

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031419\
 Data File : VD061061.D
 Acq On : 14 Mar 2019 13:35
 Operator : VA/AP
 Sample : VD0314SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBS01

Quant Time: Mar 15 02:11:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	714753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1158400	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	986502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	417831	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	272117	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	
35) Dibromofluoromethane	6.92	113	450242	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
50) Toluene-d8	10.41	98	1132865	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
62) 4-Bromofluorobenzene	13.55	95	430638	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	140487	19.843	ug/l	99
3) Chloromethane	1.76	50	119829	20.317	ug/l	97
4) Vinyl Chloride	1.85	62	109112	20.021	ug/l	97
5) Bromomethane	2.15	94	19387	17.377	ug/l	90
6) Chloroethane	2.27	64	32292	19.796	ug/l #	85
7) Trichlorofluoromethane	2.53	101	145400	18.572	ug/l	98
8) Diethyl Ether	2.88	74	51887	20.090	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.15	101	173235	19.792	ug/l	96
10) Methyl Iodide	3.31	142	211130	19.421	ug/l	99
11) Tert butyl alcohol	4.06	59	35115	92.711	ug/l	97
12) 1,1-Dichloroethene	3.13	96	142987	19.929	ug/l	94
13) Acrolein	3.04	56	44138	80.540	ug/l	99
14) Allyl chloride	3.63	41	228507	19.906	ug/l	99
15) Acrylonitrile	4.20	53	139823	104.451	ug/l	100
16) Acetone	3.22	43	160130	94.122	ug/l	96
17) Carbon Disulfide	3.38	76	452135	18.681	ug/l	100
18) Methyl Acetate	3.64	43	60653	18.115	ug/l #	91
19) Methyl tert-butyl Ether	4.24	73	265664	21.129	ug/l	97
20) Methylene Chloride	3.81	84	178146	20.184	ug/l	95
21) trans-1,2-Dichloroethene	4.22	96	165393	21.298	ug/l	96
22) Diisopropyl ether	5.12	45	471499	19.786	ug/l	98
23) Vinyl Acetate	5.05	43	1276161	104.320	ug/l	98
24) 1,1-Dichloroethane	4.98	63	271118	20.765	ug/l	99
25) 2-Butanone	6.07	43	200957	104.095	ug/l	100
26) 2,2-Dichloropropane	6.03	77	202445	19.862	ug/l	96
27) cis-1,2-Dichloroethene	6.04	96	171758	20.846	ug/l	98
28) Bromochloromethane	6.44	49	100269	18.140	ug/l	93
29) Tetrahydrofuran	6.46	42	99547	94.963	ug/l	99
30) Chloroform	6.67	83	273327	20.198	ug/l	100
31) Cyclohexane	6.95	56	221995	21.086	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	232584	19.880	ug/l	95
36) 1,1-Dichloropropene	7.15	75	197707	19.800	ug/l	97
37) Ethyl Acetate	6.19	43	93792	20.017	ug/l	100
38) Carbon Tetrachloride	7.12	117	211306	19.211	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	219175	21.168	ug/l	98
40) Benzene	7.46	78	503098	20.164	ug/l	99
41) Methacrylonitrile	6.44	41	109543	20.325	ug/l	93
42) 1,2-Dichloroethane	7.57	62	153300	21.172	ug/l	99
43) Isopropyl Acetate	9.24	43	133222	20.528	ug/l #	96
44) Trichloroethene	8.54	130	192437	22.356	ug/l	98
45) 1,2-Dichloropropane	8.94	63	139103	21.221	ug/l	100
46) Dibromomethane	9.06	93	86231	20.738	ug/l	99
47) Bromodichloromethane	9.38	83	194008	20.676	ug/l	97
48) Methyl methacrylate	9.12	41	80573	22.050	ug/l	97
49) 1,4-Dioxane	9.08	88	14892	403.042	ug/l	93
51) 4-Methyl-2-Pentanone	10.30	43	420022	105.642	ug/l	96
52) Toluene	10.51	92	318126	20.504	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	178267	20.778	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	198088	19.215	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	104243	20.175	ug/l	99
56) Ethyl methacrylate	11.04	69	106845	19.756	ug/l	96
57) 1,3-Dichloropropane	11.40	76	161525	20.919	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	287668	100.488	ug/l	98
59) 2-Hexanone	11.53	43	287059	98.702	ug/l	97
60) Dibromochloromethane	11.68	129	152537	20.060	ug/l	99
61) 1,2-Dibromoethane	11.81	107	122769	20.425	ug/l	98
64) Tetrachloroethene	11.26	164	138674	20.824	ug/l	98
65) Chlorobenzene	12.40	112	405606	20.973	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	156303	22.673	ug/l	99
67) Ethyl Benzene	12.53	91	643627	22.354	ug/l	100
68) m/p-Xylenes	12.66	106	465423	41.186	ug/l	96
69) o-Xylene	13.05	106	234824	21.140	ug/l	98
70) Styrene	13.07	104	386384	21.302	ug/l	100
71) Bromoform	13.23	173	91830	20.649	ug/l	97
73) Isopropylbenzene	13.40	105	627192	20.829	ug/l	100
74) N-amyl acetate	13.26	43	155144	18.298	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	114259	19.448	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	111913	18.617	ug/l	99
77) Bromobenzene	13.67	156	162961	21.200	ug/l	92
78) n-propylbenzene	13.78	91	743938	21.103	ug/l	96
79) 2-Chlorotoluene	13.83	91	441572	22.752	ug/l	96
80) 1,3,5-Trimethylbenzene	14.24	105	479249	20.964	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	34874	19.678	ug/l	96
82) 4-Chlorotoluene	13.94	91	462135	20.142	ug/l	97
83) tert-Butylbenzene	14.19	119	587029	23.465	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	479249	20.964	ug/l	98
85) sec-Butylbenzene	14.37	105	670139	21.942	ug/l	98
86) p-Isopropyltoluene	14.49	119	549468	22.010	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	298248	21.729	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	282750	20.963	ug/l	96
89) n-Butylbenzene	14.80	91	489965	20.437	ug/l	97
90) Hexachloroethane	15.01	117	146500	20.782	ug/l	83
91) 1,2-Dichlorobenzene	14.81	146	247150	21.599	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13698	19.348	ug/l	99

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Instrument :
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration

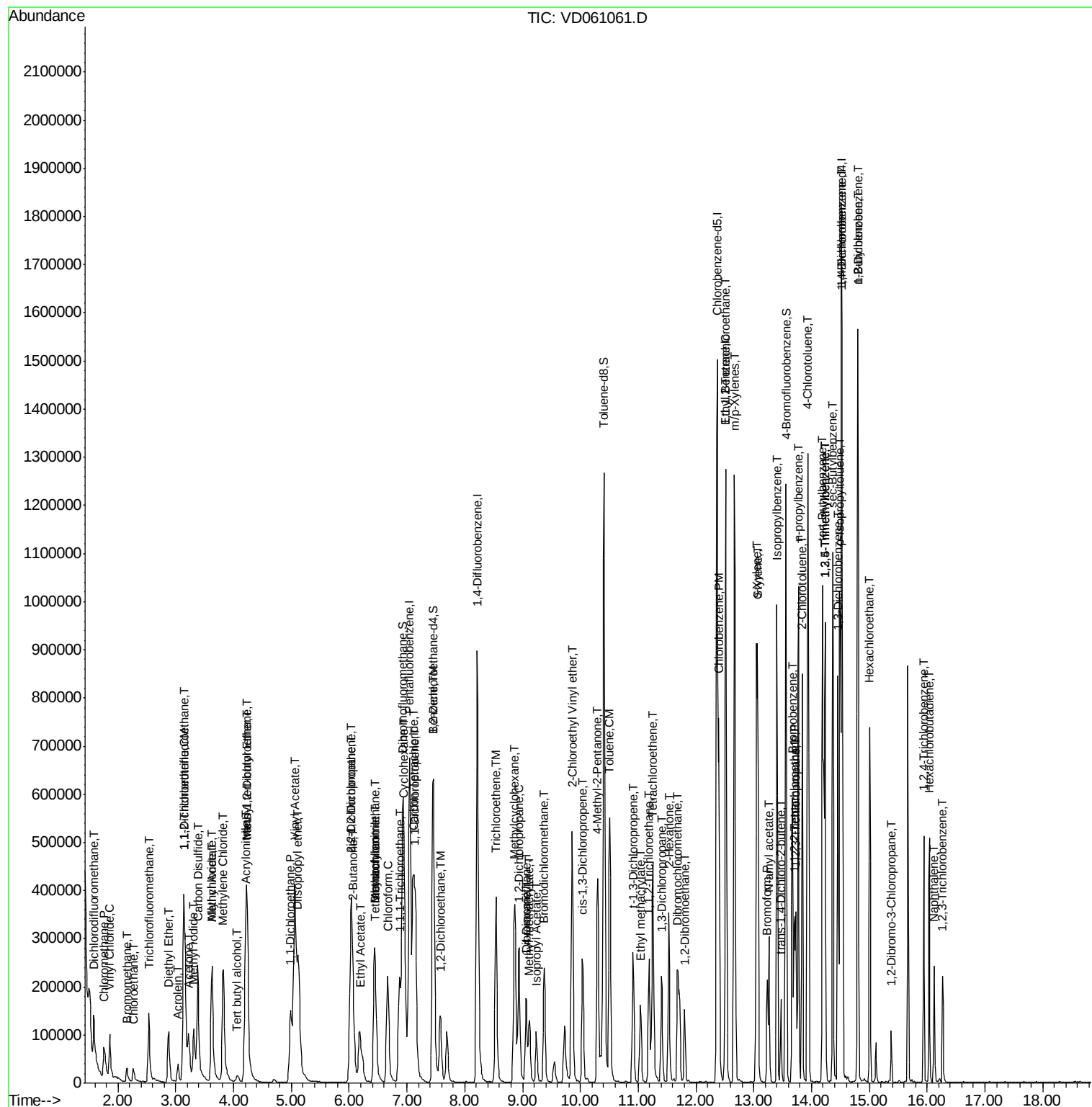
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	119752	22.560	ug/l	98
94) Hexachlorobutadiene	16.04	225	87708	21.845	ug/l	99
95) Naphthalene	16.12	128	167382	20.750	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	57947	22.102	ug/l	96

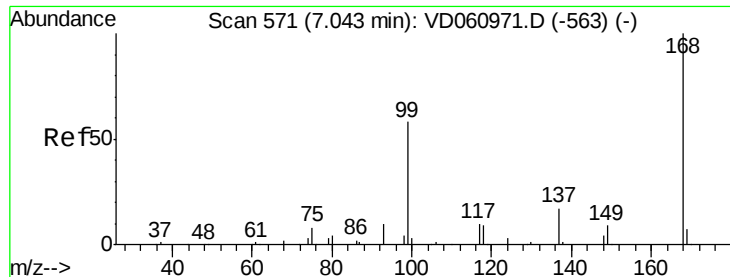
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031419\
 Data File : VD061061.D
 Acq On : 14 Mar 2019 13:35
 Operator : VA/AP
 Sample : VD0314SBSD01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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 ClientSampleID :
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Quant Time: Mar 15 02:11:02 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

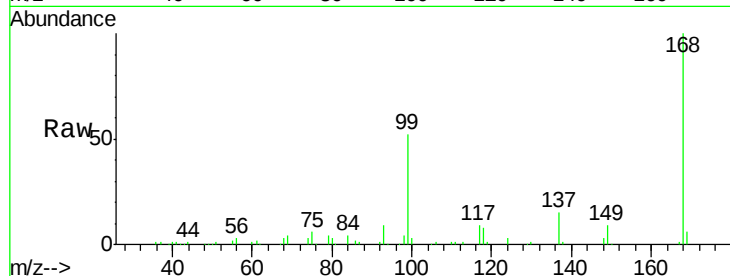
VD0314SBSD01

Tot Ion:168 Resp: 714753

Ion Ratio Lower Upper

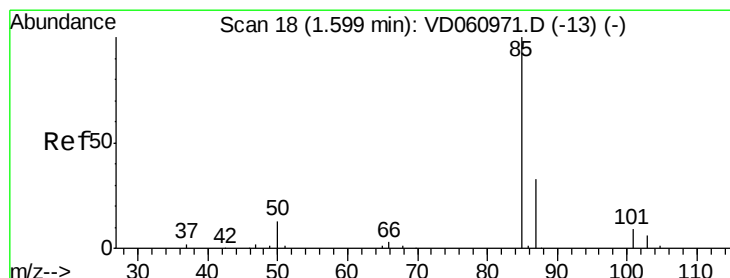
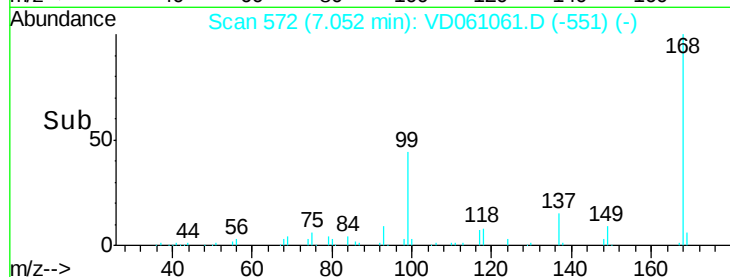
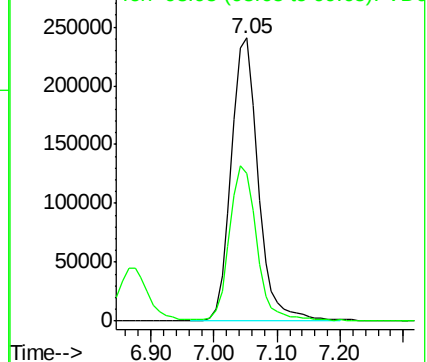
168 100

99 52.2 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.843 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.02 min

Lab File: VD061061.D

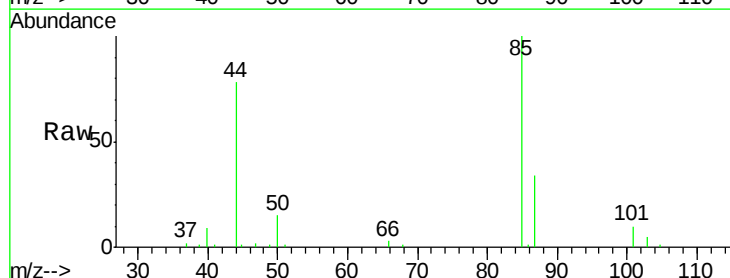
Acq: 14 Mar 2019 13:35

Tgt Ion: 85 Resp: 140487

Ion Ratio Lower Upper

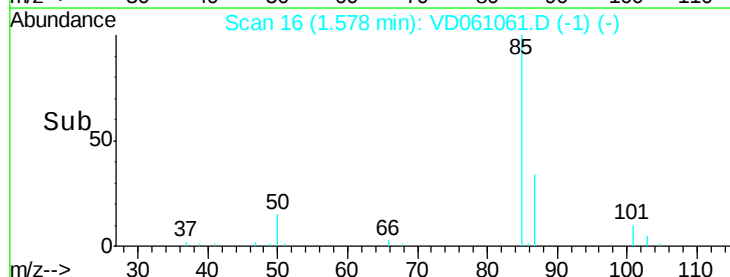
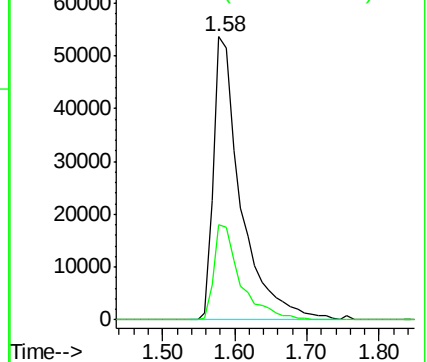
85 100

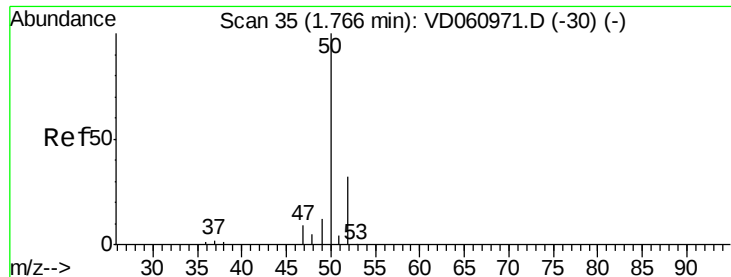
87 33.7 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.317 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

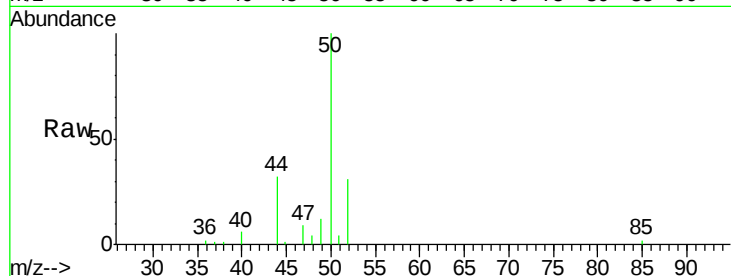
VD0314SBSD01

Tot Ion: 50 Resp: 119829

Ion Ratio Lower Upper

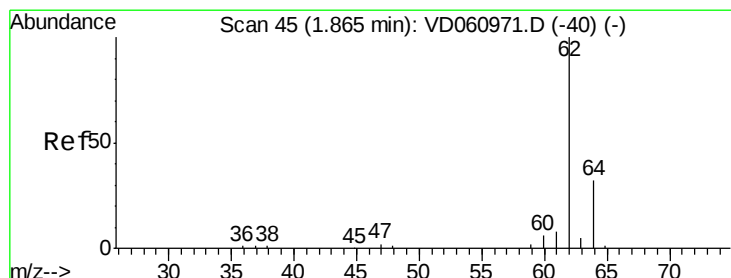
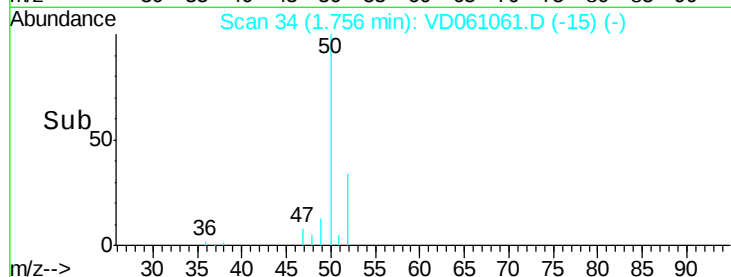
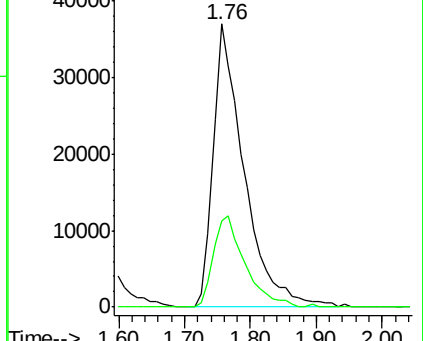
50 100

52 30.6 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.021 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061061.D

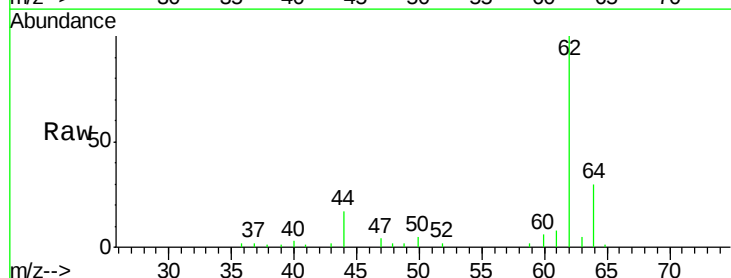
Acq: 14 Mar 2019 13:35

Tgt Ion: 62 Resp: 109112

Ion Ratio Lower Upper

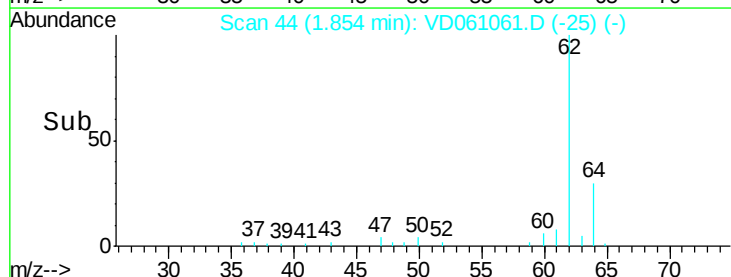
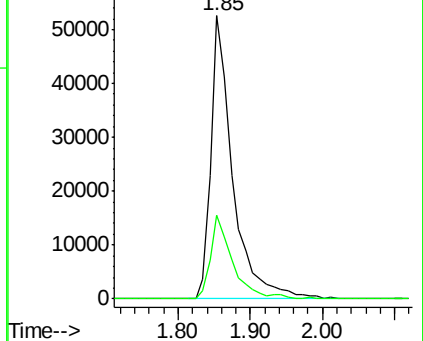
62 100

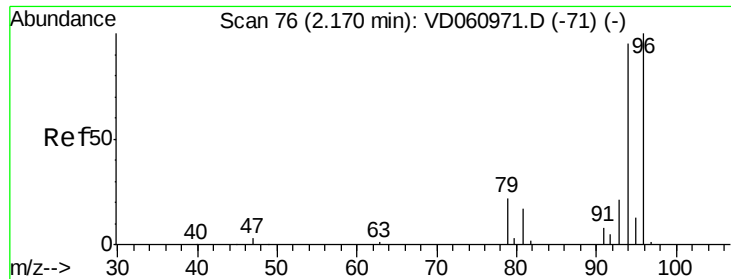
64 29.7 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.377 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.02 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

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ClientSampleId :

