

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 :

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						
			Recovery	=	98.40%	
35) Dibromofluoromethane	5.54	113	472088	47.75	ug/l	-0.02
Spiked Amount						
			Recovery	=	95.50%	
50) Toluene-d8	8.70	98	1069587	46.27	ug/l	-0.02
Spiked Amount						
			Recovery	=	92.54%	
62) 4-Bromofluorobenzene	11.93	95	432756	45.01	ug/l	0.00
Spiked Amount						
			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

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 :

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

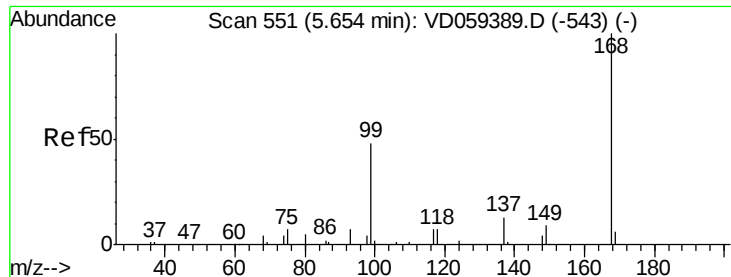
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062618\
Data File : VD059417.D
Acq On : 26 Jun 2018 11:27
Operator : VA/AP
Sample : VD0626SBS01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 26 13:25:14 2018
Quant Method : Z:\V0ASRV\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

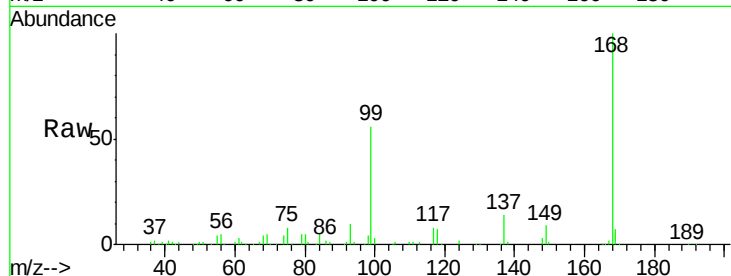
ClientSampleId :

Tot Ion:168 Resp: 905499

Ion Ratio Lower Upper

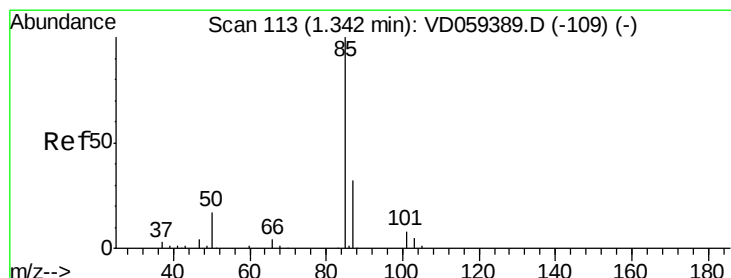
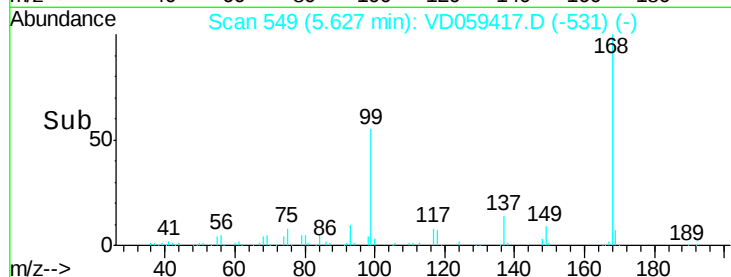
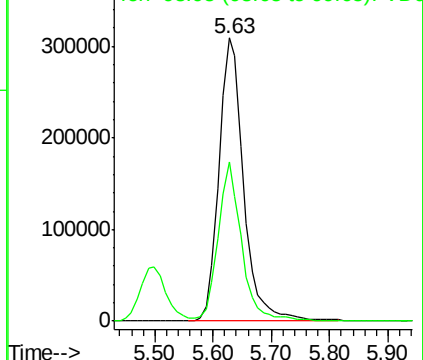
168 100

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

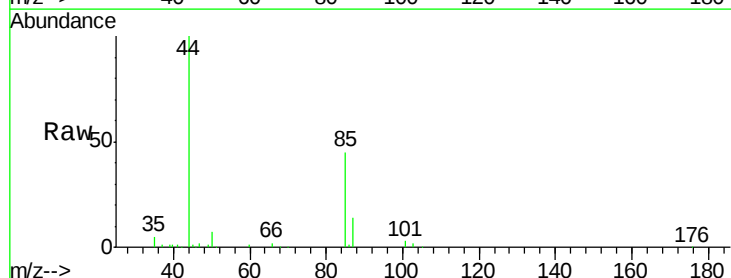
Acq: 26 Jun 2018 11:27

Tgt Ion: 85 Resp: 210791

Ion Ratio Lower Upper

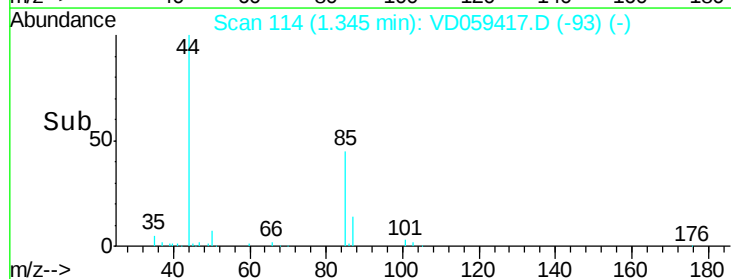
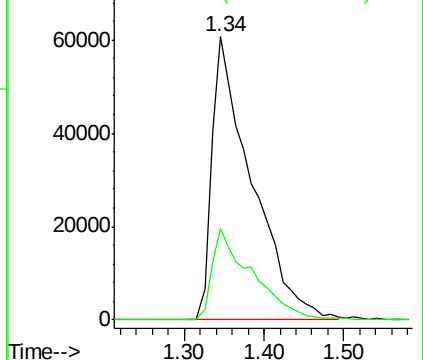
85 100

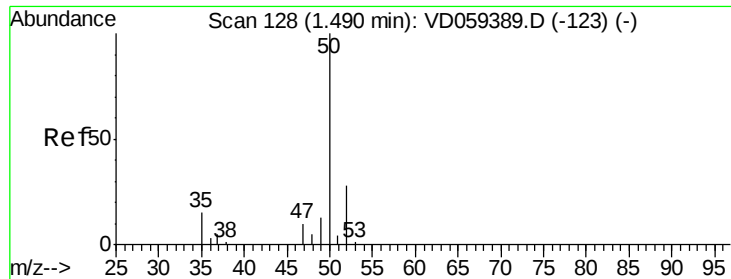
87 32.2 16.2 48.6



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

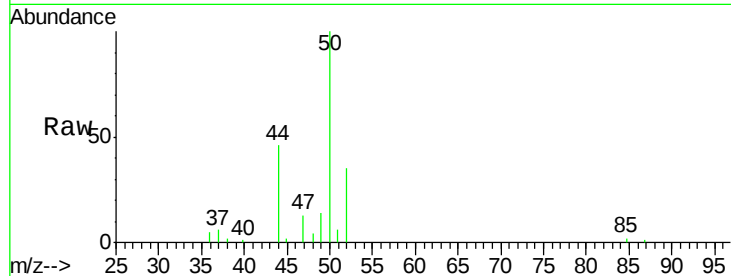
ClientSampled :

Tot Ion: 50 Resp: 98347

Ion Ratio Lower Upper

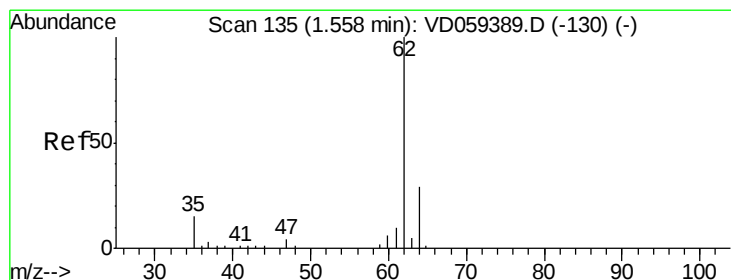
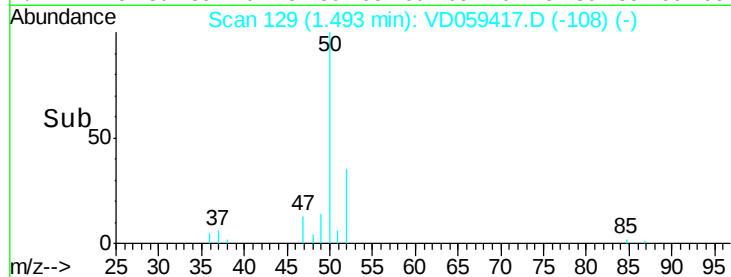
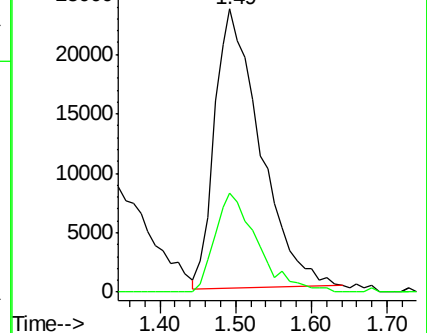
50 100

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

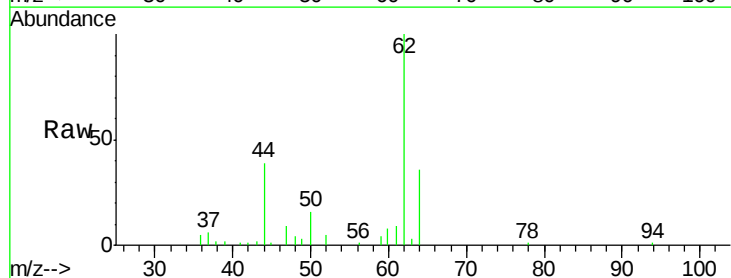
Acq: 26 Jun 2018 11:27

Tgt Ion: 62 Resp: 103110

Ion Ratio Lower Upper

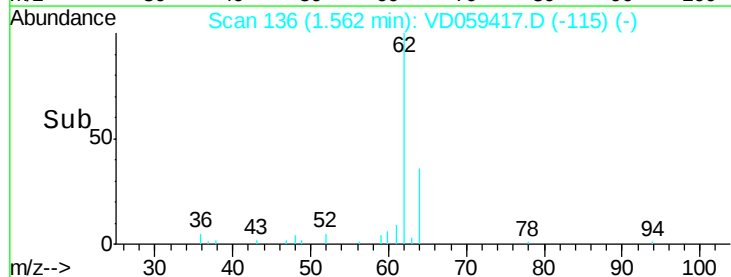
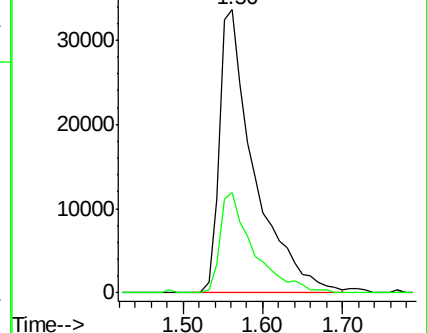
62 100

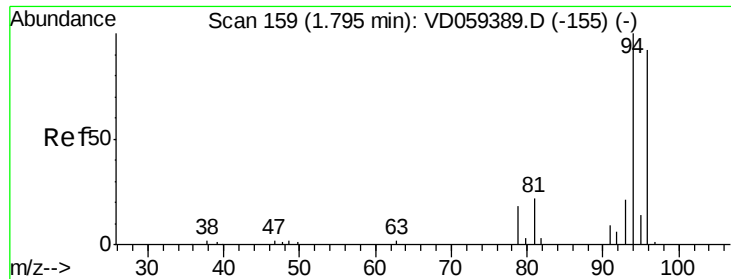
64 35.5 23.0 34.6#



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

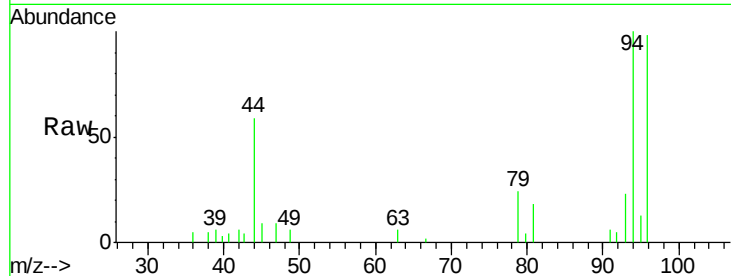
ClientSampleId :

Tot Ion: 94 Resp: 31525

Ion Ratio Lower Upper

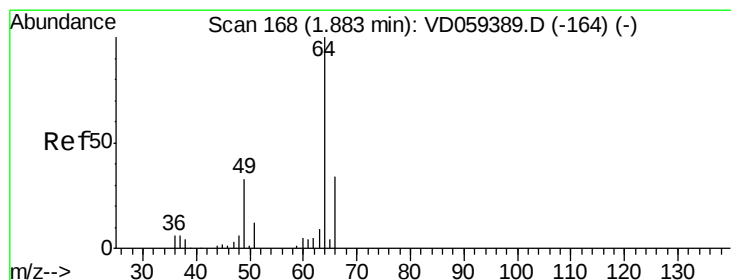
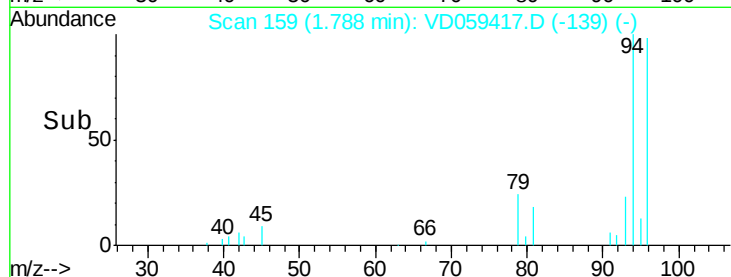
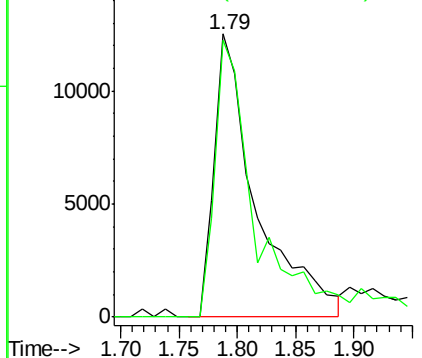
94 100

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

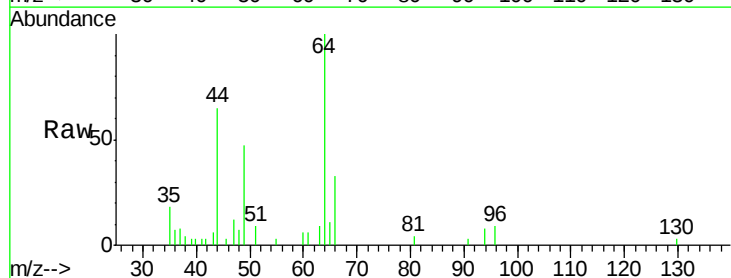
Acq: 26 Jun 2018 11:27

Tgt Ion: 64 Resp: 35125

Ion Ratio Lower Upper

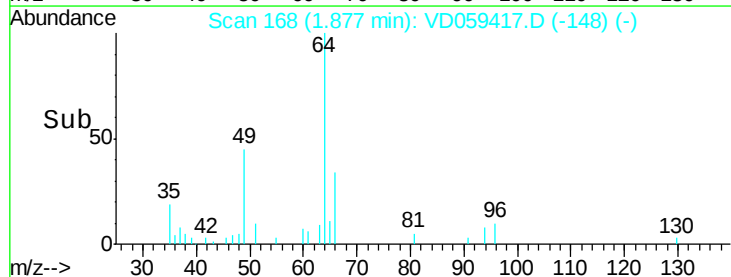
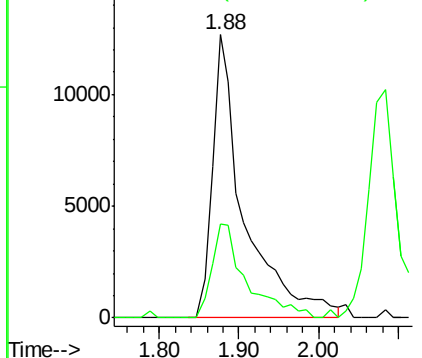
64 100

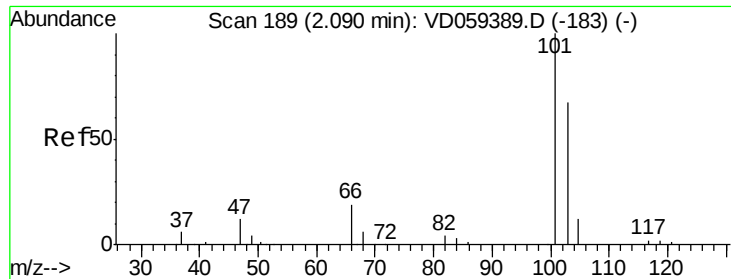
66 33.0 27.1 40.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



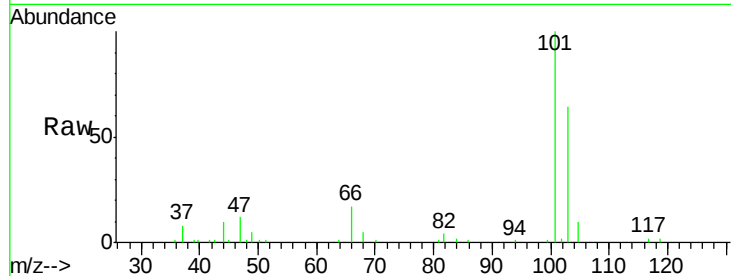


#7

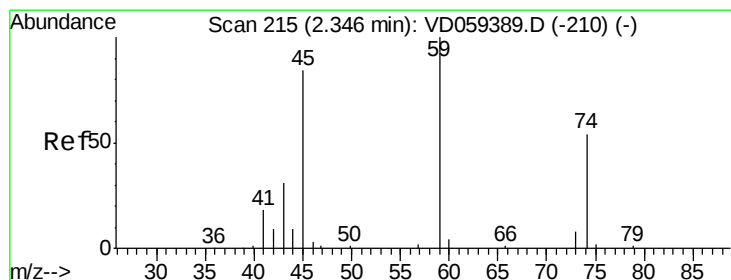
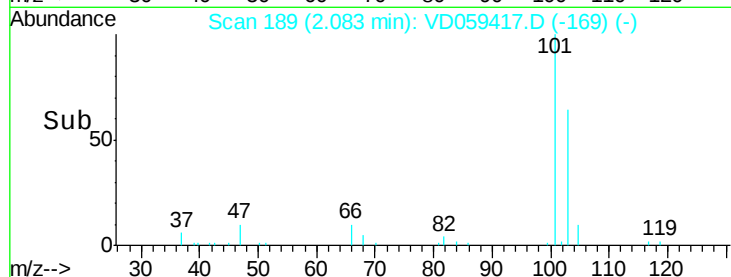
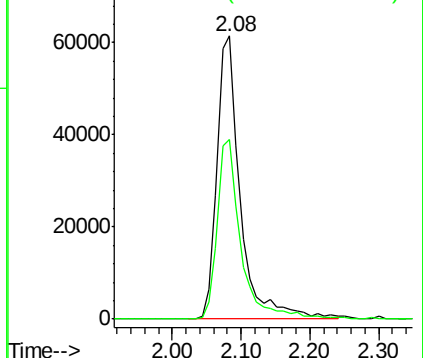
Trichlorofluoromethane
 Concen: 23.11 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. -0.01 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

Instrument :
 MSVOA_D
 ClientSampleId :

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



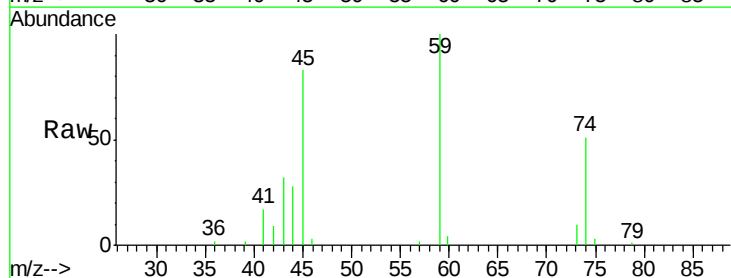
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



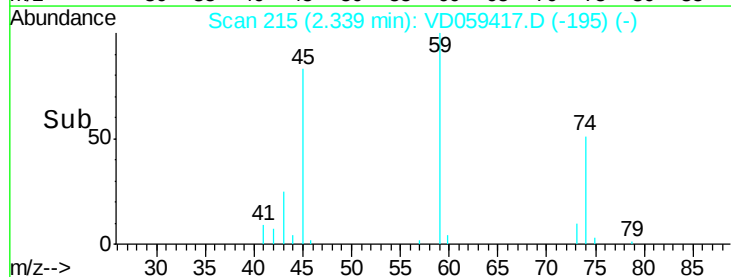
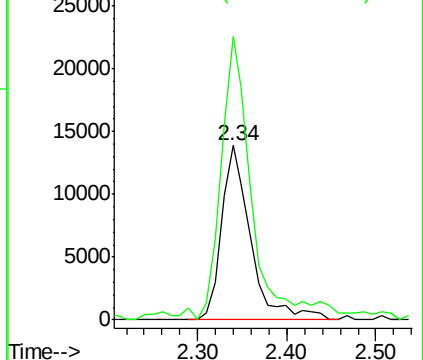
#8

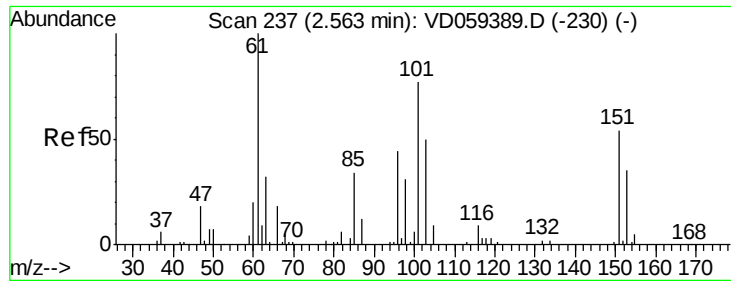
Diethyl Ether
 Concen: 22.45 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. -0.01 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

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

ClientSampled :

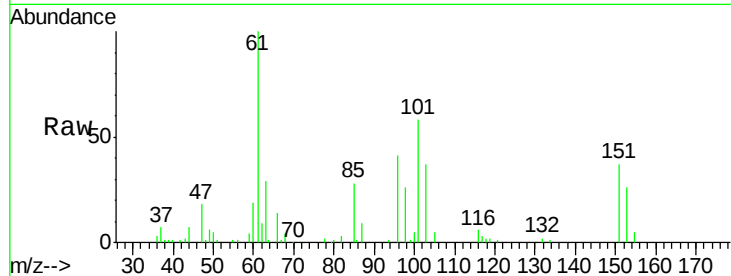
Tot Ion:101 Resp: 98293

Ion Ratio Lower Upper

101 100

85 47.5 35.7 53.5

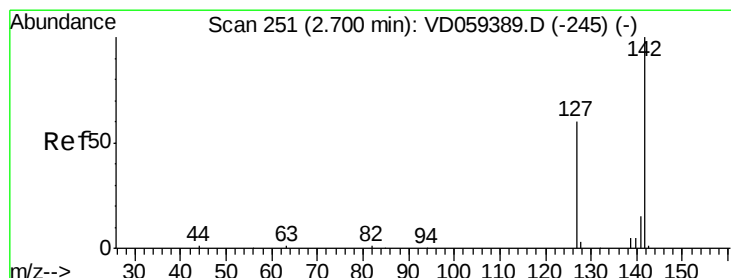
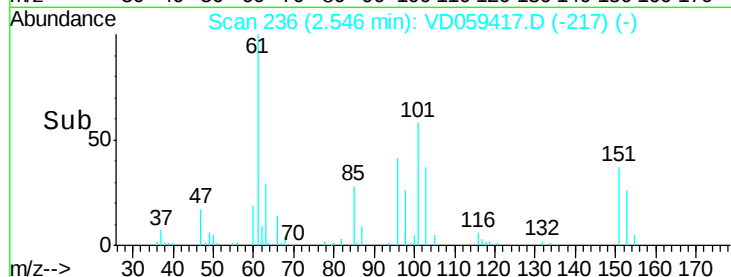
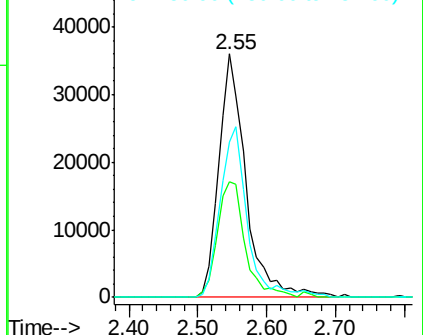
151 63.9 55.8 83.8



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

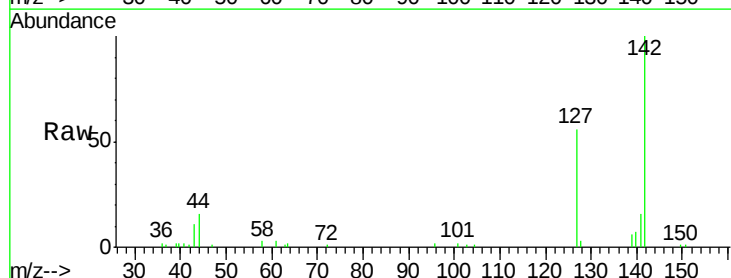
Tgt Ion:142 Resp: 96334

Ion Ratio Lower Upper

142 100

127 56.5 48.4 72.6

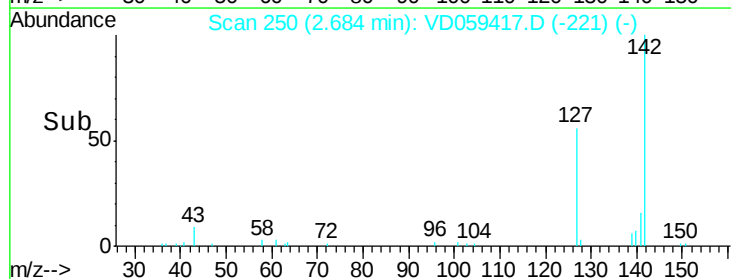
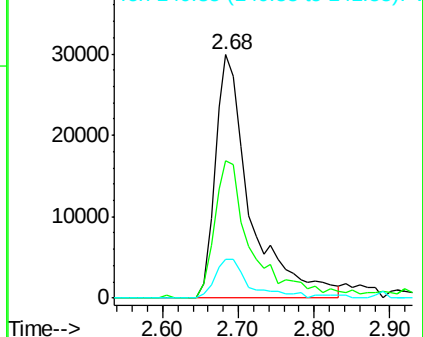
141 16.2 12.1 18.1

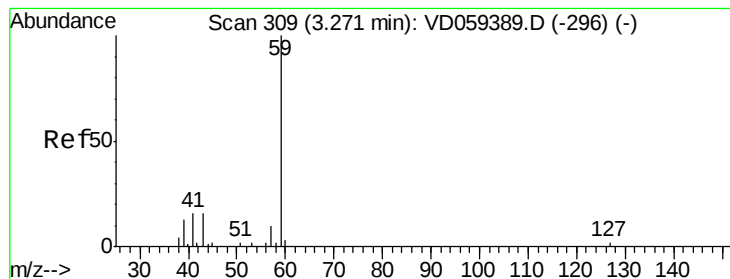


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



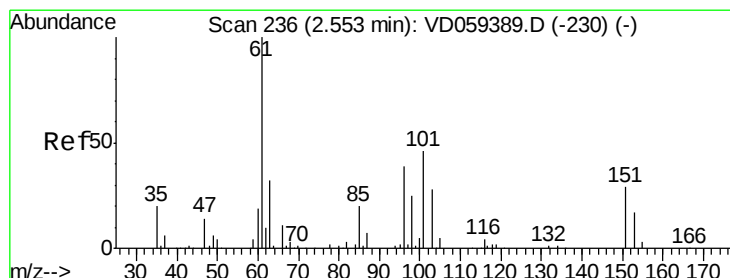
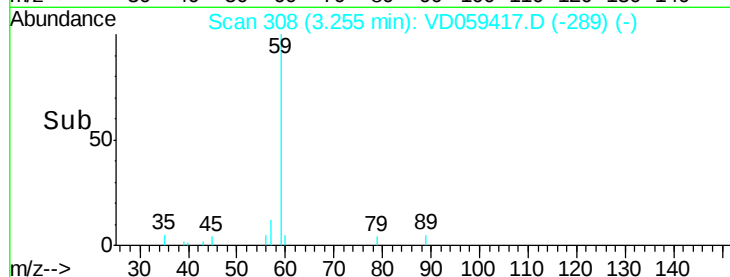
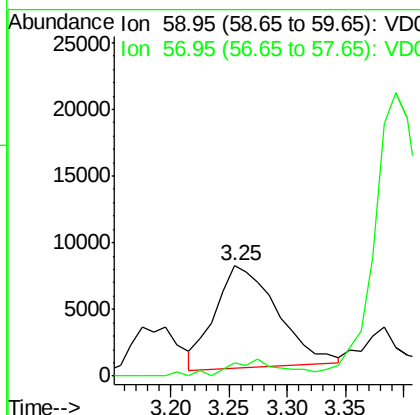
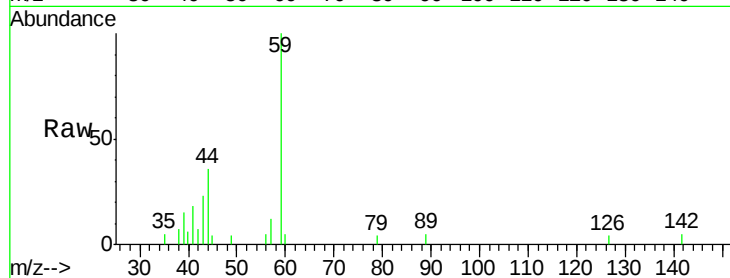


#11

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 :

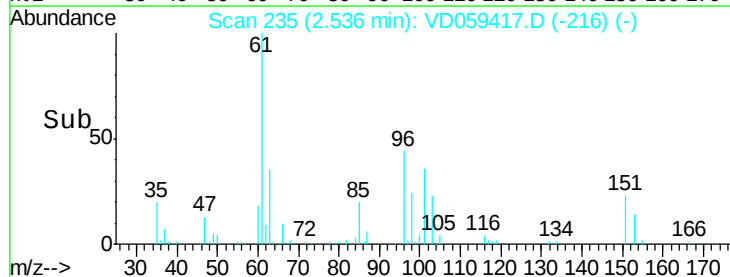
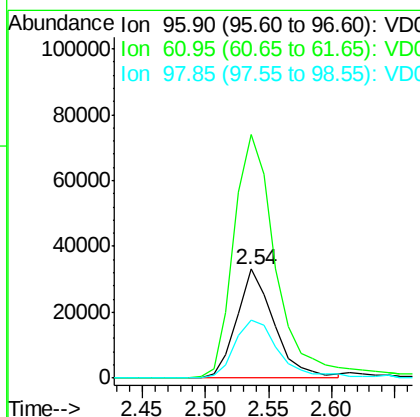
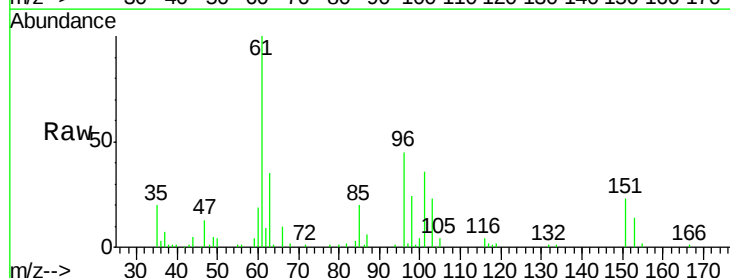
Tot Ion: 59 Resp: 28323
Ion Ratio Lower Upper
59 100
57 12.5 8.3 12.5#

