

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062618\
 Data File : VD059418.D
 Acq On : 26 Jun 2018 11:55
 Operator : VA/AP
 Sample : VD0626SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

Quant Time: Jun 26 13:25:50 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	874695	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.68	114	1210219	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	981455	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	507944	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	419468	46.89	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	93.78%	
35) Dibromofluoromethane	5.54	113	455594	46.22	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	92.44%	
50) Toluene-d8	8.70	98	1021626	44.33	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	88.66%	
62) 4-Bromofluorobenzene	11.93	95	425031	44.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	188113	24.17	ug/l	95
3) Chloromethane	1.49	50	94022	23.22	ug/l	91
4) Vinyl Chloride	1.56	62	96924	23.07	ug/l	95
5) Bromomethane	1.79	94	33582	21.50	ug/l	87
6) Chloroethane	1.88	64	34139	17.71	ug/l	95
7) Trichlorofluoromethane	2.08	101	132011	21.79	ug/l	96
8) Diethyl Ether	2.34	74	30594	22.32	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.55	101	86976	23.10	ug/l	90
10) Methyl Iodide	2.68	142	95095	21.63	ug/l	95
11) Tert butyl alcohol	3.27	59	30676	99.13	ug/l	96
12) 1,1-Dichloroethene	2.54	96	66376	23.03	ug/l	94
13) Acrolein	2.47	56	29835	107.85	ug/l	93
14) Allyl chloride	2.91	41	153162	23.22	ug/l	99
15) Acrylonitrile	3.34	53	102214	107.62	ug/l	97
16) Acetone	2.61	43	120783	106.99	ug/l	# 91
17) Carbon Disulfide	2.74	76	201788	22.86	ug/l	98
18) Methyl Acetate	2.93	43	53667	20.83	ug/l	96
19) Methyl tert-butyl Ether	3.39	73	300668	21.19	ug/l	99
20) Methylene Chloride	3.06	84	89494	27.46	ug/l	89
21) trans-1,2-Dichloroethene	3.39	96	105449	20.69	ug/l	87
22) Diisopropyl ether	4.06	45	544062	21.92	ug/l	95
23) Vinyl Acetate	4.00	43	1468003	113.51	ug/l	99
24) 1,1-Dichloroethane	3.96	63	336973	23.73	ug/l	98
25) 2-Butanone	4.83	43	257354	108.82	ug/l	100
26) 2,2-Dichloropropane	4.79	77	227302	20.64	ug/l	94
27) cis-1,2-Dichloroethene	4.79	96	189129	22.09	ug/l	96
28) Bromochloromethane	5.14	49	137622	22.35	ug/l	99
29) Tetrahydrofuran	5.17	42	136166	105.26	ug/l	97
30) Chloroform	5.31	83	361505	23.35	ug/l	93
31) Cyclohexane	5.58	56	228515	22.22	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	294972	23.53	ug/l	97
36) 1,1-Dichloropropene	5.73	75	234014	21.32	ug/l	100
37) Ethyl Acetate	4.92	43	136385	20.40	ug/l	95
38) Carbon Tetrachloride	5.71	117	237541	20.99	ug/l	98

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleID :
 VD0626SBS01

Quant Time: Jun 26 13:25:50 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	207619	19.94	ug/l	93
40) Benzene	6.00	78	545079	20.69	ug/l	100
41) Methacrylonitrile	5.11	41	59915	18.61	ug/l	98
42) 1,2-Dichloroethane	6.12	62	243665	20.93	ug/l	96
43) Isopropyl Acetate	7.61	43	173051	20.61	ug/l #	94
44) Trichloroethene	6.97	130	177629	20.59	ug/l	99
45) 1,2-Dichloropropane	7.34	63	149343	20.47	ug/l	90
46) Dibromomethane	7.45	93	108801	20.73	ug/l	94
47) Bromodichloromethane	7.73	83	260458	22.18	ug/l	97
48) Methyl methacrylate	7.50	41	101057	19.76	ug/l	100
49) 1,4-Dioxane	7.48	88	21922	427.32	ug/l	97
51) 4-Methyl-2-Pentanone	8.58	43	589922	105.44	ug/l	98
52) Toluene	8.79	92	337616	21.46	ug/l	99
53) t-1,3-Dichloropropene	9.17	75	198341	20.21	ug/l	97
54) cis-1,3-Dichloropropene	8.34	75	231061	20.34	ug/l	97
55) 1,1,2-Trichloroethane	9.44	97	118837	20.80	ug/l	97
56) Ethyl methacrylate	9.30	69	138500	21.25	ug/l	95
57) 1,3-Dichloropropane	9.65	76	193883	20.75	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.18	63	359651	107.18	ug/l	100
59) 2-Hexanone	9.77	43	405428	101.96	ug/l	97
60) Dibromochloromethane	9.95	129	165547	20.69	ug/l	94
61) 1,2-Dibromoethane	10.08	107	132729	20.86	ug/l	96
64) Tetrachloroethene	9.50	164	195780	22.74	ug/l	98
65) Chlorobenzene	10.72	112	396362	22.09	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.84	131	155048	22.51	ug/l	97
67) Ethyl Benzene	10.85	91	666062	21.99	ug/l	98
68) m/p-Xylenes	11.00	106	461723	45.96	ug/l	97
69) o-Xylene	11.40	106	221071	22.26	ug/l	98
70) Styrene	11.43	104	371943	21.84	ug/l	96
71) Bromoform	11.59	173	121251	21.25	ug/l	97
73) Isopropylbenzene	11.77	105	612238	21.36	ug/l	94
74) N-amyl acetate	11.64	43	224582	20.59	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.07	83	136417	20.29	ug/l	95
76) 1,2,3-Trichloropropane	12.11	75	140892	20.11	ug/l	98
77) Bromobenzene	12.04	156	193565	21.46	ug/l	88
78) n-propylbenzene	12.14	91	812109	22.37	ug/l	99
79) 2-Chlorotoluene	12.21	91	465872	21.85	ug/l	95
80) 1,3,5-Trimethylbenzene	12.31	105	504280	22.10	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	27992	17.58	ug/l	96
82) 4-Chlorotoluene	12.32	91	548680	22.70	ug/l	93
83) tert-Butylbenzene	12.57	119	546049	22.50	ug/l	94
84) 1,2,4-Trimethylbenzene	12.62	105	538809	22.31	ug/l	96
85) sec-Butylbenzene	12.75	105	660350	22.17	ug/l	100
86) p-Isopropyltoluene	12.88	119	546460	22.76	ug/l	99
87) 1,3-Dichlorobenzene	12.83	146	327010	22.03	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	321021	21.92	ug/l	95
89) n-Butylbenzene	13.19	91	530452	22.38	ug/l	97
90) Hexachloroethane	13.39	117	130583	21.80	ug/l	88
91) 1,2-Dichlorobenzene	13.19	146	284333	22.59	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	23562	21.25	ug/l	84

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Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

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Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration

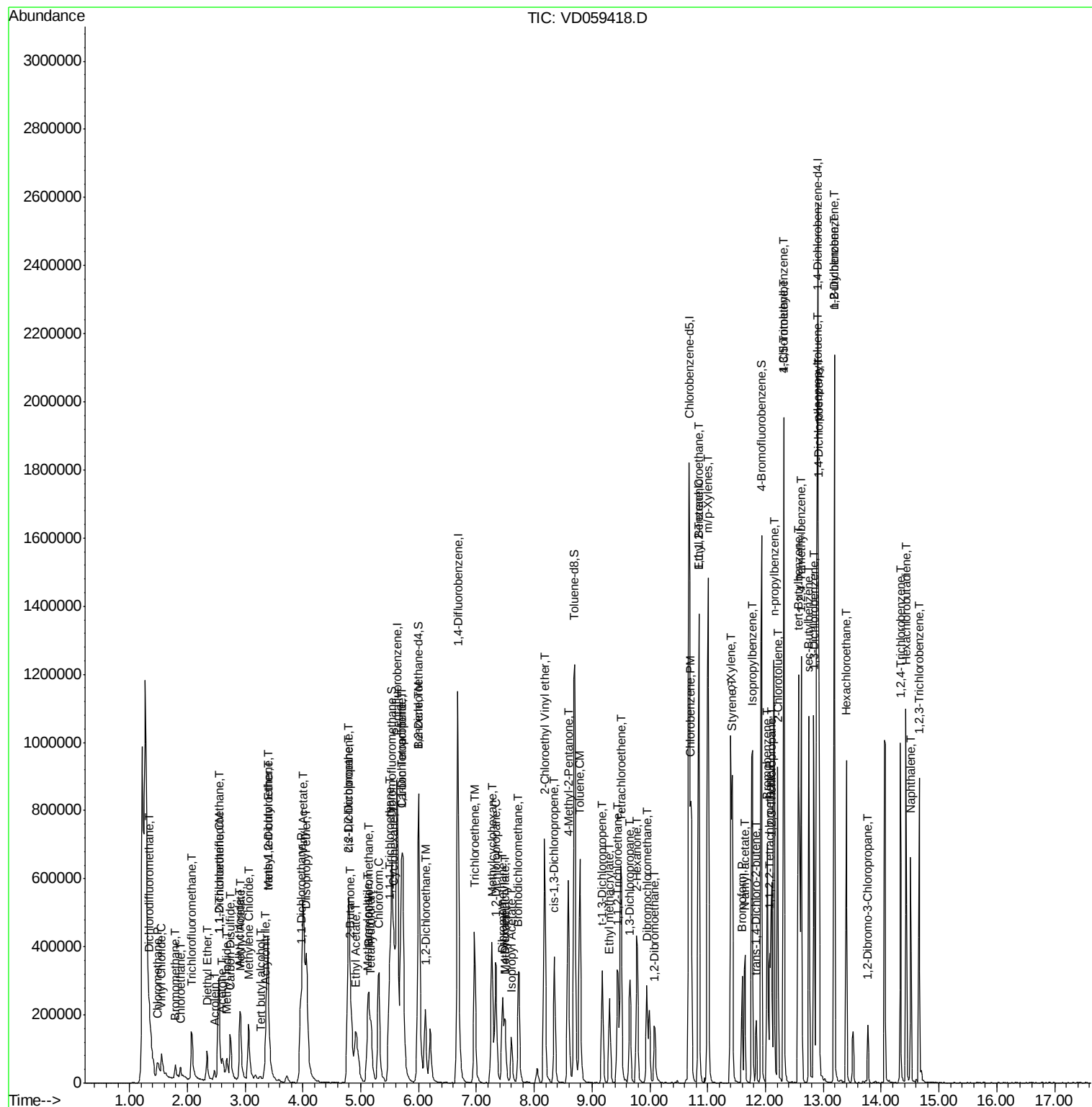
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	256204	22.02	ug/l	95
94) Hexachlorobutadiene	14.43	225	180895	20.66	ug/l	97
95) Naphthalene	14.51	128	350602	21.62	ug/l	96
96) 1,2,3-Trichlorobenzene	14.66	180	217431	20.79	ug/l	97

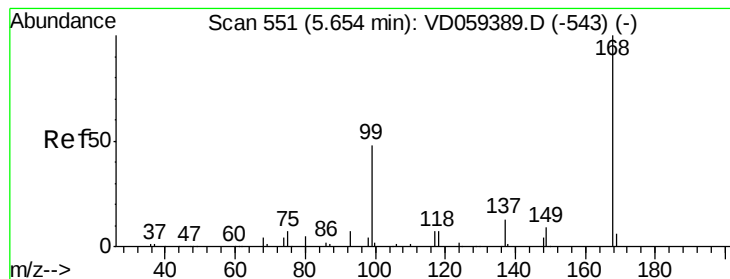
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 26 Jun 2018 11:55
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ALS Vial : 5 Sample Multiplier: 1

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VD0626SBSD01

Quant Time: Jun 26 13:25:50 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.03 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Instrument :

MSVOA_D

ClientSampleId :

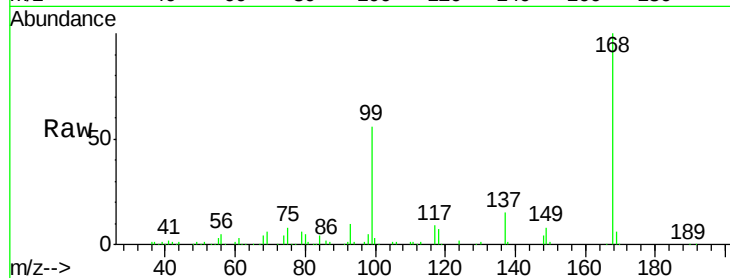
VD0626SBSD01

Tot Ion:168 Resp: 874695

Ion Ratio Lower Upper

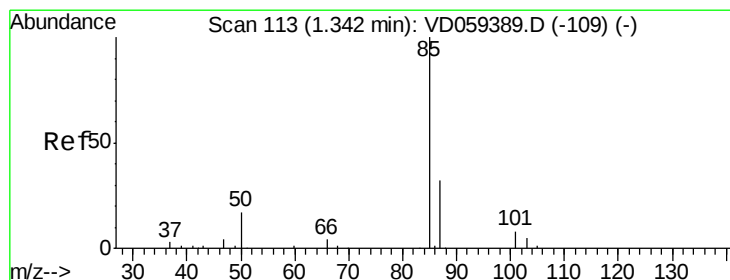
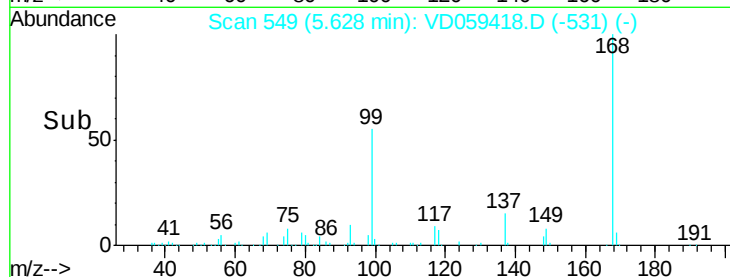
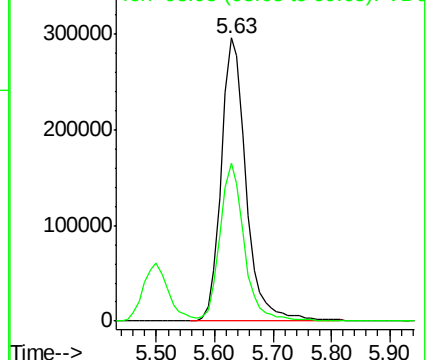
168 100

99 55.8 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: 24.17 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.00 min

Lab File: VD059418.D

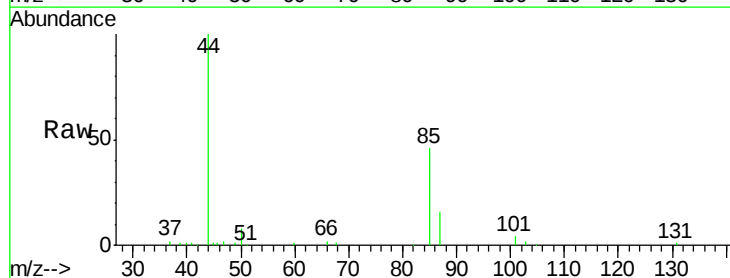
Acq: 26 Jun 2018 11:55

Tgt Ion: 85 Resp: 188113

Ion Ratio Lower Upper

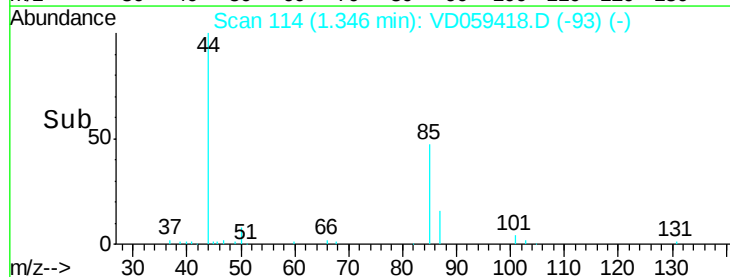
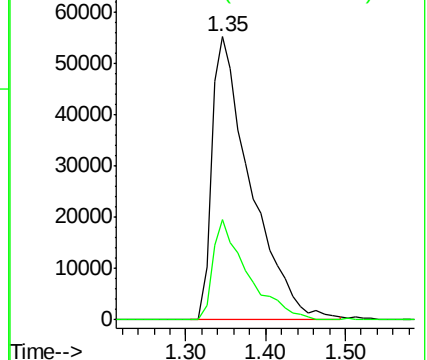
85 100

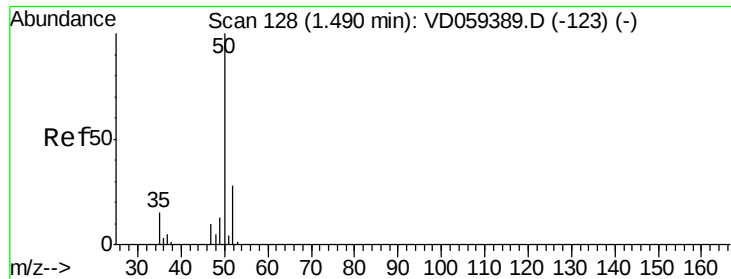
87 35.3 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.22 ug/l

RT: 1.49 min Scan# 129

Delta R.T. 0.00 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Instrument :

MSVOA_D

ClientSampleId :

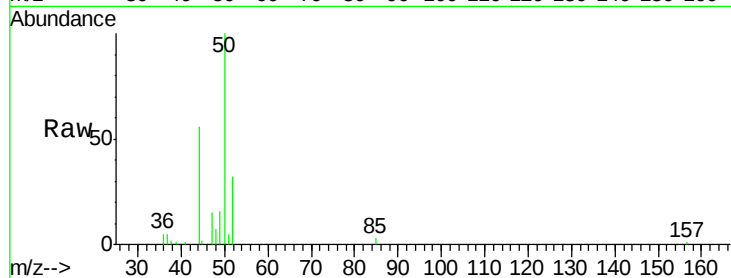
VD0626SBSD01

Tot Ion: 50 Resp: 94022

Ion Ratio Lower Upper

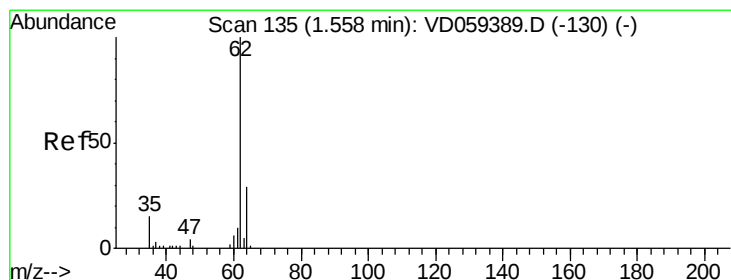
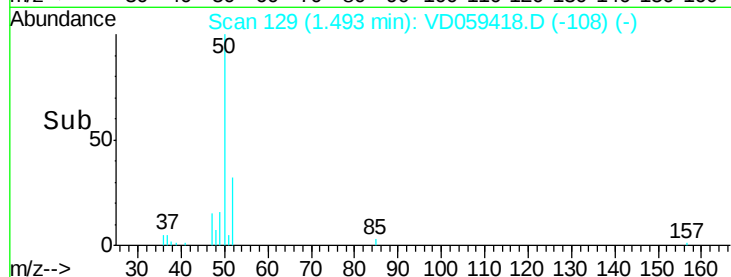
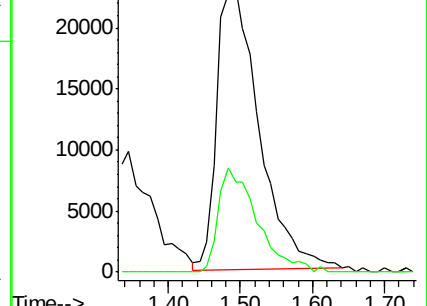
50 100

52 31.8 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: 23.07 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.00 min

Lab File: VD059418.D

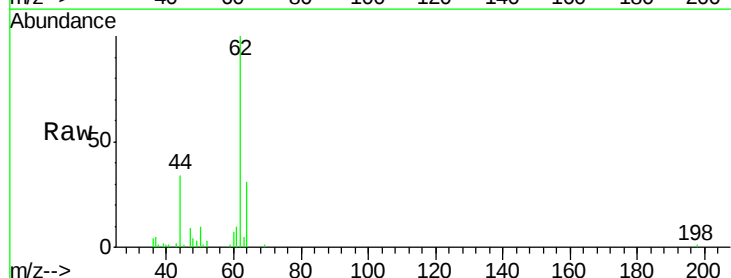
Acq: 26 Jun 2018 11:55

Tgt Ion: 62 Resp: 96924

Ion Ratio Lower Upper

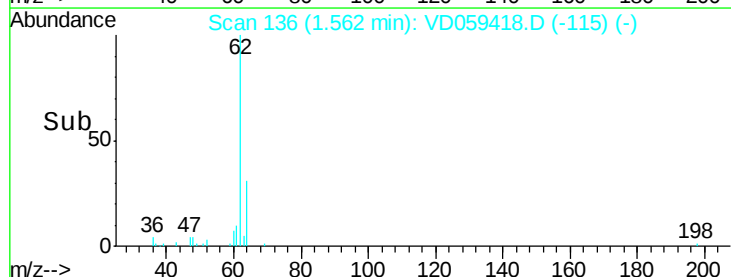
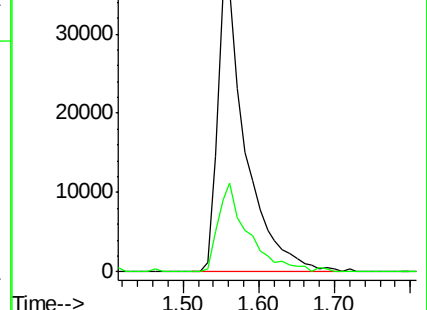
62 100

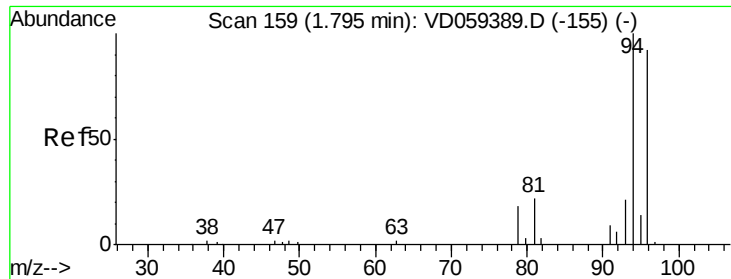
64 31.5 23.0 34.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

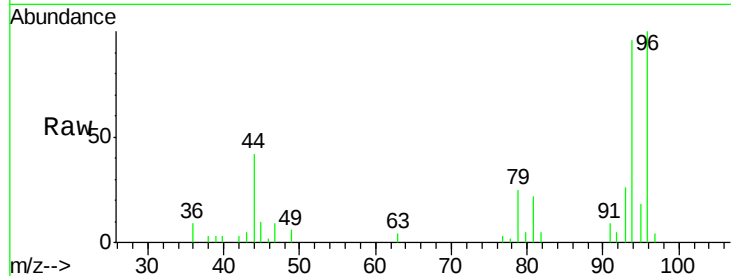




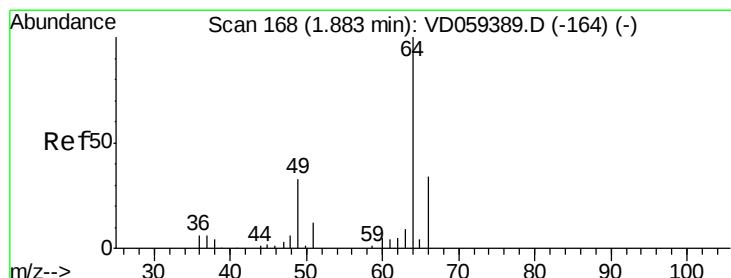
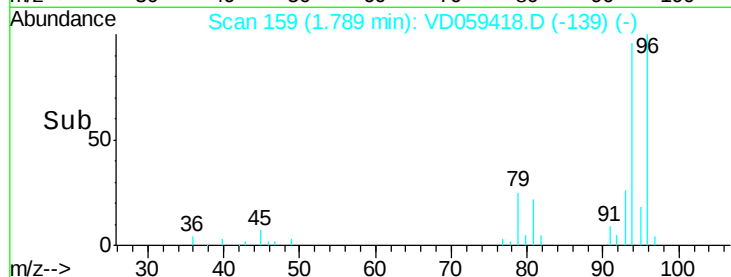
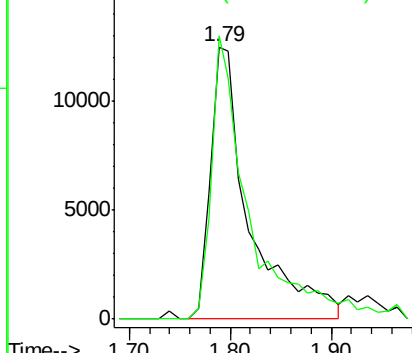
#5
Bromomethane
Concen: 21.50 ug/l
RT: 1.79 min Scan# 159
Delta R.T. -0.01 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

Tot Ion: 94 Resp: 33582
Ion Ratio Lower Upper
94 100
96 104.0 73.4 110.0

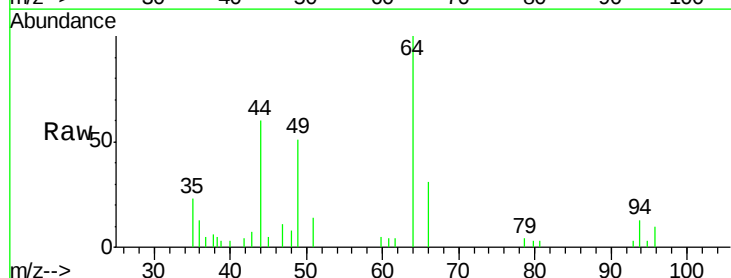


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

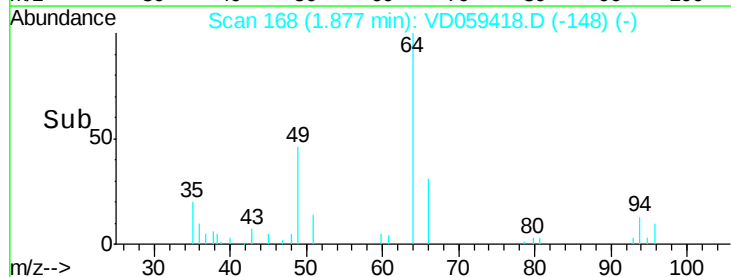
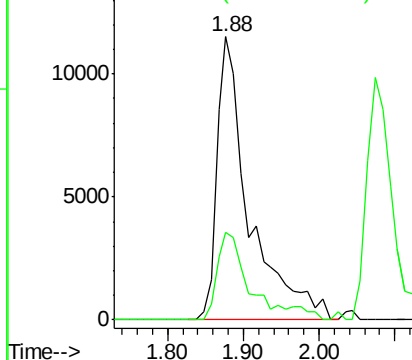


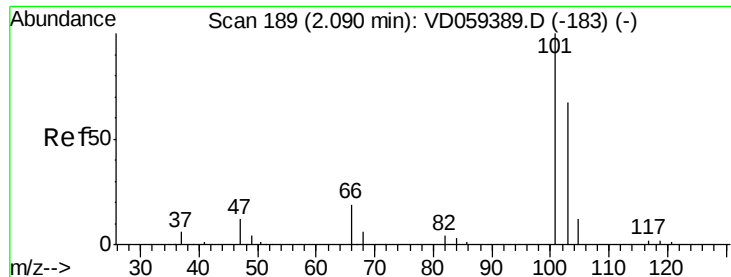
#6
Chloroethane
Concen: 17.71 ug/l
RT: 1.88 min Scan# 168
Delta R.T. -0.01 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

Tgt Ion: 64 Resp: 34139
Ion Ratio Lower Upper
64 100
66 31.2 27.1 40.7



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



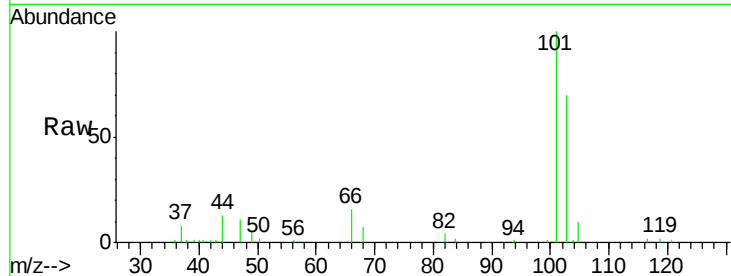


#7

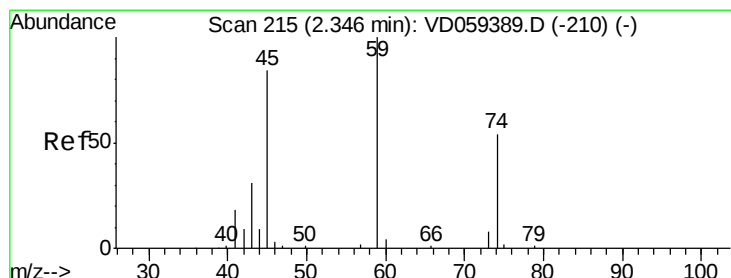
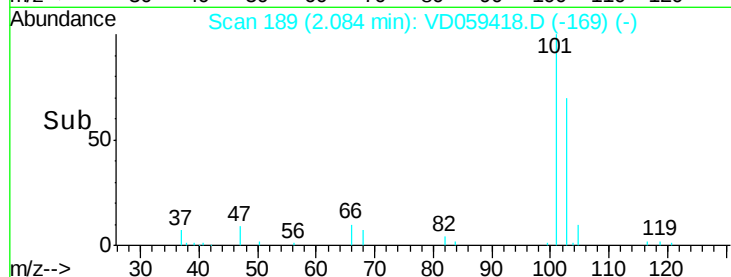
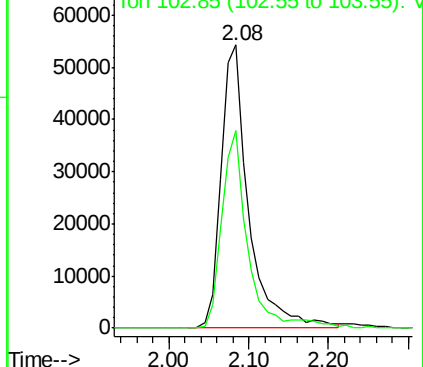
Trichlorofluoromethane
 Concen: 21.79 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. -0.01 min
 Lab File: VD059418.D
 Acq: 26 Jun 2018 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBSD01

Tot Ion:101 Resp: 132011
 Ion Ratio Lower Upper
 101 100
 103 69.7 53.4 80.0



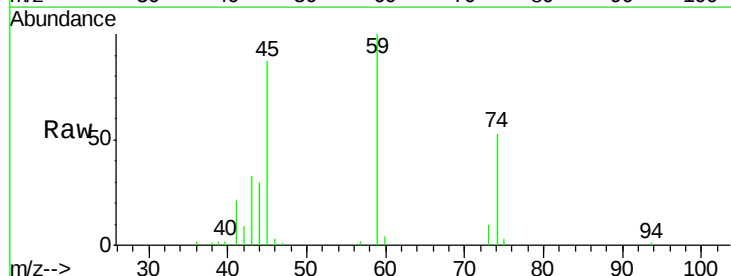
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



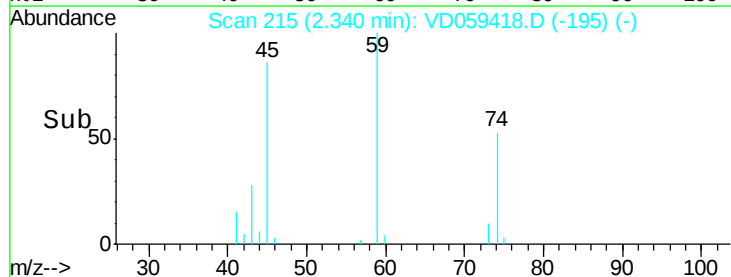
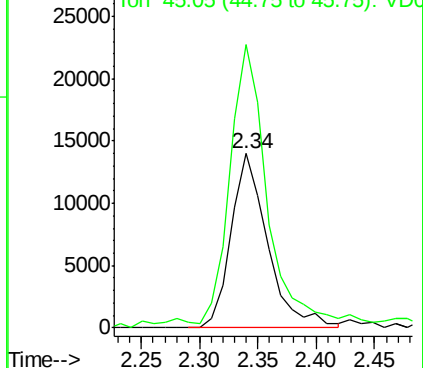
#8

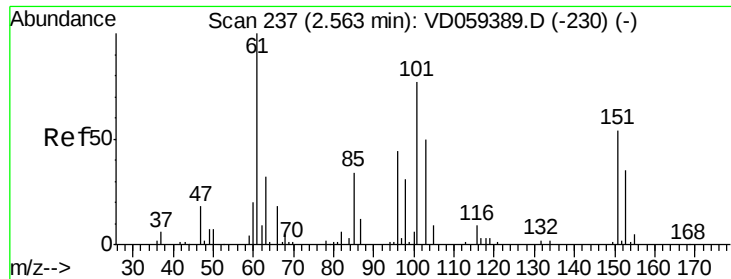
Diethyl Ether
 Concen: 22.32 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. -0.01 min
 Lab File: VD059418.D
 Acq: 26 Jun 2018 11:55

Tgt Ion: 74 Resp: 30594
 Ion Ratio Lower Upper
 74 100
 45 162.3 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: 23.10 ug/l