VD0314SBS01

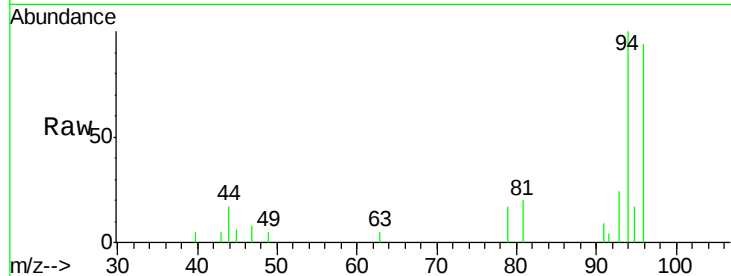
Tot Ion: 94 Resp: 19387

Ion Ratio Lower Upper

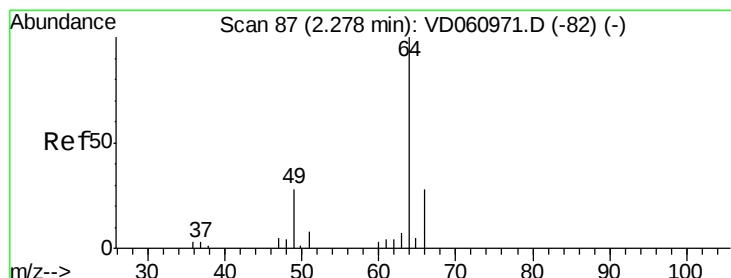
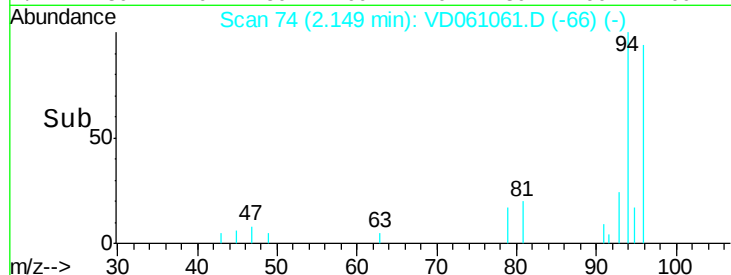
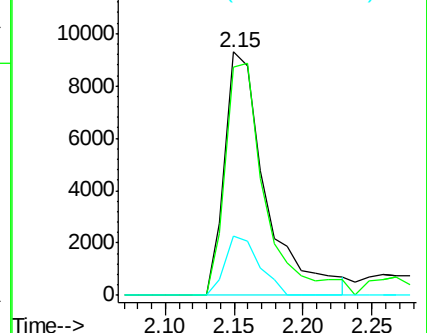
94 100

96 93.8 84.0 126.0

93 24.2 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 19.796 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.01 min

Lab File: VD061061.D

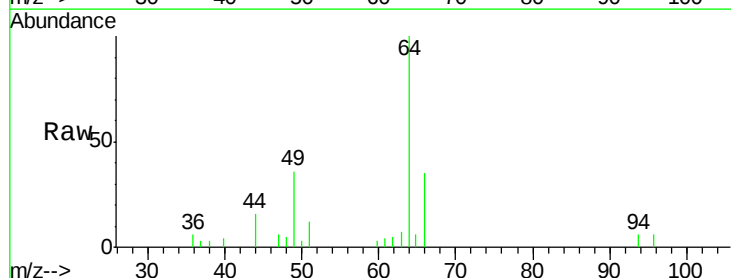
Acq: 14 Mar 2019 13:35

Tgt Ion: 64 Resp: 32292

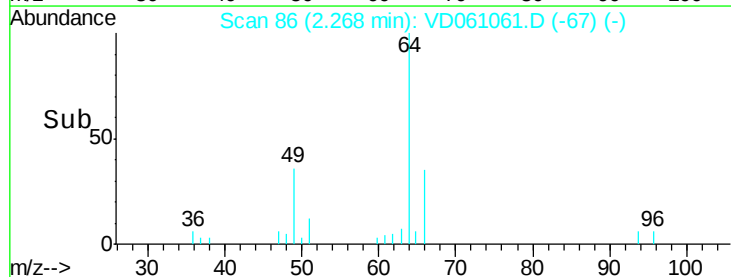
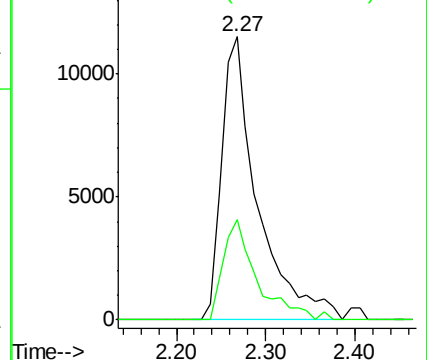
Ion Ratio Lower Upper

64 100

66 35.4 22.2 33.2#



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



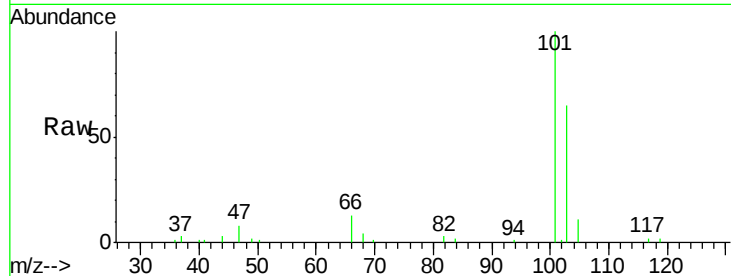


#7

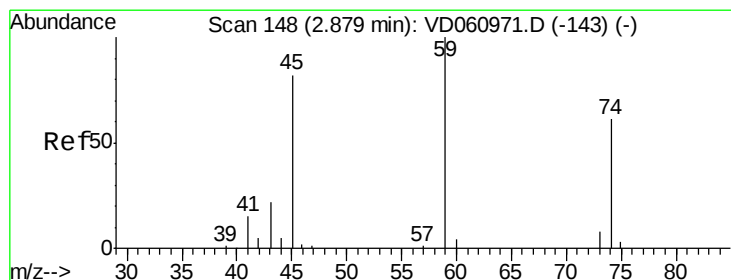
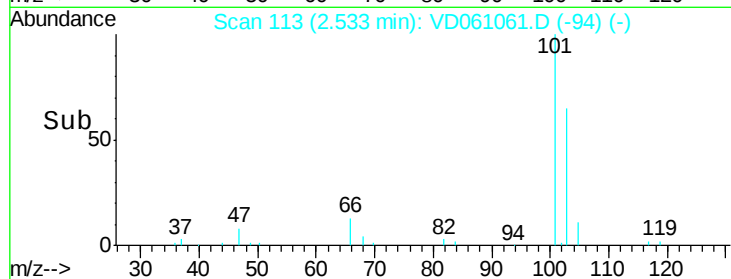
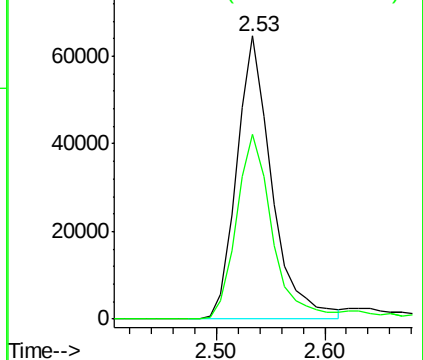
Trichlorofluoromethane
 Concen: 18.572 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBSD01

Tot Ion:101 Resp: 145400
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.2 76.8



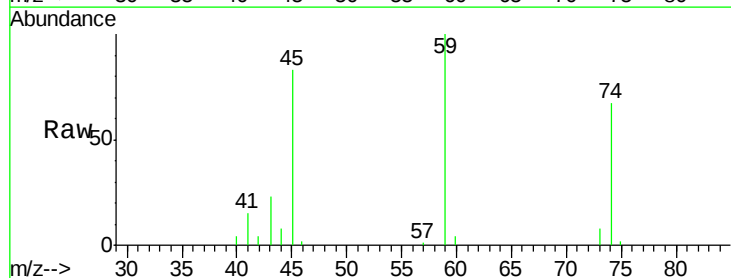
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



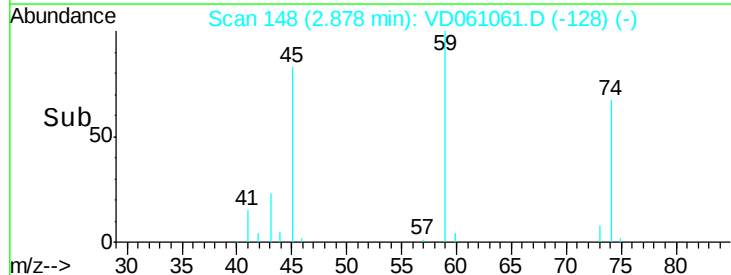
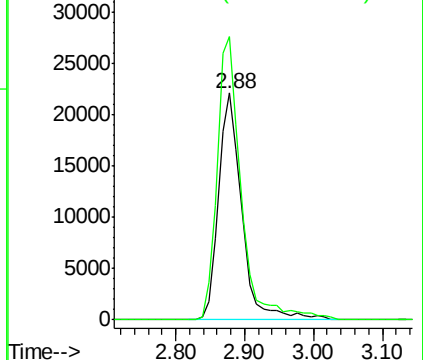
#8

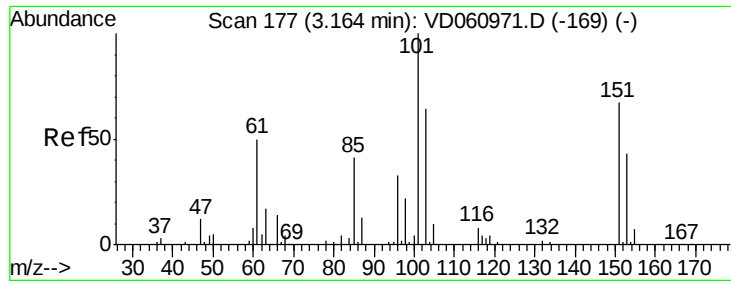
Diethyl Ether
 Concen: 20.090 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Tgt Ion: 74 Resp: 51887
 Ion Ratio Lower Upper
 74 100
 45 124.7 67.0 201.1



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: 19.792 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

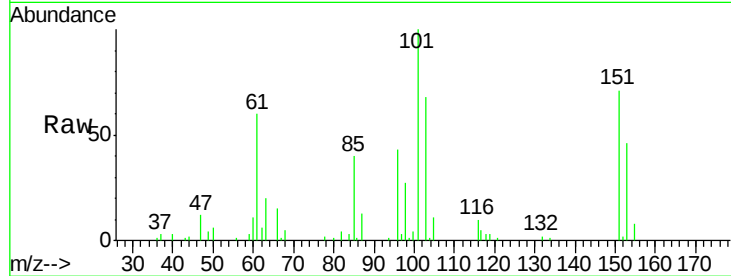
Tot Ion:101 Resp: 173235

Ion Ratio Lower Upper

101 100

85 39.9 32.5 48.7

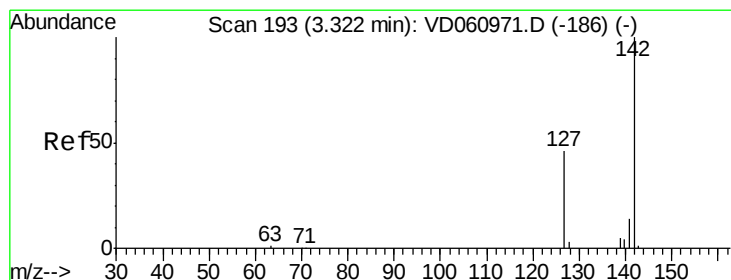
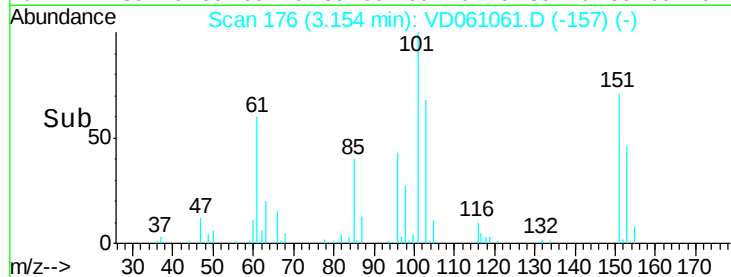
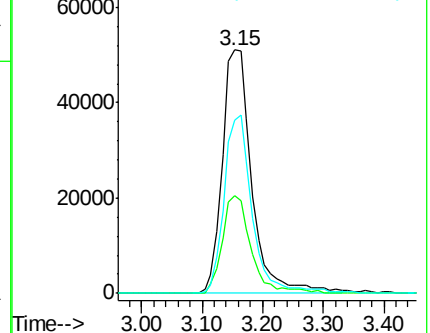
151 71.2 53.3 79.9



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: 19.421 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

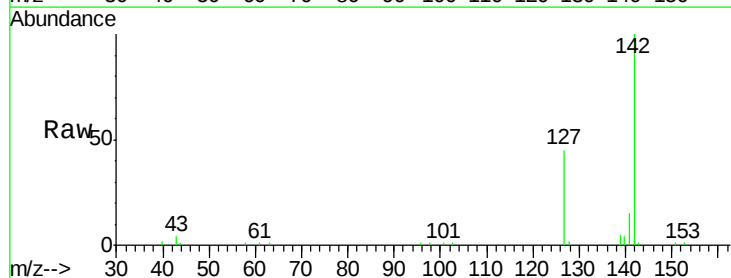
Tgt Ion:142 Resp: 211130

Ion Ratio Lower Upper

142 100

127 45.2 36.8 55.2

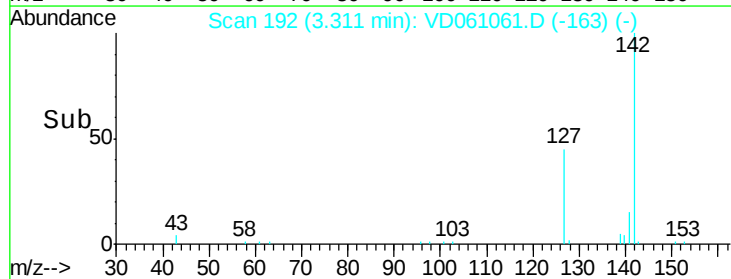
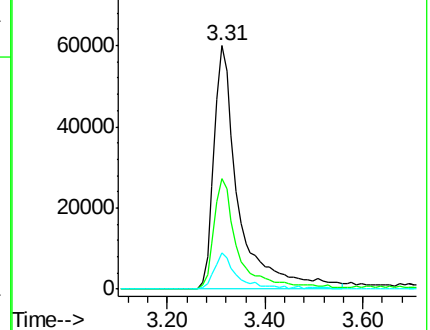
141 14.8 11.2 16.8

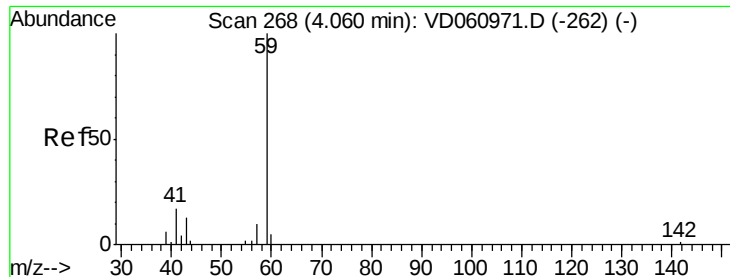


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



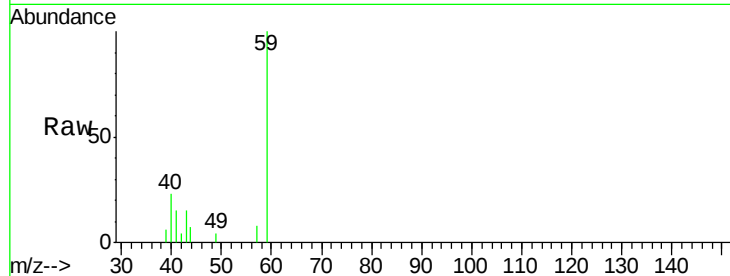


#11

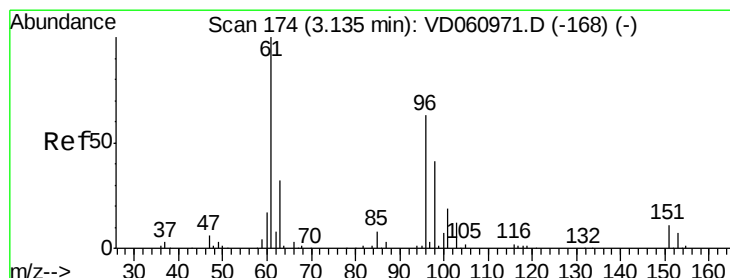
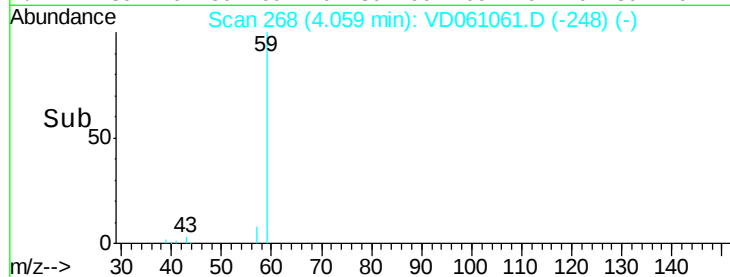
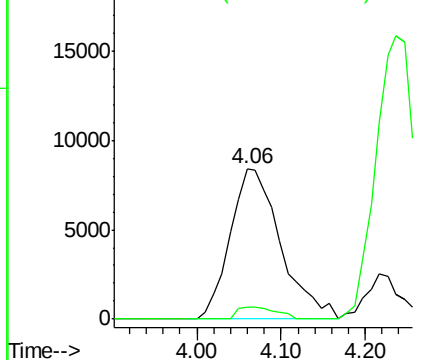
Tert butyl alcohol
Concen: 92.711 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0314SBS01

Tot Ion: 59 Resp: 35115
Ion Ratio Lower Upper
59 100
57 7.9 7.1 10.7



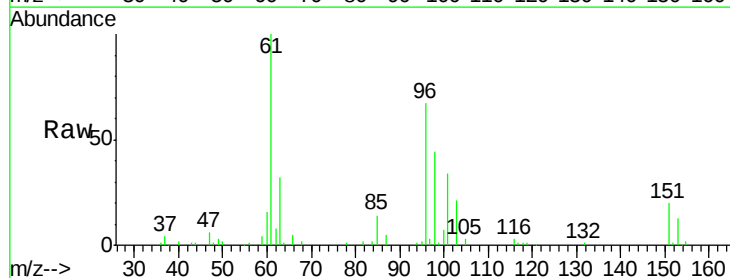
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



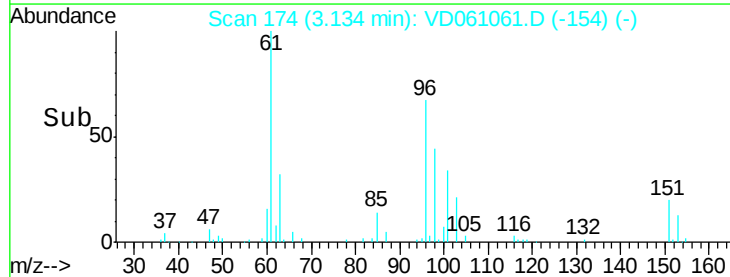
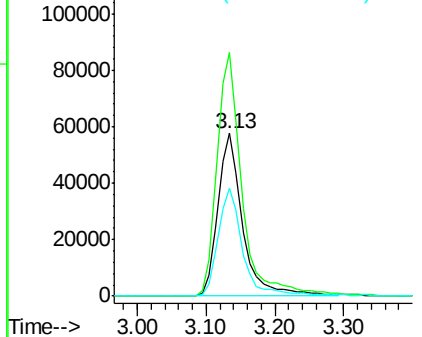
#12

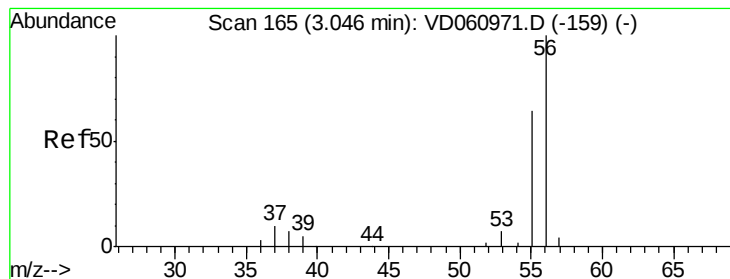
1,1-Dichloroethene
Concen: 19.929 ug/l
RT: 3.13 min Scan# 174
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion: 96 Resp: 142987
Ion Ratio Lower Upper
96 100
61 149.4 127.1 190.7
98 65.9 51.5 77.3



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





#13

Acrolein

Concen: 80.540 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

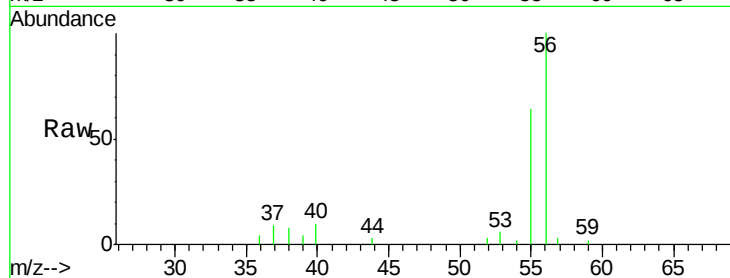
VD0314SBSD01

Tot Ion: 56 Resp: 44138

Ion Ratio Lower Upper

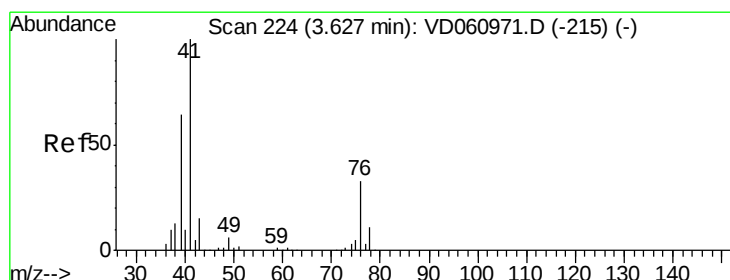
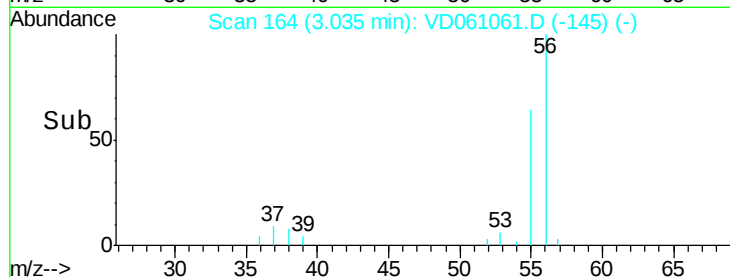
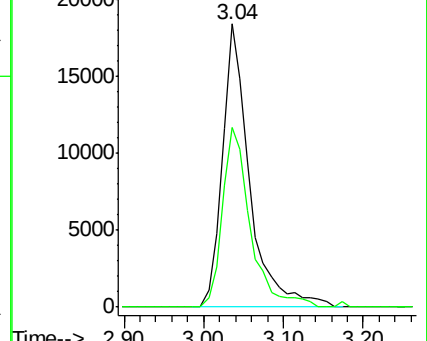
56 100

