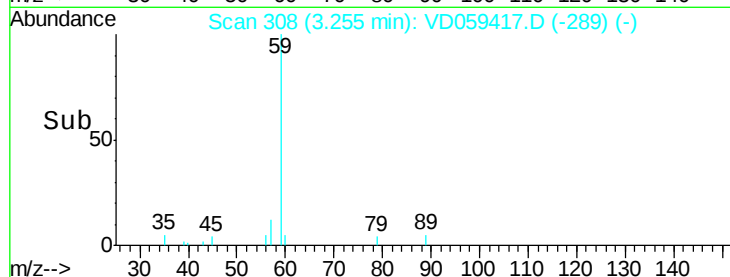
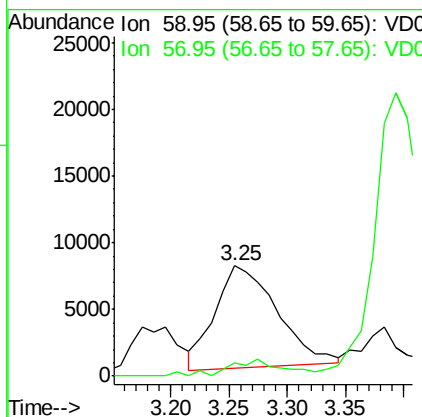
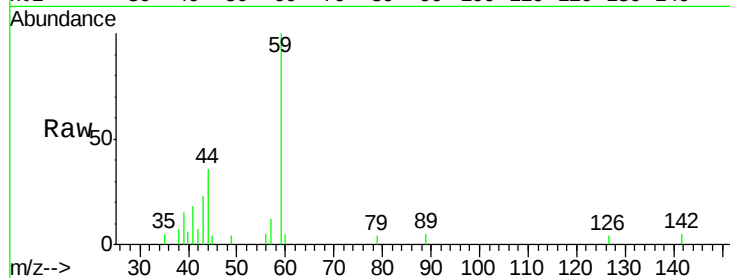


#11

Tert butyl alcohol
 Concen: 88.41 ug/l
 RT: 3.25 min Scan# 308
 Delta R.T. -0.02 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

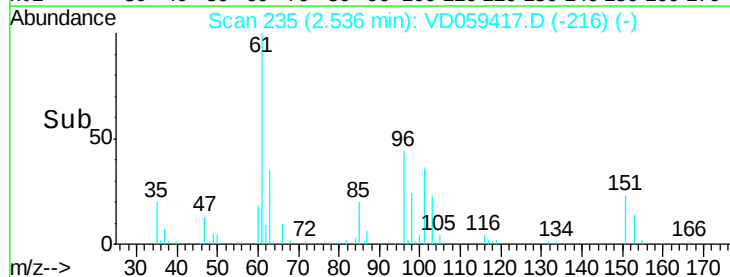
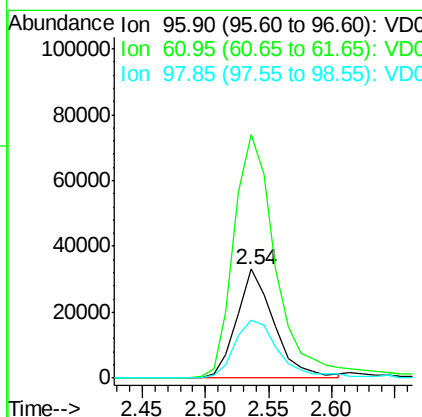
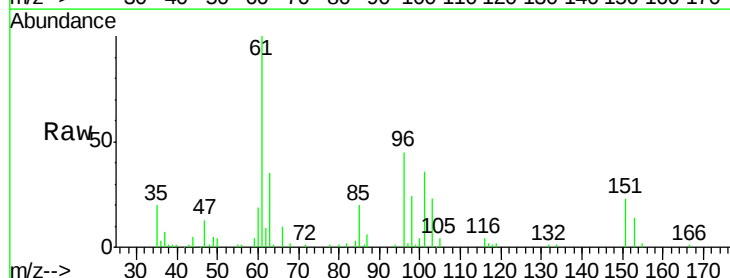
Tot Ion: 59 Resp: 28323
 Ion Ratio Lower Upper
 59 100
 57 12.5 8.3 12.5#

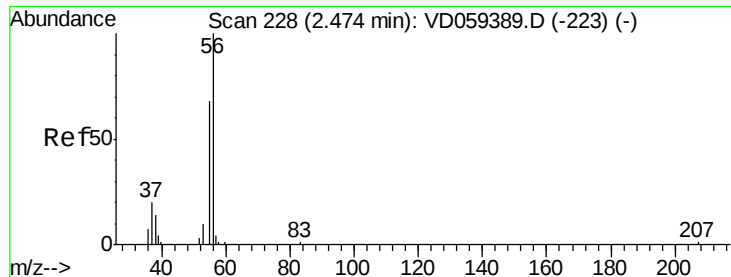


#12

1,1-Dichloroethene
 Concen: 22.95 ug/l
 RT: 2.54 min Scan# 235
 Delta R.T. -0.02 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

Tgt Ion: 96 Resp: 68487
 Ion Ratio Lower Upper
 96 100
 61 223.1 205.4 308.0
 98 52.7 51.0 76.4





#13

Acrolein

Concen: 117.92 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.01 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

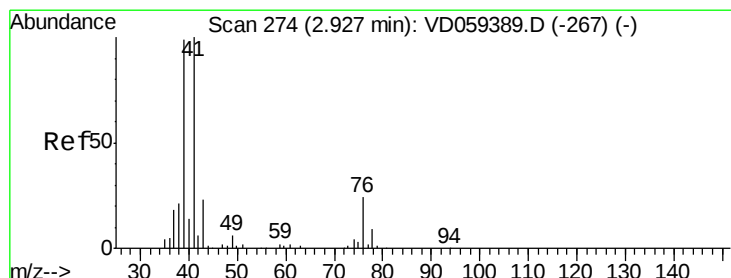
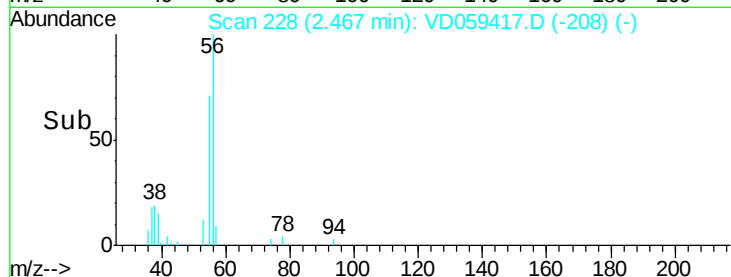
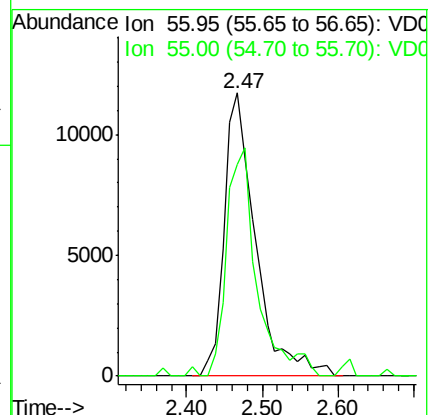
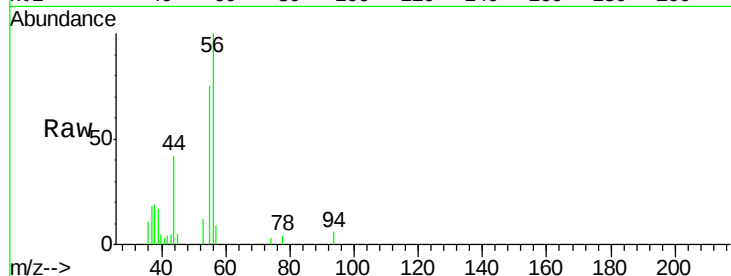
VD0626SBS01

Tot Ion: 56 Resp: 33770

Ion Ratio Lower Upper

56 100

55 74.6 54.6 82.0



#14

Allyl chloride

Concen: 24.21 ug/l

RT: 2.91 min Scan# 273

Delta R.T. -0.02 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

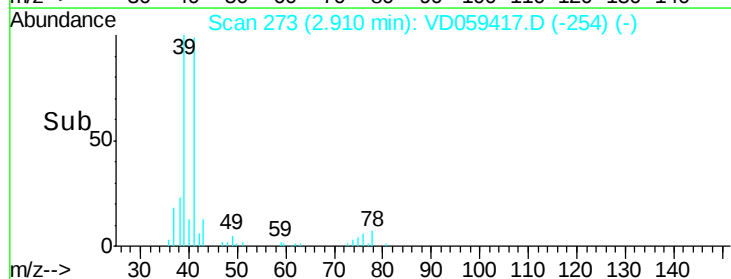
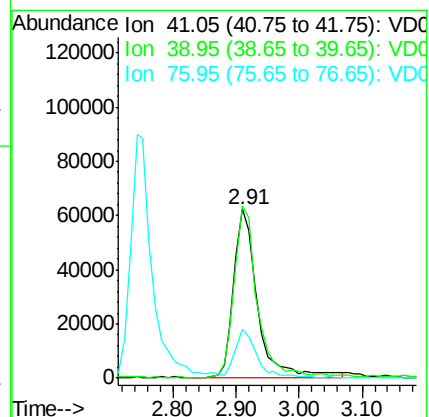
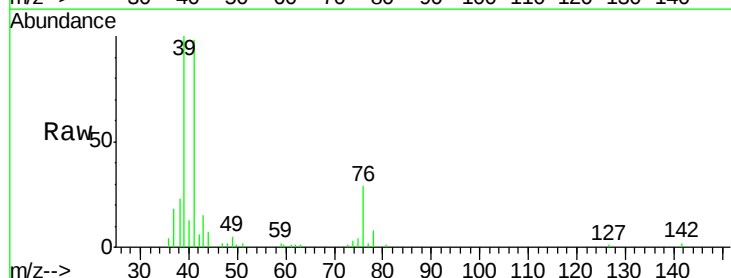
Tgt Ion: 41 Resp: 165307

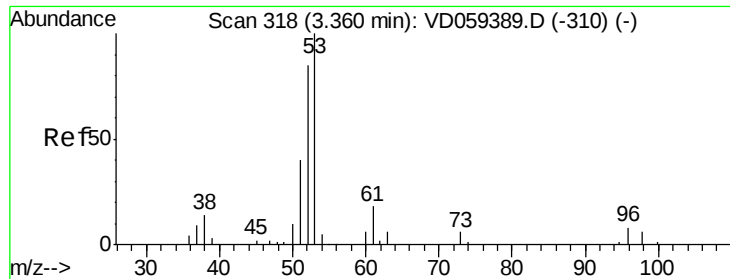
Ion Ratio Lower Upper

41 100

39 102.2 79.1 118.7

76 29.3 21.9 32.9





#15

Acrylonitrile

Concen: 109.12 ug/l

RT: 3.34 min Scan# 317

Delta R.T. -0.02 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

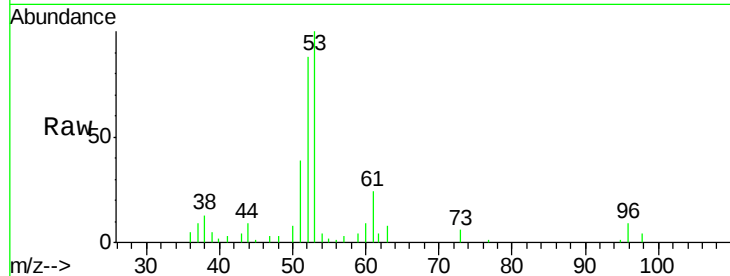
Tot Ion: 53 Resp: 107286

Ion Ratio Lower Upper

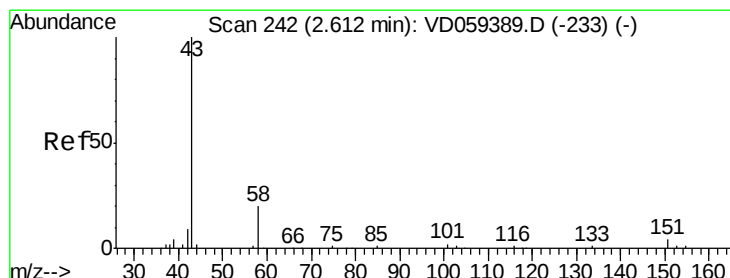
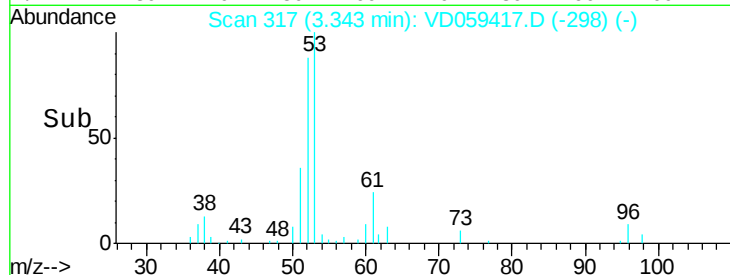
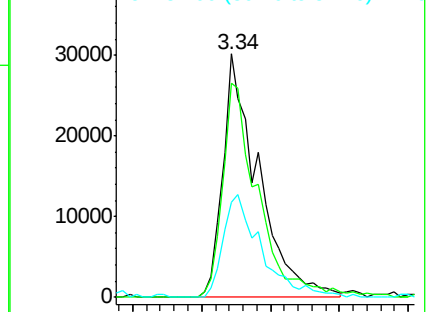
53 100

52 88.2 67.9 101.9

51 39.0 32.2 48.4



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 107.58 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD059417.D

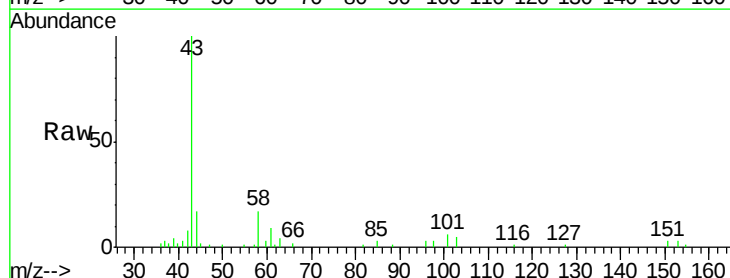
Acq: 26 Jun 2018 11:27

Tgt Ion: 43 Resp: 125733

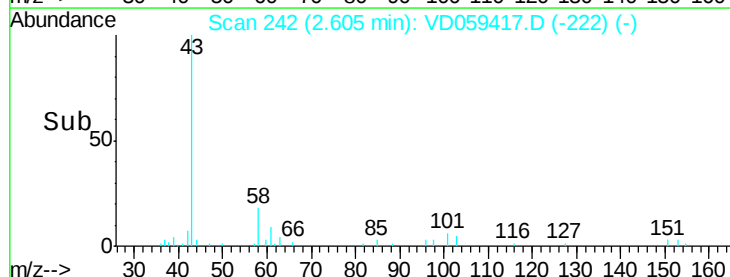
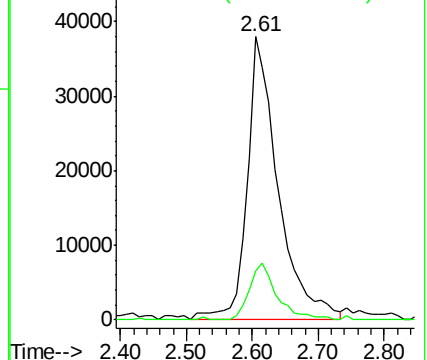
Ion Ratio Lower Upper

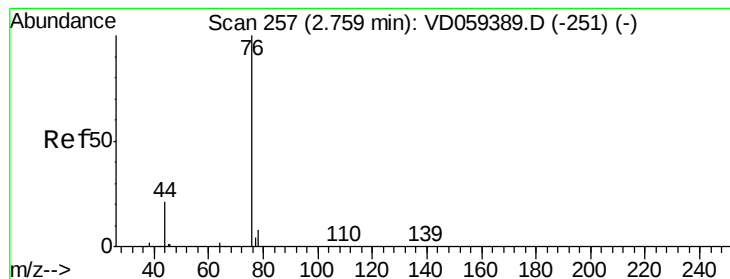
43 100

58 17.4 16.8 25.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 23.82 ug/l

RT: 2.74 min Scan# 256

Delta R.T. -0.02 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

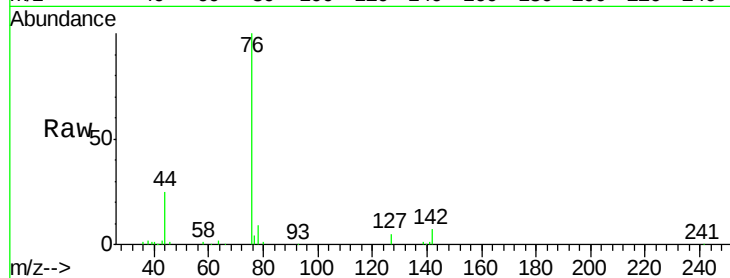
VD0626SBS01

Tot Ion: 76 Resp: 217682

Ion Ratio Lower Upper

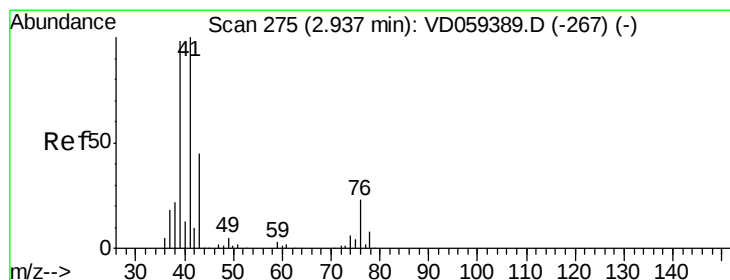
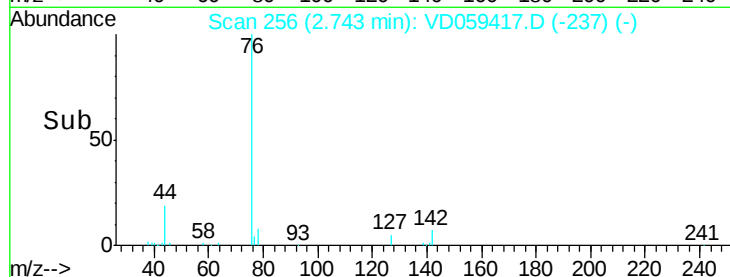
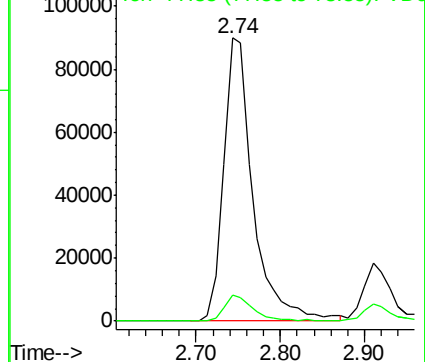
76 100

78 9.1 6.6 9.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 22.75 ug/l

RT: 2.94 min Scan# 276

Delta R.T. 0.00 min

Lab File: VD059417.D

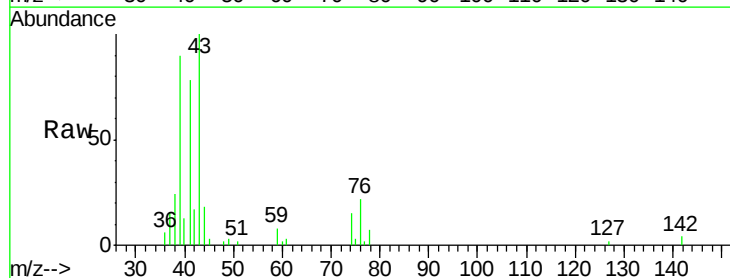
Acq: 26 Jun 2018 11:27

Tgt Ion: 43 Resp: 59783

Ion Ratio Lower Upper

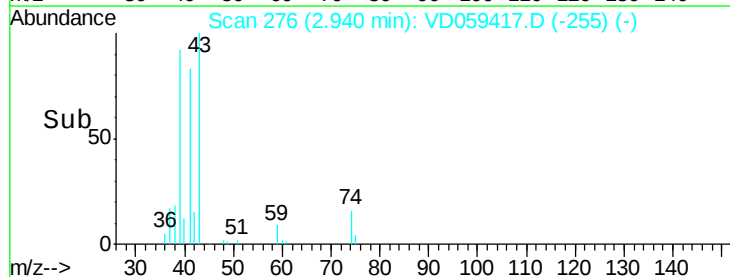
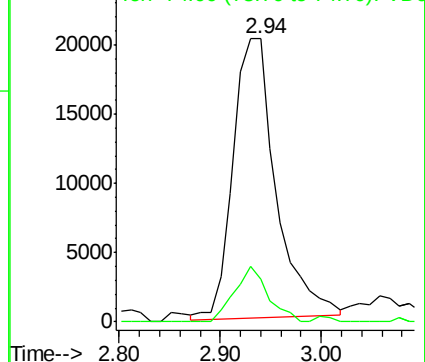
43 100

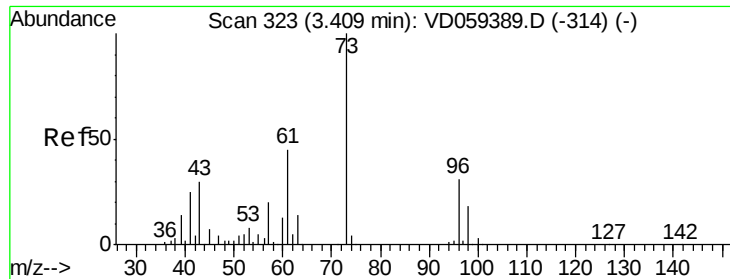
74 15.0 11.0 16.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

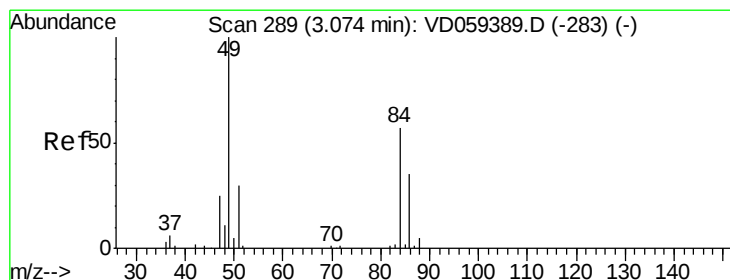
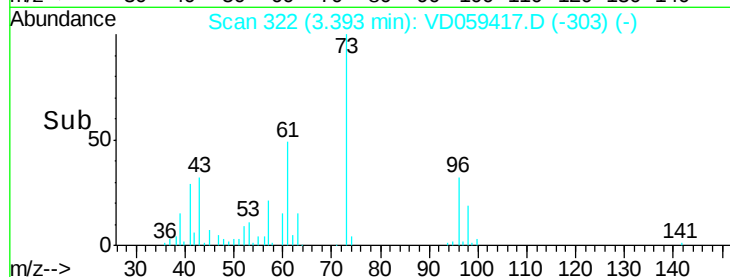
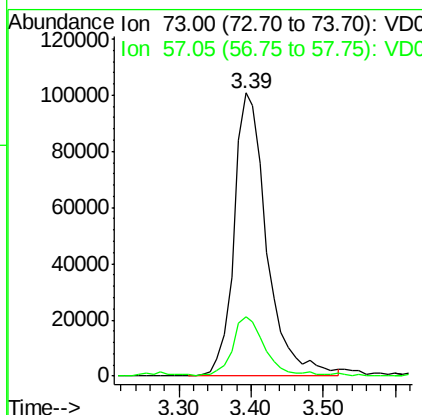
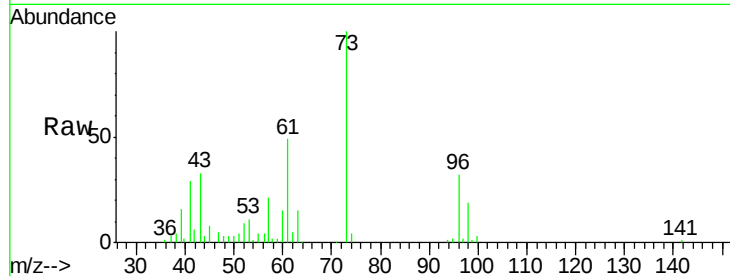




#19
Methvl tert-butvl Ether
Concen: 21.75 ug/l
RT: 3.39 min Scan# 322
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

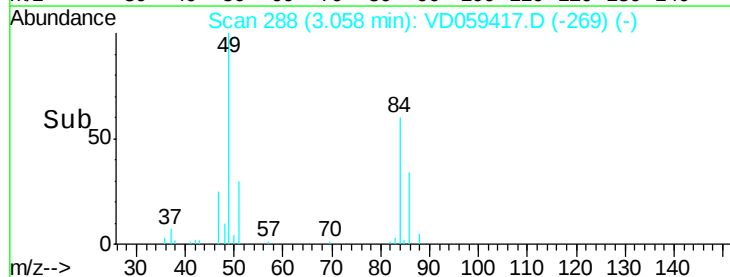
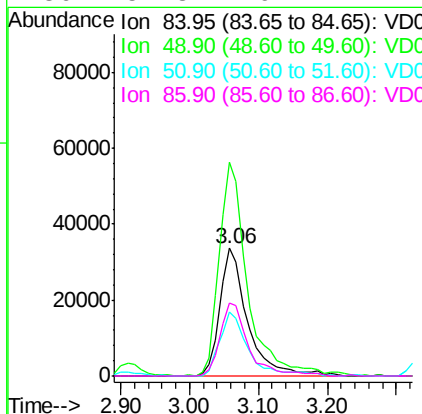
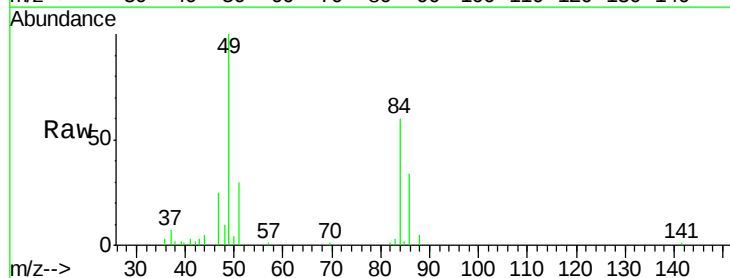
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBS01

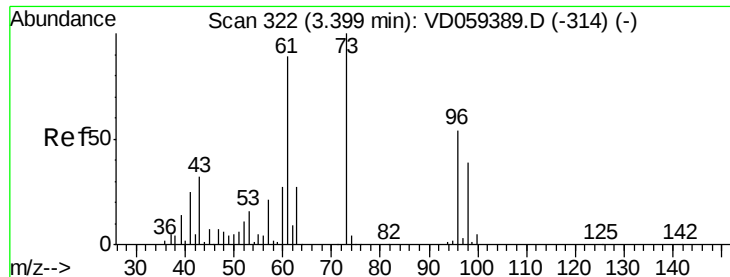
Tot Ion: 73 Resp: 319381
Ion Ratio Lower Upper
73 100
57 21.1 16.1 24.1



#20
Methylene Chloride
Concen: 27.82 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

Tgt Ion: 84 Resp: 93765
Ion Ratio Lower Upper
84 100
49 167.6 140.3 210.5
51 50.1 41.6 62.4
86 57.3 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 23.84 ug/l

RT: 3.38 min Scan# 321

Delta R.T. -0.02 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

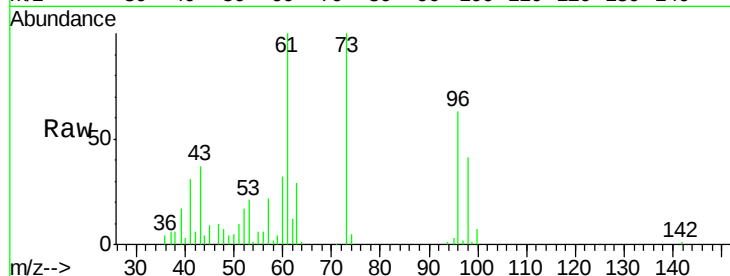
Tot Ion: 96 Resp: 125745

Ion Ratio Lower Upper

96 100

61 158.8 131.0 196.4

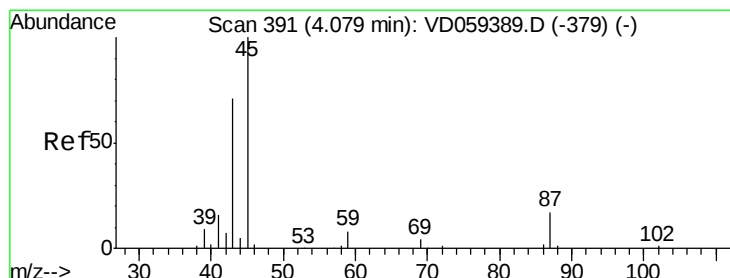
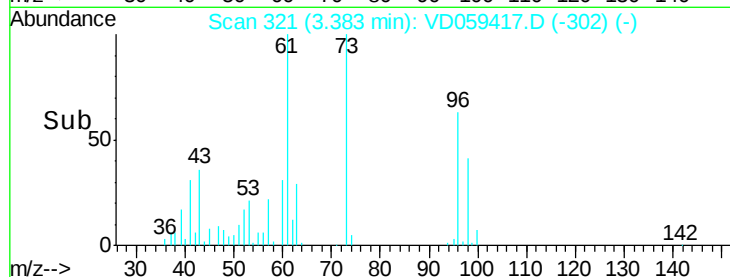
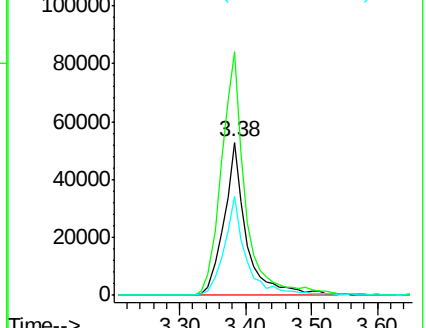
98 65.0 56.8 85.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 22.15 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.02 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Tgt Ion: 45 Resp: 569132