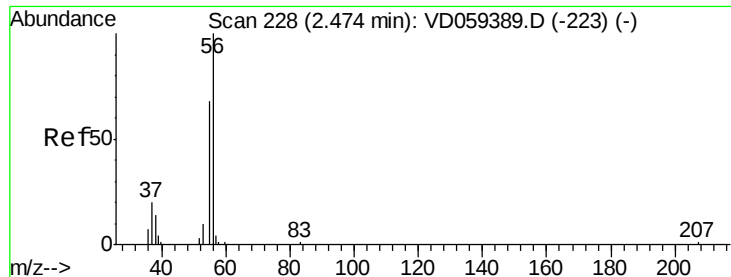


#12

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

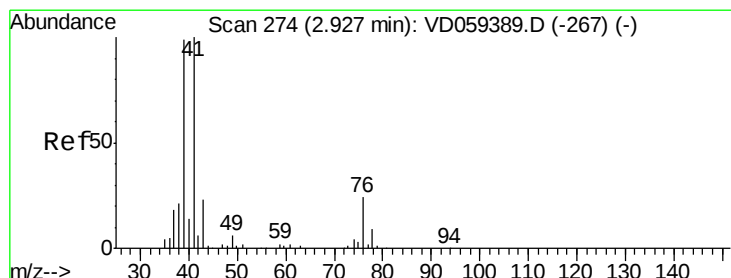
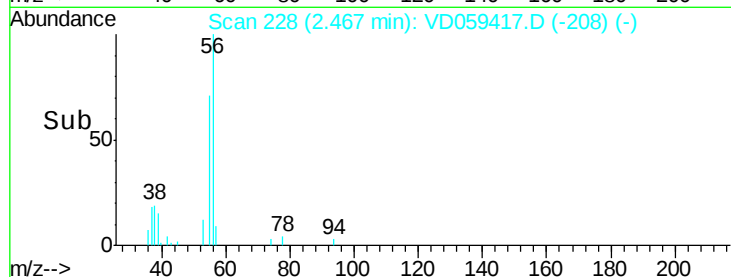
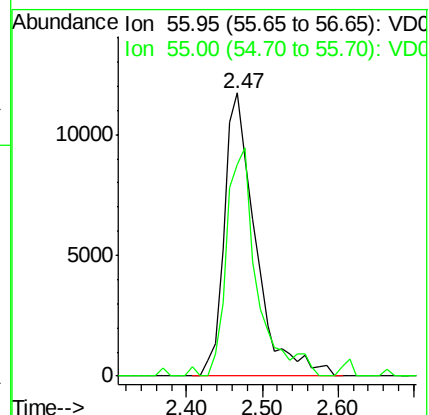
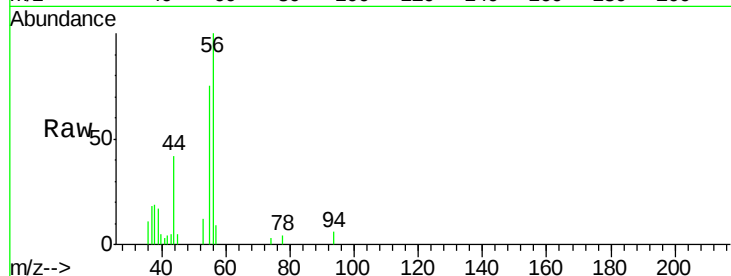
ClientSampleId :

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

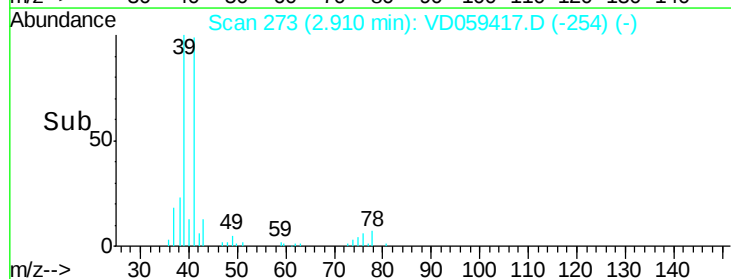
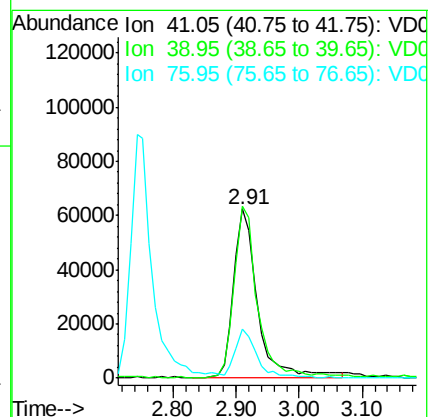
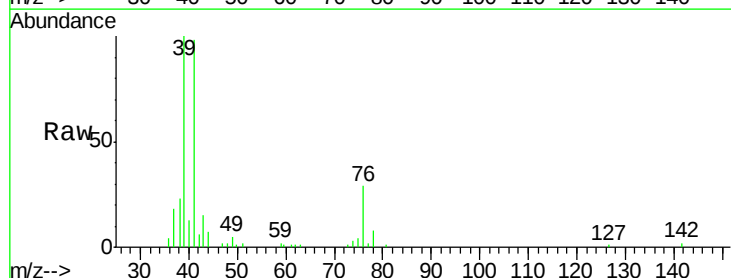
Tgt Ion: 41 Resp: 165307

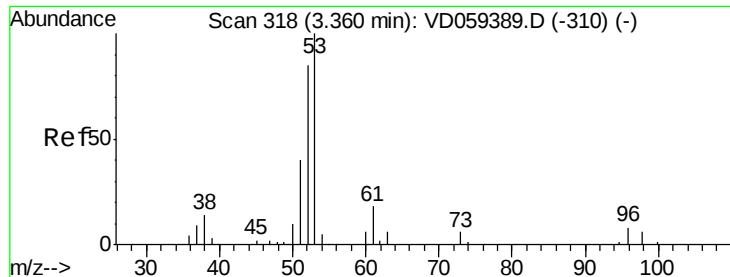
Ion Ratio Lower Upper

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 :

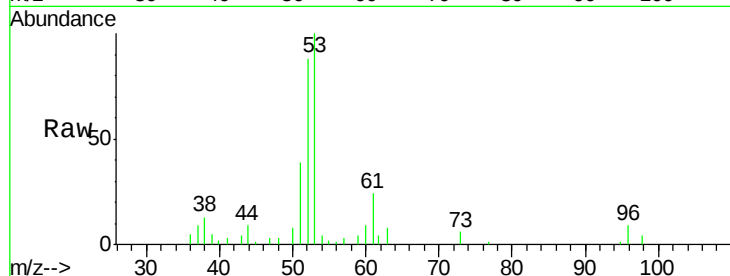
Tot Ion: 53 Resp: 107286

Ion Ratio Lower Upper

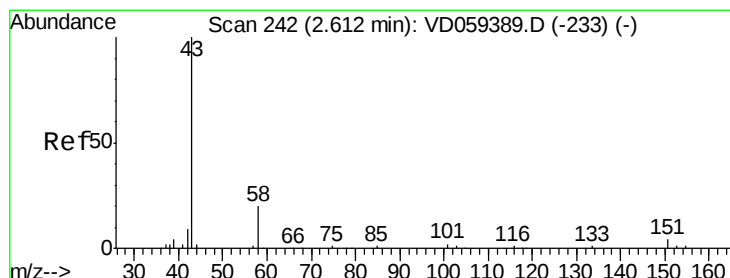
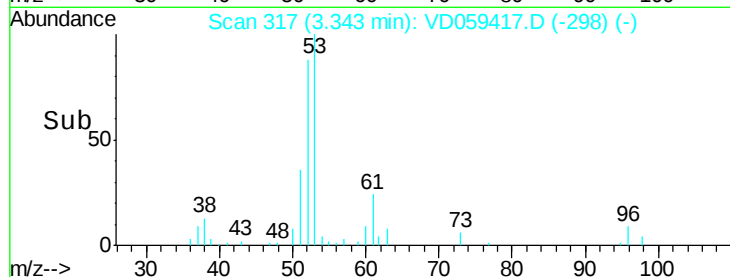
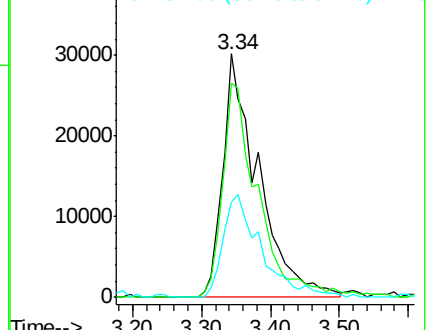
53 100

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

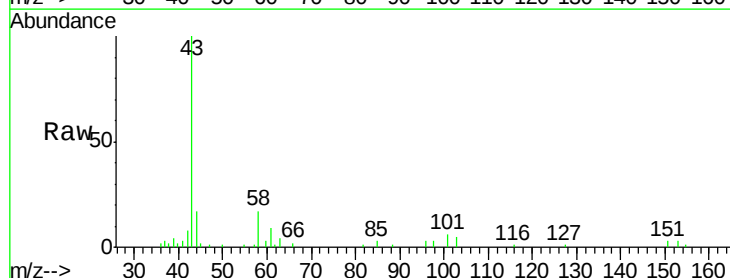
Acq: 26 Jun 2018 11:27

Tgt Ion: 43 Resp: 125733

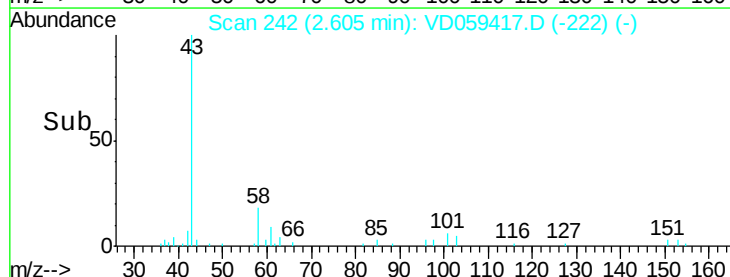
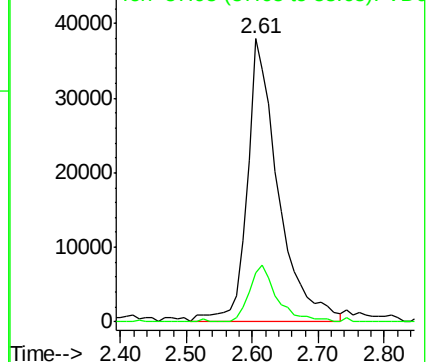
Ion Ratio Lower Upper

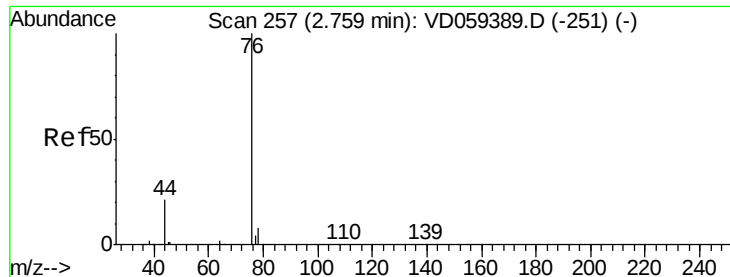
43 100

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

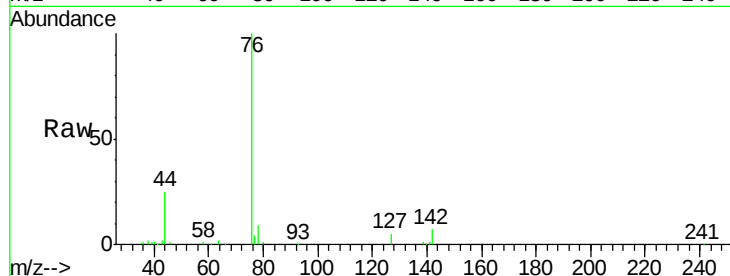
ClientSampled :

Tot Ion: 76 Resp: 217682

Ion Ratio Lower Upper

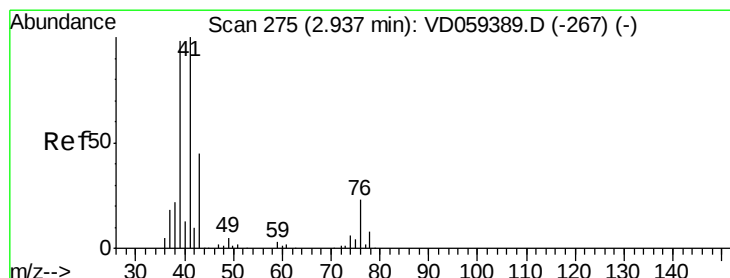
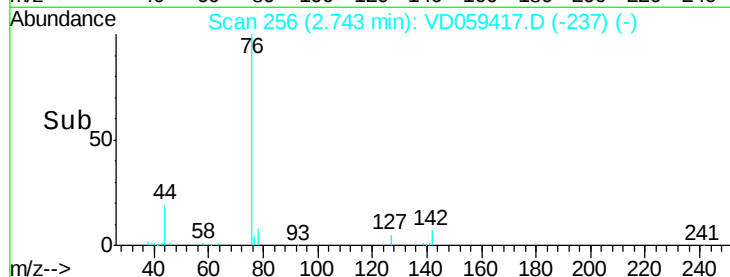
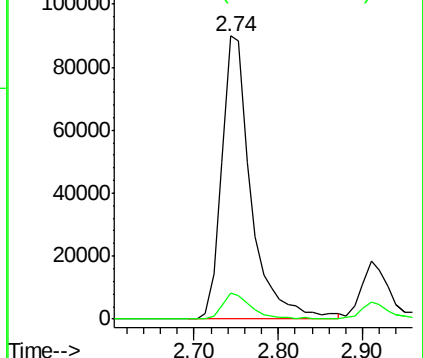
76 100

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

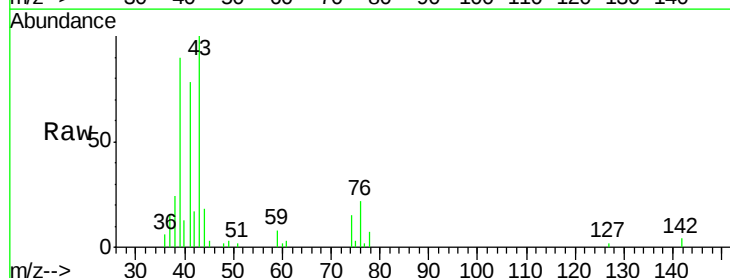
Acq: 26 Jun 2018 11:27

Tgt Ion: 43 Resp: 59783

Ion Ratio Lower Upper

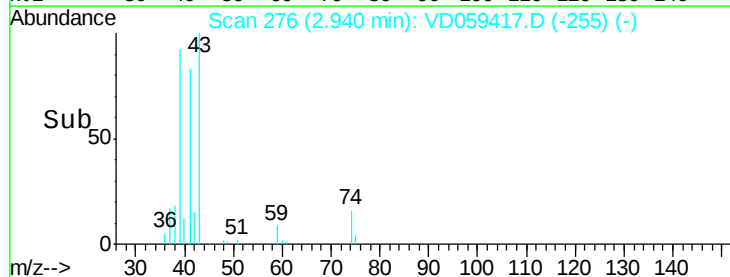
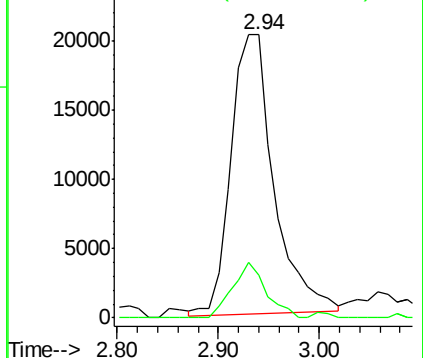
43 100

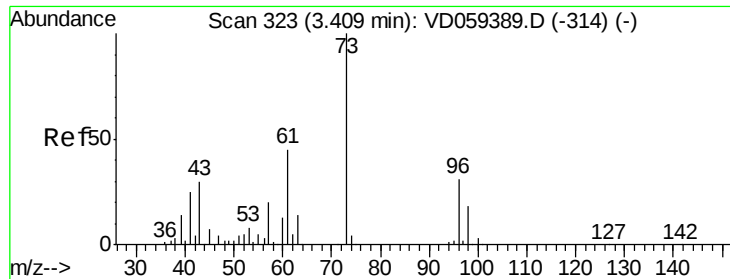
74 15.0 11.0 16.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

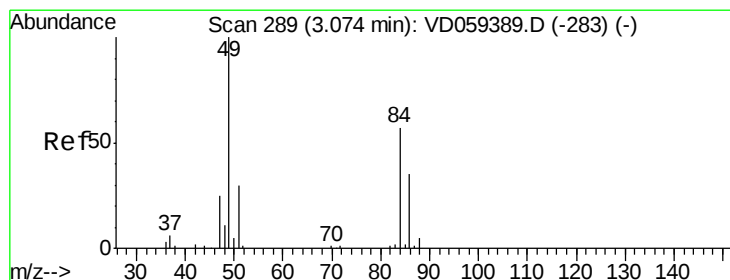
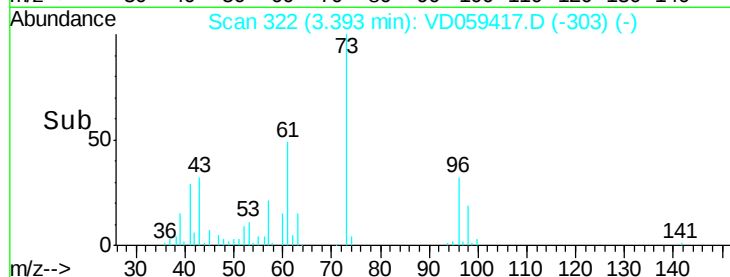
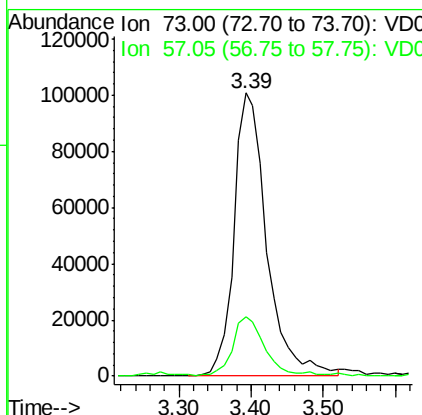
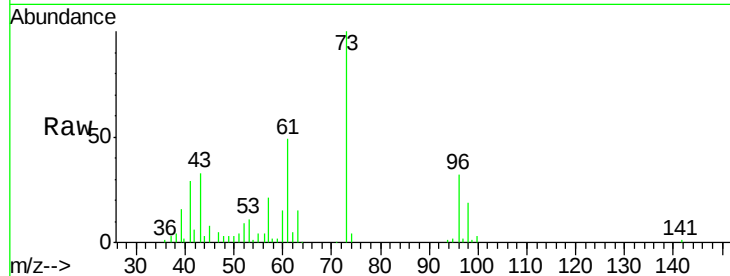




#19
Methvl tert-butvl Ether
Concen: 21.75 ug/l
RT: 3.39 min Scan# 322
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

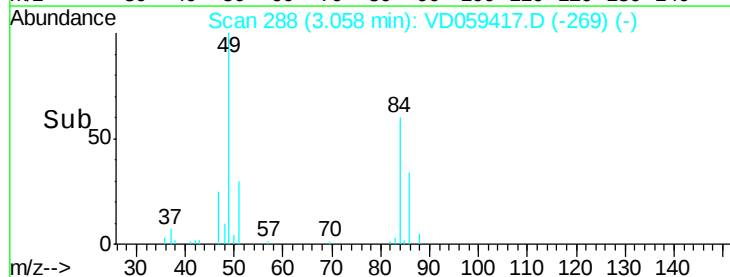
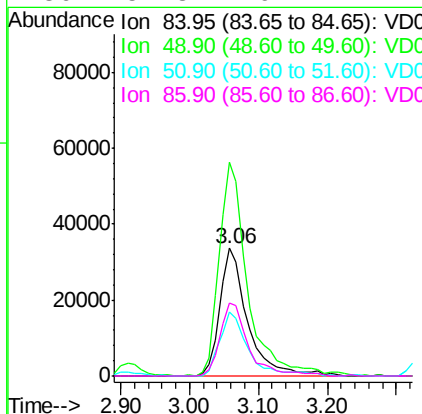
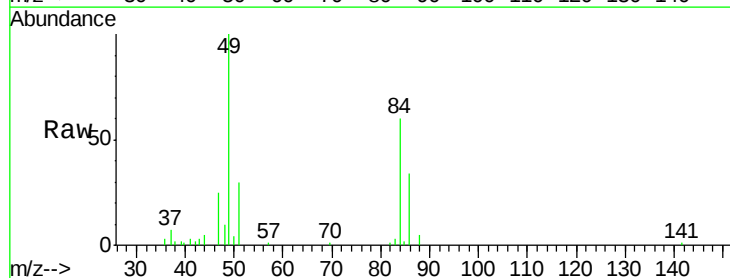
Instrument :
MSVOA_D
ClientSampled :

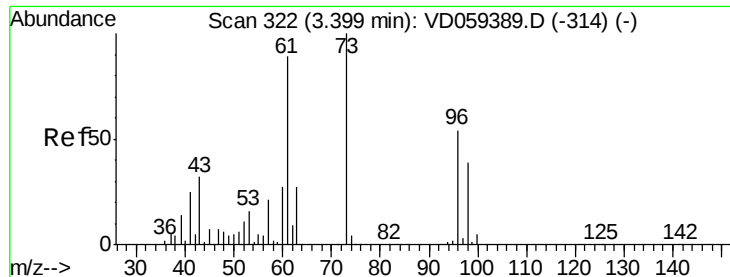
Tot Ion: 73 Resp: 319381
Ion Ratio Lower Upper
73 100
57 21.1 16.1 24.1



#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 :

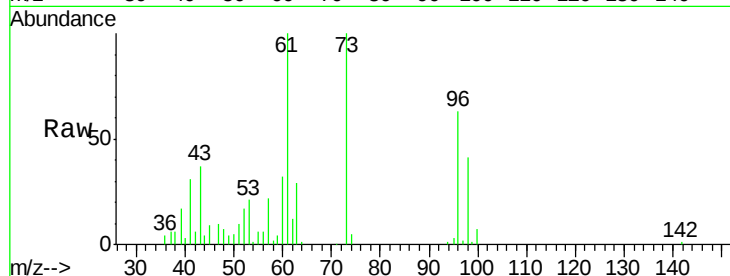
Tot Ion: 96 Resp: 125745

Ion Ratio Lower Upper

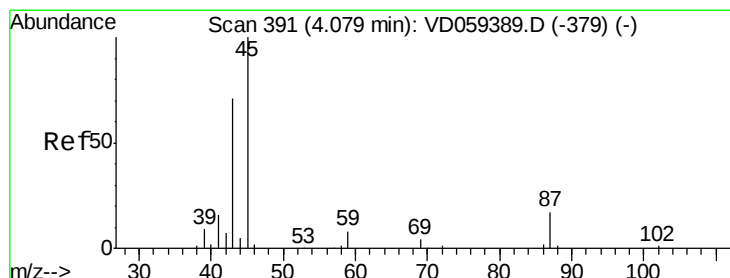
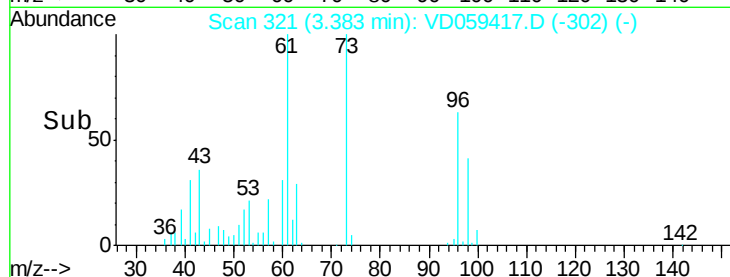
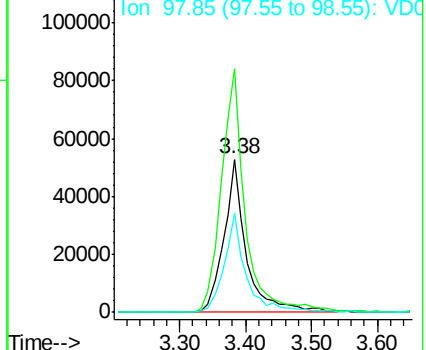
96 100

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

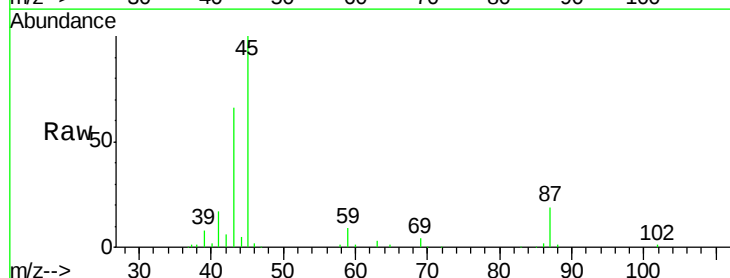
Ion Ratio Lower Upper

45 100

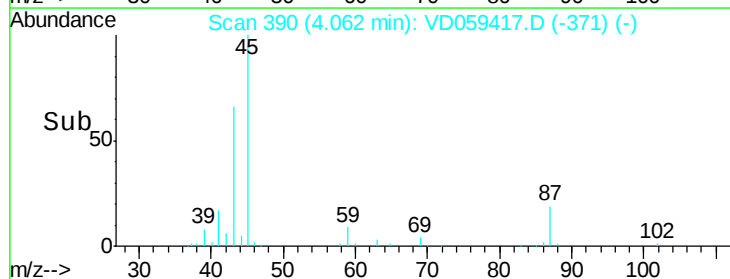
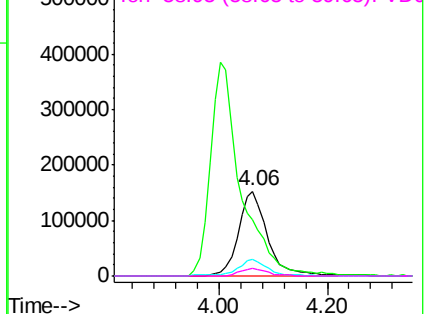
43 66.5 56.9 85.3

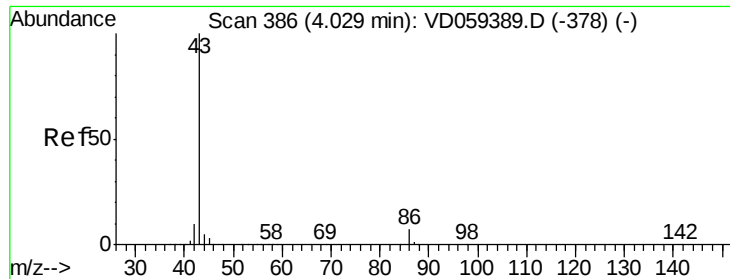
87 19.1 14.2 21.4

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

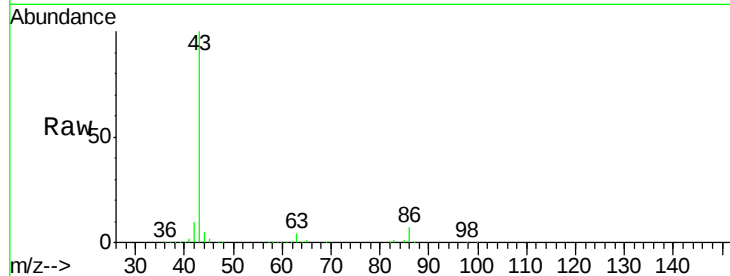
ClientSampled :

Tot Ion: 43 Resp: 1485591

Ion Ratio Lower Upper

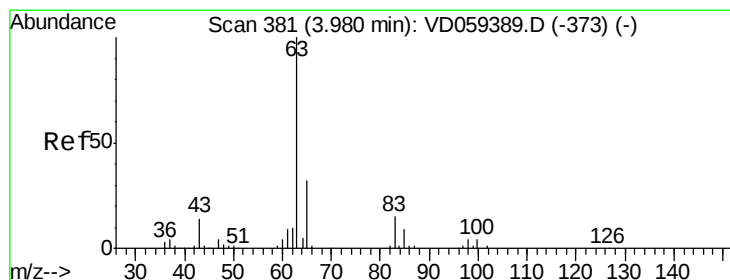
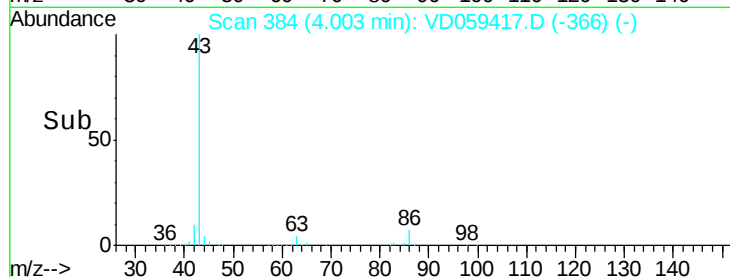
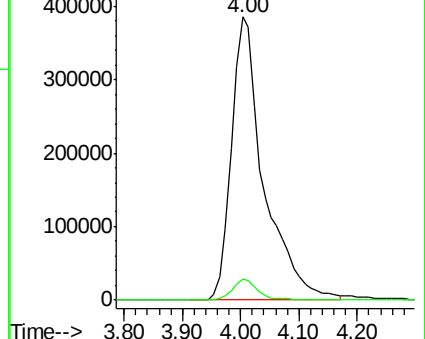
43 100

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

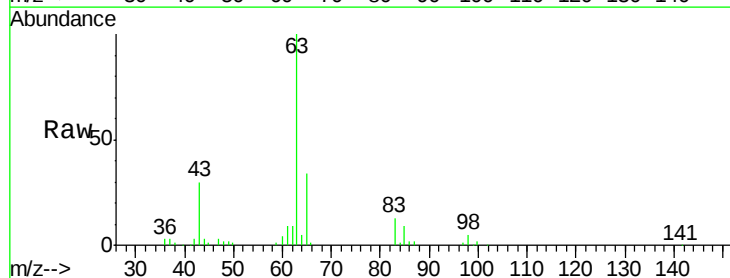
Tgt Ion: 63 Resp: 344351

Ion Ratio Lower Upper

63 100

98 5.0 2.1 6.5

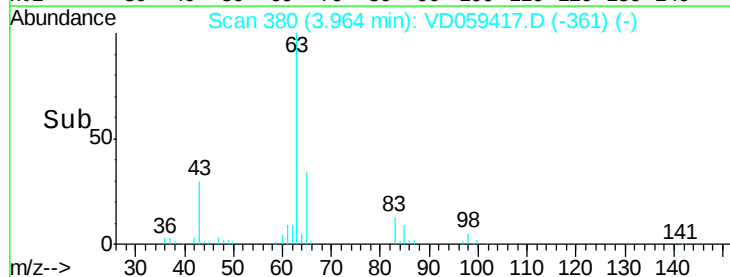
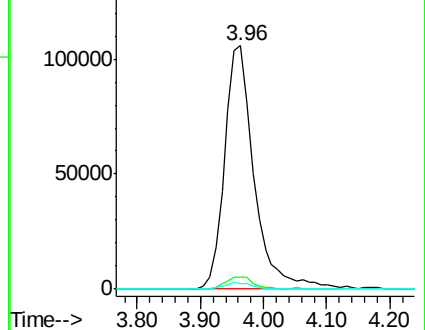
100 2.4 1.8 5.5