55 63.6 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.906 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

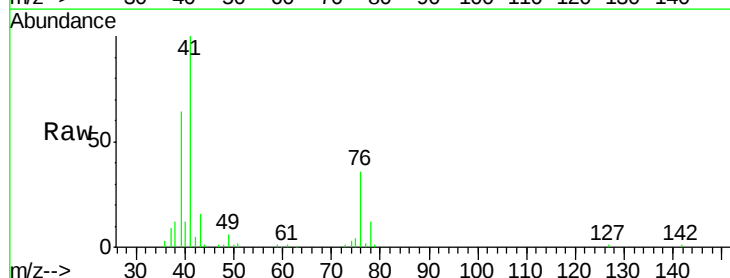
Tgt Ion: 41 Resp: 228507

Ion Ratio Lower Upper

41 100

39 63.6 51.1 76.7

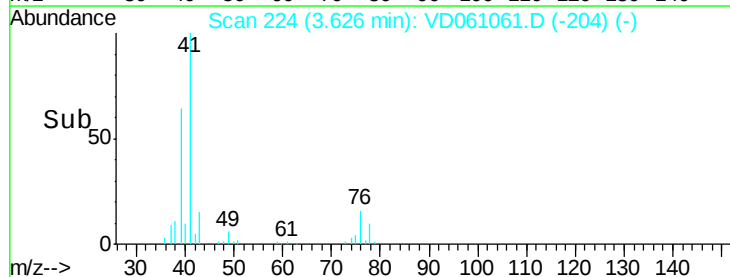
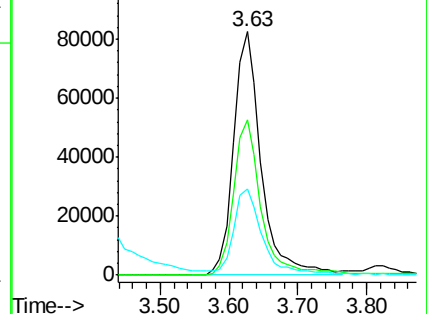
76 35.5 29.1 43.7

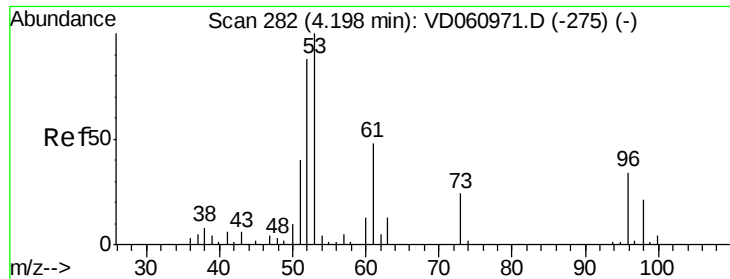


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 104.451 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

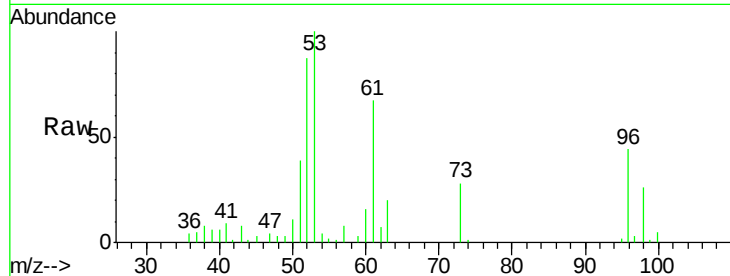
Tot Ion: 53 Resp: 139823

Ion Ratio Lower Upper

53 100

52 87.4 70.2 105.4

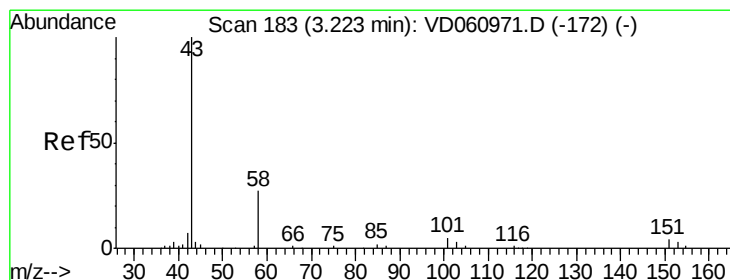
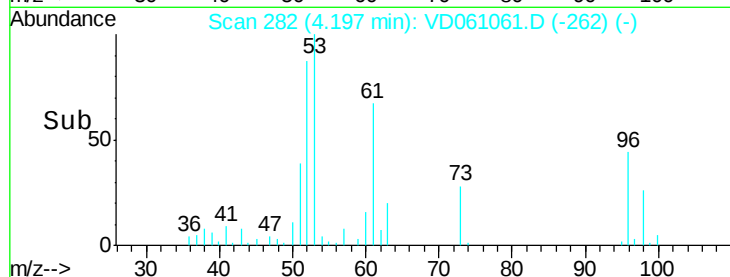
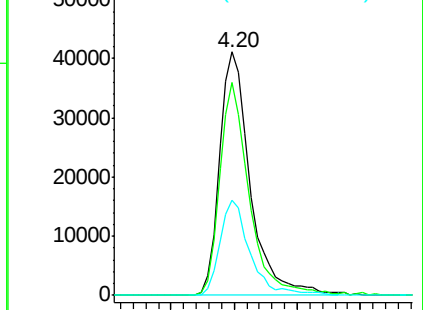
51 39.2 31.7 47.5



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: 94.122 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD061061.D

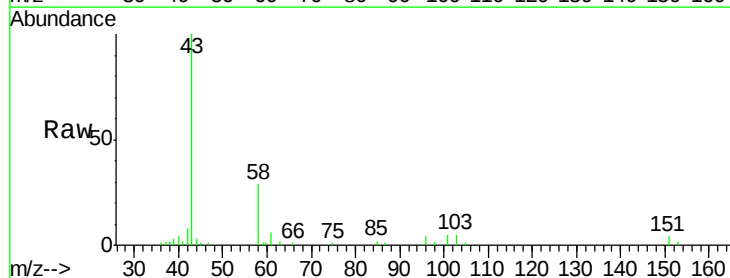
Acq: 14 Mar 2019 13:35

Tgt Ion: 43 Resp: 160130

Ion Ratio Lower Upper

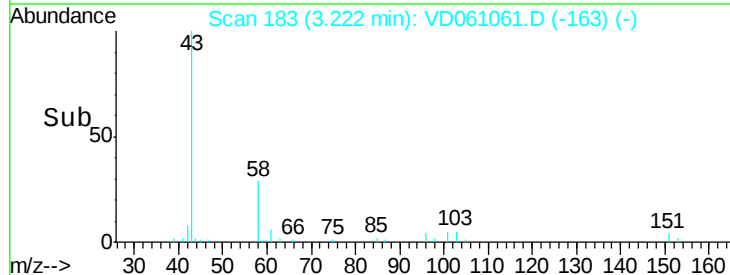
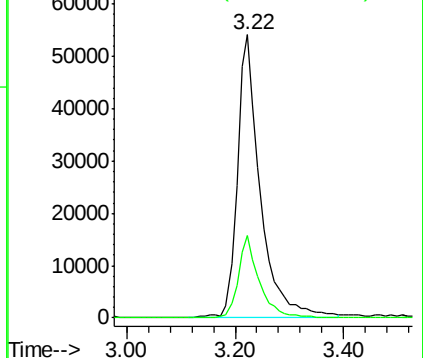
43 100

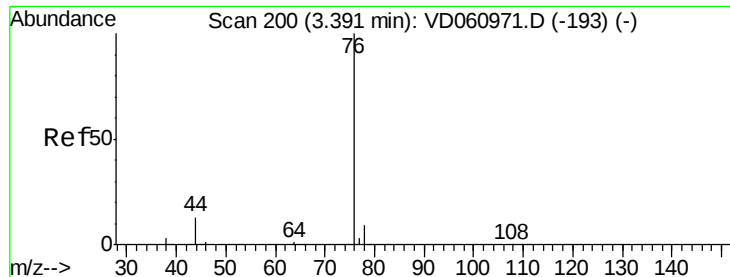
58 28.9 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

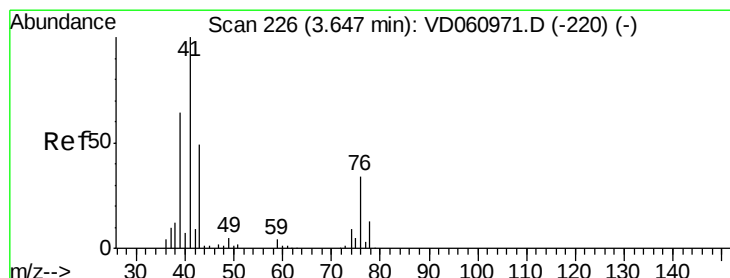
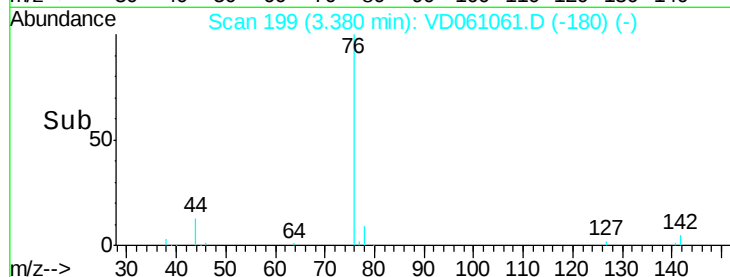
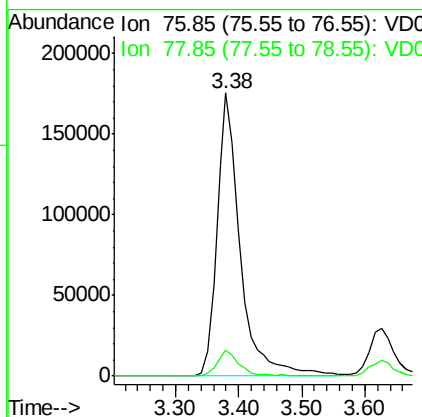
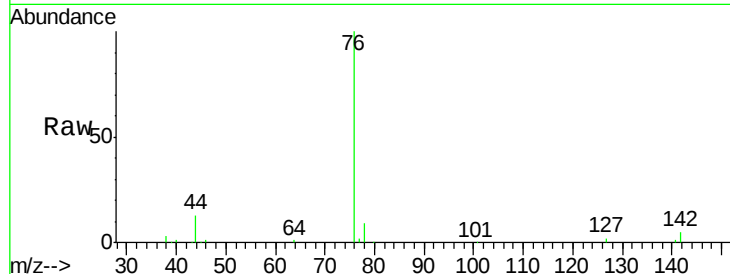




#17
Carbon Disulfide
Concen: 18.681 ug/l
RT: 3.38 min Scan# 199
Delta R.T. -0.01 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

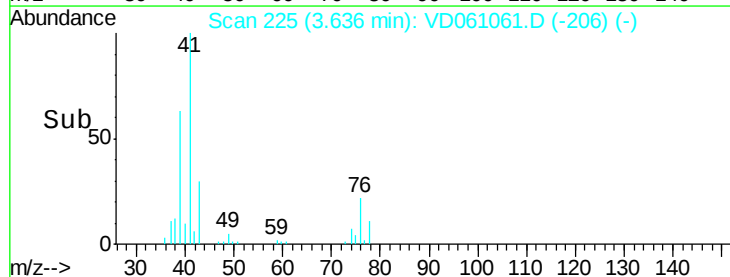
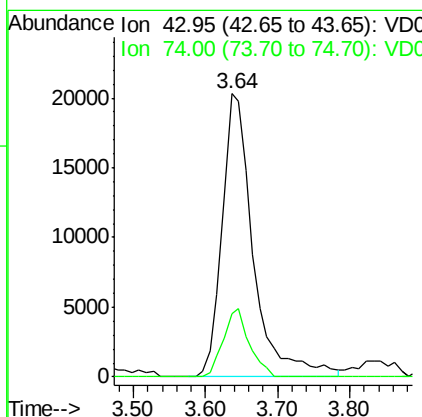
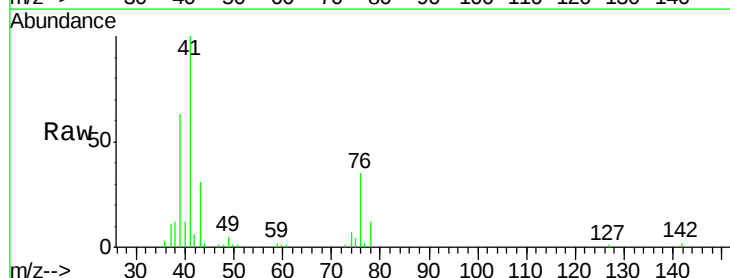
Instrument :
MSVOA_D
ClientSampleId :
VD0314SBSD01

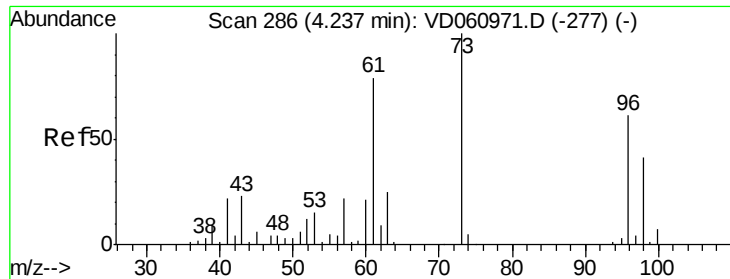
Tot Ion: 76 Resp: 452135
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 18.115 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion: 43 Resp: 60653
Ion Ratio Lower Upper
43 100
74 22.2 14.6 21.8#



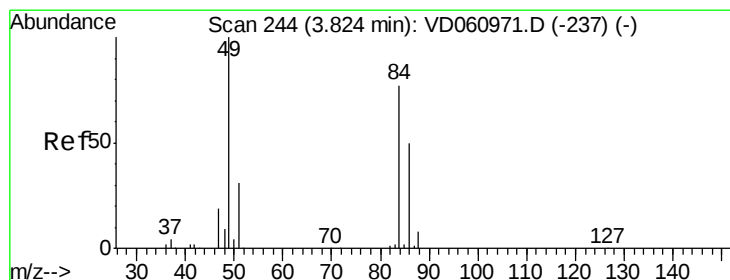
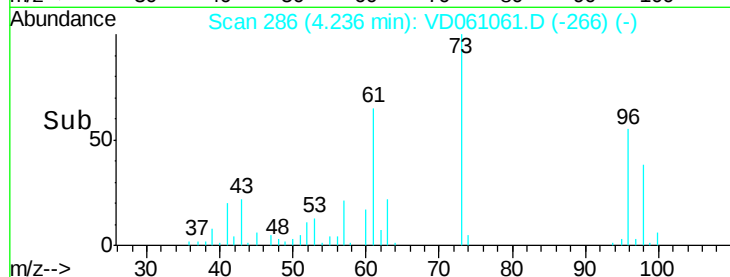
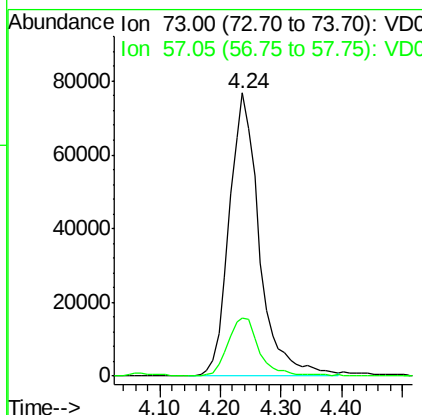
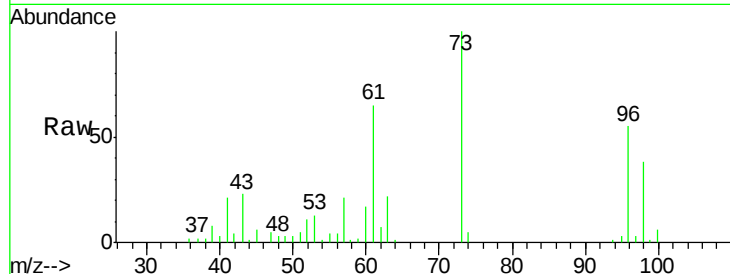


#19

Methyl tert-butyl Ether
 Concen: 21.129 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0314SBS01

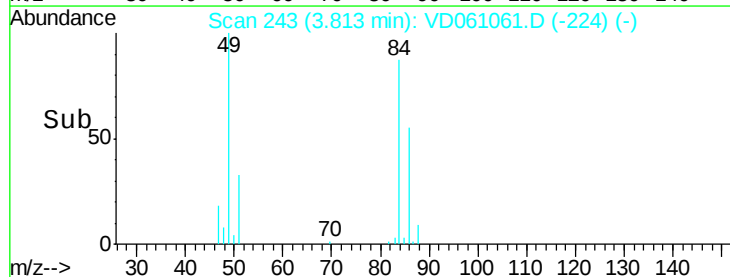
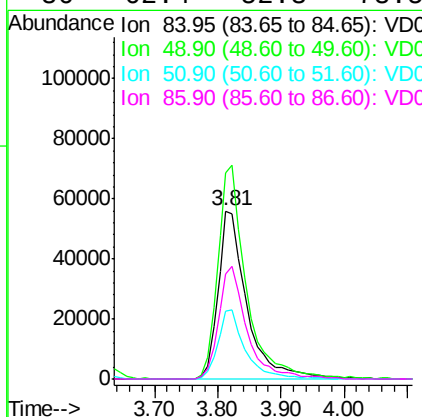
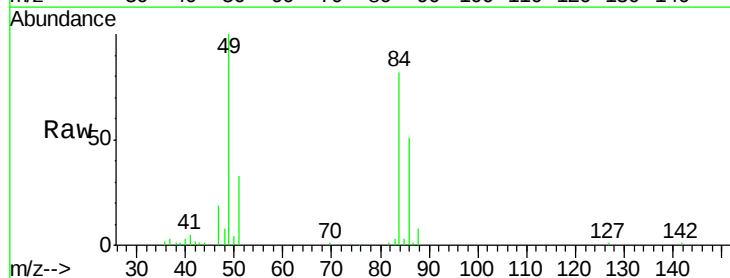
Tot Ion: 73 Resp: 265664
 Ion Ratio Lower Upper
 73 100
 57 20.6 17.7 26.5

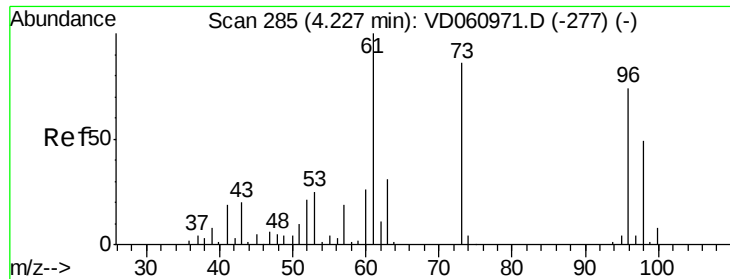


#20

Methylene Chloride
 Concen: 20.184 ug/l
 RT: 3.81 min Scan# 243
 Delta R.T. -0.01 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Tgt Ion: 84 Resp: 178146
 Ion Ratio Lower Upper
 84 100
 49 122.6 104.2 156.2
 51 40.3 32.3 48.5
 86 62.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.298 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

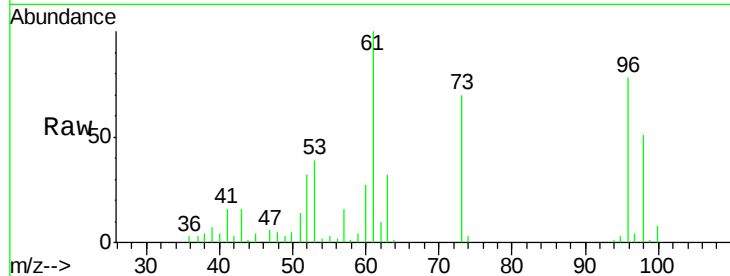
Tot Ion: 96 Resp: 165393

Ion Ratio Lower Upper

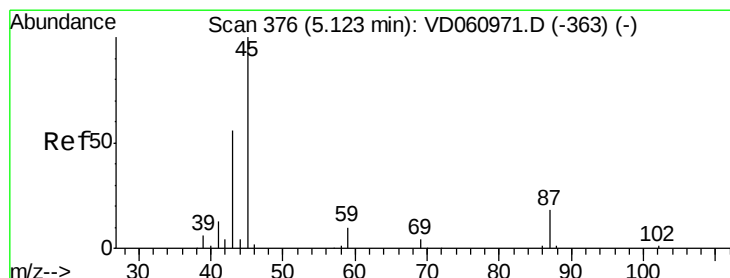
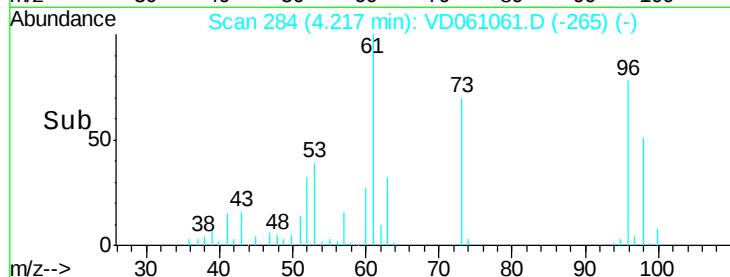
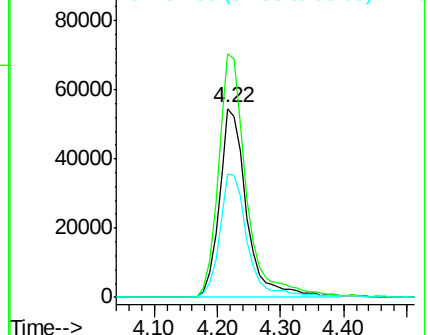
96 100