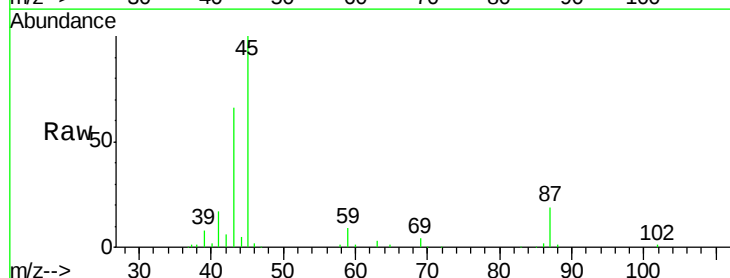
Ion Ratio Lower Upper

45 100

43 66.5 56.9 85.3

87 19.1 14.2 21.4

59 9.4 7.0 10.4

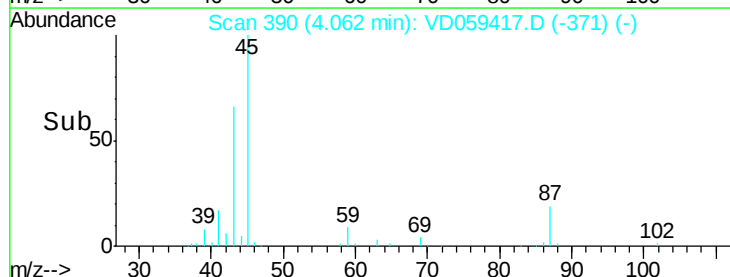
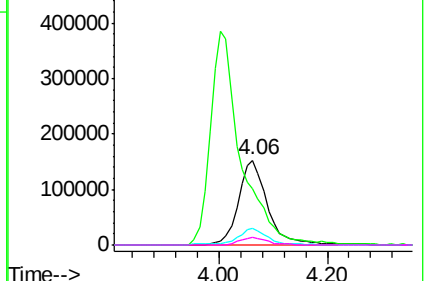


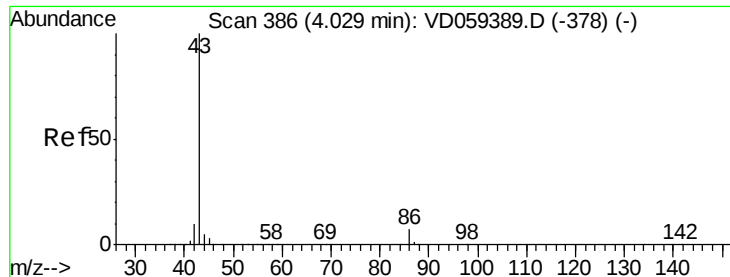
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 110.97 ug/l

RT: 4.00 min Scan# 384

Delta R.T. -0.03 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

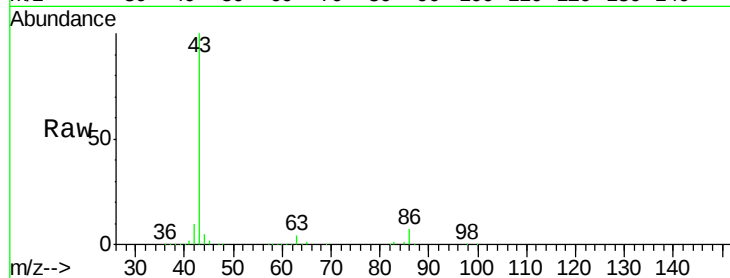
VD0626SBS01

Tot Ion: 43 Resp: 1485591

Ion Ratio Lower Upper

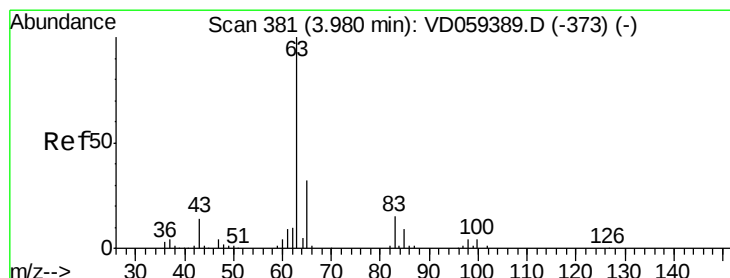
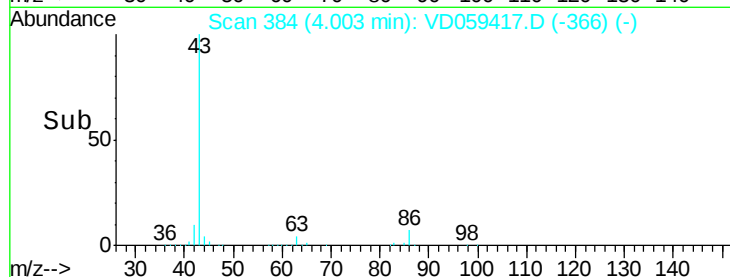
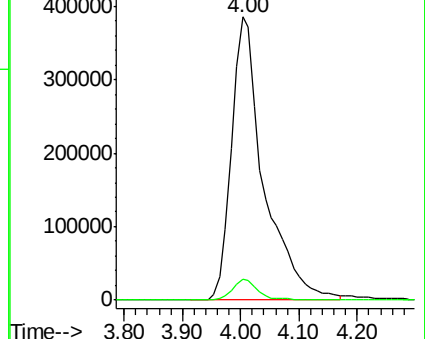
43 100

86 7.2 5.2 7.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 23.42 ug/l

RT: 3.96 min Scan# 380

Delta R.T. -0.02 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

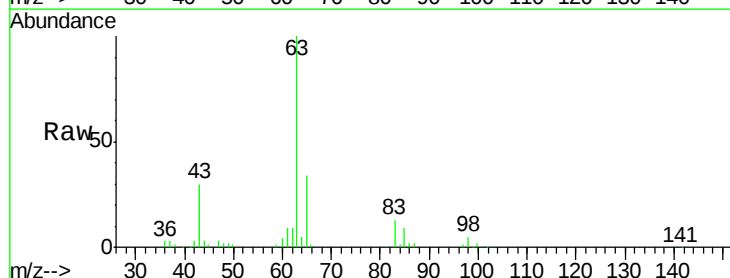
Tgt Ion: 63 Resp: 344351

Ion Ratio Lower Upper

63 100

98 5.0 2.1 6.5

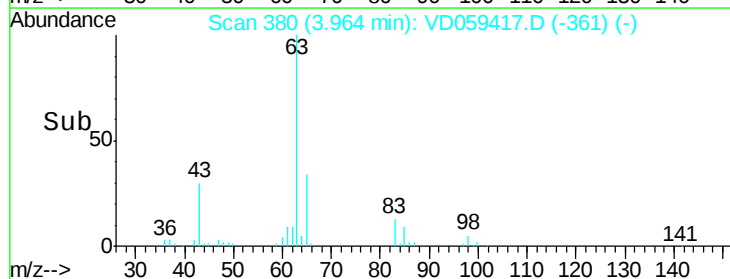
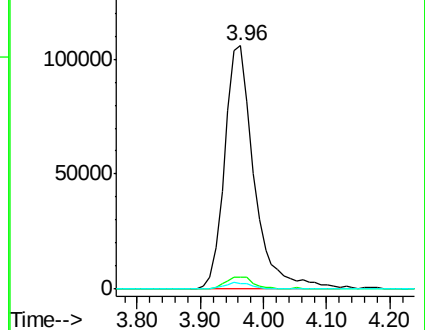
100 2.4 1.8 5.5

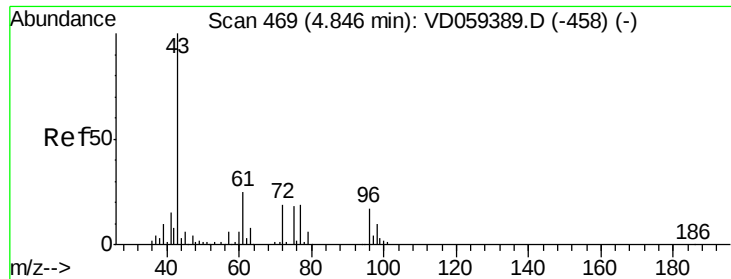


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

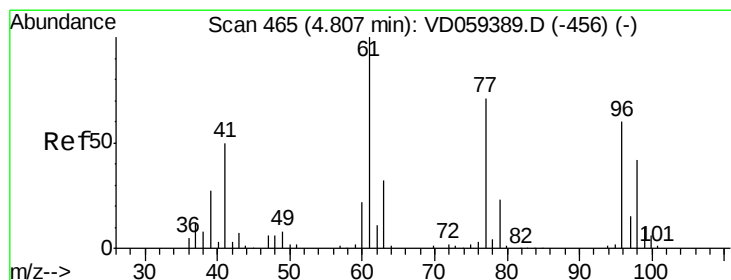
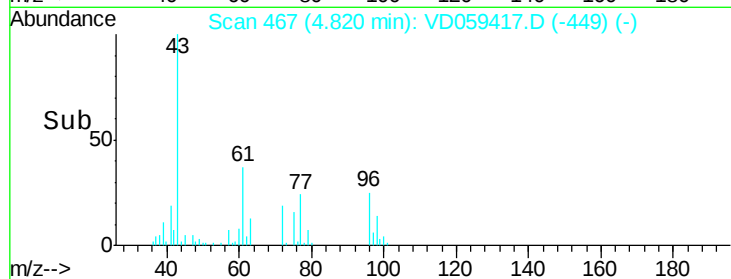
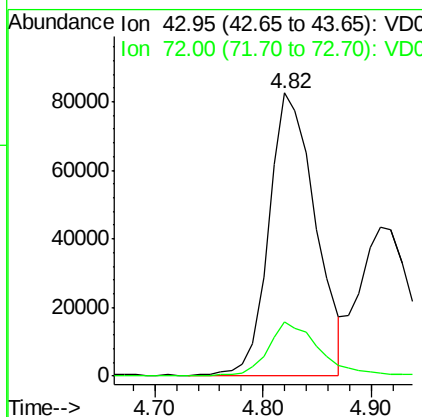
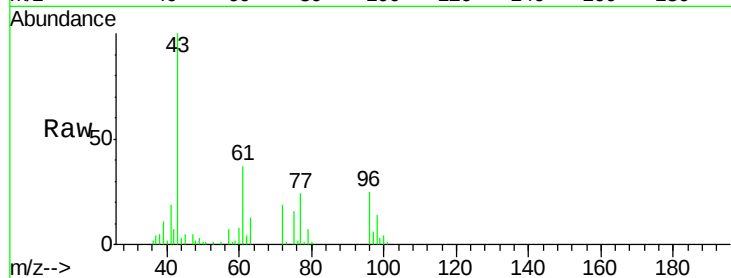




#25
2-Butanone
Concen: 101.76 ug/l
RT: 4.82 min Scan# 467
Delta R.T. -0.03 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

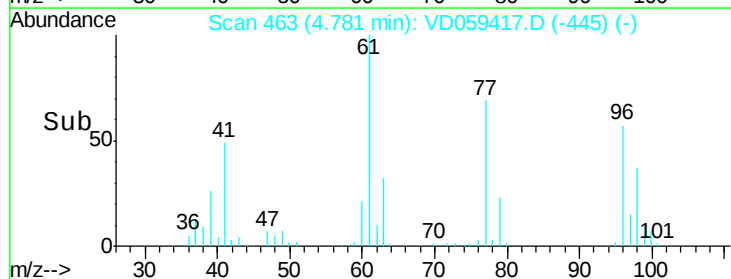
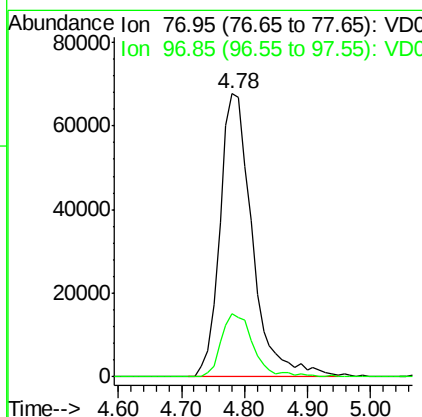
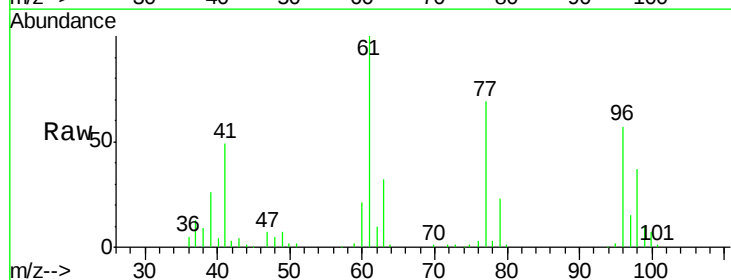
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBS01

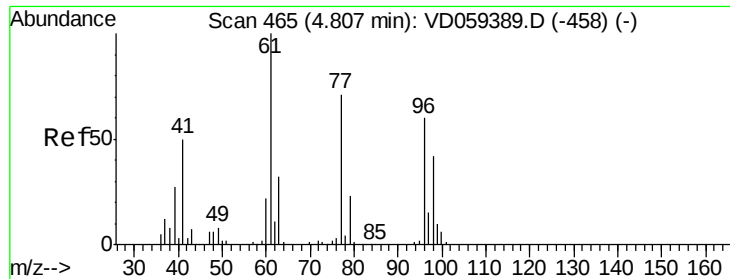
Tot Ion: 43 Resp: 249128
Ion Ratio Lower Upper
43 100
72 19.0 15.4 23.2



#26
2,2-Dichloropropane
Concen: 21.21 ug/l
RT: 4.78 min Scan# 463
Delta R.T. -0.03 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

Tgt Ion: 77 Resp: 241864
Ion Ratio Lower Upper
77 100
97 22.2 10.7 32.1





#27

cis-1,2-Dichloroethene

Concen: 21.79 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.02 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

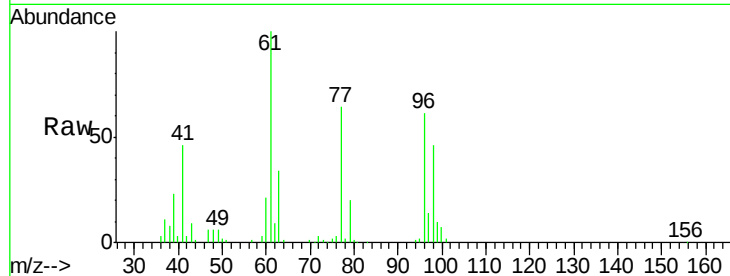
Tot Ion: 96 Resp: 193187

Ion Ratio Lower Upper

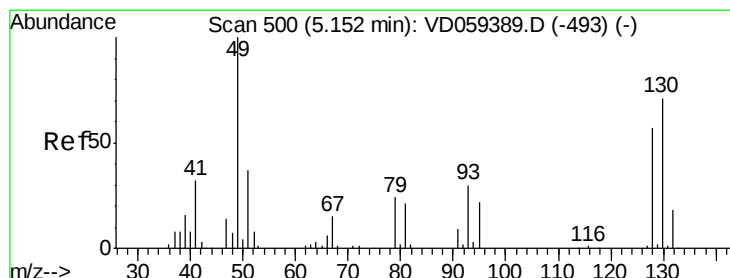
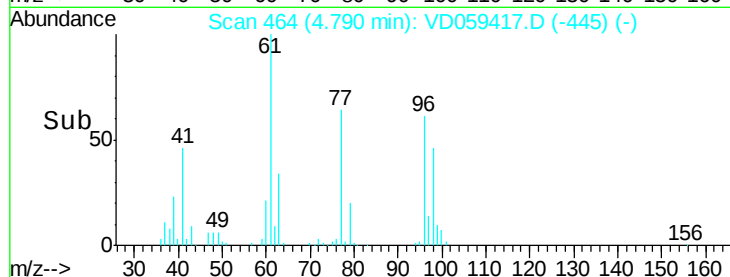
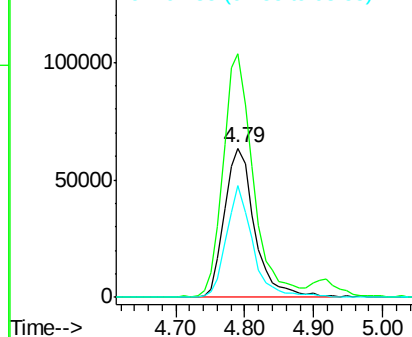
96 100

61 163.4 0.0 335.8

98 74.7 0.0 141.0



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 23.16 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.03 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

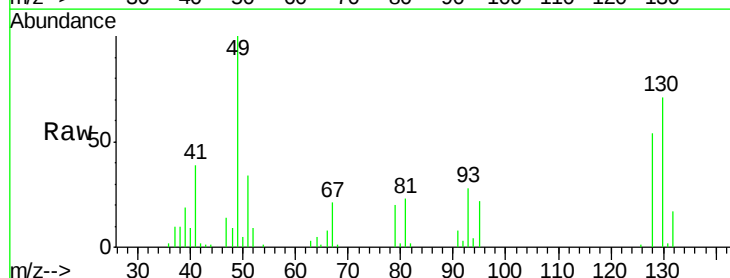
Tgt Ion: 49 Resp: 147627

Ion Ratio Lower Upper

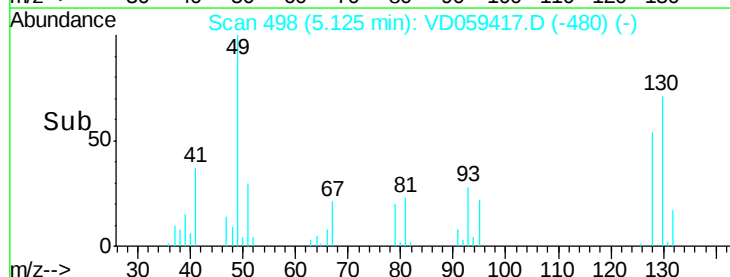
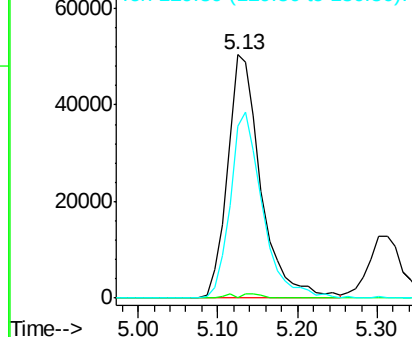
49 100

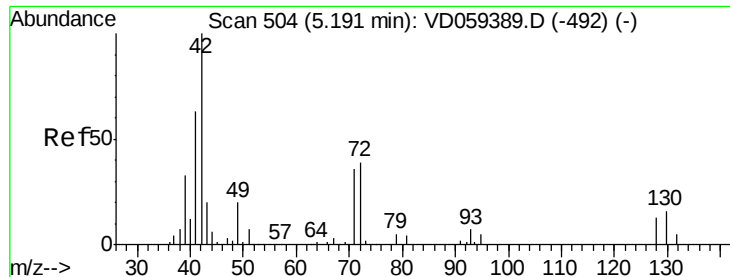
129 0.0 0.0 4.4

130 70.9 57.0 85.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

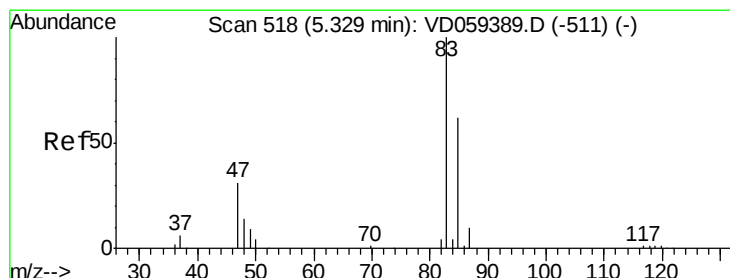
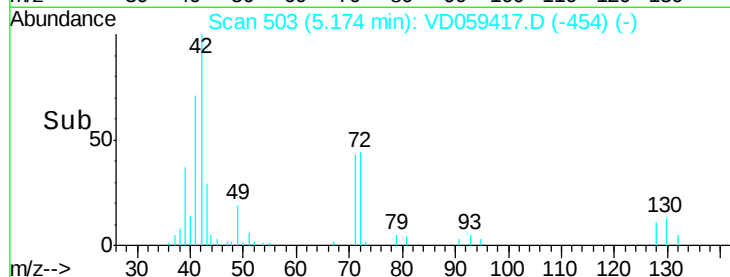
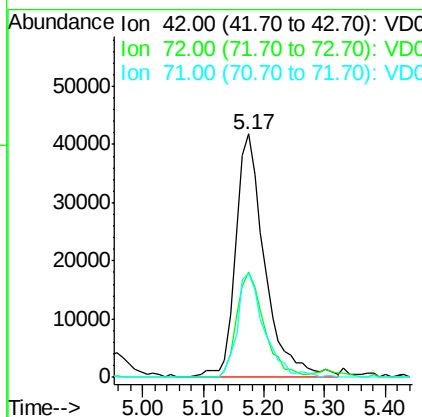
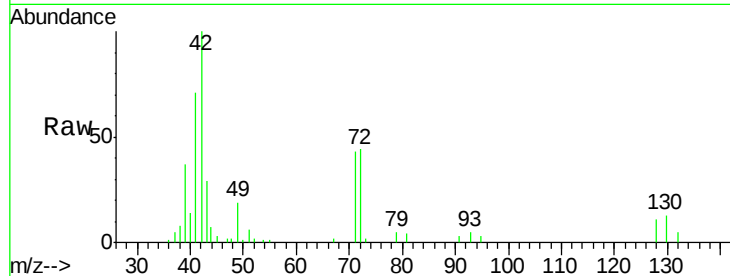




#29
Tetrahydrofuran
Concen: 104.79 ug/l
RT: 5.17 min Scan# 503
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

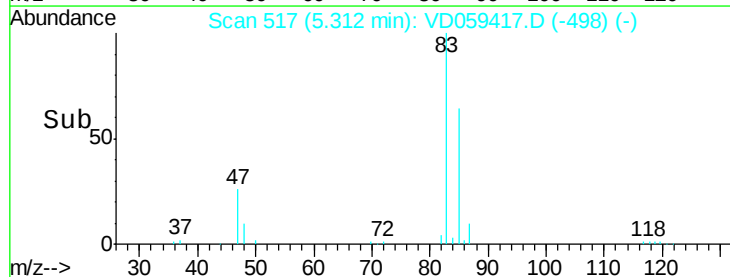
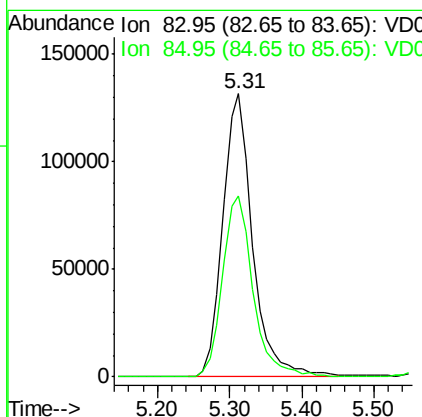
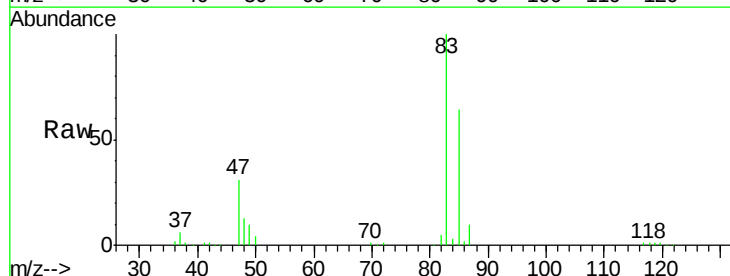
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBS01

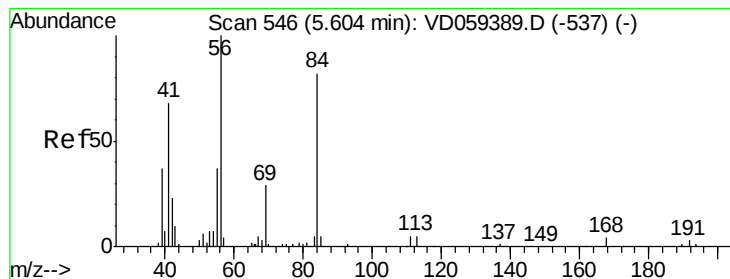
Tot Ion: 42 Resp: 140331
Ion Ratio Lower Upper
42 100
72 40.6 31.4 47.2
71 38.3 29.7 44.5



#30
Chloroform
Concen: 23.52 ug/l
RT: 5.31 min Scan# 517
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

Tgt Ion: 83 Resp: 376889
Ion Ratio Lower Upper
83 100
85 64.1 49.3 73.9





#31

Cyclohexane

Concen: 22.92 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.03 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

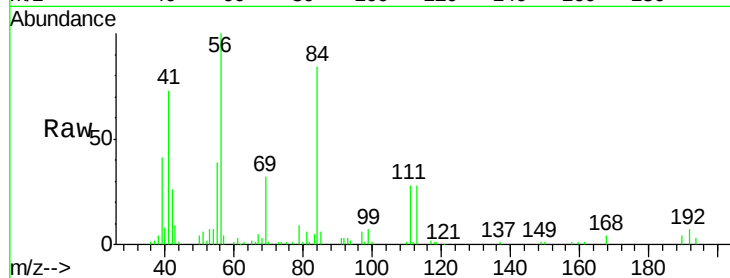
Tot Ion: 56 Resp: 242862

Ion Ratio Lower Upper

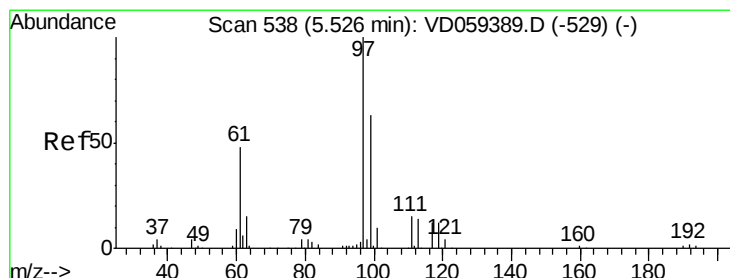
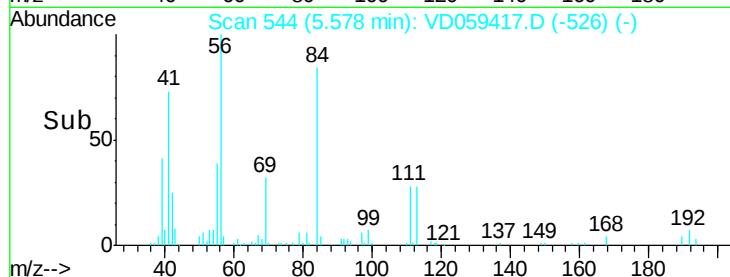
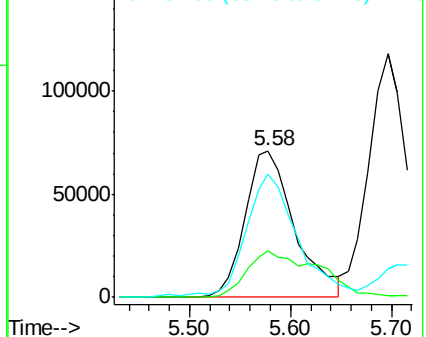
56 100