RT: 2.55 min Scan# 236

Delta R.T. -0.02 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBSD01

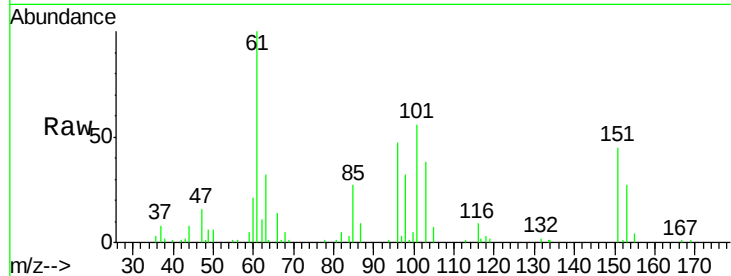
Tot Ion:101 Resp: 86976

Ion Ratio Lower Upper

101 100

85 48.1 35.7 53.5

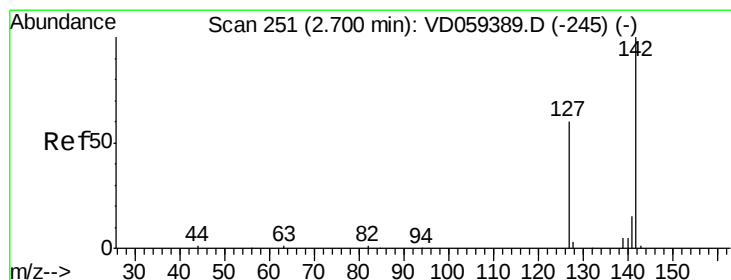
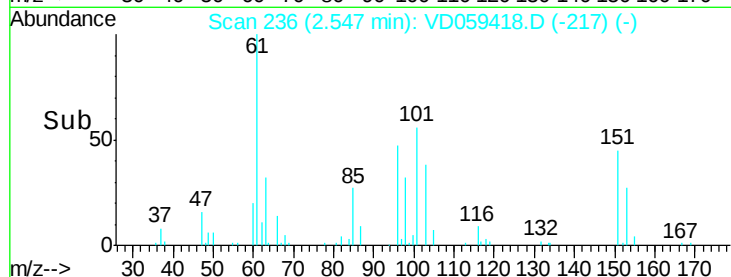
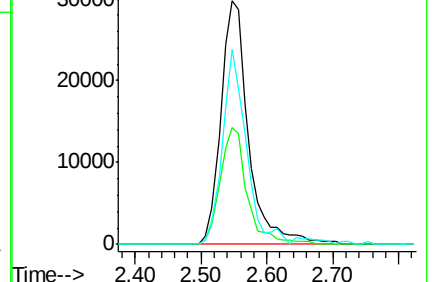
151 79.9 55.8 83.8



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: 21.63 ug/l

RT: 2.68 min Scan# 250

Delta R.T. -0.02 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

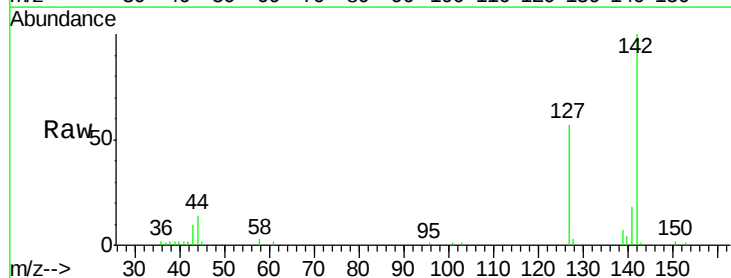
Tgt Ion:142 Resp: 95095

Ion Ratio Lower Upper

142 100

127 57.1 48.4 72.6

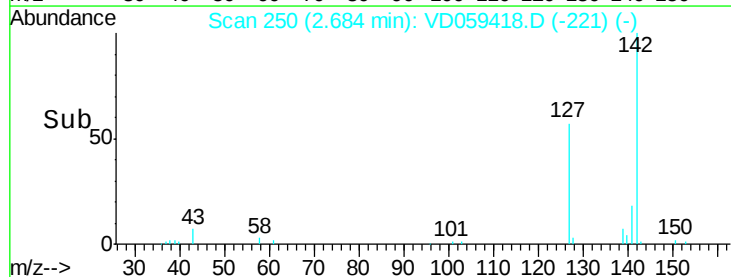
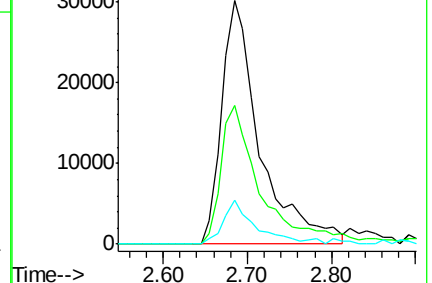
141 17.8 12.1 18.1

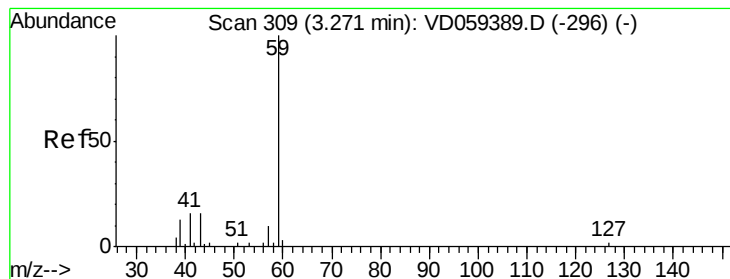


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



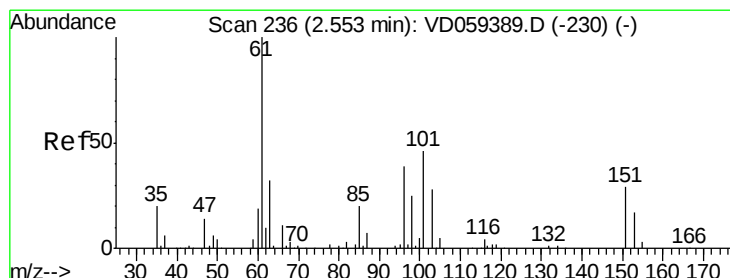
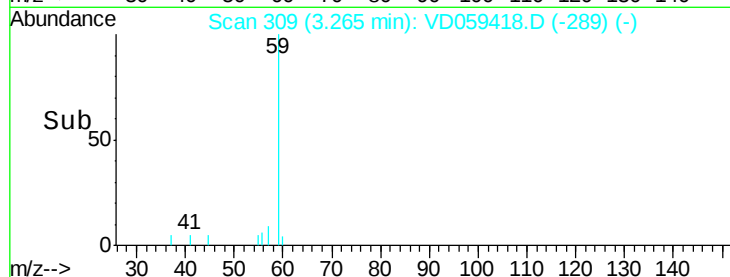
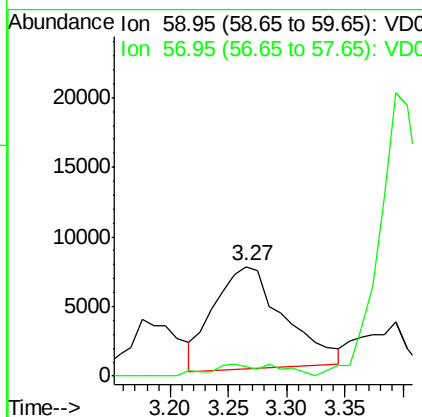
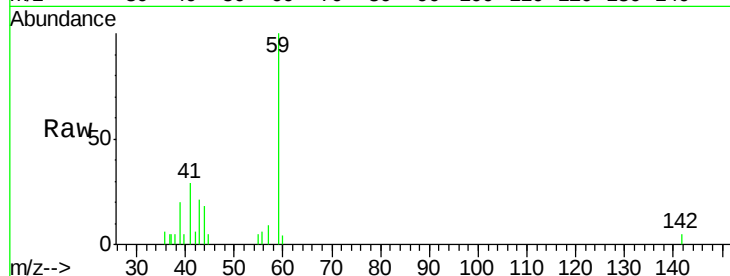


#11

Tert butyl alcohol
 Concen: 99.13 ug/l
 RT: 3.27 min Scan# 309
 Delta R.T. -0.01 min
 Lab File: VD059418.D
 Acq: 26 Jun 2018 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBSD01

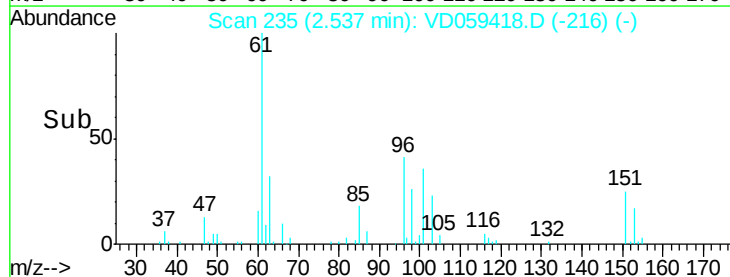
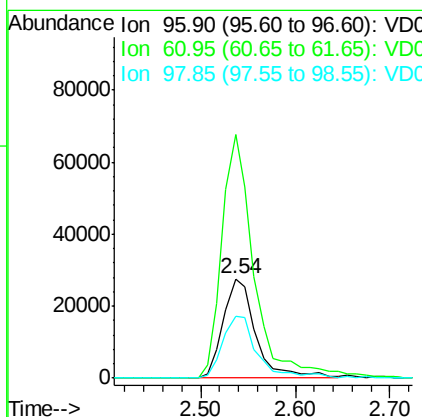
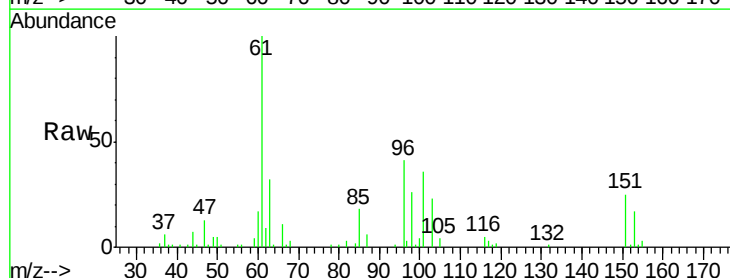
Tot Ion: 59 Resp: 30676
 Ion Ratio Lower Upper
 59 100
 57 8.8 8.3 12.5

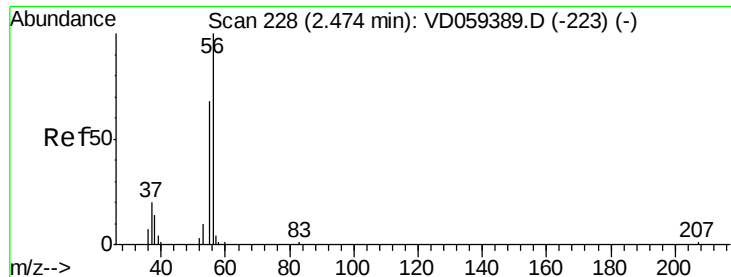


#12

1,1-Dichloroethene
 Concen: 23.03 ug/l
 RT: 2.54 min Scan# 235
 Delta R.T. -0.02 min
 Lab File: VD059418.D
 Acq: 26 Jun 2018 11:55

Tgt Ion: 96 Resp: 66376
 Ion Ratio Lower Upper
 96 100
 61 244.8 205.4 308.0
 98 62.7 51.0 76.4





#13

Acrolein

Concen: 107.85 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.01 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Instrument :

MSVOA_D

ClientSampleId :

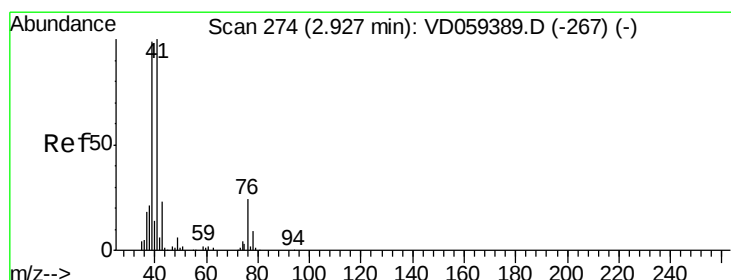
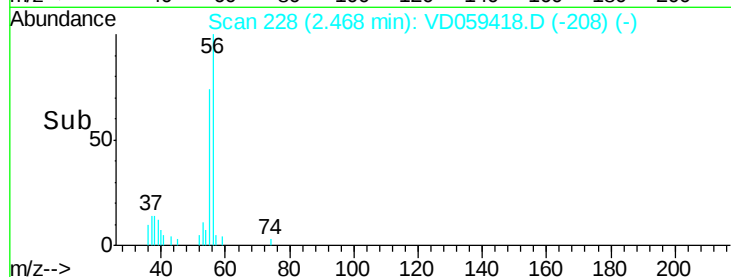
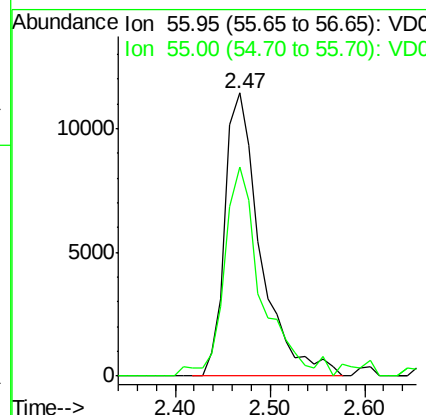
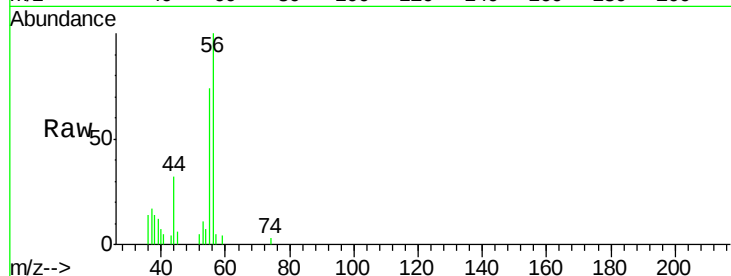
VD0626SBSD01

Tot Ion: 56 Resp: 29835

Ion Ratio Lower Upper

56 100

55 73.9 54.6 82.0



#14

Allyl chloride

Concen: 23.22 ug/l

RT: 2.91 min Scan# 273

Delta R.T. -0.02 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

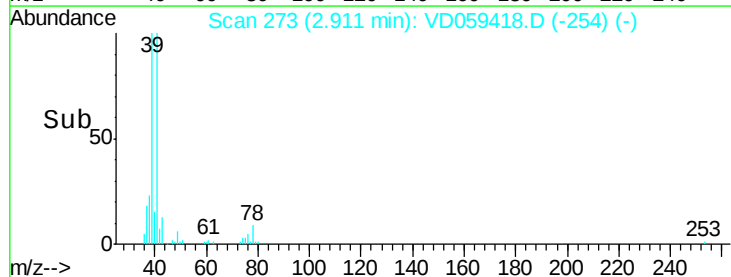
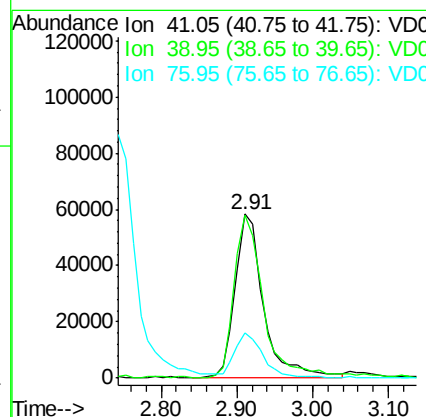
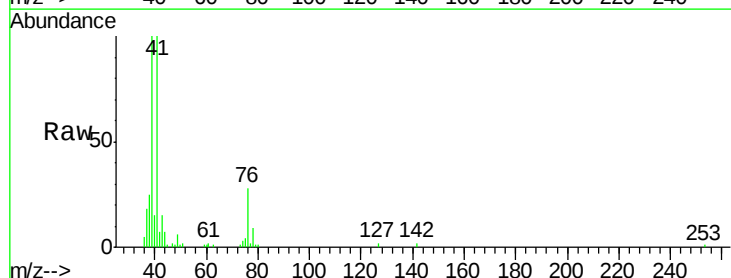
Tgt Ion: 41 Resp: 153162

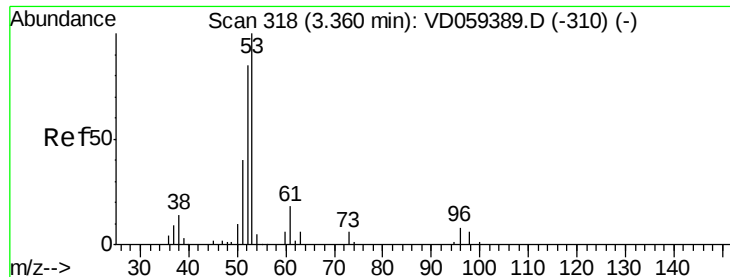
Ion Ratio Lower Upper

41 100

39 99.5 79.1 118.7

76 27.9 21.9 32.9





#15

Acrylonitrile

Concen: 107.62 ug/l

RT: 3.34 min Scan# 317

Delta R.T. -0.02 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBSD01

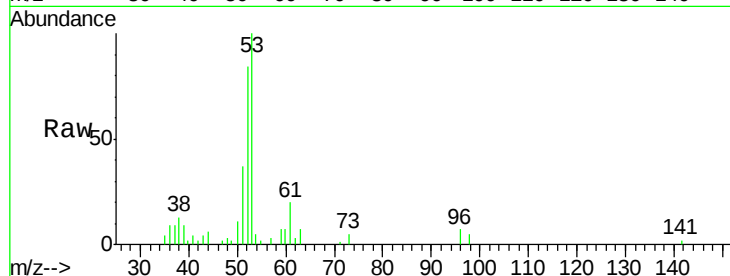
Tot Ion: 53 Resp: 102214

Ion Ratio Lower Upper

53 100

52 83.8 67.9 101.9

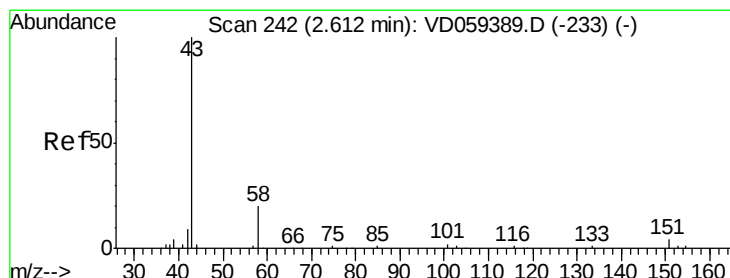
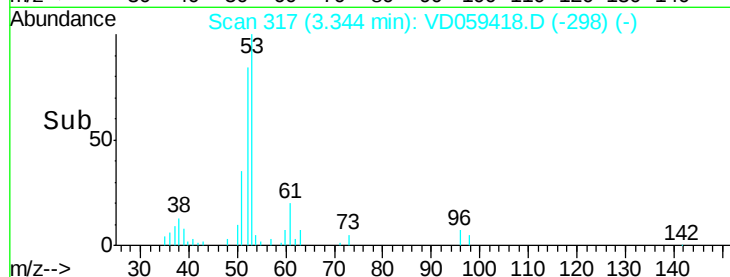
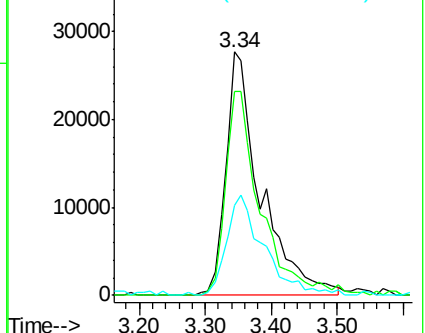
51 37.0 32.2 48.4



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: 106.99 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD059418.D

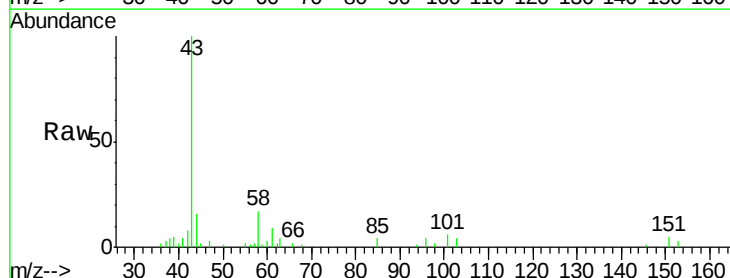
Acq: 26 Jun 2018 11:55

Tgt Ion: 43 Resp: 120783

Ion Ratio Lower Upper

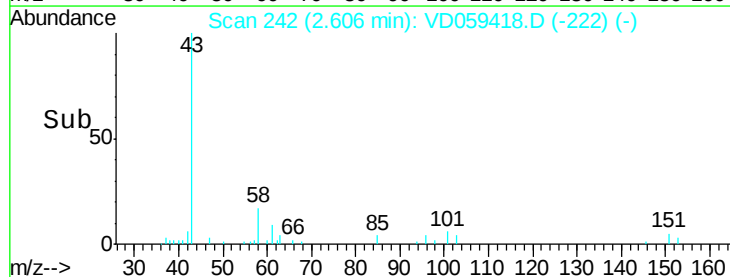
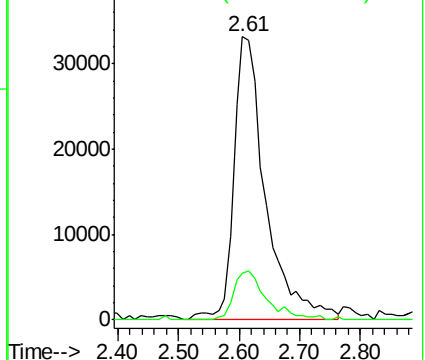
43 100

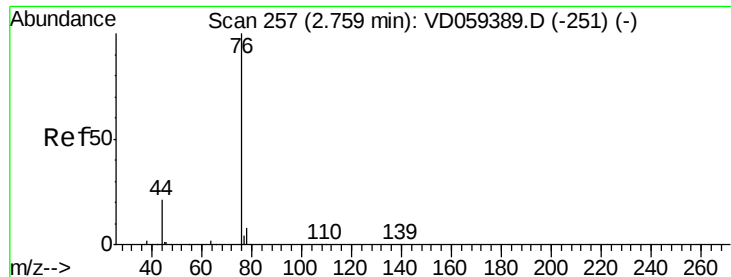
58 16.6 16.8 25.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

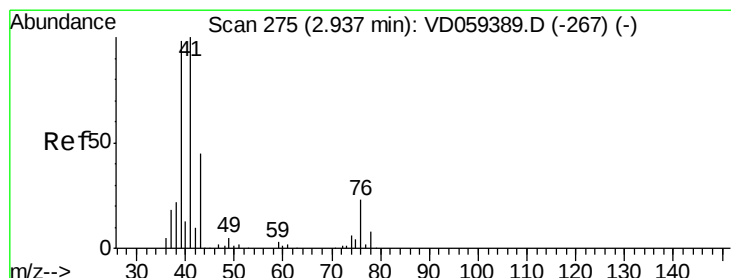
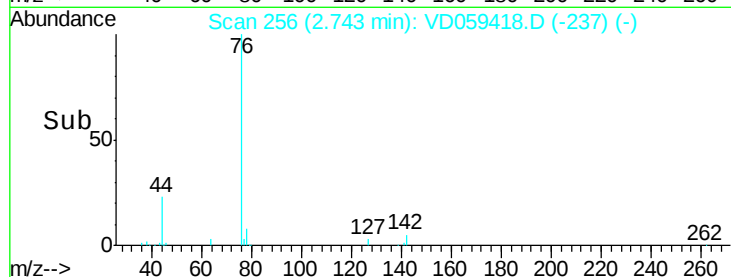
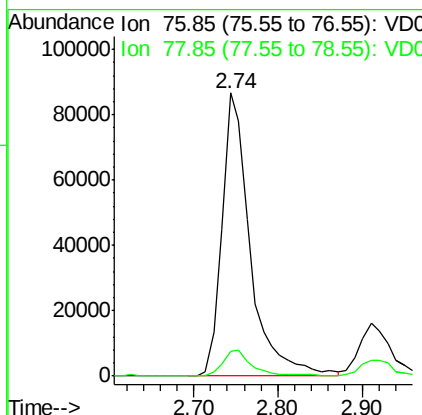
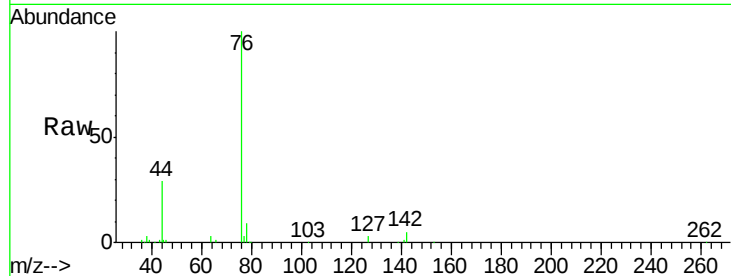




#17
Carbon Disulfide
Concen: 22.86 ug/l
RT: 2.74 min Scan# 256
Delta R.T. -0.02 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

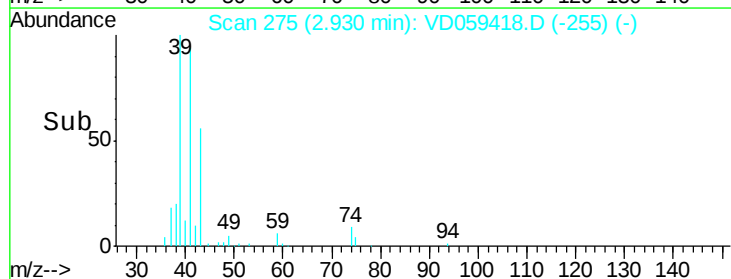
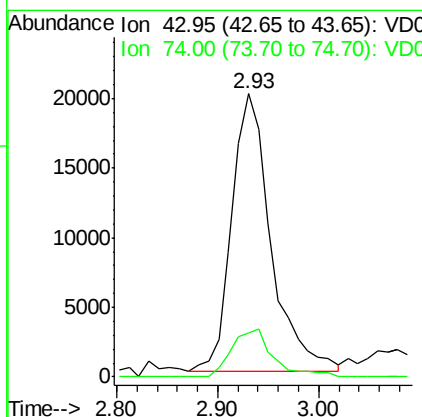
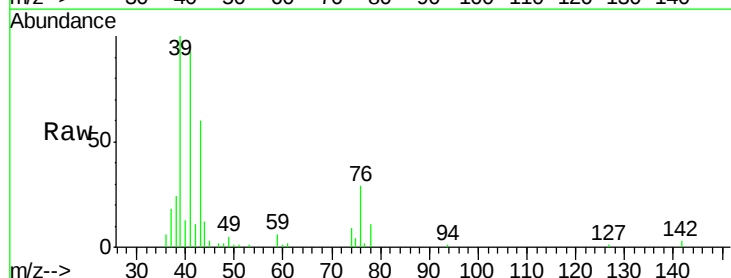
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

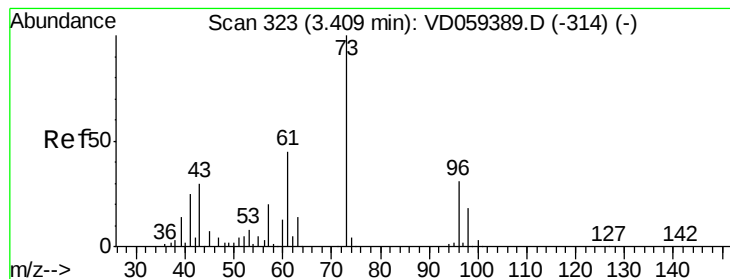
Tot Ion: 76 Resp: 201788
Ion Ratio Lower Upper
76 100
78 8.8 6.6 9.8



#18
Methyl Acetate
Concen: 20.83 ug/l
RT: 2.93 min Scan# 275
Delta R.T. -0.01 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

Tgt Ion: 43 Resp: 53667
Ion Ratio Lower Upper
43 100
74 15.4 11.0 16.4



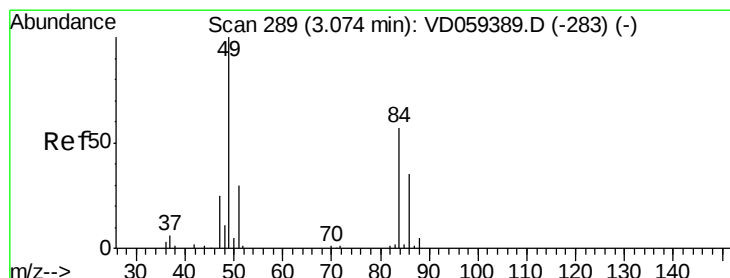
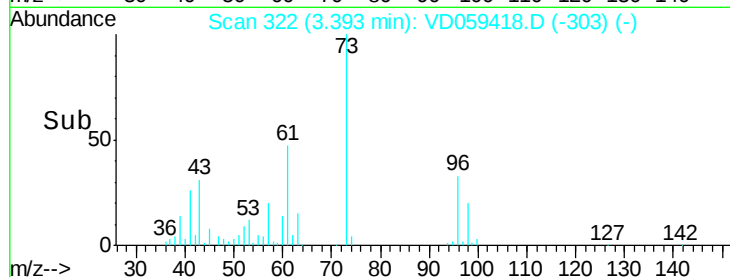
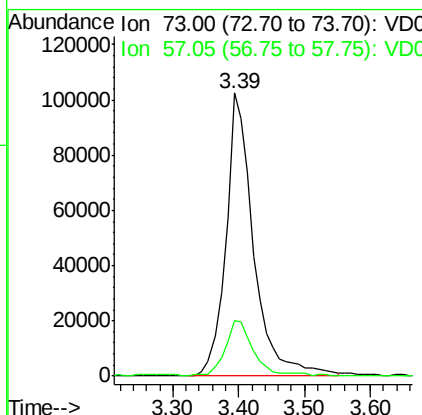
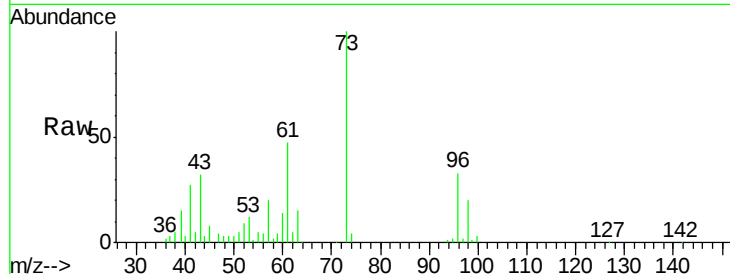


#19

Methyl tert-butyl Ether
 Concen: 21.19 ug/l
 RT: 3.39 min Scan# 322
 Delta R.T. -0.02 min
 Lab File: VD059418.D
 Acq: 26 Jun 2018 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

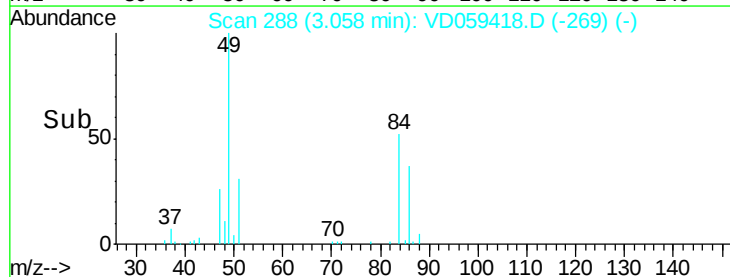
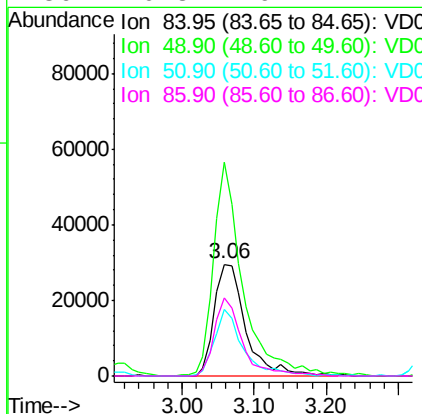
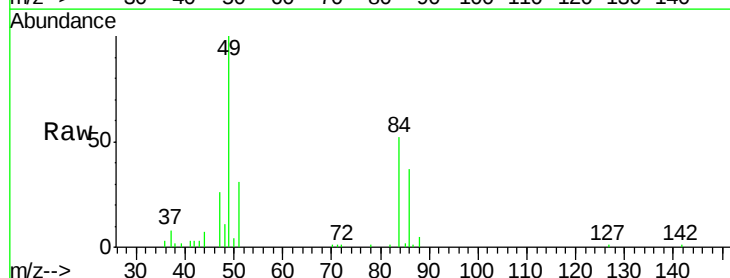
Tot Ion: 73 Resp: 300668
 Ion Ratio Lower Upper
 73 100
 57 19.8 16.1 24.1

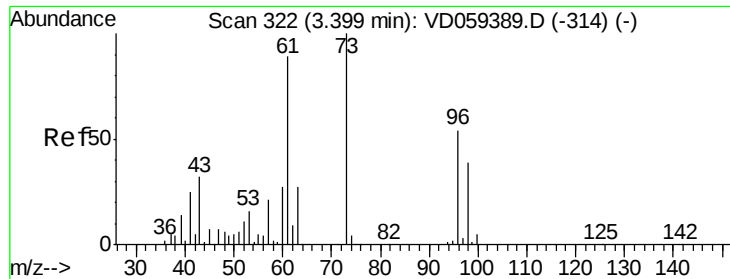


#20

Methylene Chloride
 Concen: 27.46 ug/l
 RT: 3.06 min Scan# 288
 Delta R.T. -0.02 min
 Lab File: VD059418.D
 Acq: 26 Jun 2018 11:55

Tgt Ion: 84 Resp: 89494
 Ion Ratio Lower Upper
 84 100
 49 191.2 140.3 210.5
 51 59.4 41.6 62.4
 86 70.3 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 20.69 ug/l