61 128.8 108.4 162.6

98 65.5 53.0 79.4



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: 19.786 ug/l

RT: 5.12 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Tgt Ion: 45 Resp: 471499

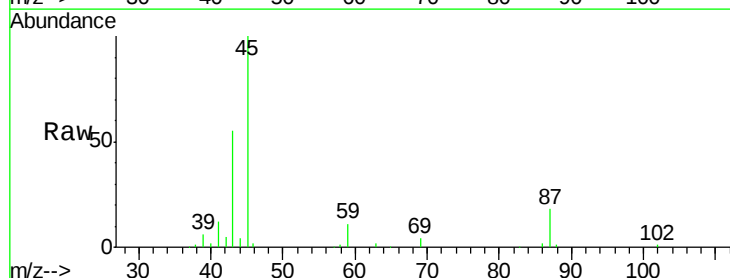
Ion Ratio Lower Upper

45 100

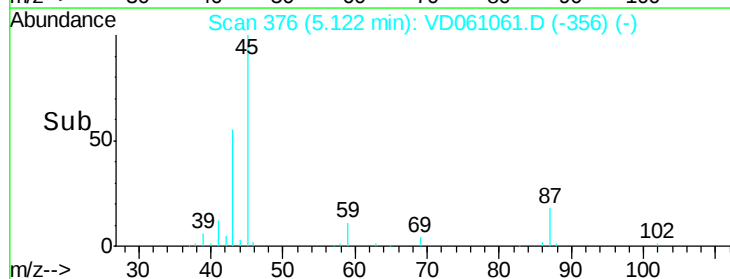
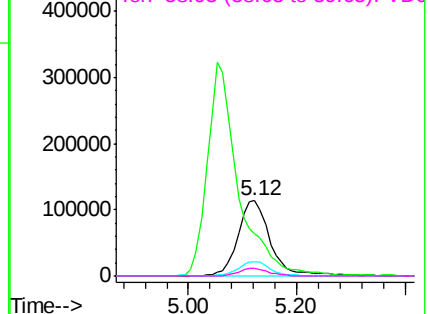
43 55.3 45.8 68.8

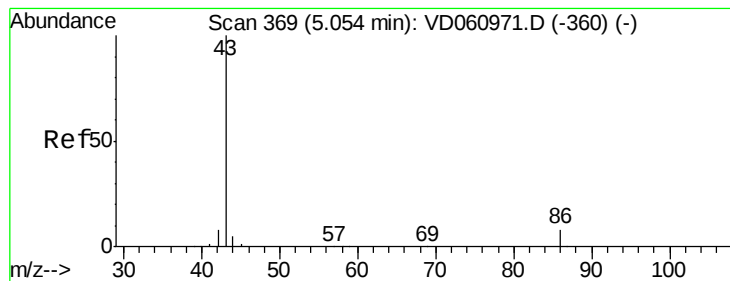
87 18.3 14.9 22.3

59 11.0 8.0 12.0



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: 104.320 ug/l

RT: 5.05 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

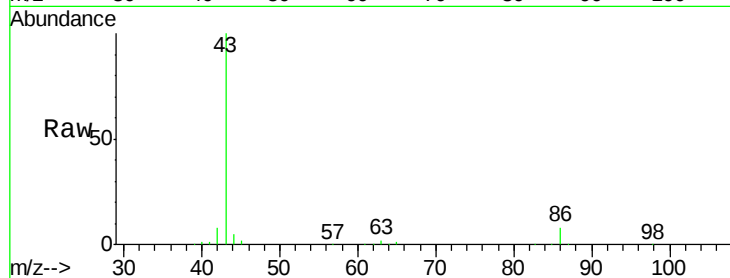
VD0314SBSD01

Tot Ion: 43 Resp: 1276161

Ion Ratio Lower Upper

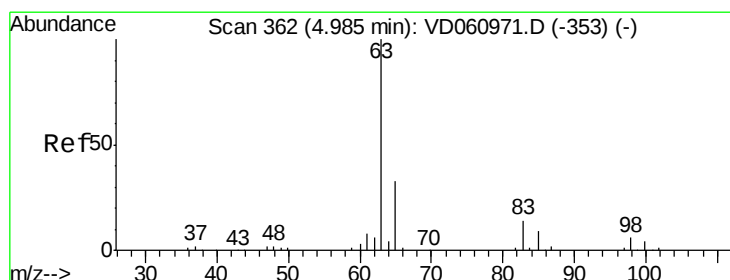
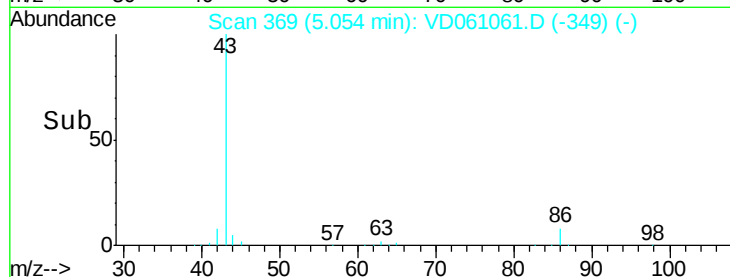
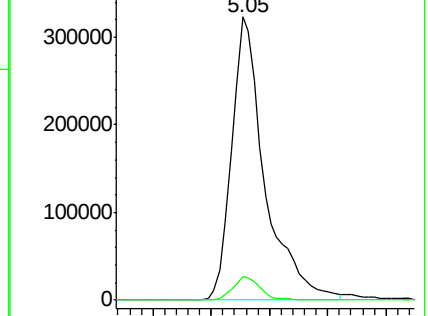
43 100

86 8.3 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.765 ug/l

RT: 4.98 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

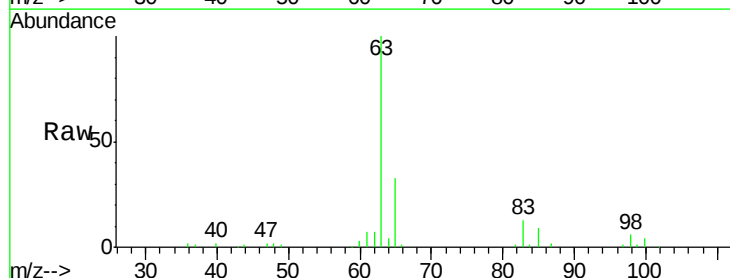
Tgt Ion: 63 Resp: 271118

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

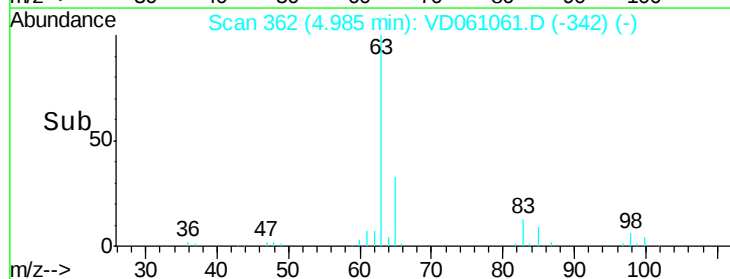
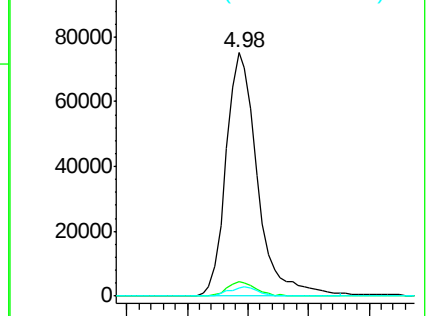
100 3.5 2.0 5.8



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: 104.095 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

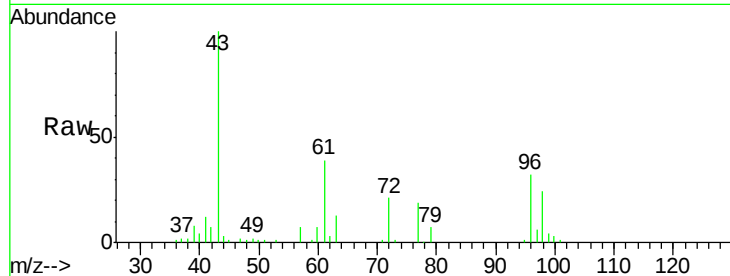
VD0314SBS01

Tot Ion: 43 Resp: 200957

Ion Ratio Lower Upper

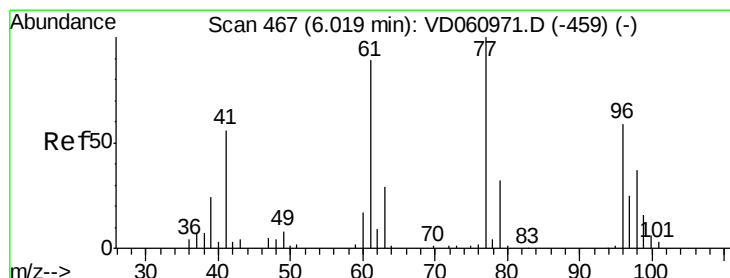
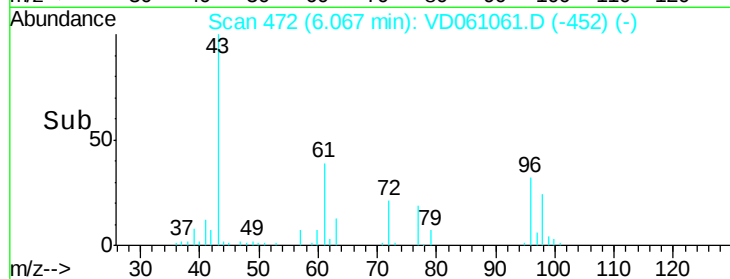
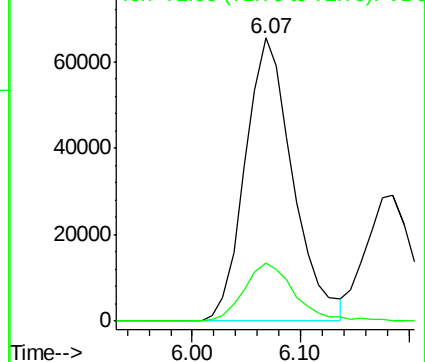
43 100

72 20.7 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.862 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD061061.D

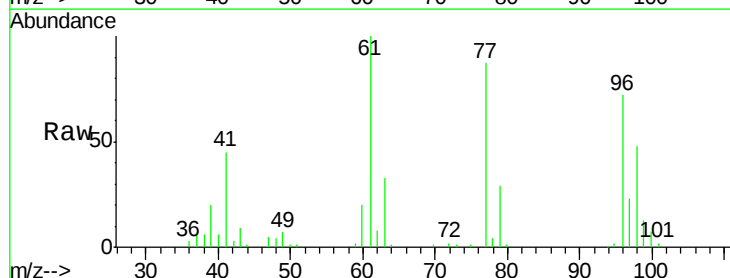
Acq: 14 Mar 2019 13:35

Tgt Ion: 77 Resp: 202445

Ion Ratio Lower Upper

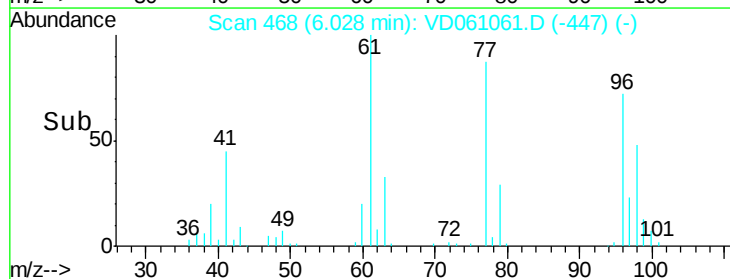
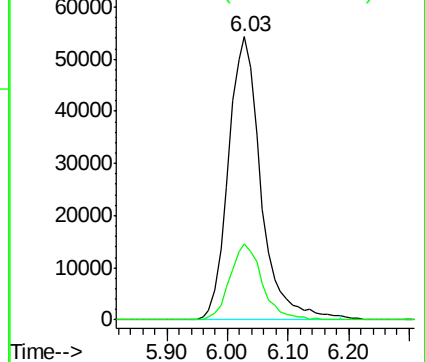
77 100

97 26.9 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



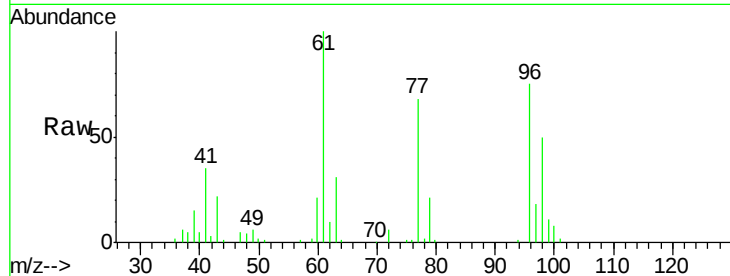


#27

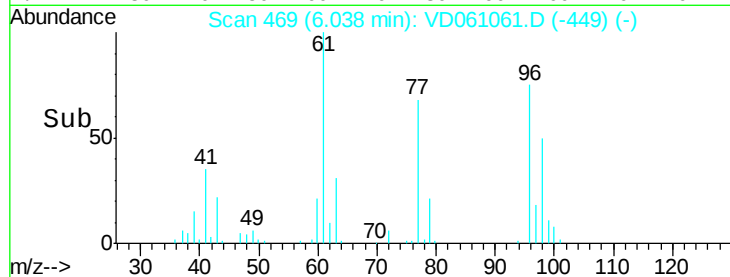
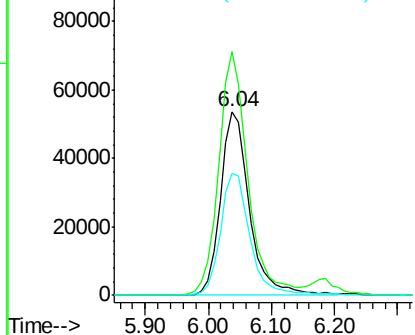
cis-1,2-Dichloroethene
 Concen: 20.846 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBSD01

Tot Ion: 96 Resp: 171758
 Ion Ratio Lower Upper
 96 100
 61 132.6 0.0 273.6
 98 66.3 0.0 132.6



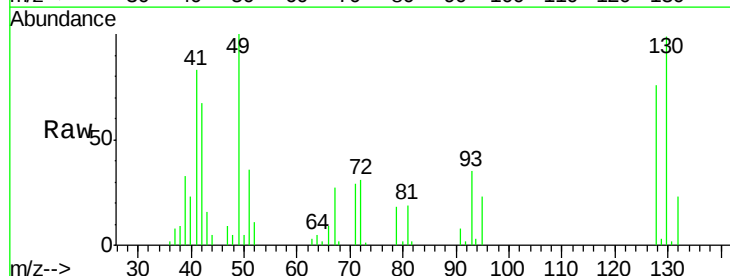
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



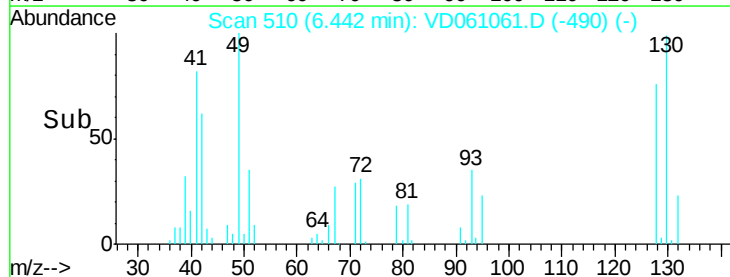
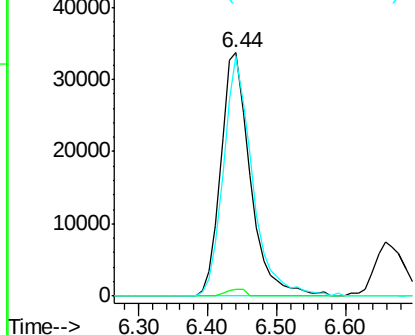
#28

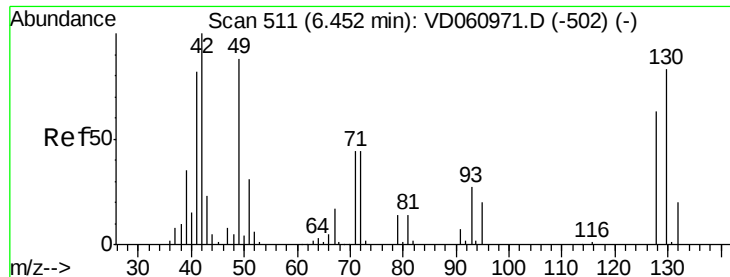
Bromochloromethane
 Concen: 18.140 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Tgt Ion: 49 Resp: 100269
 Ion Ratio Lower Upper
 49 100
 129 2.9 0.0 4.0
 130 98.7 73.8 110.8



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: 94.963 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

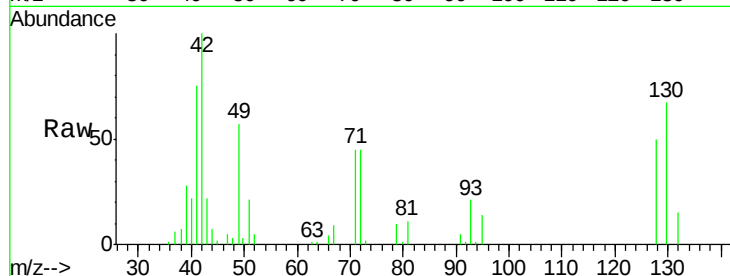
Tot Ion: 42 Resp: 99547

Ion Ratio Lower Upper

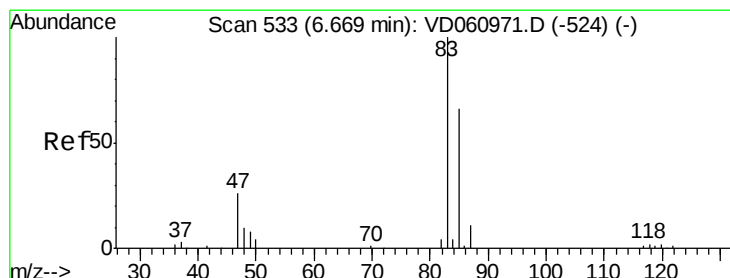
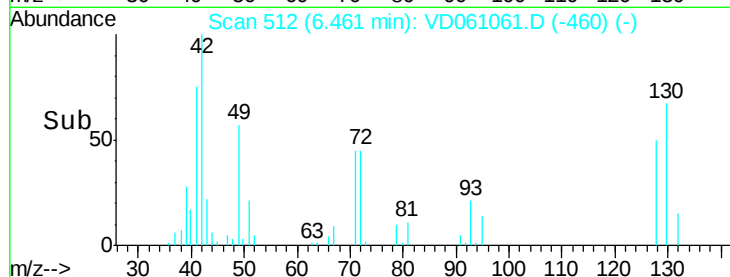
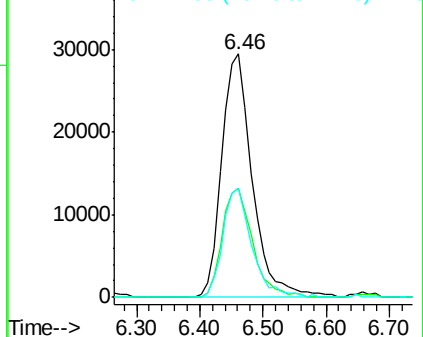
42 100

72 44.4 34.5 51.7

71 42.2 33.8 50.6



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.198 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD061061.D

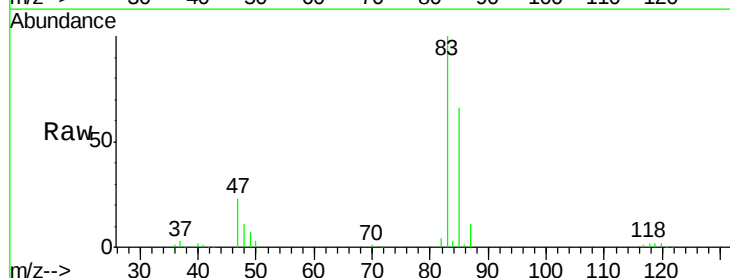
Acq: 14 Mar 2019 13:35

Tgt Ion: 83 Resp: 273327

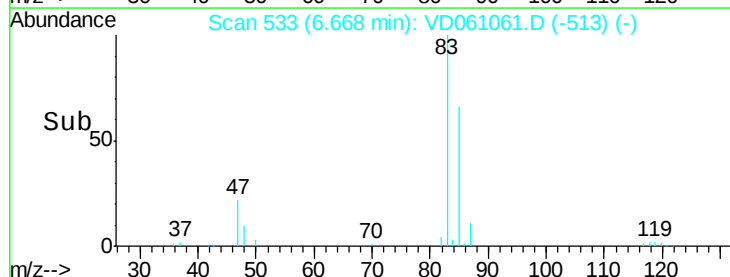
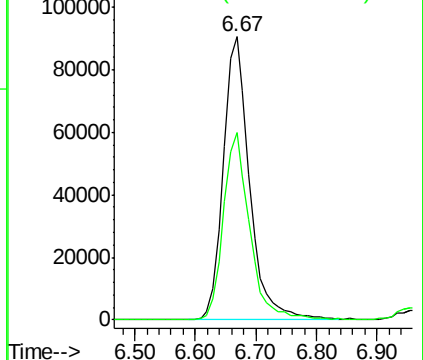
Ion Ratio Lower Upper