69 32.0 22.9 34.3

84 83.9 67.3 100.9



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 23.85 ug/l

RT: 5.50 min Scan# 536

Delta R.T. -0.03 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

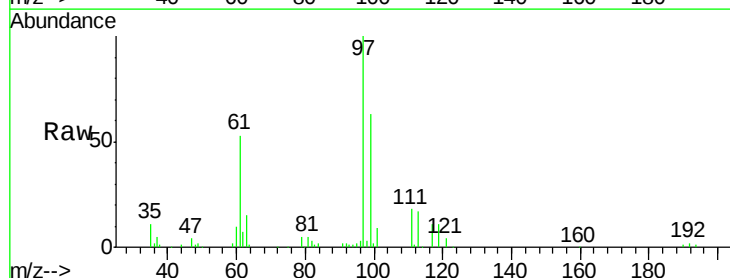
Tgt Ion: 97 Resp: 309539

Ion Ratio Lower Upper

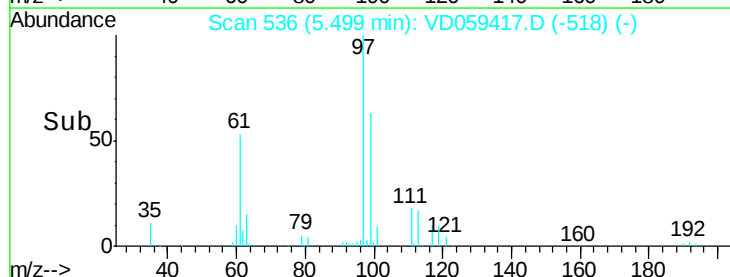
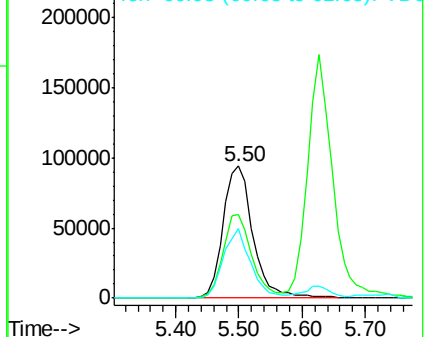
97 100

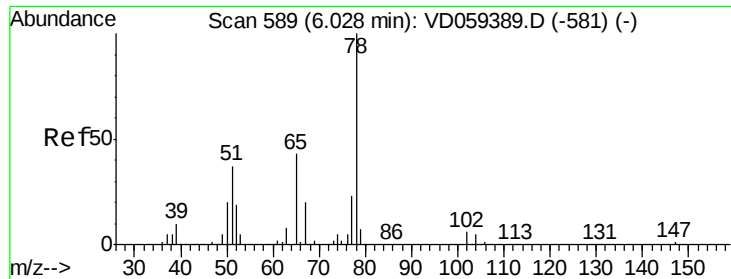
99 63.3 50.2 75.4

61 52.7 38.6 57.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

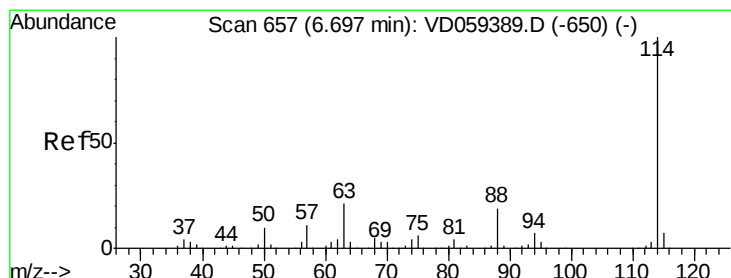
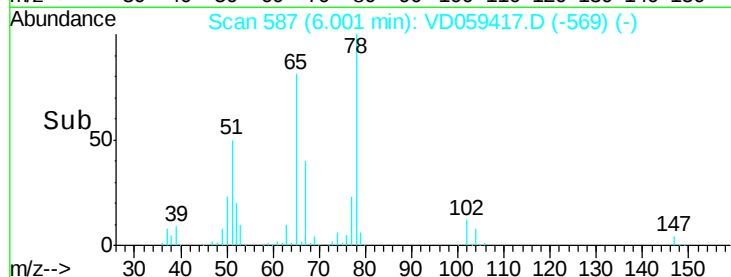
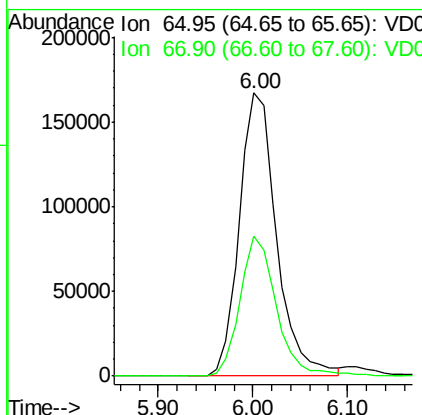
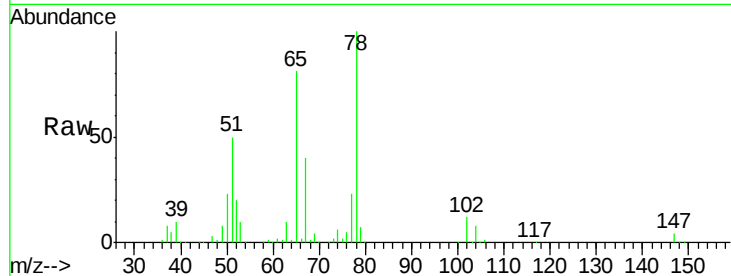




#33
 1,2-Dichloroethane-d4
 Concen: 23.85 ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. -0.03 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

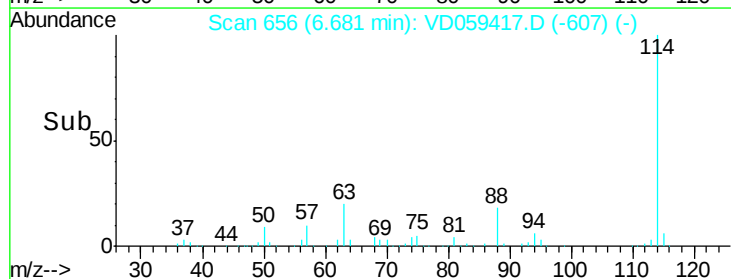
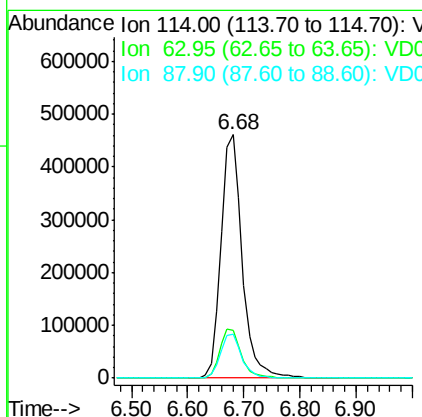
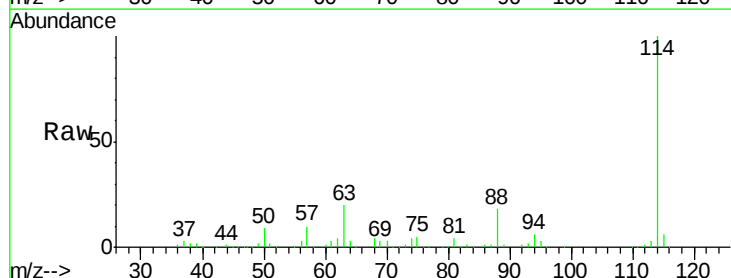
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

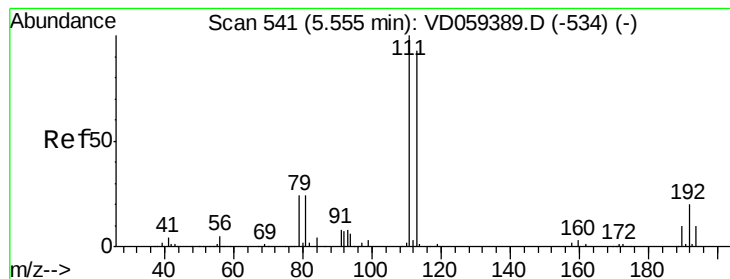
Tot Ion: 65 Resp: 455606
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 93.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

Tgt Ion: 114 Resp: 1213882
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 42.4
 88 18.1 0.0 38.0





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

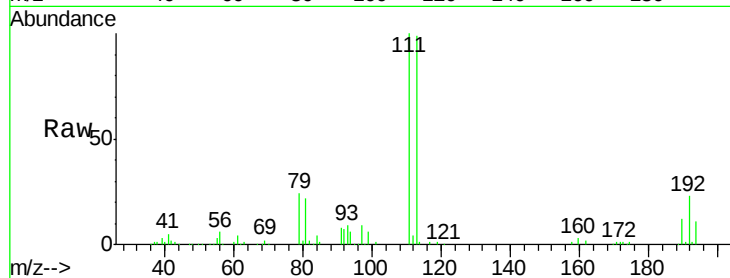
Tot Ion:113 Resp: 472088

Ion Ratio Lower Upper

113 100

111 100.8 85.7 128.5

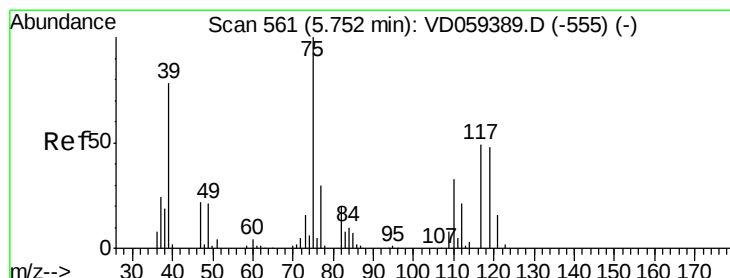
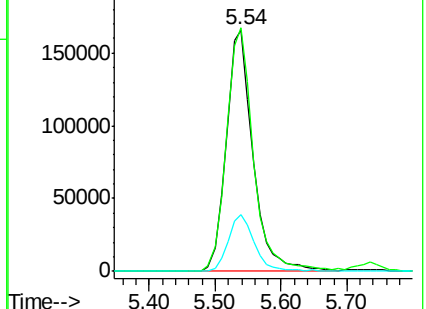
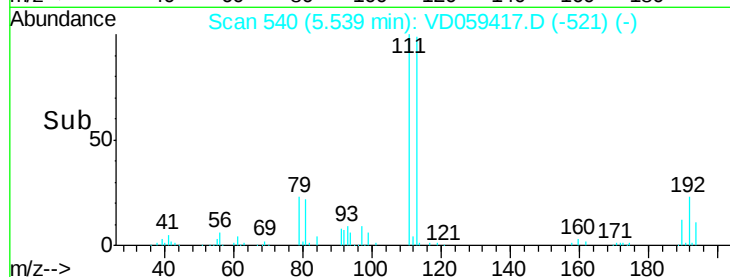
192 23.4 16.9 25.3



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 22.71 ug/l

RT: 5.73 min Scan# 559

Delta R.T. -0.03 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

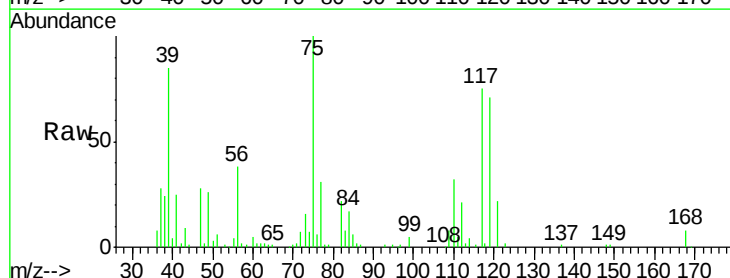
Tgt Ion: 75 Resp: 250038

Ion Ratio Lower Upper

75 100

110 32.2 16.1 48.2

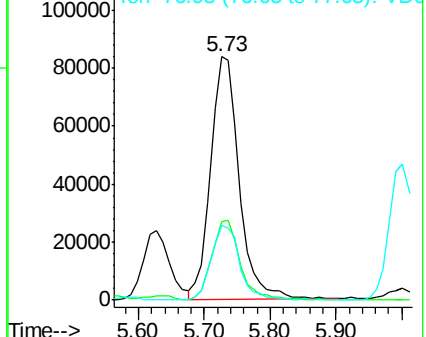
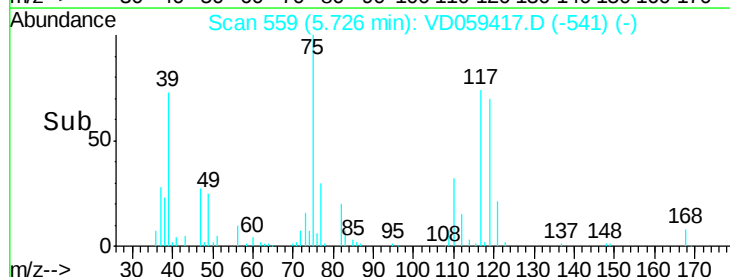
77 30.6 23.4 35.2

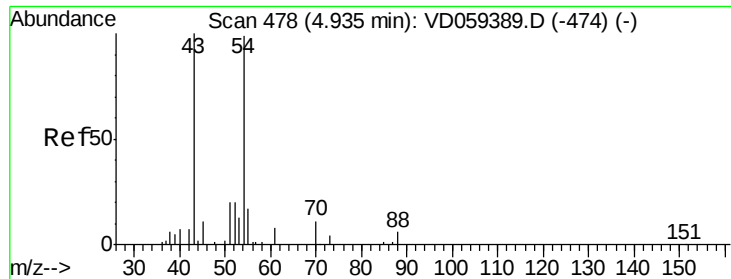


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

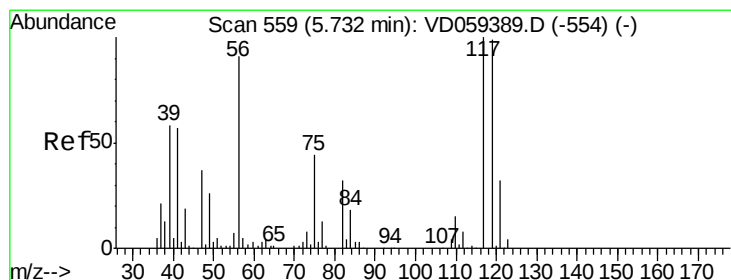
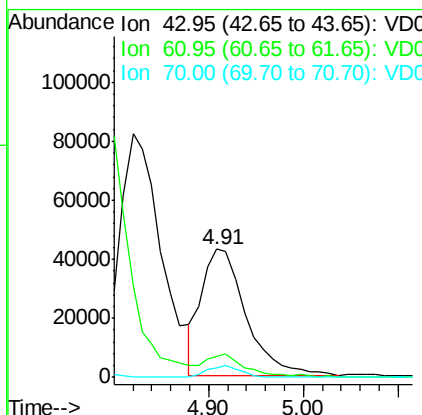
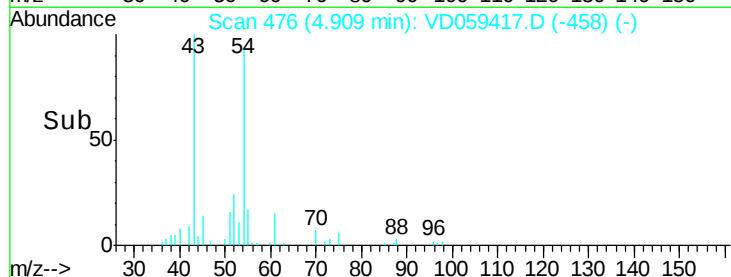
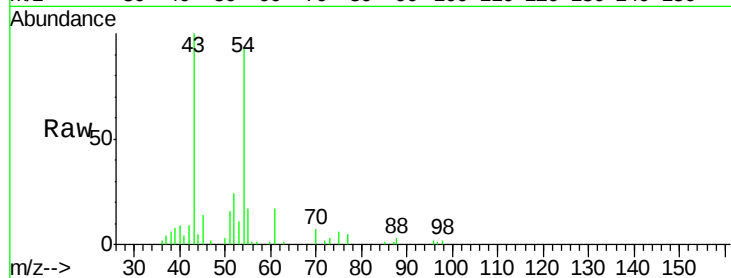




#37
Ethyl Acetate
Concen: 20.87 ug/l
RT: 4.91 min Scan# 476
Delta R.T. -0.03 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

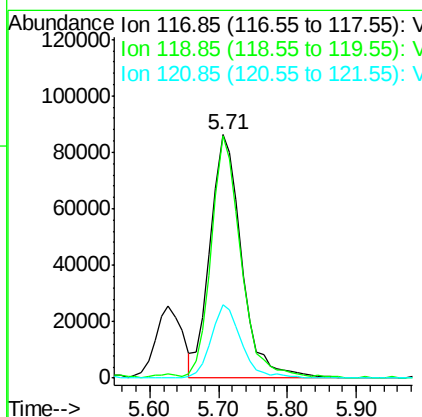
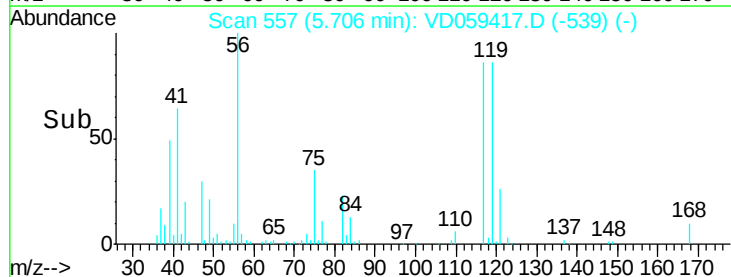
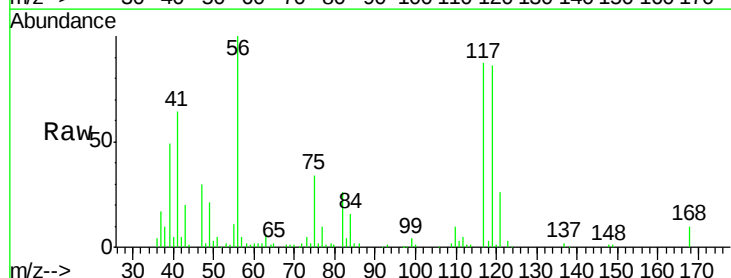
Instrument :
MSVOA_D
ClientSampleID :
VD0626SBS01

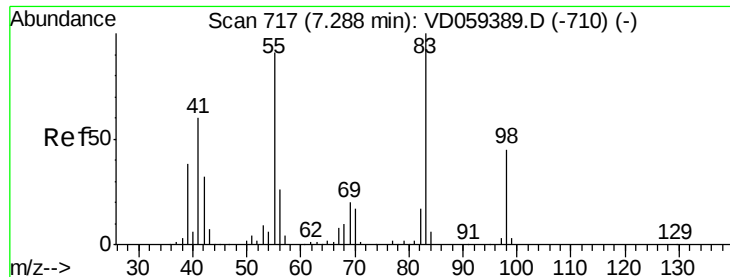
Tot Ion: 43 Resp: 139959
Ion Ratio Lower Upper
43 100
61 16.6 11.8 17.8
70 7.2 6.1 9.1



#38
Carbon Tetrachloride
Concen: 23.76 ug/l
RT: 5.71 min Scan# 557
Delta R.T. -0.03 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

Tgt Ion: 117 Resp: 269765
Ion Ratio Lower Upper
117 100
119 99.5 76.6 115.0
121 30.0 25.0 37.4

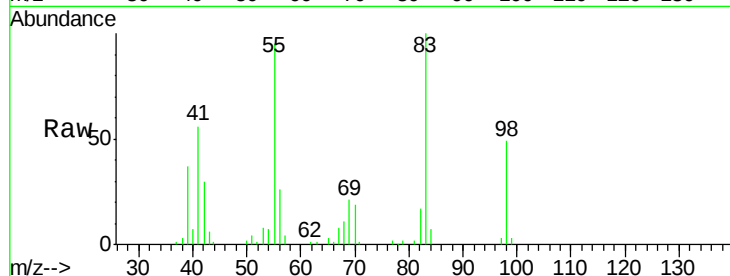




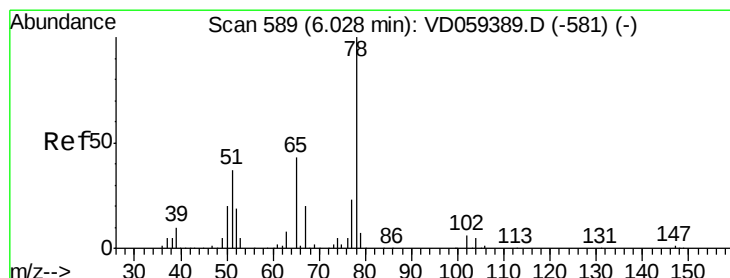
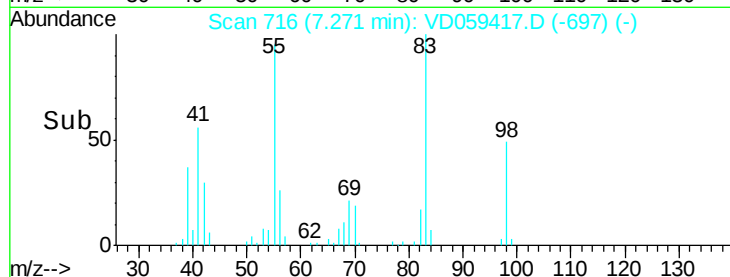
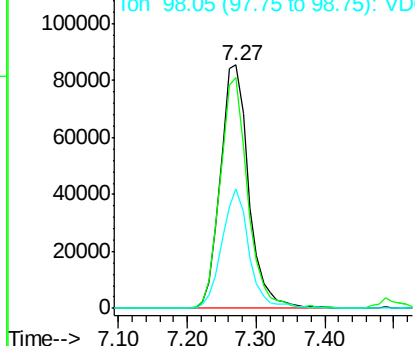
#39
Methylcyclohexane
Concen: 23.41 ug/l
RT: 7.27 min Scan# 716
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0626SBS01

Tot Ion: 83 Resp: 244515
Ion Ratio Lower Upper
83 100
55 94.8 72.6 109.0
98 48.9 35.8 53.6

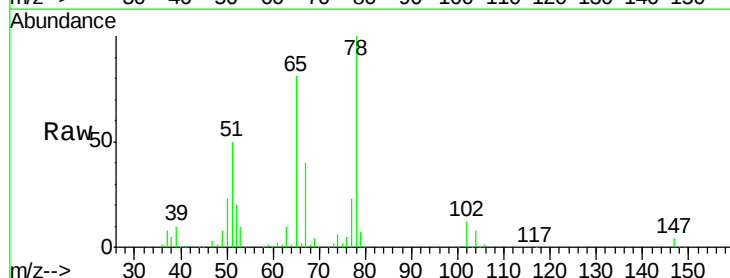


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

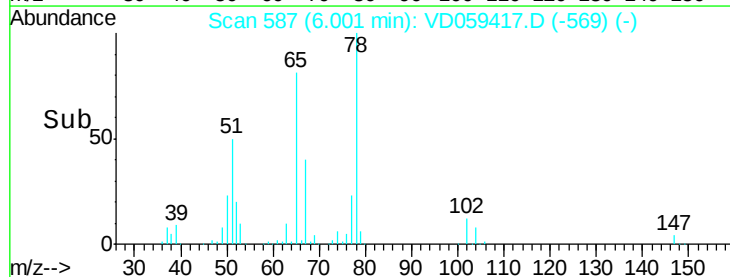
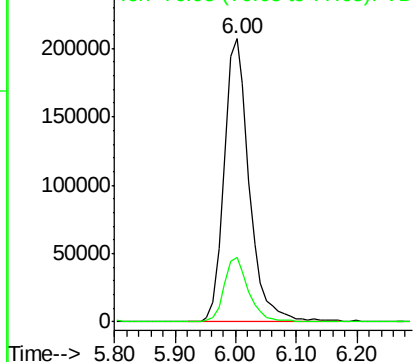


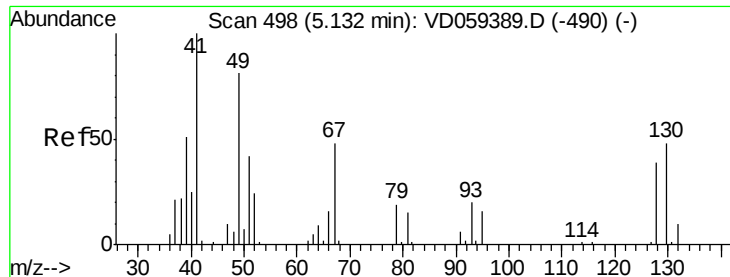
#40
Benzene
Concen: 22.52 ug/l
RT: 6.00 min Scan# 587
Delta R.T. -0.03 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

Tgt Ion: 78 Resp: 595216
Ion Ratio Lower Upper
78 100
77 22.8 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 22.79 ug/l

RT: 5.12 min Scan# 497

Delta R.T. -0.02 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

Tot Ion: 41 Resp: 73602

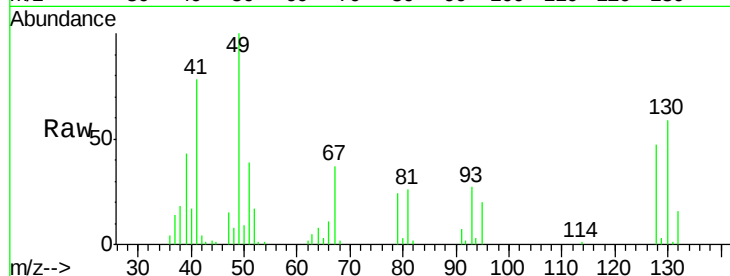
Ion Ratio Lower Upper

41 100

39 55.1 41.5 62.3

67 47.2 38.7 58.1

52 22.5 19.4 29.2

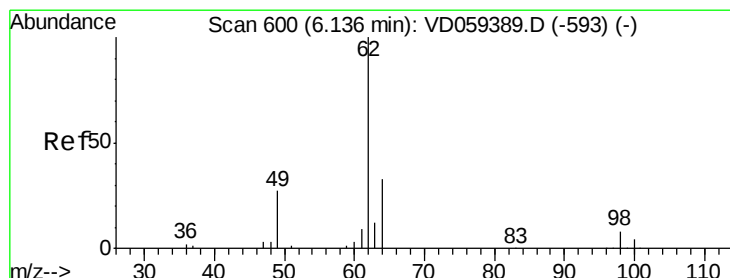
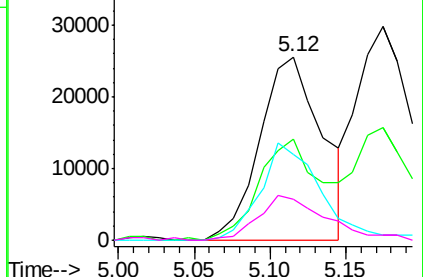
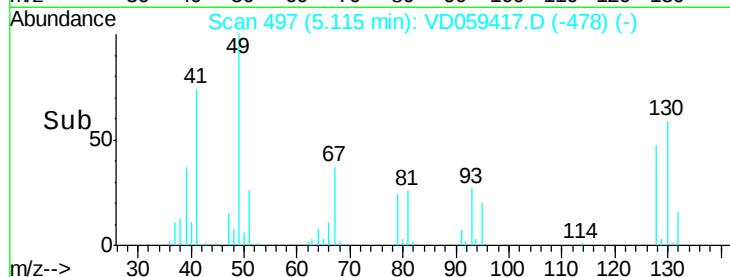


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.96 ug/l

RT: 6.11 min Scan# 598

Delta R.T. -0.03 min

Lab File: VD059417.D

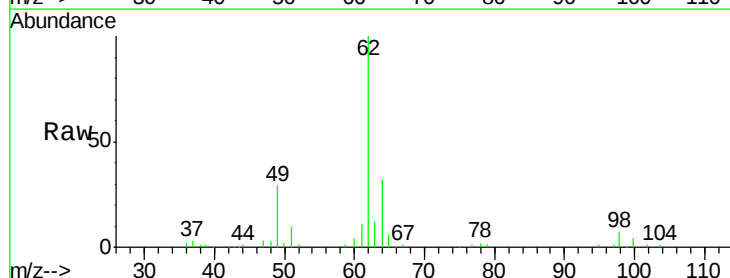
Acq: 26 Jun 2018 11:27

Tgt Ion: 62 Resp: 256415

Ion Ratio Lower Upper

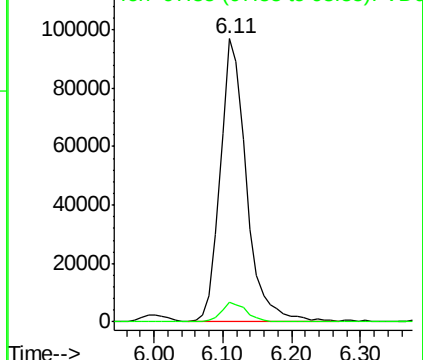
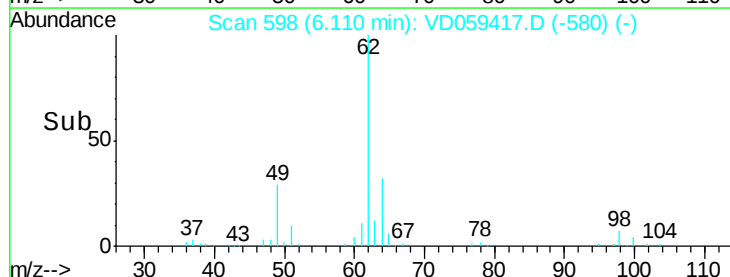
62 100