RT: 3.39 min Scan# 322

Delta R.T. -0.01 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBSD01

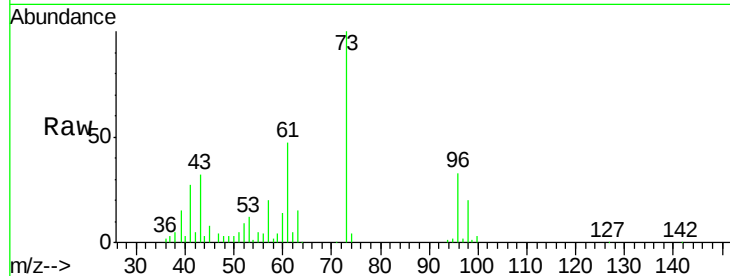
Tot Ion: 96 Resp: 105449

Ion Ratio Lower Upper

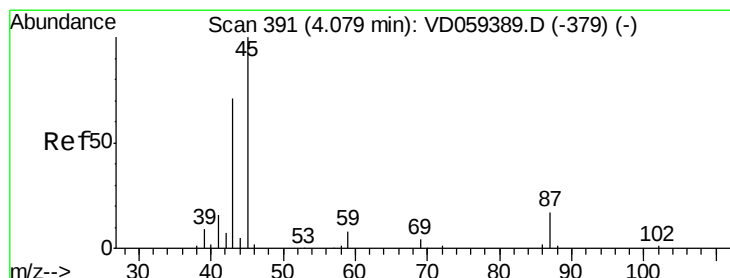
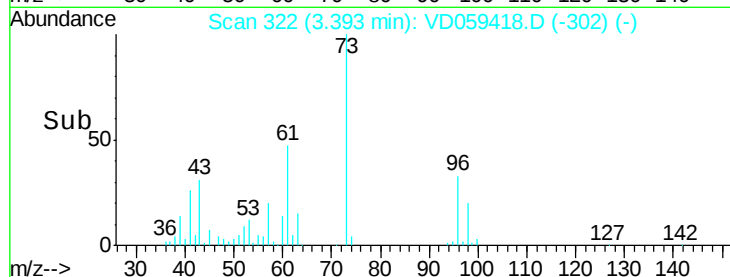
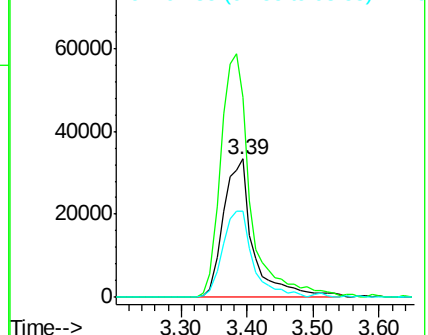
96 100

61 144.5 131.0 196.4

98 61.9 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: 21.92 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.02 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Tgt Ion: 45 Resp: 544062

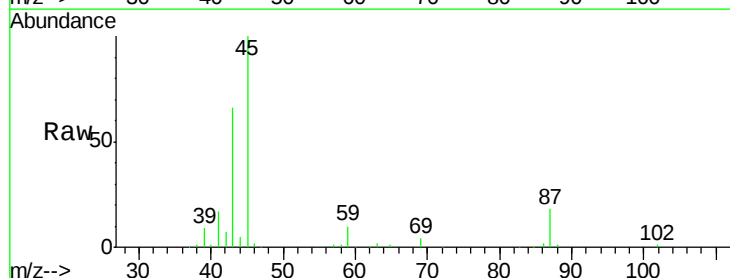
Ion Ratio Lower Upper

45 100

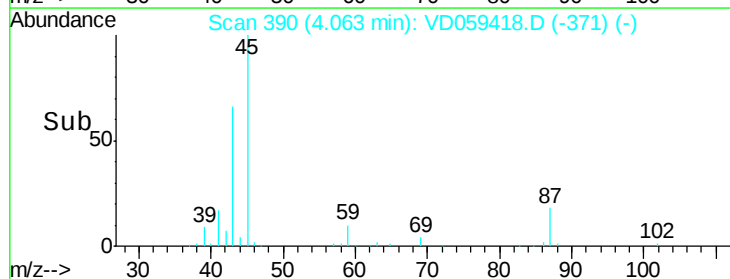
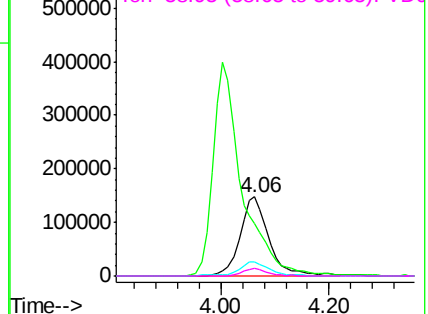
43 66.3 56.9 85.3

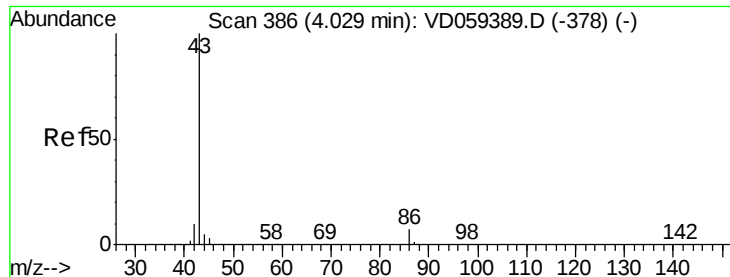
87 18.3 14.2 21.4

59 9.7 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: 113.51 ug/l

RT: 4.00 min Scan# 384

Delta R.T. -0.03 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Instrument :

MSVOA_D

ClientSampleId :

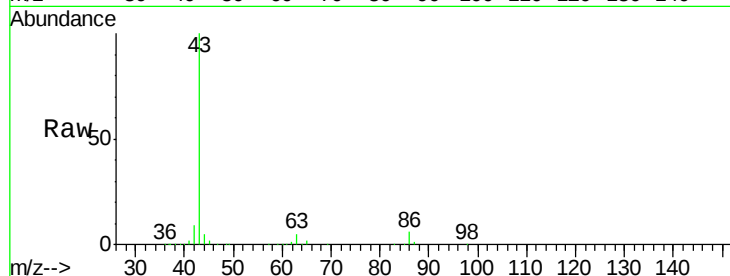
VD0626SBSD01

Tot Ion: 43 Resp: 1468003

Ion Ratio Lower Upper

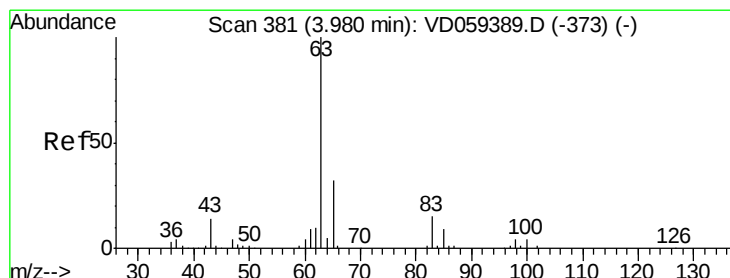
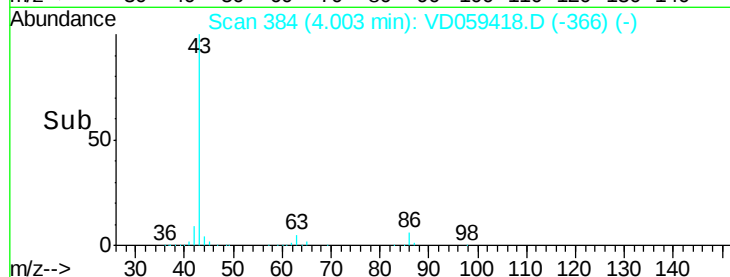
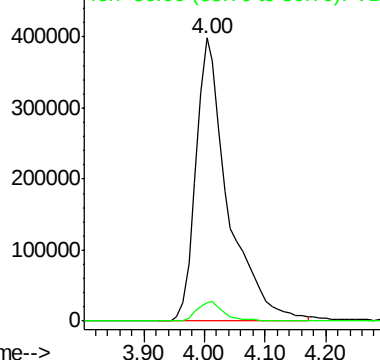
43 100

86 6.3 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: 23.73 ug/l

RT: 3.96 min Scan# 380

Delta R.T. -0.02 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

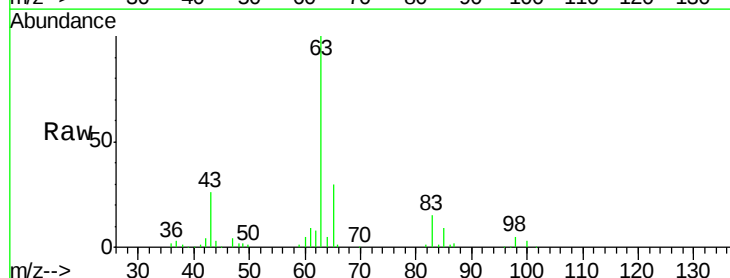
Tgt Ion: 63 Resp: 336973

Ion Ratio Lower Upper

63 100

98 4.6 2.1 6.5

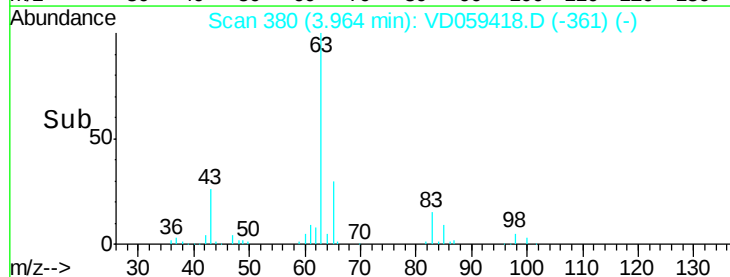
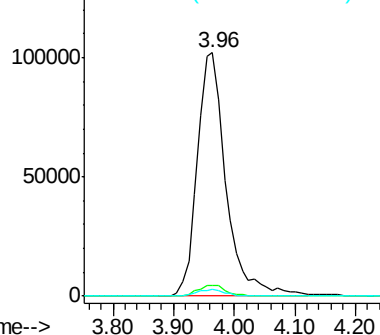
100 2.8 1.8 5.5

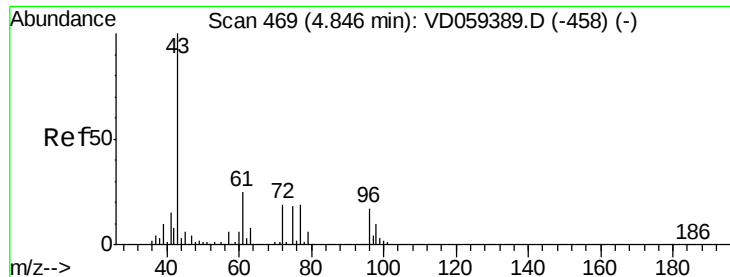


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 108.82 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.02 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Instrument :

MSVOA_D

ClientSampleId :

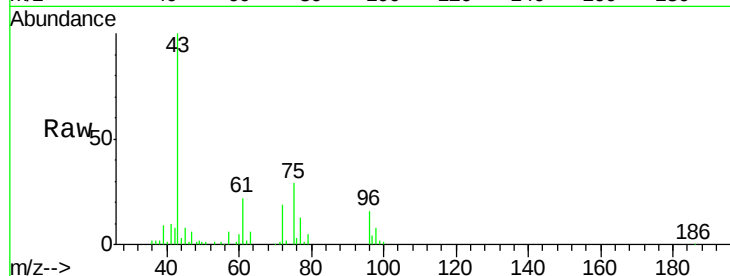
VD0626SBSD01

Tot Ion: 43 Resp: 257354

Ion Ratio Lower Upper

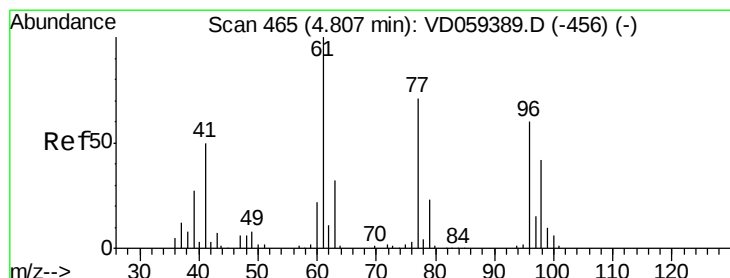
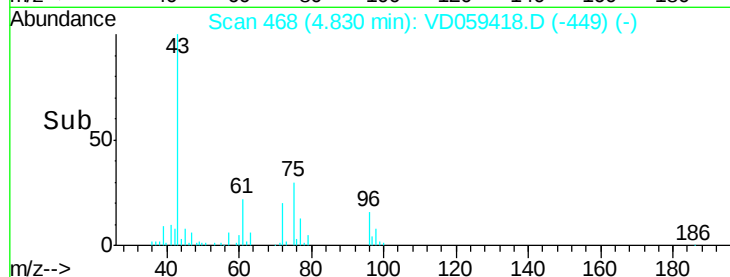
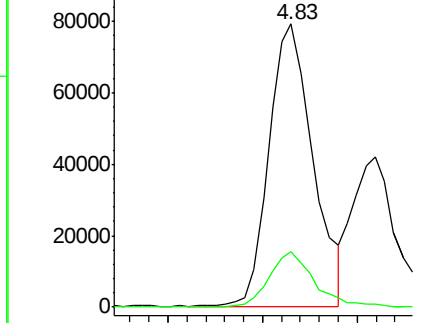
43 100

72 19.5 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.64 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.02 min

Lab File: VD059418.D

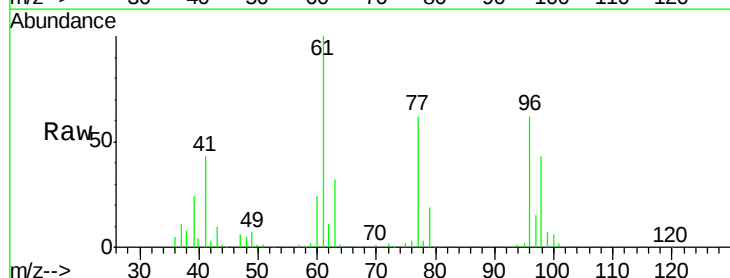
Acq: 26 Jun 2018 11:55

Tgt Ion: 77 Resp: 227302

Ion Ratio Lower Upper

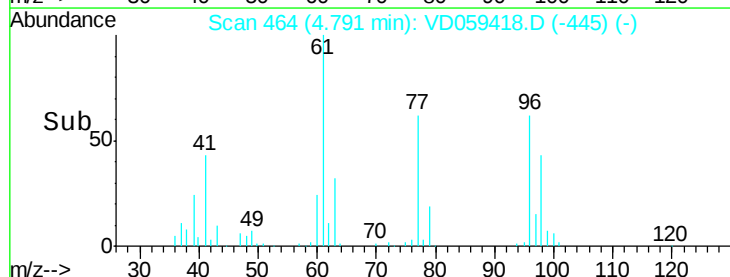
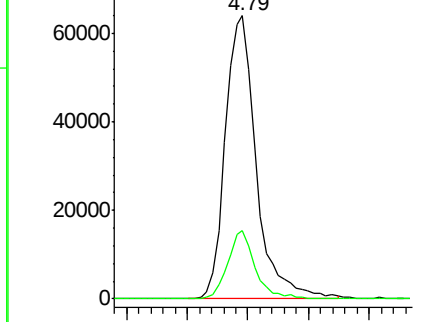
77 100

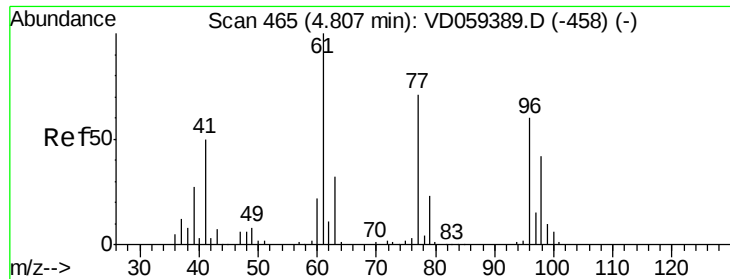
97 24.2 10.7 32.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 22.09 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.02 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBSD01

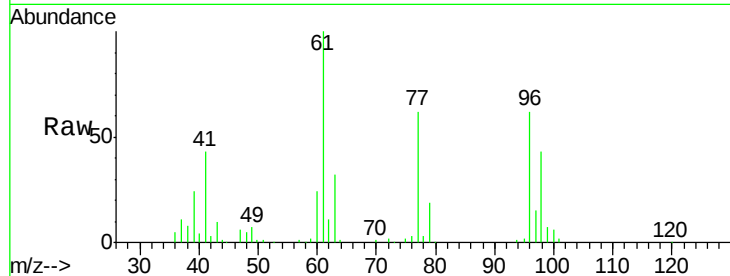
Tot Ion: 96 Resp: 189129

Ion Ratio Lower Upper

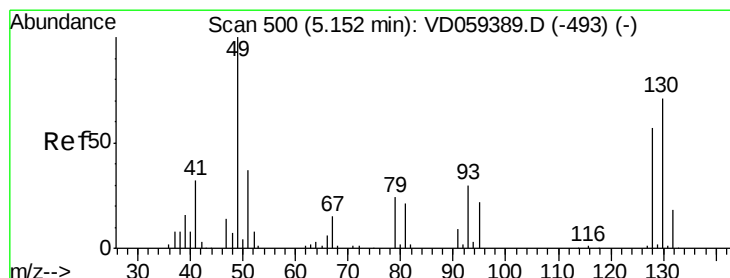
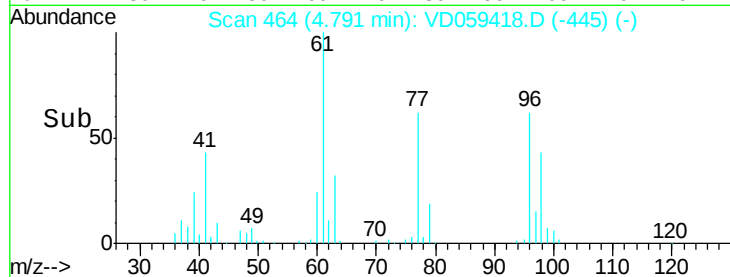
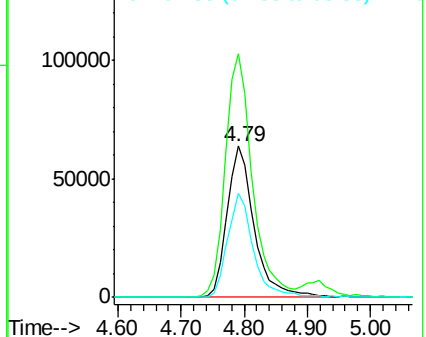
96 100

61 160.8 0.0 335.8

98 68.5 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: 22.35 ug/l

RT: 5.14 min Scan# 499

Delta R.T. -0.02 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

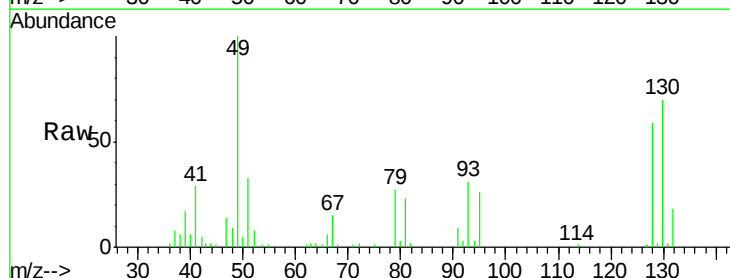
Tgt Ion: 49 Resp: 137622

Ion Ratio Lower Upper

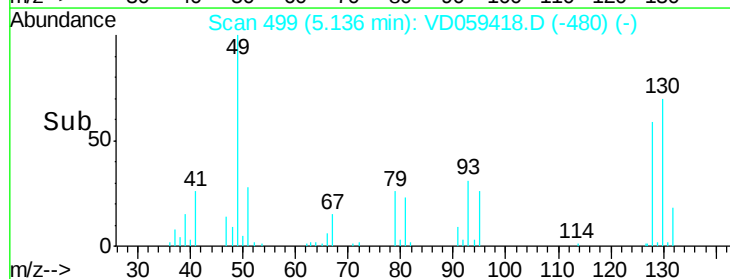
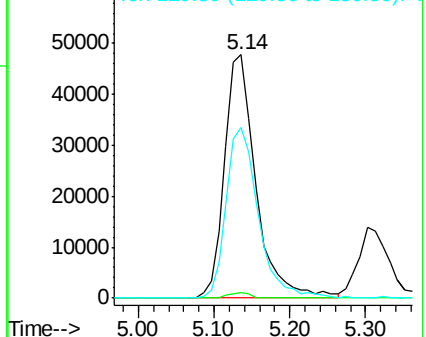
49 100

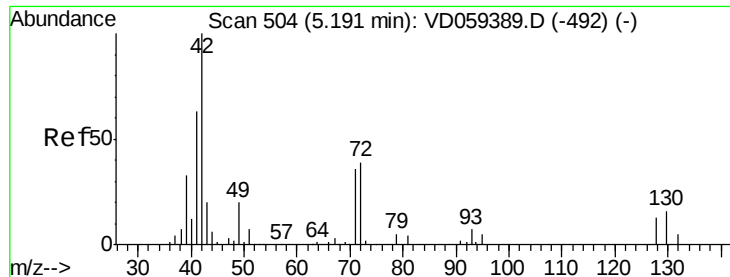
129 2.4 0.0 4.4

130 70.1 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

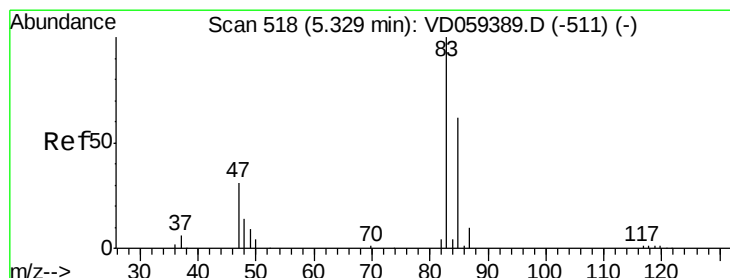
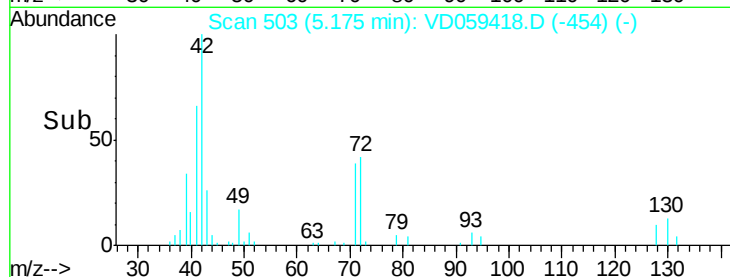
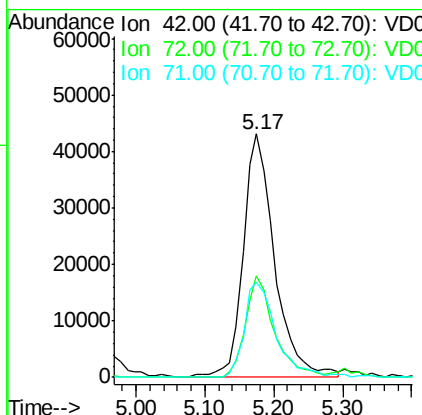
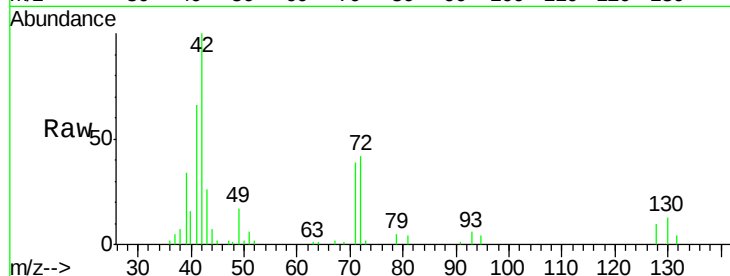




#29
Tetrahydrofuran
Concen: 105.26 ug/l
RT: 5.17 min Scan# 503
Delta R.T. -0.02 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

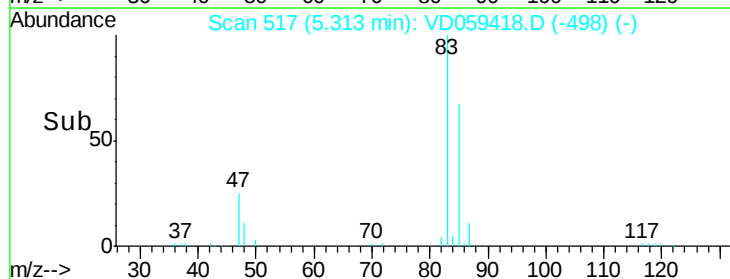
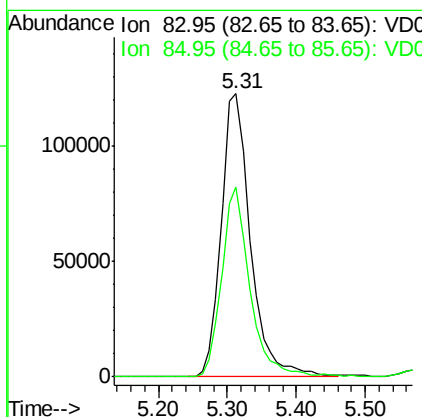
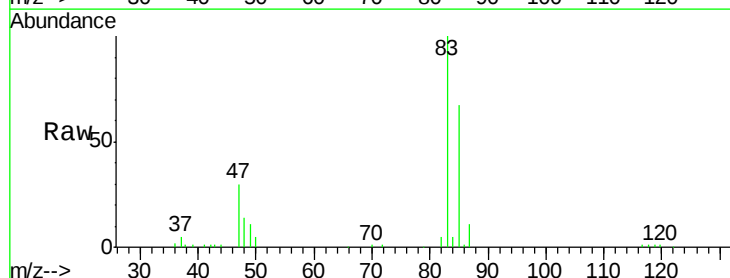
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

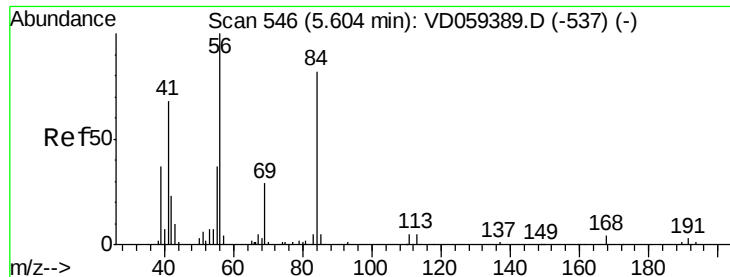
Tot Ion: 42 Resp: 136166
Ion Ratio Lower Upper
42 100
72 38.5 31.4 47.2
71 39.6 29.7 44.5



#30
Chloroform
Concen: 23.35 ug/l
RT: 5.31 min Scan# 517
Delta R.T. -0.02 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

Tgt Ion: 83 Resp: 361505
Ion Ratio Lower Upper
83 100
85 67.0 49.3 73.9

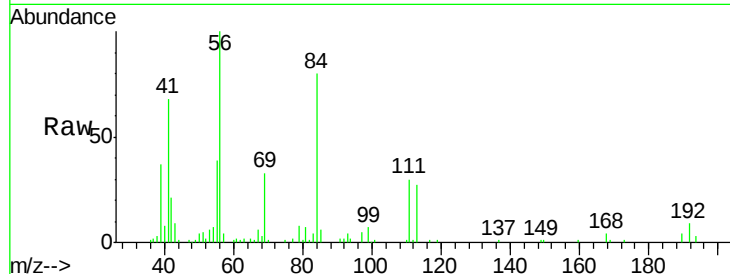




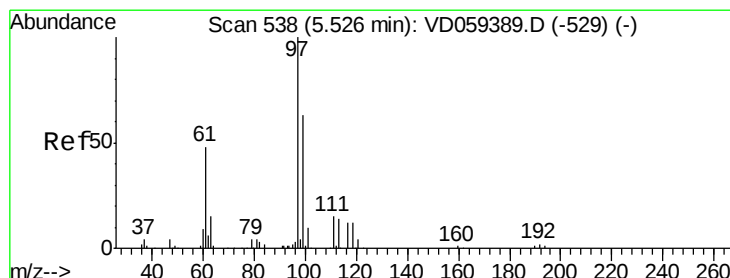
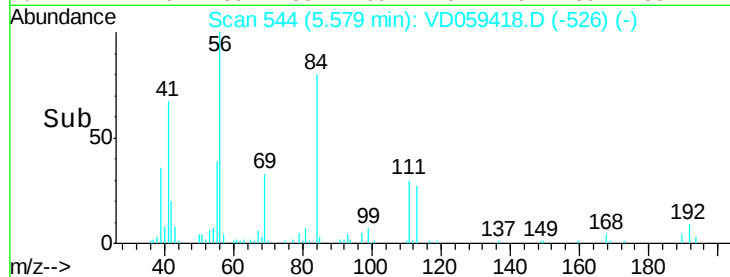
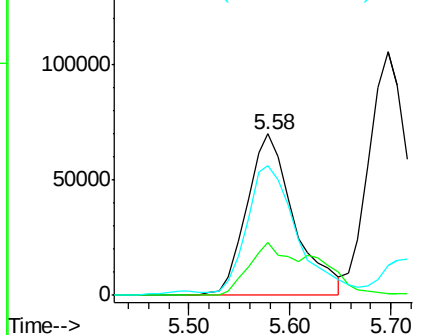
#31
Cyclohexane
Concen: 22.22 ug/l
RT: 5.58 min Scan# 544
Delta R.T. -0.03 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

Tot Ion: 56 Resp: 228515
Ion Ratio Lower Upper
56 100
69 32.9 22.9 34.3
84 80.0 67.3 100.9

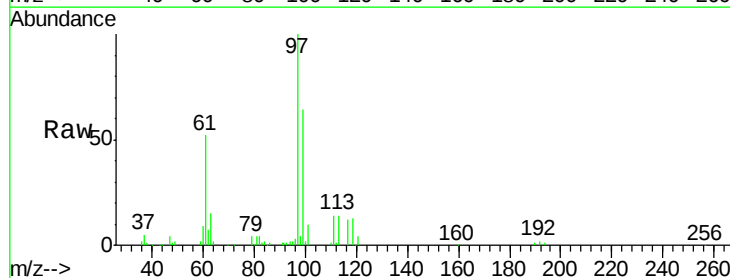


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

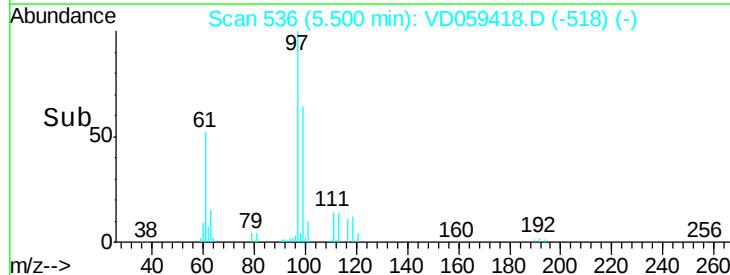
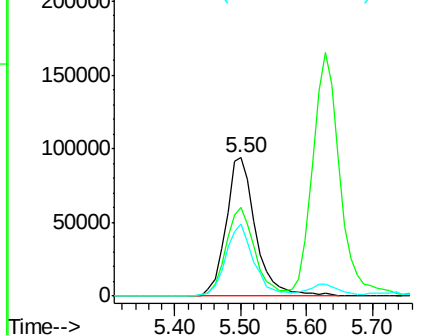


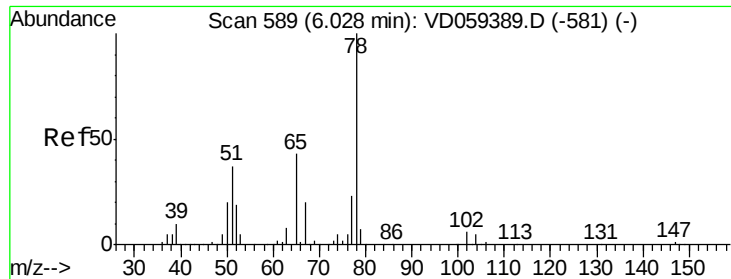
#32
1,1,1-Trichloroethane
Concen: 23.53 ug/l
RT: 5.50 min Scan# 536
Delta R.T. -0.03 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

Tgt Ion: 97 Resp: 294972
Ion Ratio Lower Upper
97 100
99 64.2 50.2 75.4
61 52.0 38.6 57.8



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





#33

1,2-Dichloroethane-d4

Concen: 23.53 ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.03 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Instrument :

MSVOA_D

ClientSampleId :