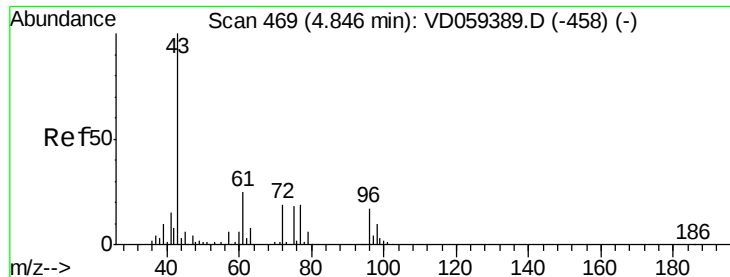


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

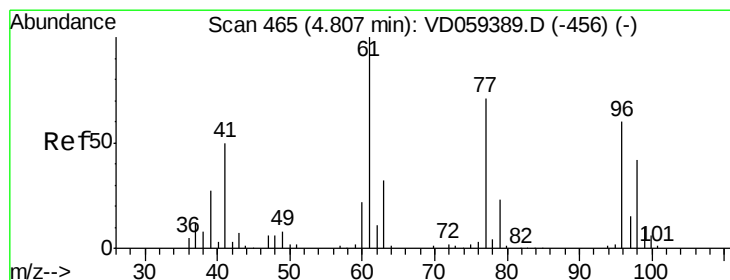
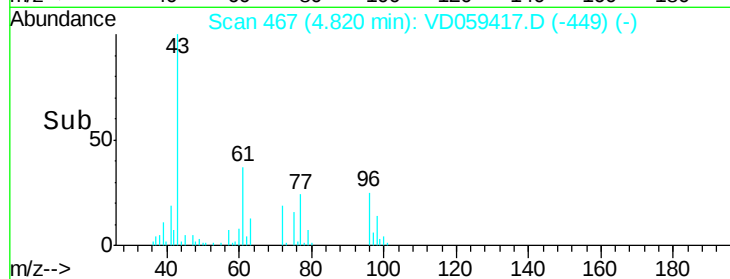
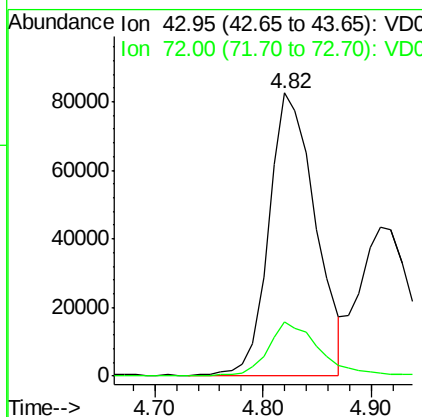
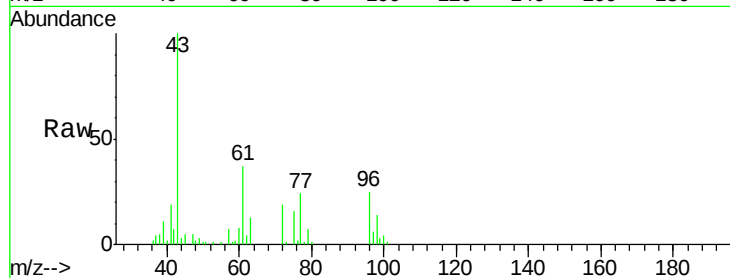




#25
2-Butanone
Concen: 101.76 ug/l
RT: 4.82 min Scan# 467
Delta R.T. -0.03 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

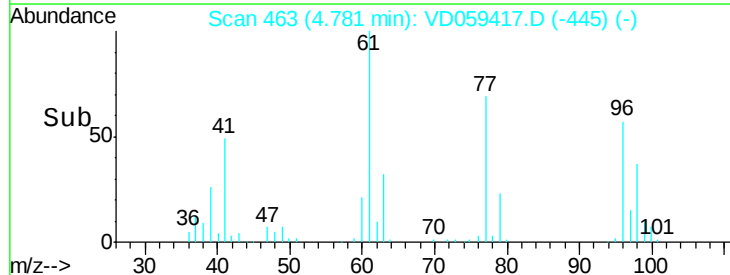
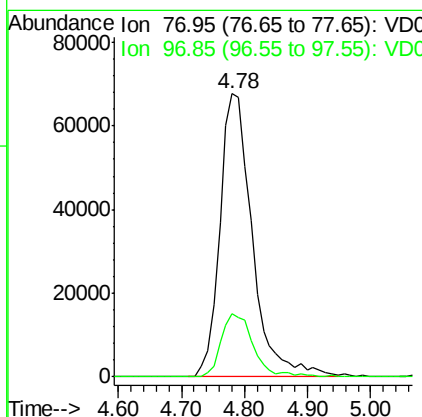
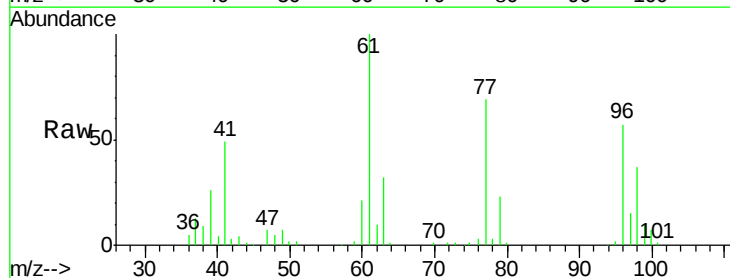
Instrument :
MSVOA_D
ClientSampled :

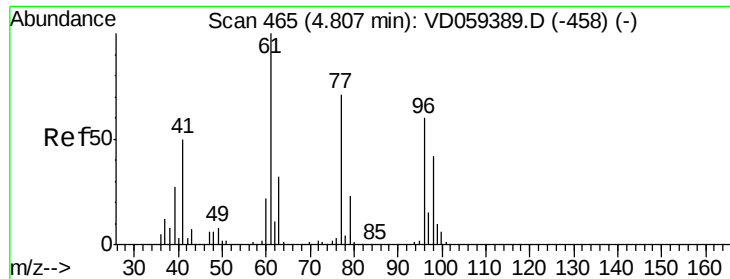
Tot Ion: 43 Resp: 249128
Ion Ratio Lower Upper
43 100
72 19.0 15.4 23.2



#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 :

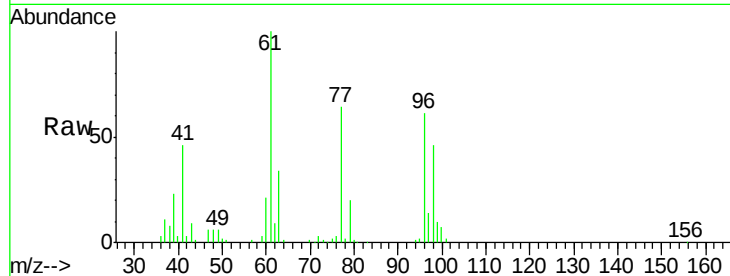
Tot Ion: 96 Resp: 193187

Ion Ratio Lower Upper

96 100

61 163.4 0.0 335.8

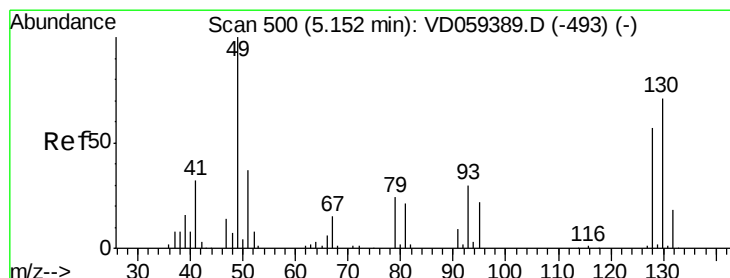
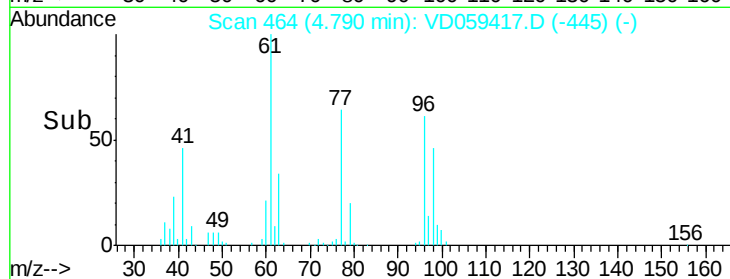
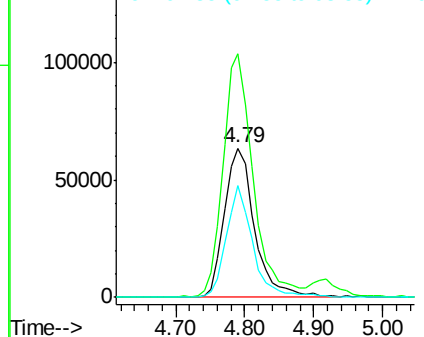
98 74.7 0.0 141.0



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

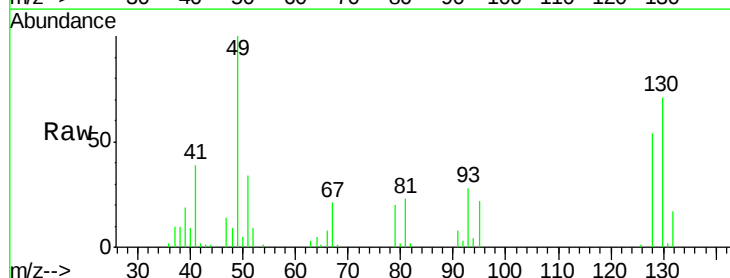
Tgt Ion: 49 Resp: 147627

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

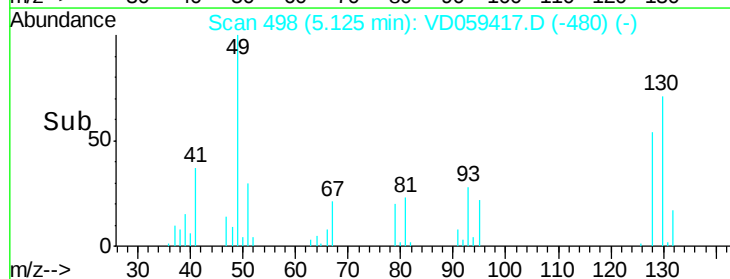
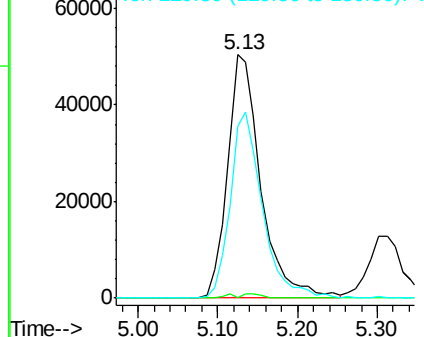
130 70.9 57.0 85.6

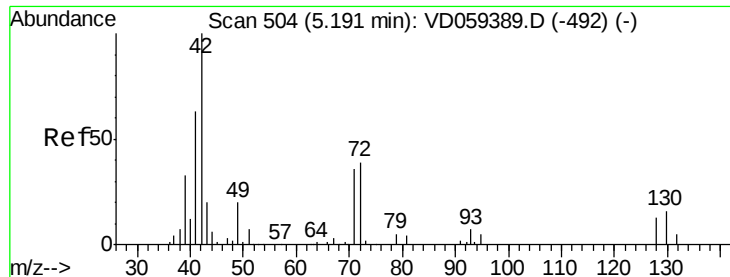


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC

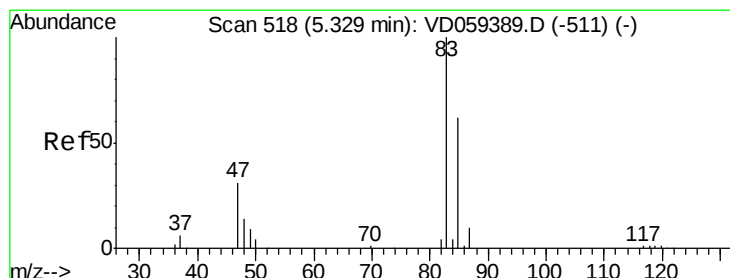
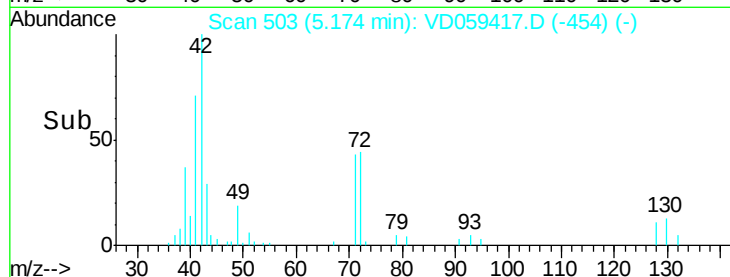
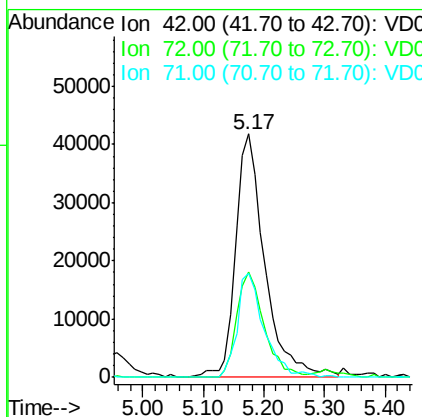
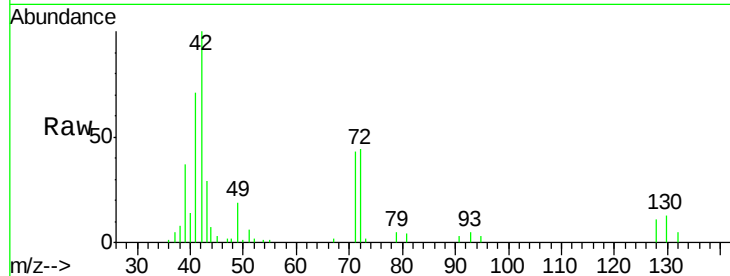




#29
Tetrahydrofuran
Concen: 104.79 ug/l
RT: 5.17 min Scan# 503
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

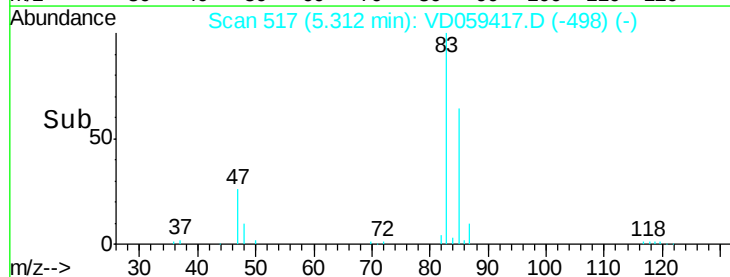
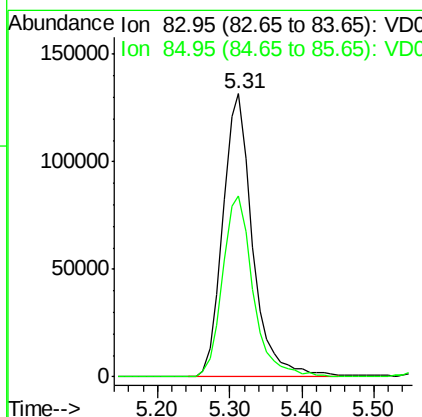
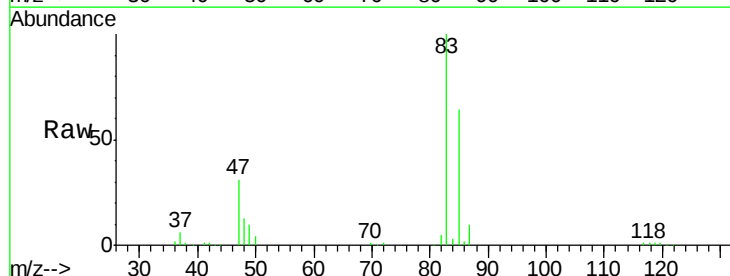
Instrument :
MSVOA_D
ClientSampled :

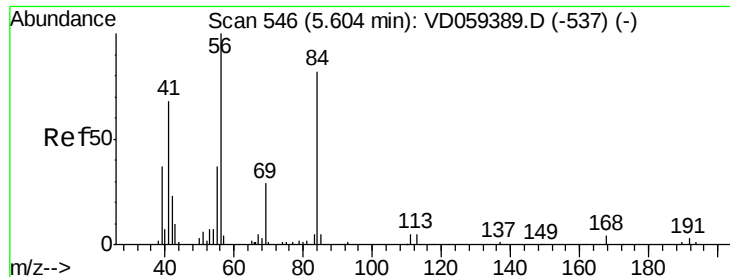
Tot Ion: 42 Resp: 140331
Ion Ratio Lower Upper
42 100
72 40.6 31.4 47.2
71 38.3 29.7 44.5



#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

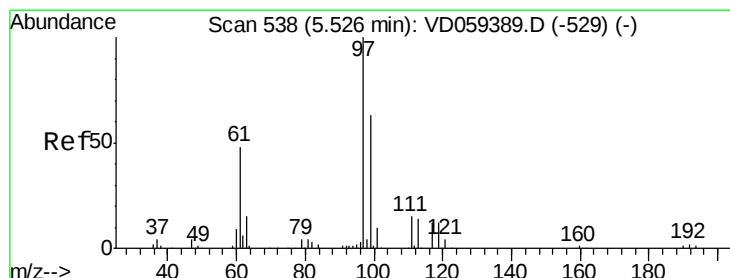
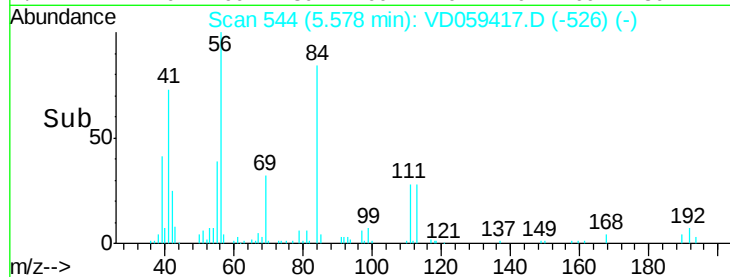
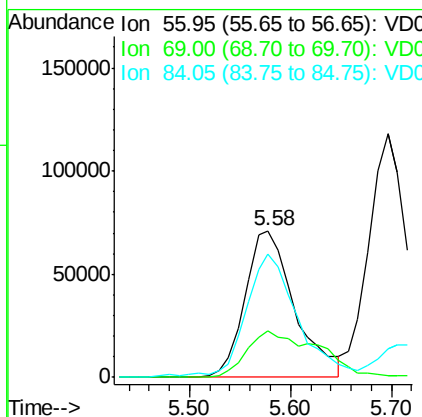
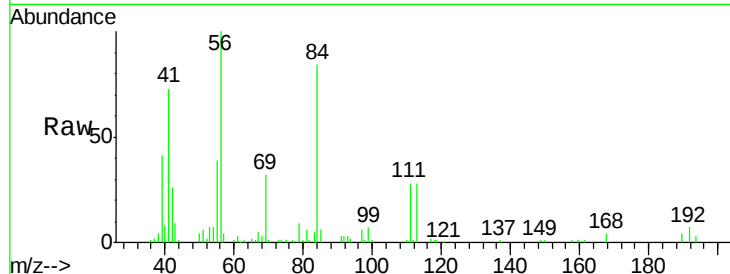




#31
Cyclohexane
Concen: 22.92 ug/l
RT: 5.58 min Scan# 544
Delta R.T. -0.03 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

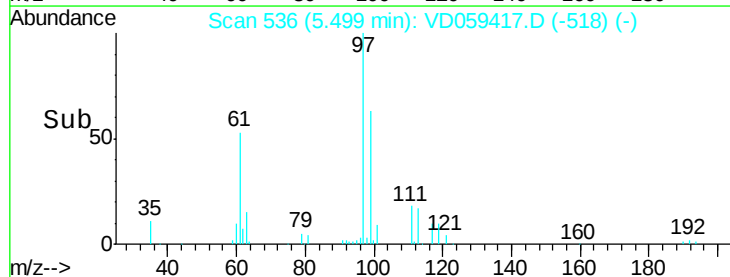
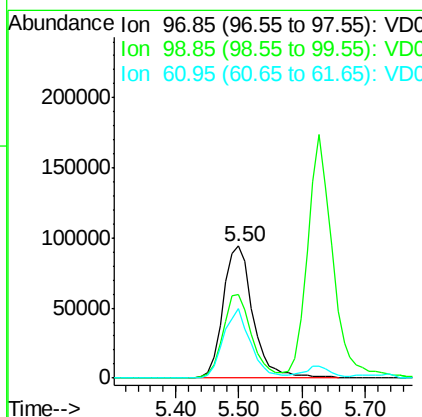
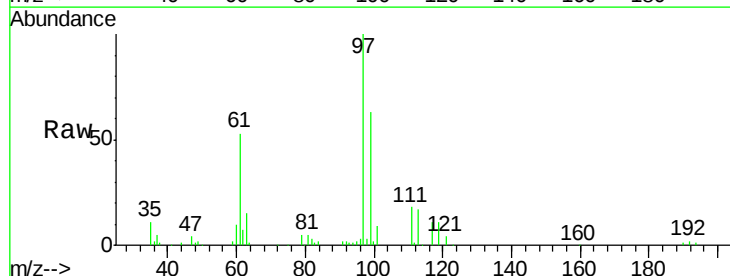
Instrument :
MSVOA_D
ClientSampleId :

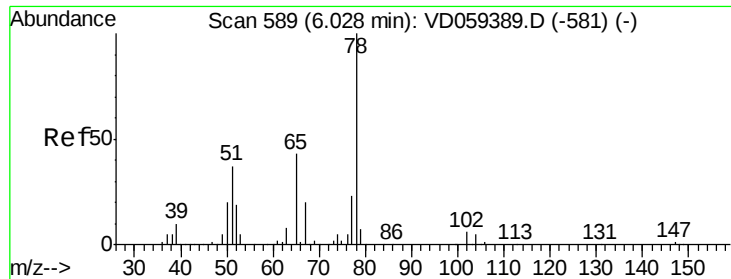
Tot Ion: 56 Resp: 242862
Ion Ratio Lower Upper
56 100
69 32.0 22.9 34.3
84 83.9 67.3 100.9



#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

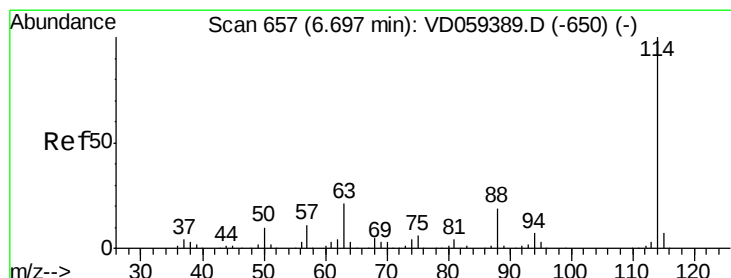
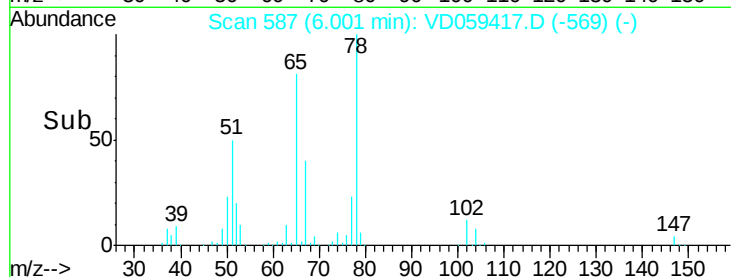
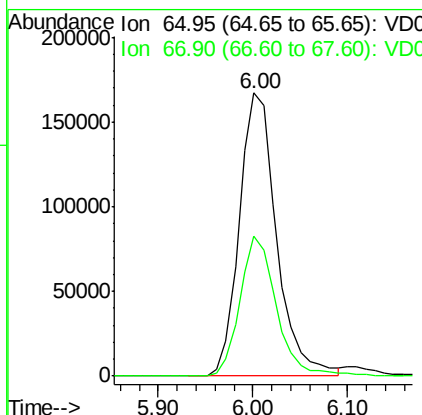
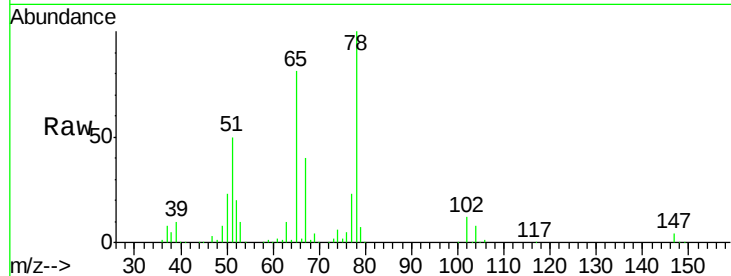




#33
 1,2-Dichloroethane-d4
 Concen: 23.85 ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. -0.03 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

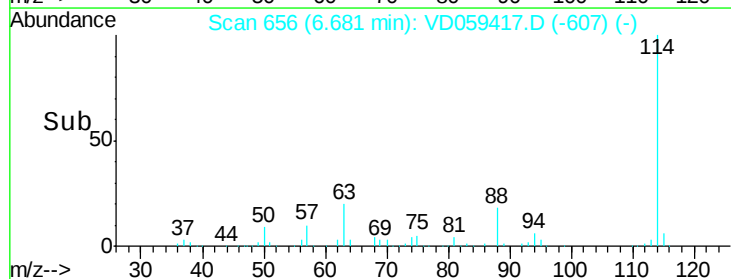
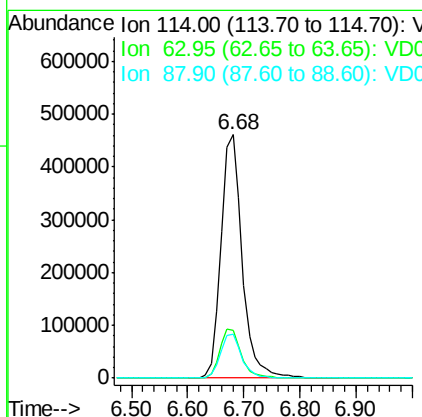
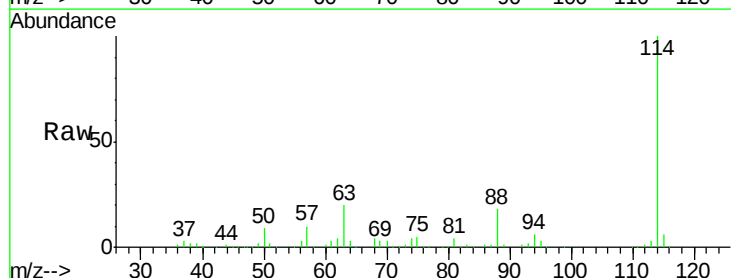
Instrument :
 MSVOA_D
 ClientSampleId :

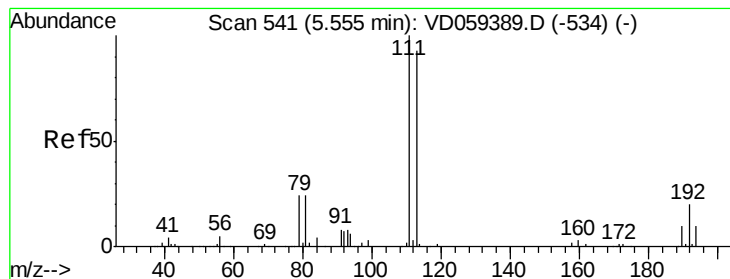
Tot Ion: 65 Resp: 455606
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 93.8



#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 :

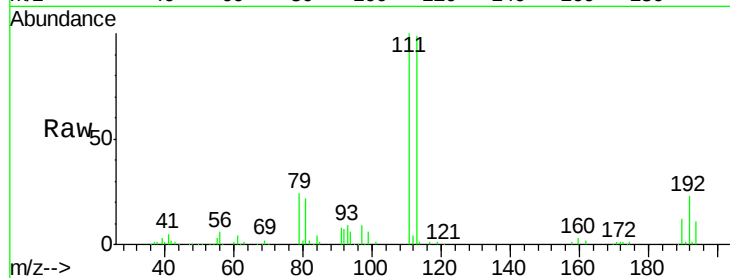
Tot Ion:113 Resp: 472088

Ion Ratio Lower Upper

113 100

111 100.8 85.7 128.5

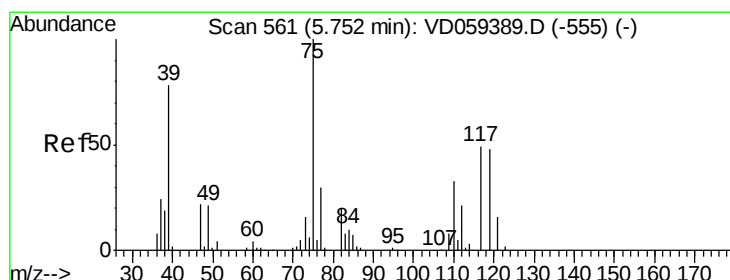
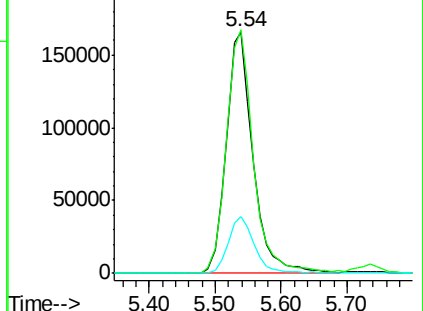
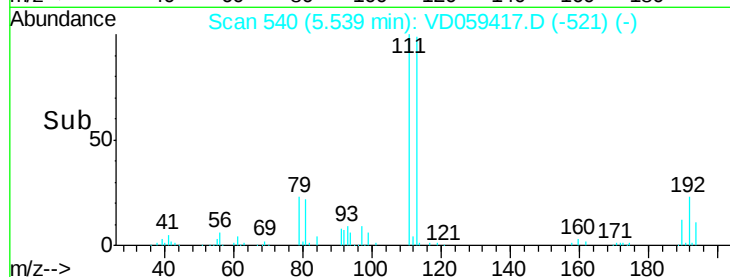
192 23.4 16.9 25.3