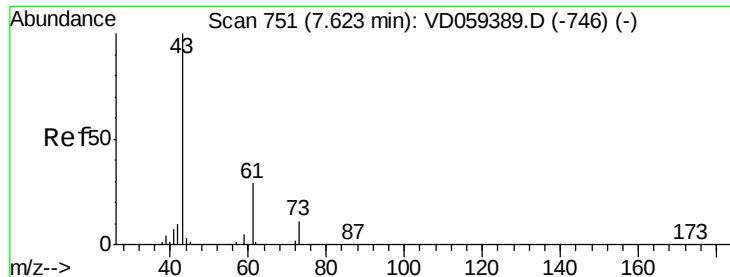
98 7.1 0.0 15.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 21.64 ug/l

RT: 7.61 min Scan# 750

Delta R.T. -0.02 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

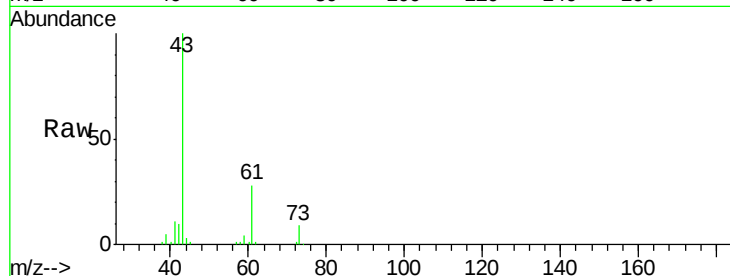
Tot Ion: 43 Resp: 182260

Ion Ratio Lower Upper

43 100

61 27.7 23.1 34.7

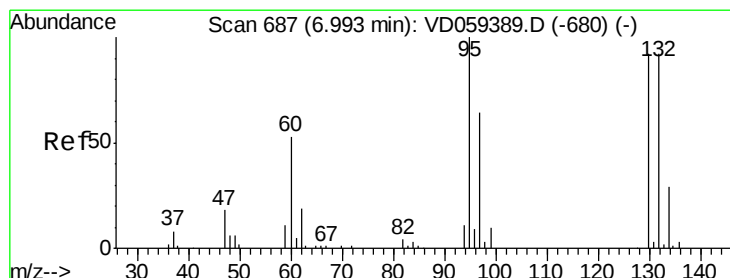
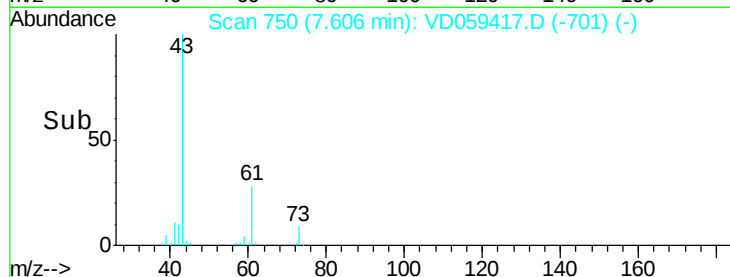
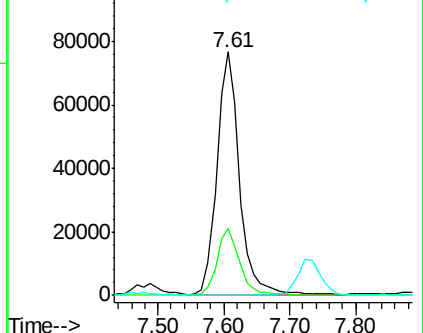
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 22.33 ug/l

RT: 6.97 min Scan# 685

Delta R.T. -0.03 min

Lab File: VD059417.D

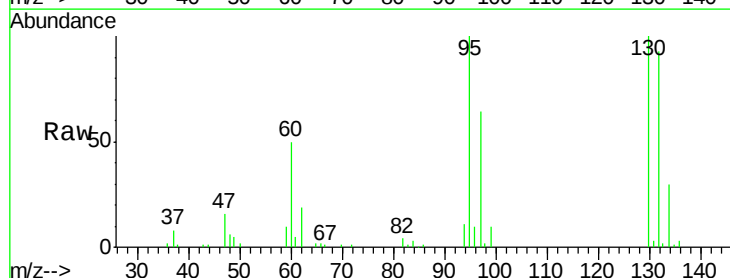
Acq: 26 Jun 2018 11:27

Tgt Ion:130 Resp: 193185

Ion Ratio Lower Upper

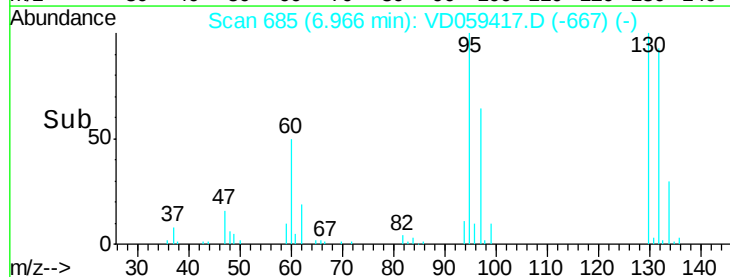
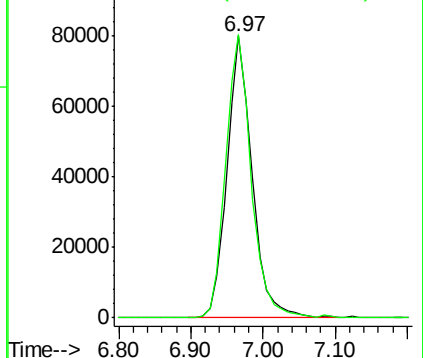
130 100

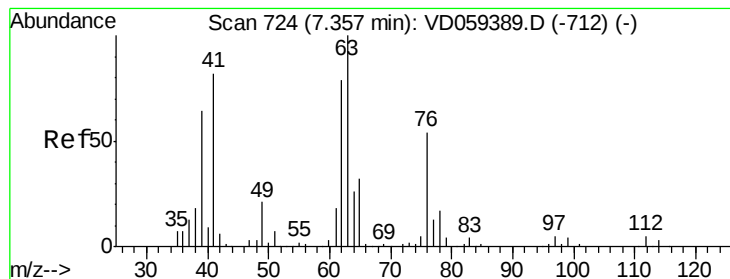
95 100.4 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.02 ug/l

RT: 7.33 min Scan# 722

Delta R.T. -0.03 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

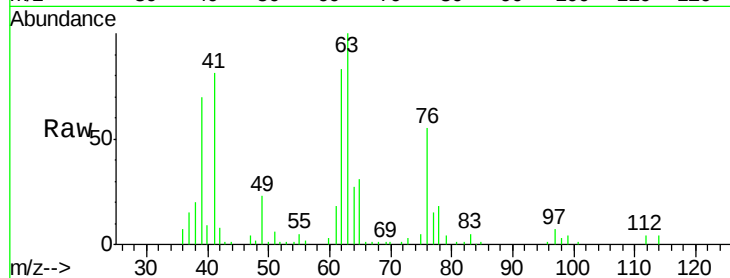
VD0626SBS01

Tot Ion: 63 Resp: 161125

Ion Ratio Lower Upper

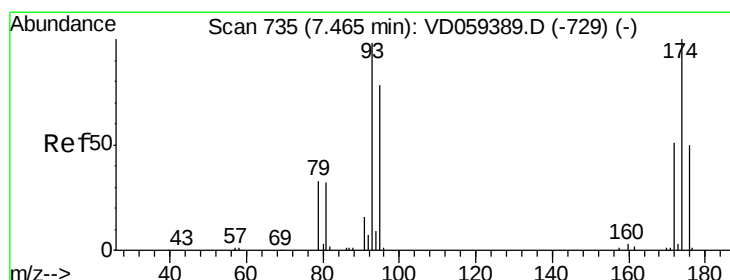
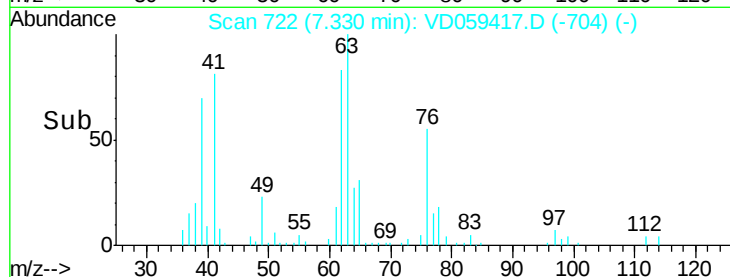
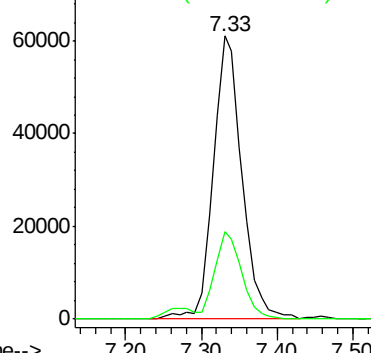
63 100

65 31.1 25.7 38.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.50 ug/l

RT: 7.45 min Scan# 734

Delta R.T. -0.02 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

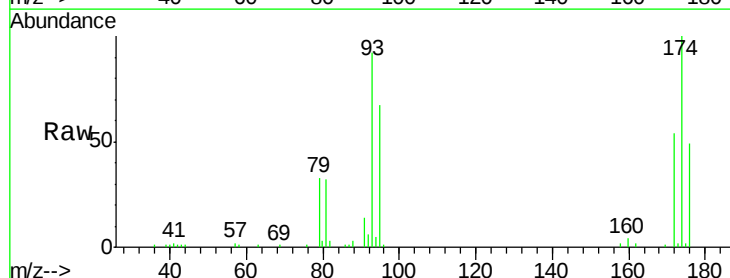
Tgt Ion: 93 Resp: 118428

Ion Ratio Lower Upper

93 100

95 72.4 63.4 95.0

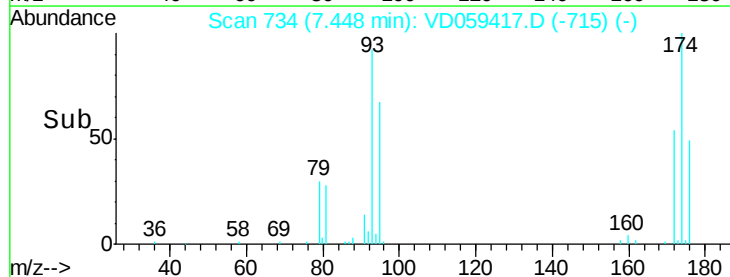
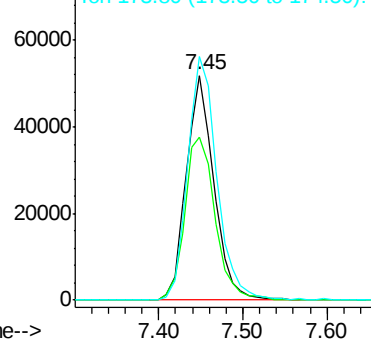
174 108.3 81.4 122.2

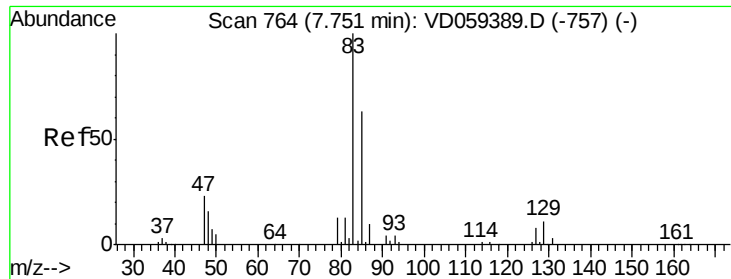


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.91 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

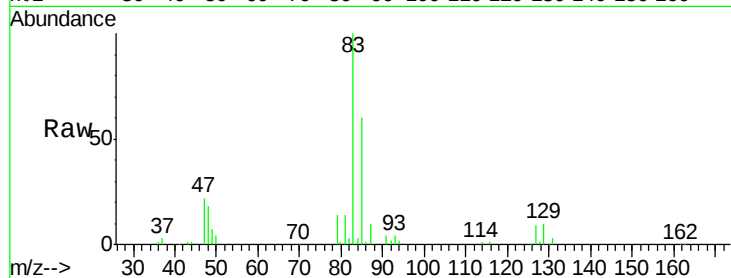
Tot Ion: 83 Resp: 269819

Ion Ratio Lower Upper

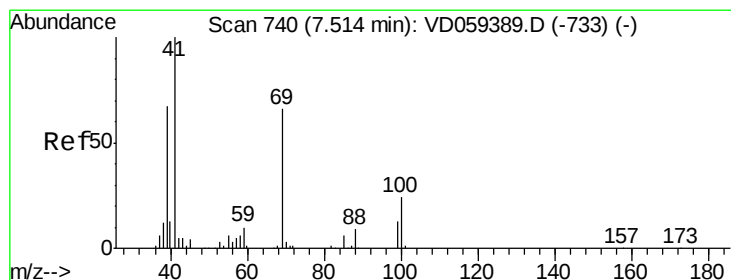
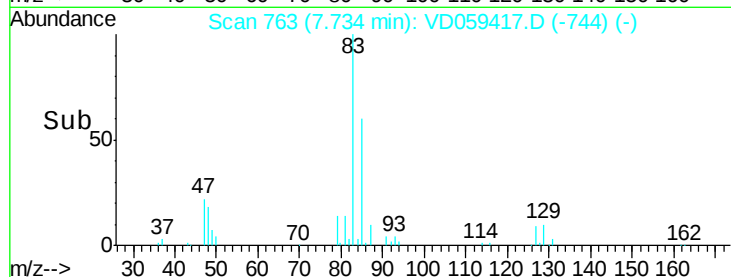
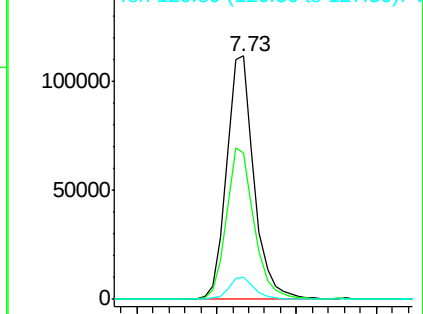
83 100

85 60.0 50.1 75.1

127 9.3 6.1 9.1#



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.96 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.03 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

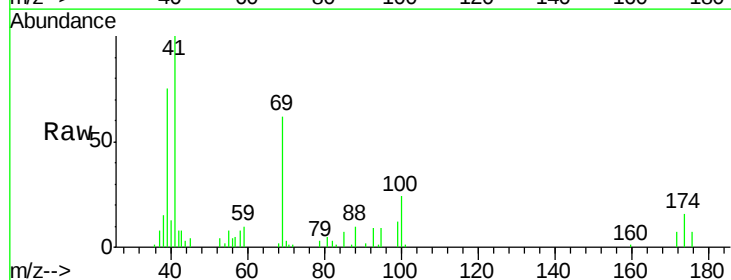
Tgt Ion: 41 Resp: 107526

Ion Ratio Lower Upper

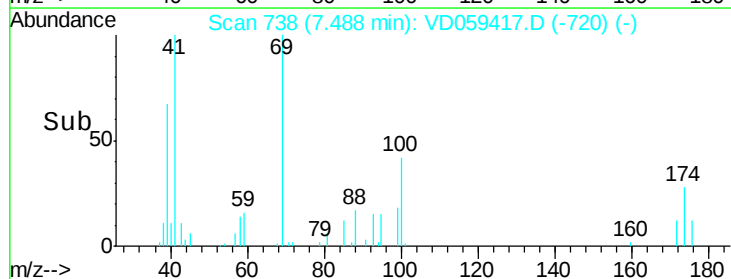
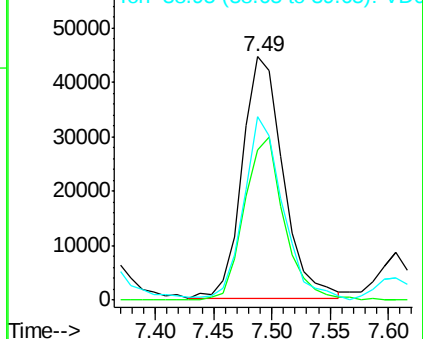
41 100

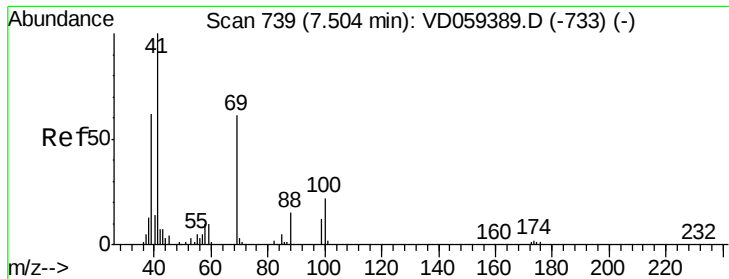
69 61.8 52.6 79.0

39 75.2 53.6 80.4



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 414.47 ug/l

RT: 7.47 min Scan# 736

Delta R.T. -0.04 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

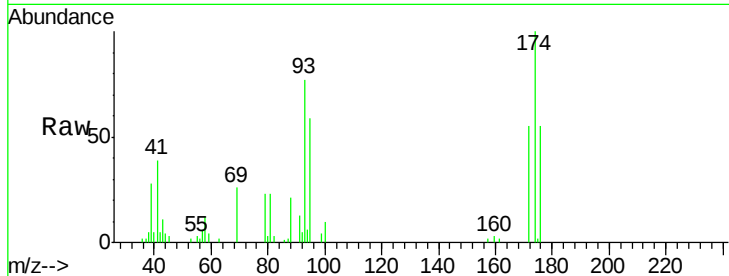
Tot Ion: 88 Resp: 21327

Ion Ratio Lower Upper

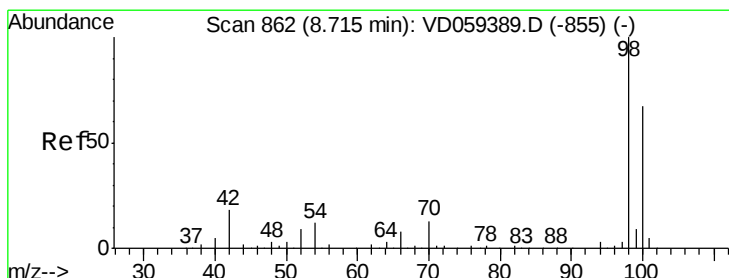
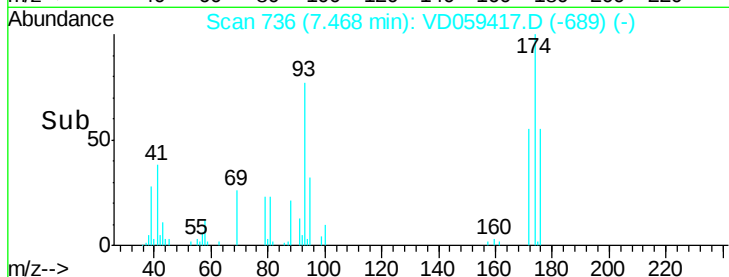
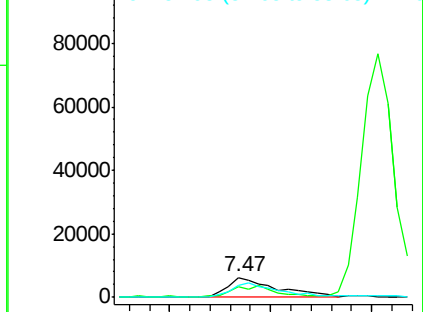
88 100

43 51.3 41.0 61.4

58 59.6 53.4 80.0



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 414.47 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.02 min

Lab File: VD059417.D

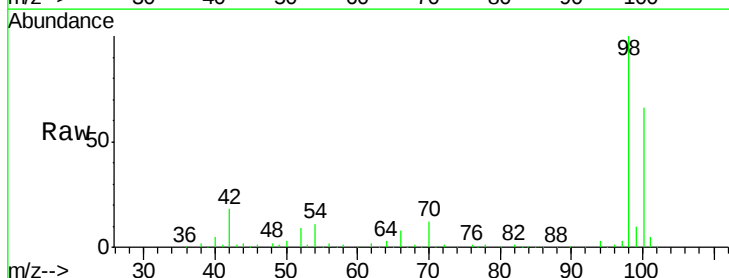
Acq: 26 Jun 2018 11:27

Tgt Ion: 98 Resp: 1069587

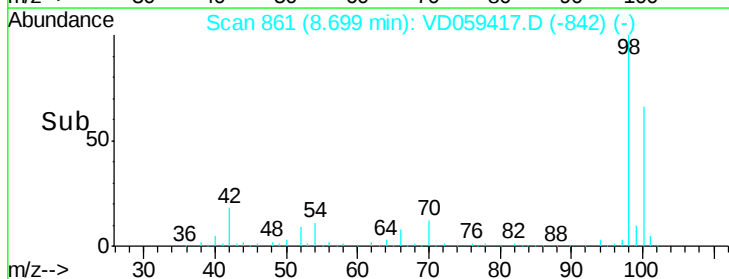
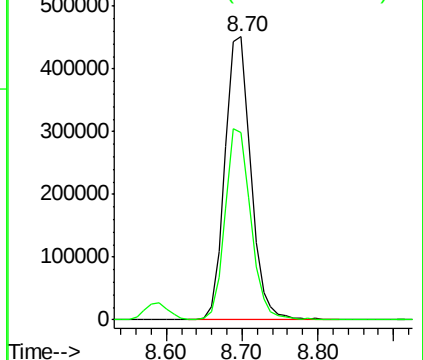
Ion Ratio Lower Upper

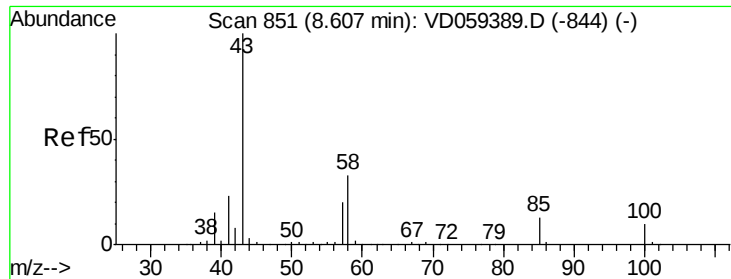
98 100

100 66.3 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 106.68 ug/l

RT: 8.58 min Scan# 849

Delta R.T. -0.03 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

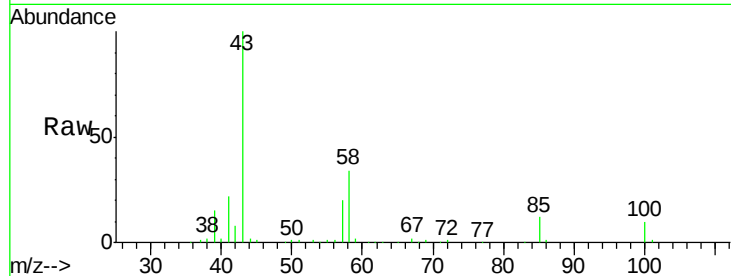
VD0626SBS01

Tot Ion: 43 Resp: 598696

Ion Ratio Lower Upper

43 100

58 34.0 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.58

250000

200000

150000

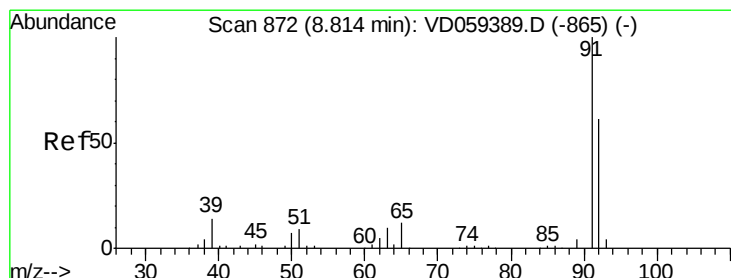
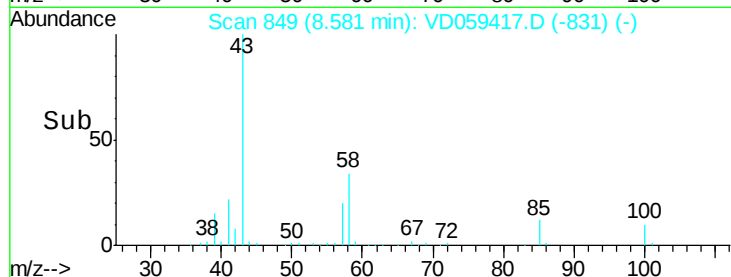
100000

50000

0

8.50 8.60 8.70

Time-->



#52

Toluene

Concen: 22.08 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.03 min

Lab File: VD059417.D

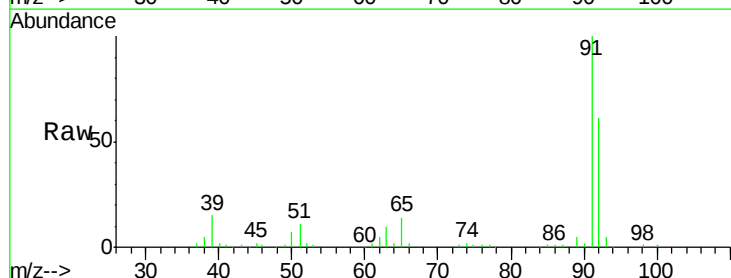
Acq: 26 Jun 2018 11:27

Tgt Ion: 92 Resp: 348545

Ion Ratio Lower Upper

92 100

91 164.5 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.79

250000

200000

150000

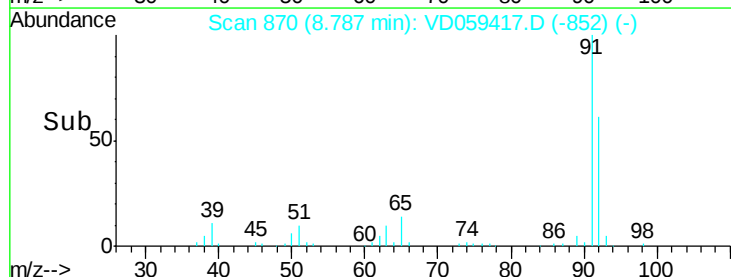
100000

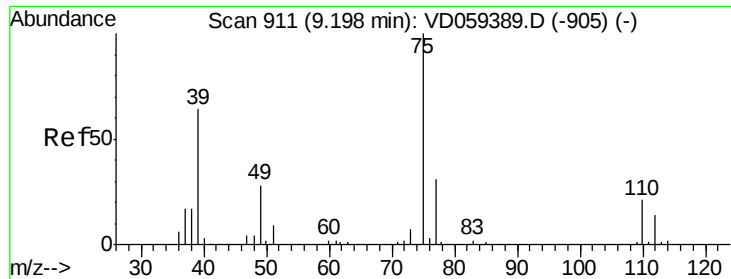
50000

0

8.70 8.80 8.90 9.00

Time-->

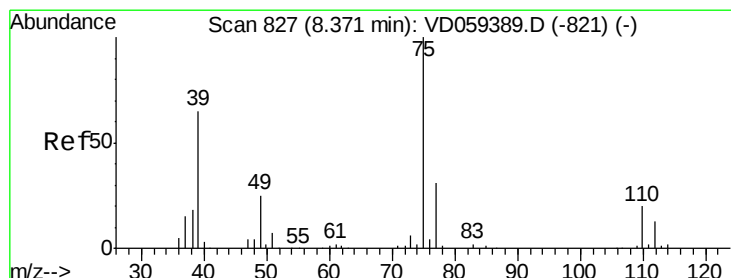
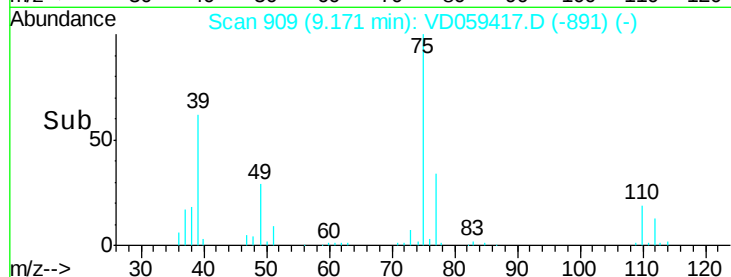
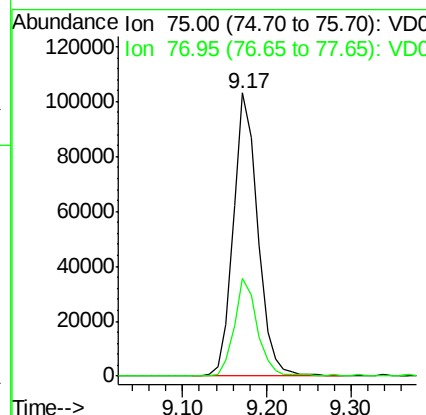
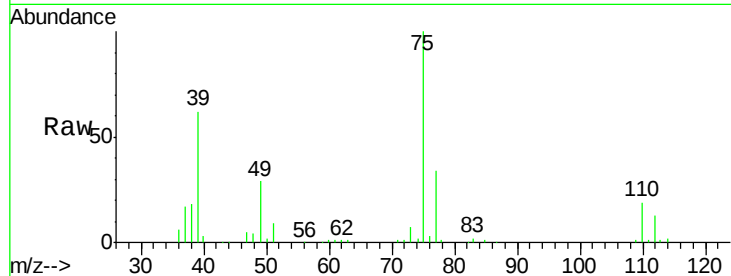