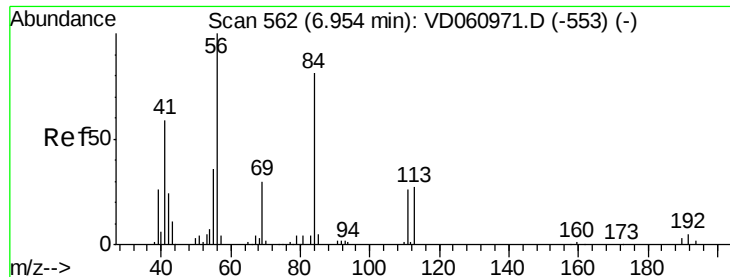
83 100

85 66.2 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

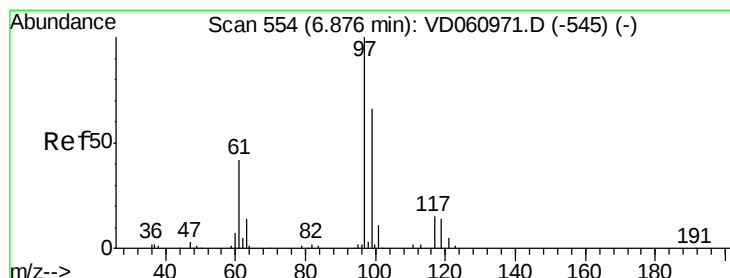
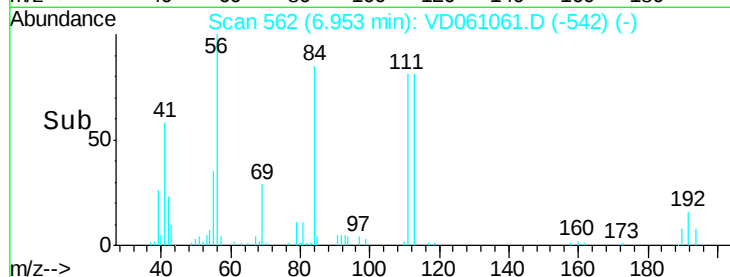
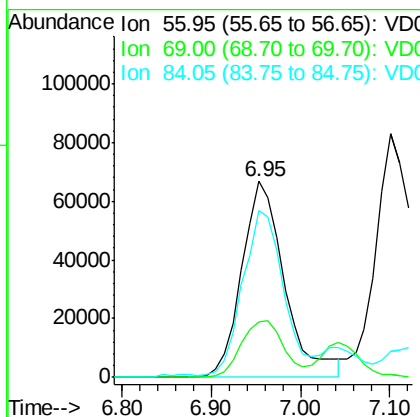
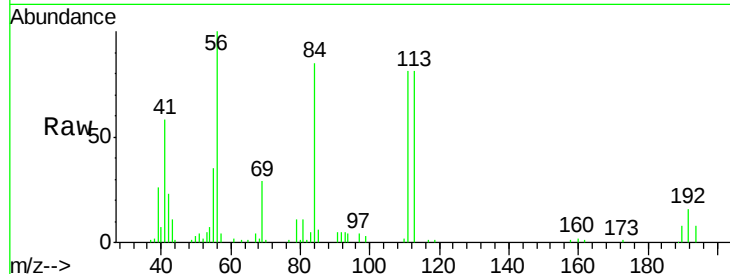




#31
Cyclohexane
Concen: 21.086 ug/l
RT: 6.95 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

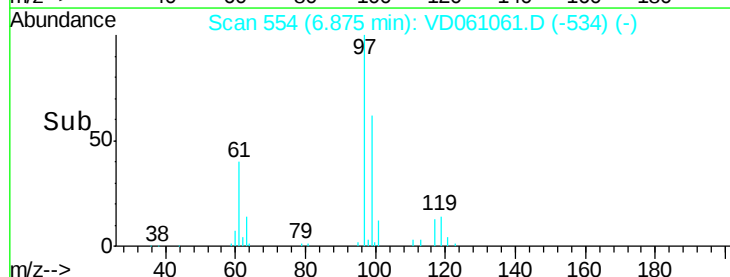
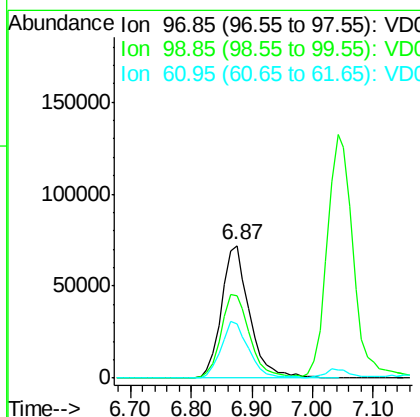
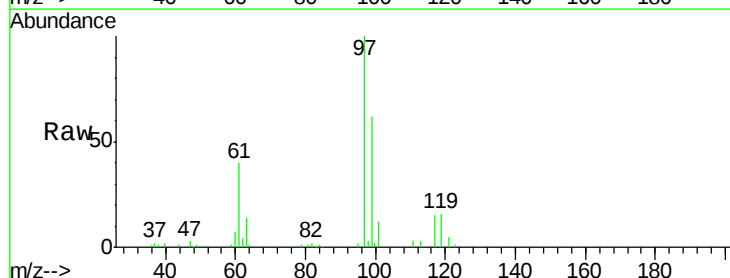
Instrument :
MSVOA_D
ClientSampleId :
VD0314SBSD01

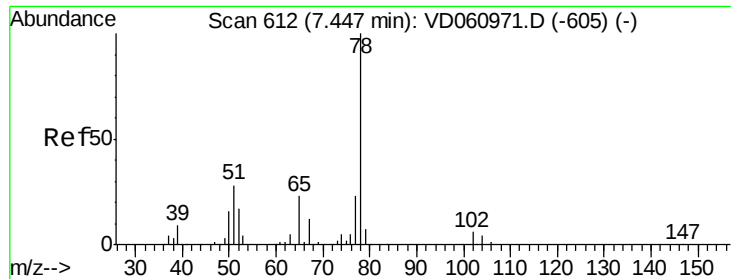
Tot Ion	Ratio	Lower	Upper
56	100		
69	28.6	24.0	36.0
84	84.8	65.8	98.6



#32
1,1,1-Trichloroethane
Concen: 19.880 ug/l
RT: 6.87 min Scan# 554
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.7	53.2	79.8
61	40.4	33.8	50.8





#33

1,2-Dichloroethane-d4

Concen: 19.880 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

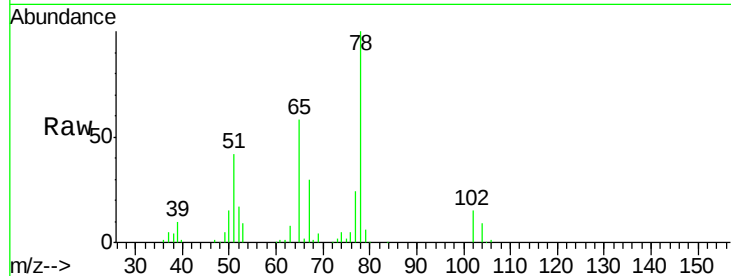
VD0314SBSD01

Tot Ion: 65 Resp: 272117

Ion Ratio Lower Upper

65 100

67 51.4 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

100000

80000

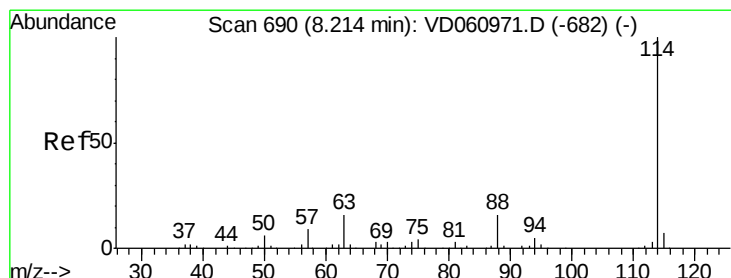
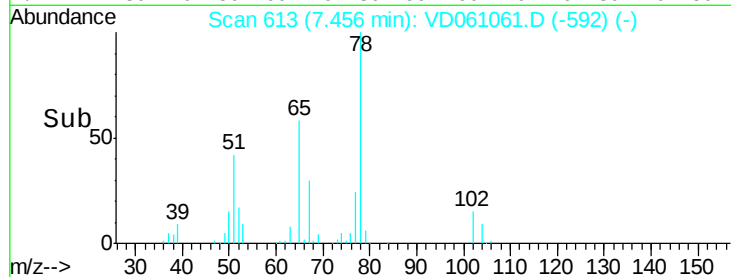
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

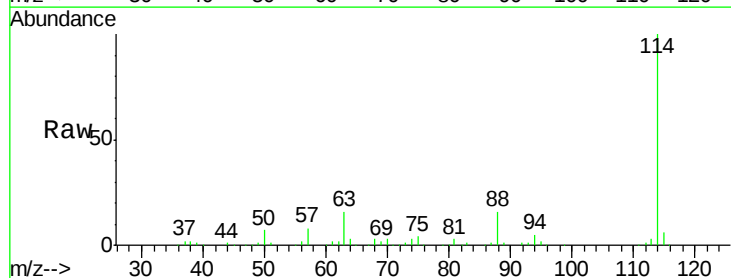
Tgt Ion:114 Resp: 1158400

Ion Ratio Lower Upper

114 100

63 15.5 0.0 31.4

88 16.3 0.0 33.0



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

600000

500000

400000

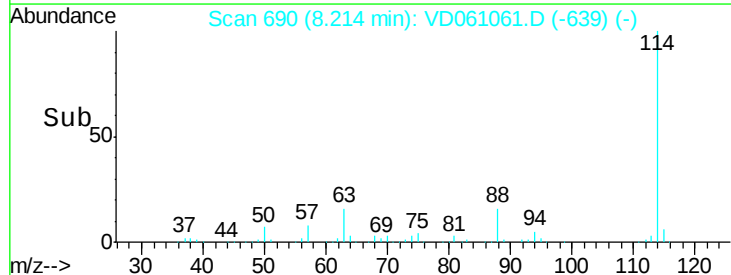
300000

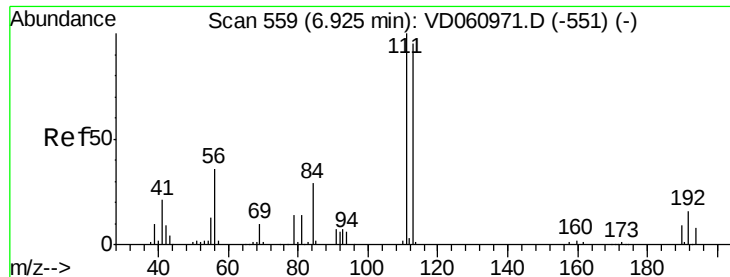
200000

100000

0

Time-->

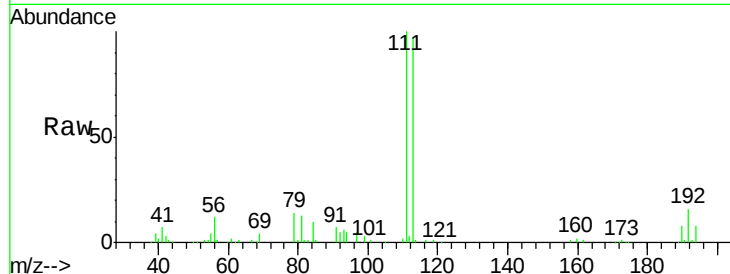




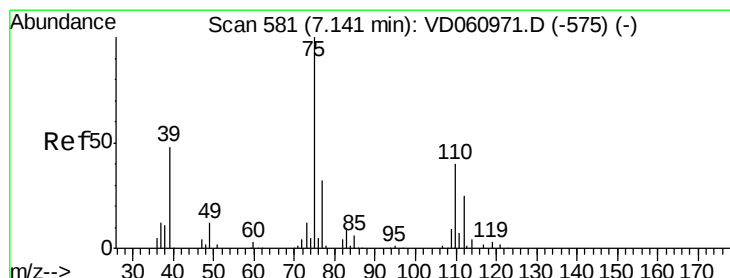
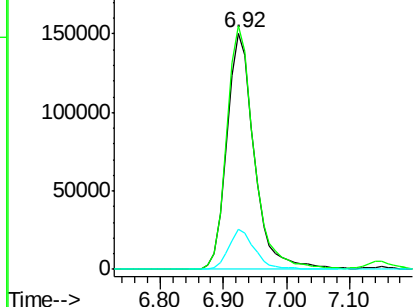
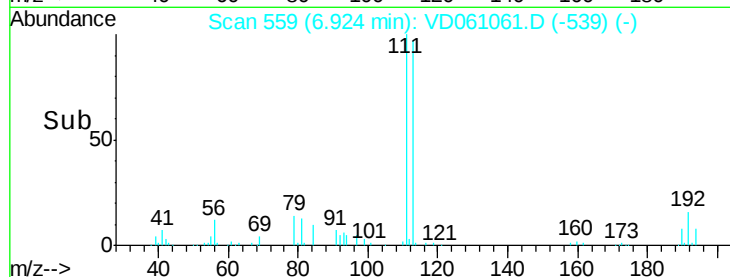
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBSD01

Tot Ion:113 Resp: 450242
 Ion Ratio Lower Upper
 113 100
 111 103.0 84.2 126.4
 192 16.7 13.1 19.7

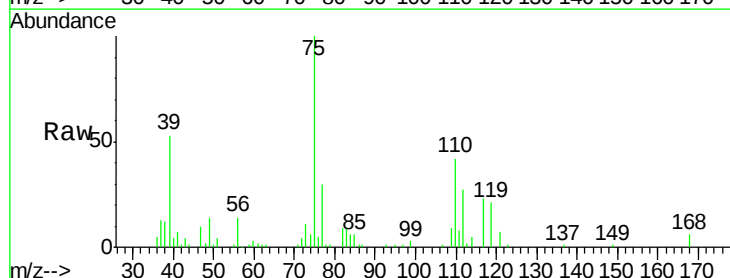


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

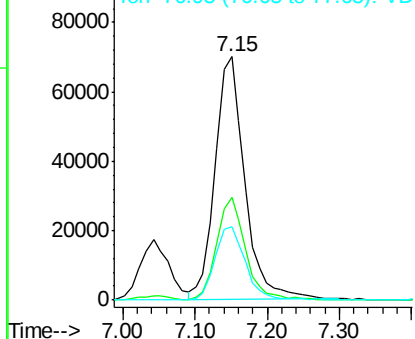
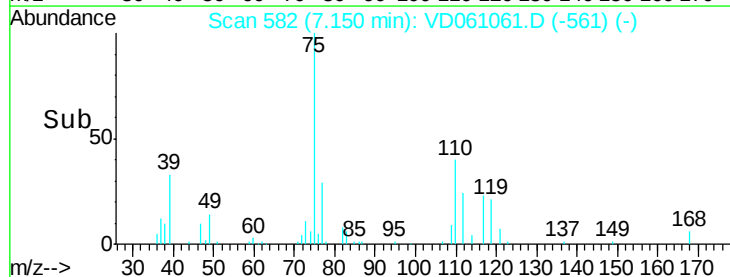


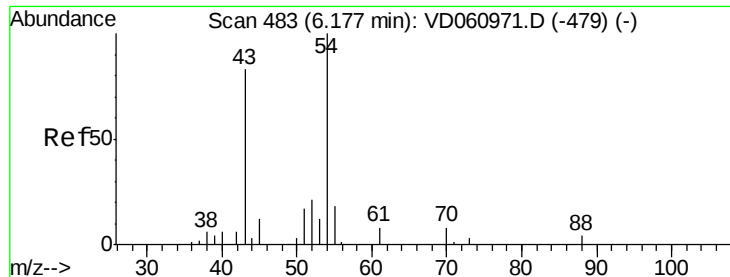
#36
 1,1-Dichloropropene
 Concen: 19.800 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Tgt Ion: 75 Resp: 197707
 Ion Ratio Lower Upper
 75 100
 110 42.5 19.7 59.1
 77 30.2 24.7 37.1



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

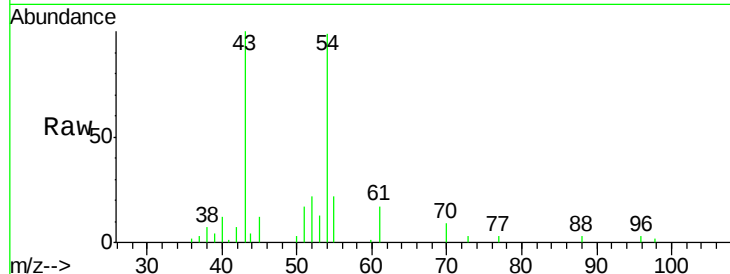




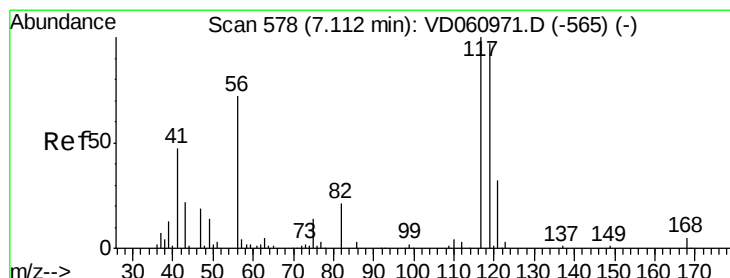
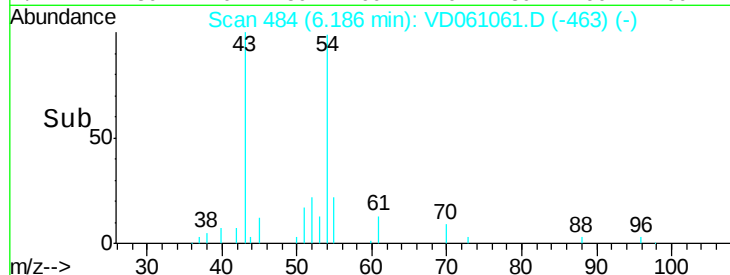
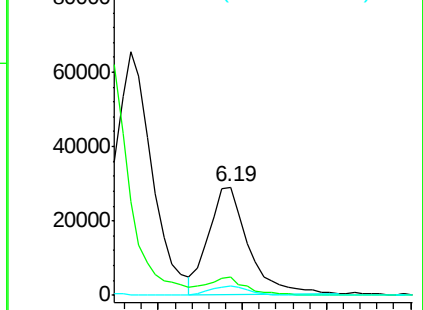
#37
Ethyl Acetate
Concen: 20.017 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.01 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0314SBSD01

Tot Ion: 43 Resp: 93792
Ion Ratio Lower Upper
43 100
61 16.8 13.7 20.5
70 8.9 7.1 10.7

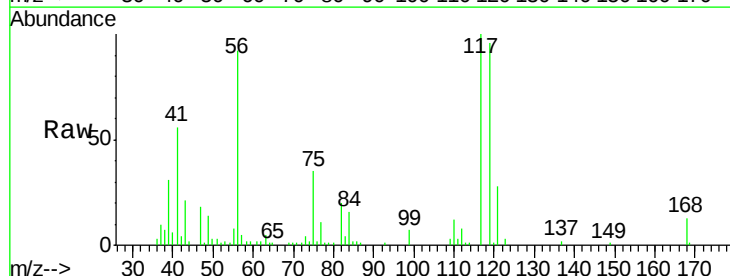


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

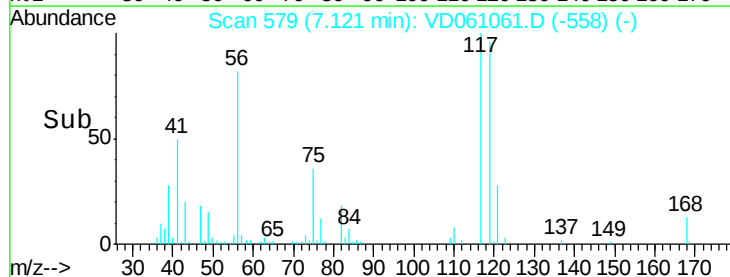
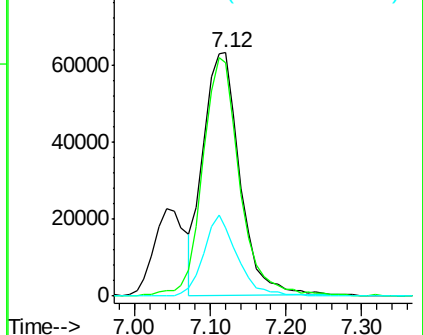


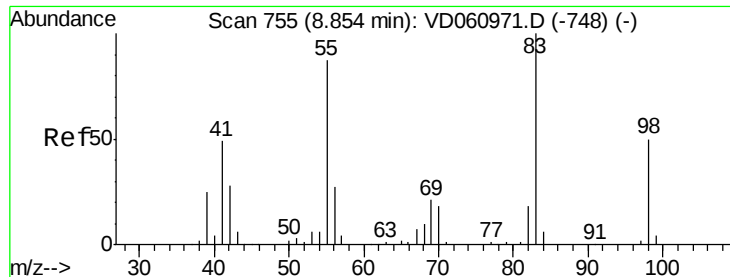
#38
Carbon Tetrachloride
Concen: 19.211 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion: 117 Resp: 211306
Ion Ratio Lower Upper
117 100
119 95.9 77.8 116.8
121 28.1 25.3 37.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

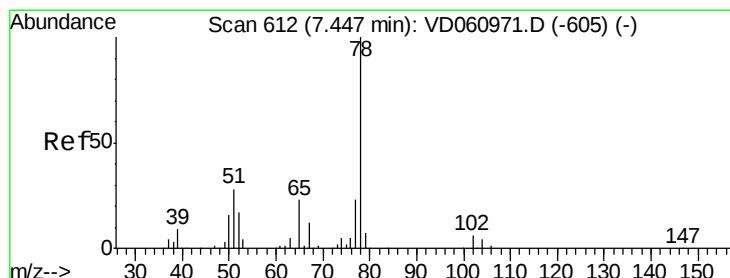
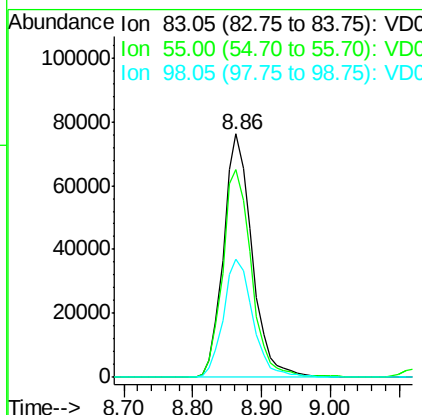
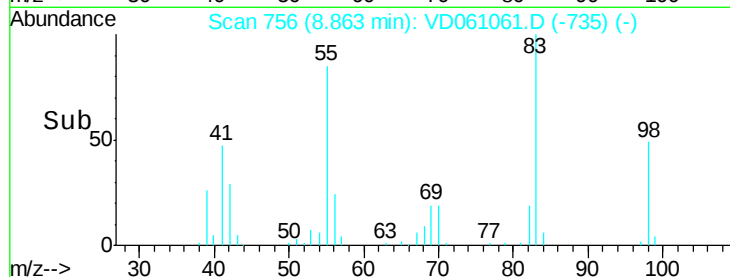
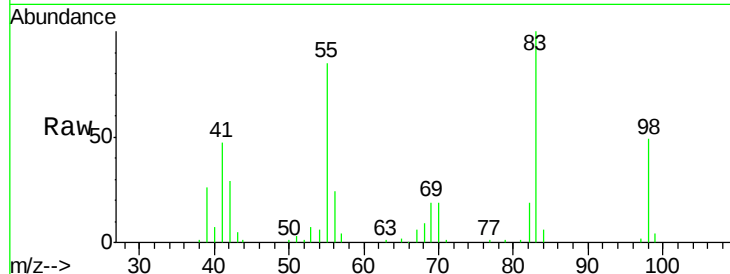