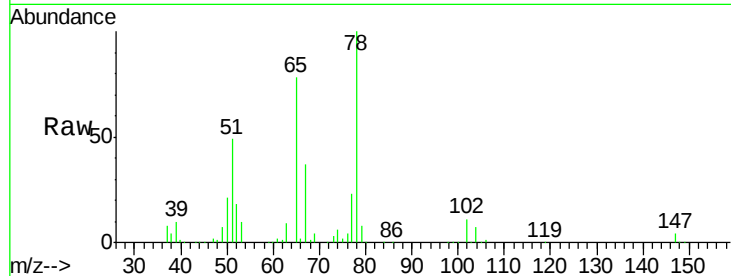
VD0626SBSD01

Tot Ion: 65 Resp: 419468

Ion Ratio Lower Upper

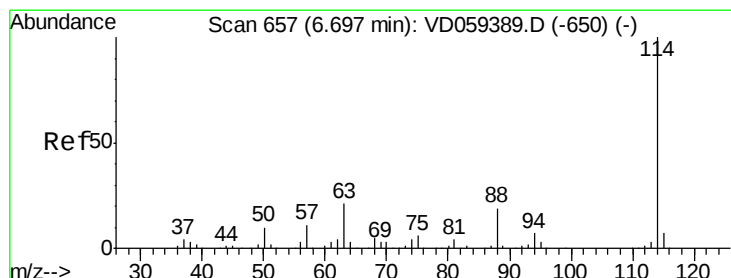
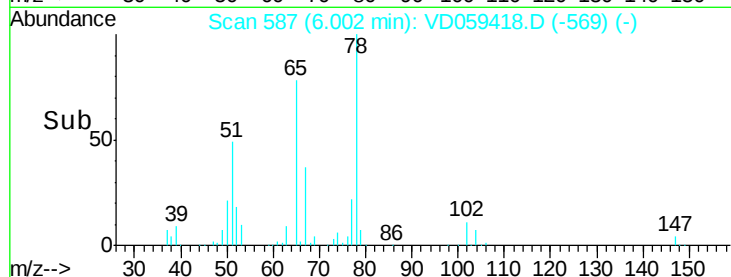
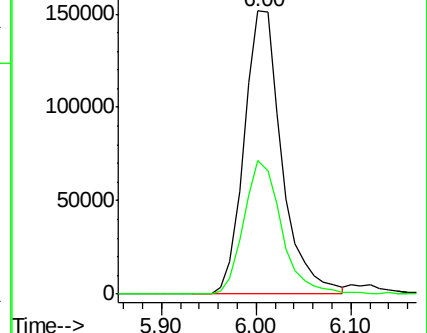
65 100

67 47.4 0.0 93.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.68 min Scan# 656

Delta R.T. -0.02 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

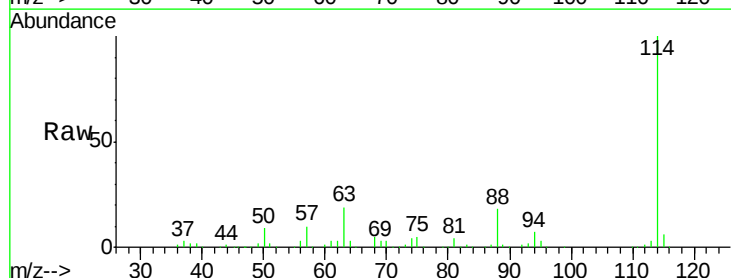
Tgt Ion: 114 Resp: 1210219

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

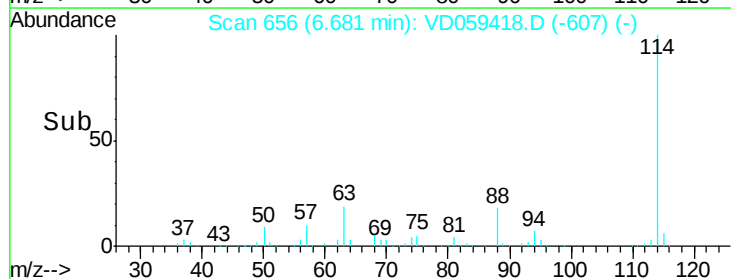
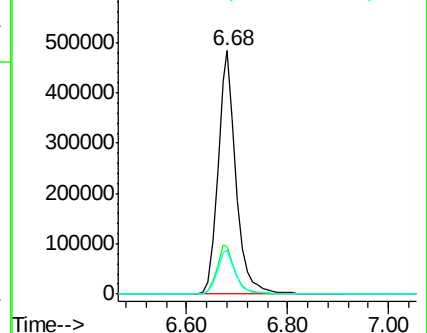
88 17.8 0.0 38.0

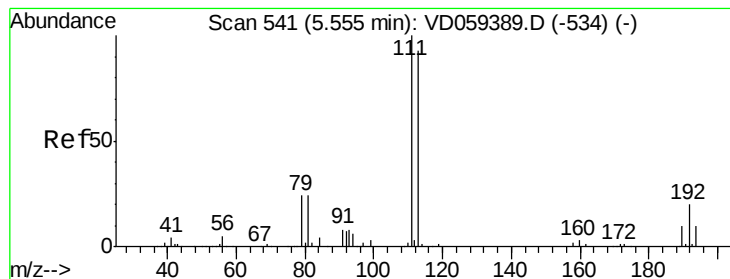


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBSD01

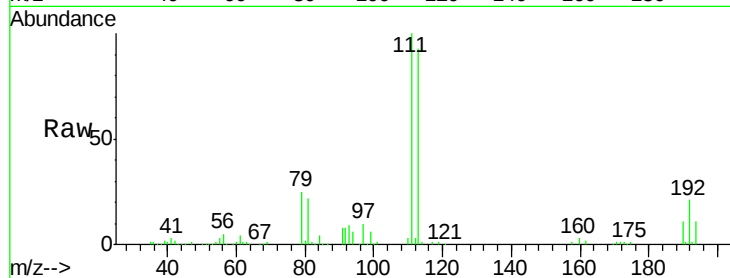
Tot Ion:113 Resp: 455594

Ion Ratio Lower Upper

113 100

111 107.3 85.7 128.5

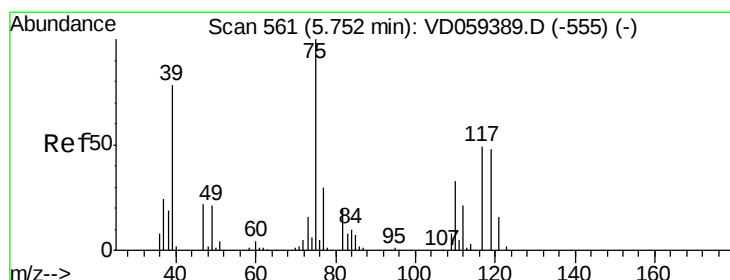
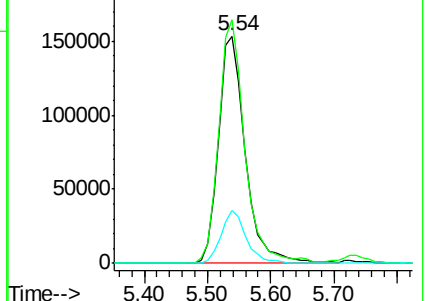
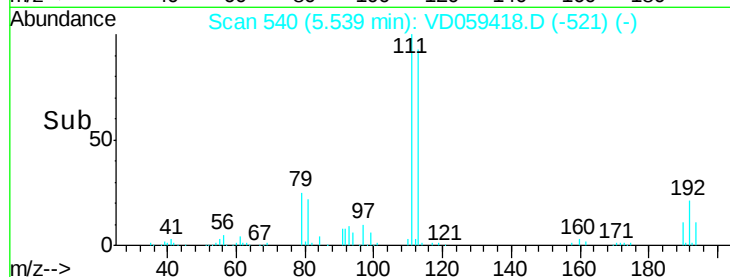
192 23.0 16.9 25.3



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: 21.32 ug/l

RT: 5.73 min Scan# 559

Delta R.T. -0.03 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

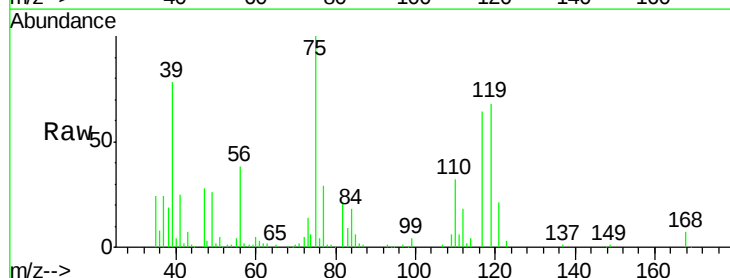
Tgt Ion: 75 Resp: 234014

Ion Ratio Lower Upper

75 100

110 31.7 16.1 48.2

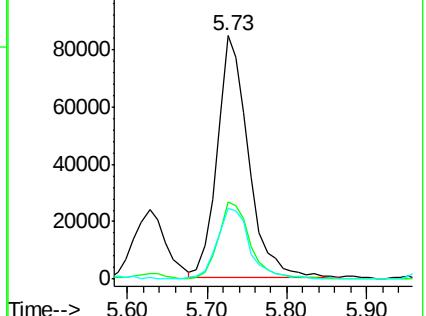
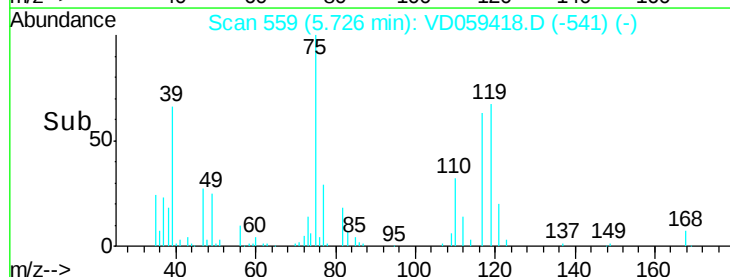
77 29.1 23.4 35.2

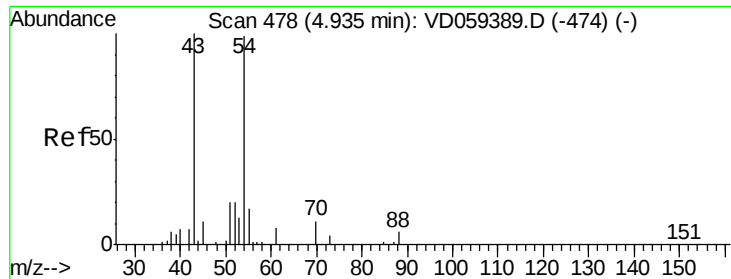


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

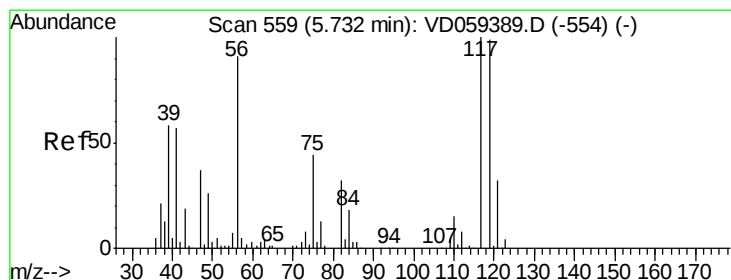
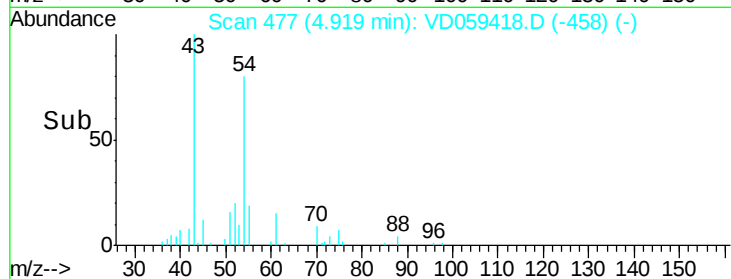
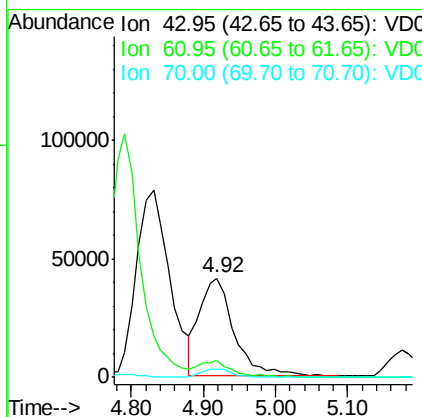
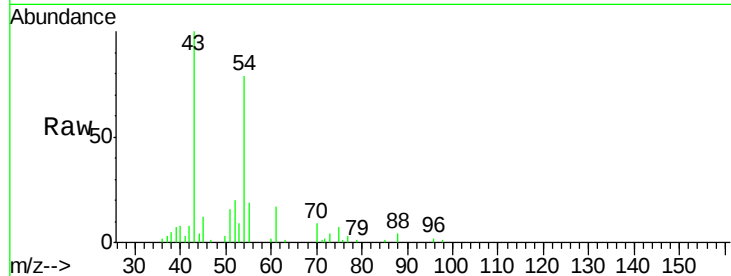




#37
Ethyl Acetate
Concen: 20.40 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.02 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

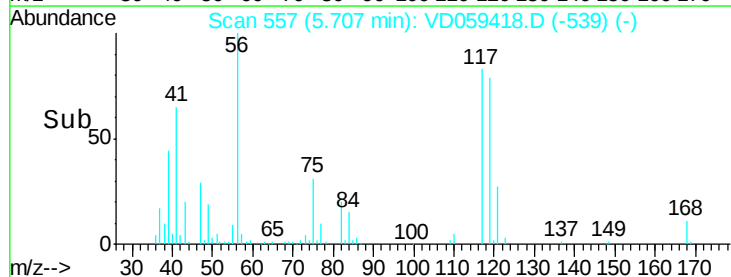
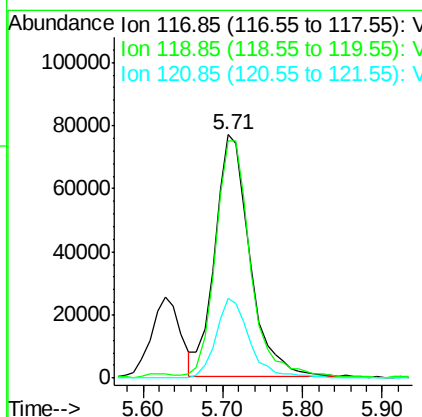
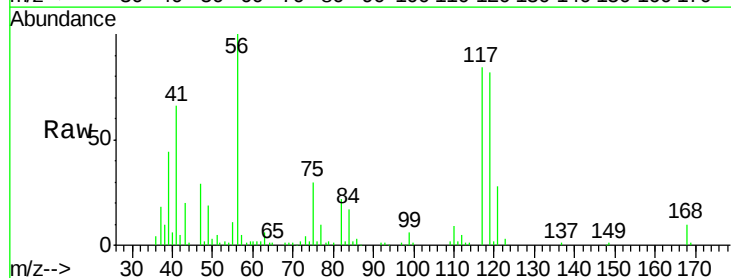
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

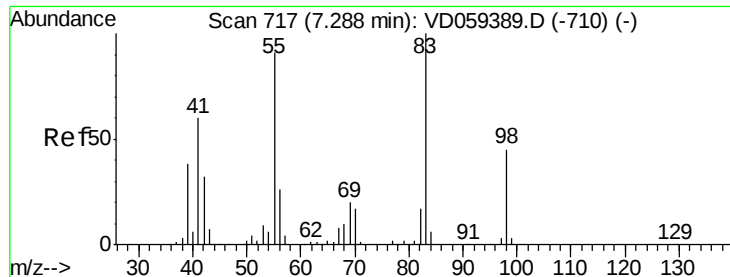
Tot Ion: 43 Resp: 136385
Ion Ratio Lower Upper
43 100
61 17.0 11.8 17.8
70 8.7 6.1 9.1



#38
Carbon Tetrachloride
Concen: 20.99 ug/l
RT: 5.71 min Scan# 557
Delta R.T. -0.03 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

Tgt Ion: 117 Resp: 237541
Ion Ratio Lower Upper
117 100
119 97.6 76.6 115.0
121 32.8 25.0 37.4

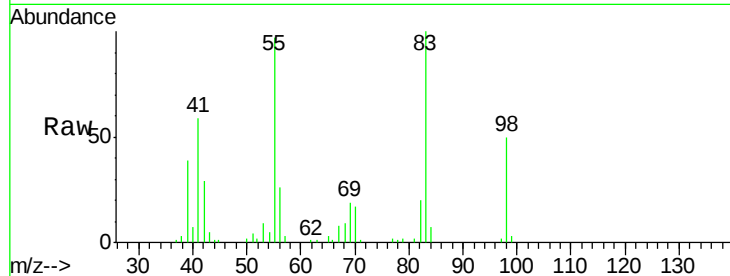




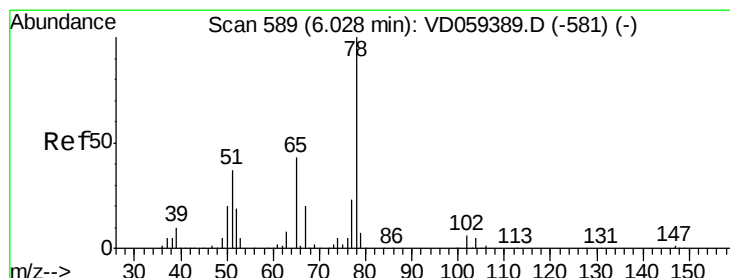
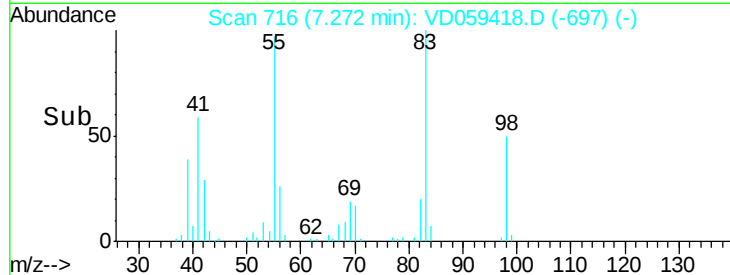
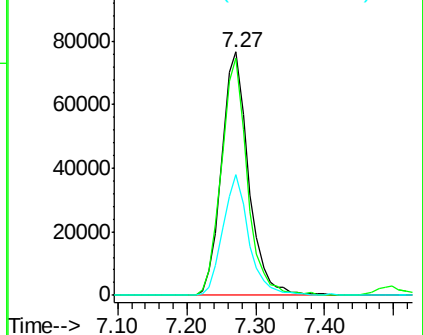
#39
Methylcyclohexane
Concen: 19.94 ug/l
RT: 7.27 min Scan# 716
Delta R.T. -0.02 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

Tot Ion: 83 Resp: 207619
Ion Ratio Lower Upper
83 100
55 97.3 72.6 109.0
98 49.8 35.8 53.6

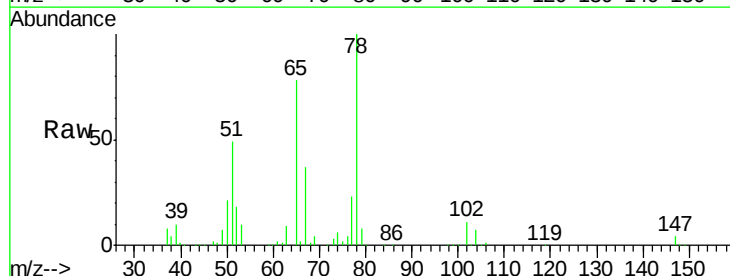


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

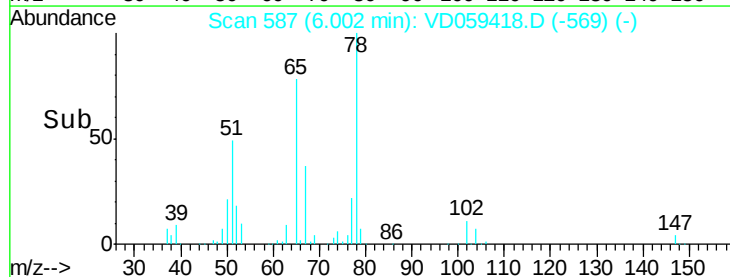
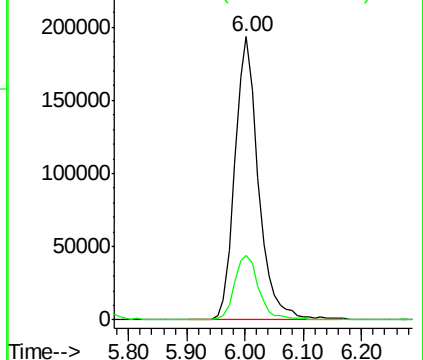


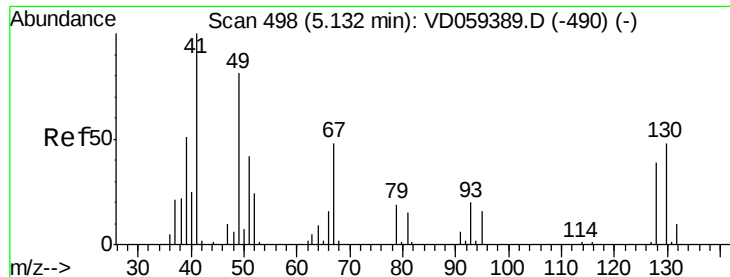
#40
Benzene
Concen: 20.69 ug/l
RT: 6.00 min Scan# 587
Delta R.T. -0.03 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

Tgt Ion: 78 Resp: 545079
Ion Ratio Lower Upper
78 100
77 22.8 18.1 27.1



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

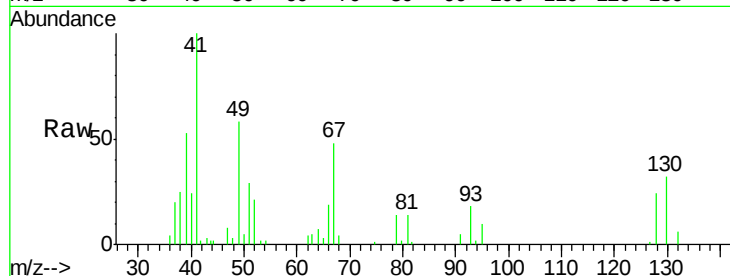




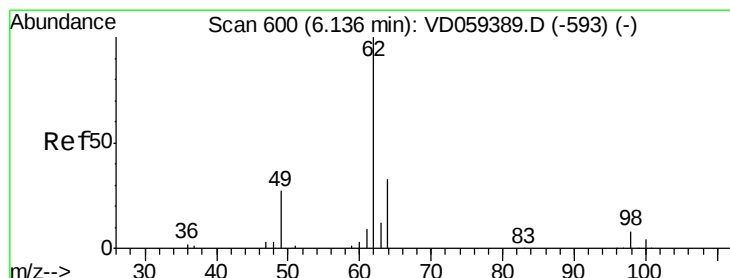
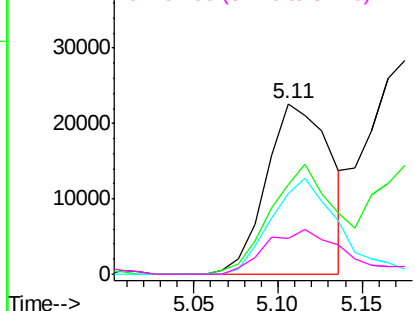
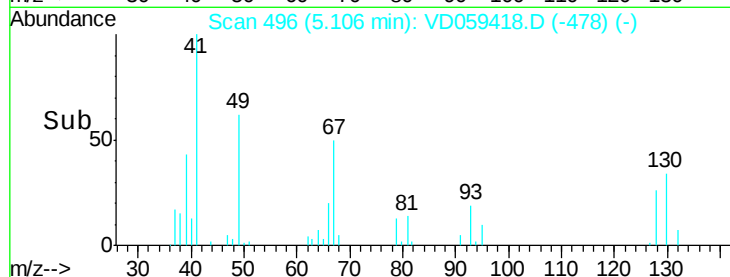
#41
Methacrylonitrile
Concen: 18.61 ug/l
RT: 5.11 min Scan# 496
Delta R.T. -0.03 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

Tot Ion: 41 Resp: 59915
Ion Ratio Lower Upper
41 100
39 52.9 41.5 62.3
67 47.6 38.7 58.1
52 21.1 19.4 29.2

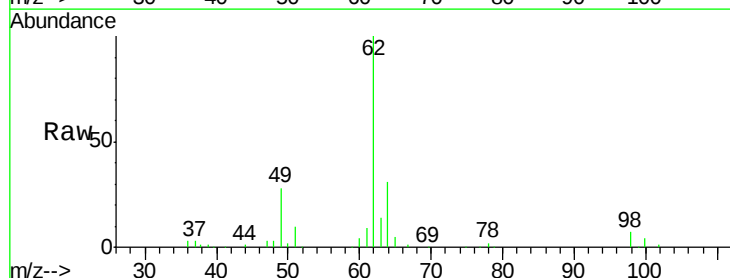


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

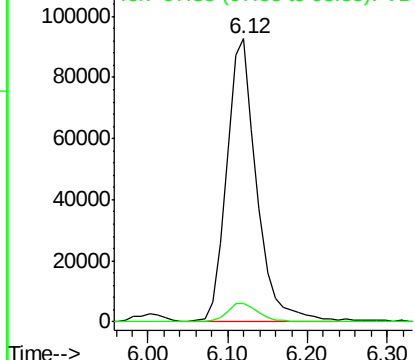
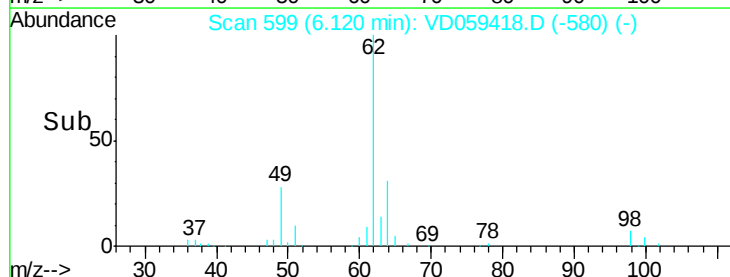


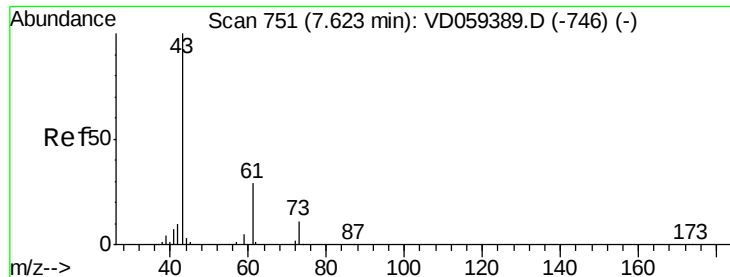
#42
1,2-Dichloroethane
Concen: 20.93 ug/l
RT: 6.12 min Scan# 599
Delta R.T. -0.02 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

Tgt Ion: 62 Resp: 243665
Ion Ratio Lower Upper
62 100
98 6.6 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: 20.61 ug/l

RT: 7.61 min Scan# 750

Delta R.T. -0.02 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

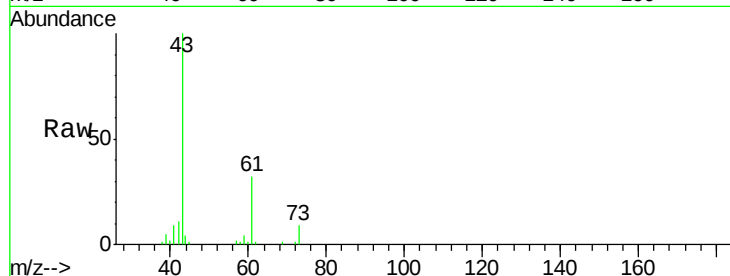
Tot Ion: 43 Resp: 173051

Ion Ratio Lower Upper

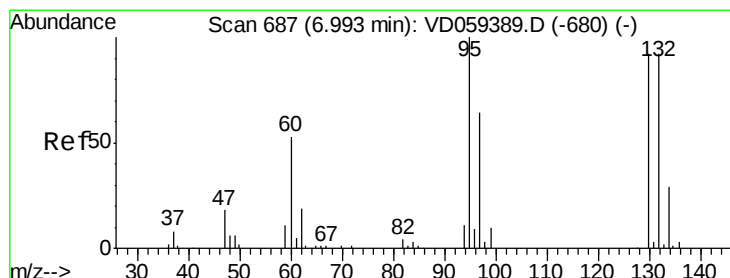
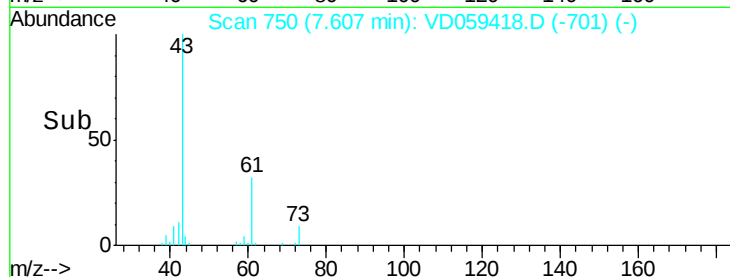
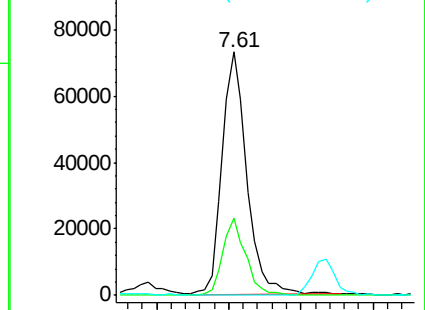
43 100

61 31.9 23.1 34.7

87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.59 ug/l

RT: 6.97 min Scan# 685

Delta R.T. -0.03 min

Lab File: VD059418.D

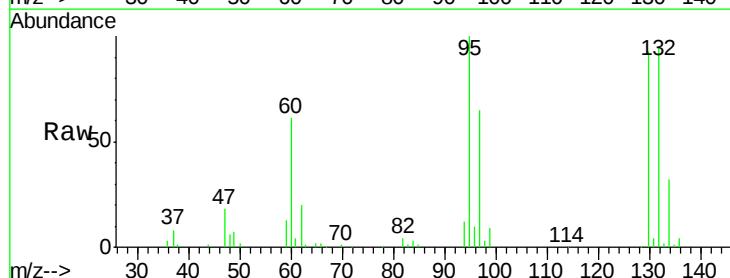
Acq: 26 Jun 2018 11:55

Tgt Ion:130 Resp: 177629

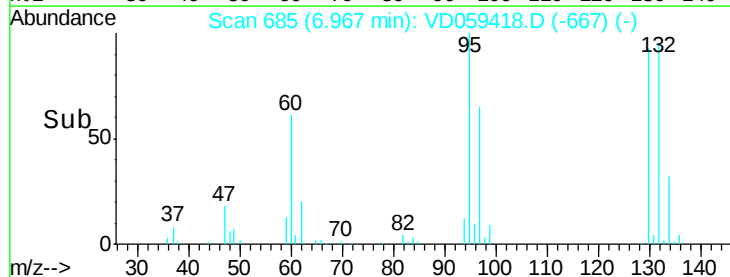
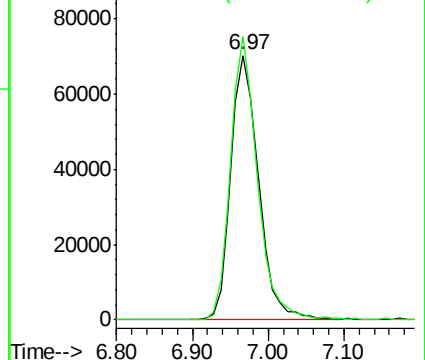
Ion Ratio Lower Upper

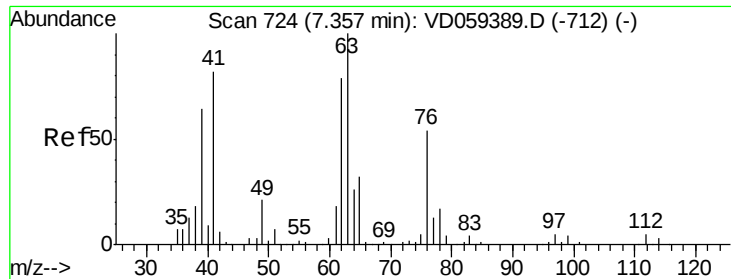
130 100

95 107.0 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.47 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Instrument :

MSVOA_D

ClientSampleId :

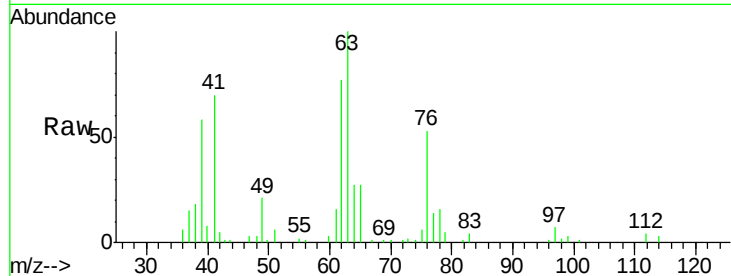
VD0626SBSD01

Tot Ion: 63 Resp: 149343

Ion Ratio Lower Upper

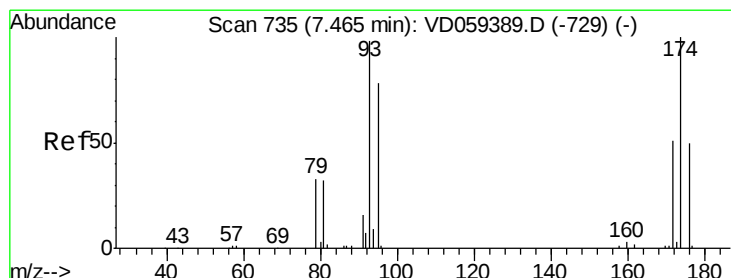
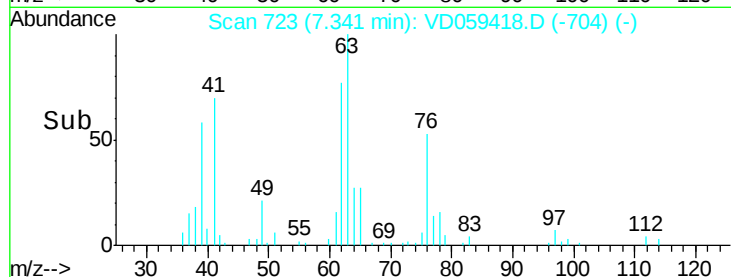
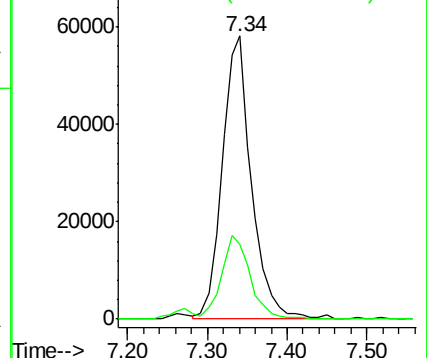
63 100