#53
 t-1,3-Dichloropropene
 Concen: 21.10 ug/l
 RT: 9.17 min Scan# 909
 Delta R.T. -0.03 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

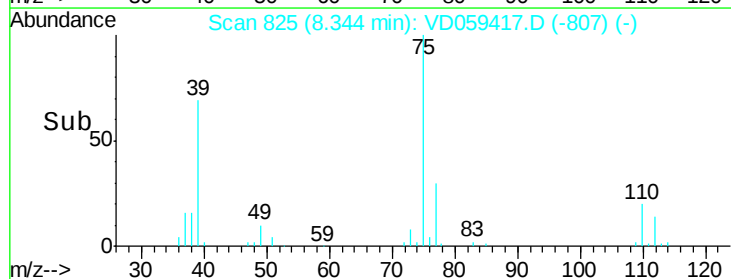
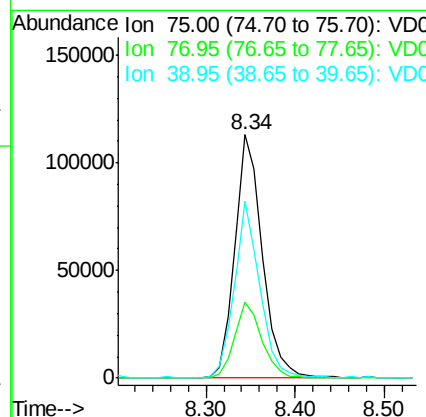
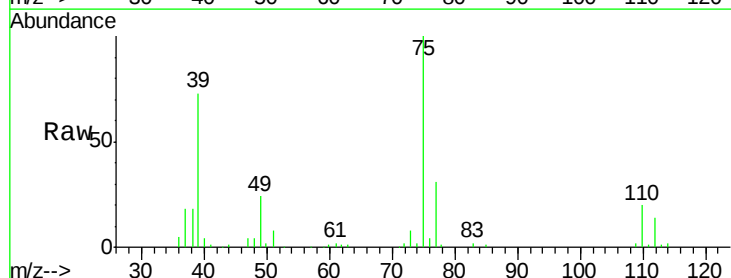
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

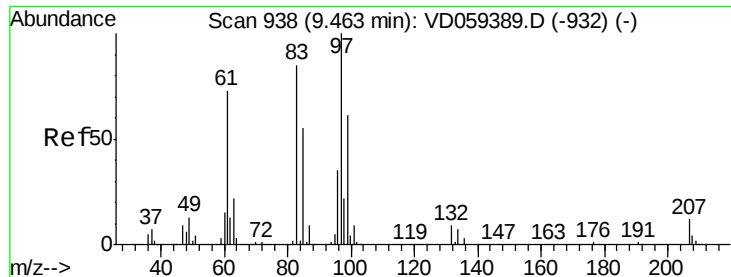
Tot Ion: 75 Resp: 207708
 Ion Ratio Lower Upper
 75 100
 77 34.5 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 21.50 ug/l
 RT: 8.34 min Scan# 825
 Delta R.T. -0.03 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

Tgt Ion: 75 Resp: 245061
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.7 37.1
 39 72.7 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 21.62 ug/l

RT: 9.44 min Scan# 936

Delta R.T. -0.03 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

Tot Ion: 97 Resp: 123893

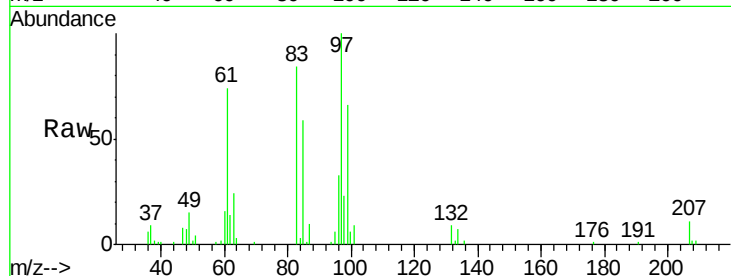
Ion Ratio Lower Upper

97 100

83 83.8 67.7 101.5

85 58.8 44.3 66.5

99 65.7 48.6 73.0

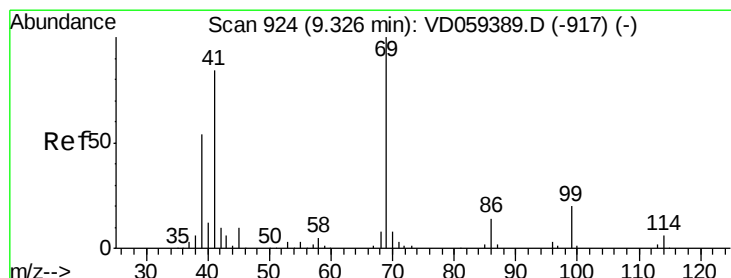
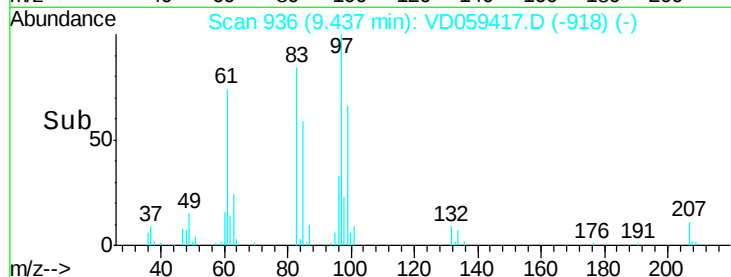
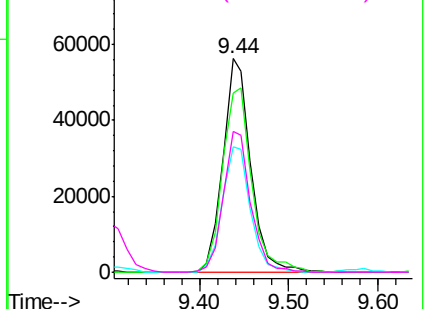


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.58 ug/l

RT: 9.30 min Scan# 922

Delta R.T. -0.03 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

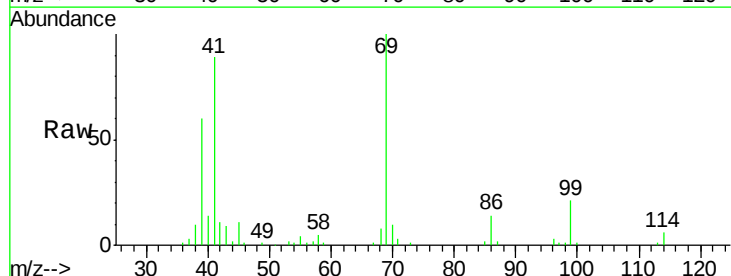
Tgt Ion: 69 Resp: 134546

Ion Ratio Lower Upper

69 100

41 89.0 67.4 101.0

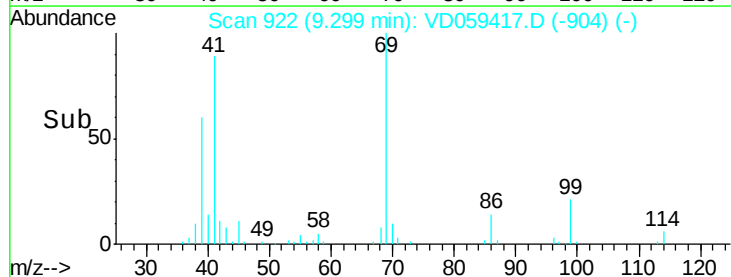
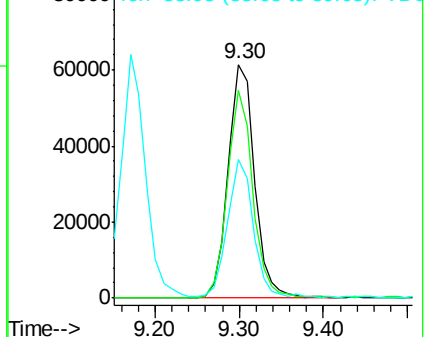
39 59.5 43.7 65.5

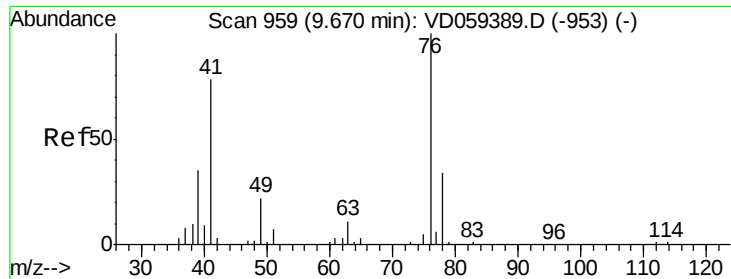


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.81 ug/l

RT: 9.65 min Scan# 958

Delta R.T. -0.02 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

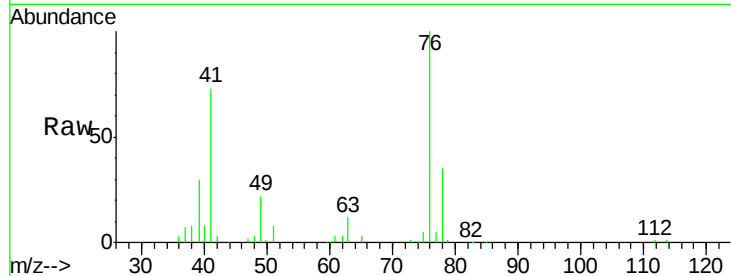
VD0626SBS01

Tot Ion: 76 Resp: 204421

Ion Ratio Lower Upper

76 100

78 35.4 26.8 40.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.65

80000

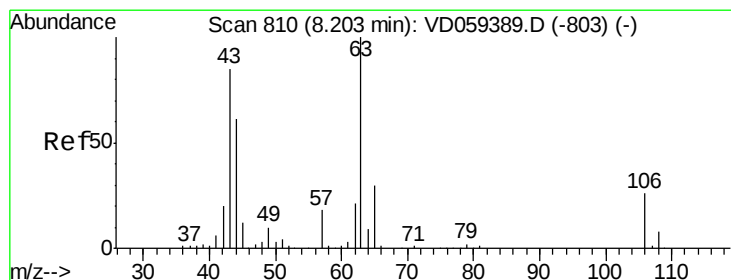
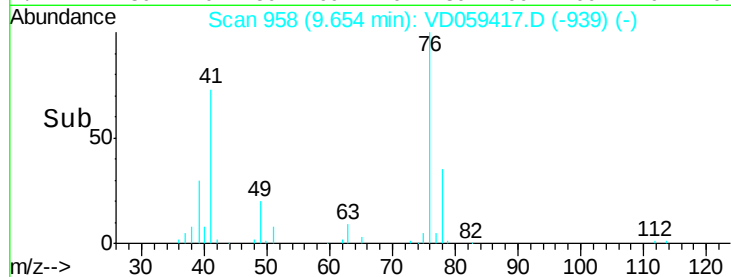
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 110.04 ug/l

RT: 8.18 min Scan# 808

Delta R.T. -0.03 min

Lab File: VD059417.D

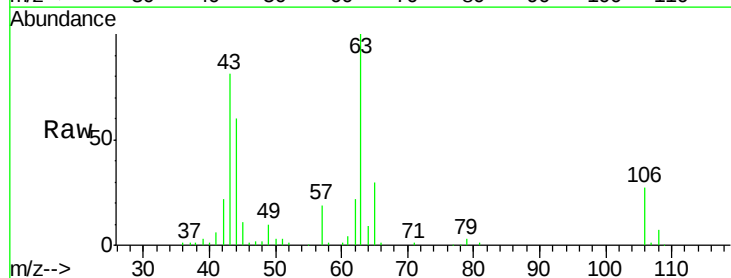
Acq: 26 Jun 2018 11:27

Tgt Ion: 63 Resp: 370377

Ion Ratio Lower Upper

63 100

106 26.6 20.6 31.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.18

200000

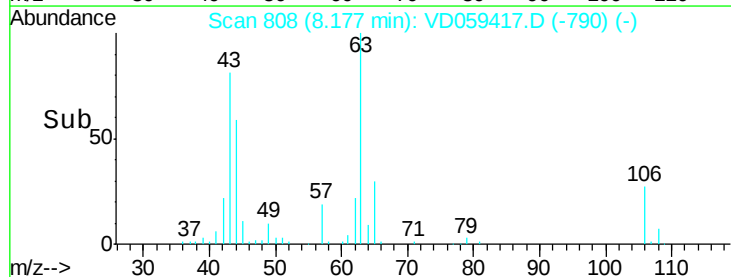
150000

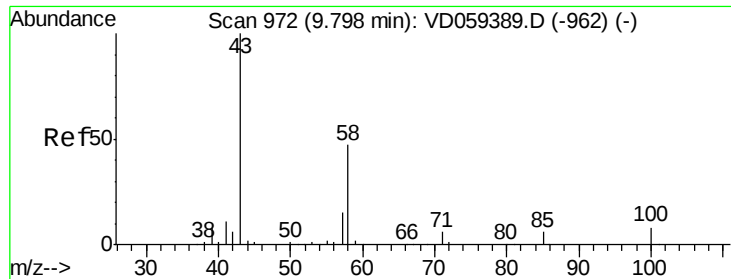
100000

50000

0

Time-->

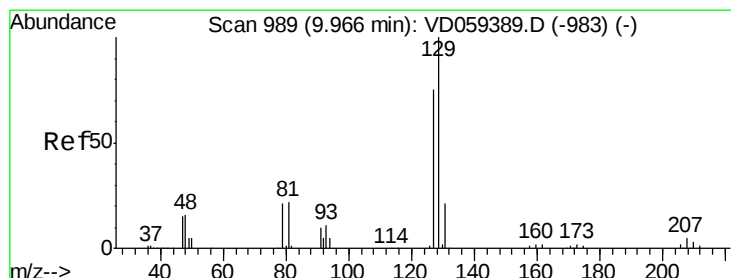
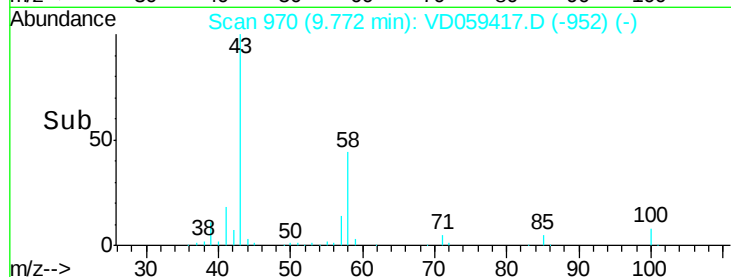
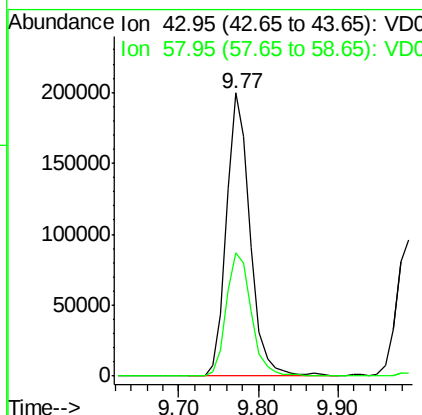
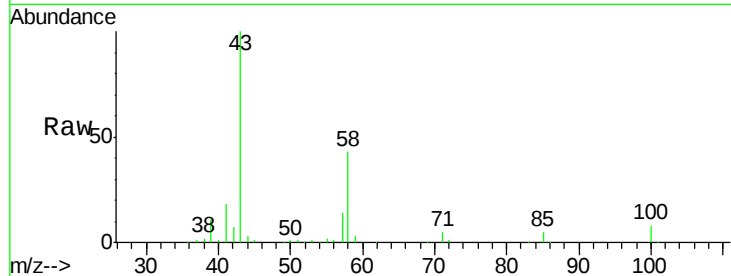




#59
2-Hexanone
Concen: 104.34 ug/l
RT: 9.77 min Scan# 970
Delta R.T. -0.03 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

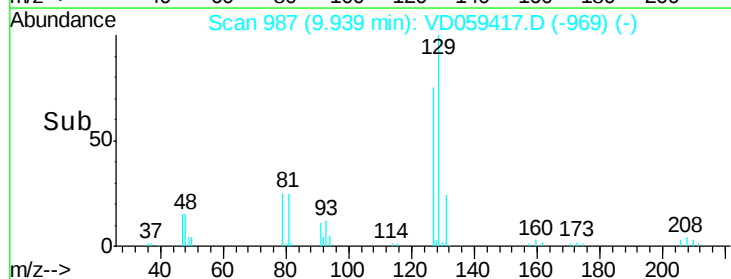
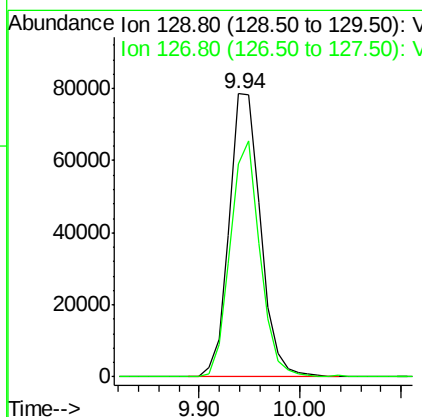
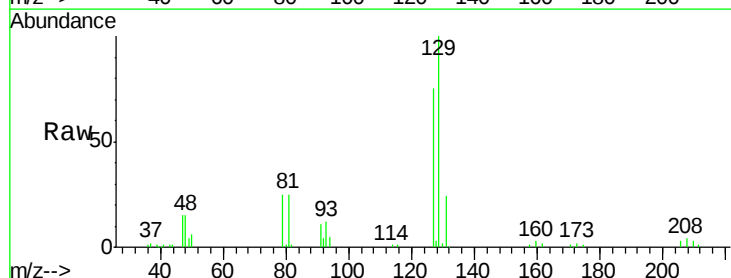
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBS01

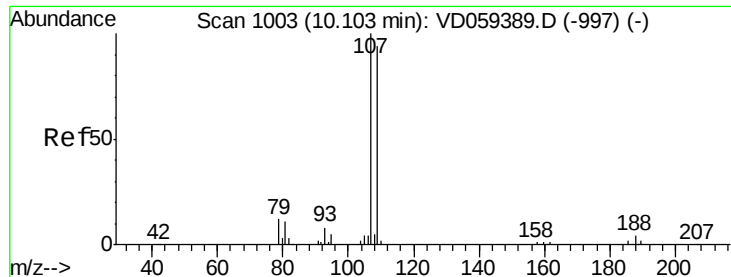
Tot Ion: 43 Resp: 416158
Ion Ratio Lower Upper
43 100
58 43.4 23.3 69.9



#60
Dibromochloromethane
Concen: 21.23 ug/l
RT: 9.94 min Scan# 987
Delta R.T. -0.03 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

Tgt Ion: 129 Resp: 170319
Ion Ratio Lower Upper
129 100
127 75.1 37.3 111.8





#61

1,2-Dibromoethane

Concen: 22.14 ug/l

RT: 10.08 min Scan# 1001

Delta R.T. -0.03 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

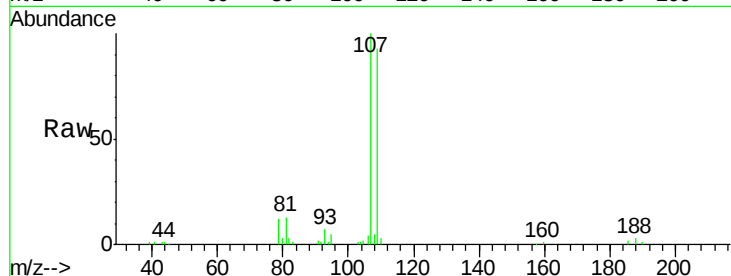
VD0626SBS01

Tot Ion:107 Resp: 141263

Ion Ratio Lower Upper

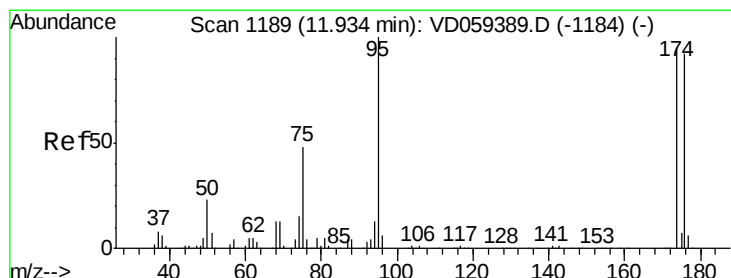
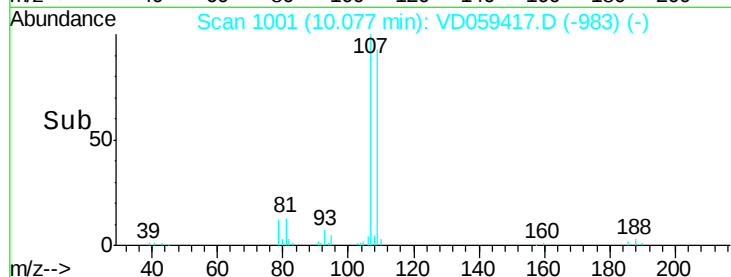
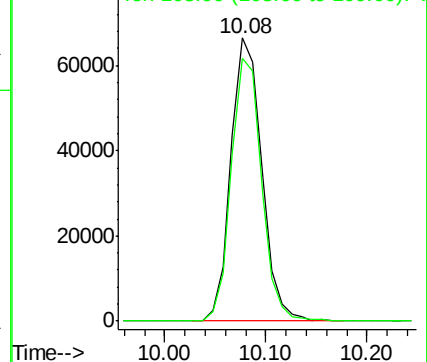
107 100

109 93.1 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 22.14 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.01 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

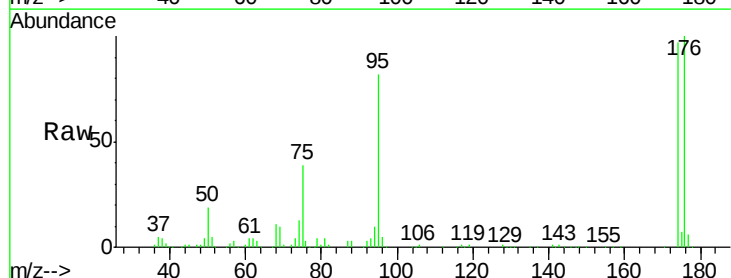
Tgt Ion: 95 Resp: 432756

Ion Ratio Lower Upper

95 100

174 118.4 0.0 190.4

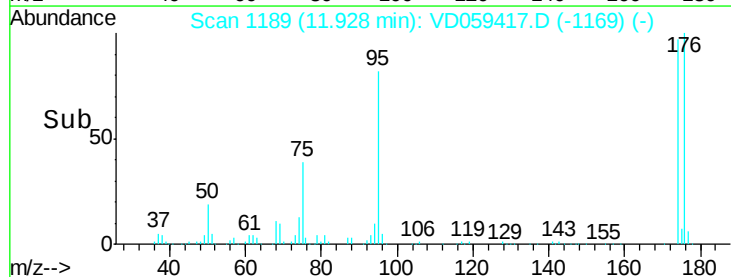
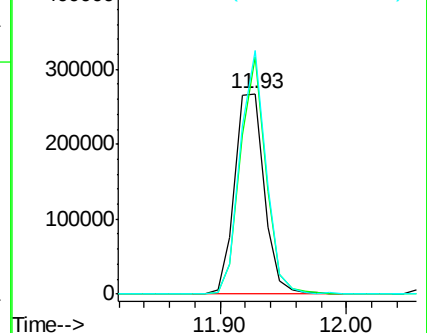
176 121.5 0.0 183.2

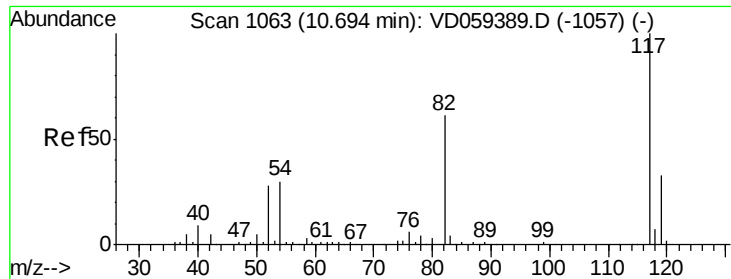


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

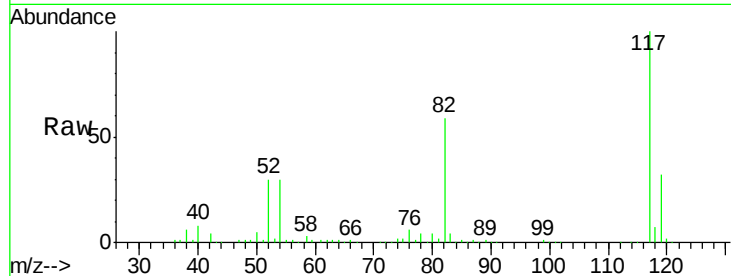




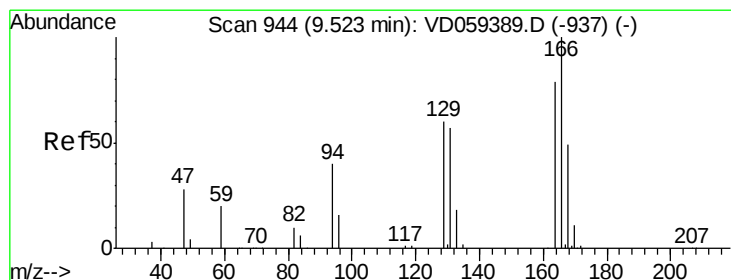
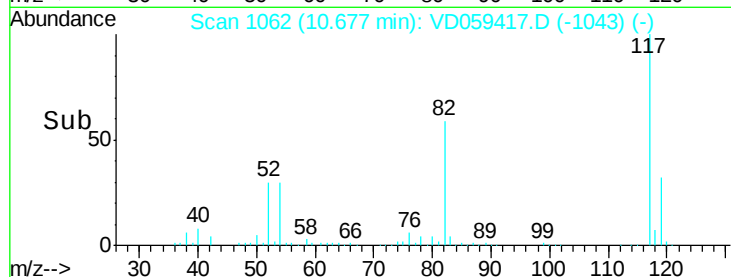
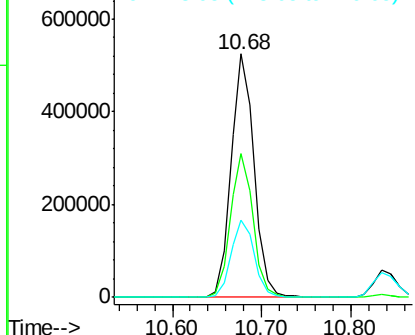
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0626SBS01

Tot Ion:117 Resp: 951271
Ion Ratio Lower Upper
117 100
82 59.0 49.0 73.6
119 31.6 26.2 39.4

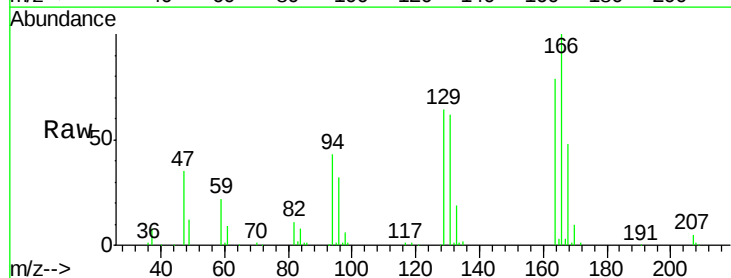


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

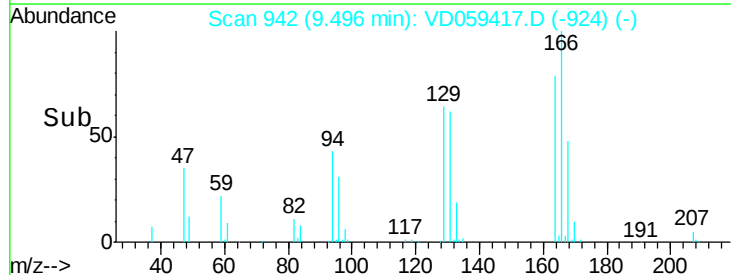
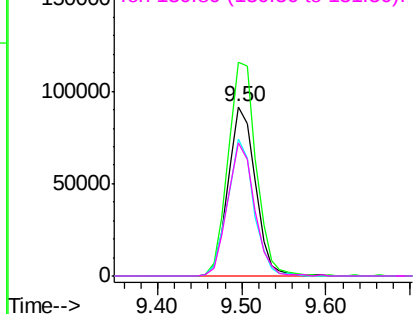