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

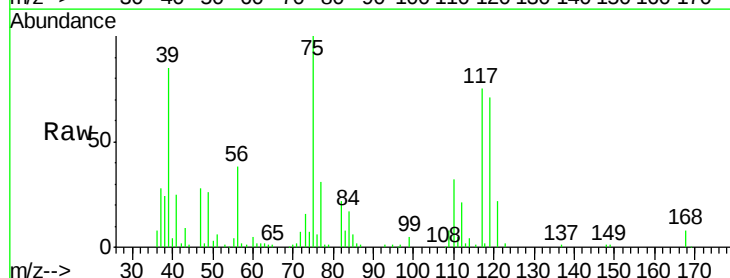
Tgt Ion: 75 Resp: 250038

Ion Ratio Lower Upper

75 100

110 32.2 16.1 48.2

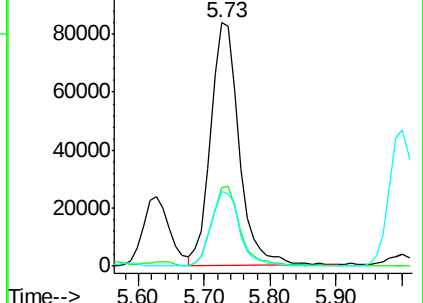
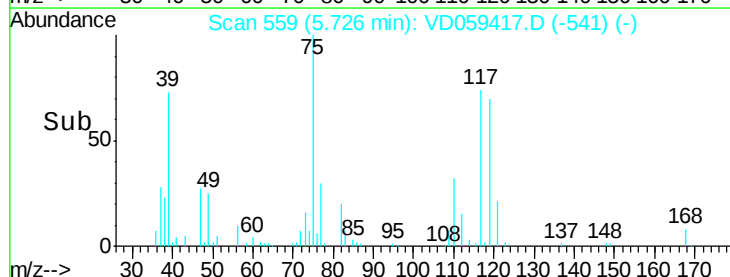
77 30.6 23.4 35.2

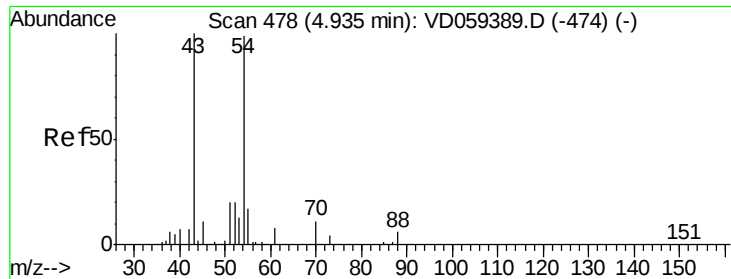


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

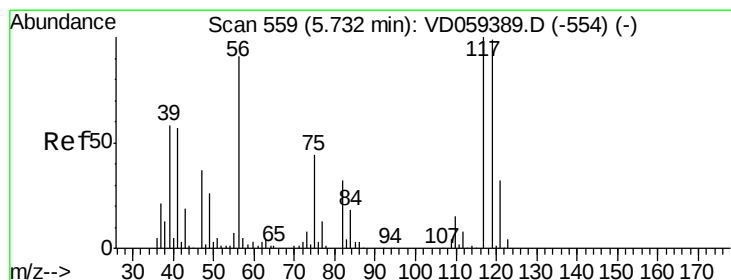
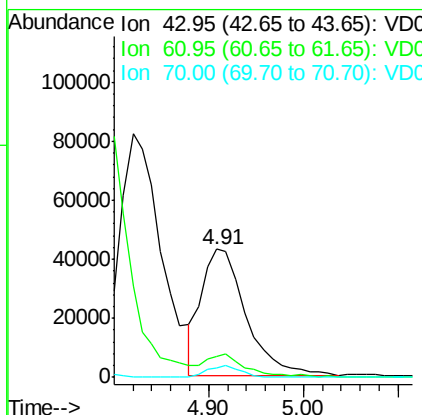
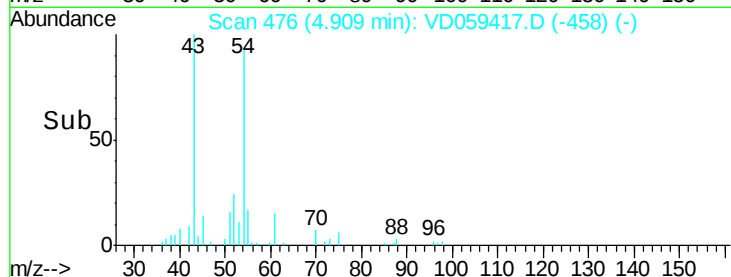
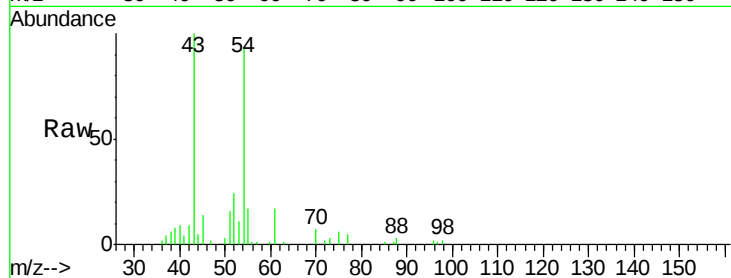




#37
Ethyl Acetate
Concen: 20.87 ug/l
RT: 4.91 min Scan# 476
Delta R.T. -0.03 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

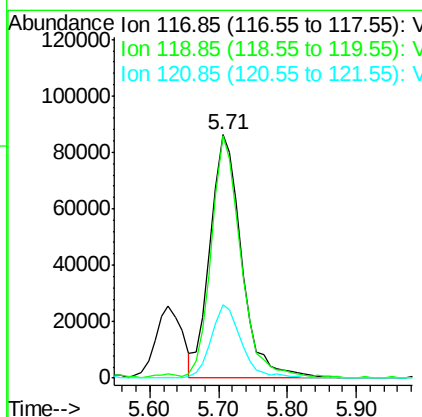
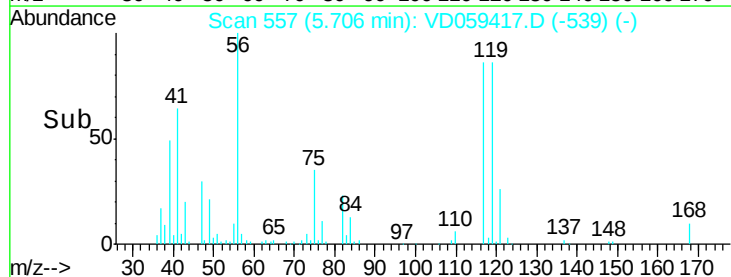
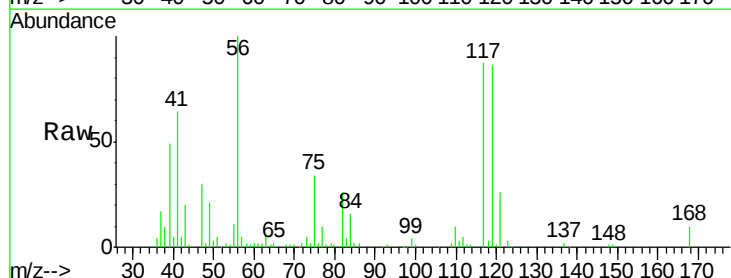
Instrument :
MSVOA_D
ClientSampled :

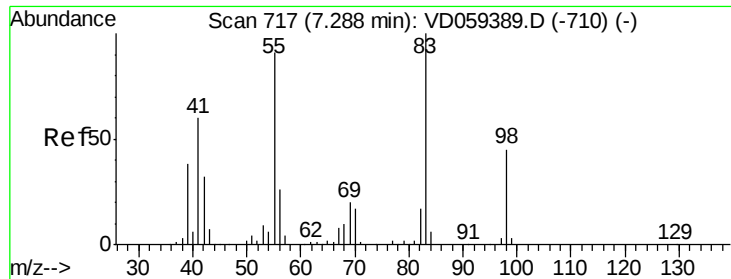
Tot Ion: 43 Resp: 139959
Ion Ratio Lower Upper
43 100
61 16.6 11.8 17.8
70 7.2 6.1 9.1



#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

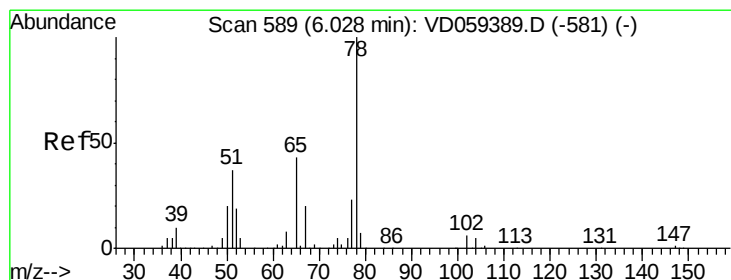
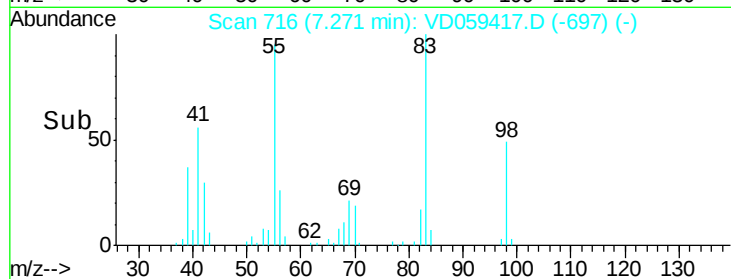
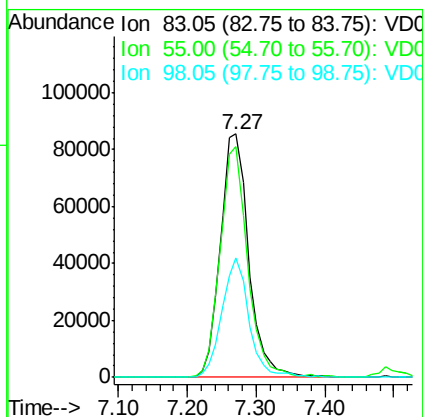
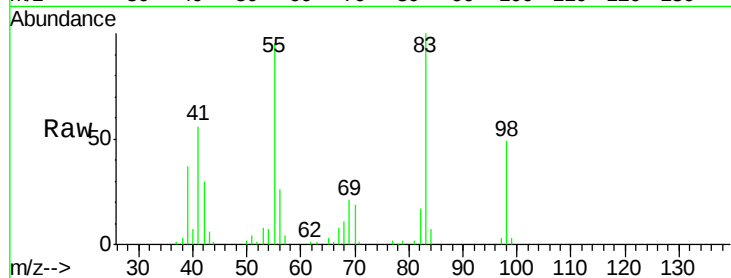




#39
Methvlcvclohexane
Concen: 23.41 ug/l
RT: 7.27 min Scan# 716
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

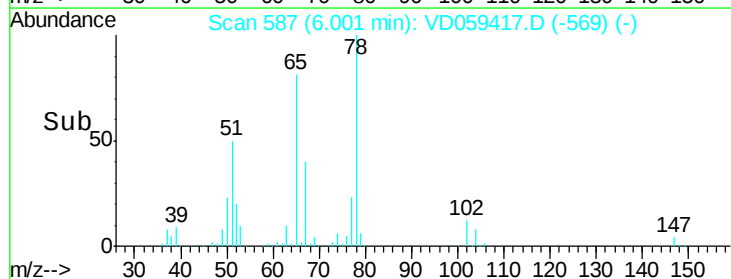
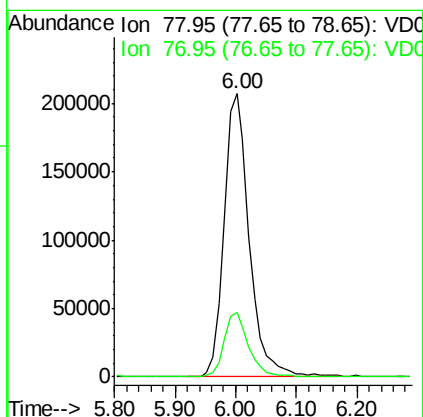
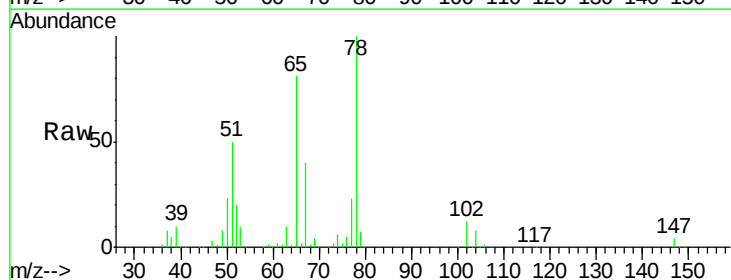
Instrument :
MSVOA_D
ClientSampleId :

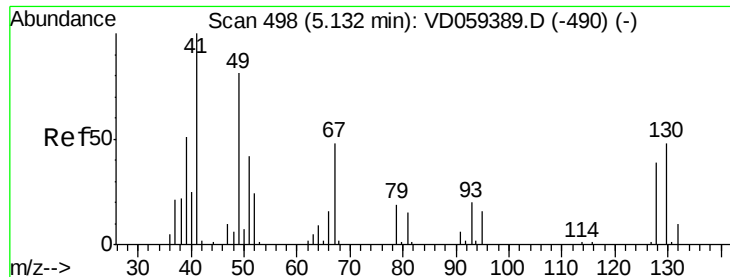
Tot Ion: 83 Resp: 244515
Ion Ratio Lower Upper
83 100
55 94.8 72.6 109.0
98 48.9 35.8 53.6



#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

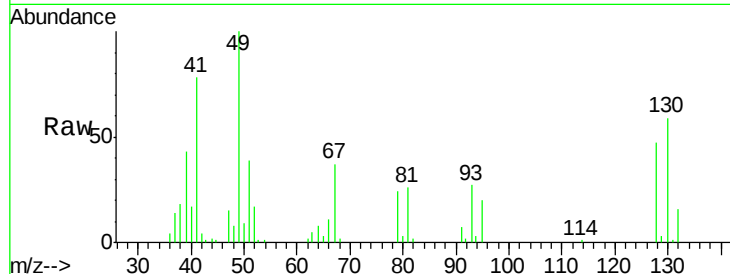




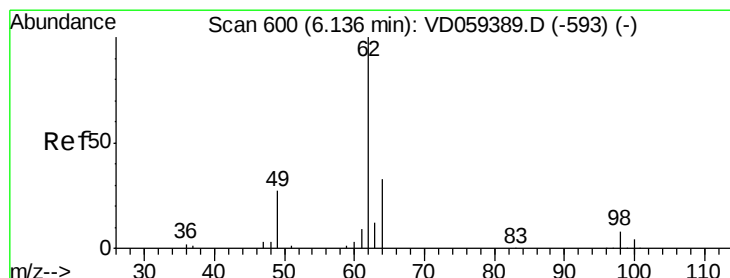
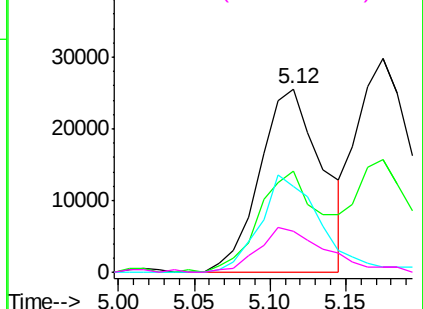
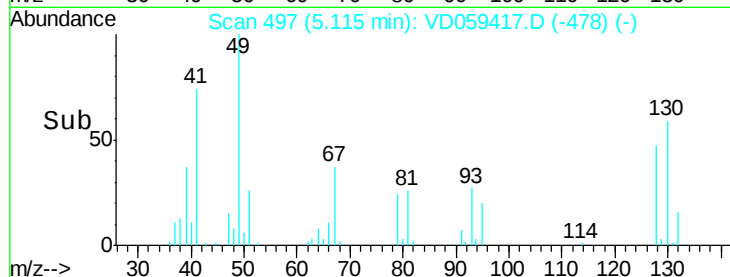
#41
Methacrylonitrile
Concen: 22.79 ug/l
RT: 5.12 min Scan# 497
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

Instrument :
MSVOA_D
ClientSampleId :

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

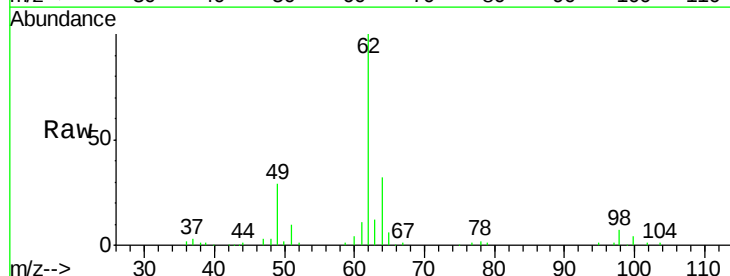


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

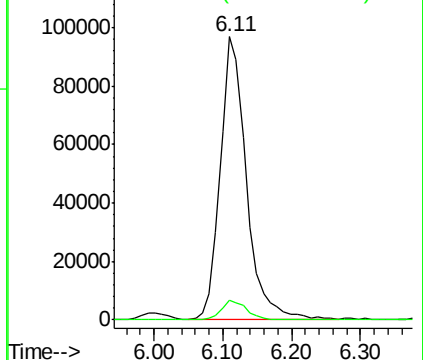
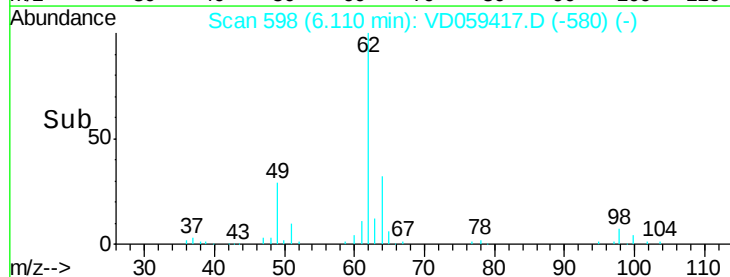


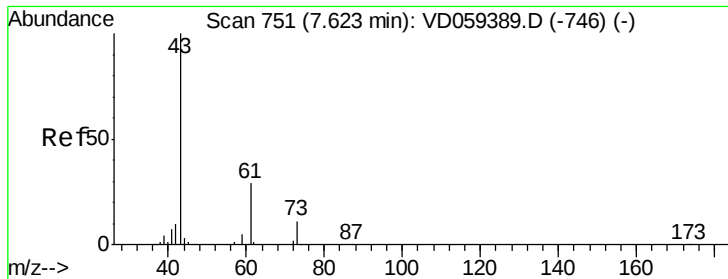
#42
1,2-Dichloroethane
Concen: 21.96 ug/l
RT: 6.11 min Scan# 598
Delta R.T. -0.03 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

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



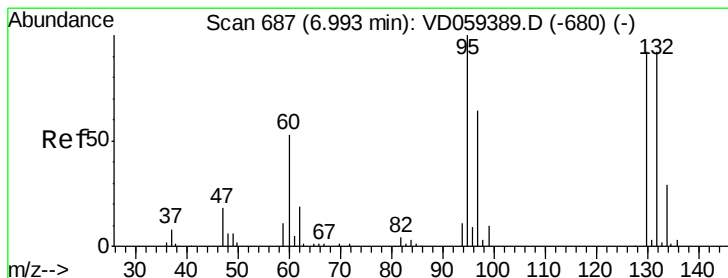
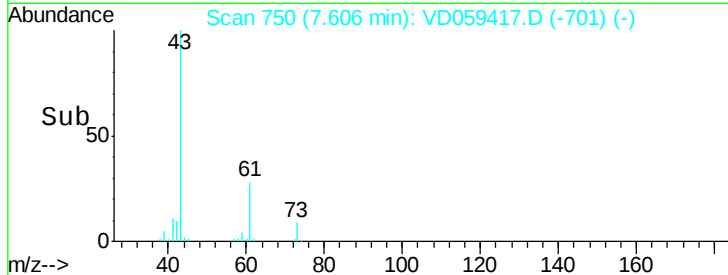
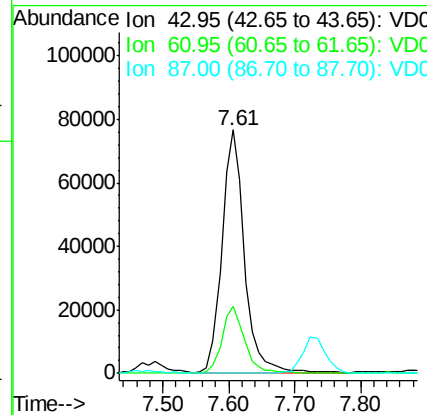
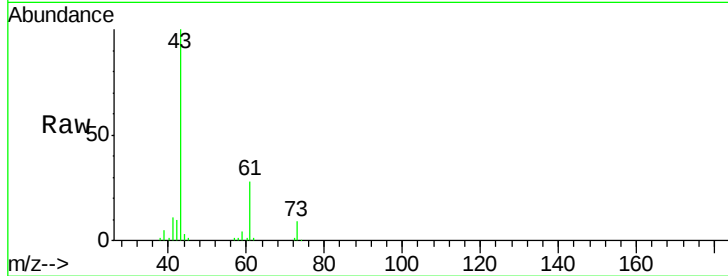


#43

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 :

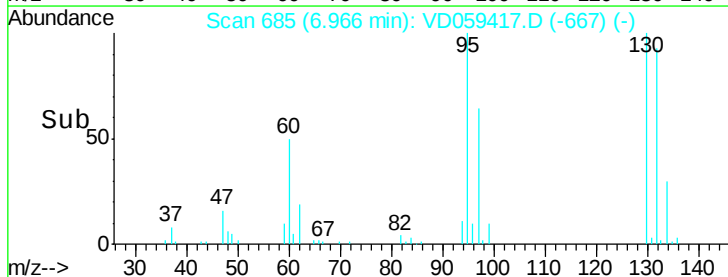
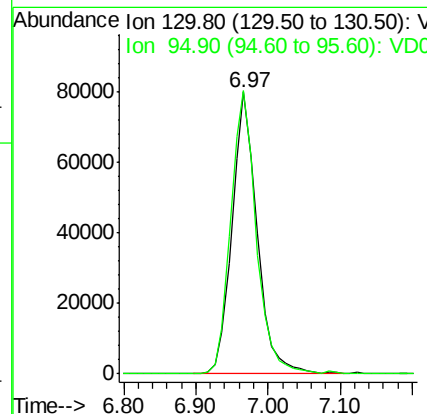
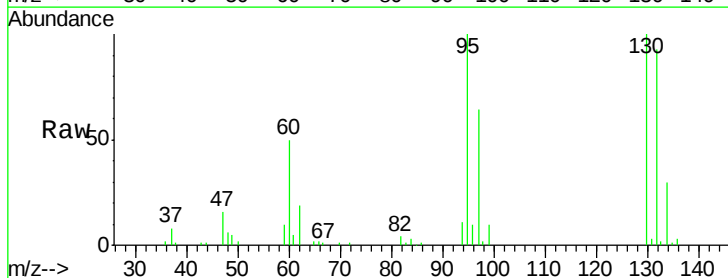
Tot Ion: 43 Resp: 182260
 Ion Ratio Lower Upper
 43 100
 61 27.7 23.1 34.7
 87 0.0 0.2 0.4#

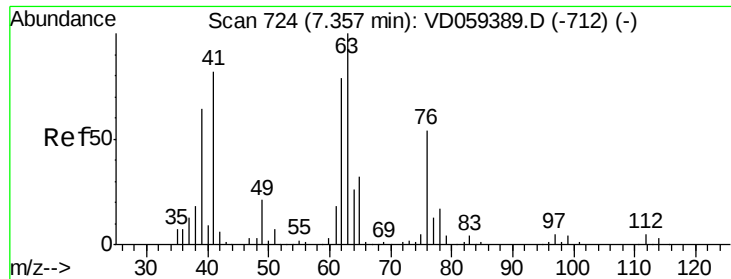


#44

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





#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

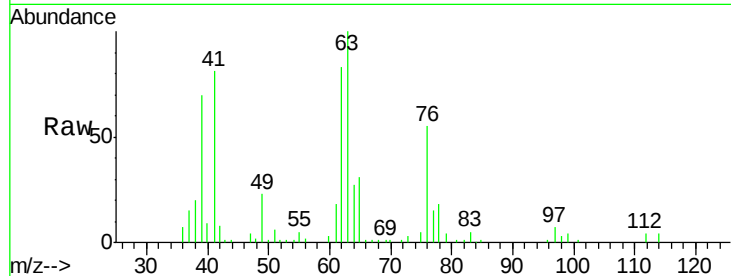
ClientSampleId :

Tot Ion: 63 Resp: 161125

Ion Ratio Lower Upper

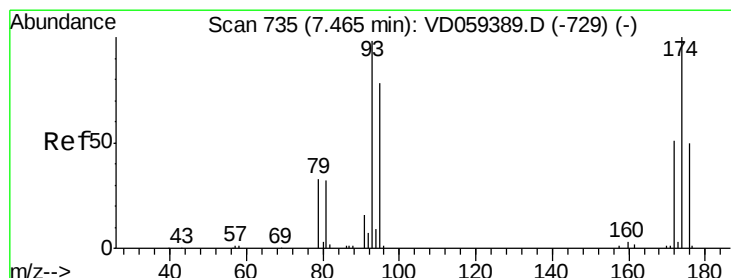
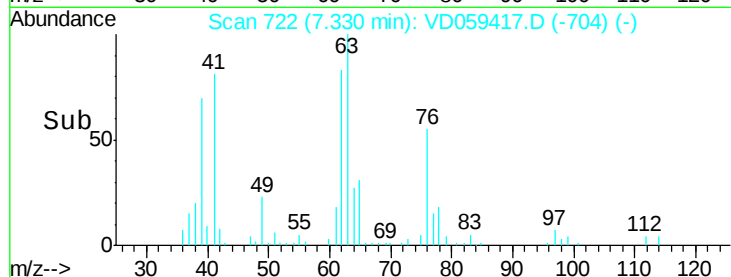
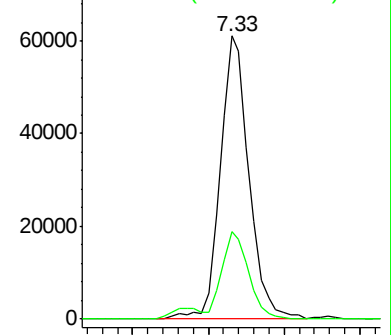
63 100

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

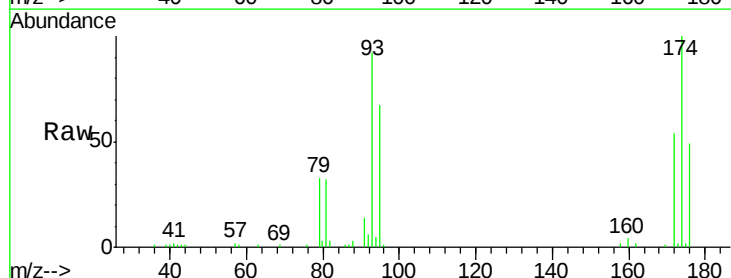
Tgt Ion: 93 Resp: 118428

Ion Ratio Lower Upper

93 100

95 72.4 63.4 95.0

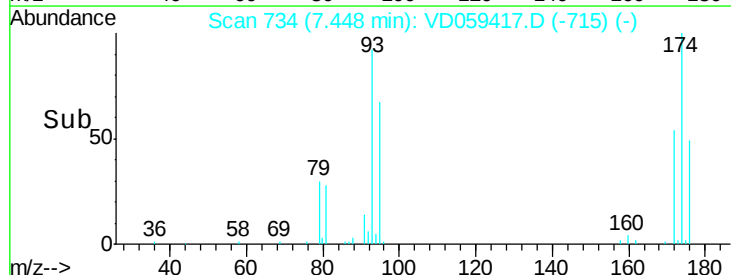
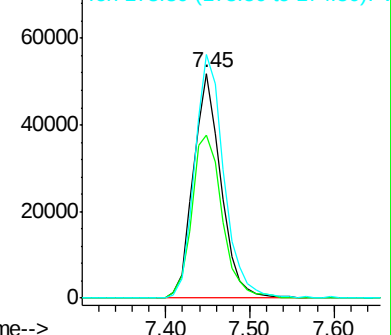
174 108.3 81.4 122.2

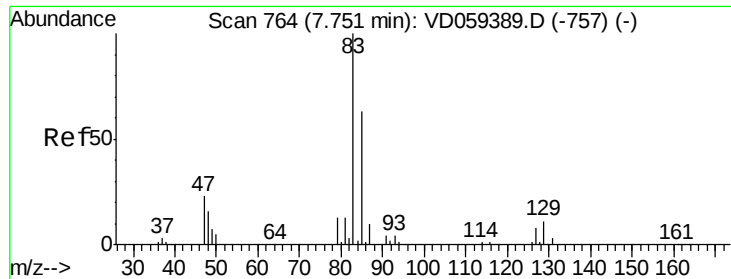


Abundance Ion 92.90 (92.60 to 93.60): VDC

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

ClientSampled :

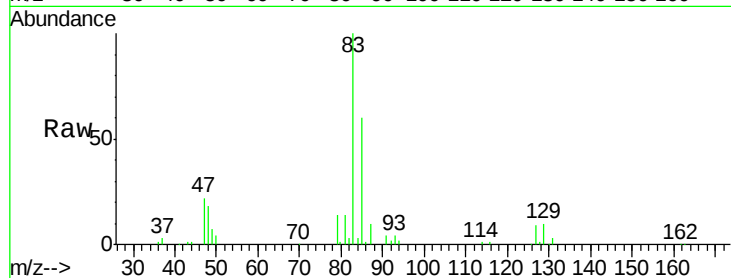
Tot Ion: 83 Resp: 269819

Ion Ratio Lower Upper

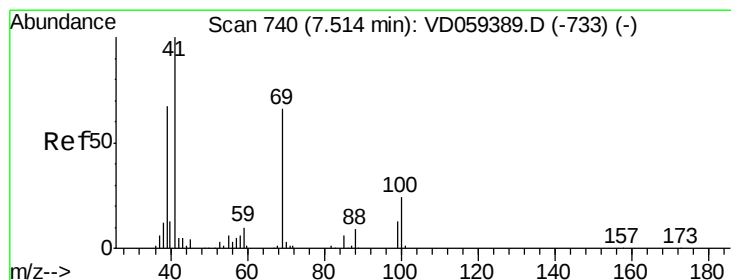
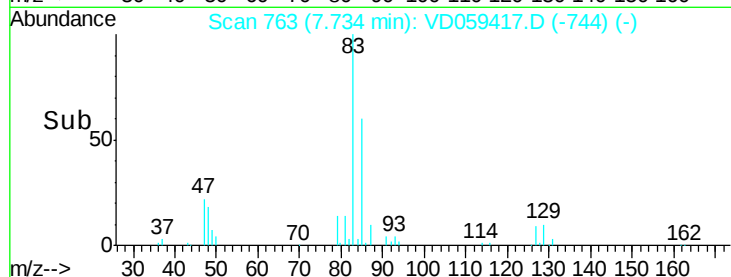
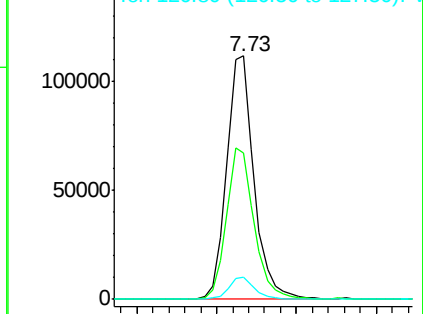
83 100