#39
Methylvlcvclohexane
Concen: 21.168 ug/l
RT: 8.86 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

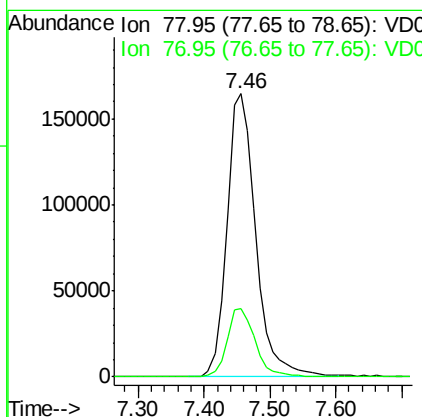
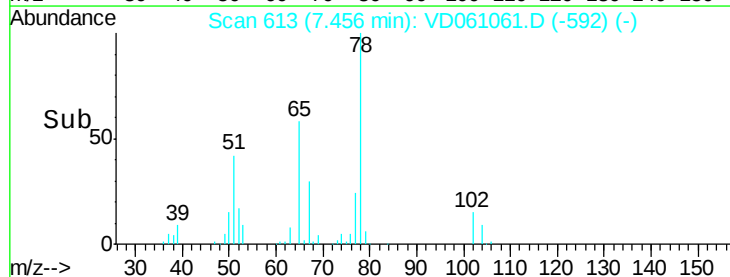
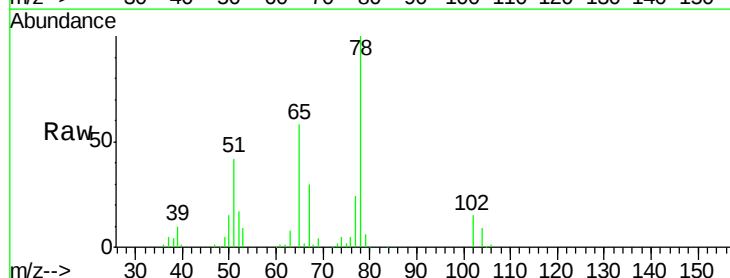
Instrument :
MSVOA_D
ClientSampleId :
VD0314SBSD01

Tot Ion: 83 Resp: 219175
Ion Ratio Lower Upper
83 100
55 85.4 69.6 104.4
98 48.6 40.0 60.0



#40
Benzene
Concen: 20.164 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion: 78 Resp: 503098
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2





#41

Methacrylonitrile

Concen: 20.325 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBSD01

Tot Ion: 41 Resp: 109543

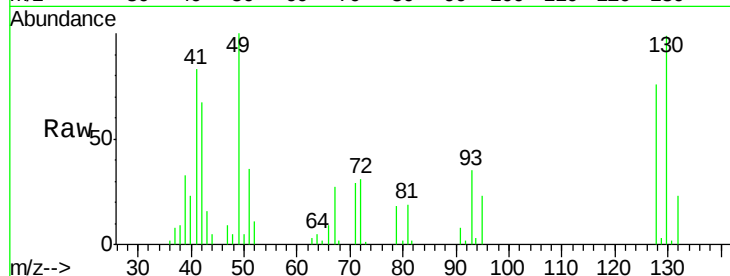
Ion Ratio Lower Upper

41 100

39 39.7 35.7 53.5

67 32.5 23.0 34.6

52 12.9 9.2 13.8

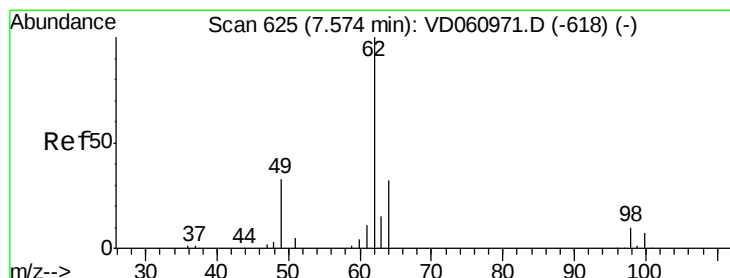
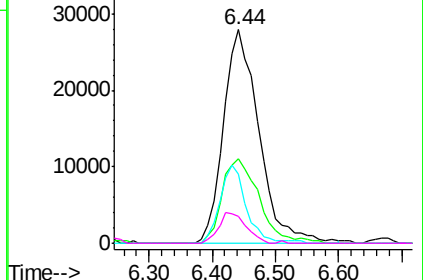
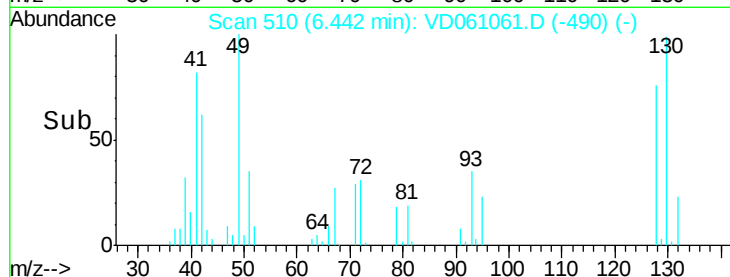


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.172 ug/l

RT: 7.57 min Scan# 625

Delta R.T. -0.00 min

Lab File: VD061061.D

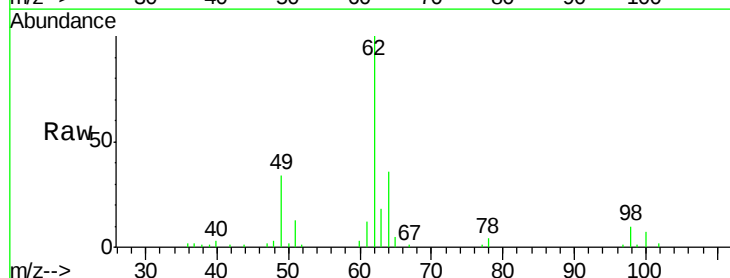
Acq: 14 Mar 2019 13:35

Tgt Ion: 62 Resp: 153300

Ion Ratio Lower Upper

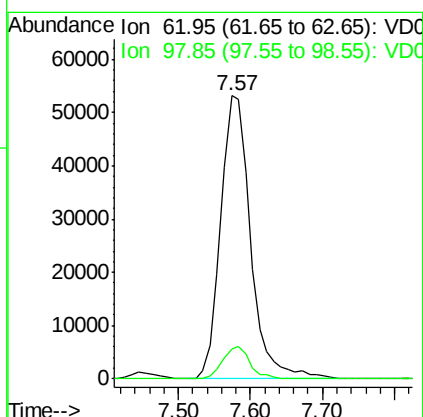
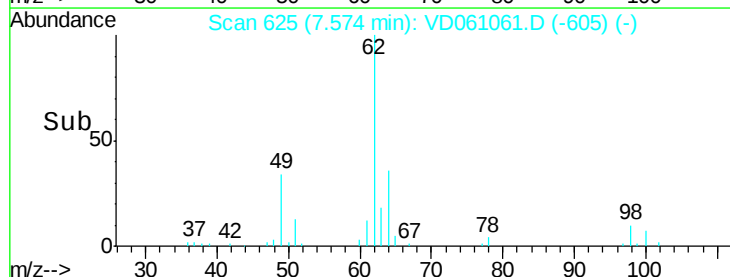
62 100

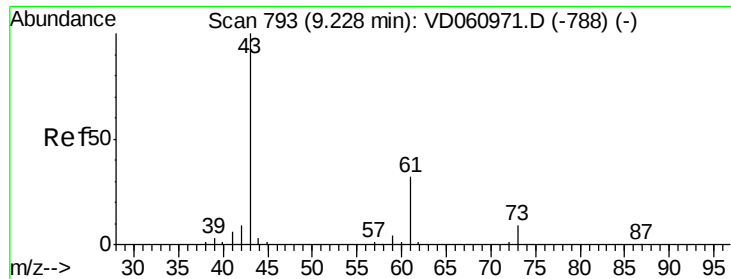
98 10.4 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



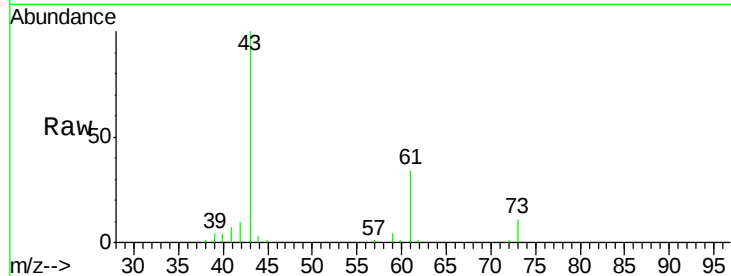


#43

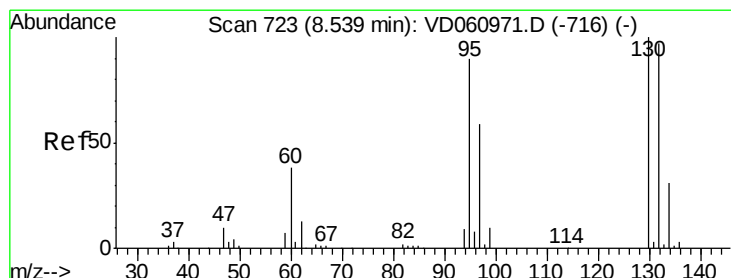
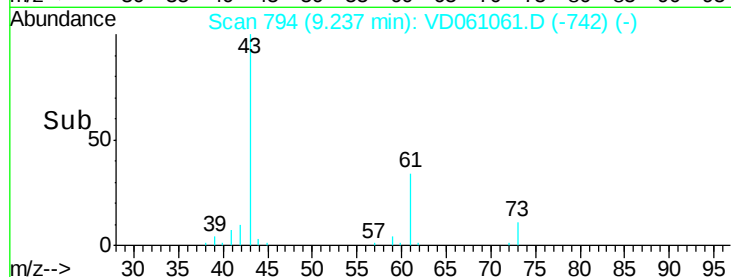
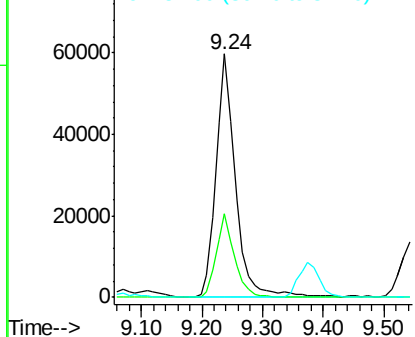
Isopropyl Acetate
 Concen: 20.528 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBS01

Tot Ion: 43 Resp: 133222
 Ion Ratio Lower Upper
 43 100
 61 34.2 25.6 38.4
 87 0.0 0.2 0.4#



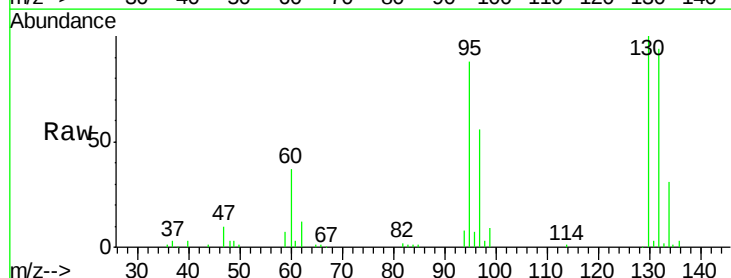
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



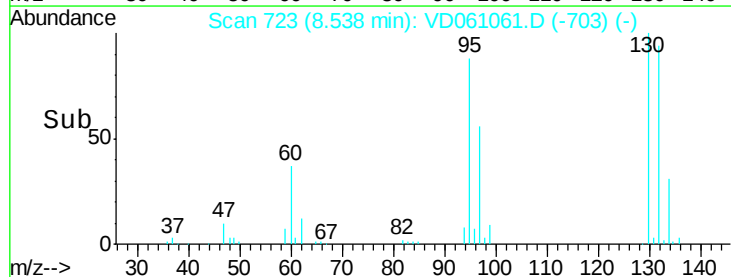
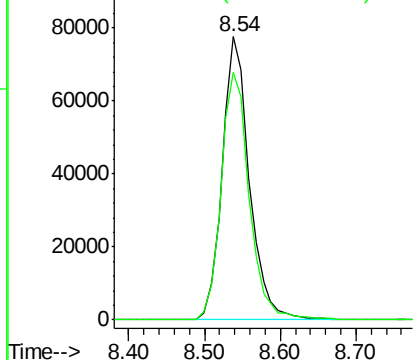
#44

Trichloroethene
 Concen: 22.356 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Tgt Ion:130 Resp: 192437
 Ion Ratio Lower Upper
 130 100
 95 87.7 0.0 179.4



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





#45

1,2-Dichloropropane

Concen: 21.221 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

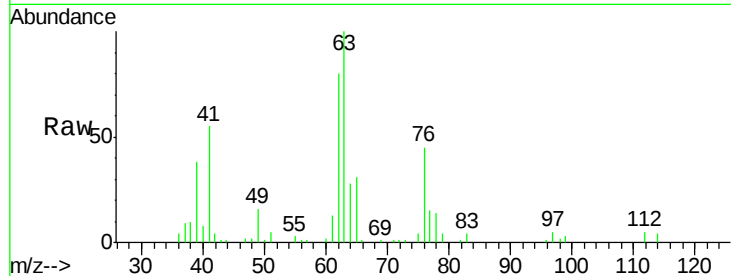
VD0314SBS01

Tot Ion: 63 Resp: 139103

Ion Ratio Lower Upper

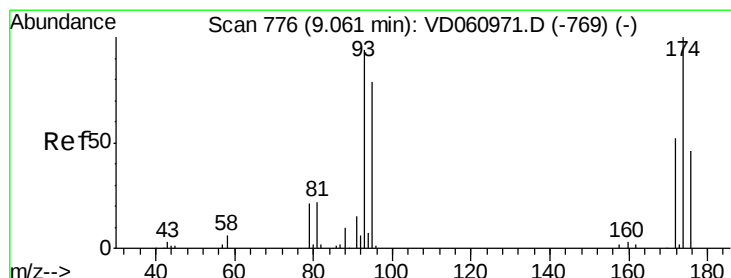
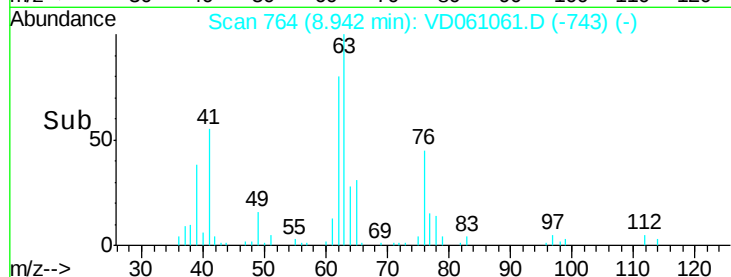
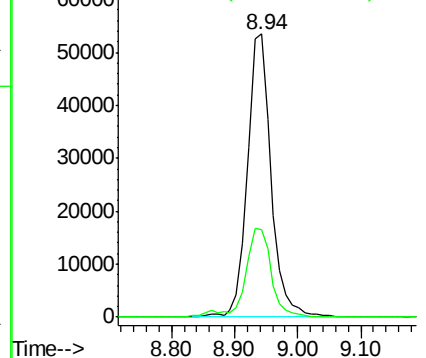
63 100

65 31.1 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.738 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

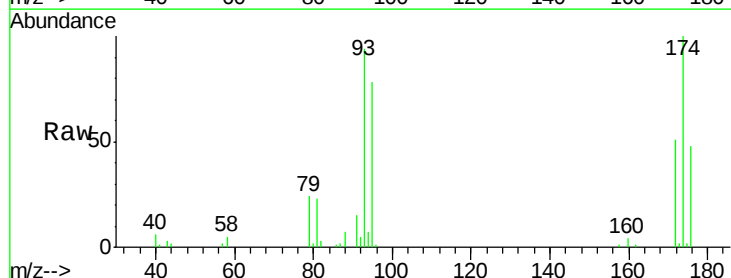
Tgt Ion: 93 Resp: 86231

Ion Ratio Lower Upper

93 100

95 83.3 67.4 101.0

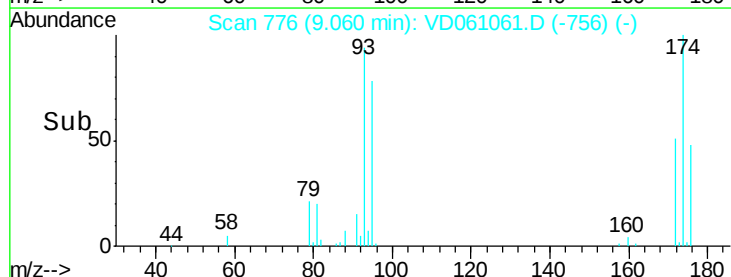
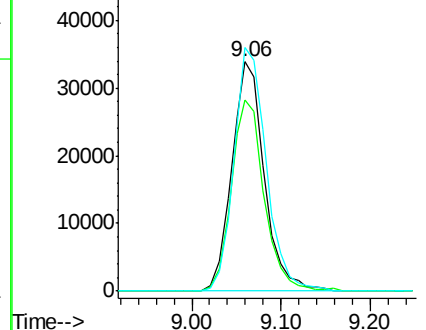
174 106.2 85.4 128.0



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: 20.676 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBSD01

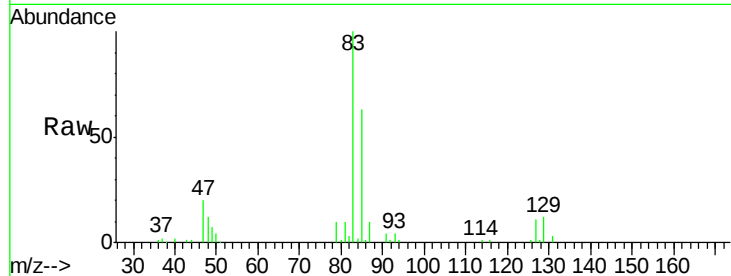
Tot Ion: 83 Resp: 194008

Ion Ratio Lower Upper

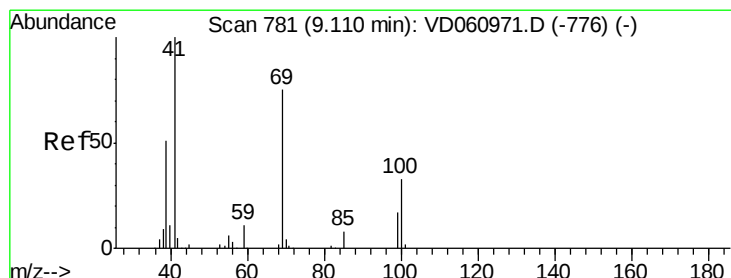
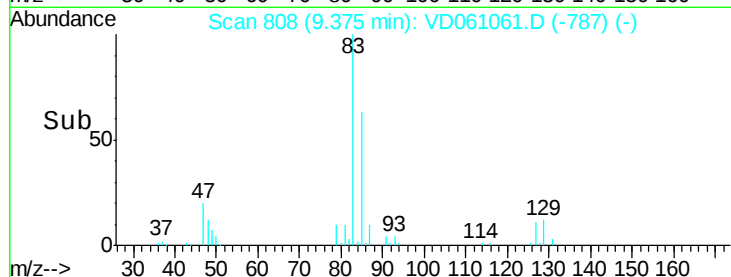
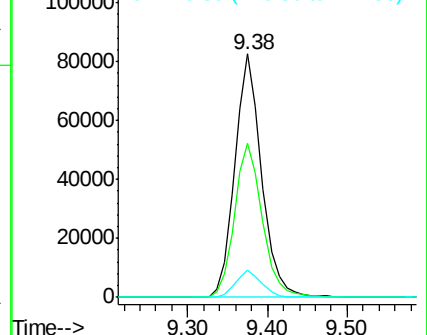
83 100

85 63.1 52.5 78.7

127 11.0 7.5 11.3



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): VDC



#48

Methyl methacrylate

Concen: 22.050 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

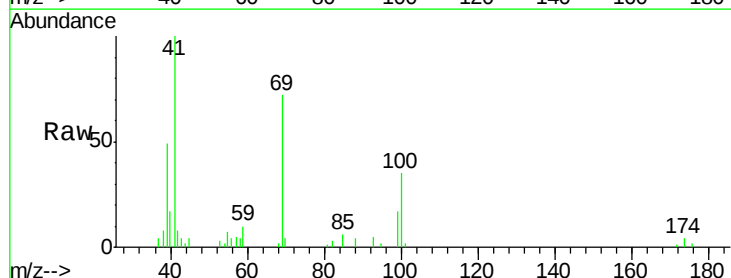
Tgt Ion: 41 Resp: 80573

Ion Ratio Lower Upper

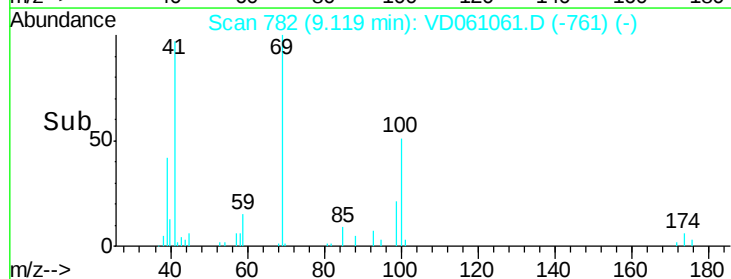
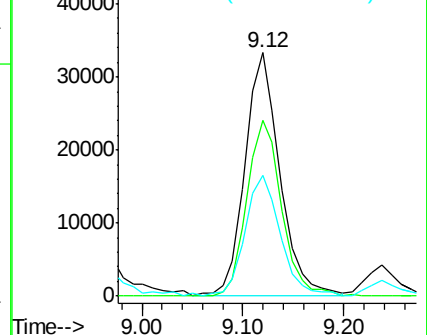
41 100