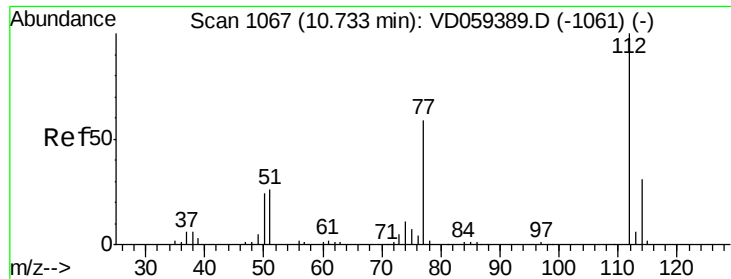
#64
Tetrachloroethene
Concen: 24.65 ug/l
RT: 9.50 min Scan# 942
Delta R.T. -0.03 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

Tgt Ion:164 Resp: 205716
Ion Ratio Lower Upper
164 100
166 126.0 101.4 152.2
129 80.6 60.9 91.3
131 78.5 58.2 87.4



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

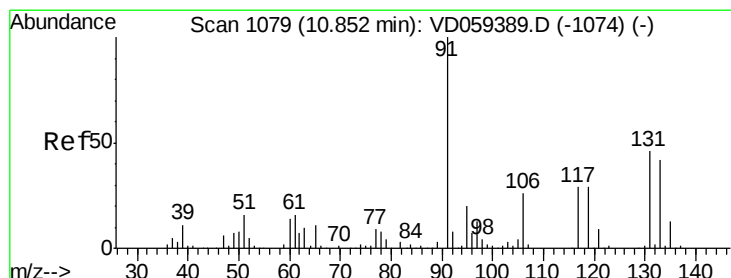
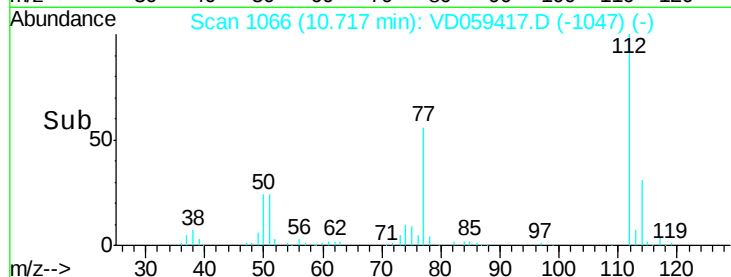
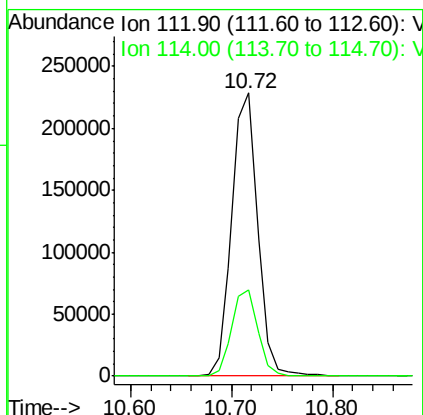
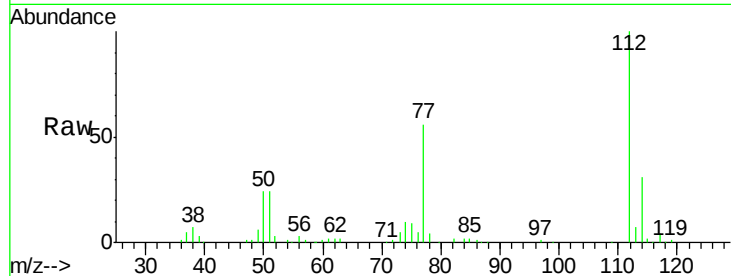




#65
Chlorobenzene
Concen: 23.46 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

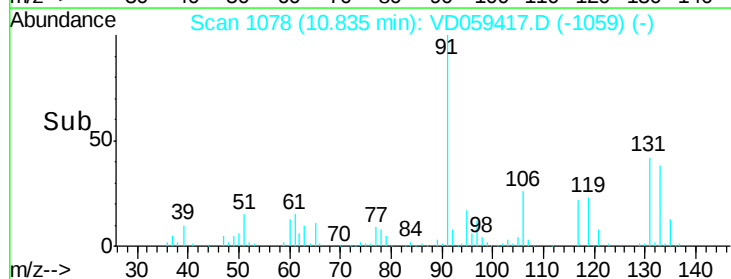
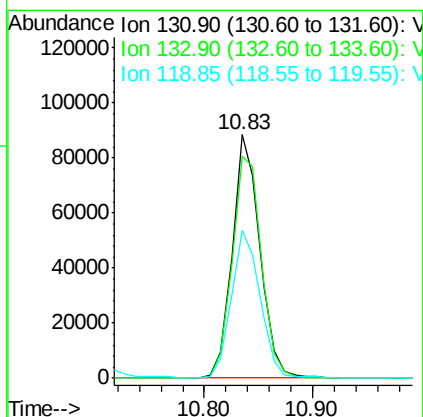
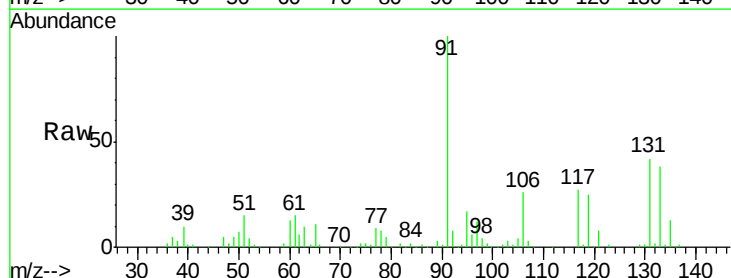
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBS01

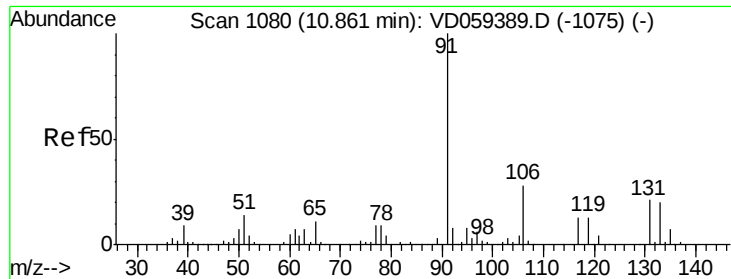
Tot Ion:112 Resp: 408048
Ion Ratio Lower Upper
112 100
114 30.6 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 23.40 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

Tgt Ion:131 Resp: 156238
Ion Ratio Lower Upper
131 100
133 91.2 45.7 137.1
119 60.4 32.3 96.9

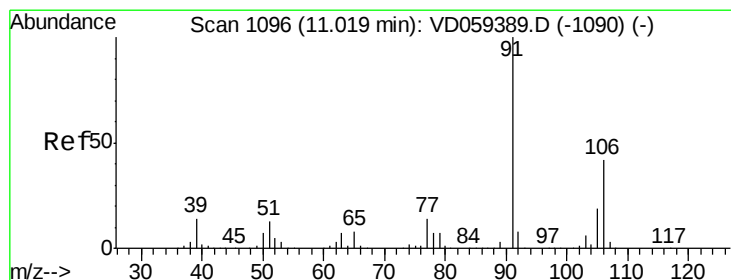
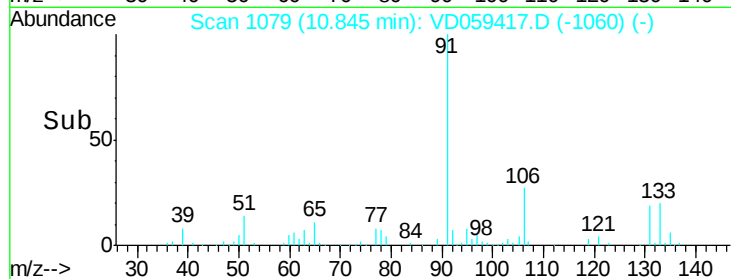
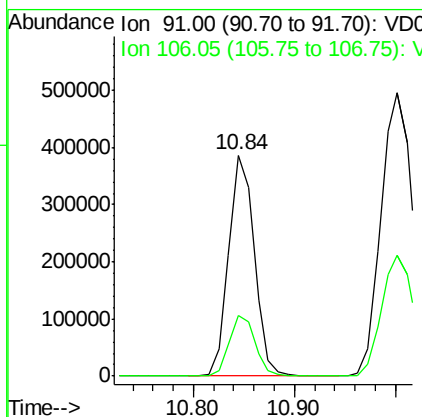
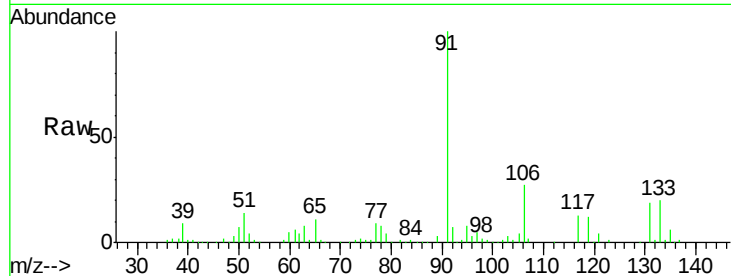




#67
Ethyl Benzene
Concen: 23.30 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

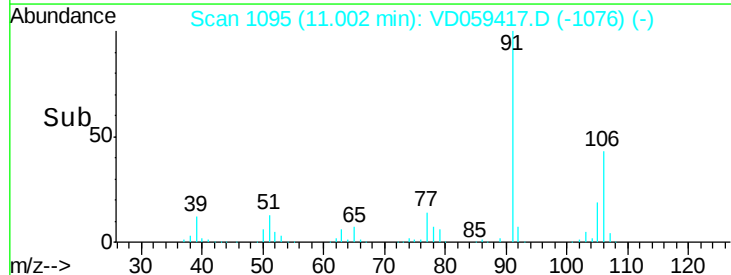
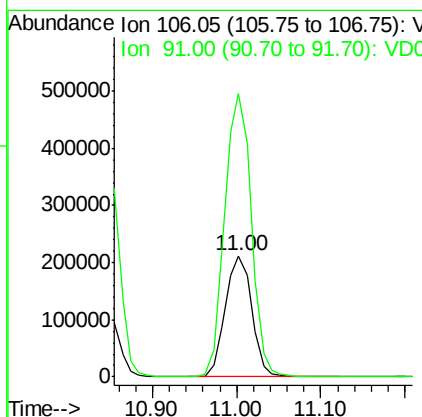
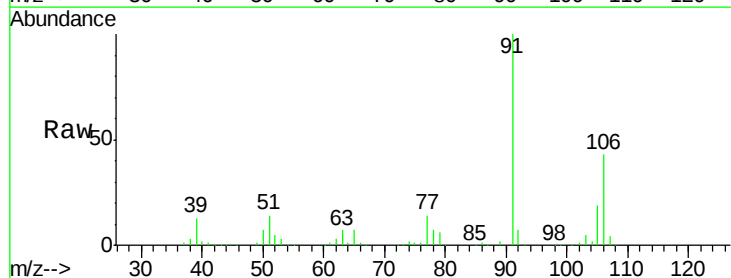
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBS01

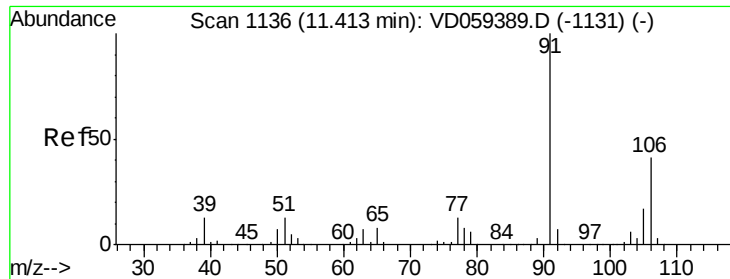
Tot Ion: 91 Resp: 683960
Ion Ratio Lower Upper
91 100
106 27.4 22.3 33.5



#68
m/p-Xylenes
Concen: 47.90 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

Tgt Ion: 106 Resp: 466436
Ion Ratio Lower Upper
106 100
91 233.2 191.0 286.6

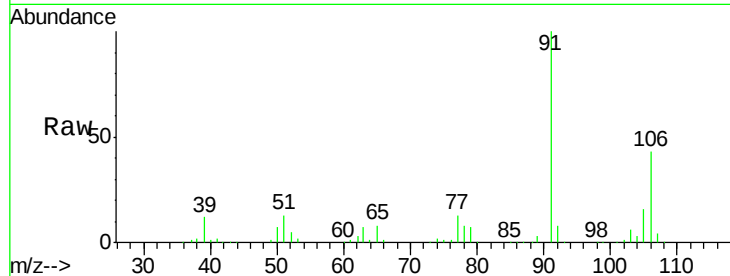




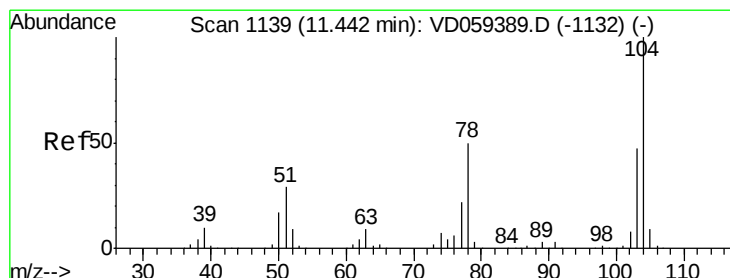
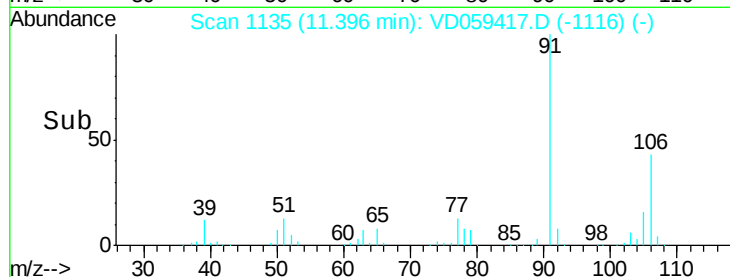
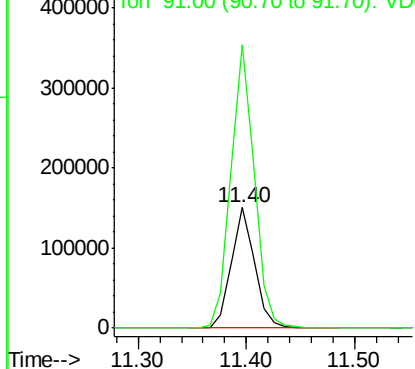
#69
o-Xylene
Concen: 23.46 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0626SBS01

Tot Ion:106 Resp: 225824
Ion Ratio Lower Upper
106 100
91 235.0 121.0 362.8

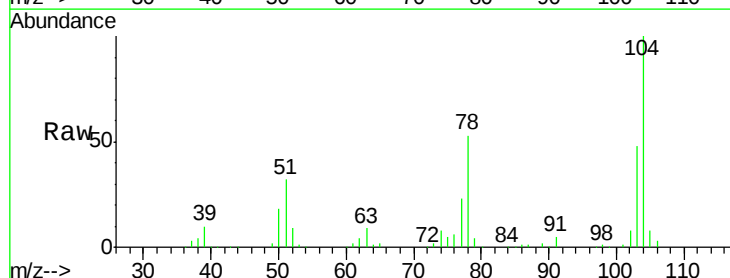


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

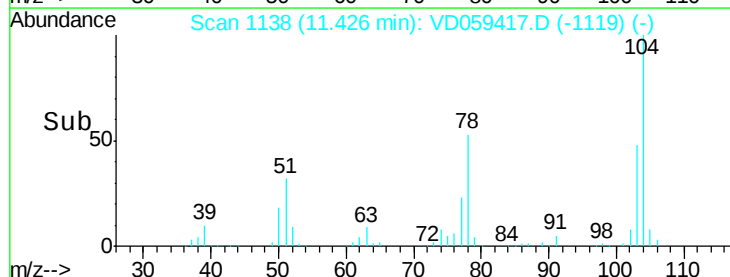
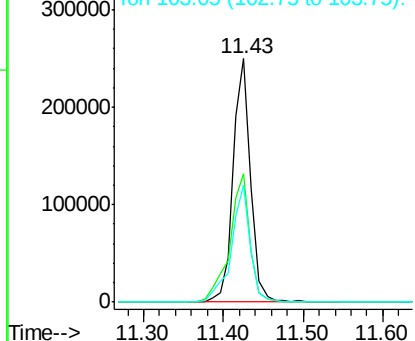


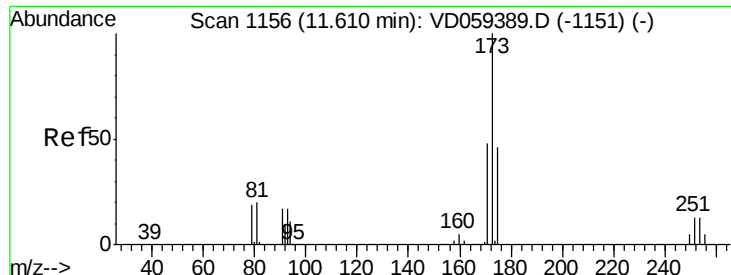
#70
Styrene
Concen: 23.41 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

Tgt Ion:104 Resp: 386417
Ion Ratio Lower Upper
104 100
78 52.8 40.2 60.4
103 47.8 37.8 56.8



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 21.88 ug/l

RT: 11.59 min Scan# 1155

Delta R.T. -0.02 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

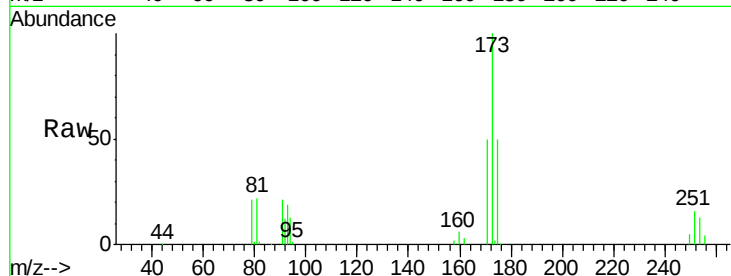
Tot Ion:173 Resp: 121009

Ion Ratio Lower Upper

173 100

175 50.4 22.8 68.4

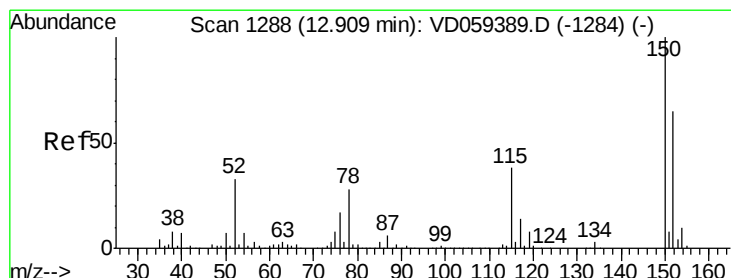
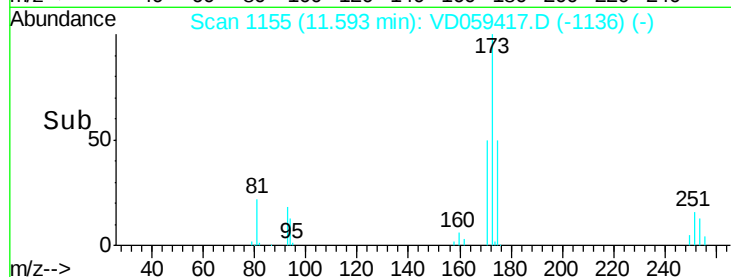
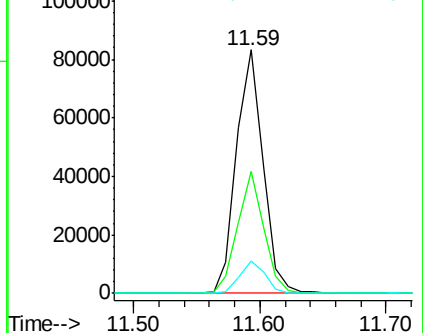
254 13.2 10.1 15.1



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

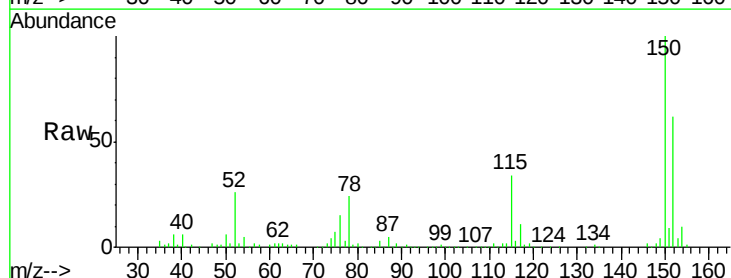
Tgt Ion:152 Resp: 477770

Ion Ratio Lower Upper

152 100

115 54.3 29.4 88.3

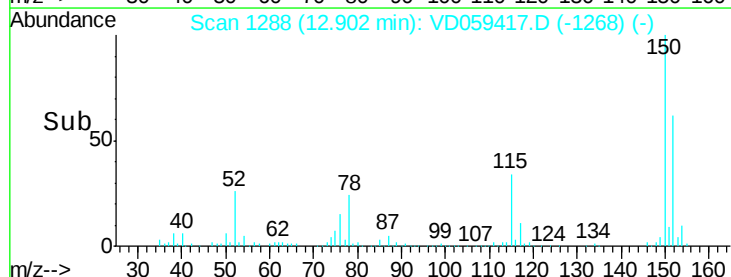
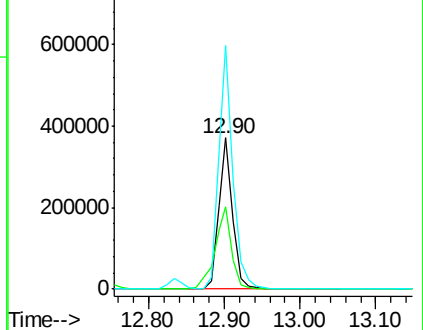
150 160.8 0.0 308.2

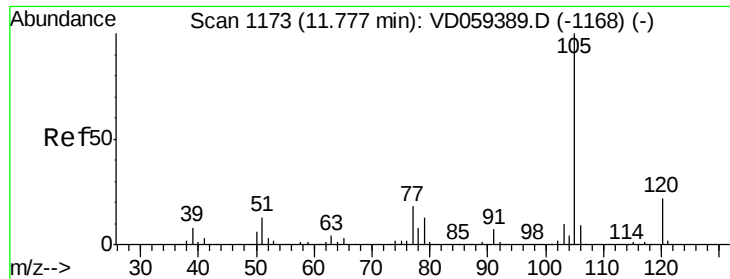


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 24.45 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. -0.02 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

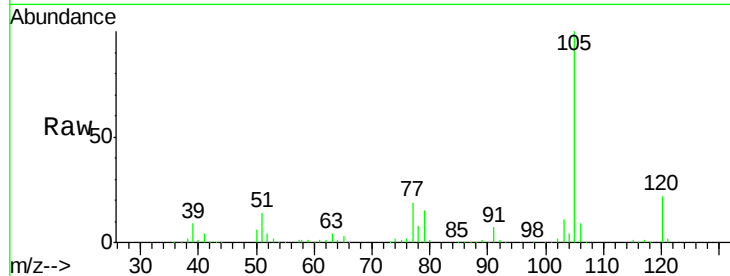
VD0626SBS01

Tot Ion:105 Resp: 659166

Ion Ratio Lower Upper

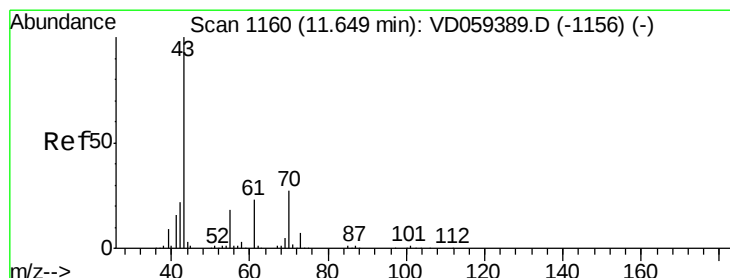
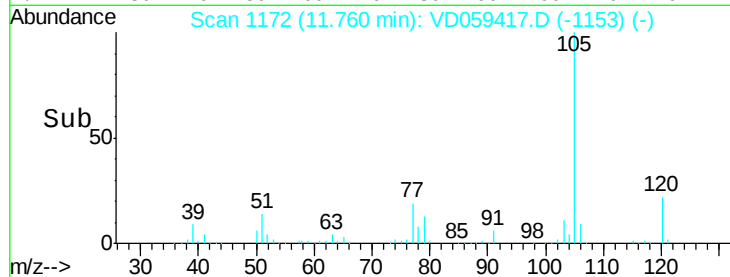
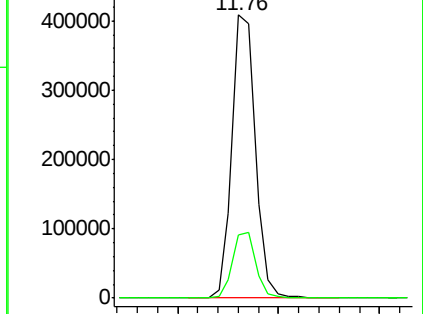
105 100

120 22.4 11.0 33.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.91 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Tgt Ion: 43 Resp: 214492

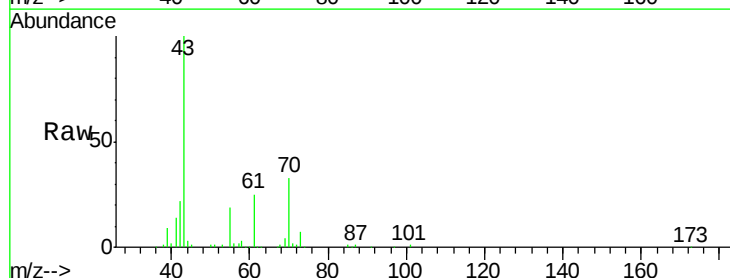
Ion Ratio Lower Upper

43 100

70 32.7 21.7 32.5#

55 19.5 14.6 22.0

61 24.5 18.0 27.0

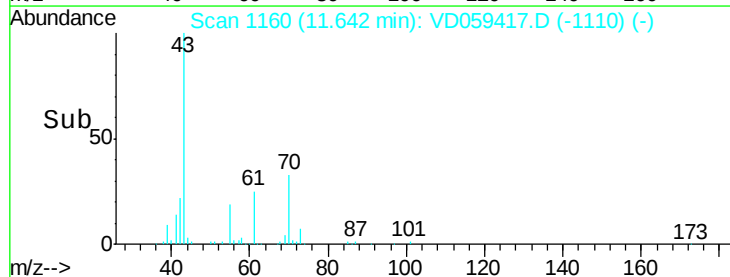
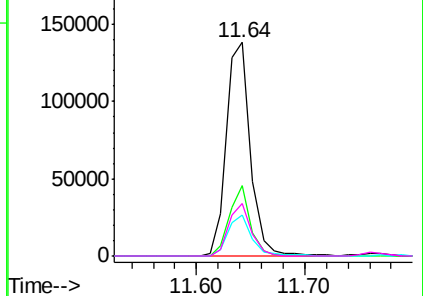


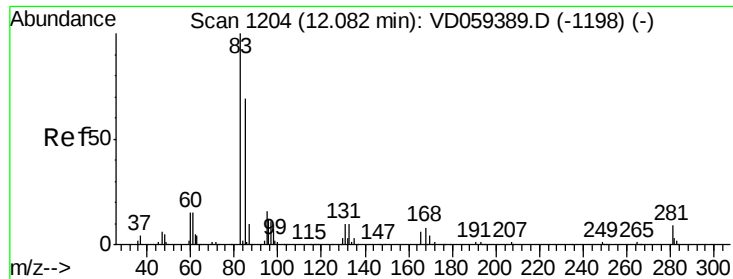
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