65 26.6 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: 20.73 ug/l

RT: 7.45 min Scan# 734

Delta R.T. -0.02 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

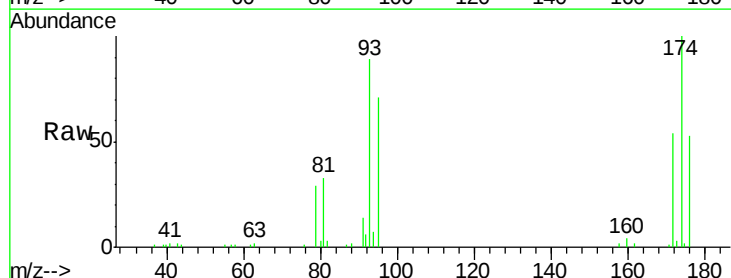
Tgt Ion: 93 Resp: 108801

Ion Ratio Lower Upper

93 100

95 79.5 63.4 95.0

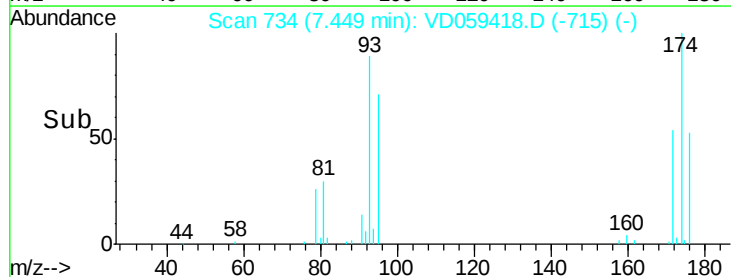
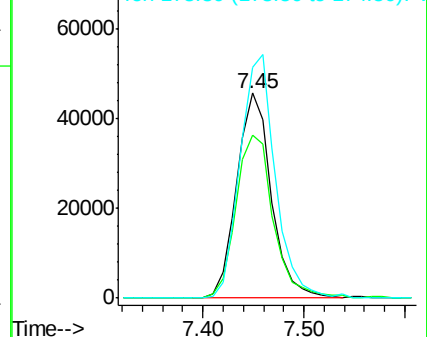
174 112.5 81.4 122.2

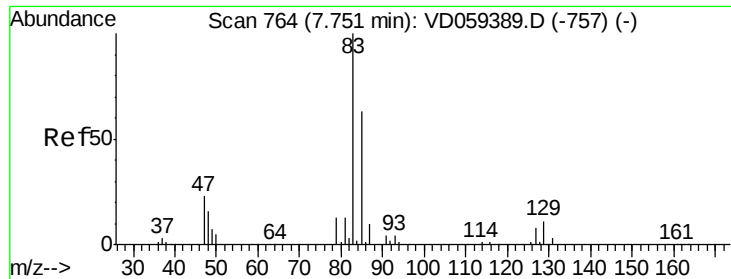


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.18 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBSD01

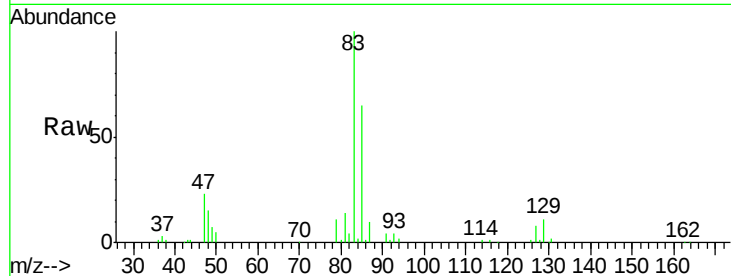
Tot Ion: 83 Resp: 260458

Ion Ratio Lower Upper

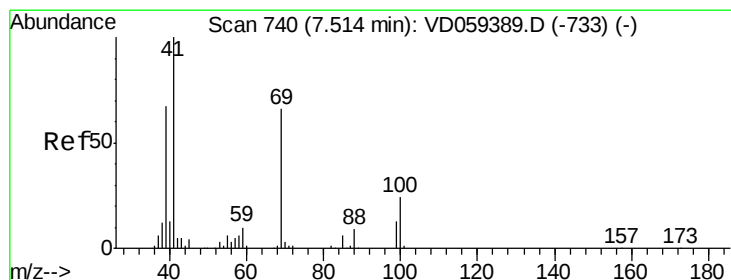
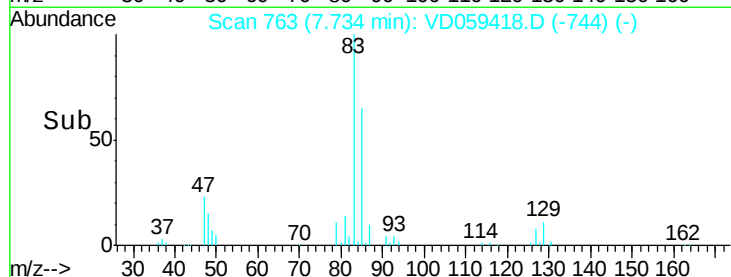
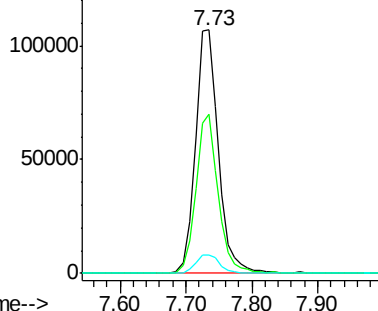
83 100

85 65.4 50.1 75.1

127 7.5 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: 19.76 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.02 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

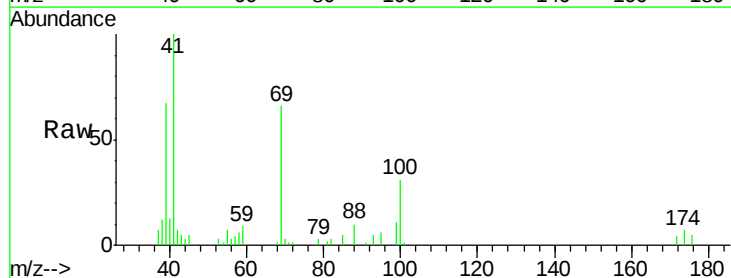
Tgt Ion: 41 Resp: 101057

Ion Ratio Lower Upper

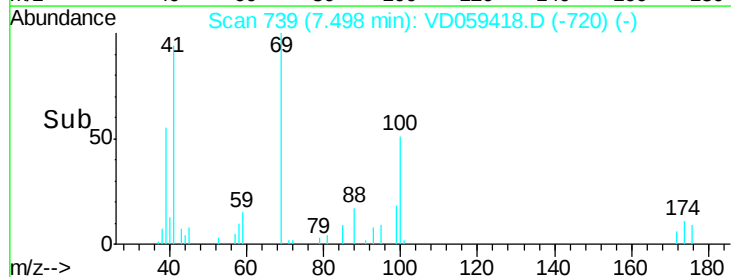
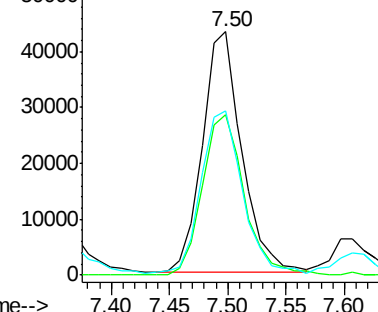
41 100

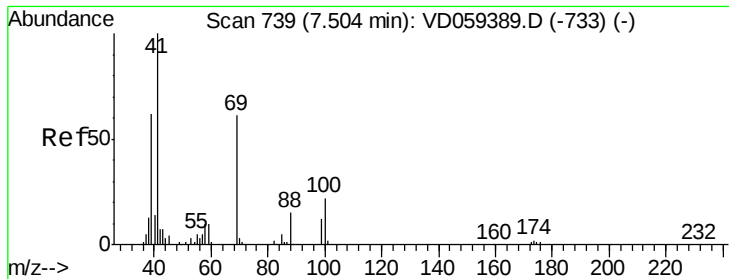
69 65.8 52.6 79.0

39 67.2 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: 427.32 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.03 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBSD01

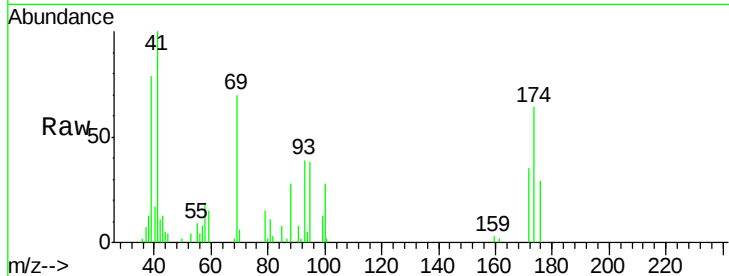
Tot Ion: 88 Resp: 21922

Ion Ratio Lower Upper

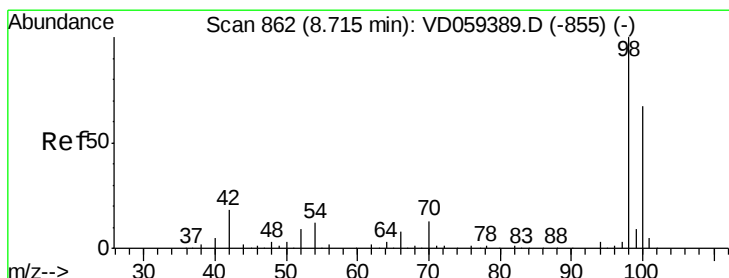
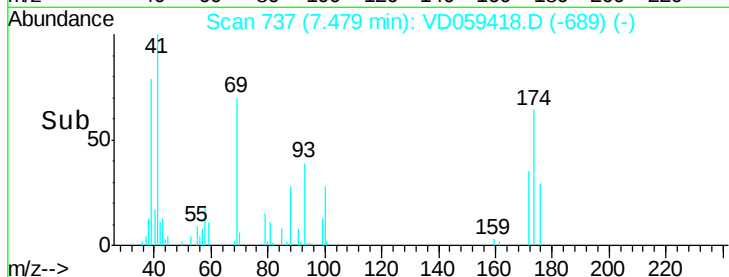
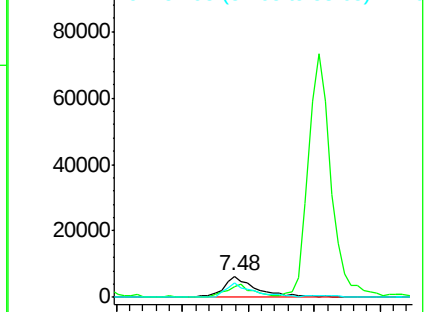
88 100

43 47.6 41.0 61.4

58 68.1 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: 427.32 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.02 min

Lab File: VD059418.D

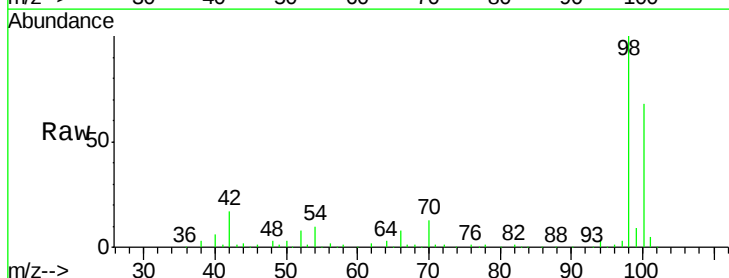
Acq: 26 Jun 2018 11:55

Tgt Ion: 98 Resp: 1021626

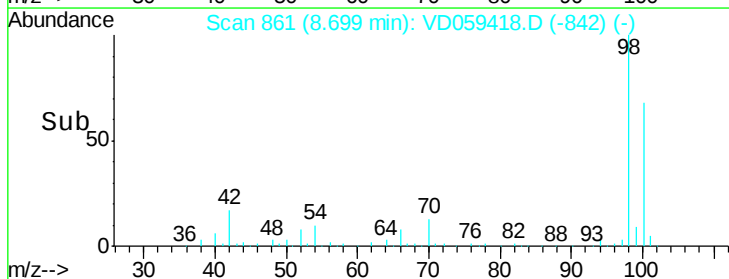
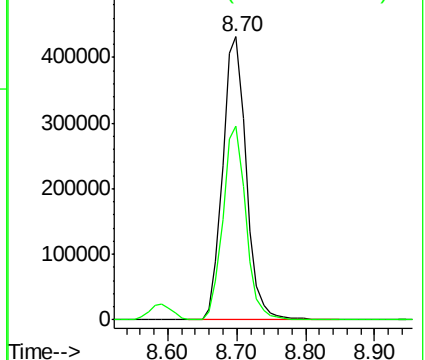
Ion Ratio Lower Upper

98 100

100 68.3 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: 105.44 ug/l

RT: 8.58 min Scan# 849

Delta R.T. -0.03 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Instrument :

MSVOA_D

ClientSampleId :

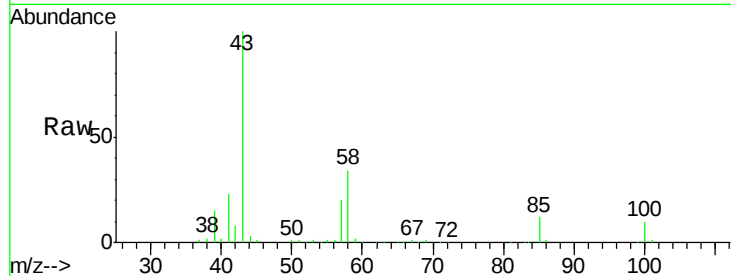
VD0626SBS01

Tot Ion: 43 Resp: 589922

Ion Ratio Lower Upper

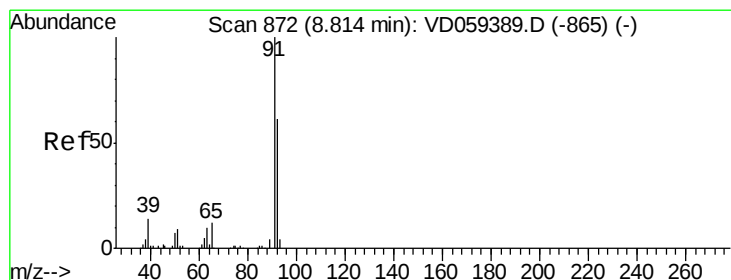
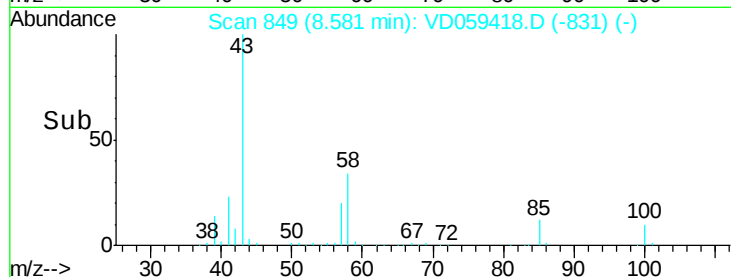
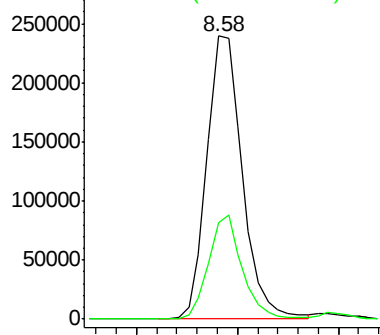
43 100

58 34.2 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: 21.46 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.03 min

Lab File: VD059418.D

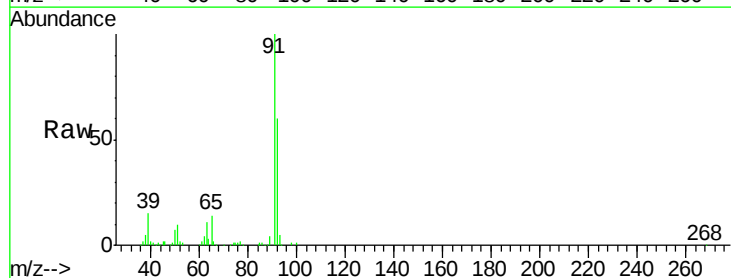
Acq: 26 Jun 2018 11:55

Tgt Ion: 92 Resp: 337616

Ion Ratio Lower Upper

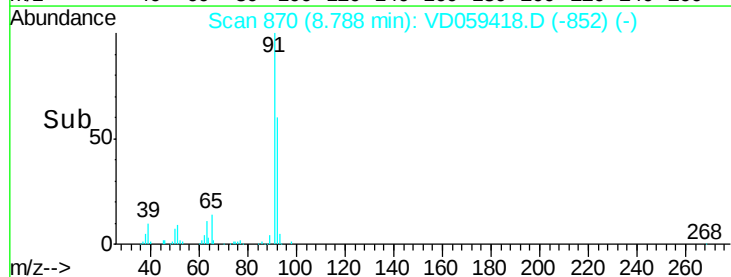
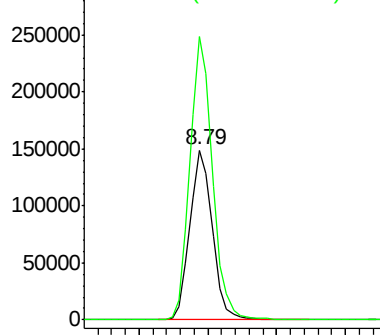
92 100

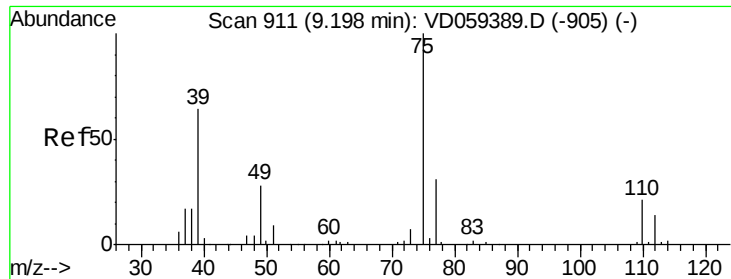
91 166.9 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

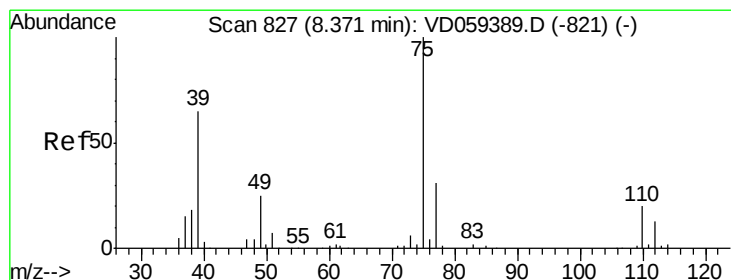
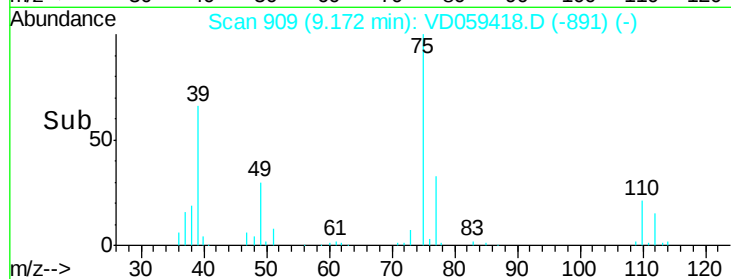
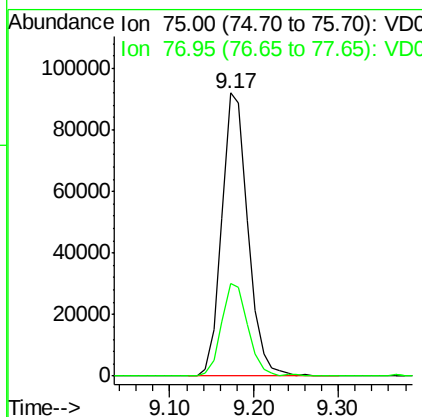
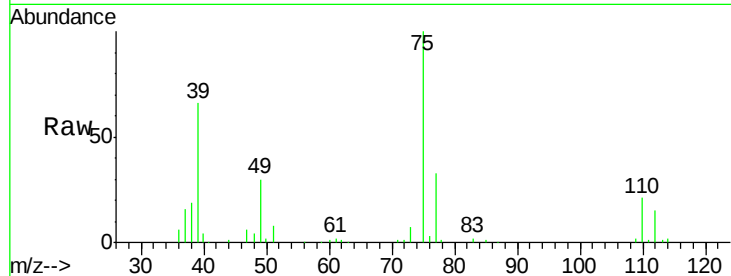




#53
 t-1,3-Dichloropropene
 Concen: 20.21 ug/l
 RT: 9.17 min Scan# 909
 Delta R.T. -0.03 min
 Lab File: VD059418.D
 Acq: 26 Jun 2018 11:55

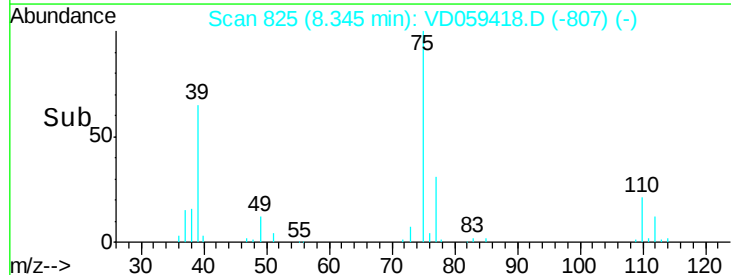
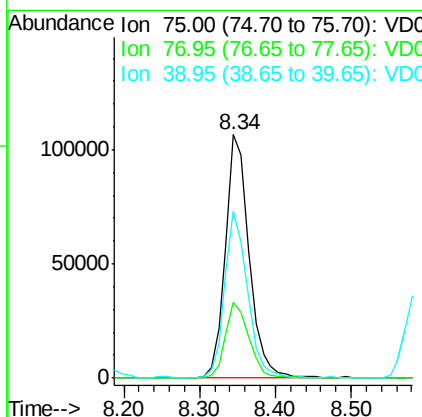
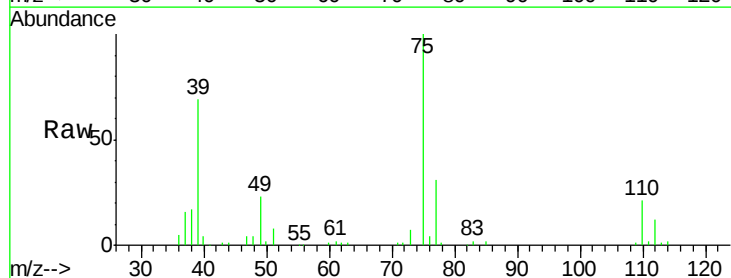
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBSD01

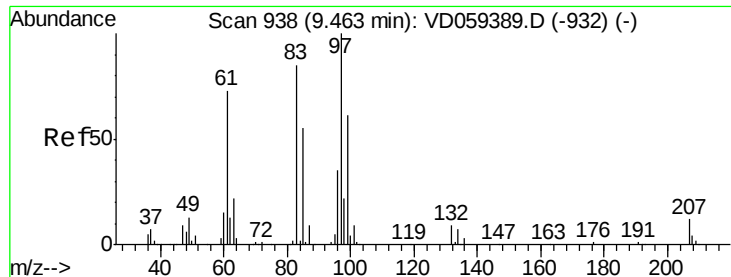
Tot Ion: 75 Resp: 198341
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 20.34 ug/l
 RT: 8.34 min Scan# 825
 Delta R.T. -0.03 min
 Lab File: VD059418.D
 Acq: 26 Jun 2018 11:55

Tgt Ion: 75 Resp: 231061
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.7 37.1
 39 68.8 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 20.80 ug/l

RT: 9.44 min Scan# 936

Delta R.T. -0.03 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBSD01

Tot Ion: 97 Resp: 118837

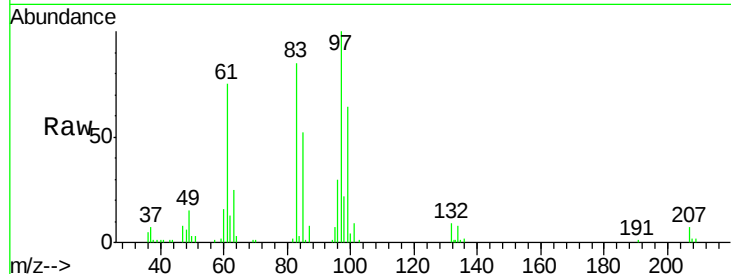
Ion Ratio Lower Upper

97 100

83 85.1 67.7 101.5

85 51.9 44.3 66.5

99 64.1 48.6 73.0

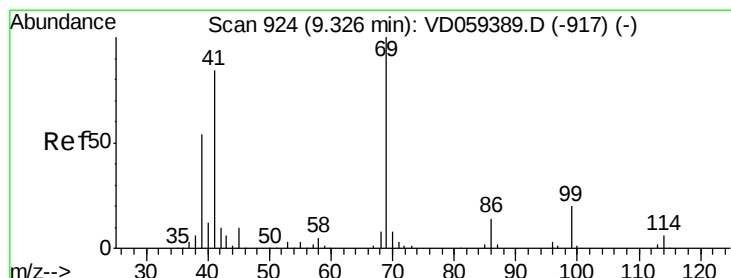
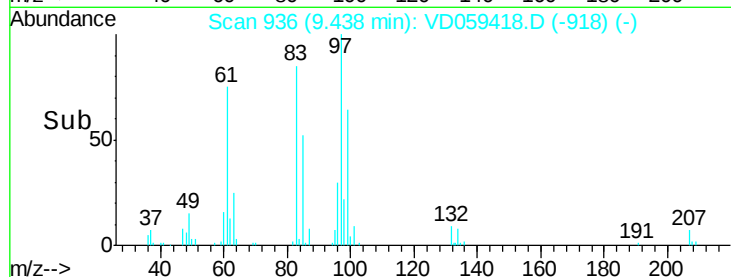
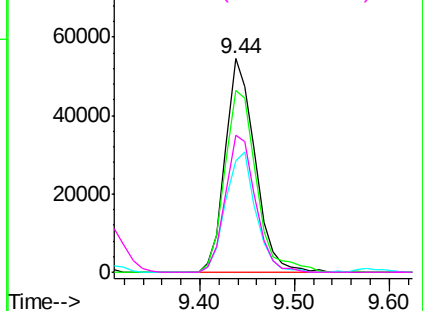


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 21.25 ug/l

RT: 9.30 min Scan# 922

Delta R.T. -0.03 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

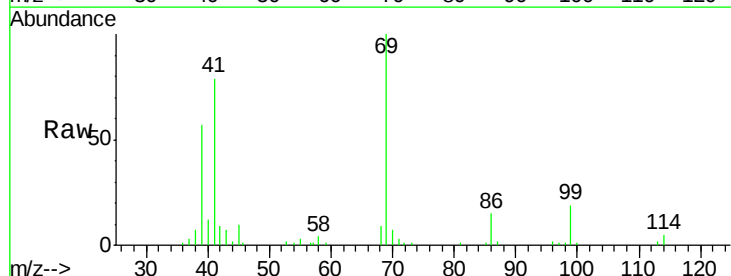
Tgt Ion: 69 Resp: 138500

Ion Ratio Lower Upper

69 100

41 78.9 67.4 101.0

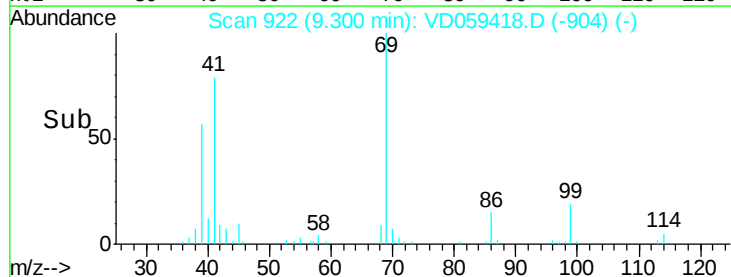
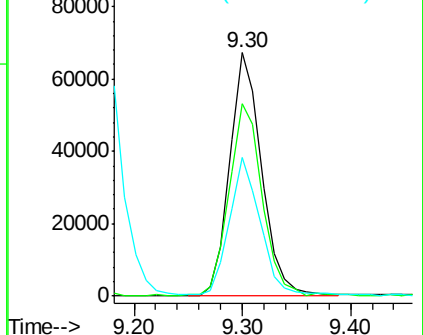
39 57.0 43.7 65.5

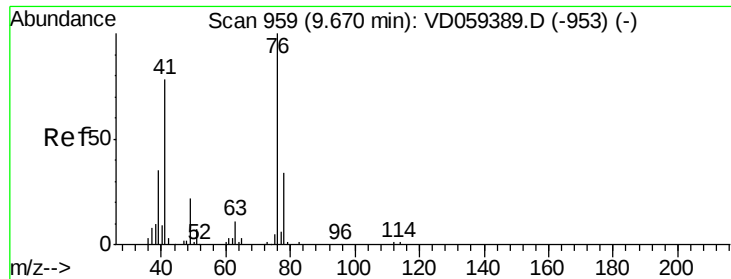


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.75 ug/l

RT: 9.65 min Scan# 958

Delta R.T. -0.02 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Instrument :

MSVOA_D

ClientSampleId :

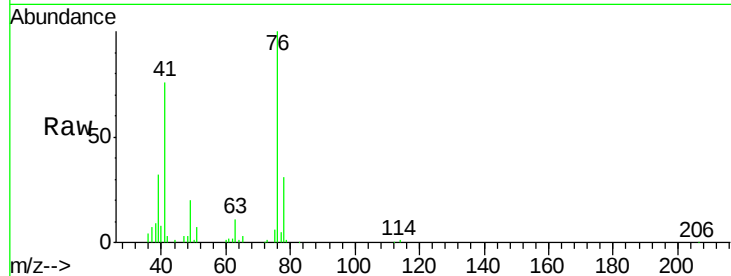
VD0626SBSD01

Tot Ion: 76 Resp: 193883

Ion Ratio Lower Upper

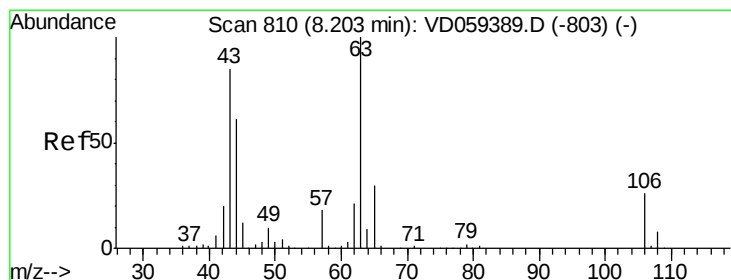
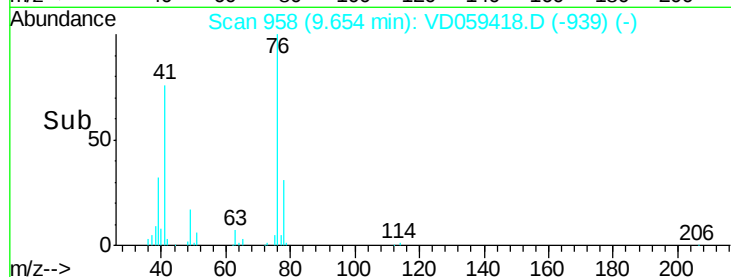
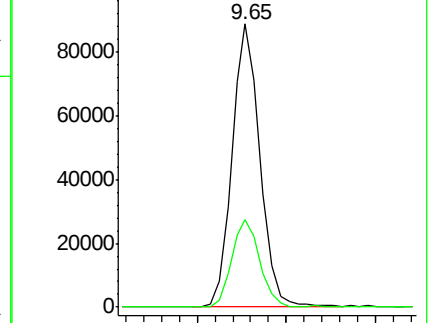
76 100

78 31.1 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: 107.18 ug/l

RT: 8.18 min Scan# 808

Delta R.T. -0.03 min

Lab File: VD059418.D

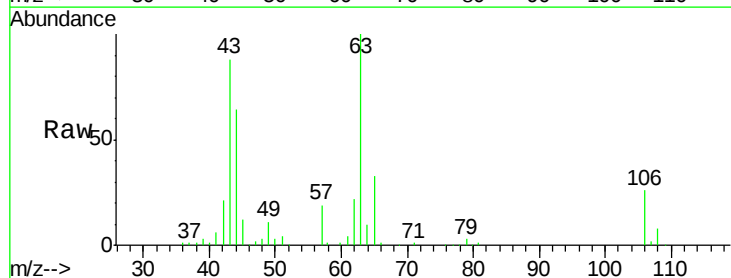
Acq: 26 Jun 2018 11:55

Tgt Ion: 63 Resp: 359651

Ion Ratio Lower Upper

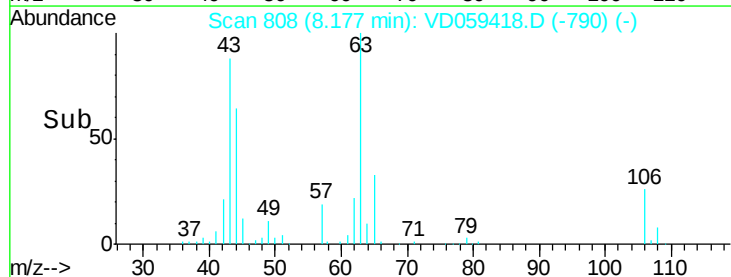
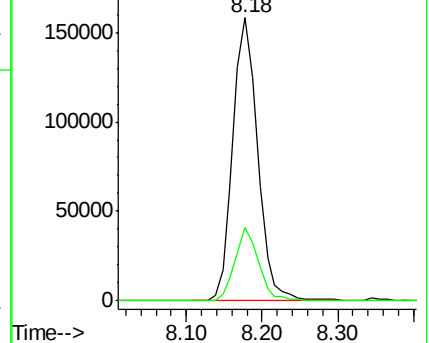
63 100