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

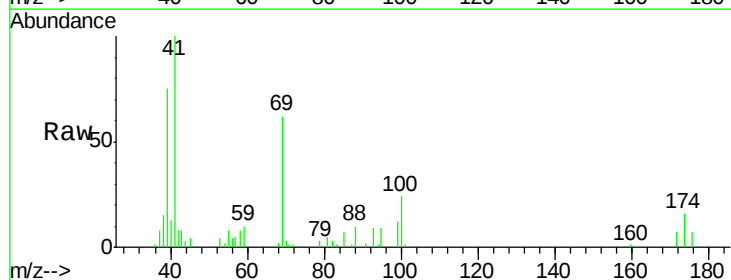
Tgt Ion: 41 Resp: 107526

Ion Ratio Lower Upper

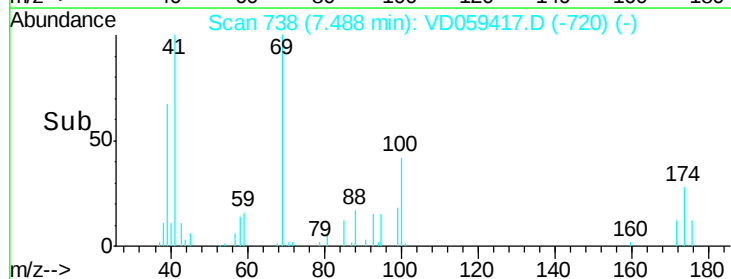
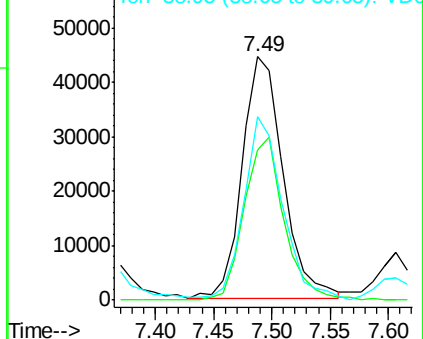
41 100

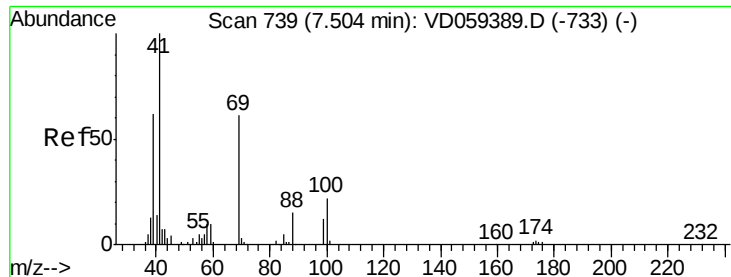
69 61.8 52.6 79.0

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

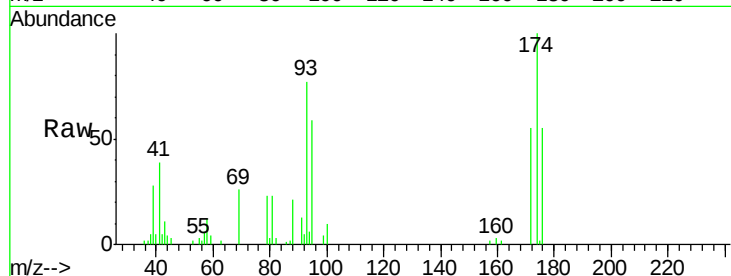
Instrument :

MSVOA_D

ClientSampleId :

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

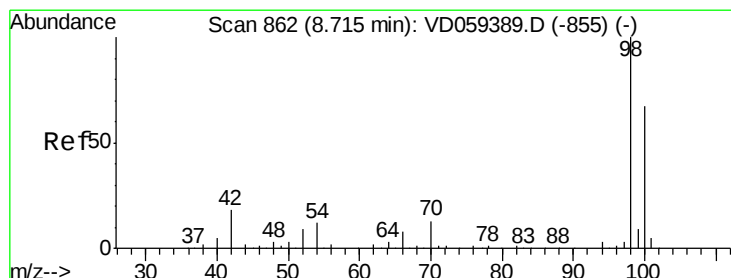
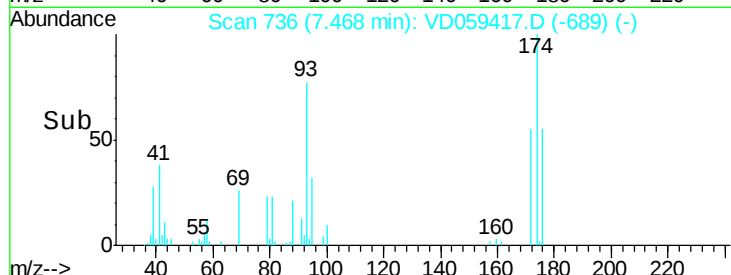
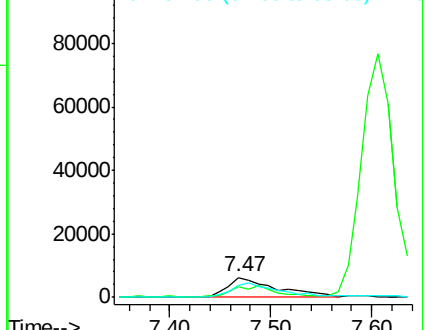


Abundance

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

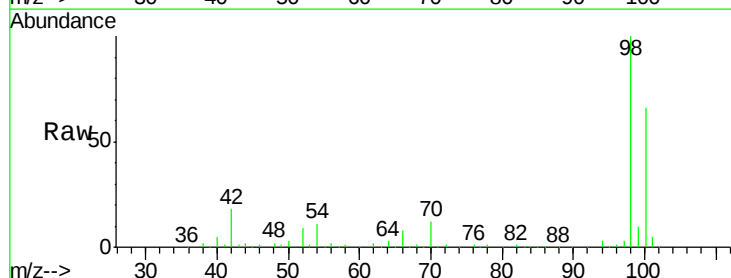
Delta R.T. -0.02 min

Lab File: VD059417.D

Acq: 26 Jun 2018 11:27

Tgt Ion: 98 Resp: 1069587

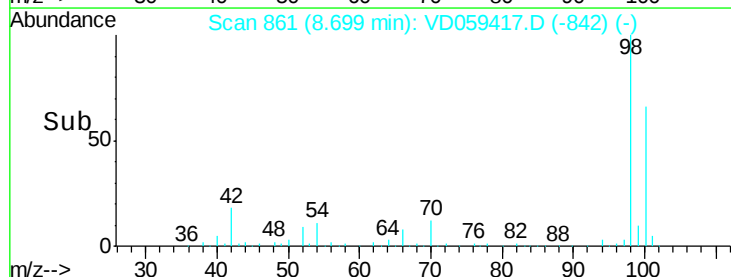
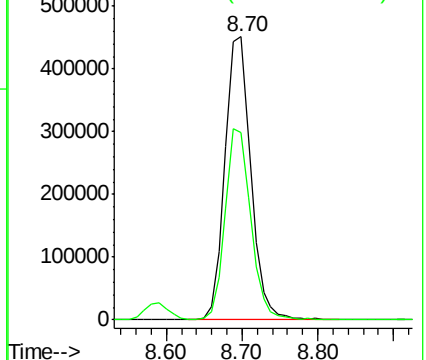
Ion	Ratio	Lower	Upper
98	100		
100	66.3	54.4	81.6

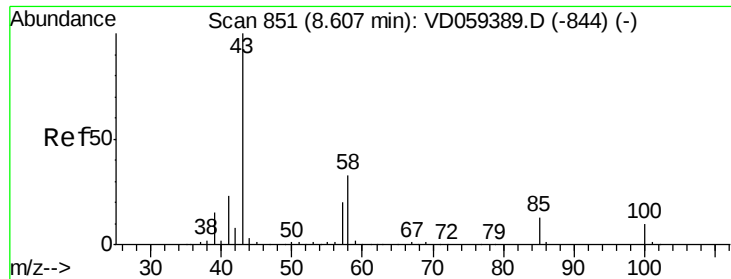


Abundance

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

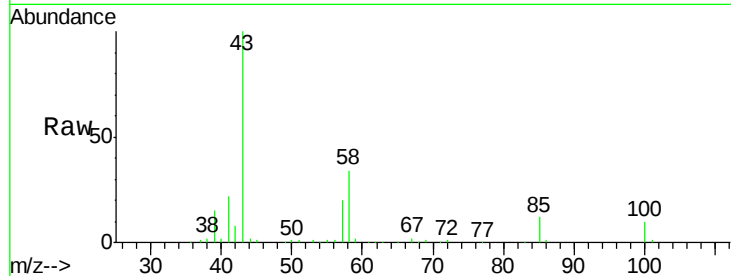
ClientSampled :

Tot Ion: 43 Resp: 598696

Ion Ratio Lower Upper

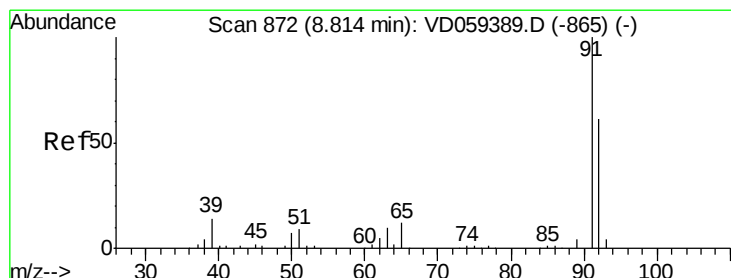
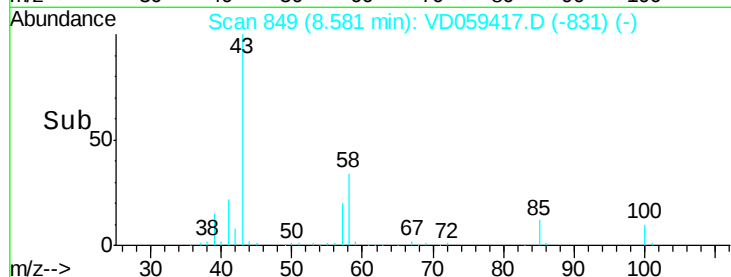
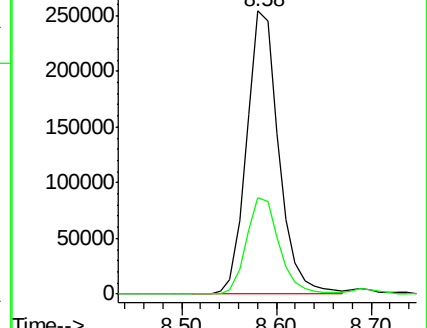
43 100

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



#52

Toluene

Concen: 22.08 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.03 min

Lab File: VD059417.D

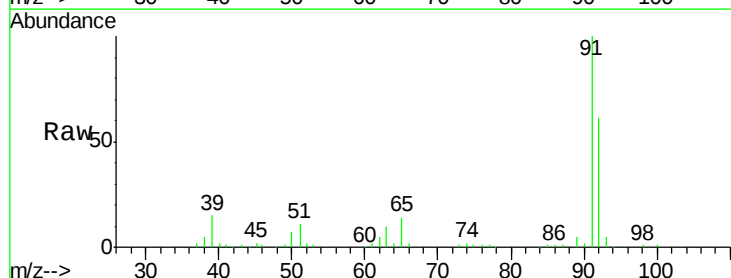
Acq: 26 Jun 2018 11:27

Tgt Ion: 92 Resp: 348545

Ion Ratio Lower Upper

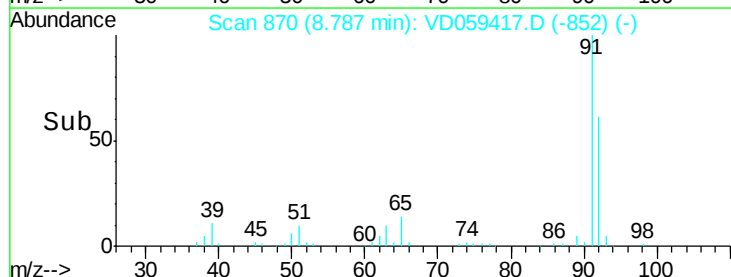
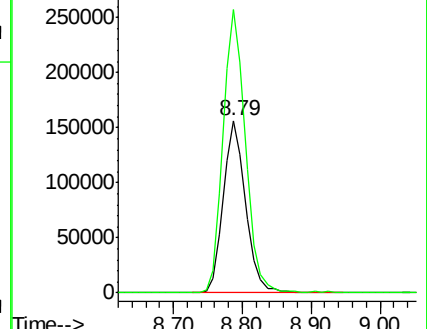
92 100

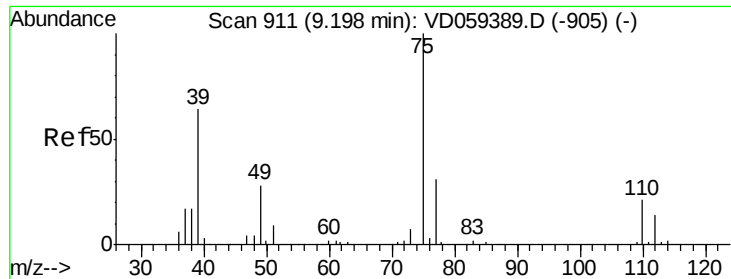
91 164.5 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

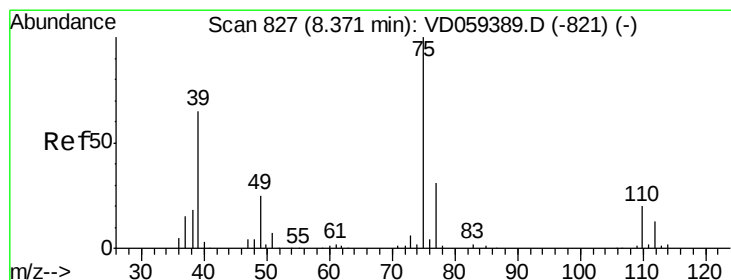
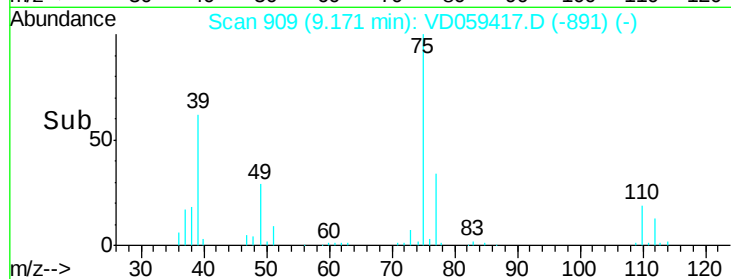
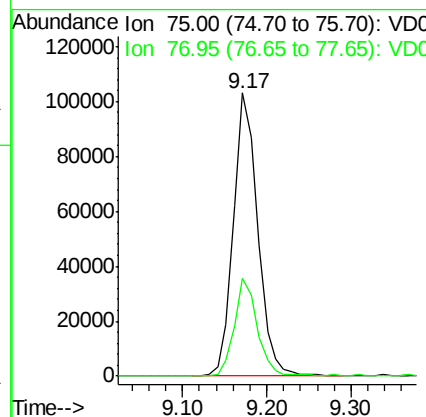
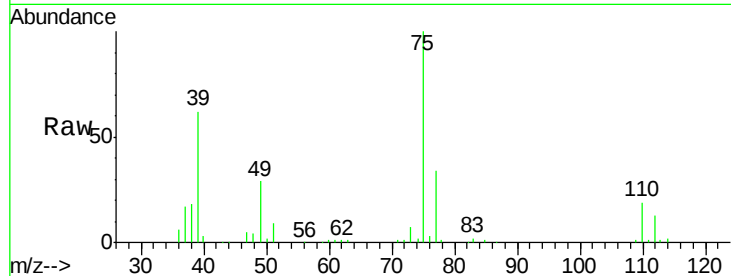




#53
 t-1,3-Dichloropropene
 Concen: 21.10 ug/l
 RT: 9.17 min Scan# 909
 Delta R.T. -0.03 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

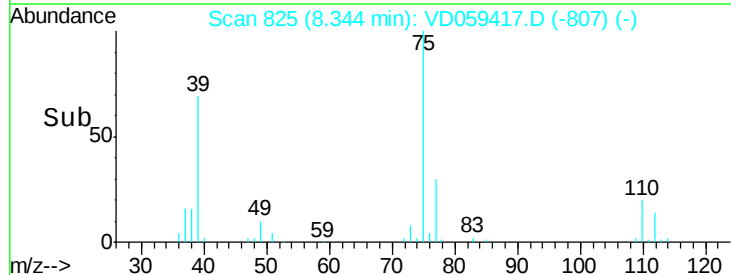
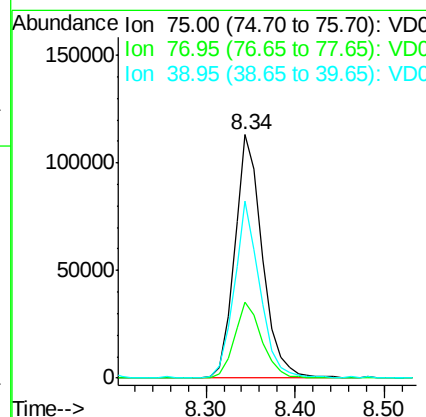
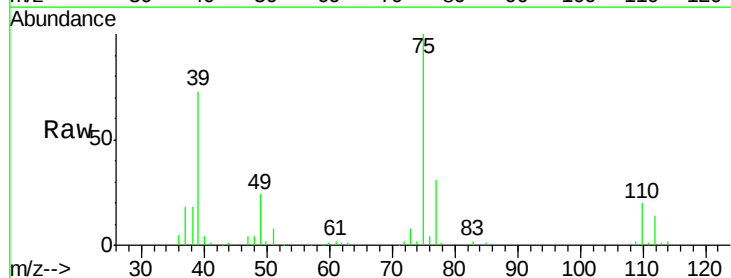
Instrument :
 MSVOA_D
 ClientSampled :

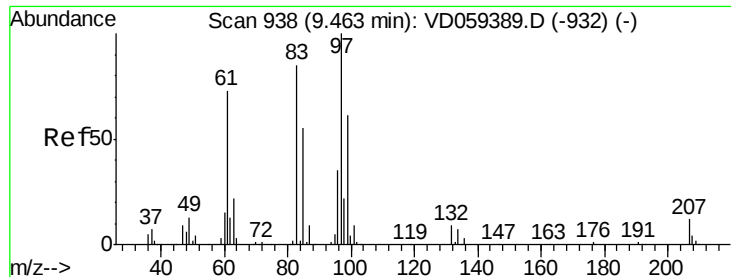
Tot Ion: 75 Resp: 207708
 Ion Ratio Lower Upper
 75 100
 77 34.5 24.6 37.0



#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 :

Tot Ion: 97 Resp: 123893

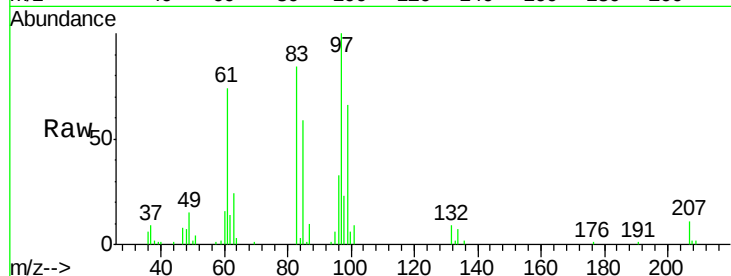
Ion	Ratio	Lower	Upper
97	100		
83	83.8	67.7	101.5
85	58.8	44.3	66.5
99	65.7	48.6	73.0

97 100

83 83.8 67.7 101.5

85 58.8 44.3 66.5

99 65.7 48.6 73.0

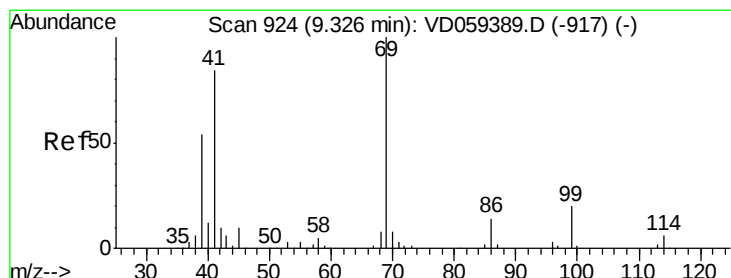
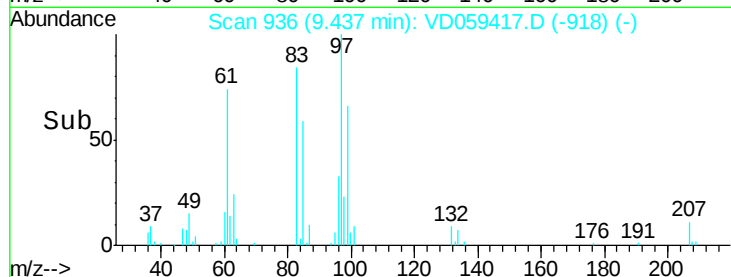
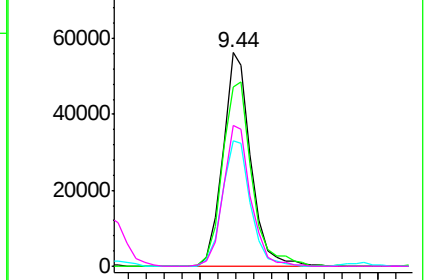


Abundance Ion 96.85 (96.55 to 97.55): VDC

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

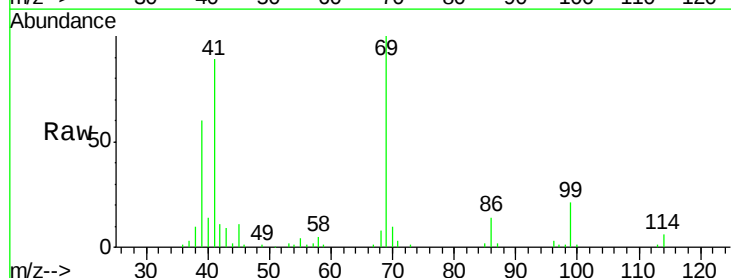
Tgt Ion: 69 Resp: 134546

Ion	Ratio	Lower	Upper
69	100		
41	89.0	67.4	101.0
39	59.5	43.7	65.5

69 100

41 89.0 67.4 101.0

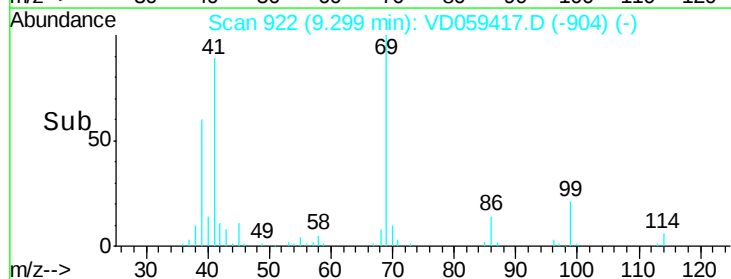
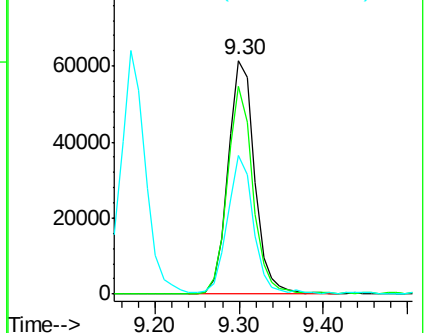
39 59.5 43.7 65.5

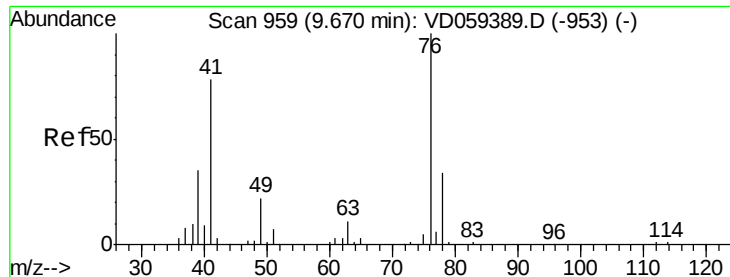


Abundance Ion 69.00 (68.70 to 69.70): VDC

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

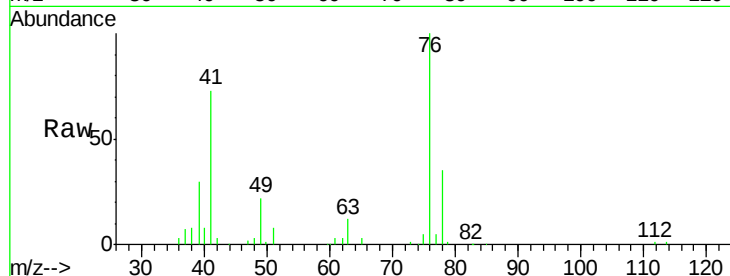
ClientSampleId :

Tot Ion: 76 Resp: 204421

Ion Ratio Lower Upper

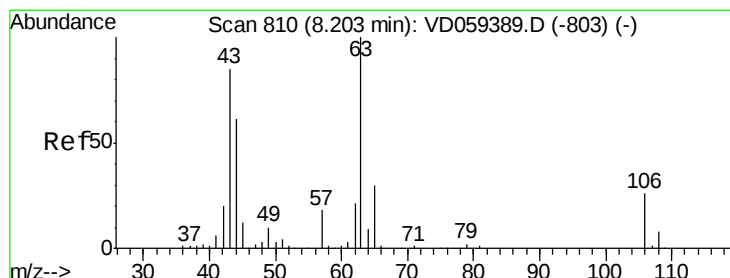
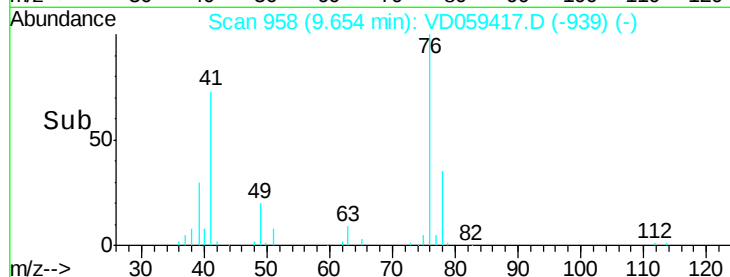
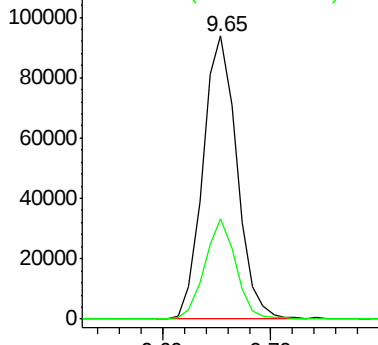
76 100

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



#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

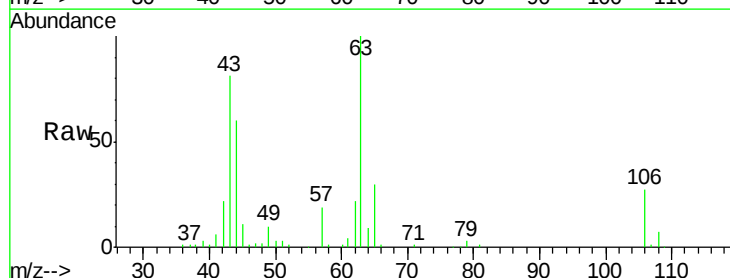
Acq: 26 Jun 2018 11:27

Tgt Ion: 63 Resp: 370377

Ion Ratio Lower Upper

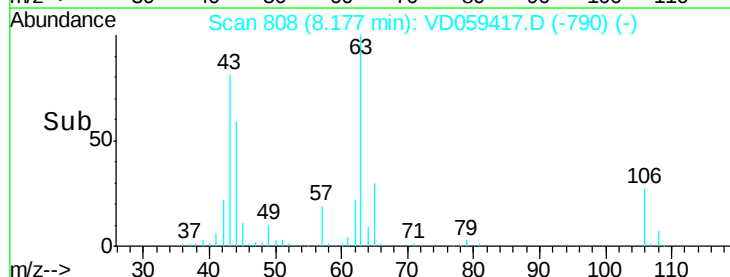
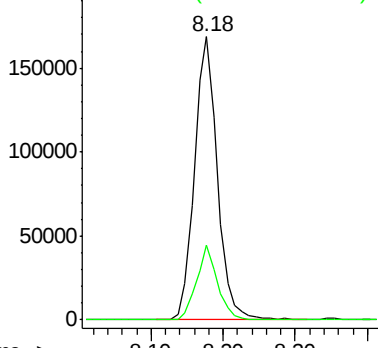
63 100

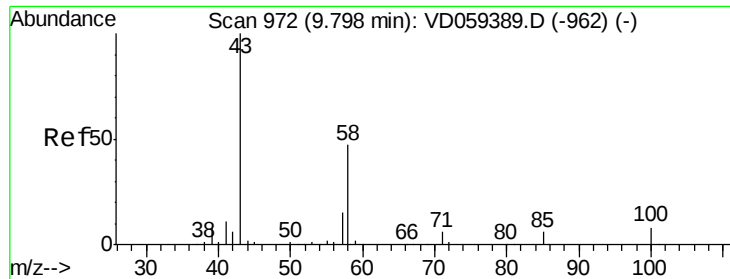
106 26.6 20.6 31.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

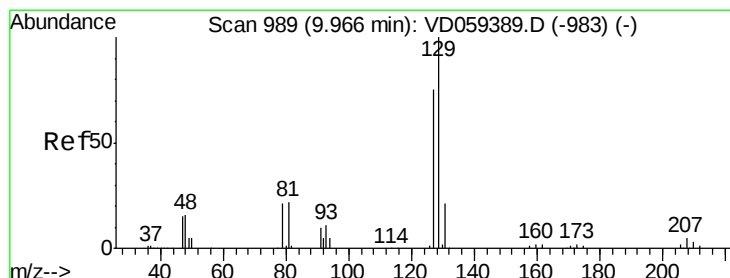
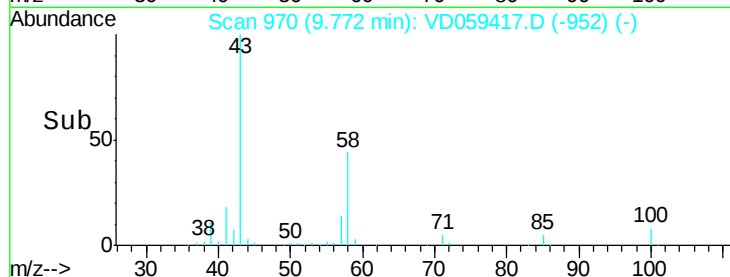
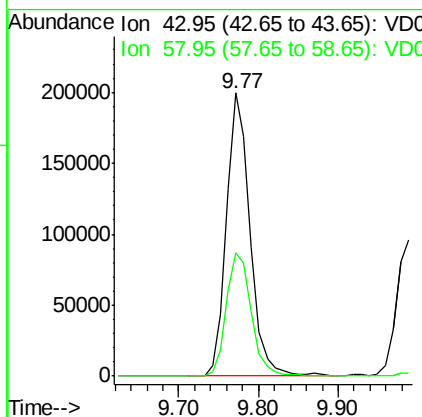
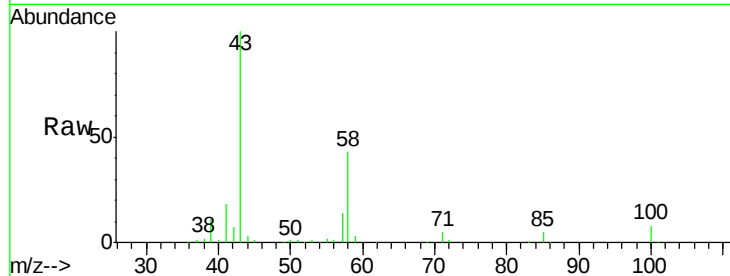