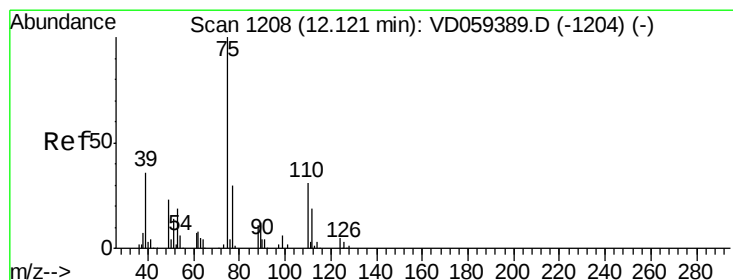
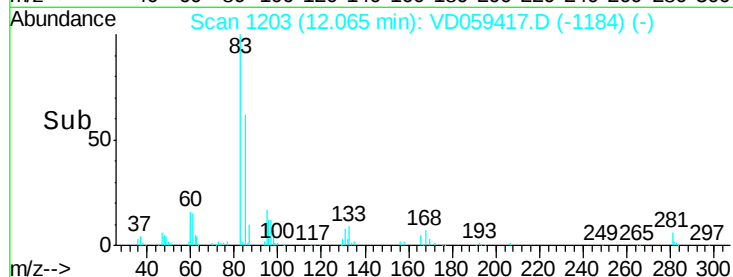
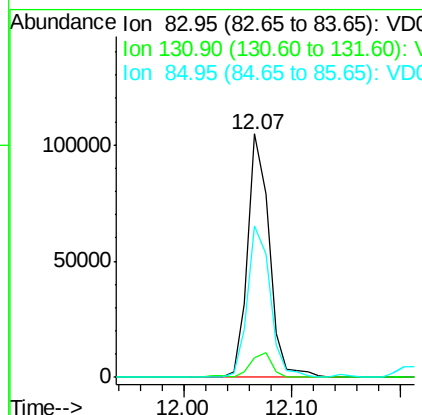
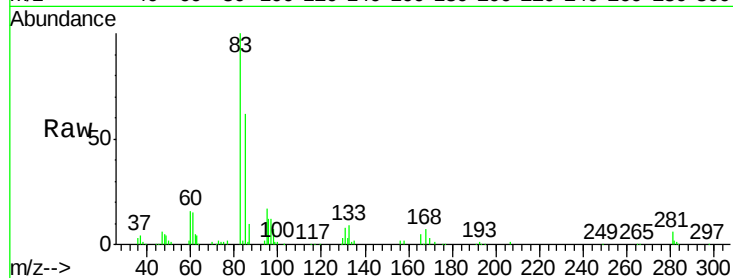




#75
 1,1,2,2-Tetrachloroethane
 Concen: 23.09 ug/l
 RT: 12.07 min Scan# 1203
 Delta R.T. -0.02 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

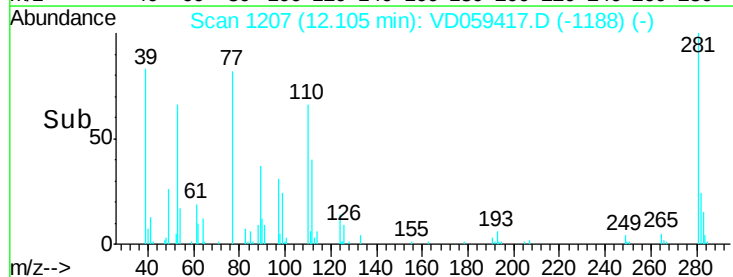
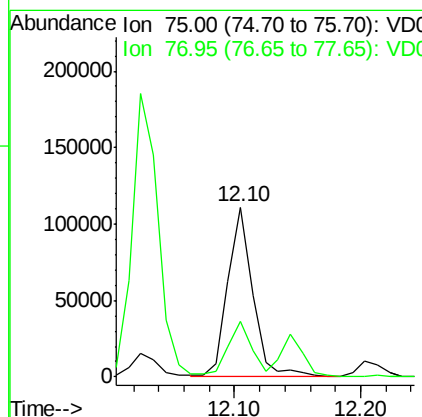
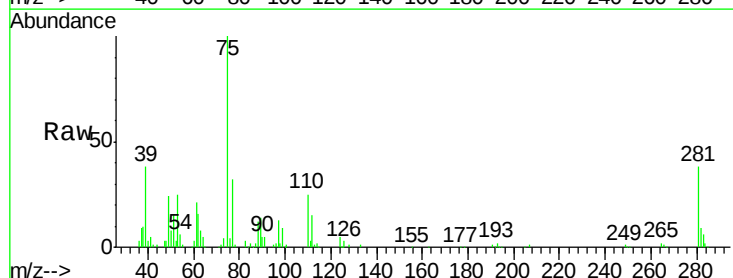
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

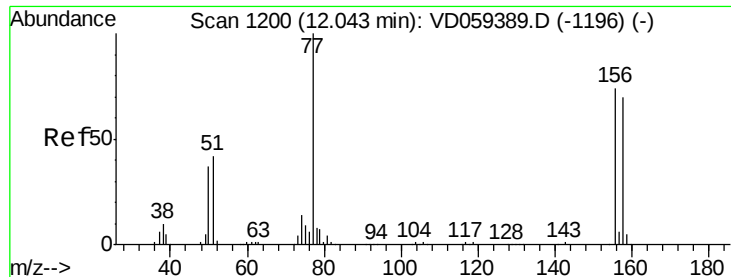
Tot Ion	83	Resp	146058
Ion Ratio	100	Lower	Upper
83	100		
131	8.2	4.9	14.6
85	62.2	34.6	103.8



#76
 1,2,3-Trichloropropane
 Concen: 22.96 ug/l
 RT: 12.10 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

Tgt Ion	75	Resp	151322
Ion Ratio	100	Lower	Upper
75	100		
77	32.3	15.6	46.8





#77

Bromobenzene

Concen: 23.18 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

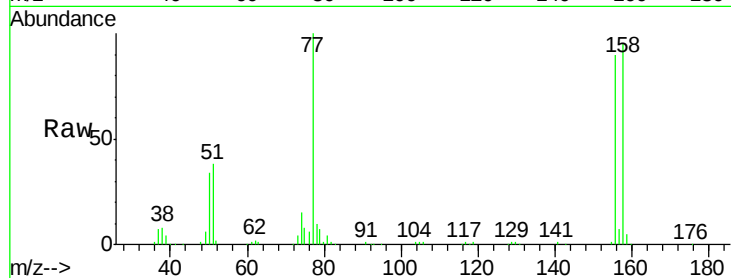
Tot Ion:156 Resp: 196731

Ion Ratio Lower Upper

156 100

77 110.8 68.0 203.8

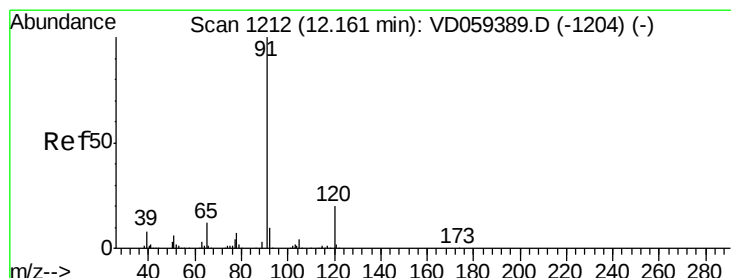
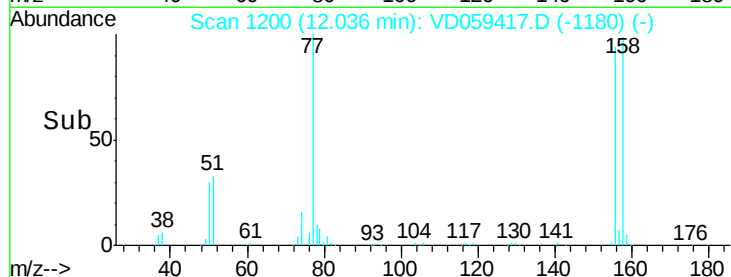
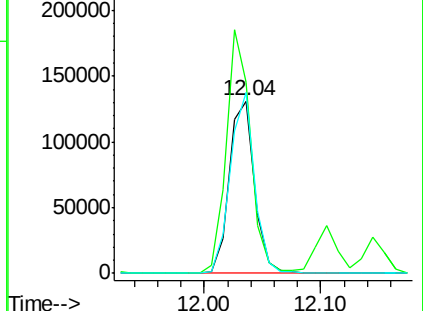
158 105.4 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 24.61 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. -0.02 min

Lab File: VD059417.D

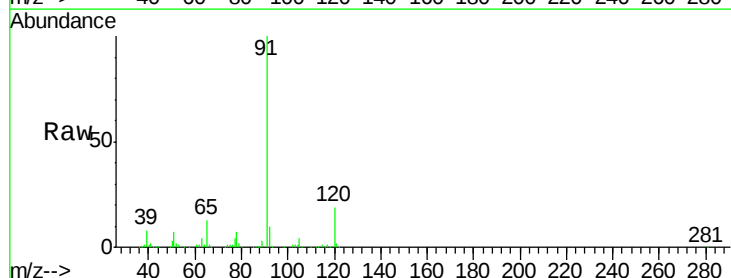
Acq: 26 Jun 2018 11:27

Tgt Ion: 91 Resp: 840468

Ion Ratio Lower Upper

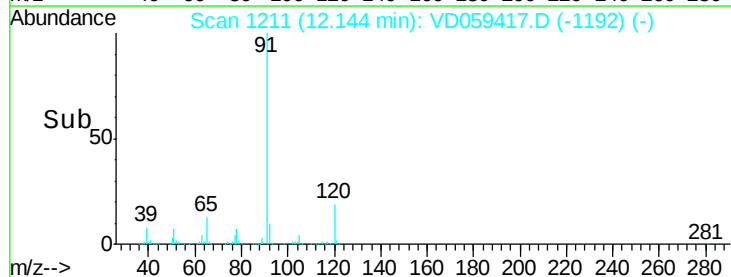
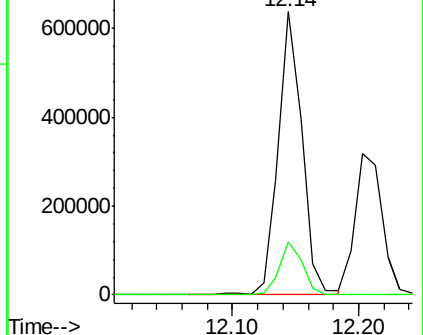
91 100

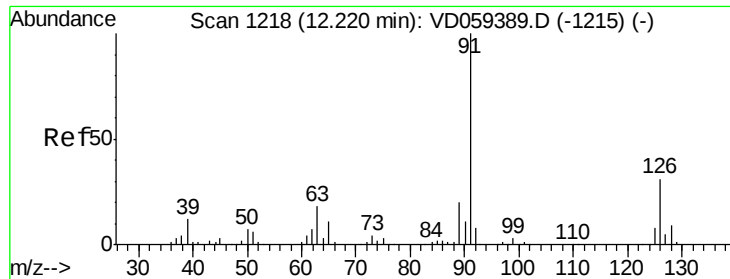
120 18.5 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

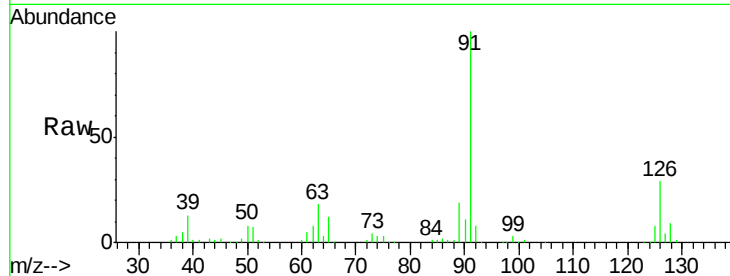




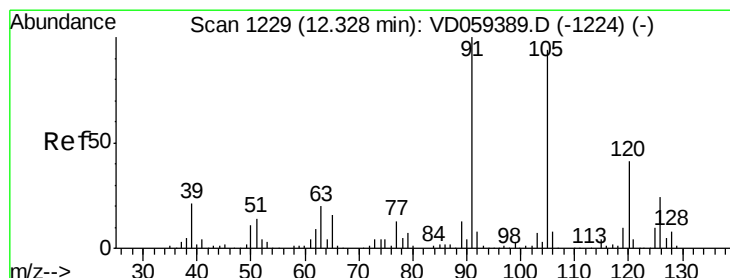
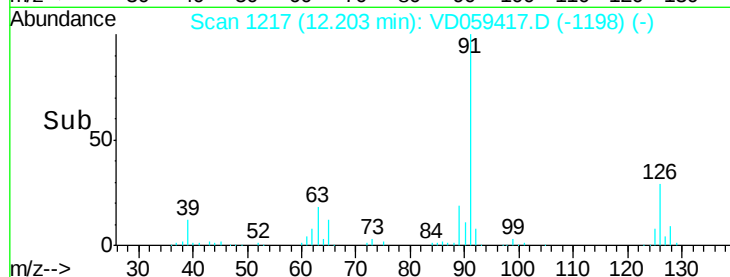
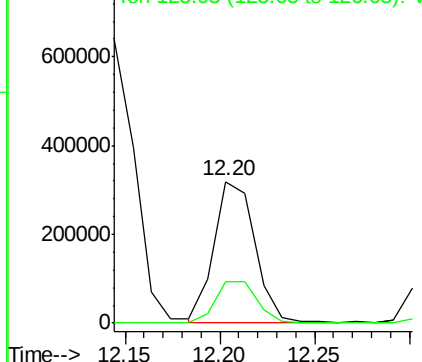
#79
 2-Chlorotoluene
 Concen: 23.87 ug/l
 RT: 12.20 min Scan# 1217
 Delta R.T. -0.02 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

Tot Ion: 91 Resp: 478639
 Ion Ratio Lower Upper
 91 100
 126 29.1 15.2 45.5

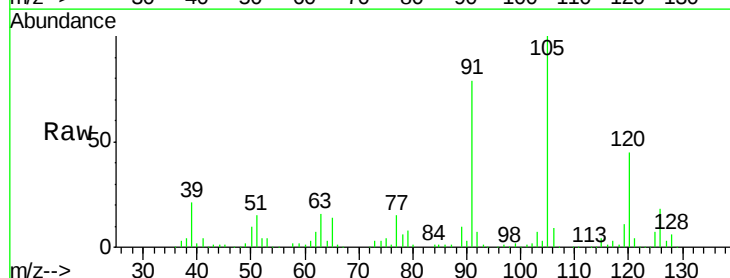


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

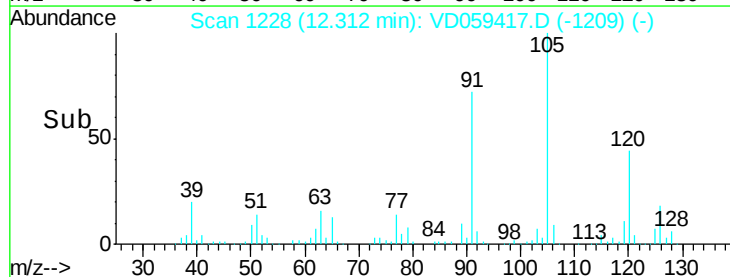
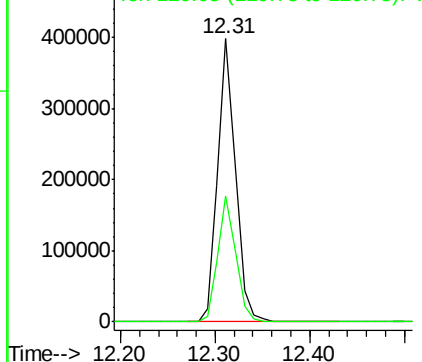


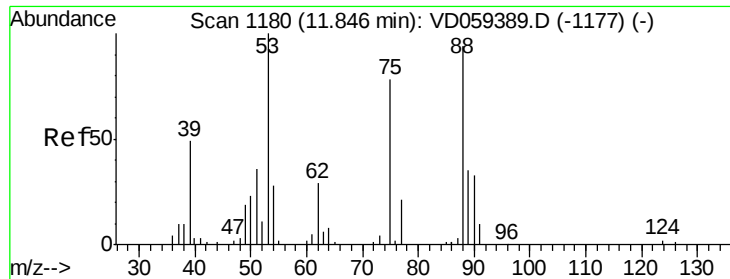
#80
 1,3,5-Trimethylbenzene
 Concen: 24.19 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.02 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

Tgt Ion: 105 Resp: 519114
 Ion Ratio Lower Upper
 105 100
 120 44.7 21.9 65.7



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

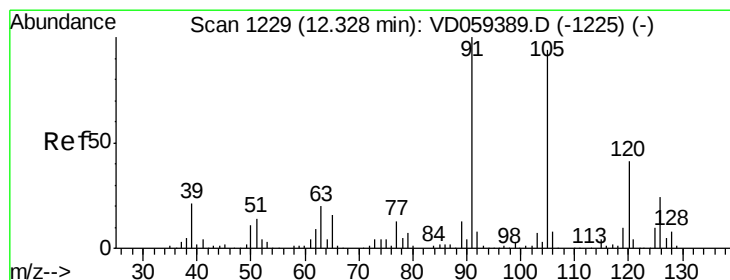
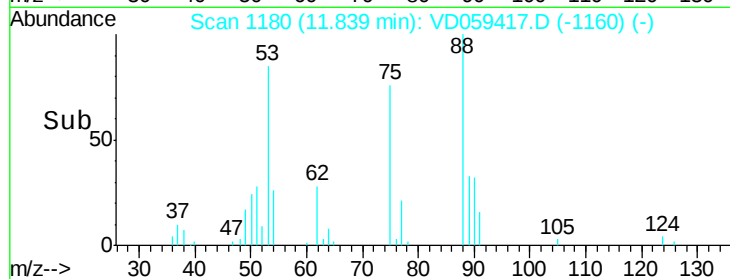
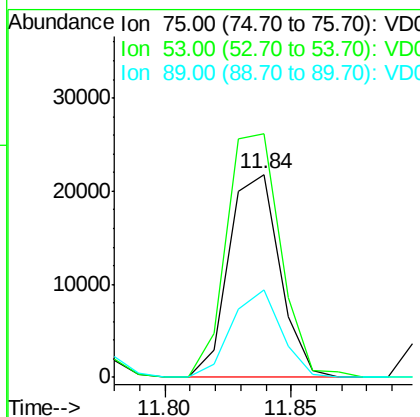
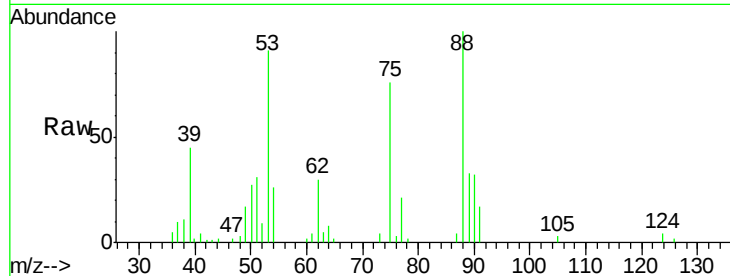




#81
trans-1,4-Dichloro-2-butene
Concen: 20.53 ug/l
RT: 11.84 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

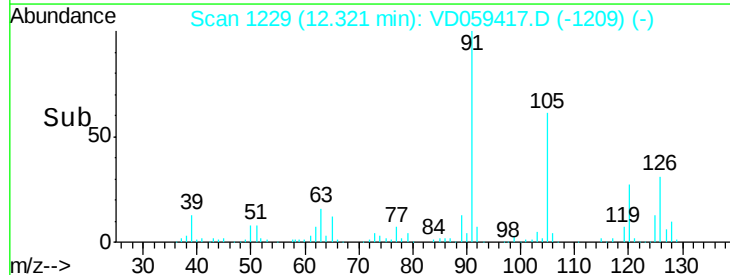
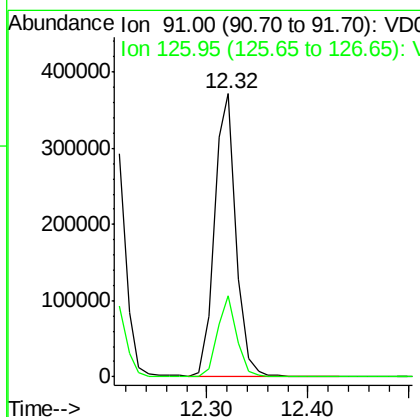
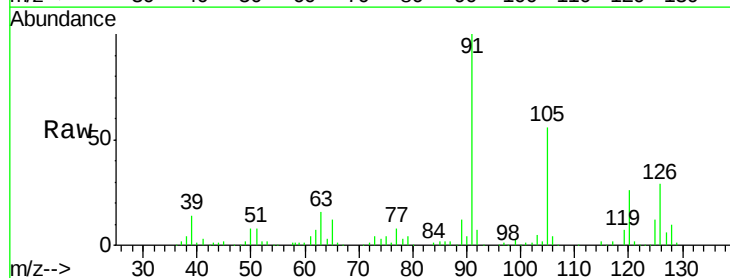
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBS01

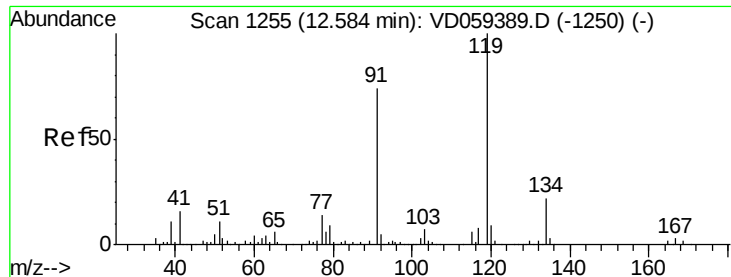
Tot Ion: 75 Resp: 30748
Ion Ratio Lower Upper
75 100
53 119.8 102.6 154.0
89 43.1 35.9 53.9



#82
4-Chlorotoluene
Concen: 24.27 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

Tgt Ion: 91 Resp: 551870
Ion Ratio Lower Upper
91 100
126 28.8 12.2 36.6

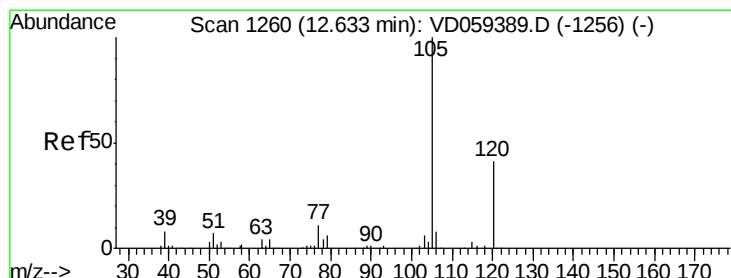
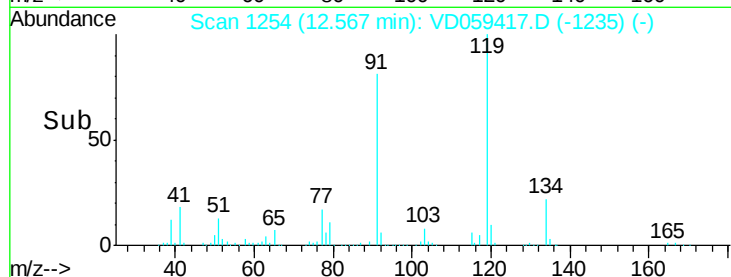
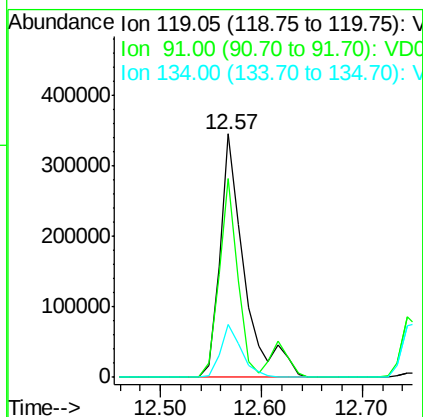
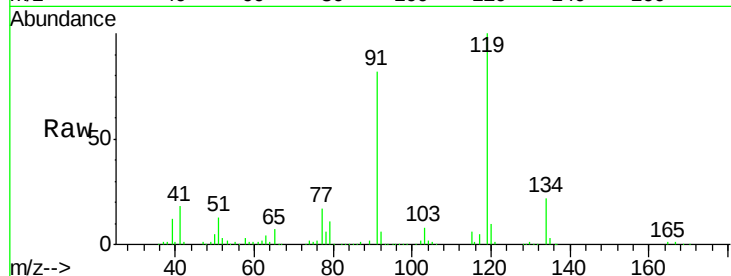




#83
tert-Butylbenzene
Concen: 25.43 ug/l
RT: 12.57 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

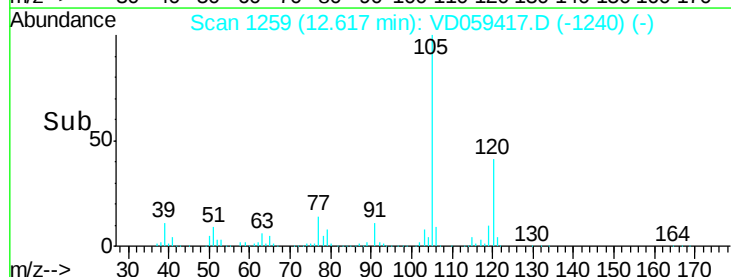
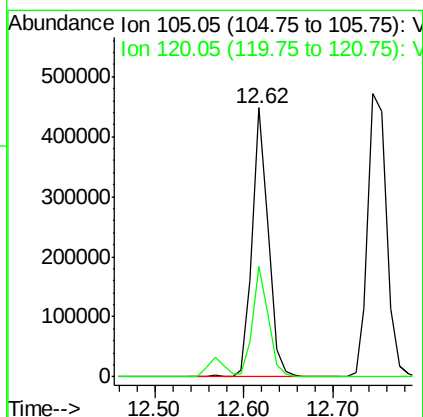
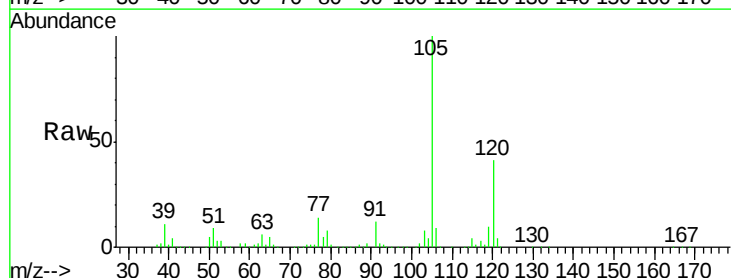
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBS01

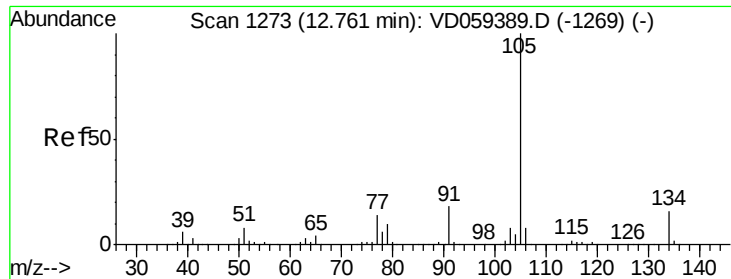
Tot Ion:119 Resp: 580509
Ion Ratio Lower Upper
119 100
91 81.8 36.9 110.7
134 21.8 11.2 33.6



#84
1,2,4-Trimethylbenzene
Concen: 24.53 ug/l
RT: 12.62 min Scan# 1259
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

Tgt Ion:105 Resp: 557239
Ion Ratio Lower Upper
105 100
120 41.3 21.5 64.5





#85

sec-Butylbenzene

Concen: 24.77 ug/l

RT: 12.74 min Scan# 1272

Delta R.T. -0.02 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

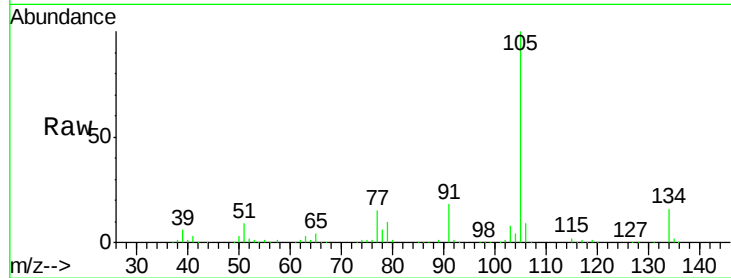
VD0626SBS01

Tot Ion:105 Resp: 693919

Ion Ratio Lower Upper

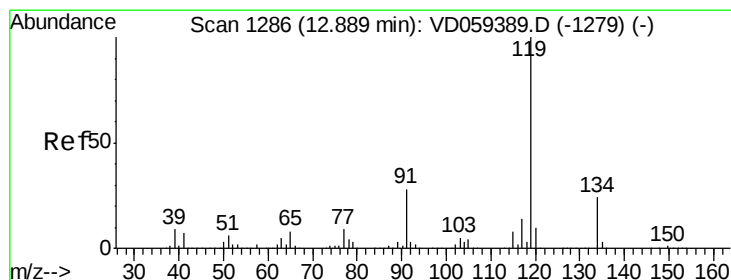
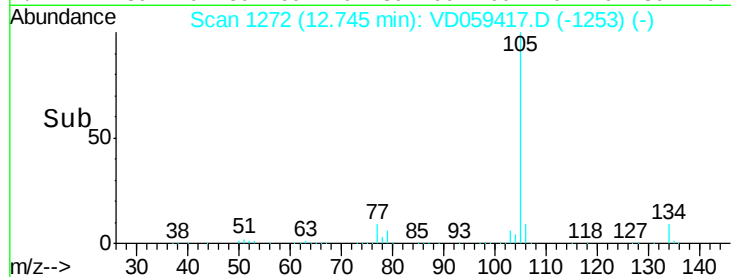
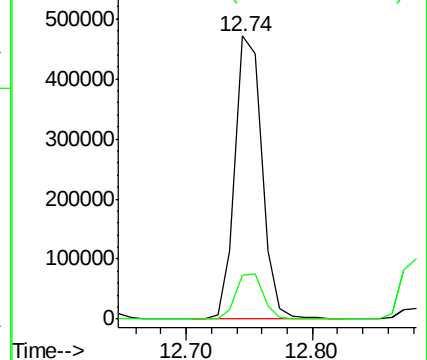
105 100