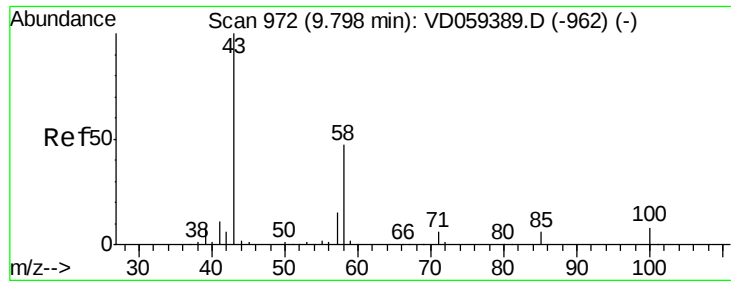
106 25.8 20.6 31.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

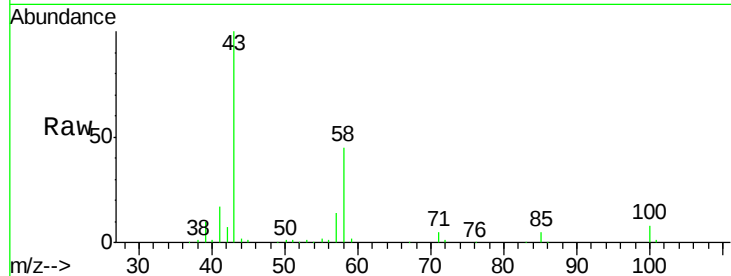




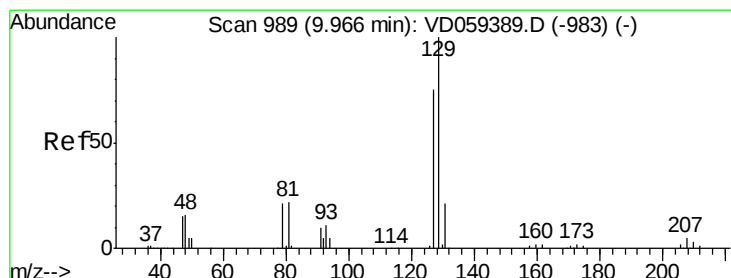
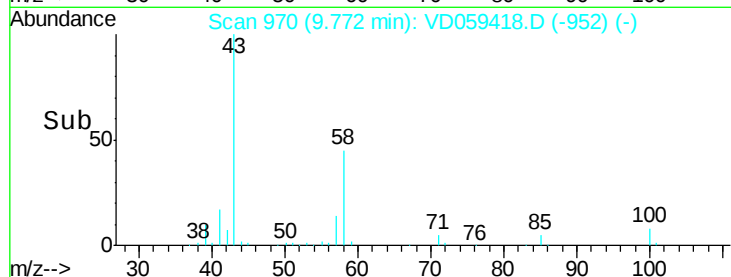
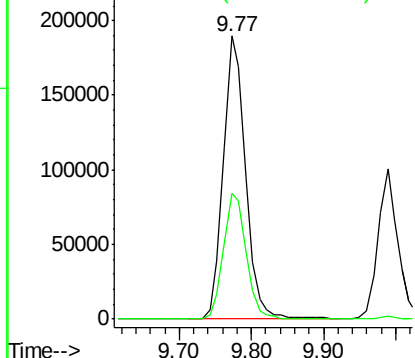
#59
2-Hexanone
Concen: 101.96 ug/l
RT: 9.77 min Scan# 970
Delta R.T. -0.03 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

Tot Ion: 43 Resp: 405428
Ion Ratio Lower Upper
43 100
58 44.6 23.3 69.9

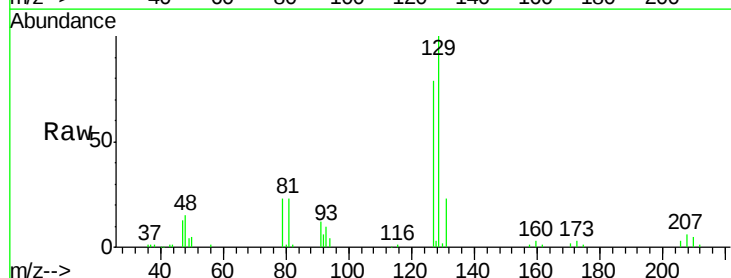


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

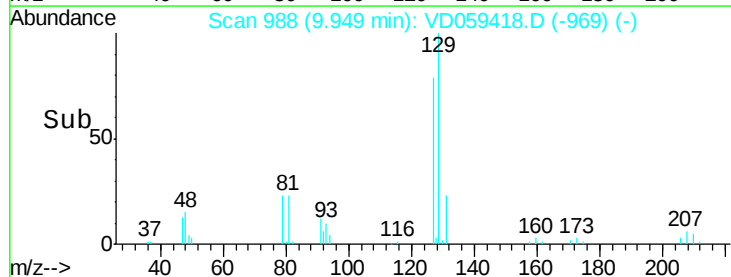
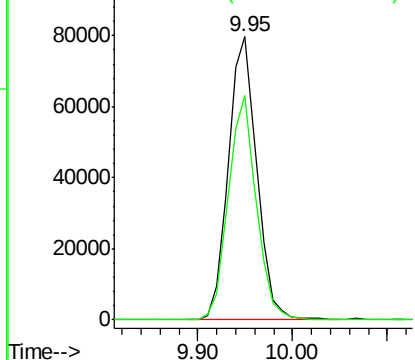


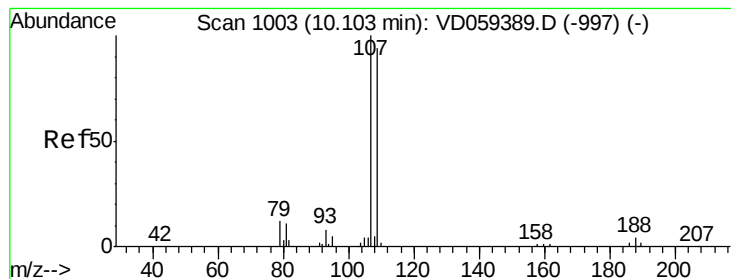
#60
Dibromochloromethane
Concen: 20.69 ug/l
RT: 9.95 min Scan# 988
Delta R.T. -0.02 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

Tgt Ion: 129 Resp: 165547
Ion Ratio Lower Upper
129 100
127 79.3 37.3 111.8



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 20.86 ug/l

RT: 10.08 min Scan# 1001

Delta R.T. -0.03 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Instrument :

MSVOA_D

ClientSampleId :

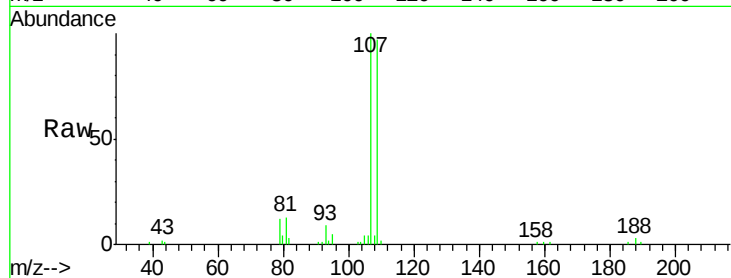
VD0626SBSD01

Tot Ion:107 Resp: 132729

Ion Ratio Lower Upper

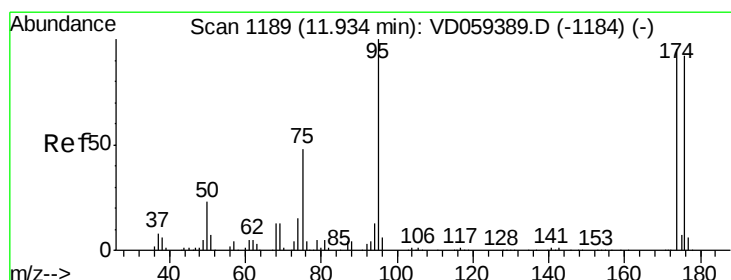
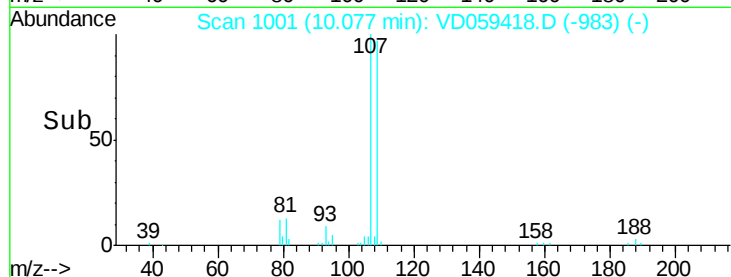
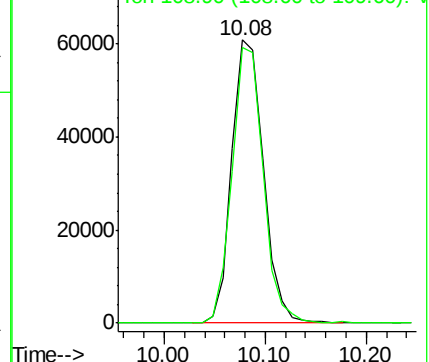
107 100

109 97.2 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.86 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.01 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

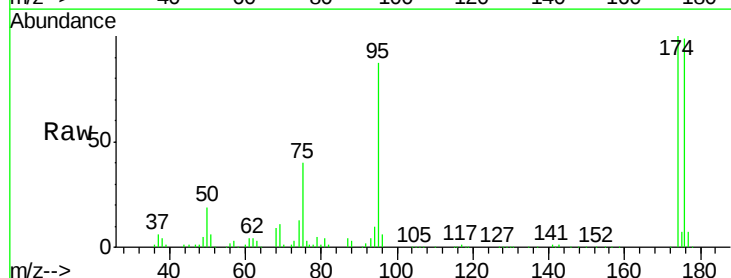
Tgt Ion: 95 Resp: 425031

Ion Ratio Lower Upper

95 100

174 114.4 0.0 190.4

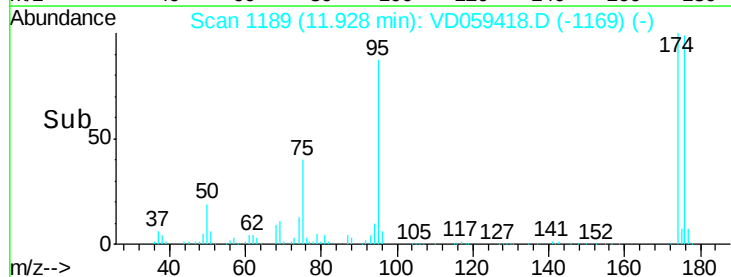
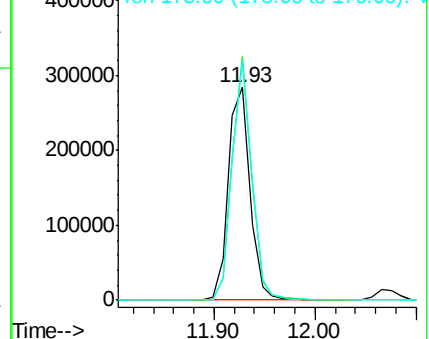
176 112.7 0.0 183.2

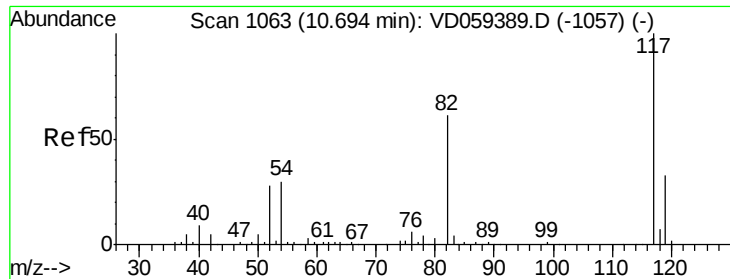


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

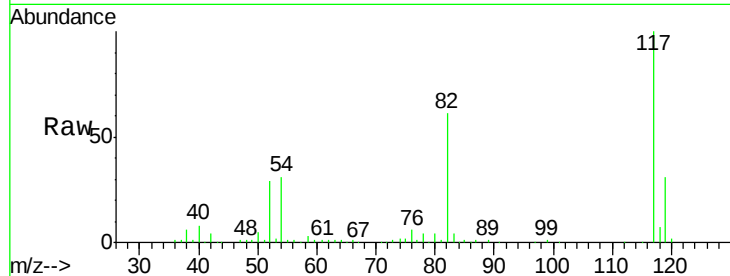




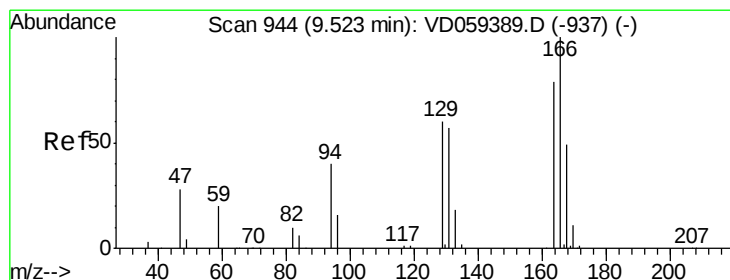
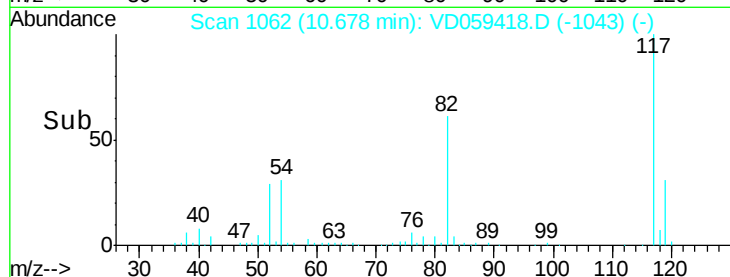
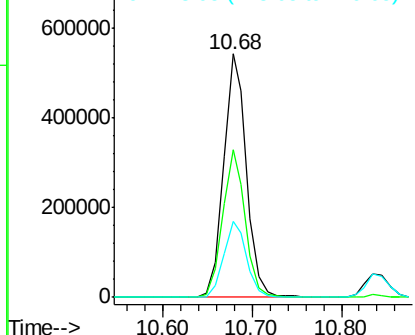
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.02 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

Tot Ion:117 Resp: 981455
Ion Ratio Lower Upper
117 100
82 60.9 49.0 73.6
119 31.3 26.2 39.4



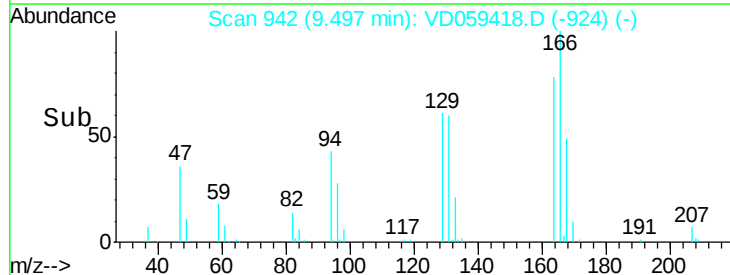
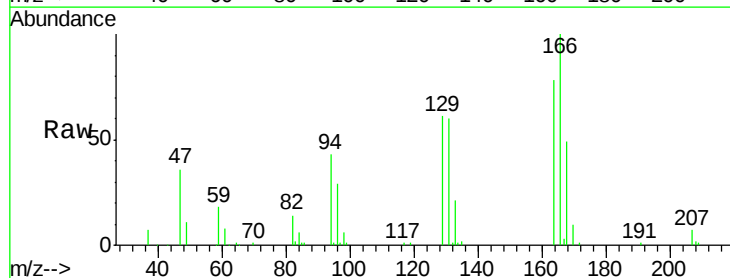
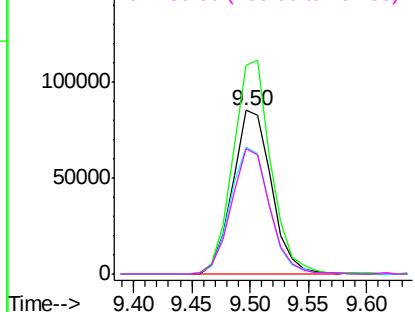
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

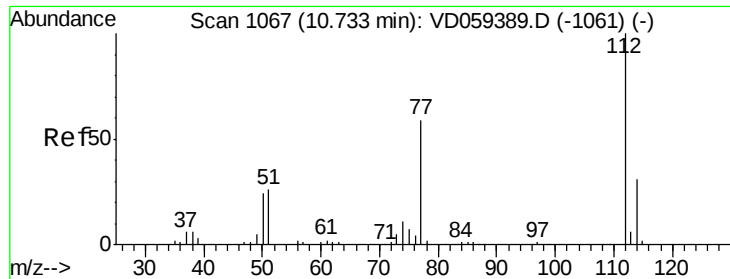


#64
Tetrachloroethene
Concen: 22.74 ug/l
RT: 9.50 min Scan# 942
Delta R.T. -0.03 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

Tgt Ion:164 Resp: 195780
Ion Ratio Lower Upper
164 100
166 127.7 101.4 152.2
129 77.3 60.9 91.3
131 76.4 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

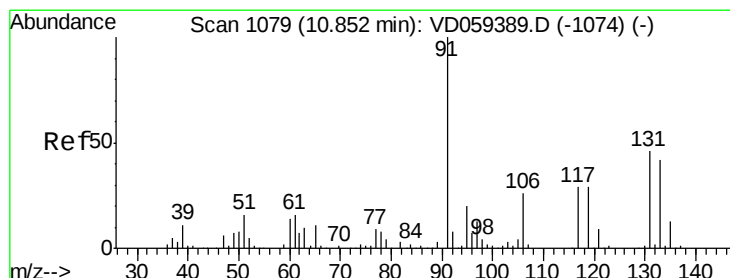
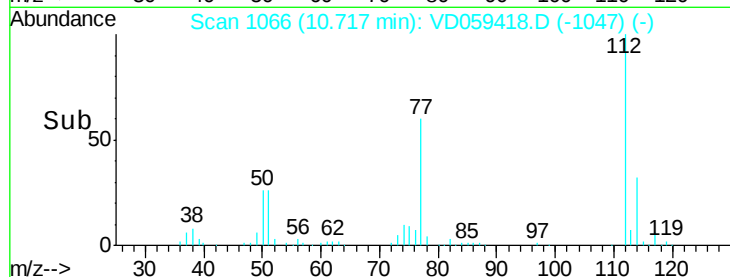
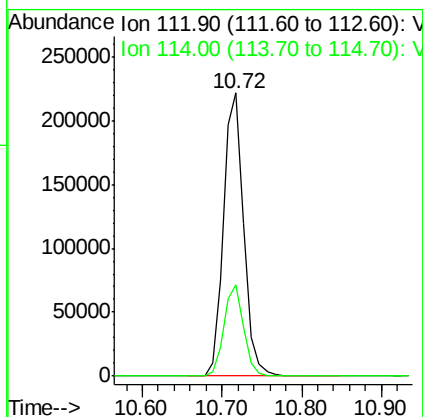
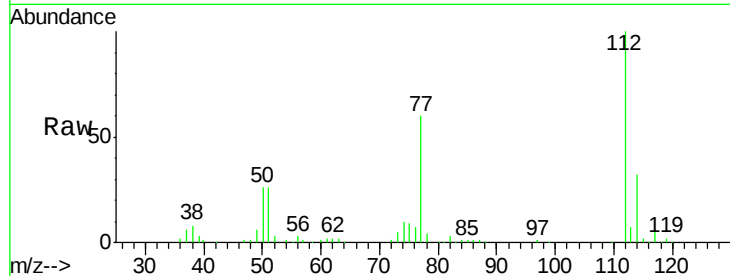




#65
Chlorobenzene
Concen: 22.09 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.02 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

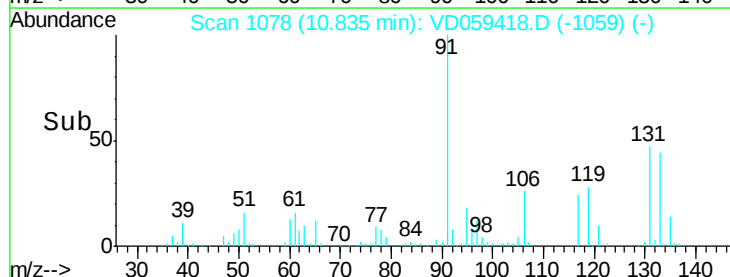
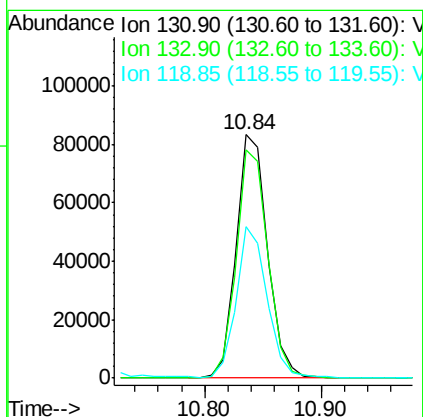
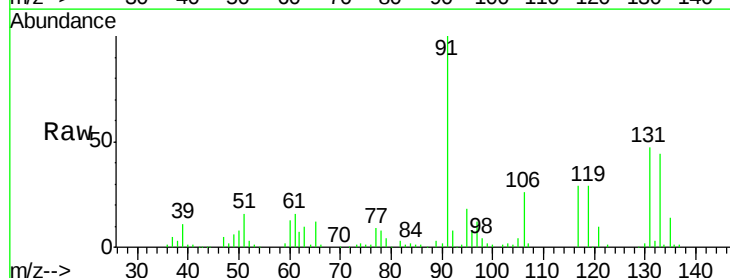
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

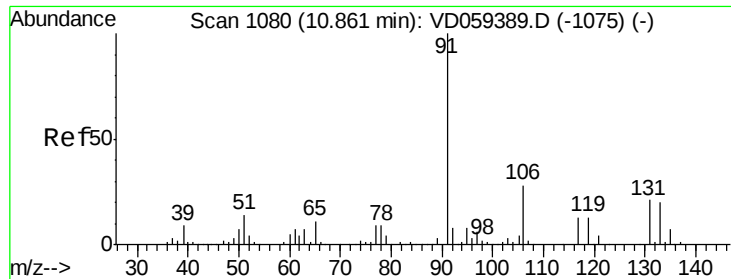
Tot Ion:112 Resp: 396362
Ion Ratio Lower Upper
112 100
114 32.3 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.51 ug/l
RT: 10.84 min Scan# 1078
Delta R.T. -0.02 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

Tgt Ion:131 Resp: 155048
Ion Ratio Lower Upper
131 100
133 93.6 45.7 137.1
119 62.4 32.3 96.9

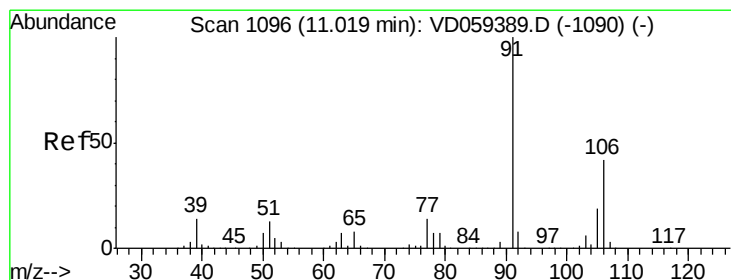
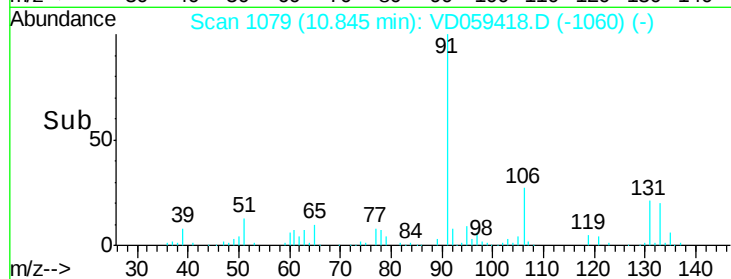
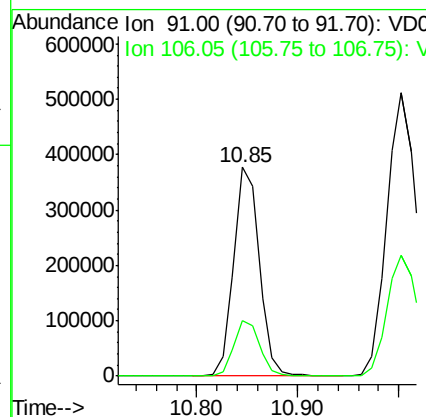
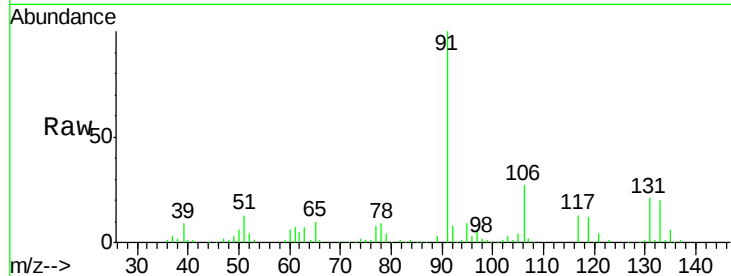




#67
Ethyl Benzene
Concen: 21.99 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.02 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

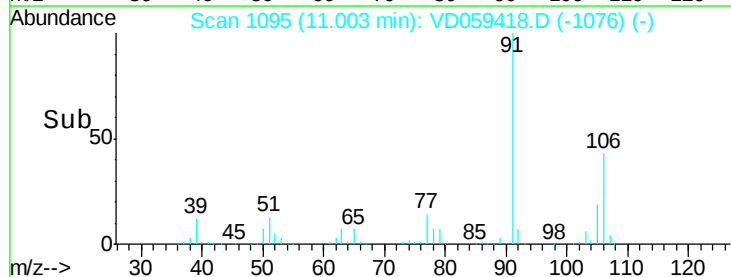
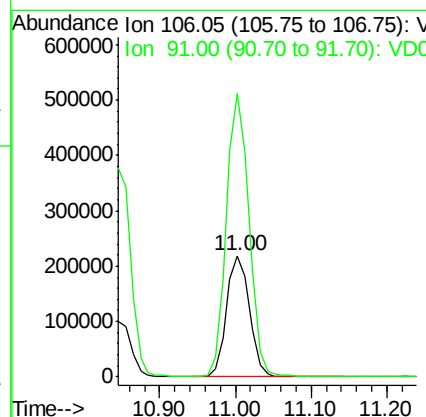
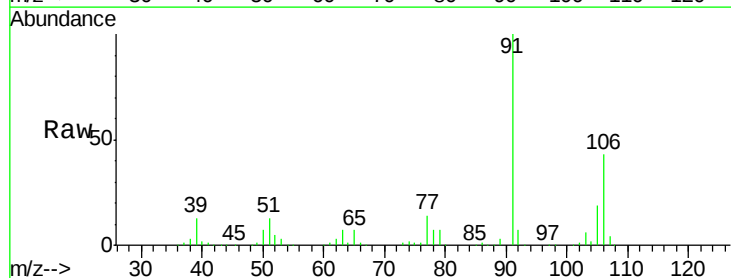
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBS01

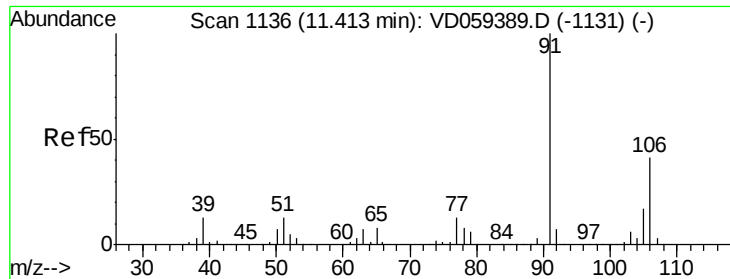
Tot Ion: 91 Resp: 666062
Ion Ratio Lower Upper
91 100
106 26.8 22.3 33.5



#68
m/p-Xylenes
Concen: 45.96 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.02 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

Tgt Ion: 106 Resp: 461723
Ion Ratio Lower Upper
106 100
91 233.5 191.0 286.6

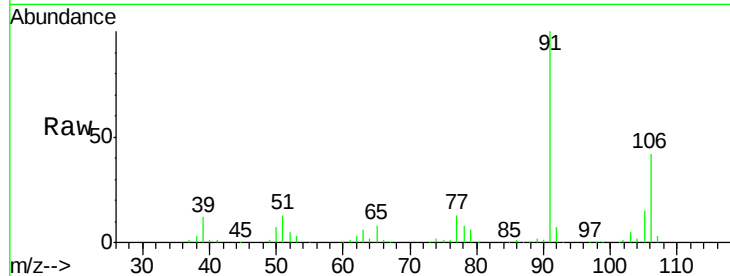




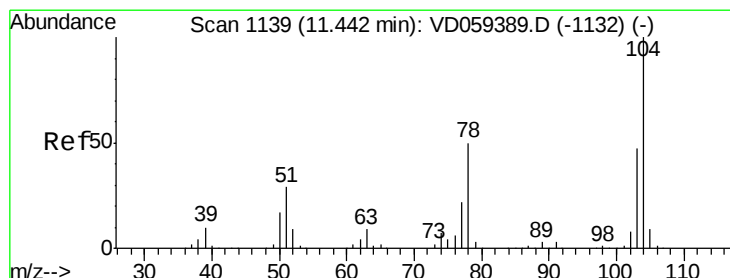
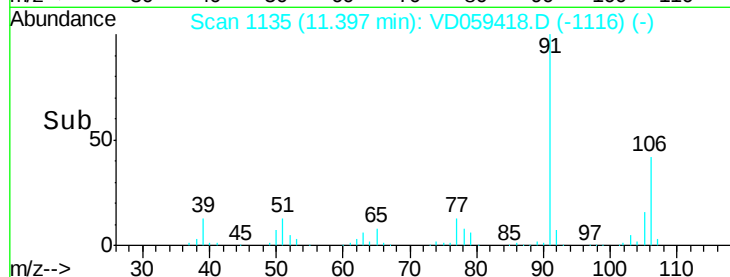
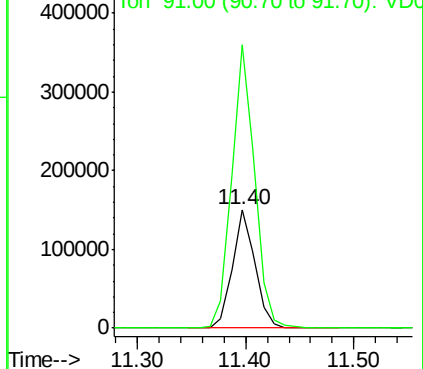
#69
o-Xylene
Concen: 22.26 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.02 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

Tot Ion:106 Resp: 221071
Ion Ratio Lower Upper
106 100
91 238.4 121.0 362.8

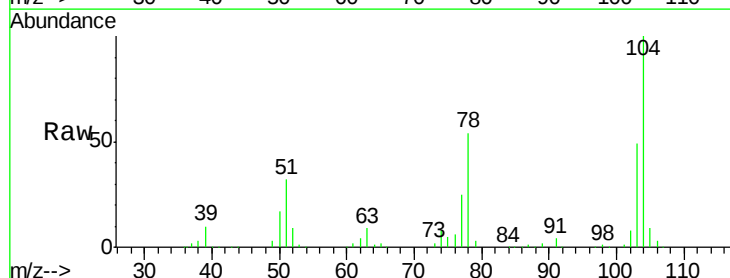


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

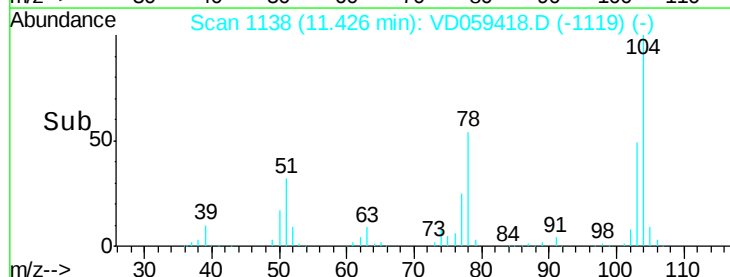
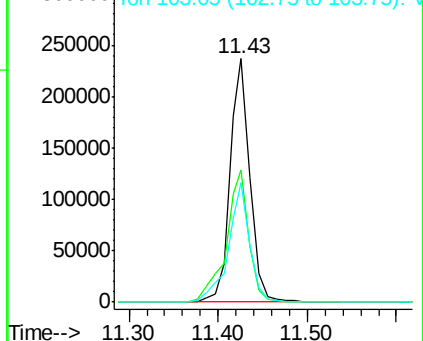


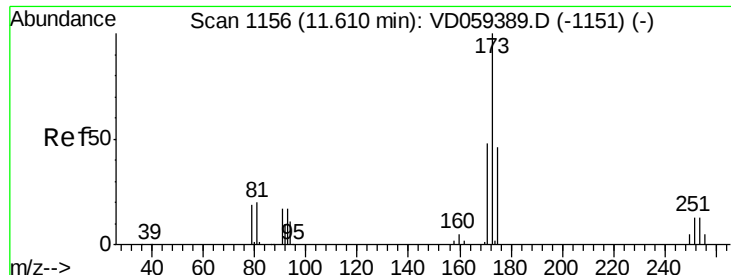
#70
Styrene
Concen: 21.84 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.02 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

Tgt Ion:104 Resp: 371943
Ion Ratio Lower Upper
104 100
78 54.1 40.2 60.4
103 49.2 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