#59
2-Hexanone
Concen: 104.34 ug/l
RT: 9.77 min Scan# 970
Delta R.T. -0.03 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

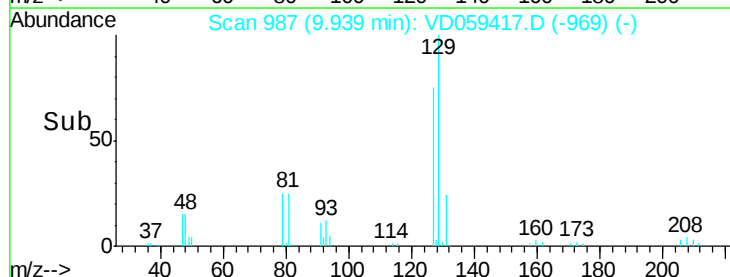
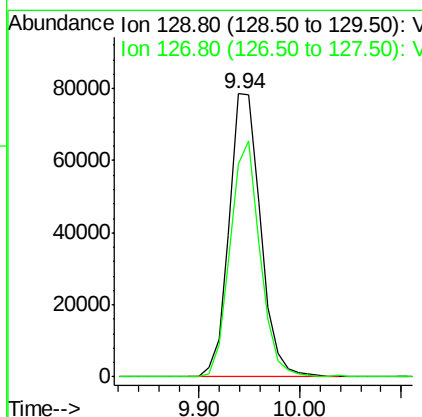
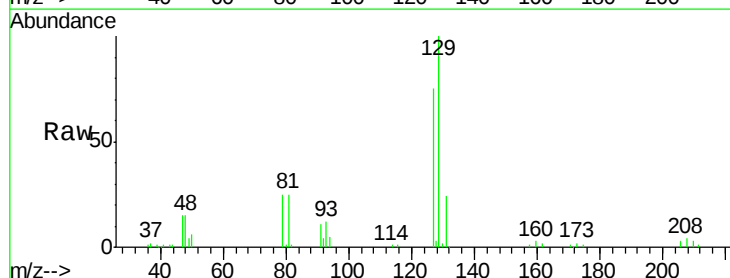
Instrument :
MSVOA_D
ClientSampleId :

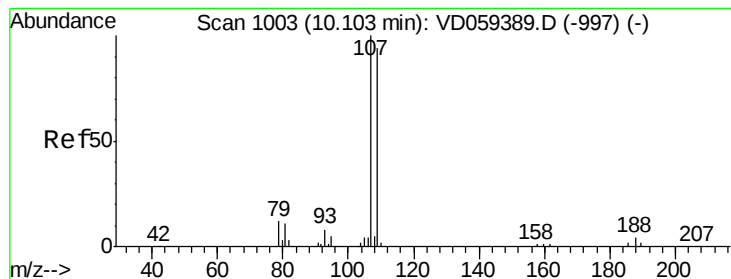
Tot Ion: 43 Resp: 416158
Ion Ratio Lower Upper
43 100
58 43.4 23.3 69.9



#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

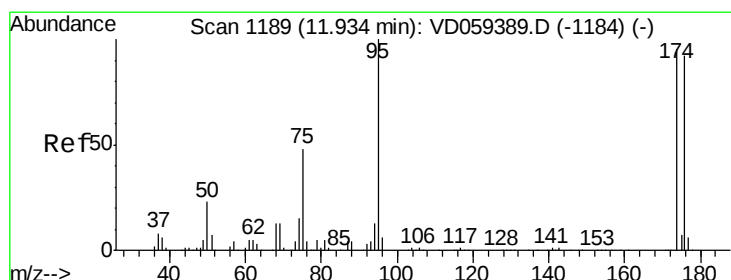
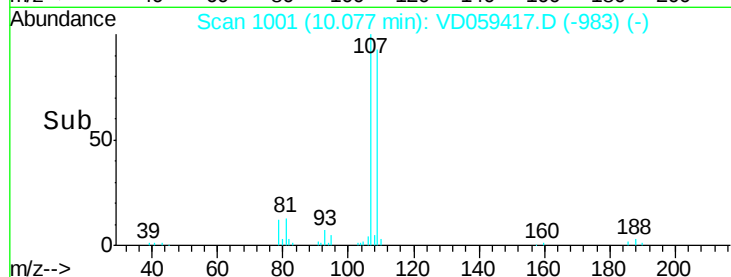
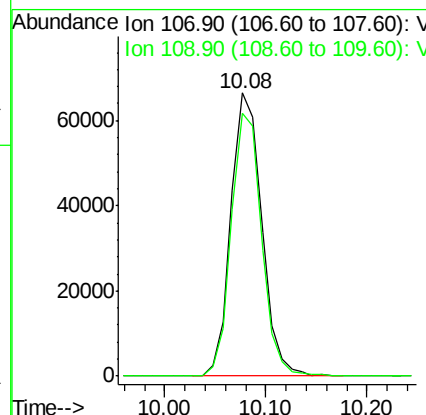
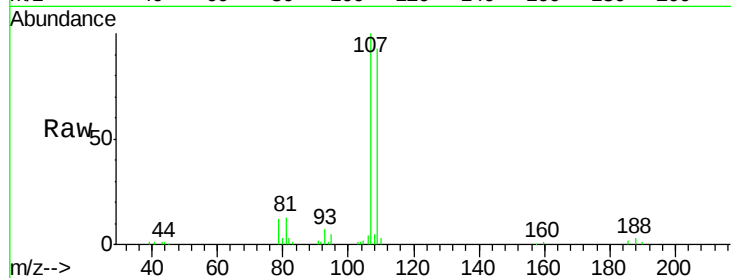




#61
 1,2-Dibromoethane
 Concen: 22.14 ug/l
 RT: 10.08 min Scan# 1001
 Delta R.T. -0.03 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

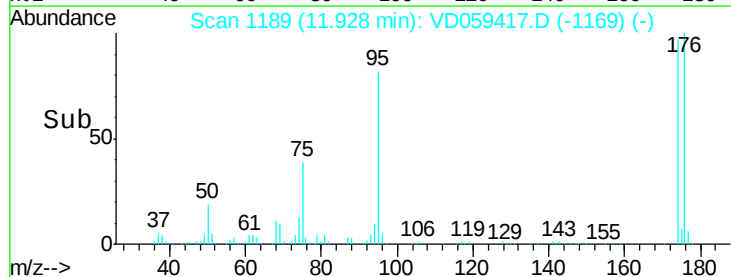
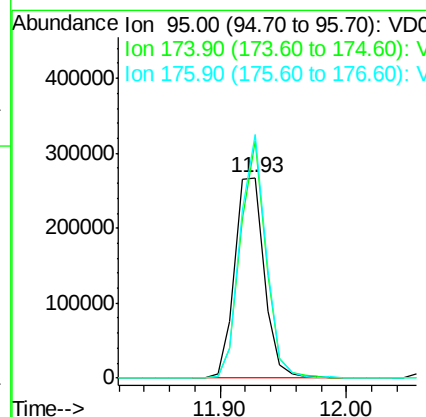
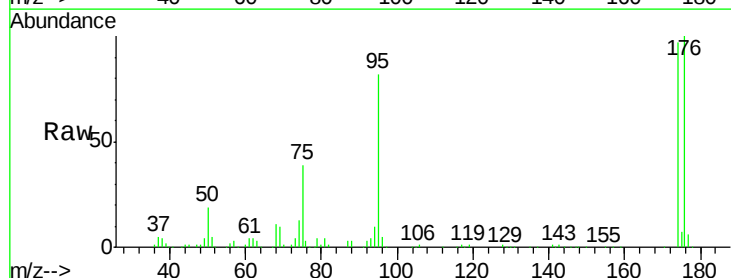
Instrument :
 MSVOA_D
 ClientSampleId :

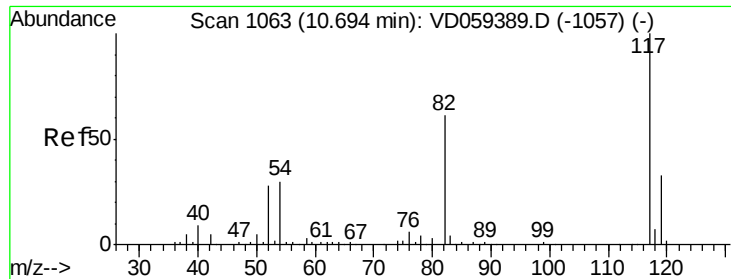
Tot Ion:107 Resp: 141263
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.0 112.6



#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

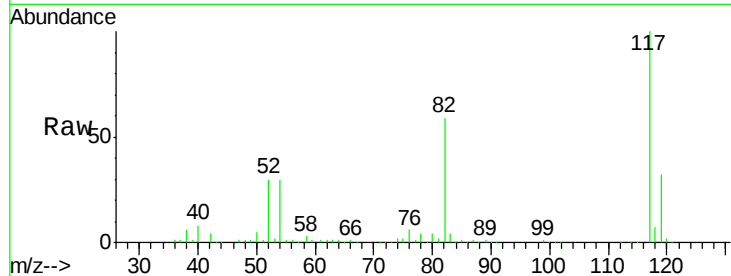




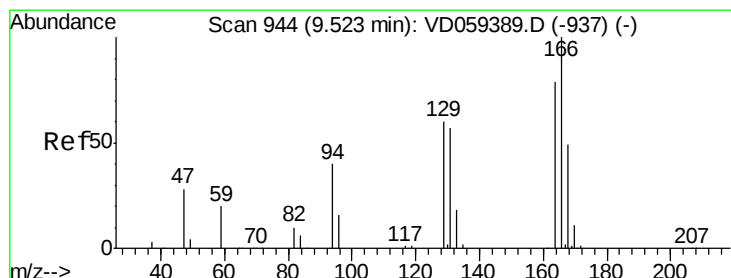
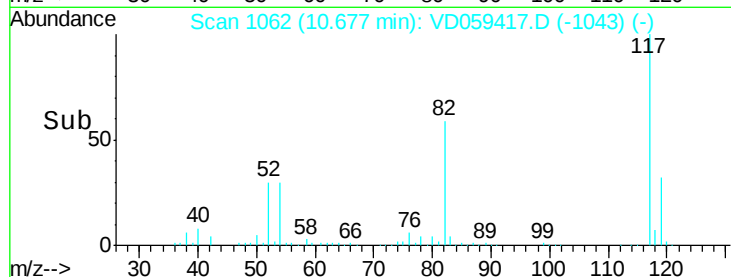
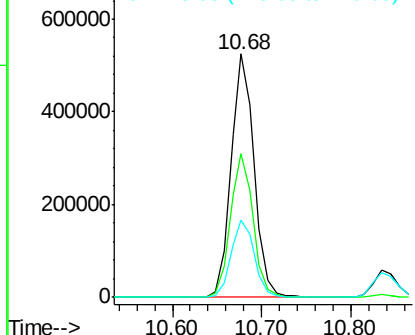
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

Instrument :
MSVOA_D
ClientSampleId :

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

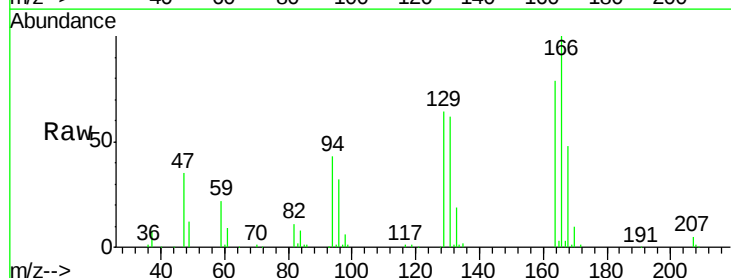


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

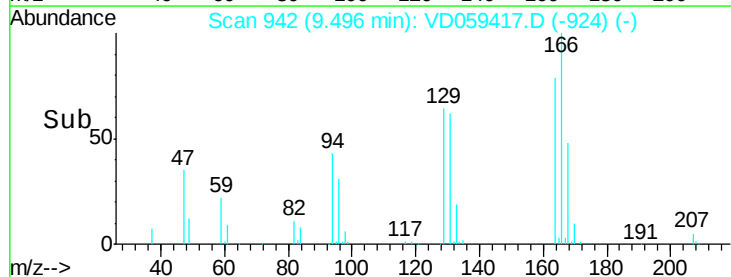
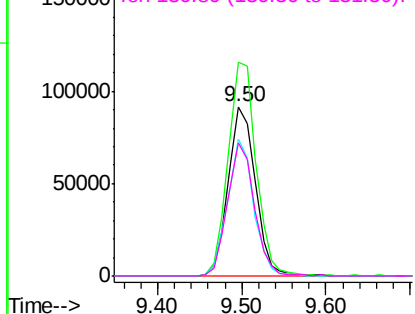


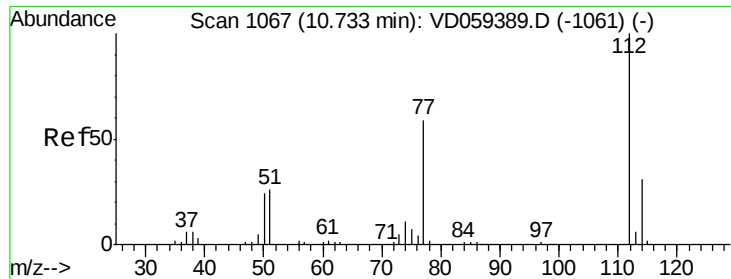
#64
Tetrachloroethene
Concen: 24.65 ug/l
RT: 9.50 min Scan# 942
Delta R.T. -0.03 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

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

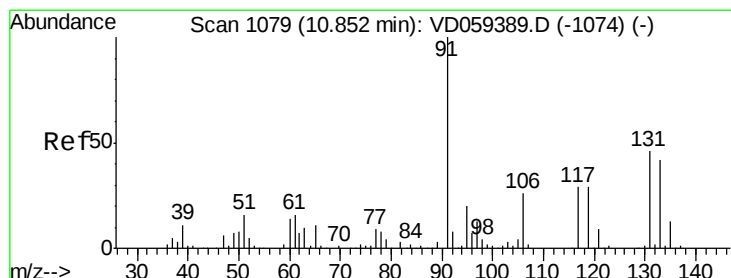
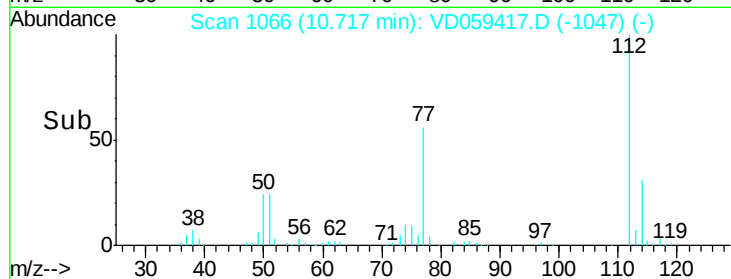
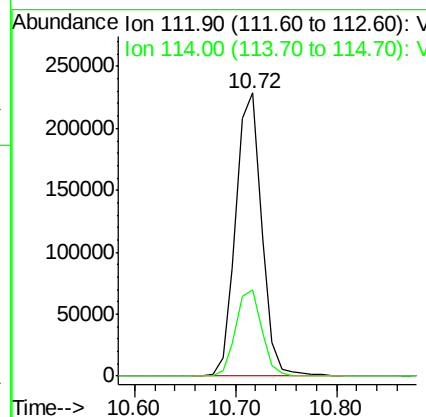
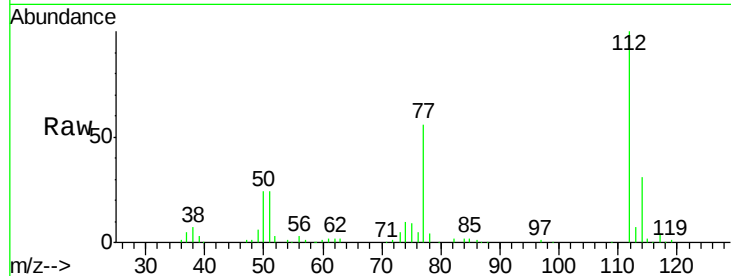




#65
Chlorobenzene
Concen: 23.46 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

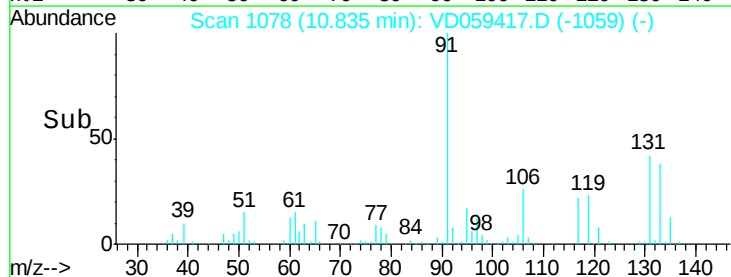
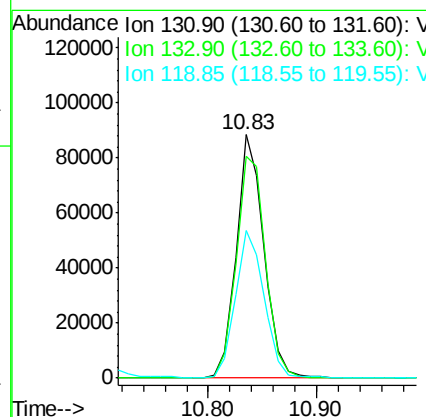
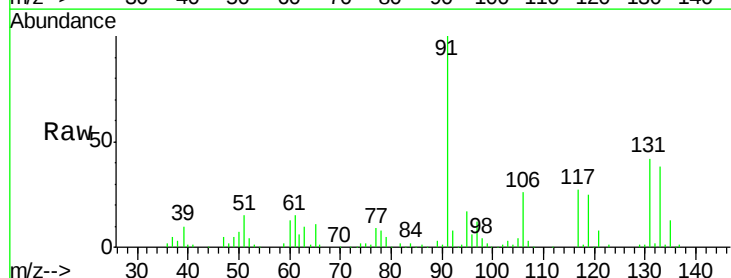
Instrument :
MSVOA_D
ClientSampled :

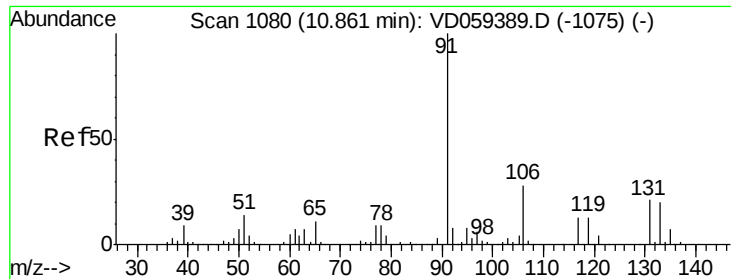
Tot Ion:112 Resp: 408048
Ion Ratio Lower Upper
112 100
114 30.6 24.6 37.0



#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

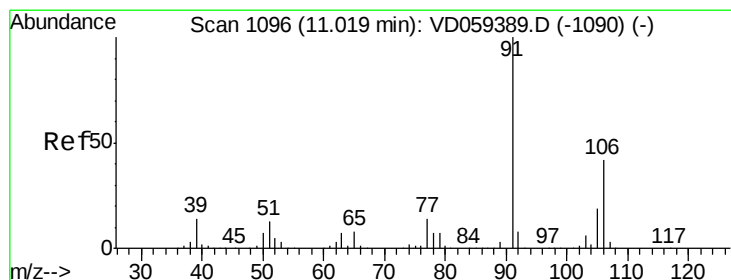
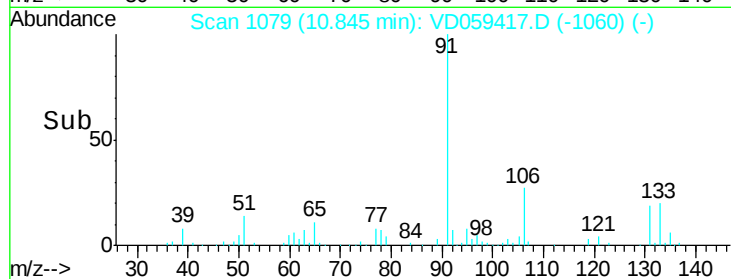
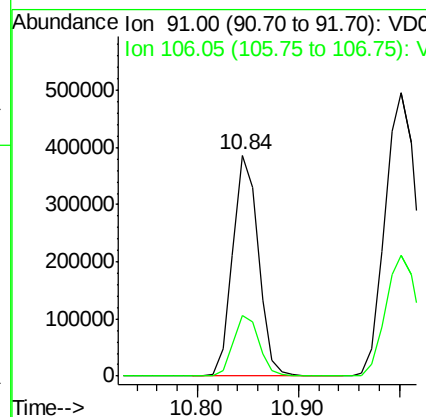
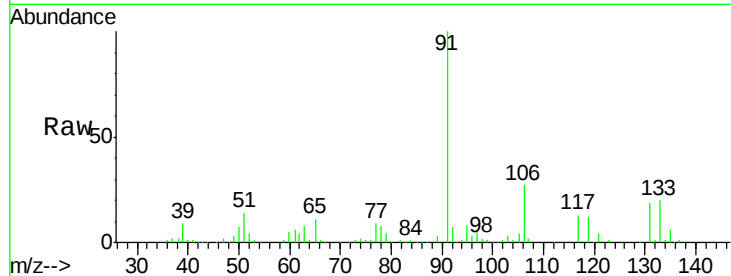




#67
Ethyl Benzene
Concen: 23.30 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

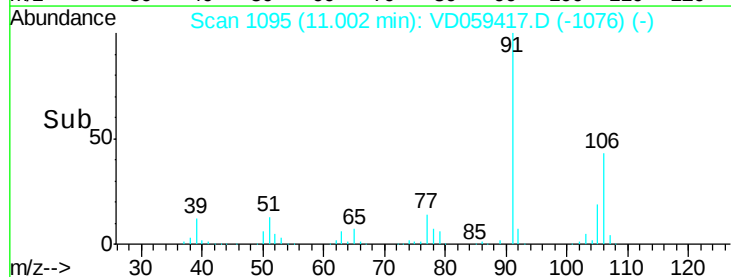
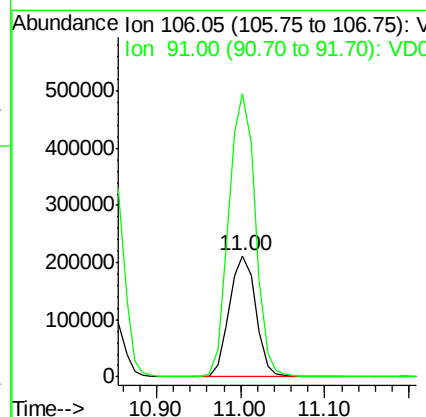
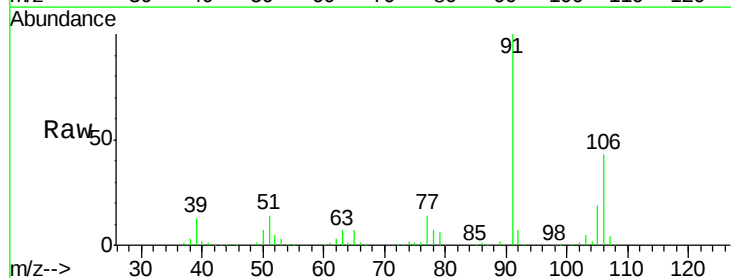
Instrument :
MSVOA_D
ClientSampleId :

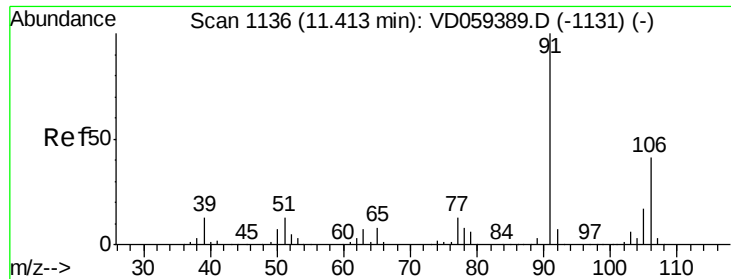
Tot Ion: 91 Resp: 683960
Ion Ratio Lower Upper
91 100
106 27.4 22.3 33.5



#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

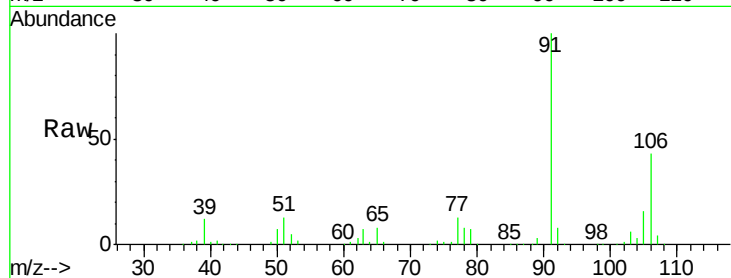




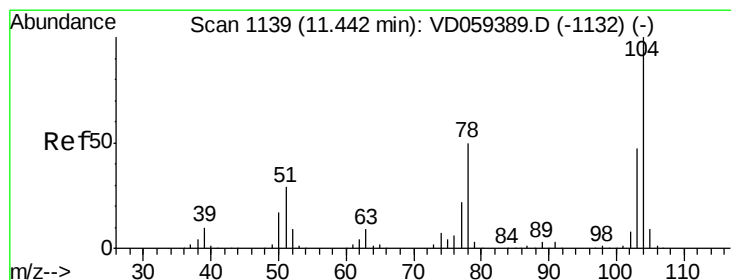
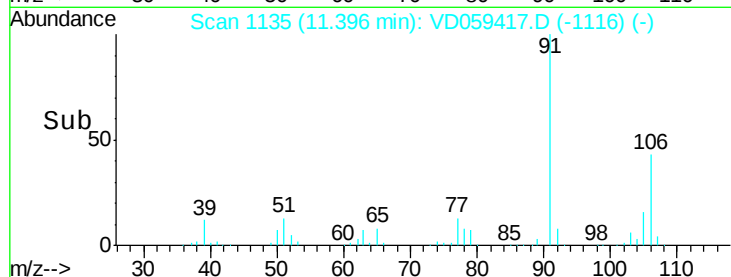
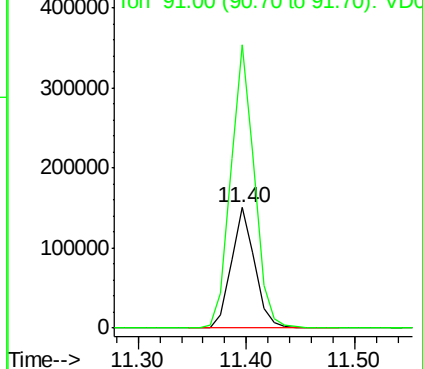
#69
o-Xylene
Concen: 23.46 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

Instrument :
MSVOA_D
ClientSampled :

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

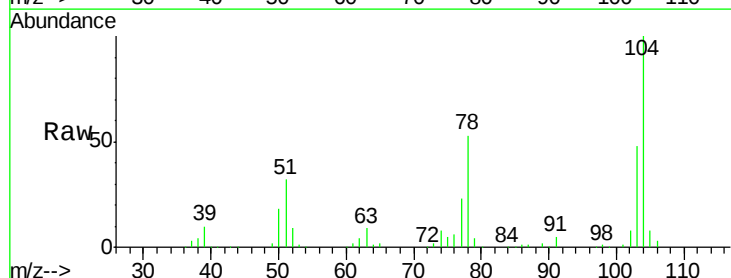


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

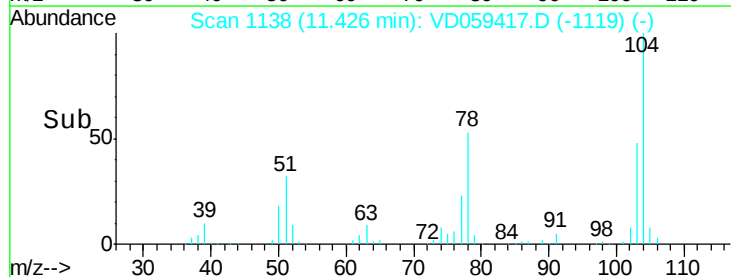
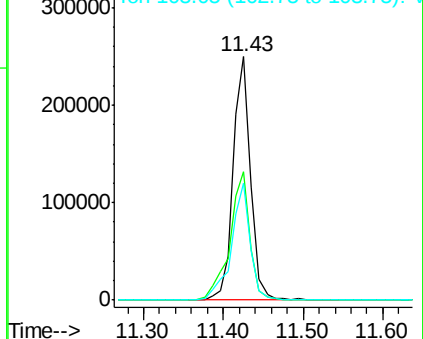


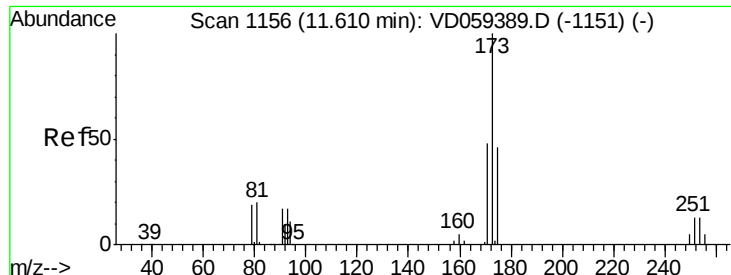
#70
Styrene
Concen: 23.41 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

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

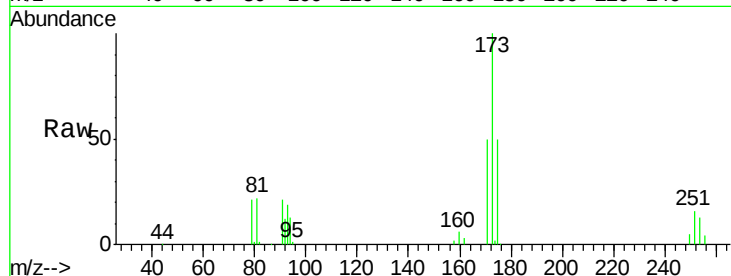




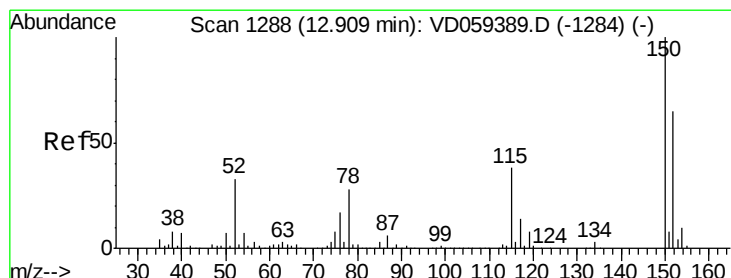
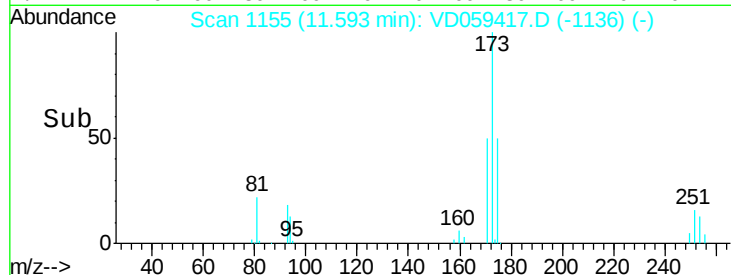
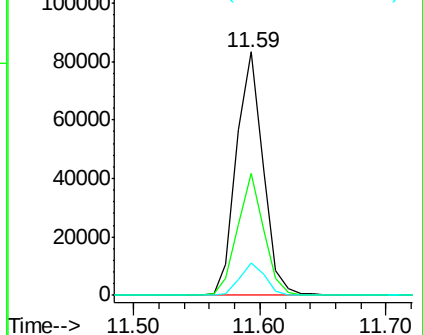
#71
Bromoform
Concen: 21.88 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