134 15.5 8.2 24.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 24.52 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.01 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

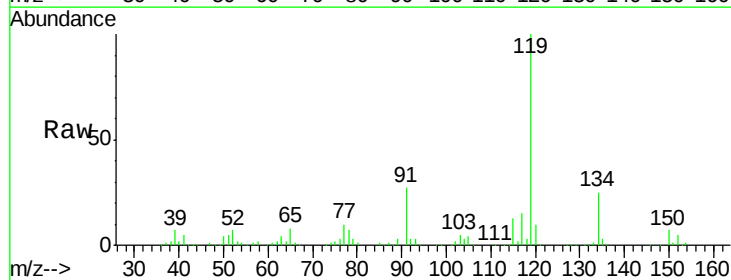
Tgt Ion:119 Resp: 553736

Ion Ratio Lower Upper

119 100

134 24.9 11.9 35.5

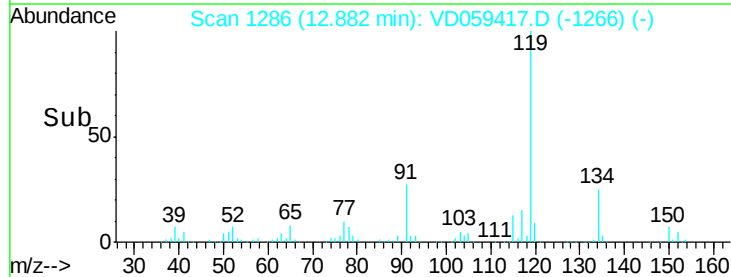
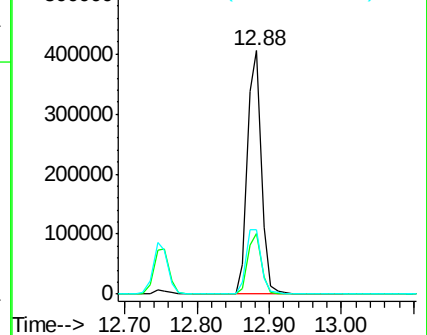
91 26.7 14.1 42.4

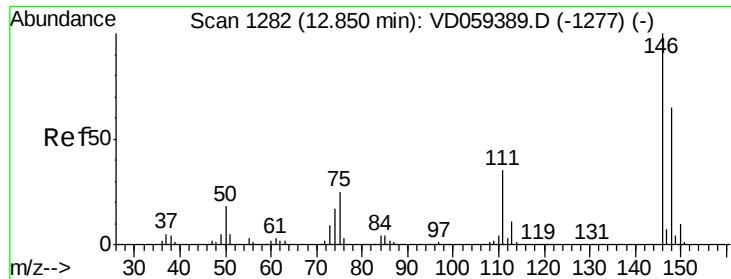


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

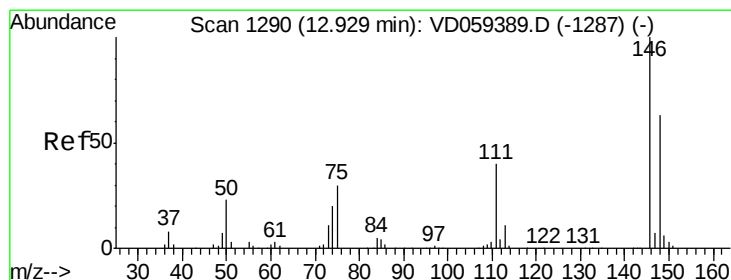
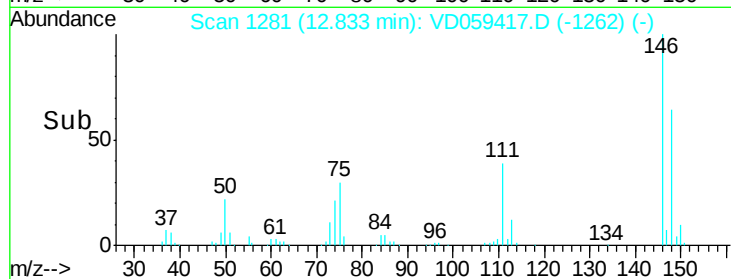
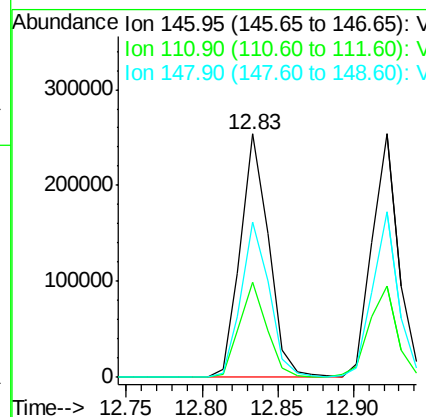
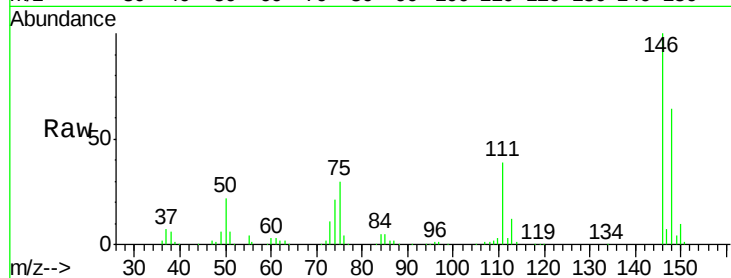




#87
 1,3-Dichlorobenzene
 Concen: 23.65 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.02 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

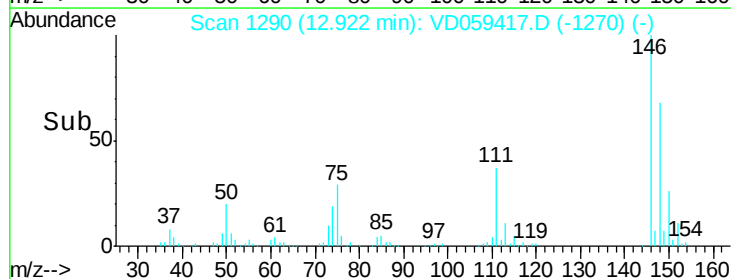
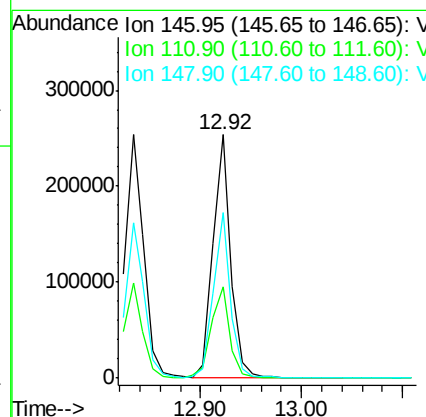
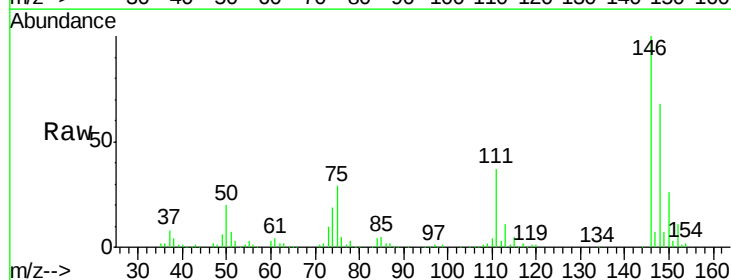
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

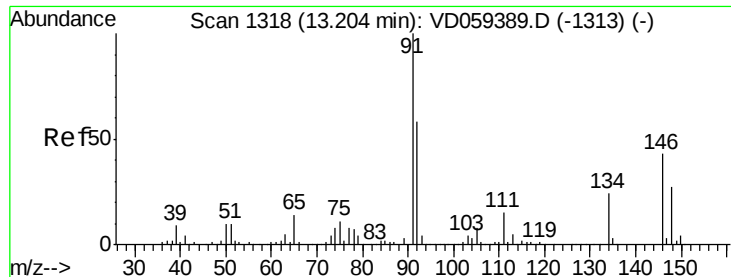
Tot Ion:146 Resp: 330159
 Ion Ratio Lower Upper
 146 100
 111 39.1 17.6 52.8
 148 63.6 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 22.76 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

Tgt Ion:146 Resp: 313596
 Ion Ratio Lower Upper
 146 100
 111 37.4 20.1 60.2
 148 67.9 31.4 94.0

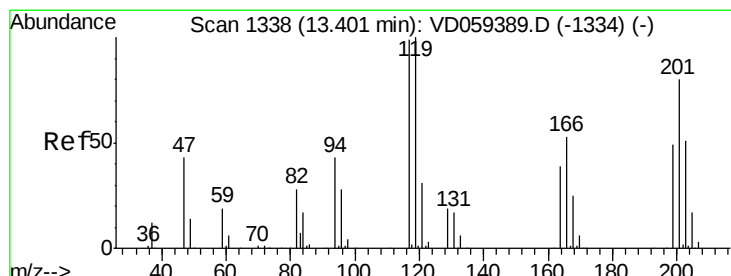
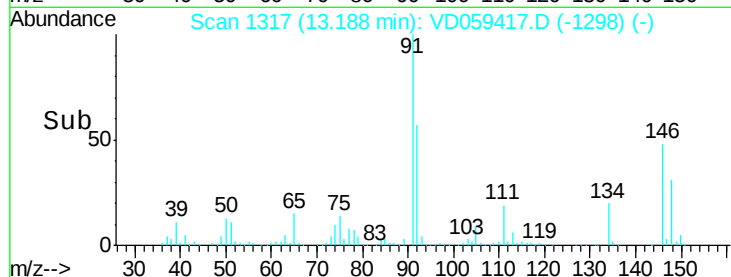
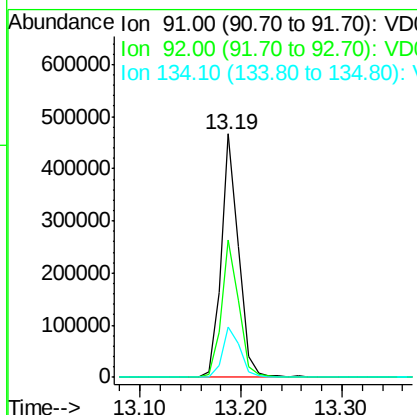
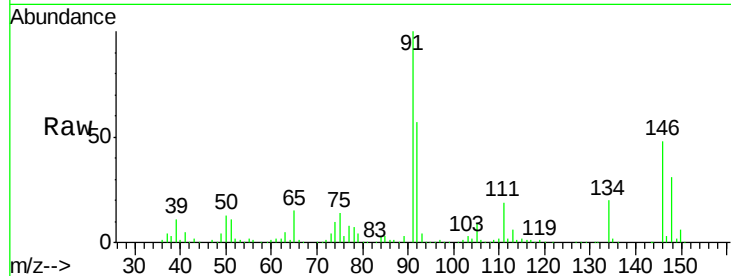




#89
n-Butylbenzene
Concen: 25.19 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

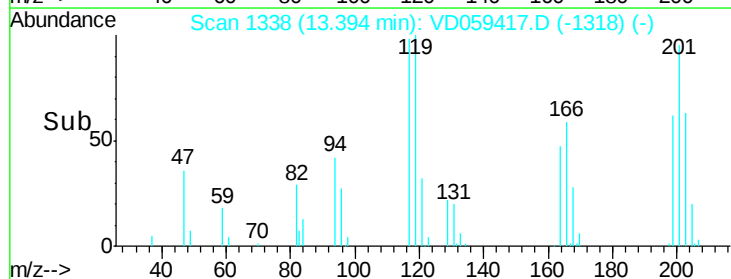
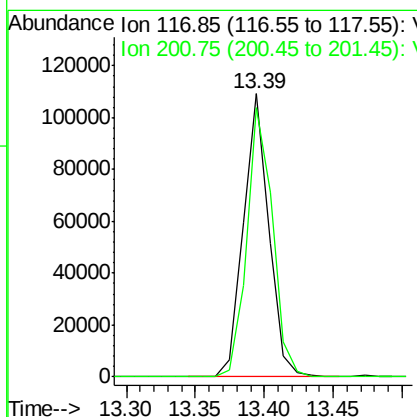
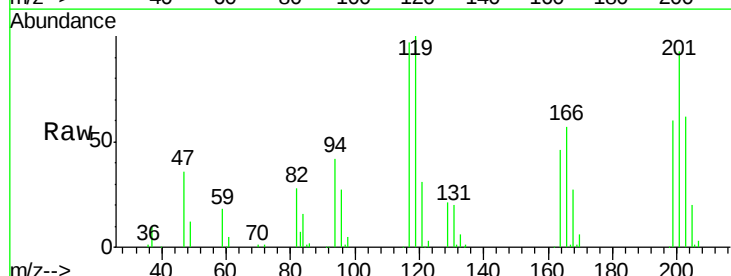
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBS01

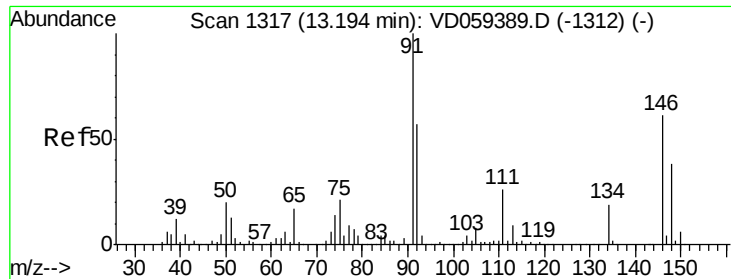
Tot Ion: 91 Resp: 561573
Ion Ratio Lower Upper
91 100
92 56.6 28.8 86.5
134 20.5 11.9 35.7



#90
Hexachloroethane
Concen: 24.93 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

Tgt Ion: 117 Resp: 140444
Ion Ratio Lower Upper
117 100
201 95.0 40.1 120.3

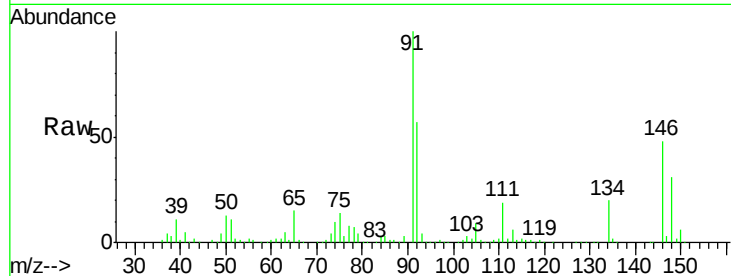




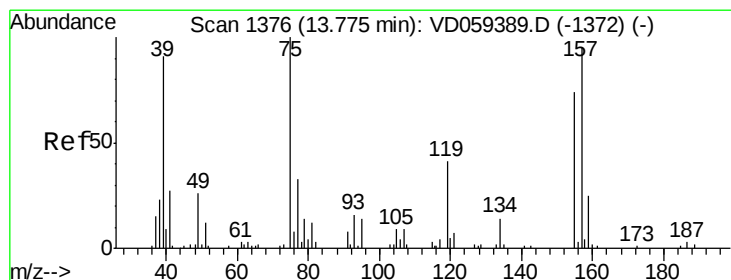
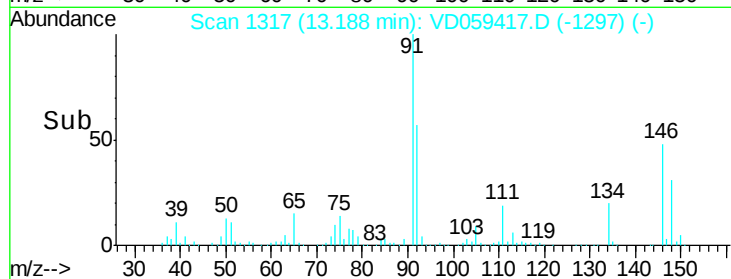
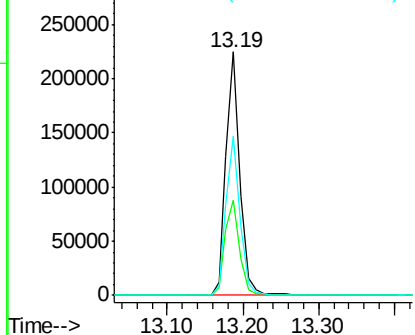
#91
 1,2-Dichlorobenzene
 Concen: 24.33 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

Tot Ion:146 Resp: 287984
 Ion Ratio Lower Upper
 146 100
 111 38.9 21.4 64.2
 148 65.3 31.6 95.0

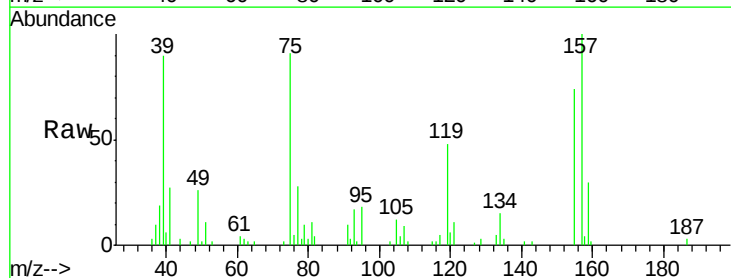


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

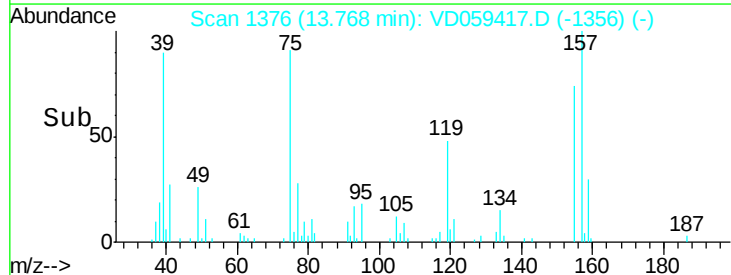
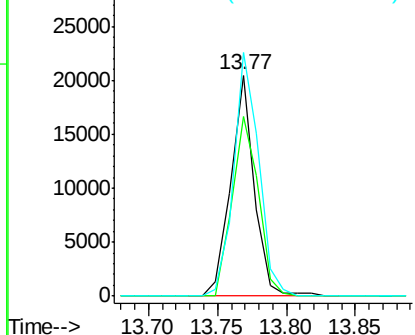


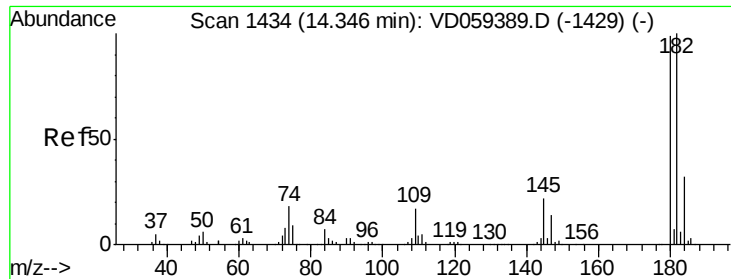
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.37 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

Tgt Ion: 75 Resp: 24375
 Ion Ratio Lower Upper
 75 100
 155 81.1 37.2 111.6
 157 110.1 47.4 142.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

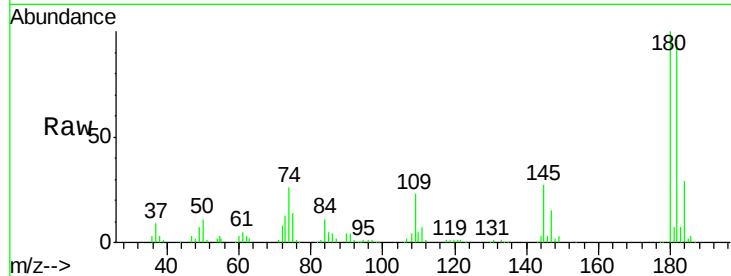




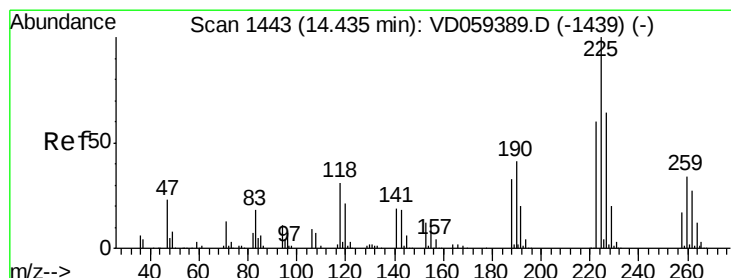
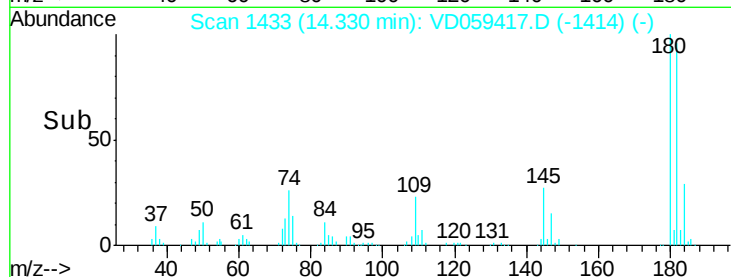
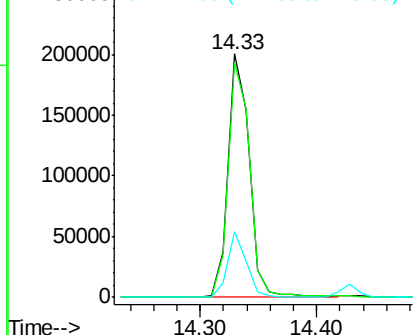
#93
 1,2,4-Trichlorobenzene
 Concen: 23.21 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

Tot Ion:180 Resp: 253942
 Ion Ratio Lower Upper
 180 100
 182 96.3 50.4 151.2
 145 27.2 11.0 33.0

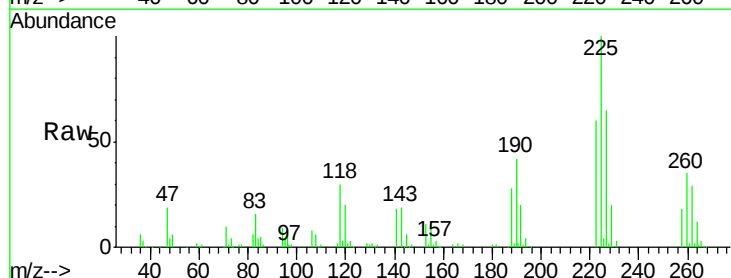


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

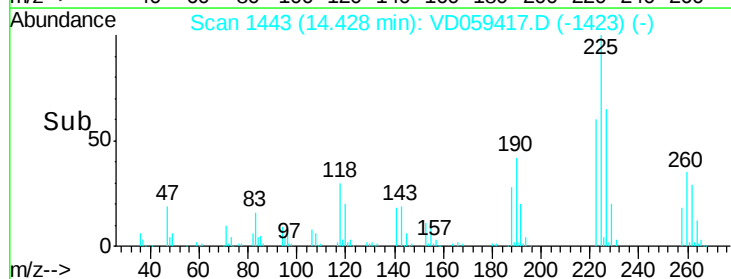
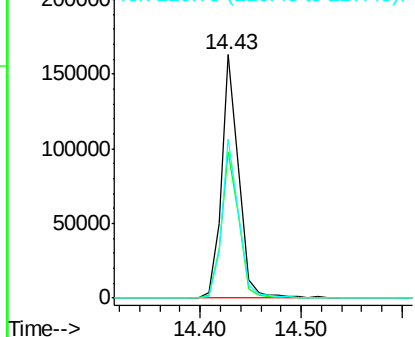


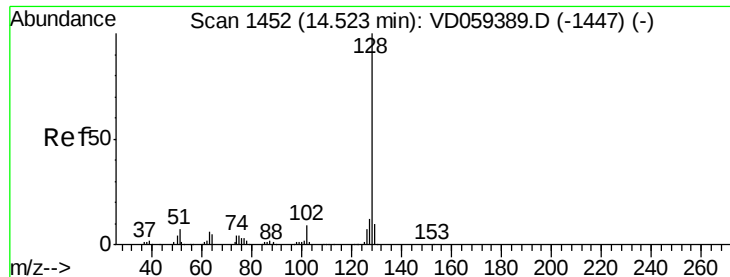
#94
 Hexachlorobutadiene
 Concen: 23.53 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

Tgt Ion:225 Resp: 193751
 Ion Ratio Lower Upper
 225 100
 223 59.9 30.0 90.1
 227 65.2 32.1 96.5



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 23.79 ug/l

RT: 14.51 min Scan# 1451

Delta R.T. -0.02 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

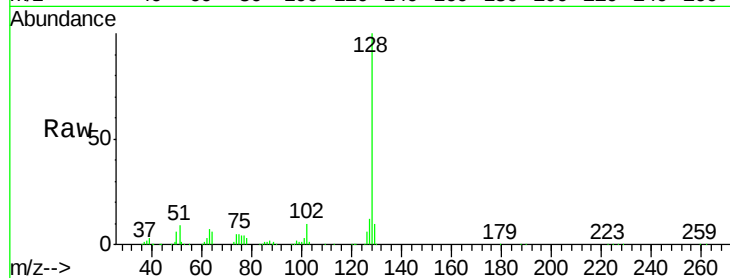
Tot Ion:128 Resp: 362777

Ion Ratio Lower Upper

128 100

127 12.2 9.6 14.4

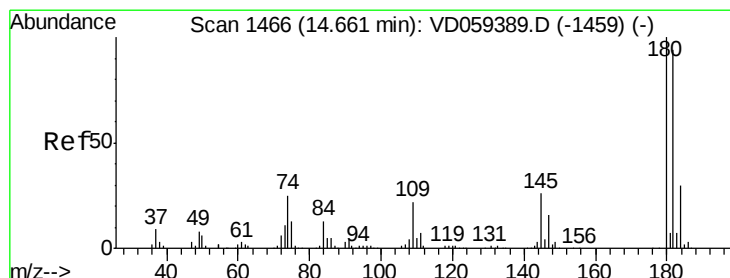
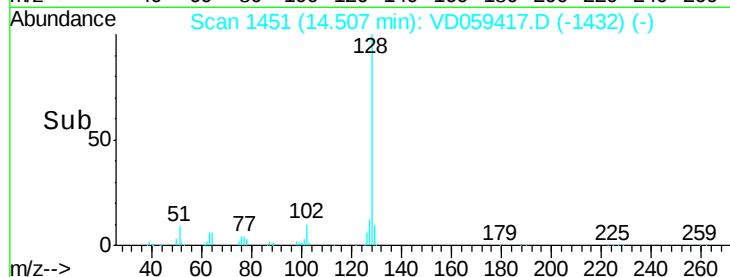
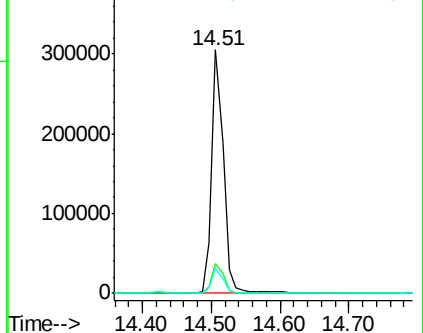
129 10.3 8.2 12.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.54 ug/l

RT: 14.65 min Scan# 1466

Delta R.T. -0.01 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

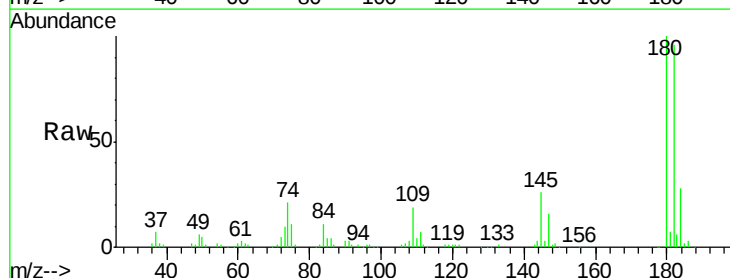
Tgt Ion:180 Resp: 231593

Ion Ratio Lower Upper

180 100

182 95.9 47.1 141.4

145 25.8 13.1 39.3



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