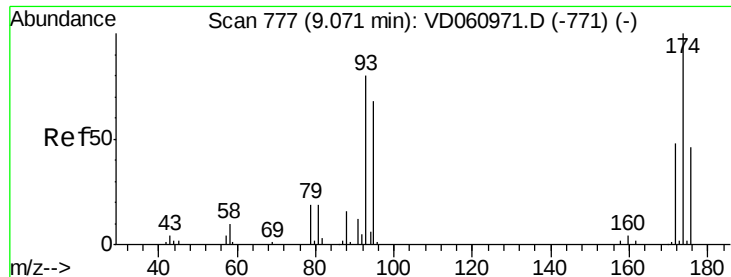
69 72.0 59.9 89.9

39 49.5 40.9 61.3



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: 403.042 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

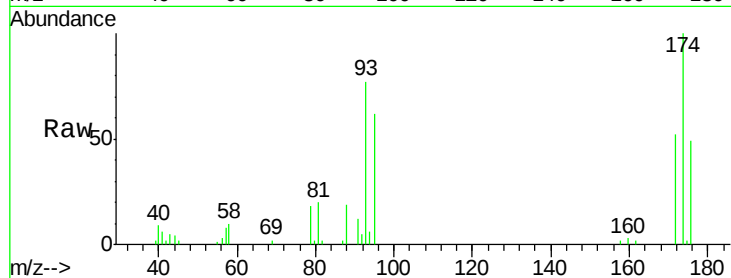
Tot Ion: 88 Resp: 14892

Ion Ratio Lower Upper

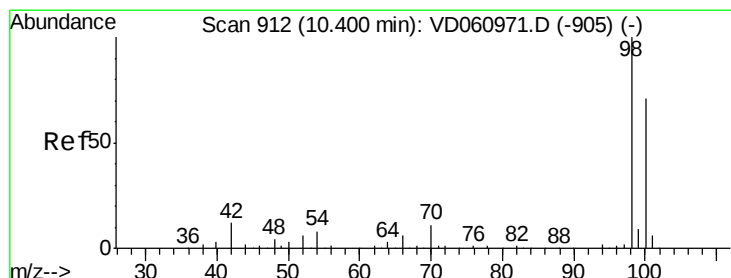
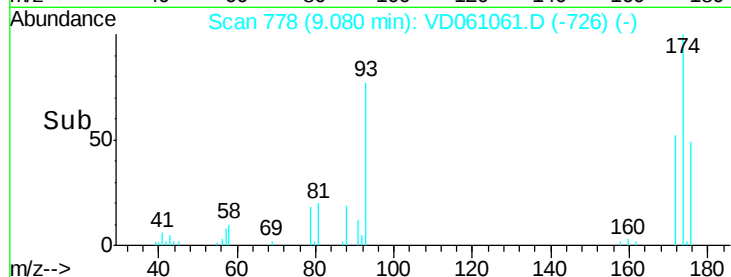
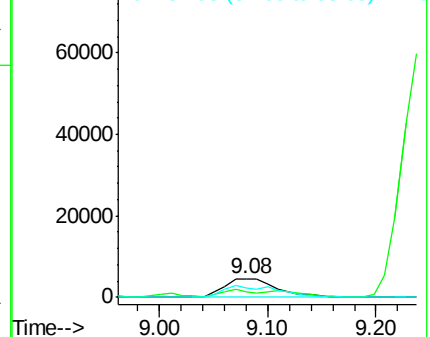
88 100

43 27.2 21.0 31.6

58 53.2 48.6 72.8



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: 403.042 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD061061.D

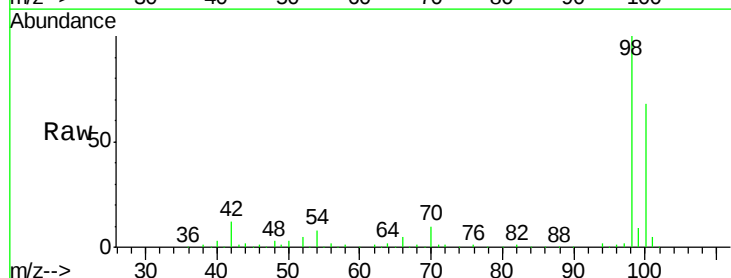
Acq: 14 Mar 2019 13:35

Tgt Ion: 98 Resp: 1132865

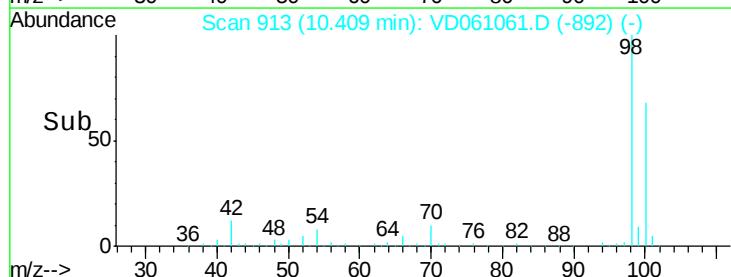
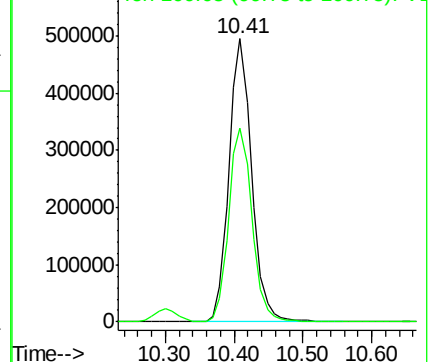
Ion Ratio Lower Upper

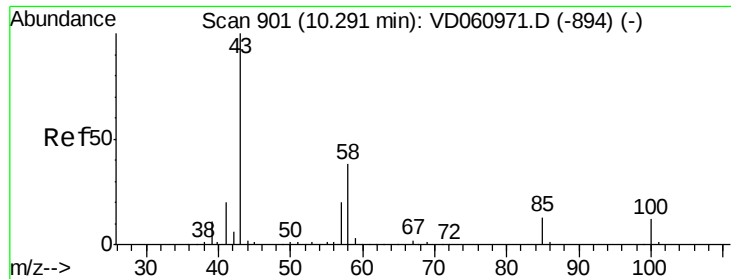
98 100

100 68.5 57.4 86.2



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: 105.642 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

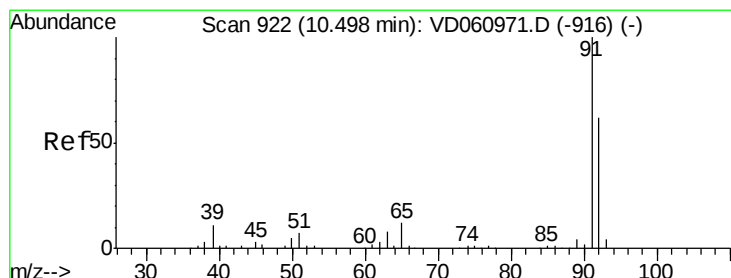
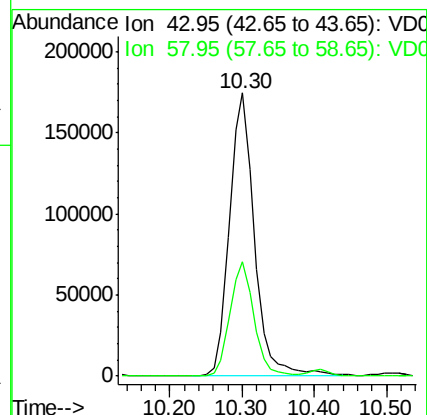
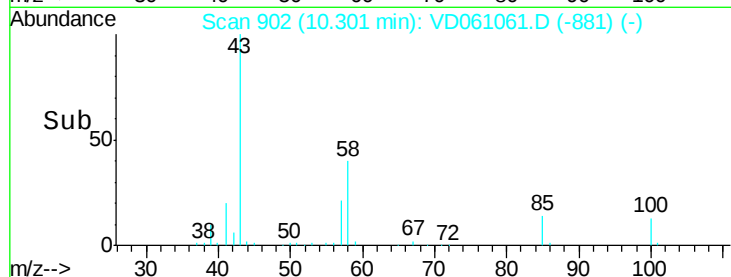
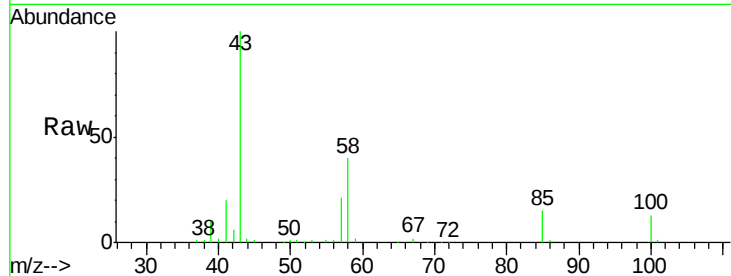
VD0314SBS01

Tot Ion: 43 Resp: 420022

Ion Ratio Lower Upper

43 100

58 40.2 30.2 45.2



#52

Toluene

Concen: 20.504 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD061061.D

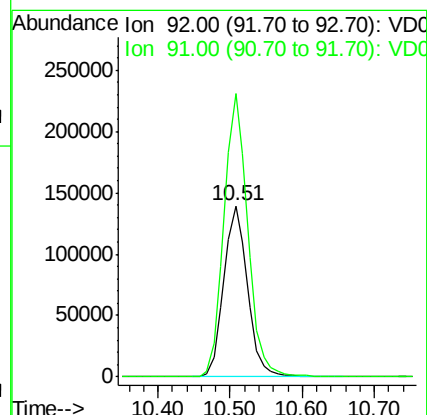
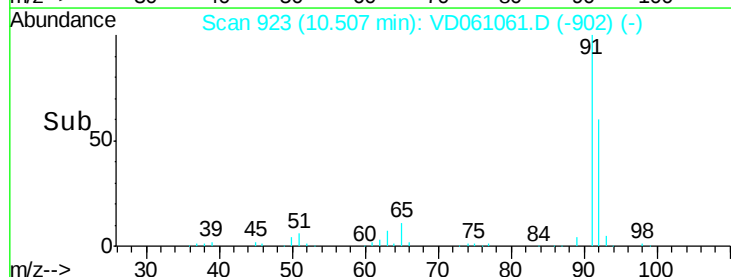
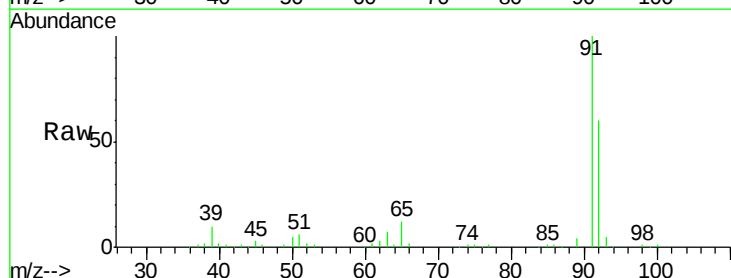
Acq: 14 Mar 2019 13:35

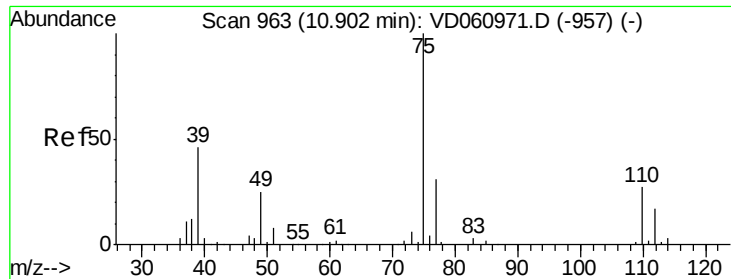
Tgt Ion: 92 Resp: 318126

Ion Ratio Lower Upper

92 100

91 165.6 129.8 194.8

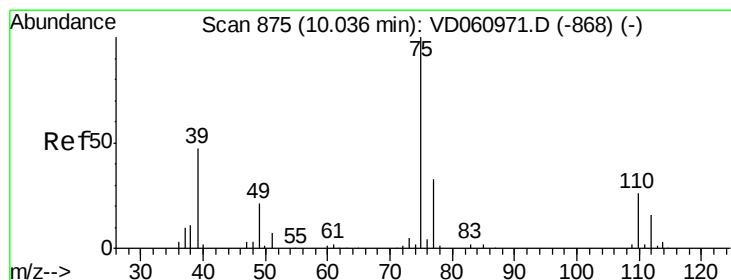
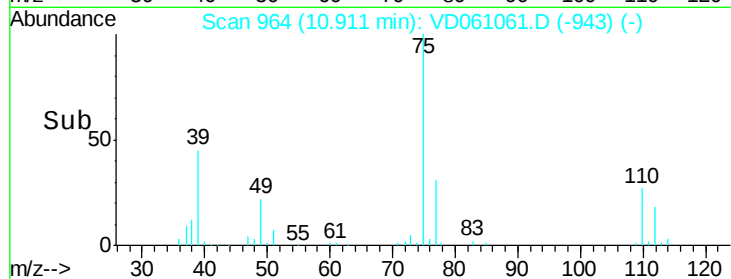
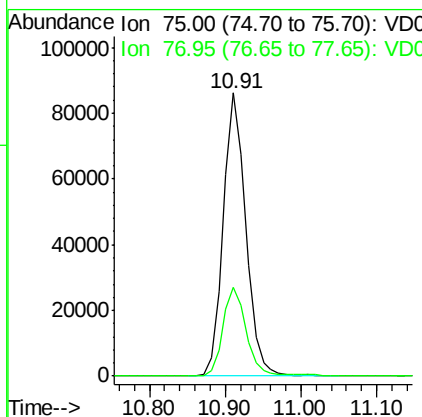
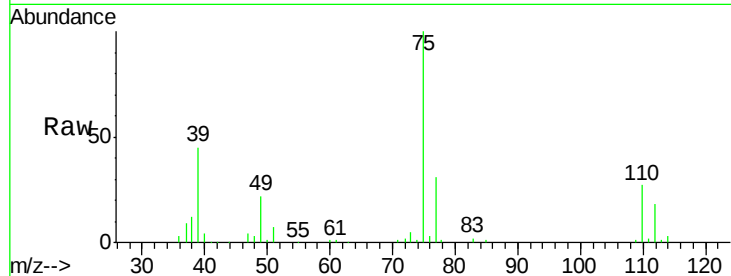




#53
 t-1,3-Dichloropropene
 Concen: 20.778 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

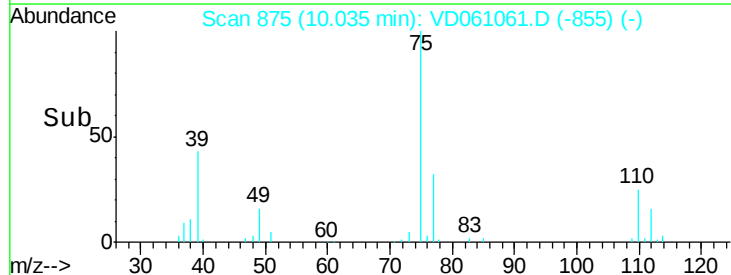
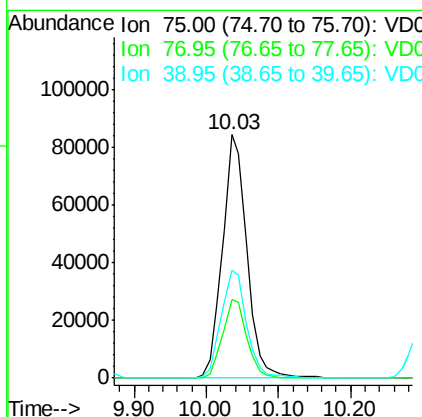
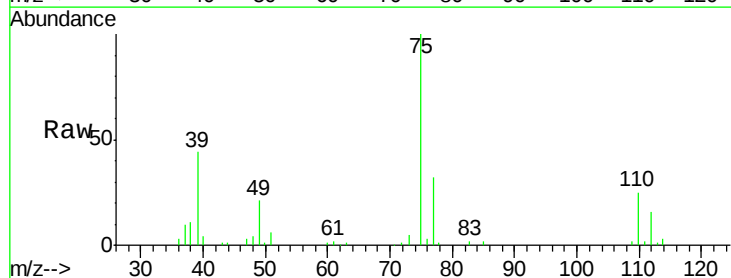
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBSD01

Tot Ion: 75 Resp: 178267
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 19.215 ug/l
 RT: 10.03 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Tgt Ion: 75 Resp: 198088
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.2 39.4
 39 44.5 37.8 56.8

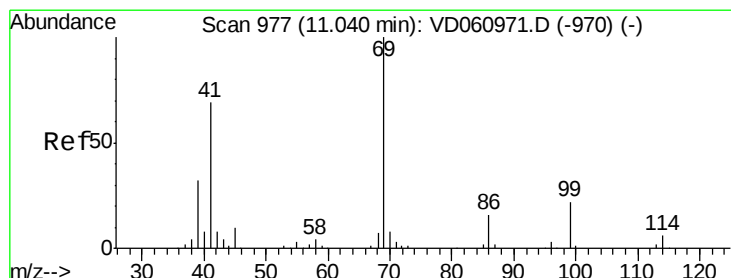
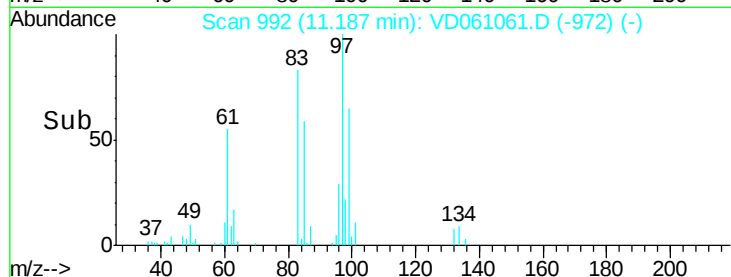
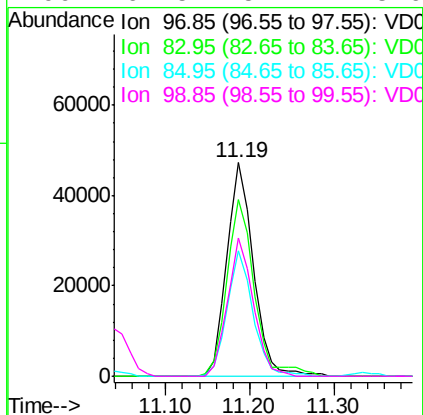
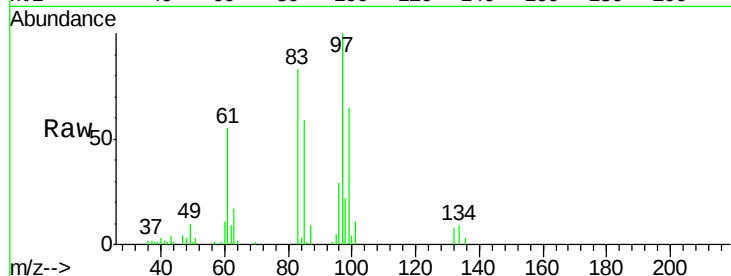




#55
 1,1,2-Trichloroethane
 Concen: 20.175 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

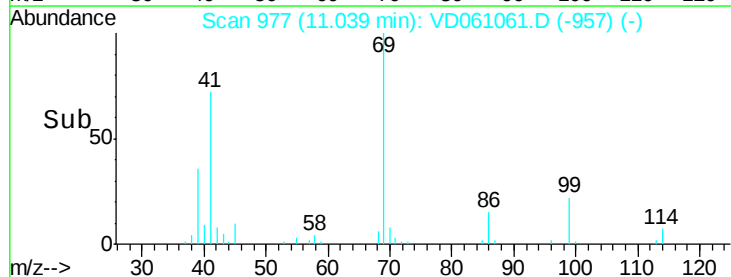
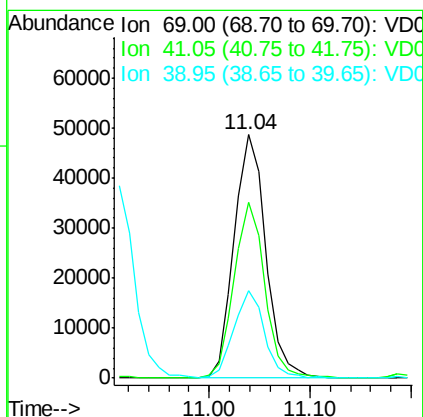
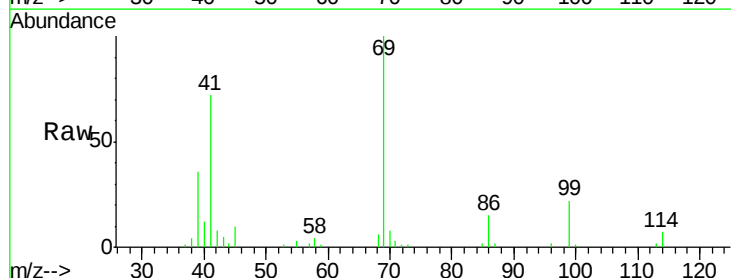
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBSD01

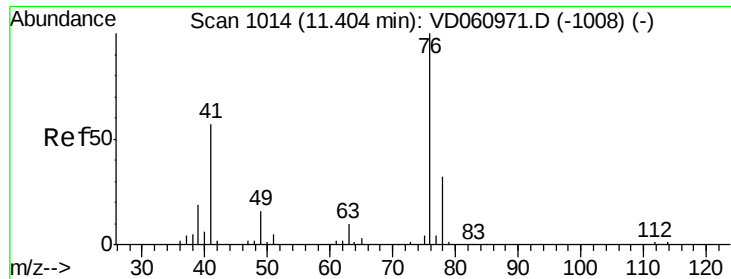
Tot Ion: 97 Resp: 104243
 Ion Ratio Lower Upper
 97 100
 83 82.6 66.6 100.0
 85 58.9 46.4 69.6
 99 64.5 52.4 78.6



#56
 Ethyl methacrylate
 Concen: 19.756 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Tgt Ion: 69 Resp: 106845
 Ion Ratio Lower Upper
 69 100
 41 72.4 55.5 83.3
 39 35.8 26.2 39.2