Instrument :
MSVOA_D
ClientSampleId :

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

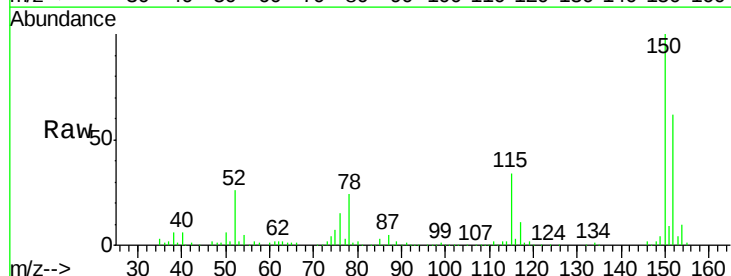


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

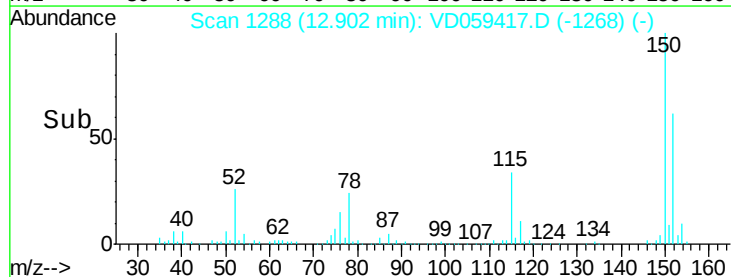
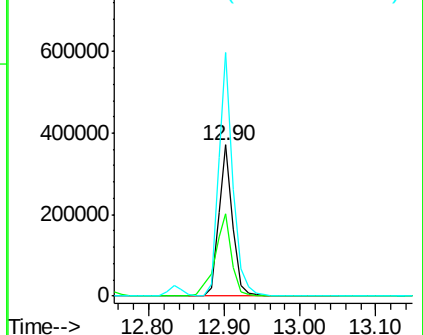


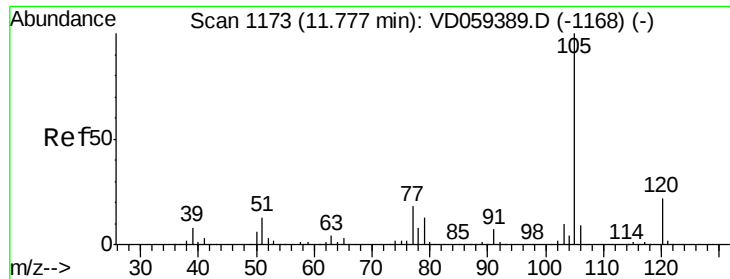
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

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

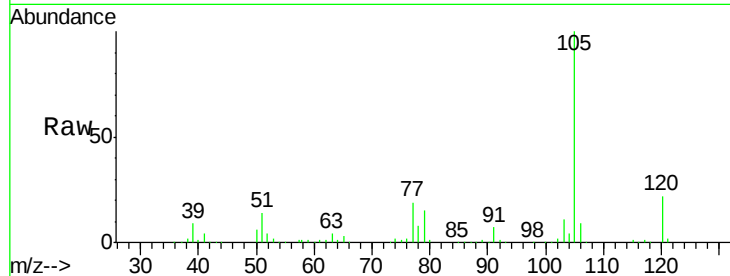
ClientSampleId :

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

11.76

400000

300000

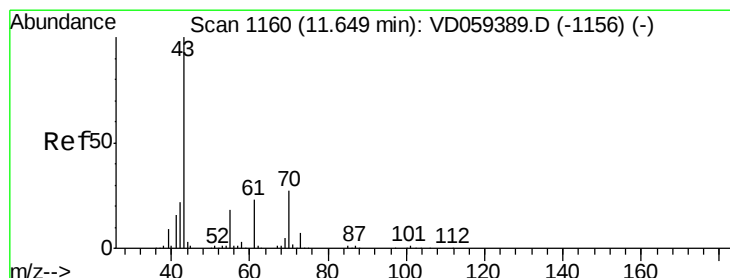
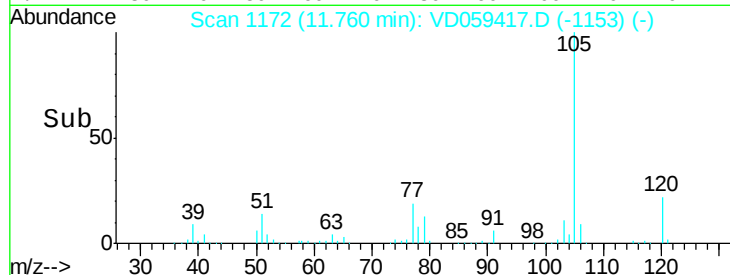
200000

100000

0

Time-->

11.70 11.80 11.90



#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

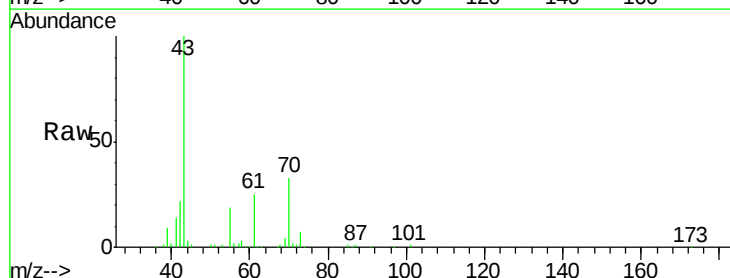
Ion Ratio Lower Upper

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

200000

150000

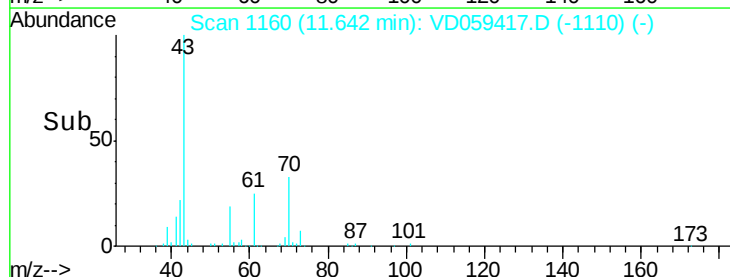
100000

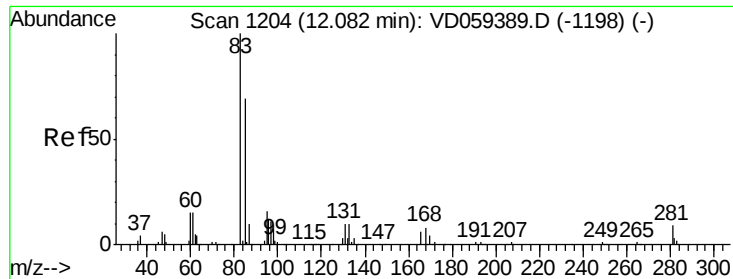
50000

0

Time-->

11.60 11.70





#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

ClientSampled :

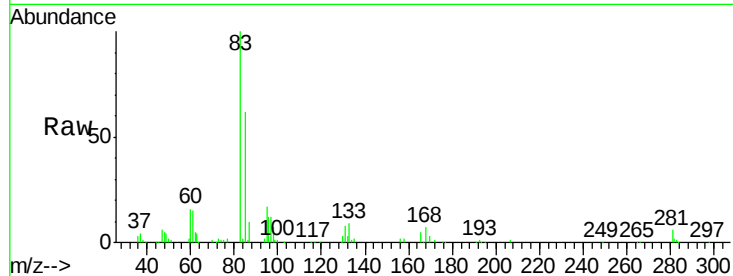
Tot Ion: 83 Resp: 146058

Ion Ratio Lower Upper

83 100

131 8.2 4.9 14.6

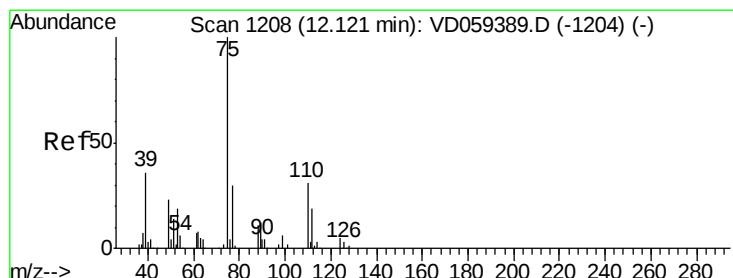
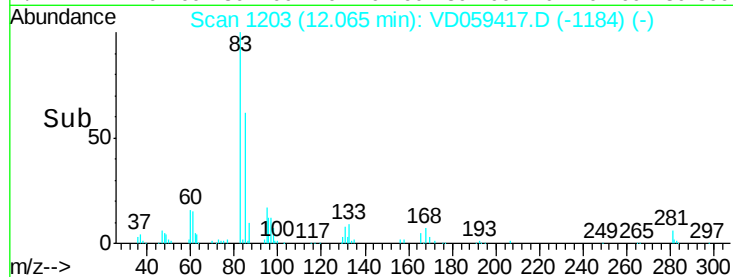
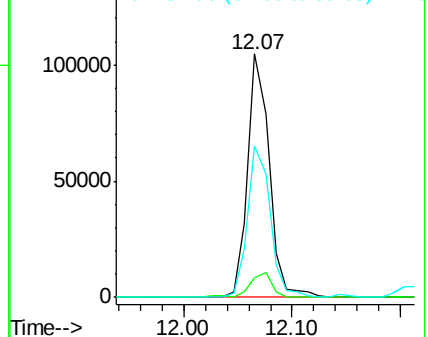
85 62.2 34.6 103.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#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

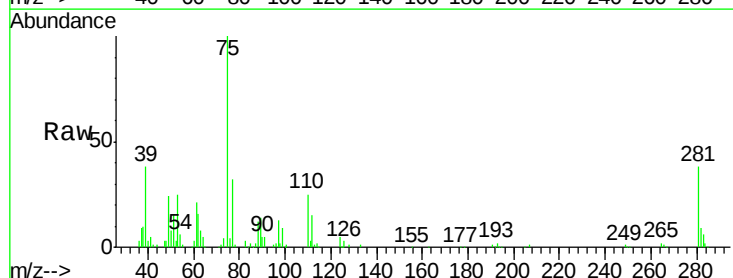
Acq: 26 Jun 2018 11:27

Tgt Ion: 75 Resp: 151322

Ion Ratio Lower Upper

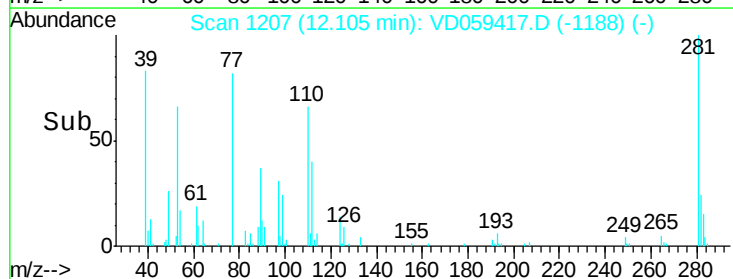
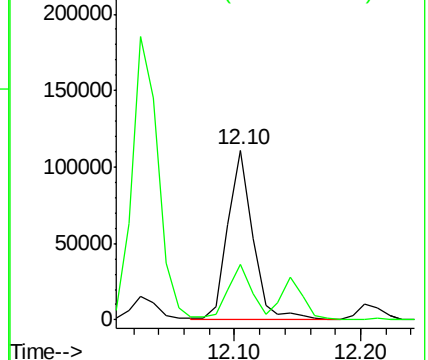
75 100

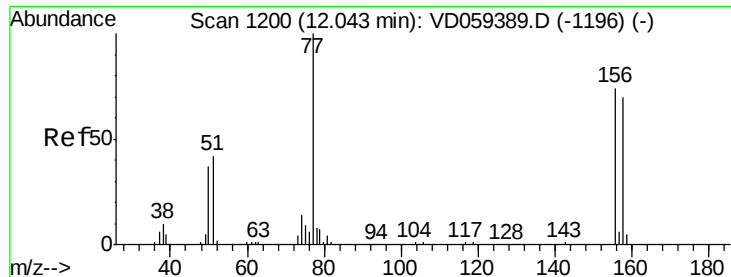
77 32.3 15.6 46.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#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 :

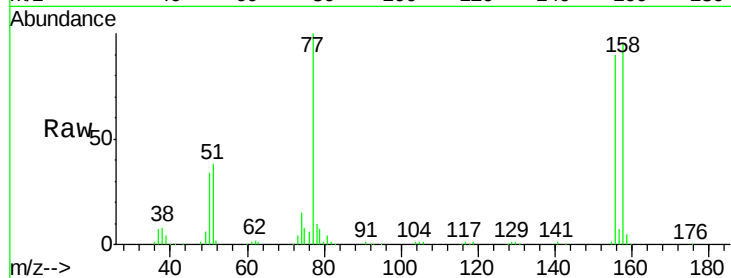
Tot Ion:156 Resp: 196731

Ion Ratio Lower Upper

156 100

77 110.8 68.0 203.8

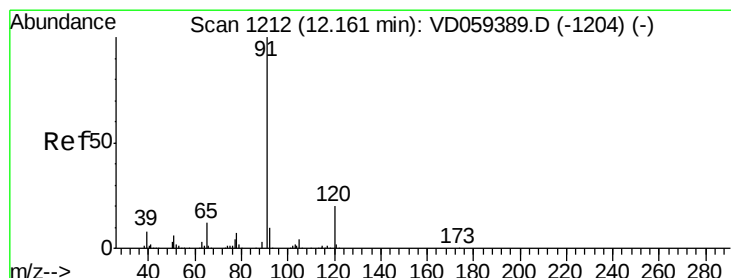
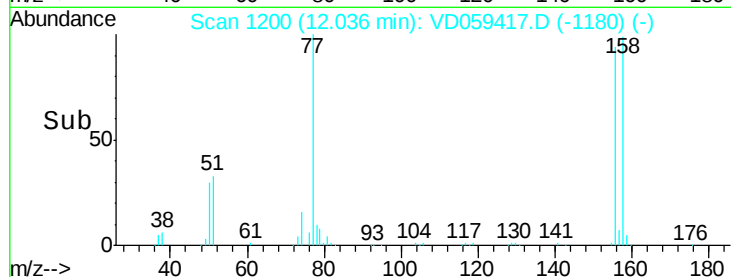
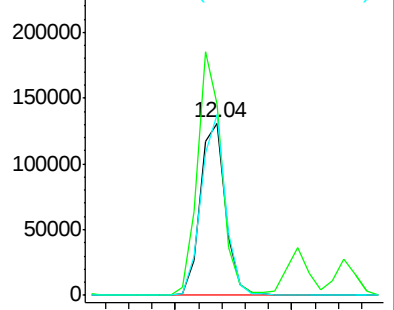
158 105.4 47.7 143.1



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

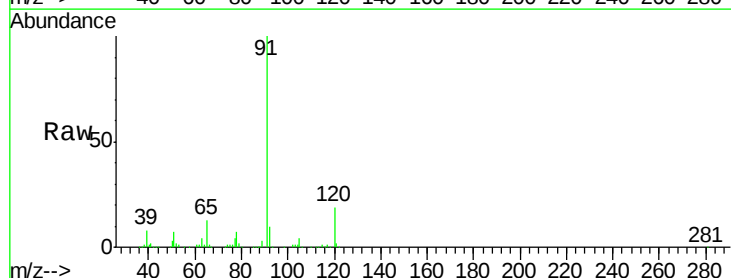
Acq: 26 Jun 2018 11:27

Tgt Ion: 91 Resp: 840468

Ion Ratio Lower Upper

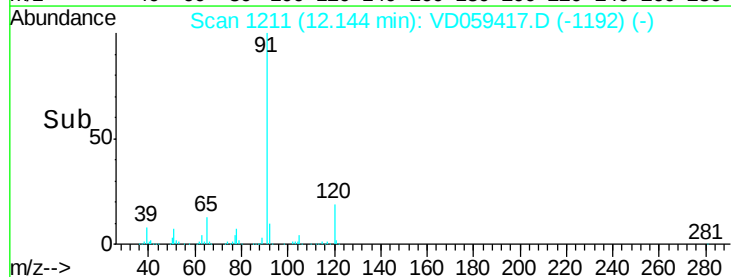
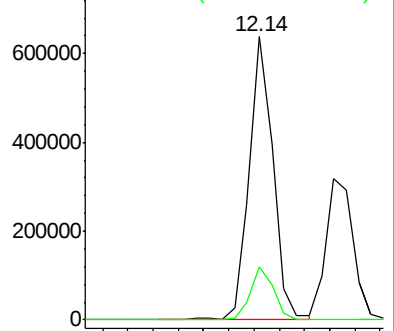
91 100

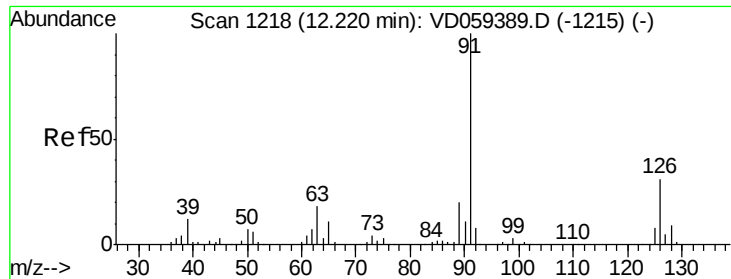
120 18.5 10.0 29.8



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

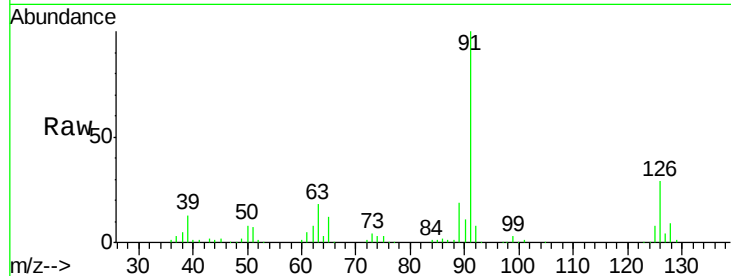
ClientSampleId :

Tot Ion: 91 Resp: 478639

Ion Ratio Lower Upper

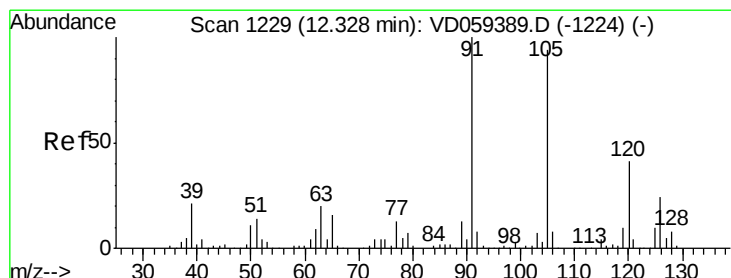
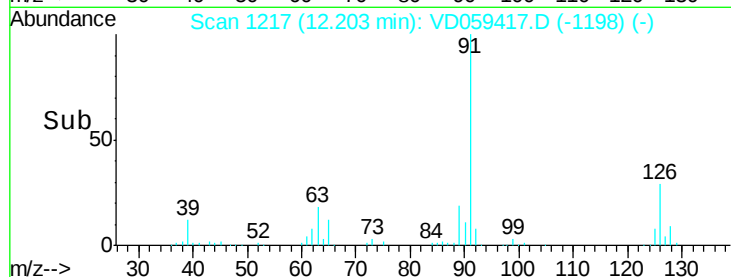
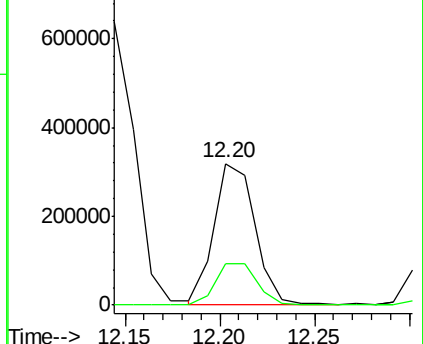
91 100

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

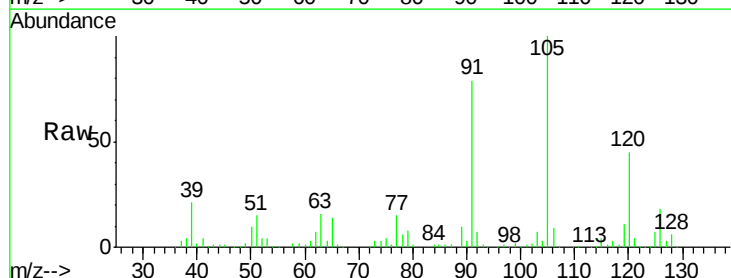
Acq: 26 Jun 2018 11:27

Tgt Ion: 105 Resp: 519114

Ion Ratio Lower Upper

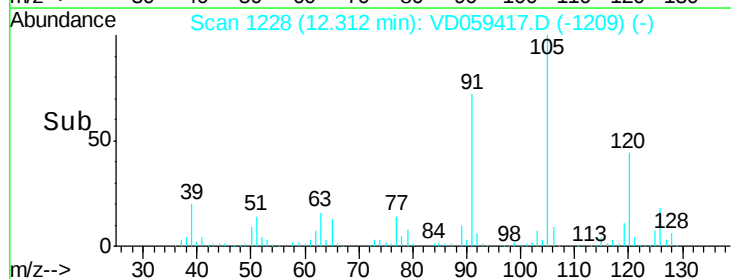
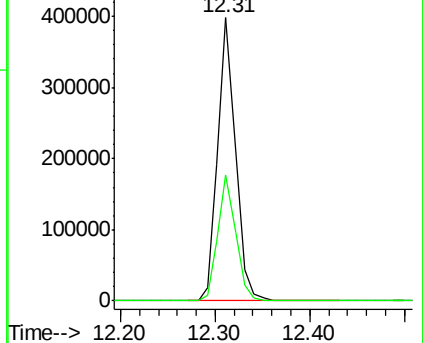
105 100

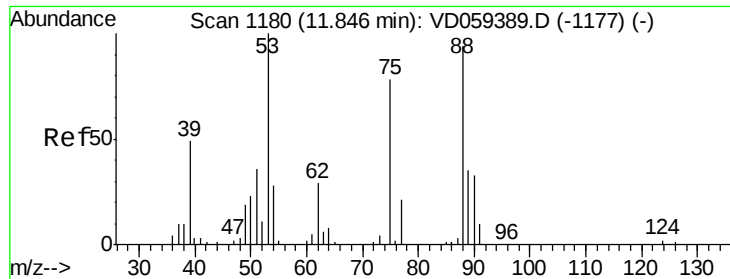
120 44.7 21.9 65.7



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 :

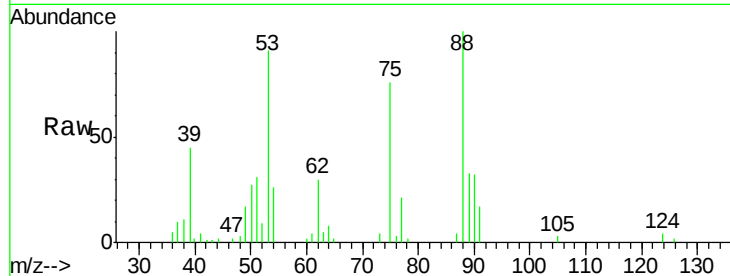
Tot Ion: 75 Resp: 30748

Ion Ratio Lower Upper

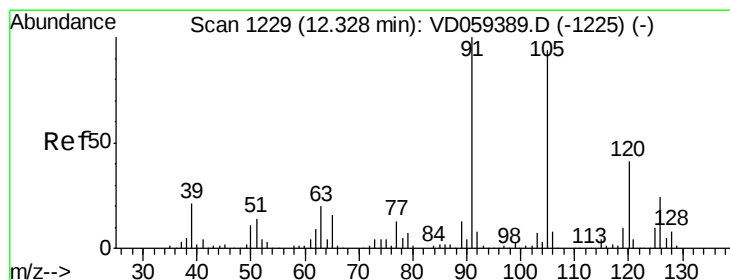
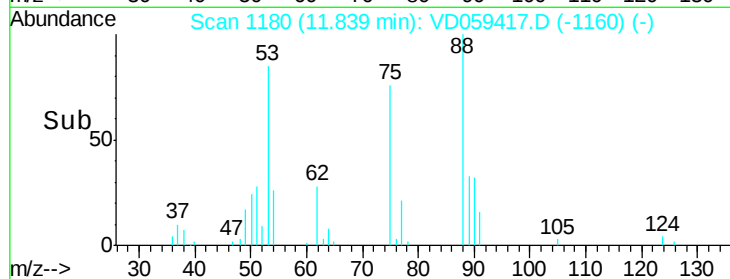
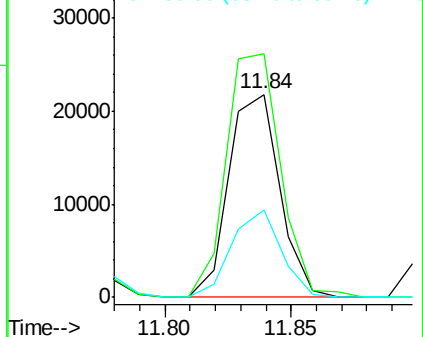
75 100

53 119.8 102.6 154.0

89 43.1 35.9 53.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 24.27 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD059417.D

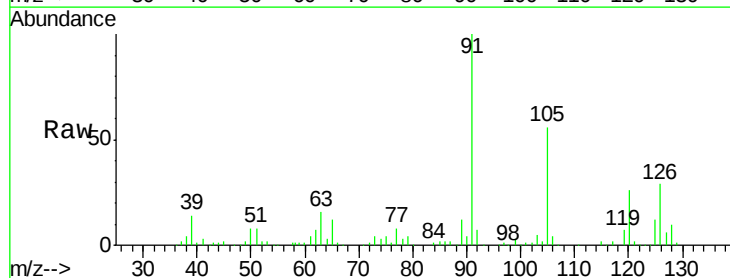
Acq: 26 Jun 2018 11:27

Tgt Ion: 91 Resp: 551870

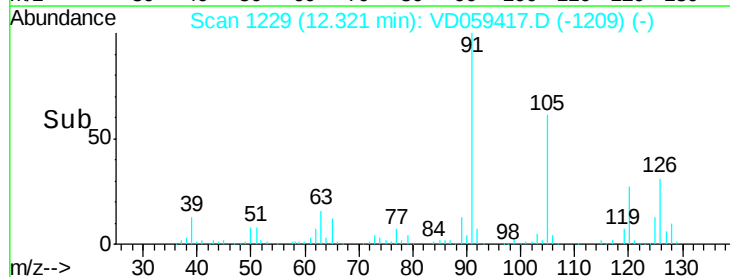
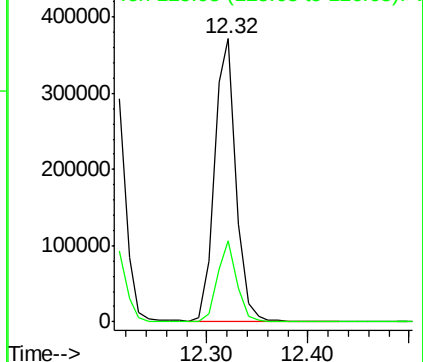
Ion Ratio Lower Upper

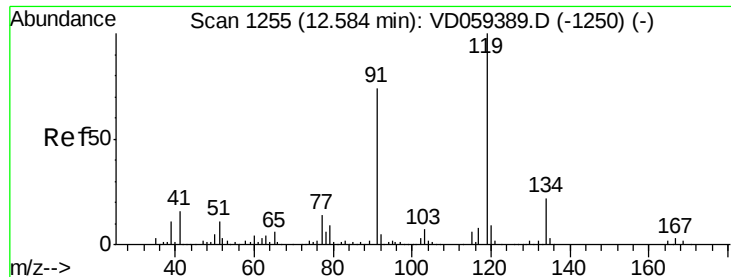
91 100

126 28.8 12.2 36.6



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

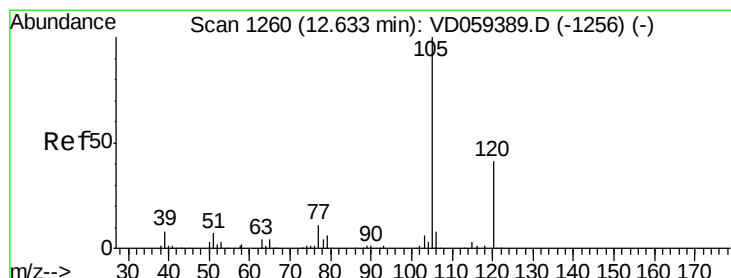
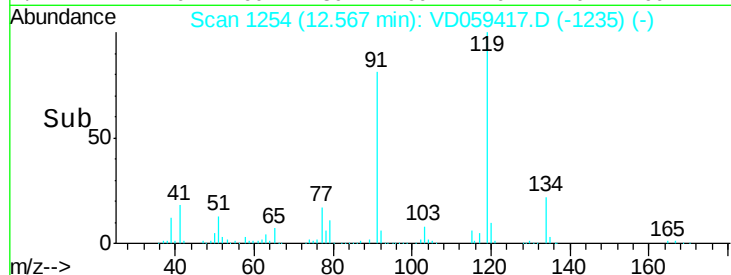
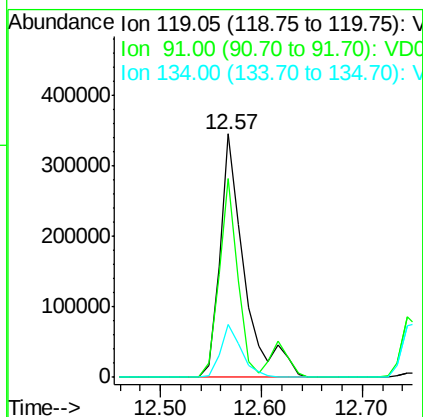
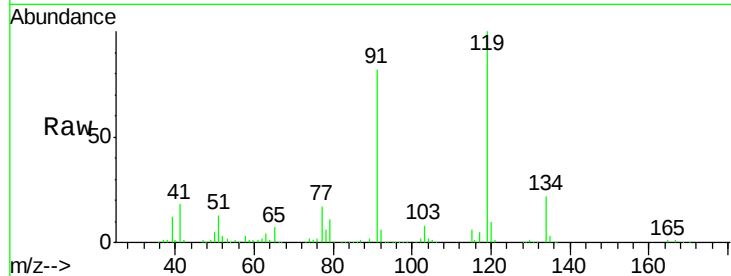




#83
 tert-Butylbenzene
 Concen: 25.43 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.02 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