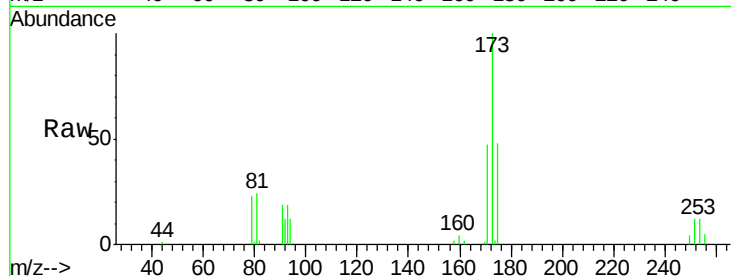




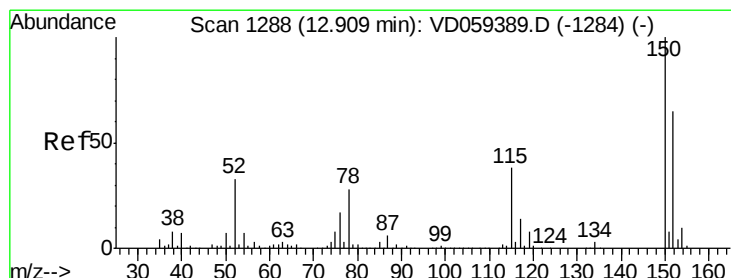
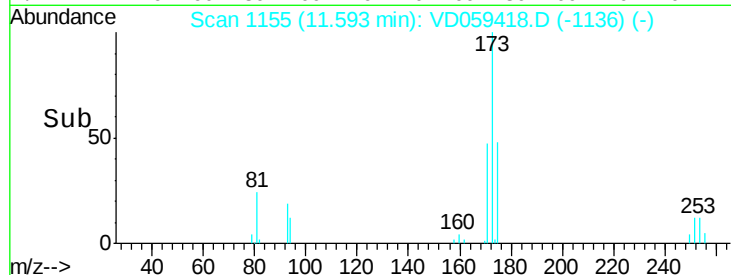
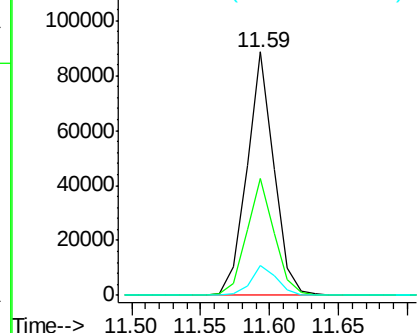
#71
Bromoform
Concen: 21.25 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. -0.02 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

Tot Ion:173 Resp: 121251
Ion Ratio Lower Upper
173 100
175 48.0 22.8 68.4
254 12.0 10.1 15.1

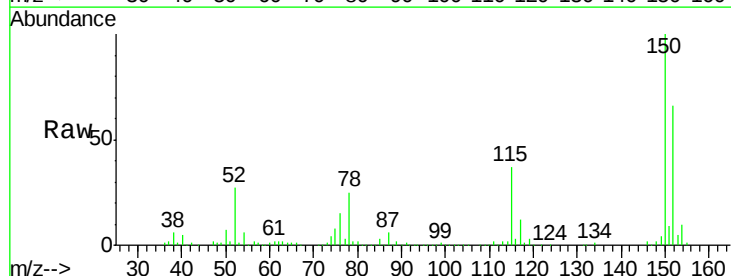


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

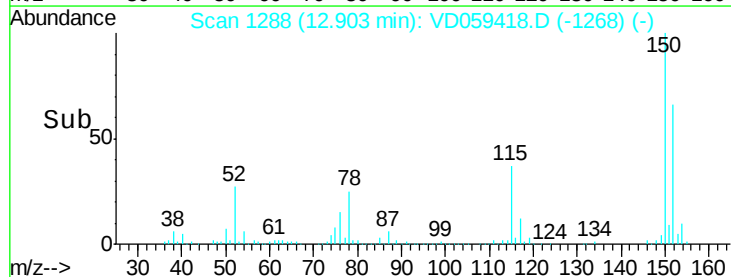
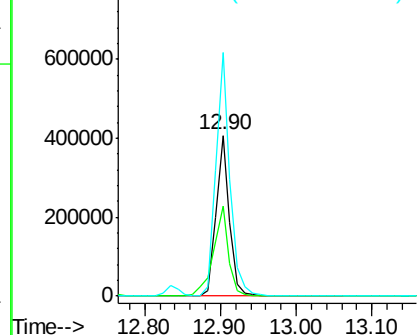


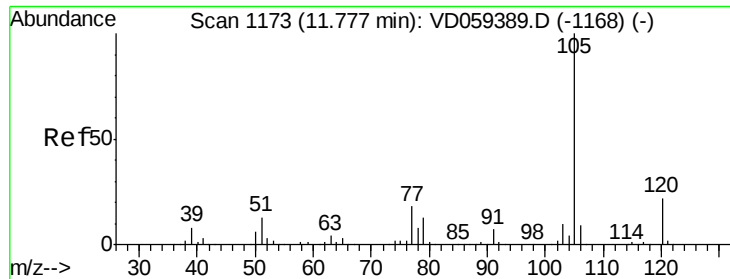
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

Tgt Ion:152 Resp: 507944
Ion Ratio Lower Upper
152 100
115 55.7 29.4 88.3
150 151.5 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: 21.36 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Instrument :

MSVOA_D

ClientSampleId :

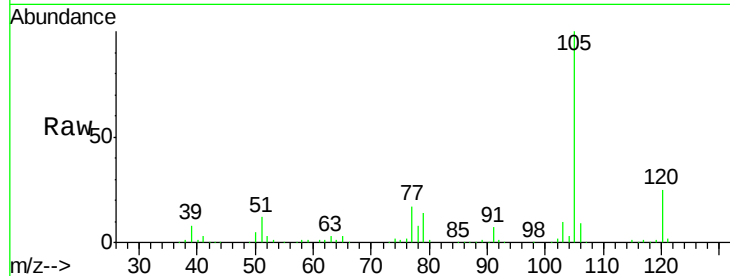
VD0626SBSD01

Tot Ion:105 Resp: 612238

Ion Ratio Lower Upper

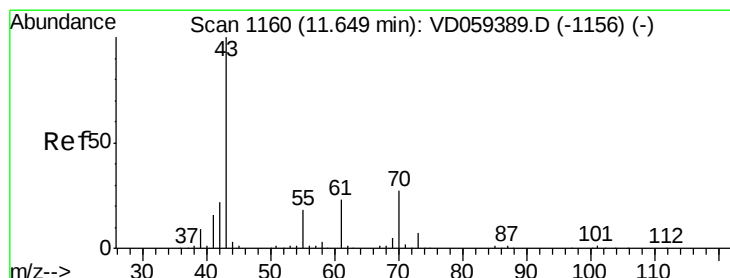
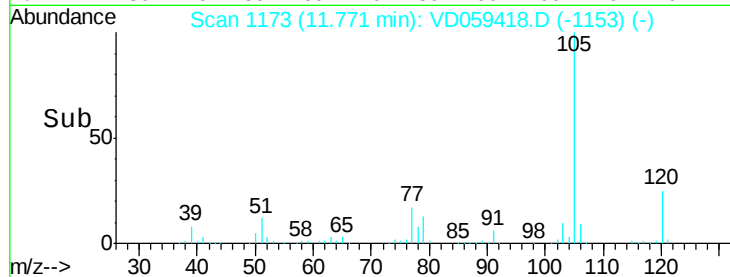
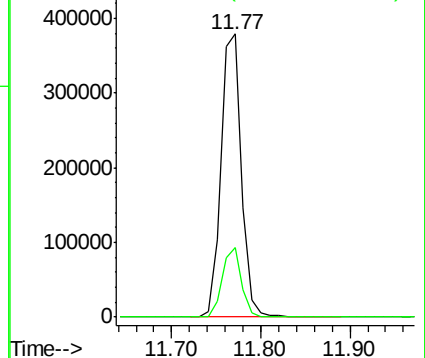
105 100

120 24.7 11.0 33.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.59 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Tgt Ion: 43 Resp: 224582

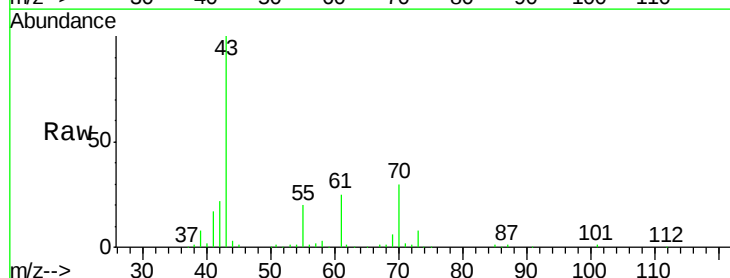
Ion Ratio Lower Upper

43 100

70 29.9 21.7 32.5

55 19.5 14.6 22.0

61 24.7 18.0 27.0

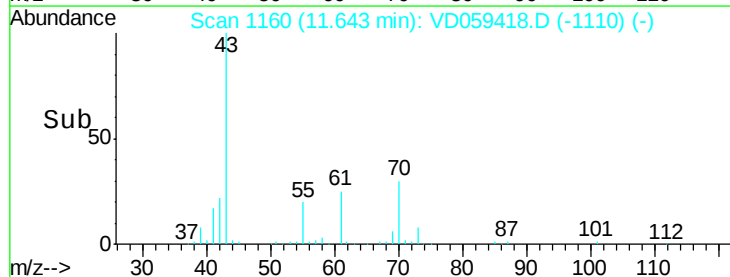
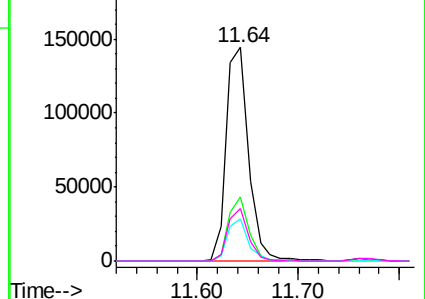


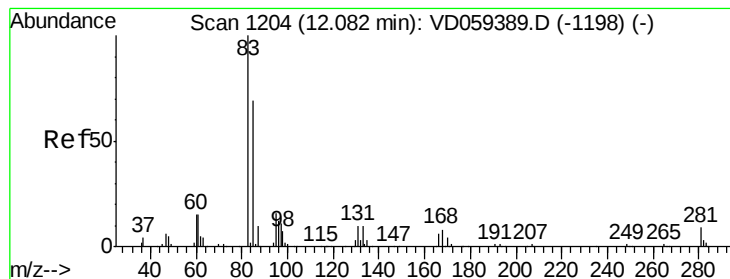
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.29 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBSD01

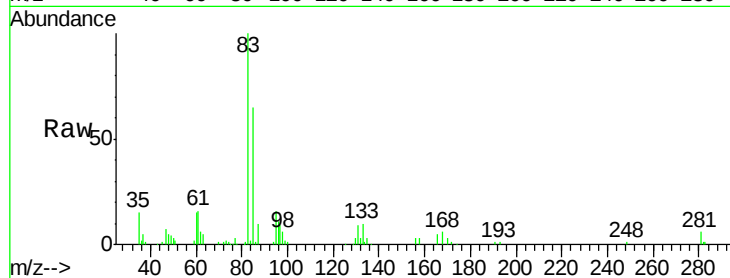
Tot Ion: 83 Resp: 136417

Ion Ratio Lower Upper

83 100

131 8.9 4.9 14.6

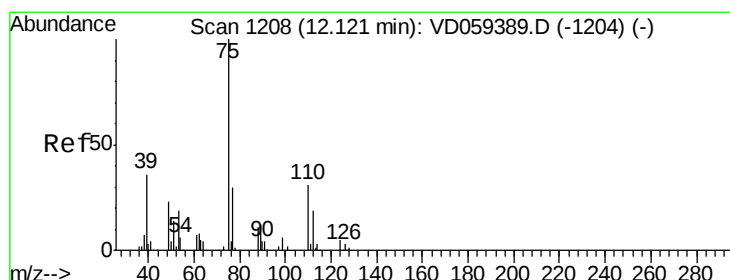
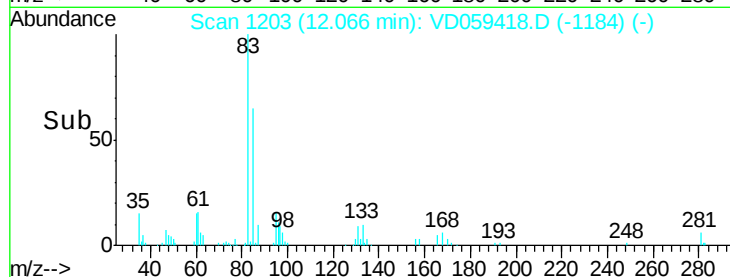
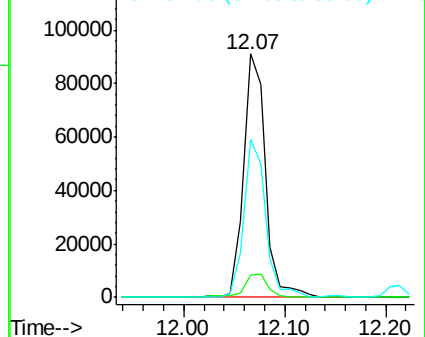
85 64.9 34.6 103.8



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: 20.11 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VD059418.D

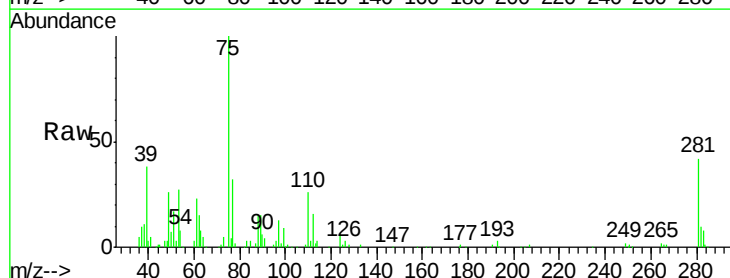
Acq: 26 Jun 2018 11:55

Tgt Ion: 75 Resp: 140892

Ion Ratio Lower Upper

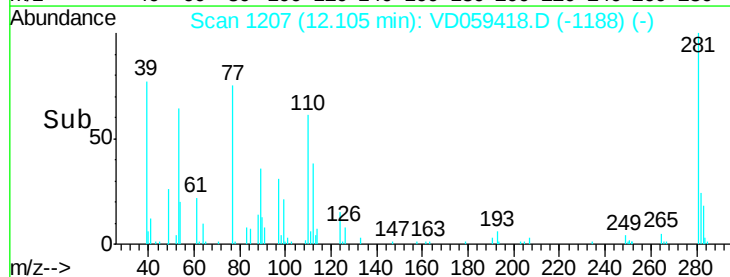
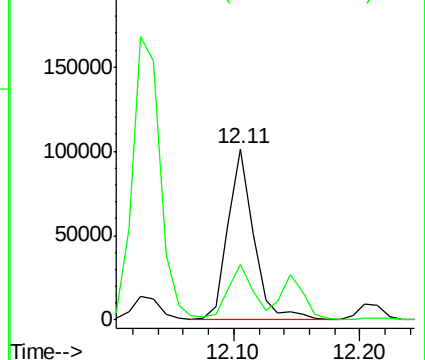
75 100

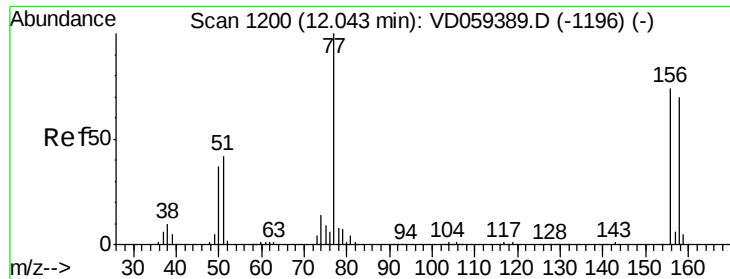
77 32.5 15.6 46.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.46 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBSD01

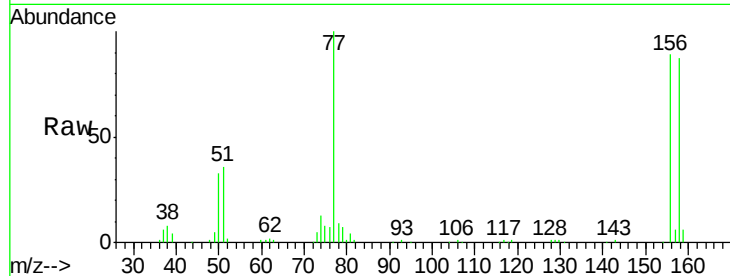
Tot Ion:156 Resp: 193565

Ion Ratio Lower Upper

156 100

77 111.9 68.0 203.8

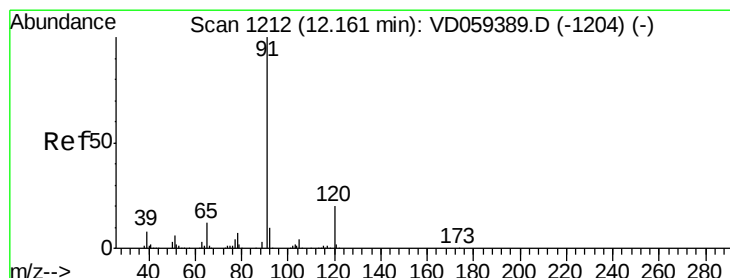
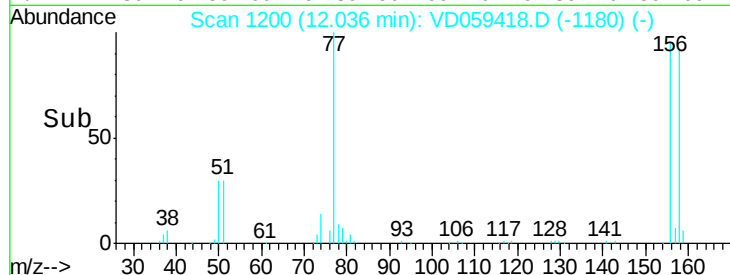
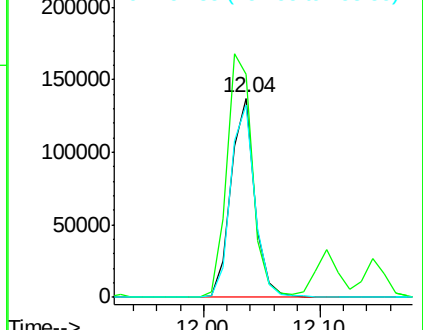
158 96.8 47.7 143.1



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: 22.37 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. -0.02 min

Lab File: VD059418.D

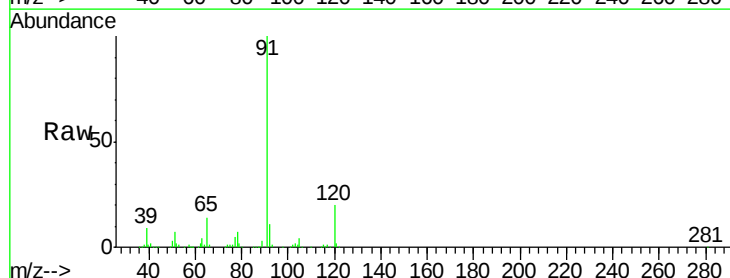
Acq: 26 Jun 2018 11:55

Tgt Ion: 91 Resp: 812109

Ion Ratio Lower Upper

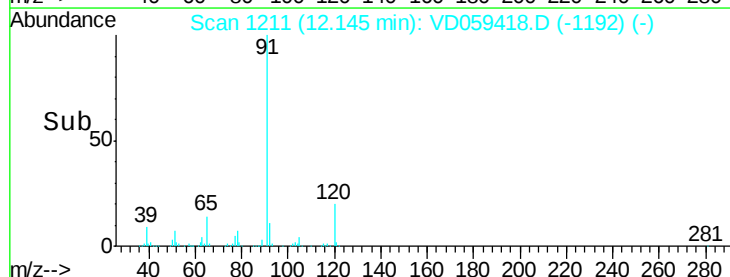
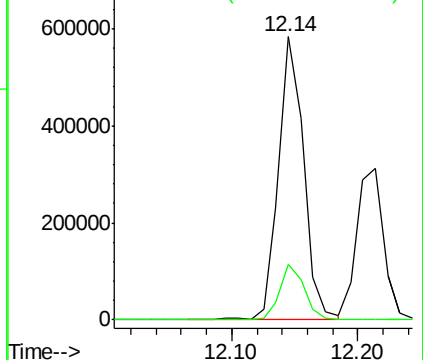
91 100

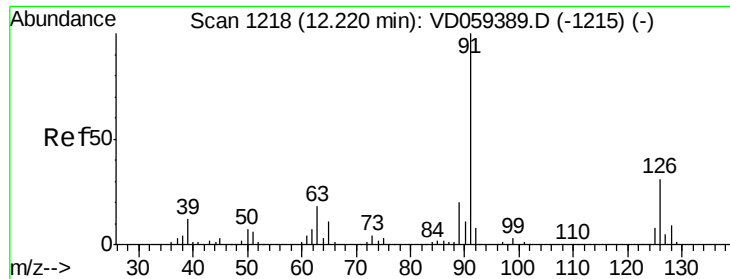
120 19.6 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

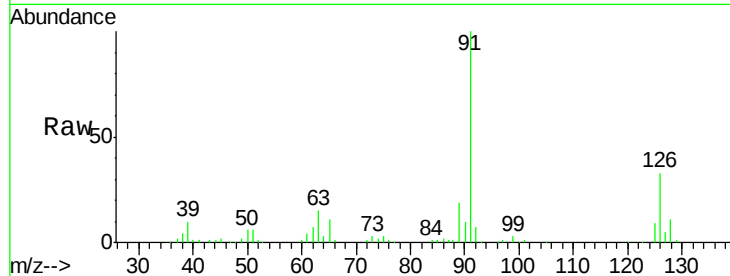




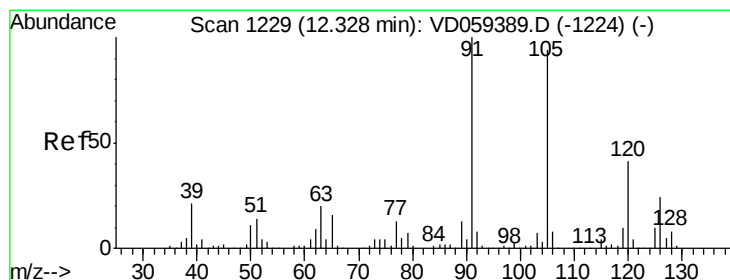
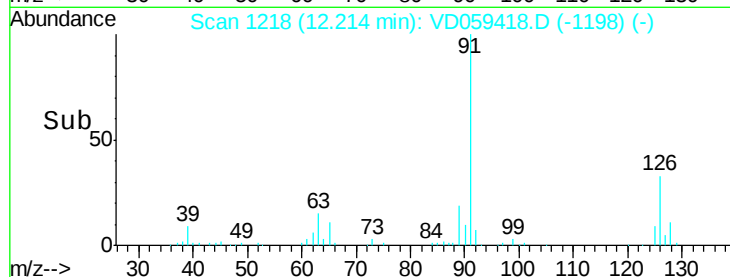
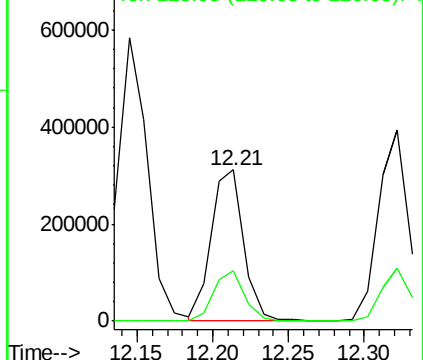
#79
 2-Chlorotoluene
 Concen: 21.85 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VD059418.D
 Acq: 26 Jun 2018 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBSD01

Tot Ion: 91 Resp: 465872
 Ion Ratio Lower Upper
 91 100
 126 33.1 15.2 45.5

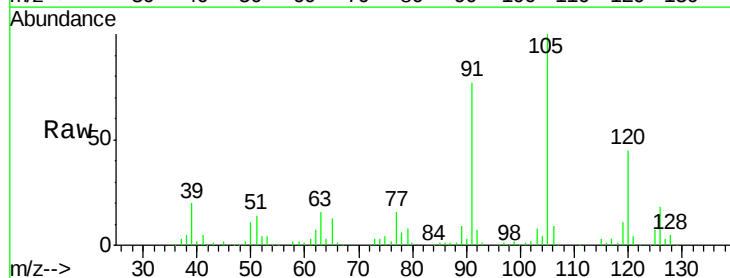


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

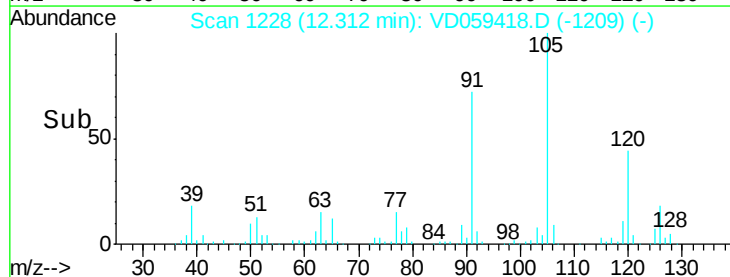
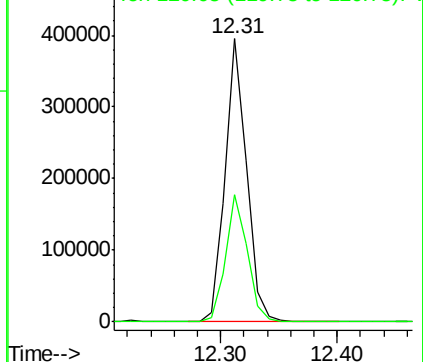


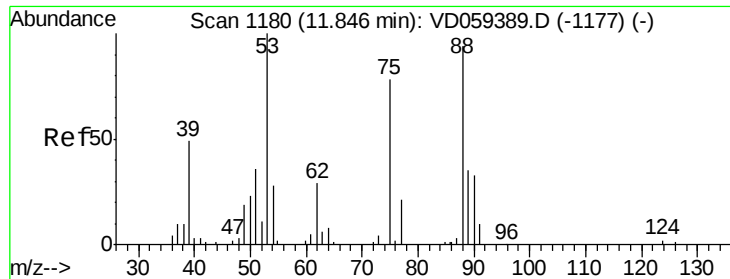
#80
 1,3,5-Trimethylbenzene
 Concen: 22.10 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.02 min
 Lab File: VD059418.D
 Acq: 26 Jun 2018 11:55

Tgt Ion: 105 Resp: 504280
 Ion Ratio Lower Upper
 105 100
 120 44.8 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: 17.58 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBSD01

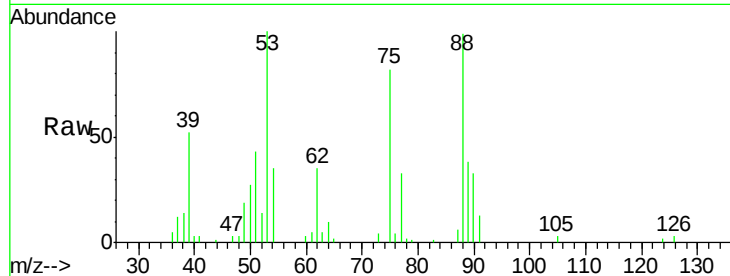
Tot Ion: 75 Resp: 27992

Ion Ratio Lower Upper

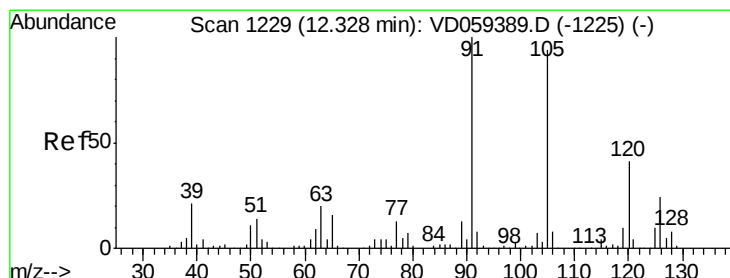
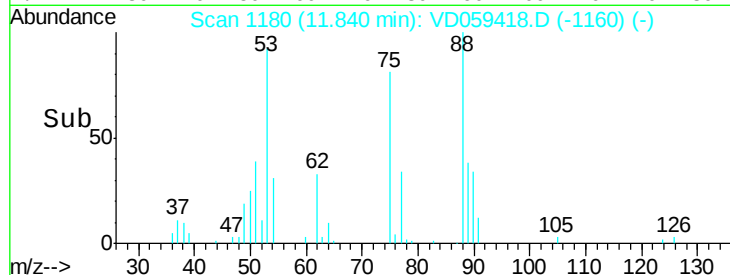
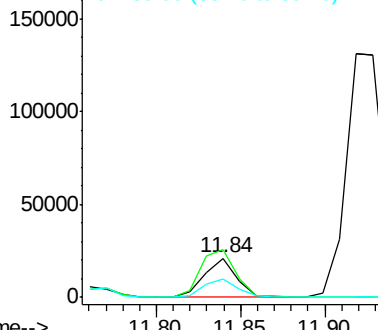
75 100

53 122.2 102.6 154.0

89 46.1 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: 22.70 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD059418.D

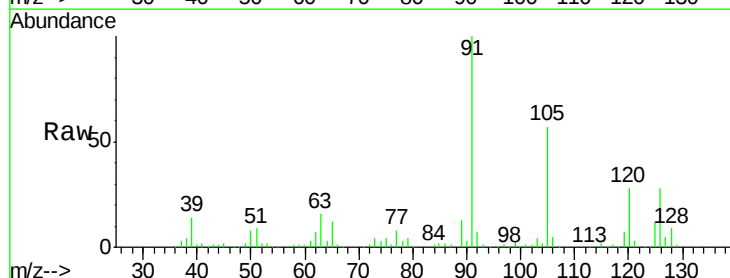
Acq: 26 Jun 2018 11:55

Tgt Ion: 91 Resp: 548680

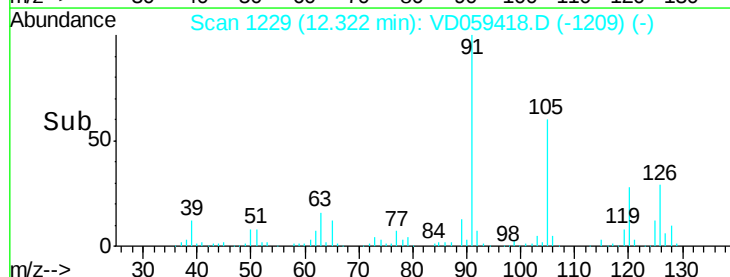
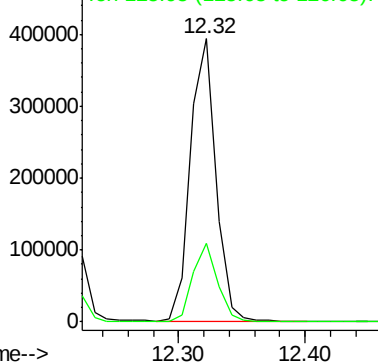
Ion Ratio Lower Upper

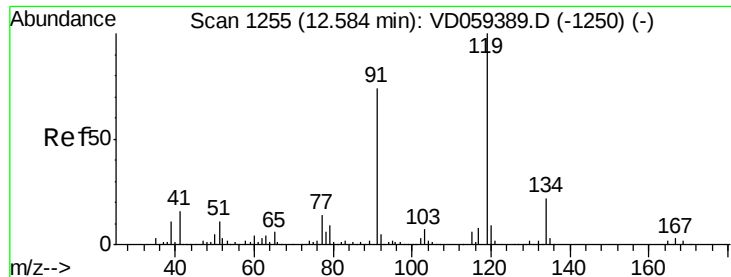
91 100

126 27.7 12.2 36.6



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

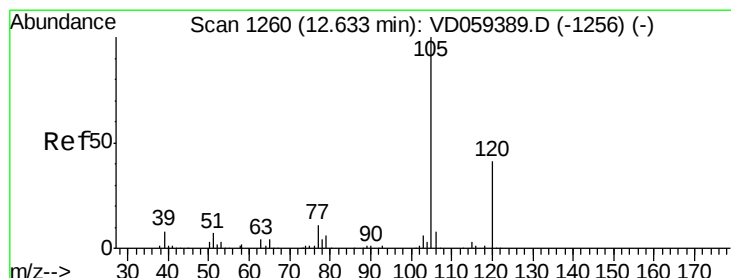
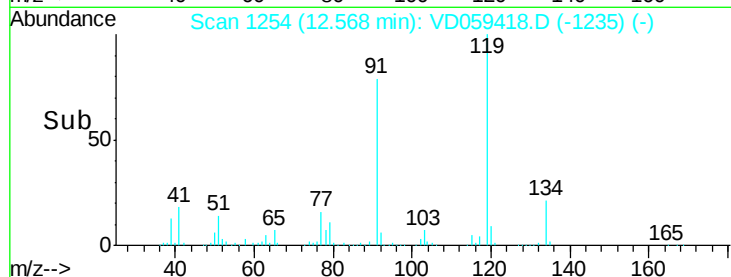
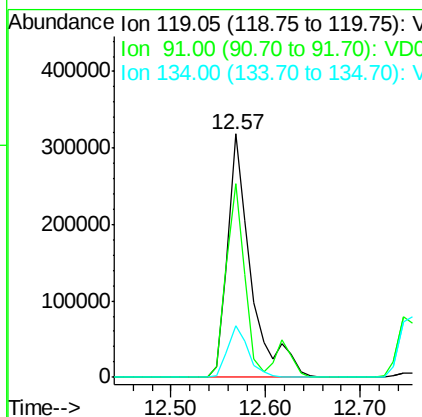
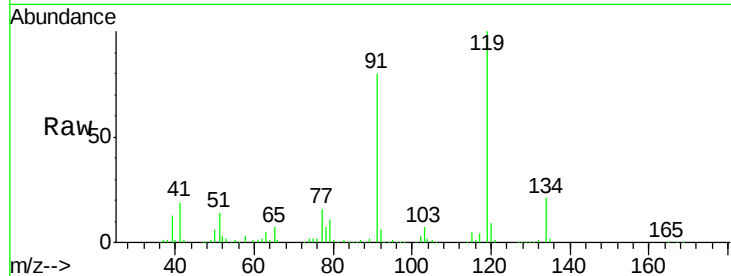




#83
tert-Butylbenzene
Concen: 22.50 ug/l
RT: 12.57 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

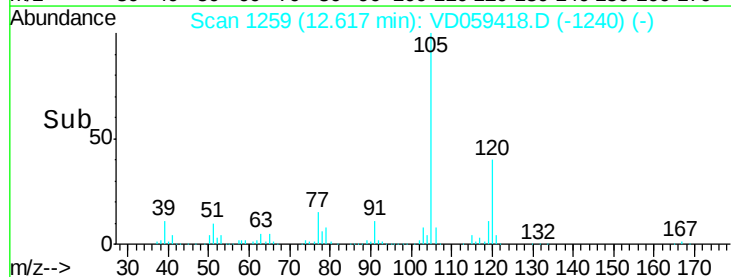
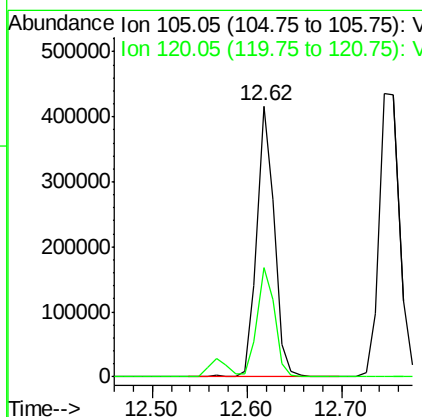
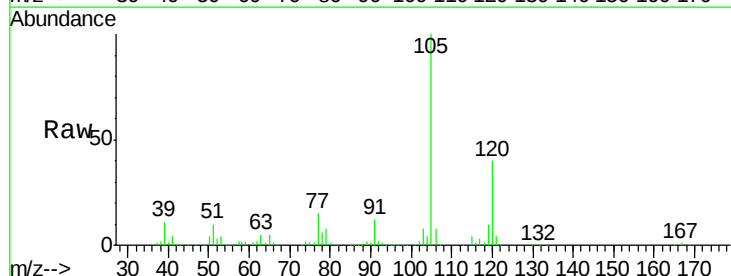
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

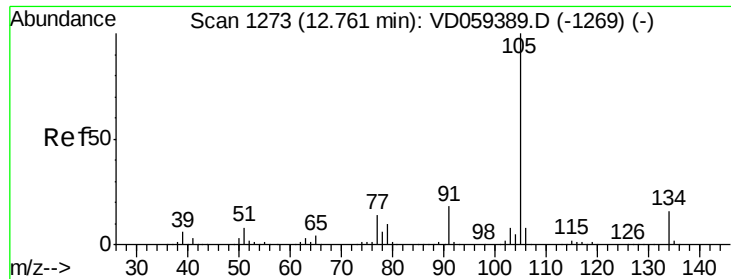
Tot Ion:119 Resp: 546049
Ion Ratio Lower Upper
119 100
91 79.8 36.9 110.7
134 21.3 11.2 33.6



#84
1,2,4-Trimethylbenzene
Concen: 22.31 ug/l
RT: 12.62 min Scan# 1259
Delta R.T. -0.02 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

Tgt Ion:105 Resp: 538809
Ion Ratio Lower Upper
105 100
120 40.5 21.5 64.5





#85

sec-Butylbenzene

Concen: 22.17 ug/l

RT: 12.75 min Scan# 1272

Delta R.T. -0.02 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

Instrument :

MSVOA_D

ClientSampleId :

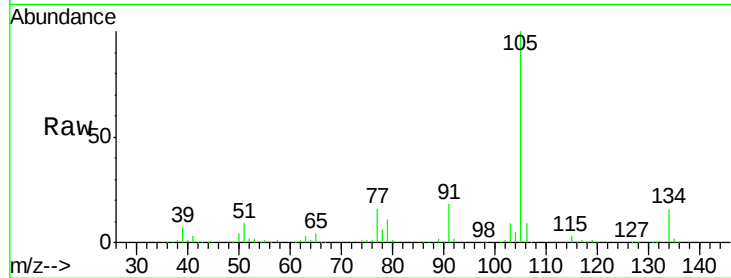
VD0626SBSD01

Tot Ion:105 Resp: 660350

Ion Ratio Lower Upper

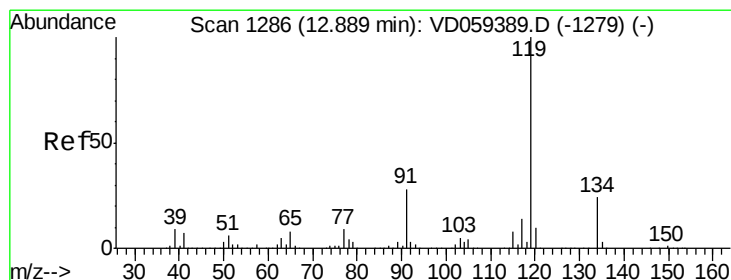
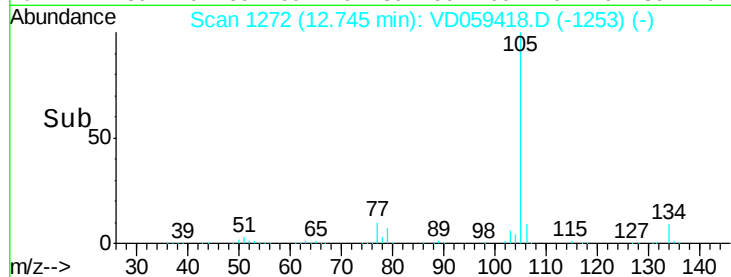
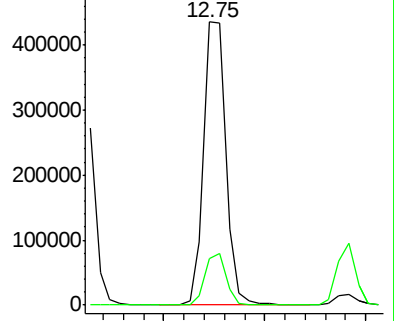
105 100

134 16.5 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: 22.76 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.01 min

Lab File: VD059418.D

Acq: 26 Jun 2018 11:55

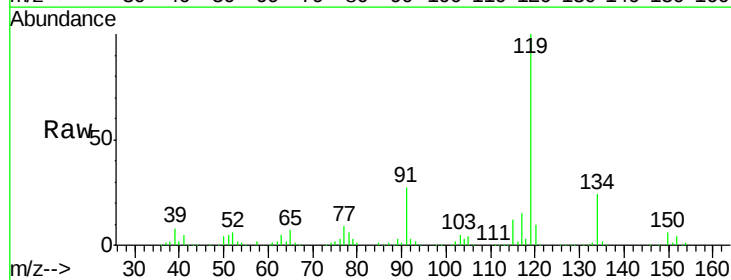
Tgt Ion:119 Resp: 546460

Ion Ratio Lower Upper

119 100

134 23.6 11.9 35.5

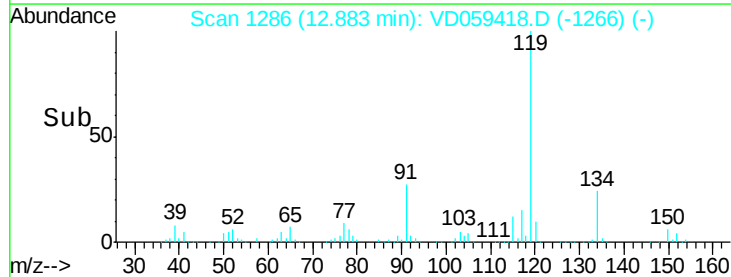
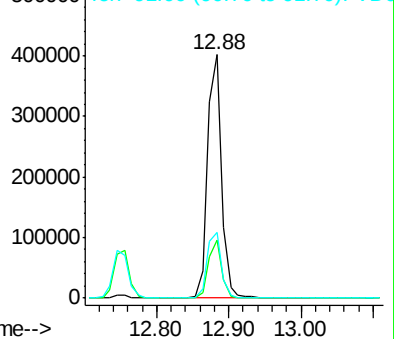
91 27.1 14.1 42.4



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

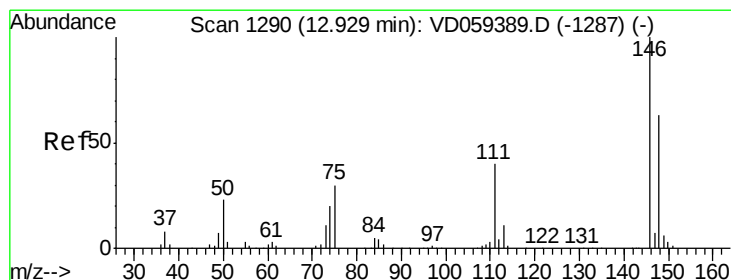
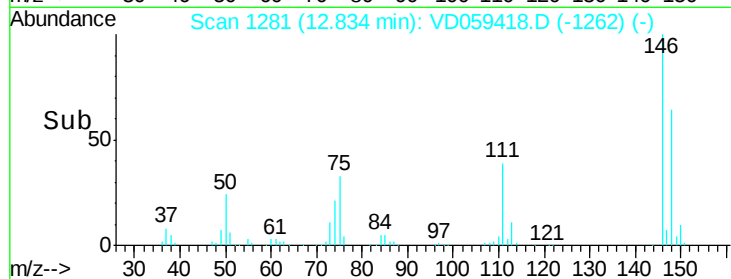
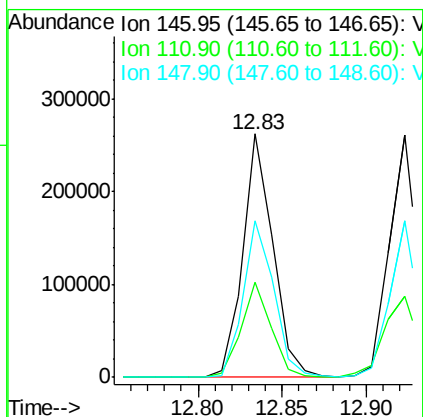
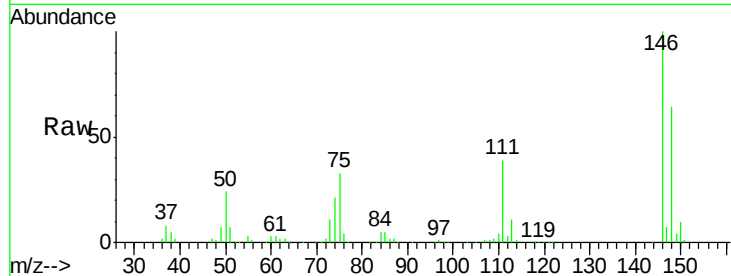




#87
 1,3-Dichlorobenzene
 Concen: 22.03 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.02 min
 Lab File: VD059418.D
 Acq: 26 Jun 2018 11:55

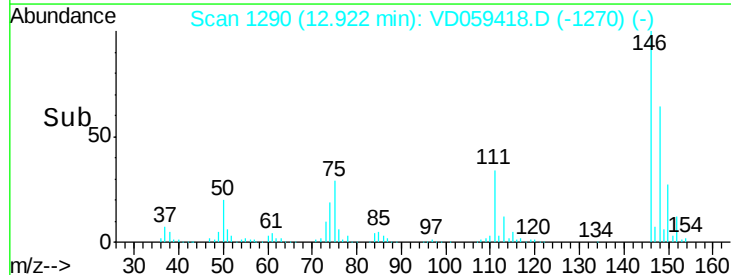
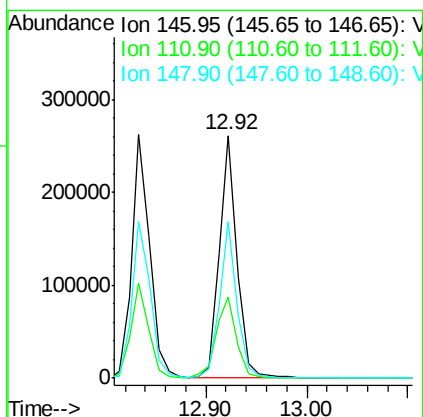
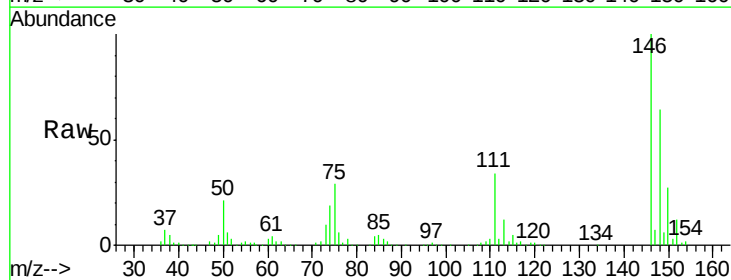
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBSD01

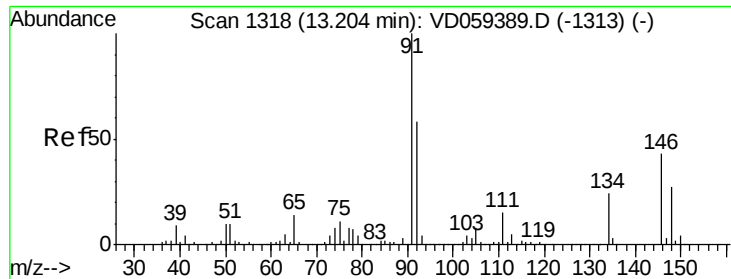
Tot Ion:146 Resp: 327010
 Ion Ratio Lower Upper
 146 100
 111 39.0 17.6 52.8
 148 64.2 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 21.92 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD059418.D
 Acq: 26 Jun 2018 11:55

Tgt Ion:146 Resp: 321021
 Ion Ratio Lower Upper
 146 100
 111 33.6 20.1 60.2
 148 64.4 31.4 94.0

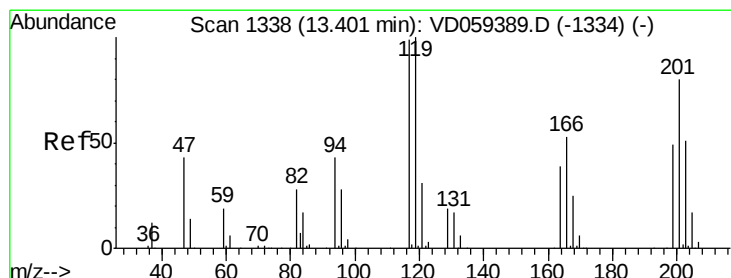
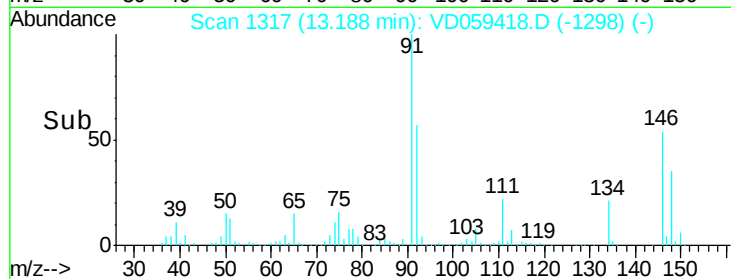
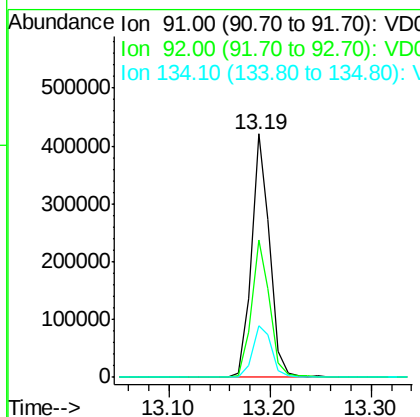
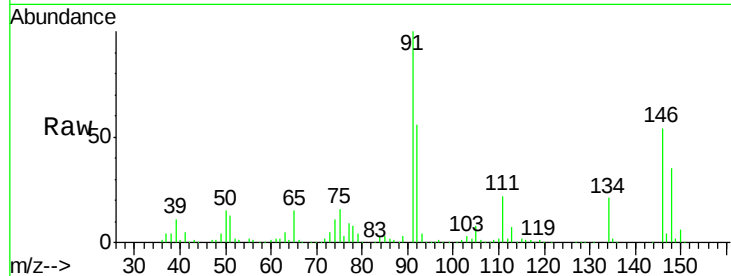




#89
n-Butylbenzene
Concen: 22.38 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

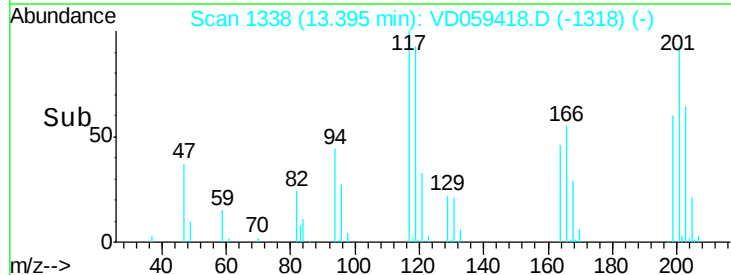
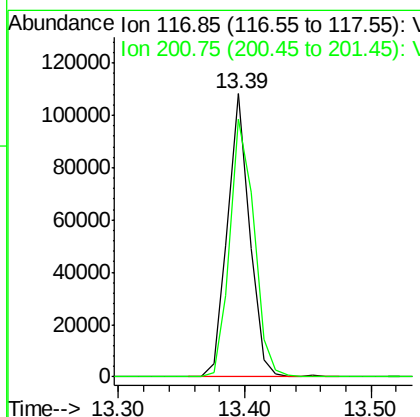
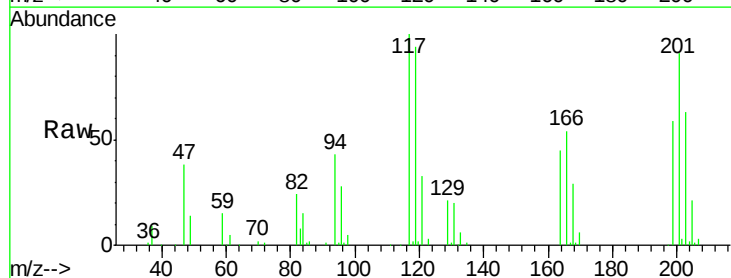
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBS01

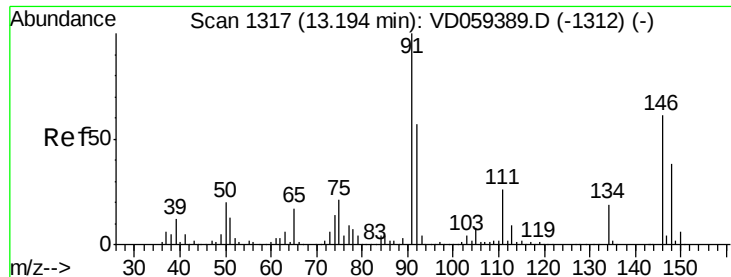
Tot Ion: 91 Resp: 530452
Ion Ratio Lower Upper
91 100
92 56.4 28.8 86.5
134 21.1 11.9 35.7



#90
Hexachloroethane
Concen: 21.80 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

Tgt Ion: 117 Resp: 130583
Ion Ratio Lower Upper
117 100
201 91.1 40.1 120.3

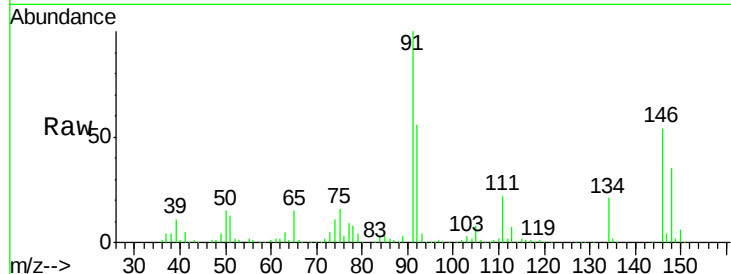




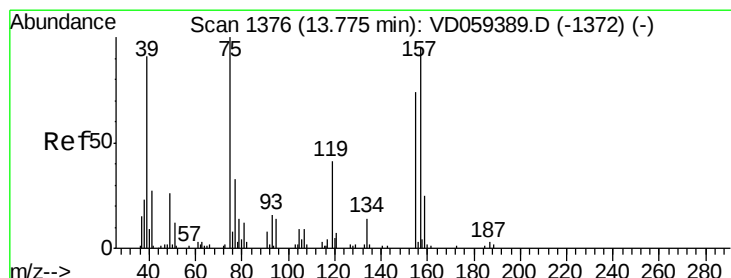
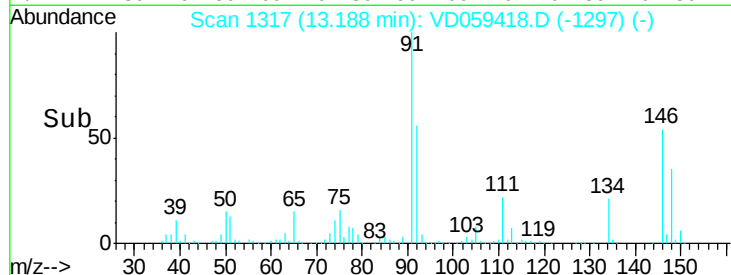
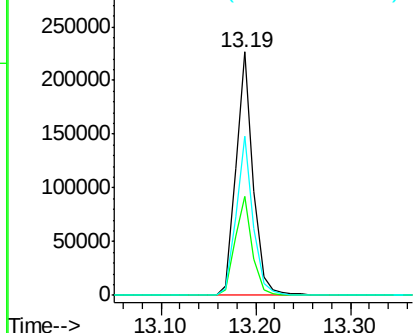
#91
 1,2-Dichlorobenzene
 Concen: 22.59 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD059418.D
 Acq: 26 Jun 2018 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBSD01

Tot Ion:146 Resp: 284333
 Ion Ratio Lower Upper
 146 100
 111 40.4 21.4 64.2
 148 65.2 31.6 95.0

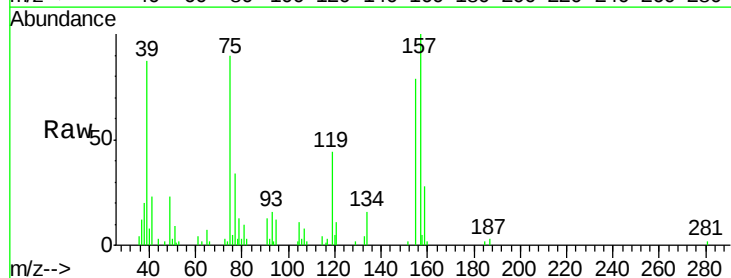


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

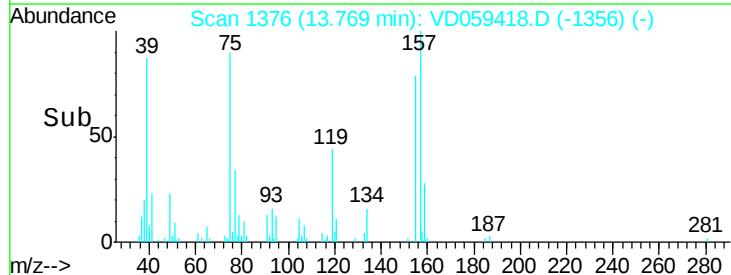
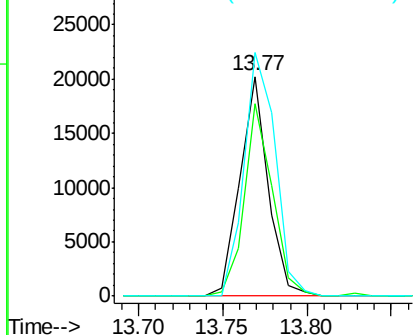


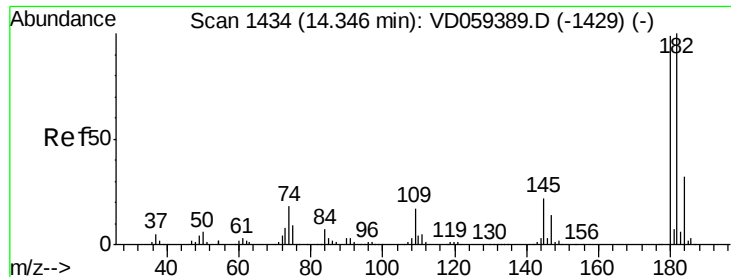
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.25 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD059418.D
 Acq: 26 Jun 2018 11:55

Tgt Ion: 75 Resp: 23562
 Ion Ratio Lower Upper
 75 100
 155 87.4 37.2 111.6
 157 110.8 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

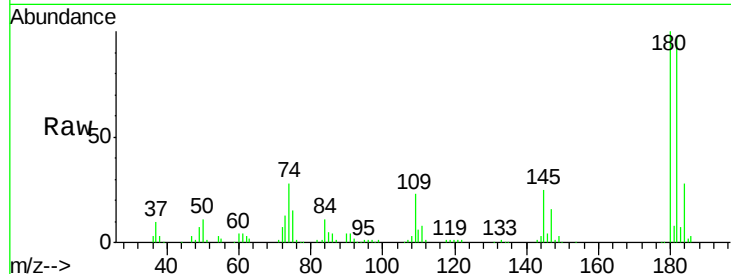




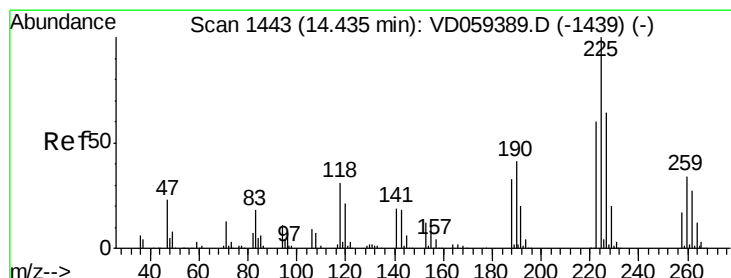
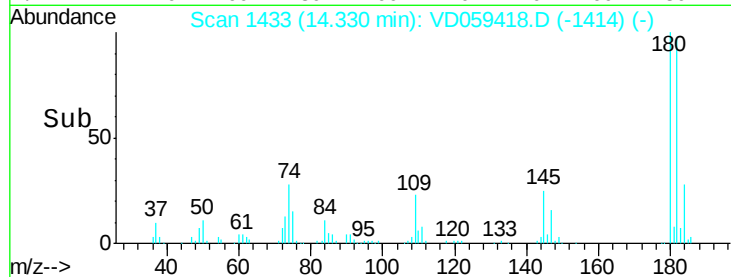
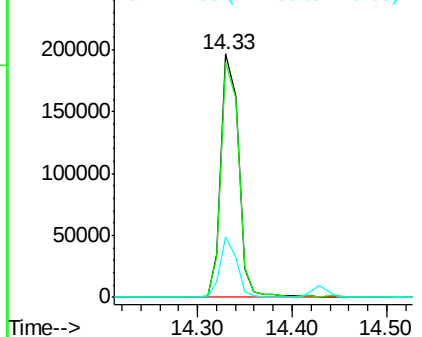
#93
 1,2,4-Trichlorobenzene
 Concen: 22.02 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: VD059418.D
 Acq: 26 Jun 2018 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBSD01

Tot Ion:180 Resp: 256204
 Ion Ratio Lower Upper
 180 100
 182 96.6 50.4 151.2
 145 25.1 11.0 33.0

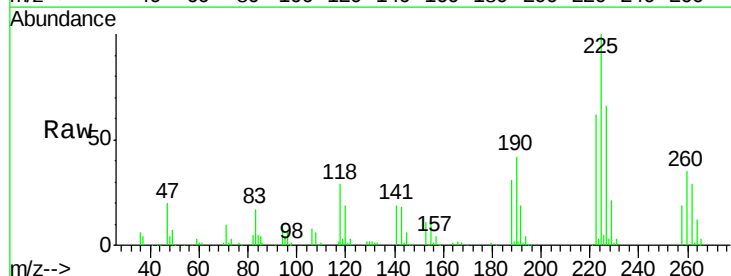


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

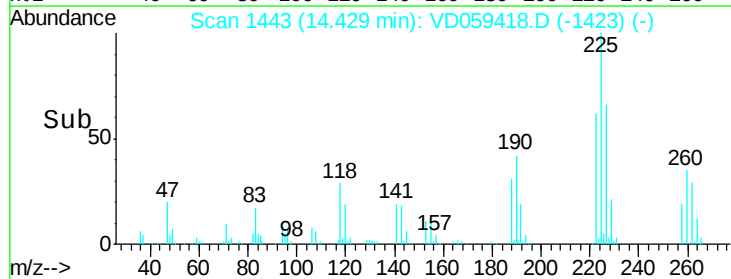
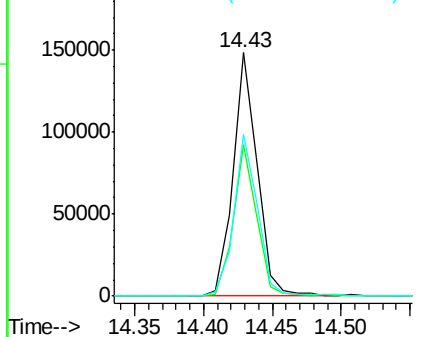


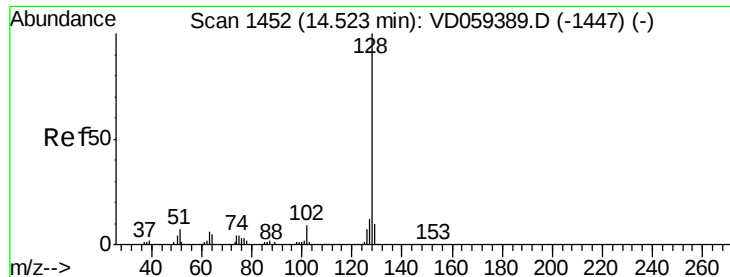
#94
 Hexachlorobutadiene
 Concen: 20.66 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD059418.D
 Acq: 26 Jun 2018 11:55

Tgt Ion:225 Resp: 180895
 Ion Ratio Lower Upper
 225 100
 223 62.3 30.0 90.1
 227 66.2 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

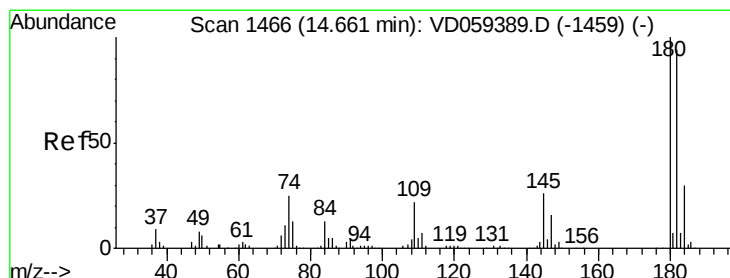
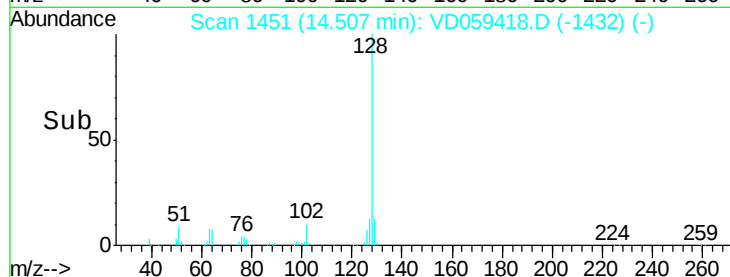
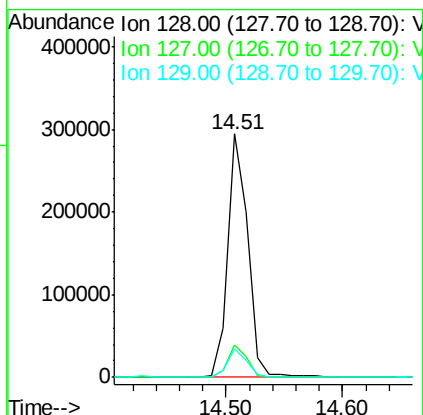
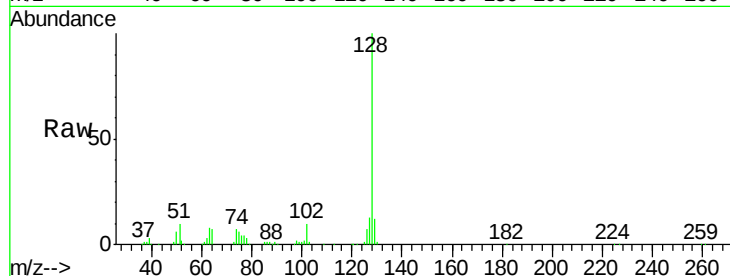




#95
Naphthalene
Concen: 21.62 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.02 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

Tot Ion:128 Resp: 350602
Ion Ratio Lower Upper
128 100
127 13.4 9.6 14.4
129 11.6 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 20.79 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. -0.01 min
Lab File: VD059418.D
Acq: 26 Jun 2018 11:55

Tgt Ion:180 Resp: 217431
Ion Ratio Lower Upper
180 100
182 97.4 47.1 141.4
145 26.3 13.1 39.3