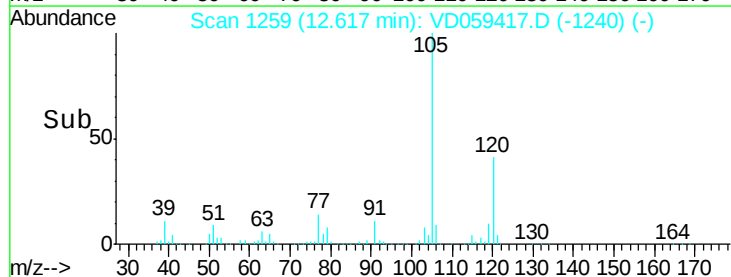
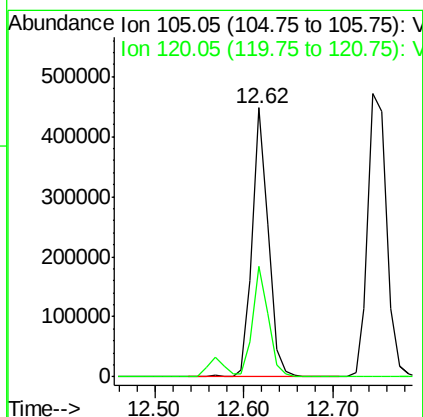
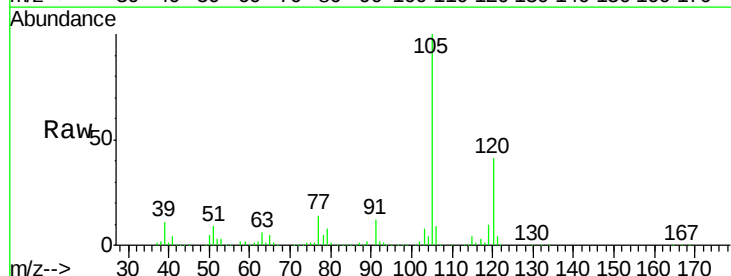
Instrument :
 MSVOA_D
 ClientSampleId :

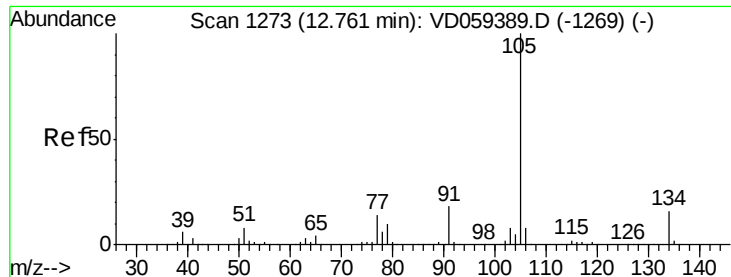
Tot Ion:119 Resp: 580509
 Ion Ratio Lower Upper
 119 100
 91 81.8 36.9 110.7
 134 21.8 11.2 33.6



#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

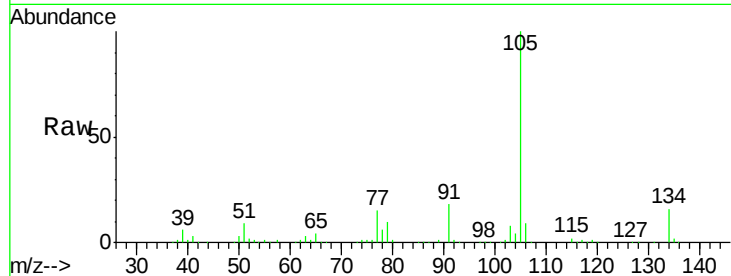
ClientSampleId :

Tot Ion:105 Resp: 693919

Ion Ratio Lower Upper

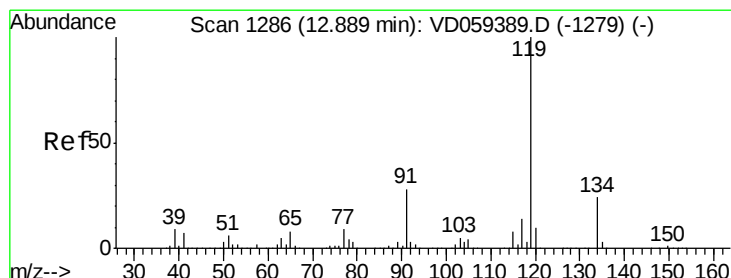
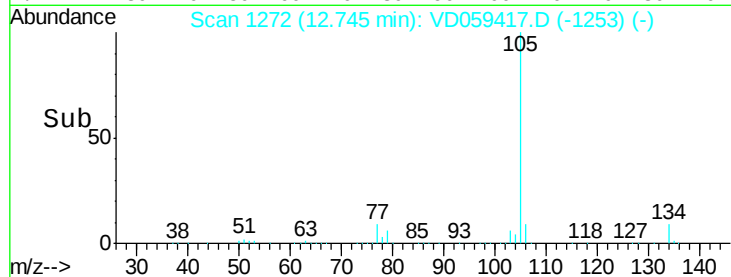
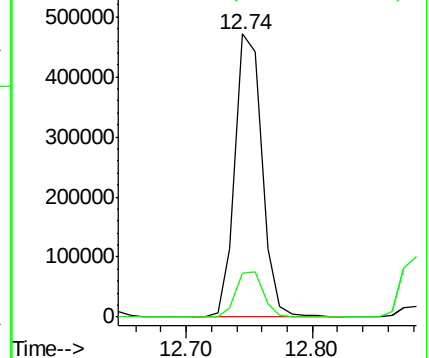
105 100

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

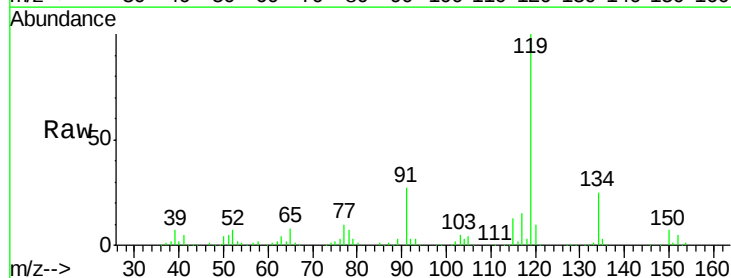
Tgt Ion:119 Resp: 553736

Ion Ratio Lower Upper

119 100

134 24.9 11.9 35.5

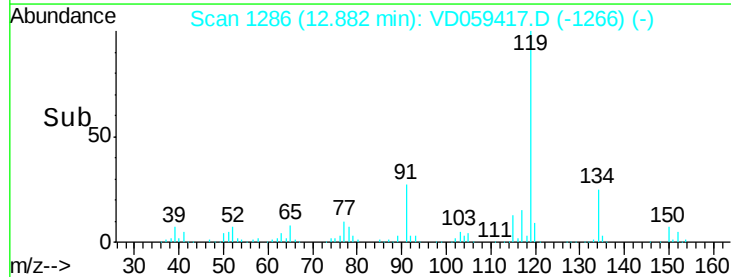
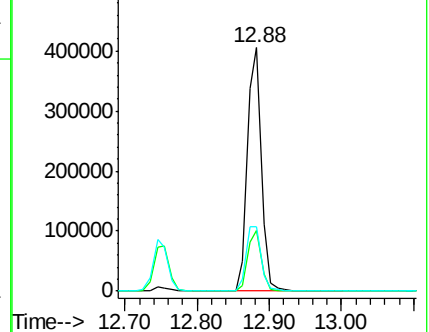
91 26.7 14.1 42.4

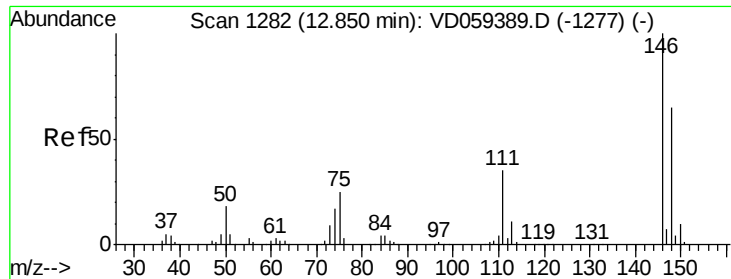


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

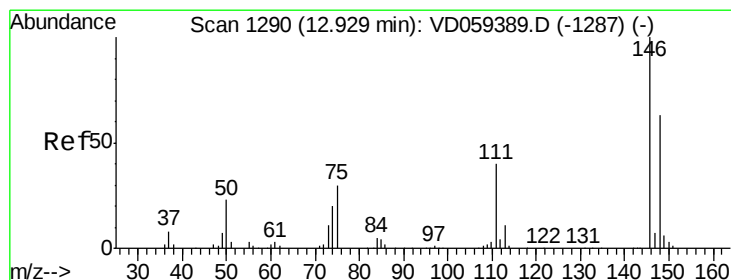
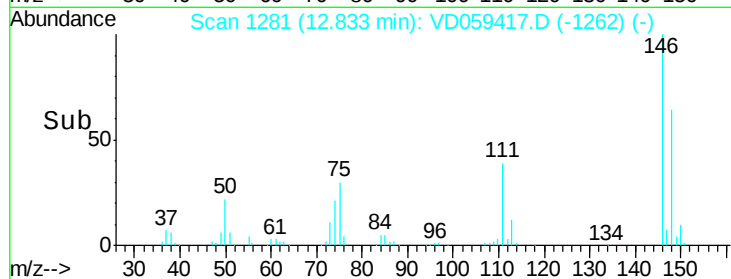
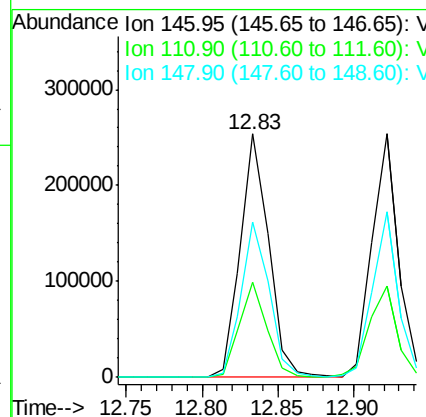
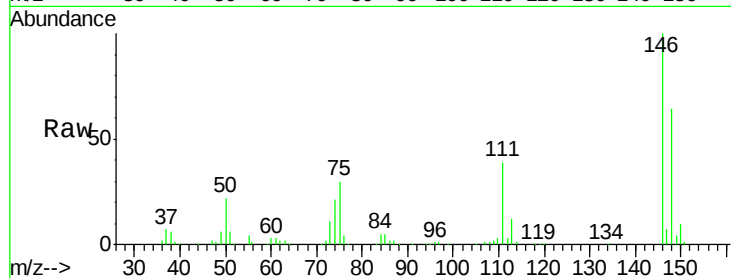




#87
 1,3-Dichlorobenzene
 Concen: 23.65 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.02 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

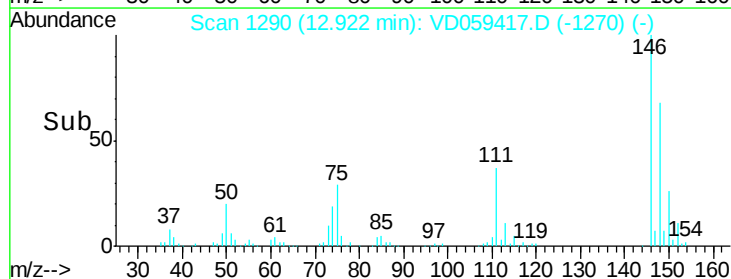
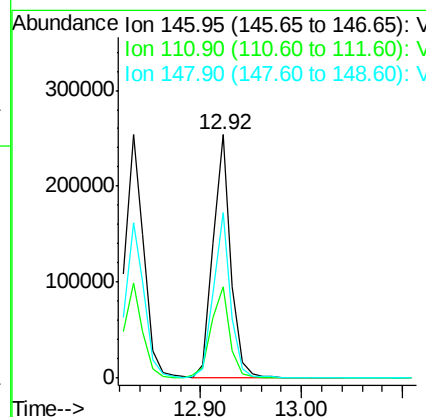
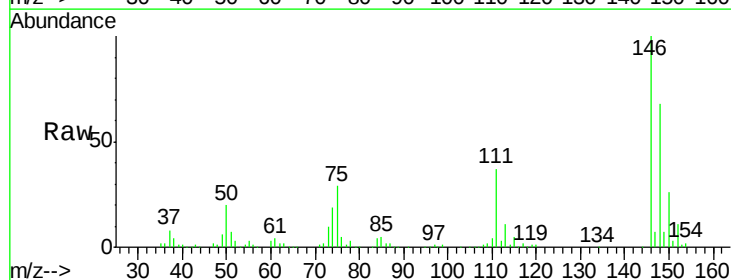
Instrument :
 MSVOA_D
 ClientSampleId :

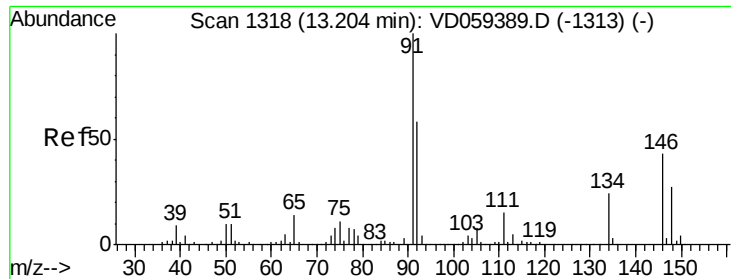
Tot Ion:146 Resp: 330159
 Ion Ratio Lower Upper
 146 100
 111 39.1 17.6 52.8
 148 63.6 32.4 97.2



#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

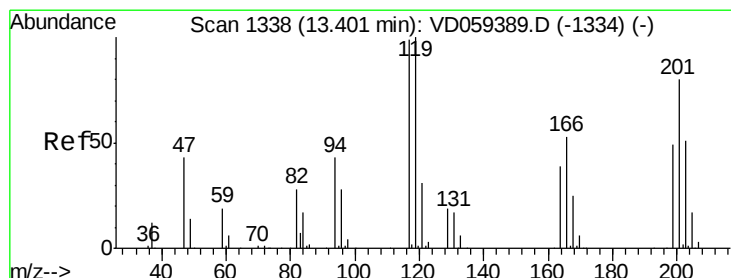
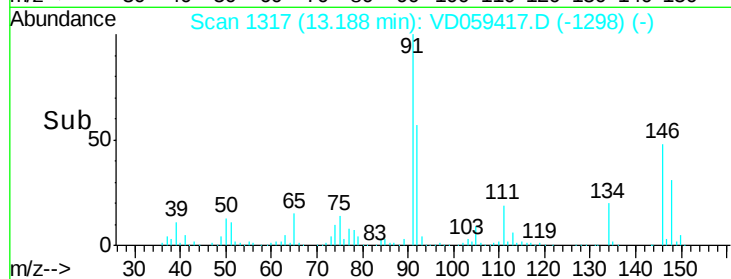
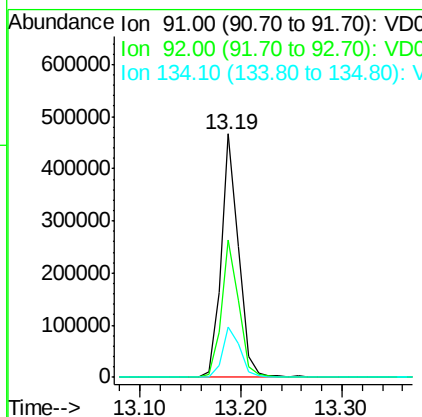
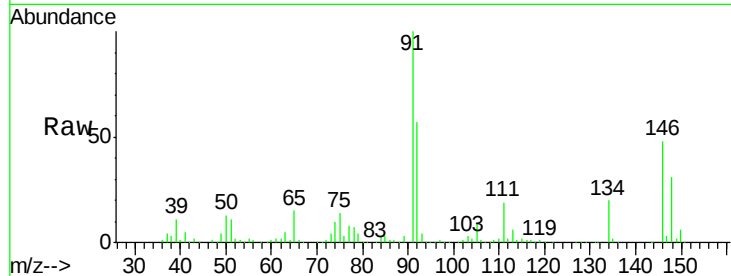




#89
n-Butylbenzene
Concen: 25.19 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

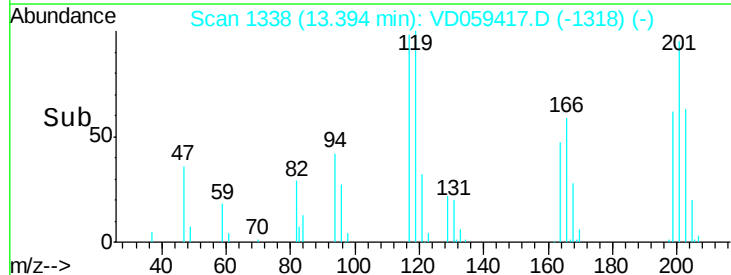
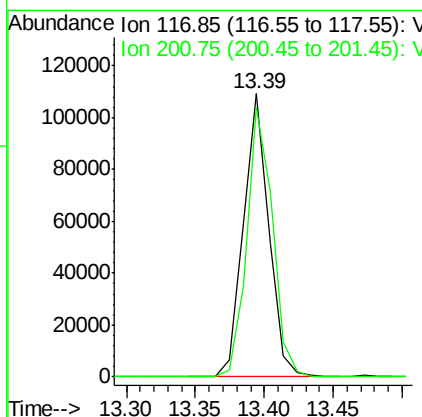
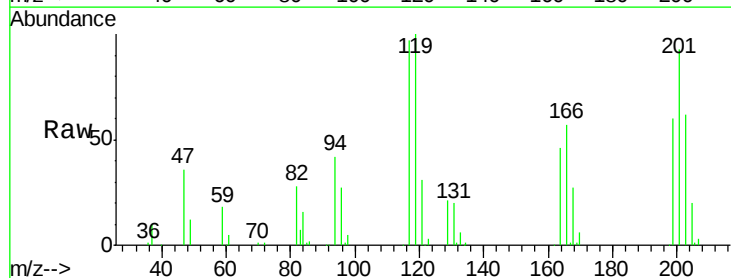
Instrument :
MSVOA_D
ClientSampleId :

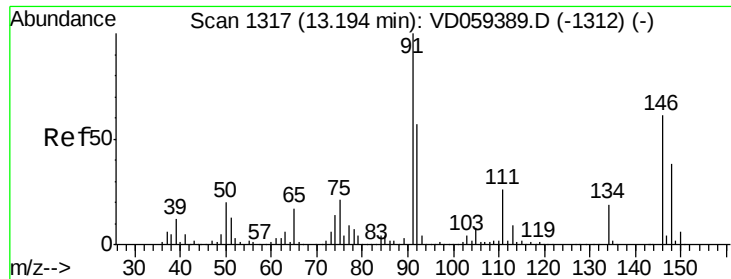
Tot Ion: 91 Resp: 561573
Ion Ratio Lower Upper
91 100
92 56.6 28.8 86.5
134 20.5 11.9 35.7



#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

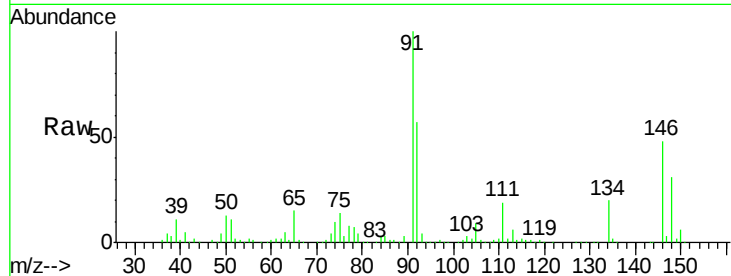




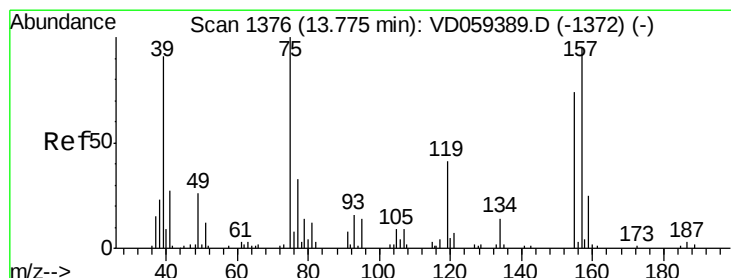
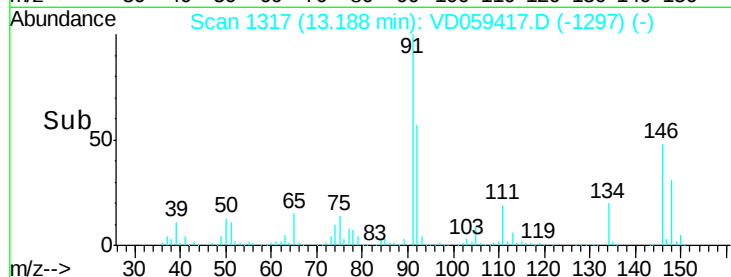
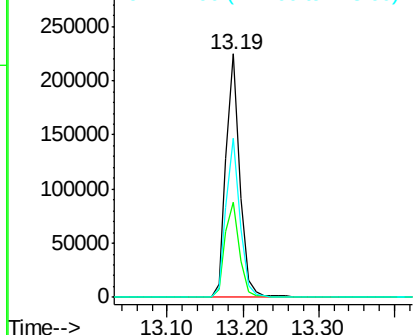
#91
 1,2-Dichlorobenzene
 Concen: 24.33 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

Instrument :
 MSVOA_D
 ClientSampleId :

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

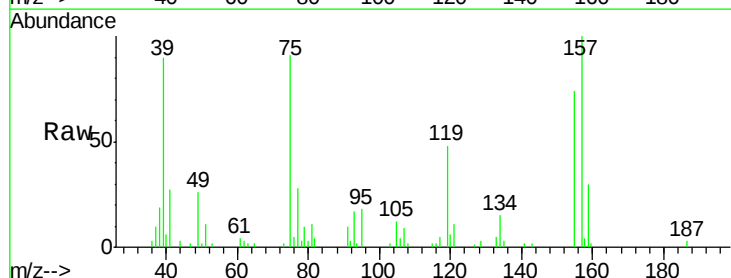


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

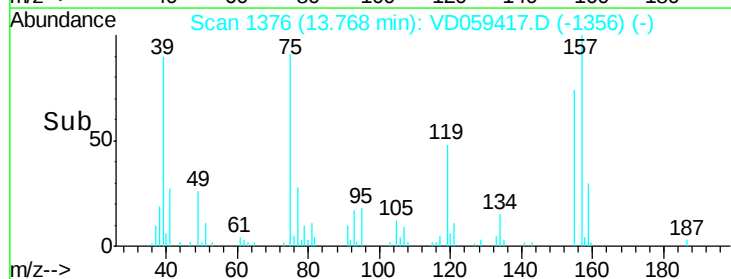
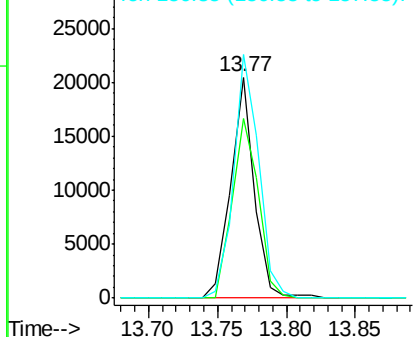


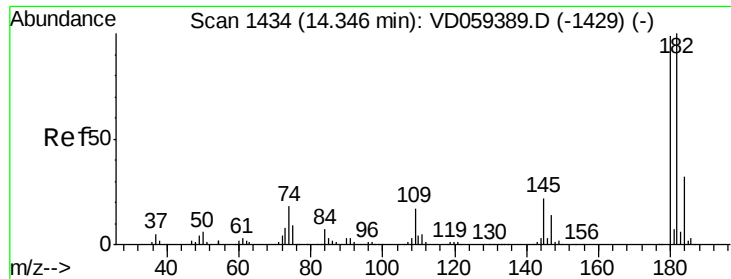
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.37 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

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

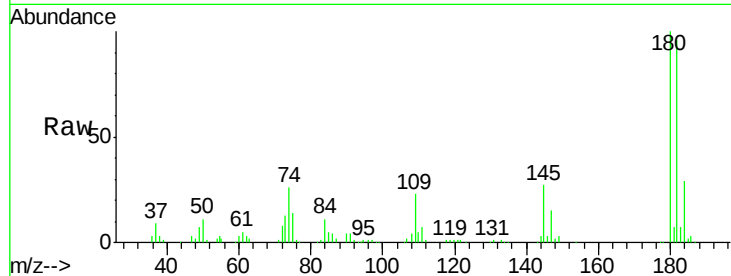




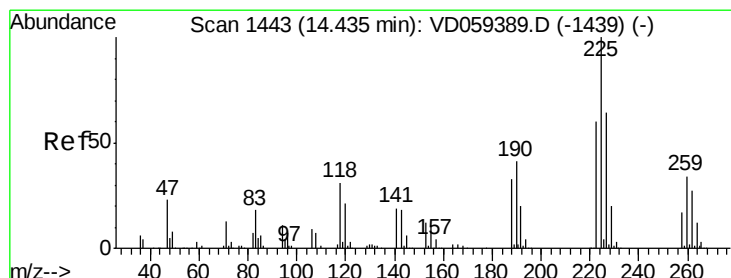
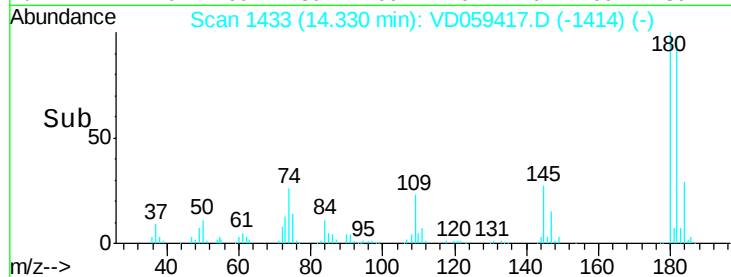
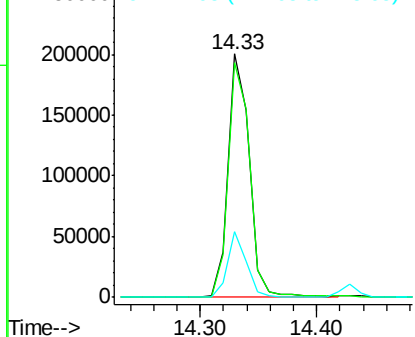
#93
 1,2,4-Trichlorobenzene
 Concen: 23.21 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

Instrument :
 MSVOA_D
 ClientSampled :

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

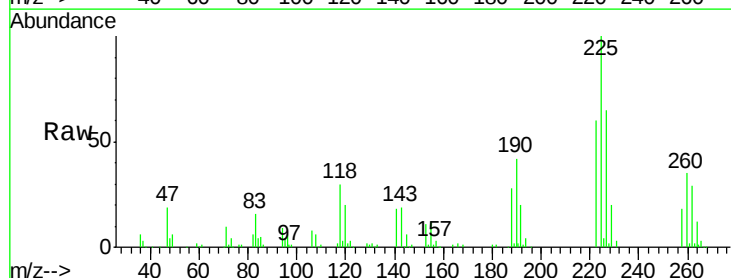


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

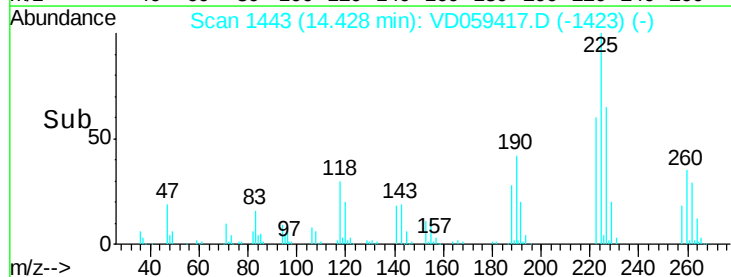
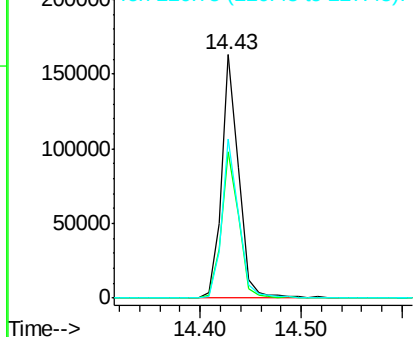


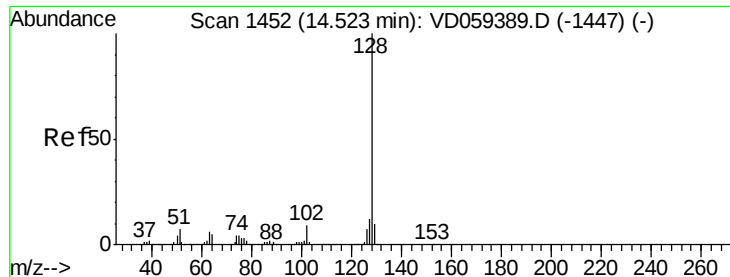
#94
 Hexachlorobutadiene
 Concen: 23.53 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD059417.D
 Acq: 26 Jun 2018 11:27

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

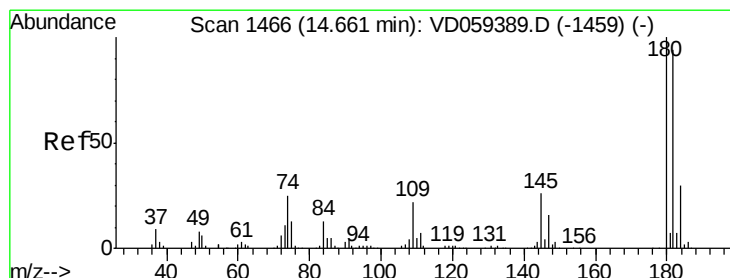
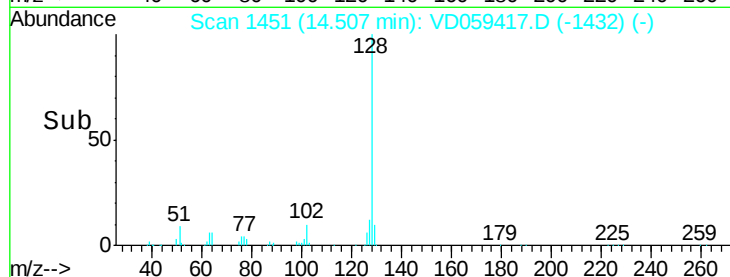
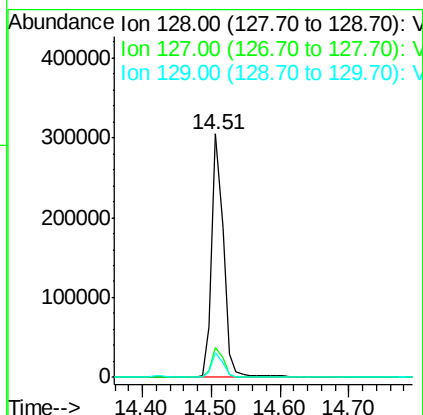
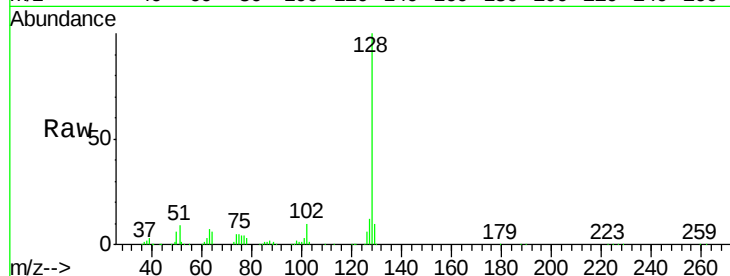




#95
Naphthalene
Concen: 23.79 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.02 min
Lab File: VD059417.D
Acq: 26 Jun 2018 11:27

Instrument :
MSVOA_D
ClientSampleId :

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



#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