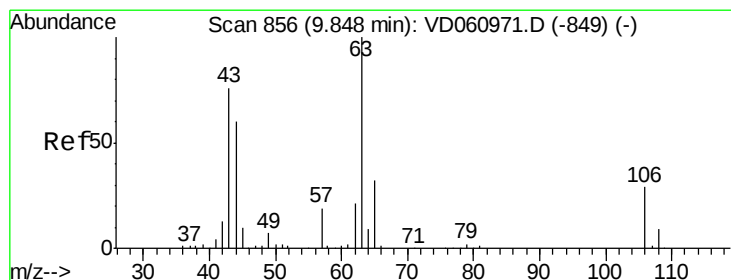
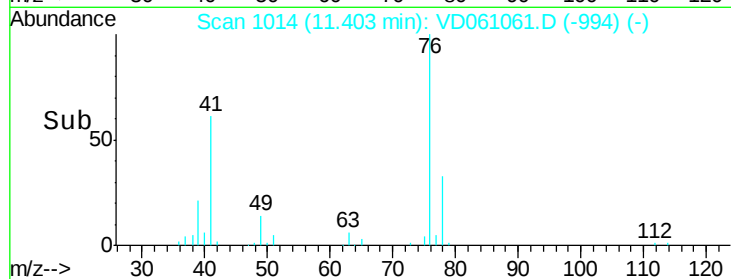
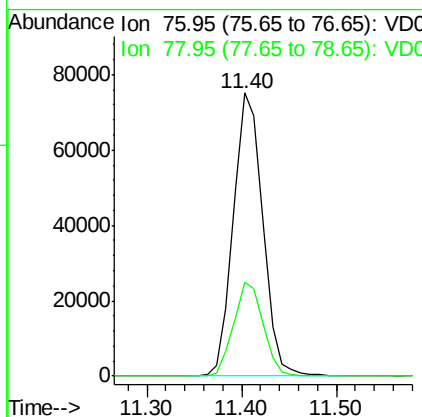
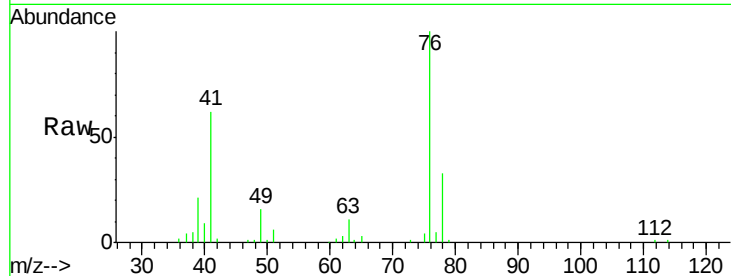




#57
 1,3-Dichloropropane
 Concen: 20.919 ug/l
 RT: 11.40 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

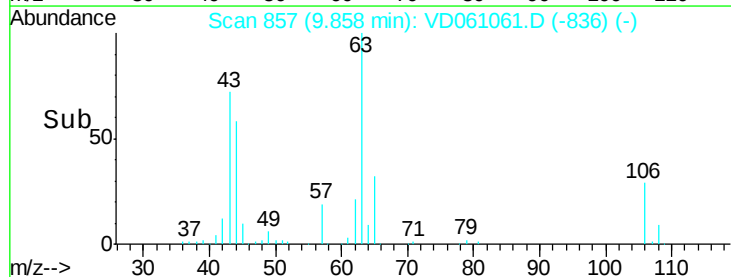
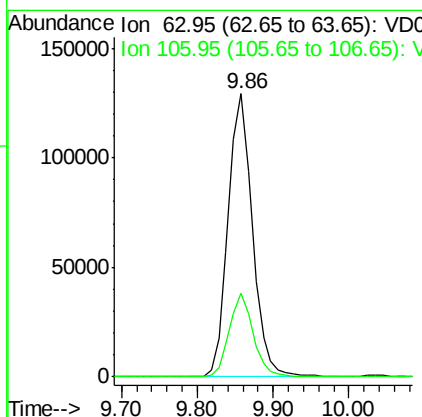
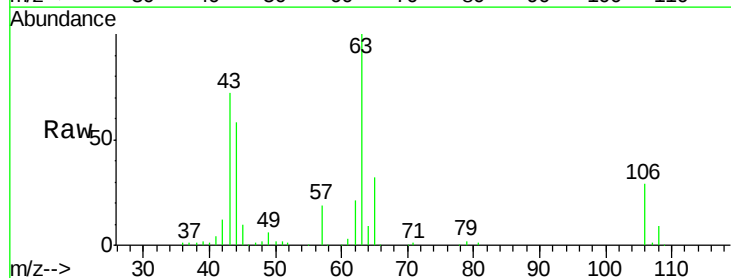
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBSD01

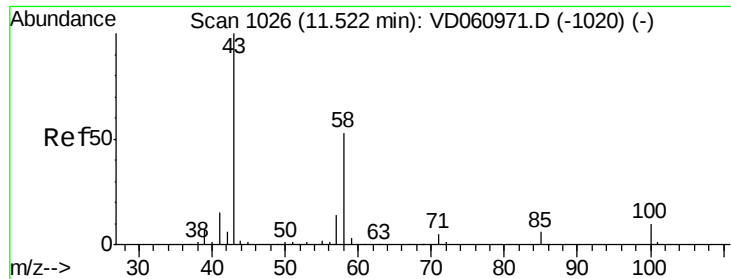
Tot Ion: 76 Resp: 161525
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.488 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Tgt Ion: 63 Resp: 287668
 Ion Ratio Lower Upper
 63 100
 106 29.4 22.8 34.2

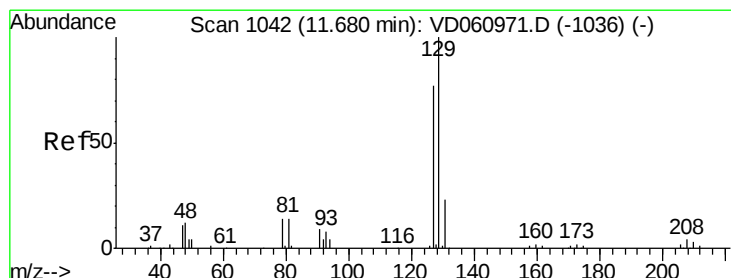
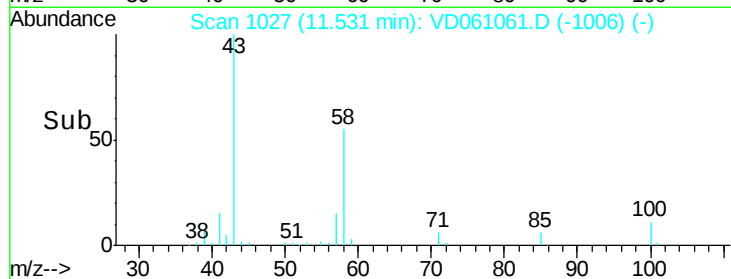
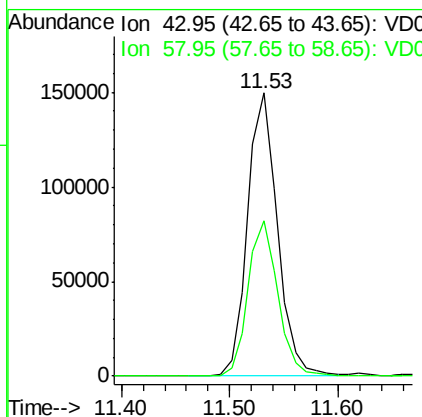
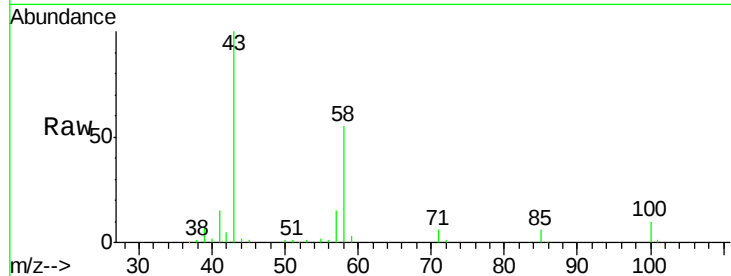




#59
2-Hexanone
Concen: 98.702 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

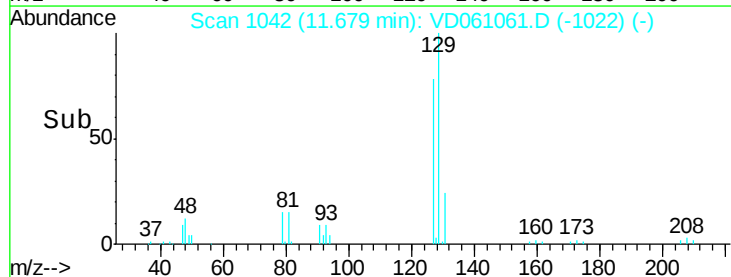
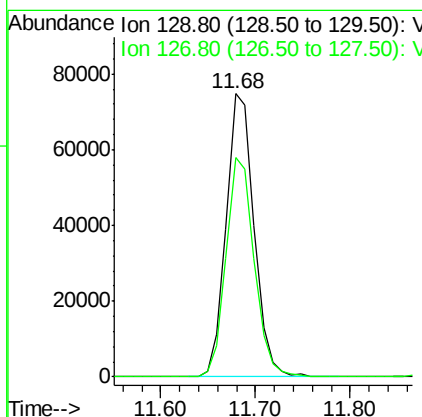
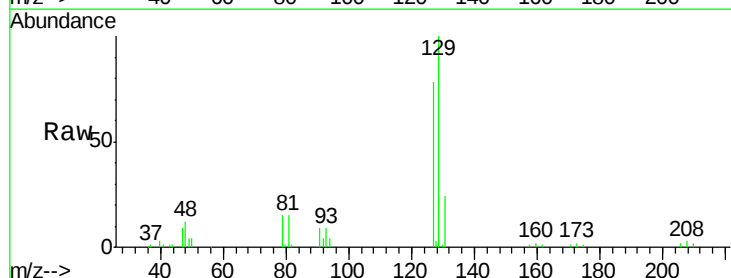
Instrument :
MSVOA_D
ClientSampleId :
VD0314SBSD01

Tot Ion: 43 Resp: 287059
Ion Ratio Lower Upper
43 100
58 54.9 26.5 79.5



#60
Dibromochloromethane
Concen: 20.060 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion: 129 Resp: 152537
Ion Ratio Lower Upper
129 100
127 77.7 38.3 114.9

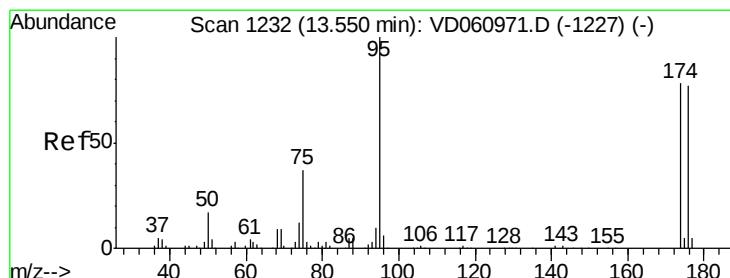
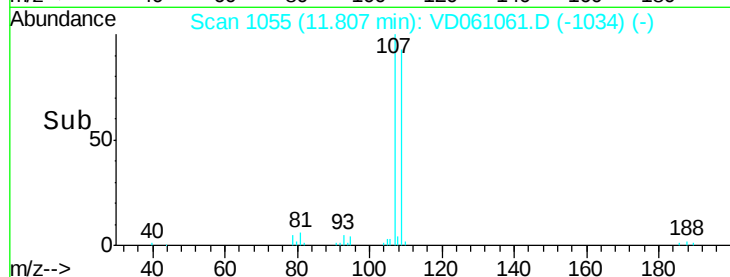
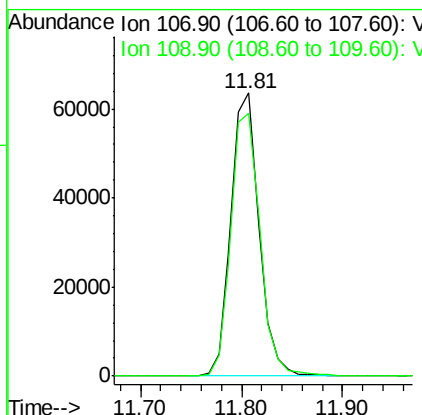
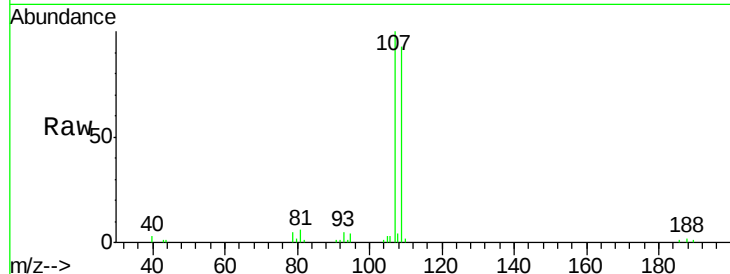




#61
1,2-Dibromoethane
Concen: 20.425 ug/l
RT: 11.81 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

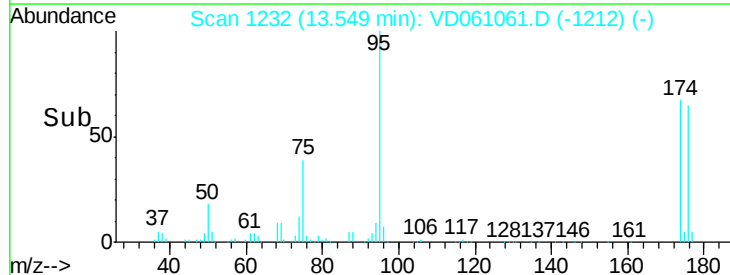
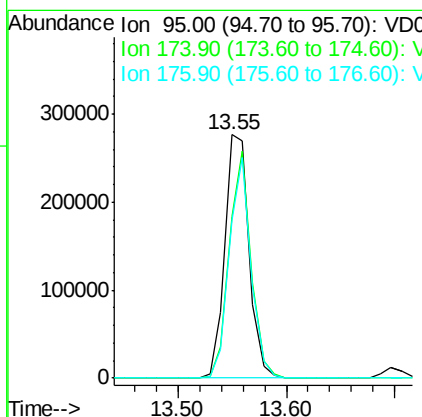
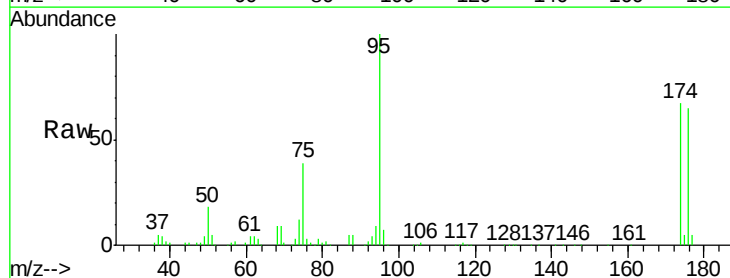
Instrument :
MSVOA_D
ClientSampleId :
VD0314SBSD01

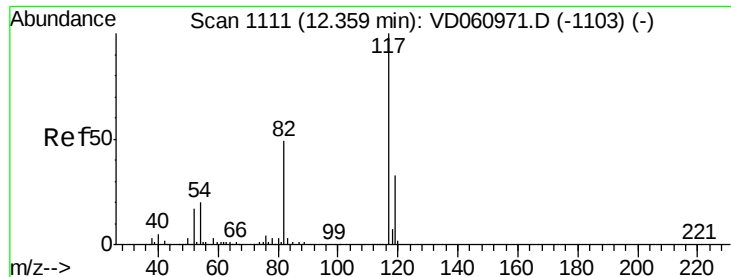
Tot Ion:107 Resp: 122769
Ion Ratio Lower Upper
107 100
109 92.9 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 20.425 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion: 95 Resp: 430638
Ion Ratio Lower Upper
95 100
174 66.6 0.0 155.6
176 64.9 0.0 153.8

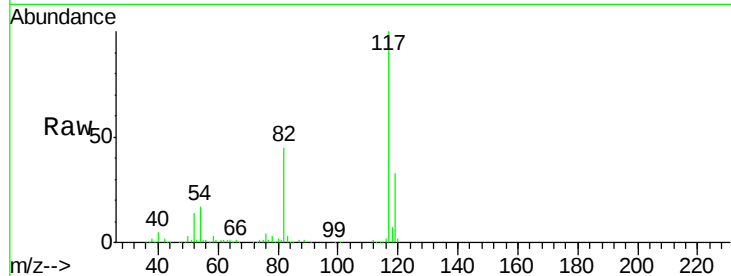




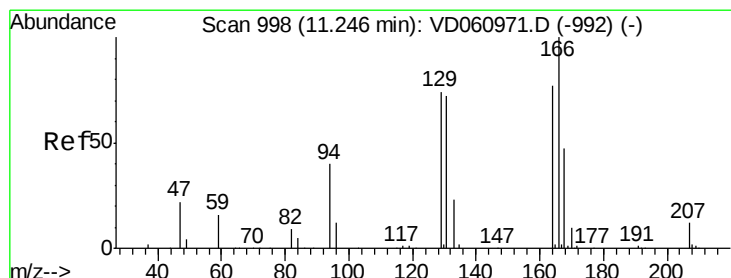
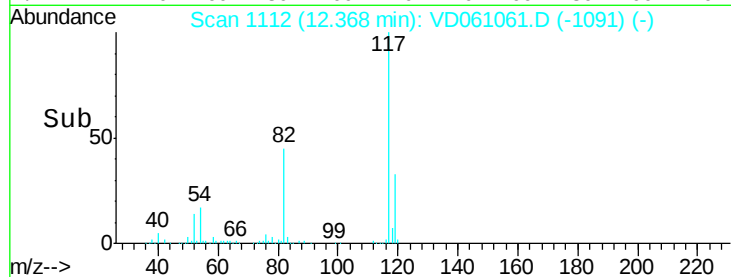
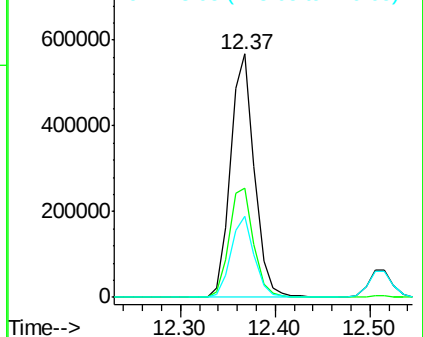
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0314SBSD01

Tot Ion:117 Resp: 986502
Ion Ratio Lower Upper
117 100
82 45.0 38.9 58.3
119 33.3 26.6 39.8

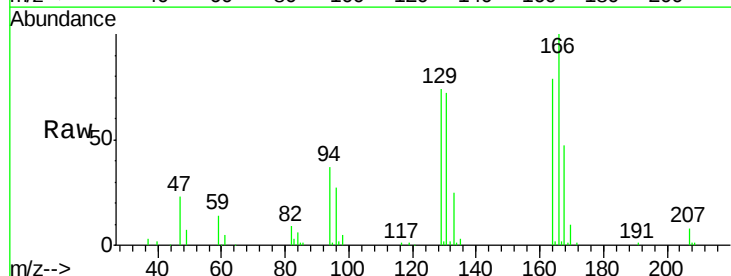


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

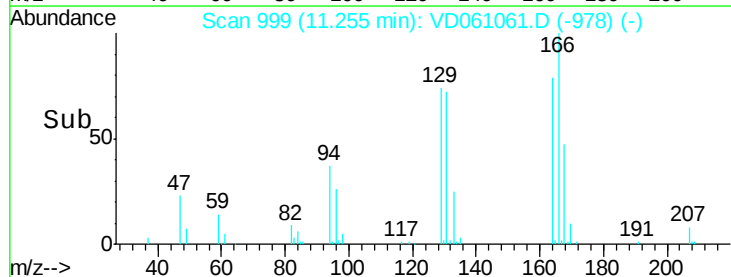
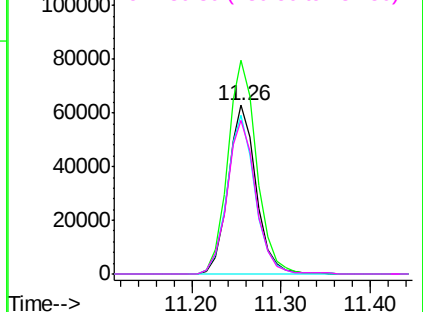


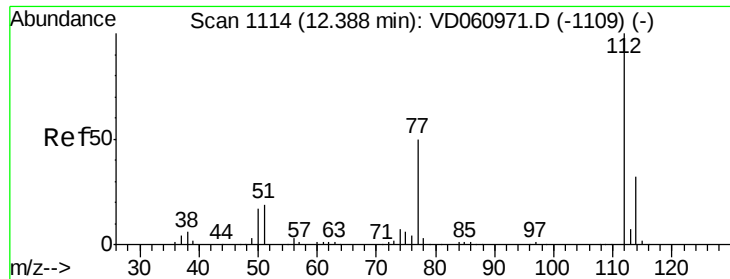
#64
Tetrachloroethene
Concen: 20.824 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion:164 Resp: 138674
Ion Ratio Lower Upper
164 100
166 126.5 103.4 155.0
129 94.0 76.9 115.3
131 91.0 74.4 111.6



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

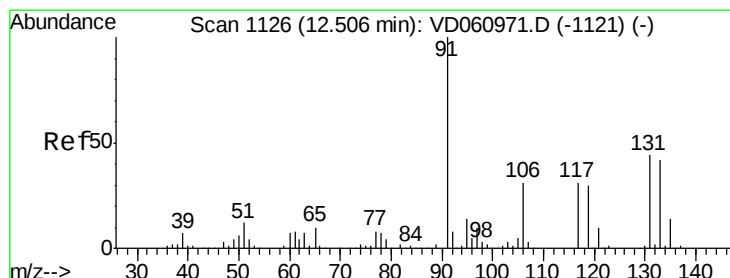
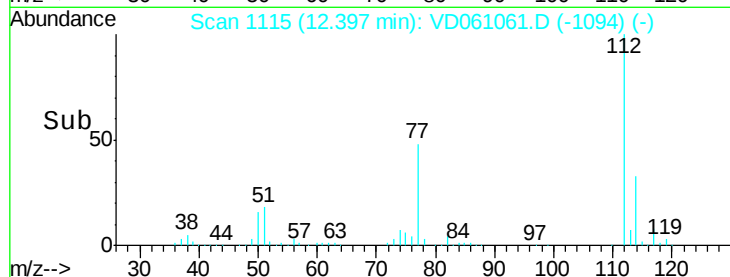
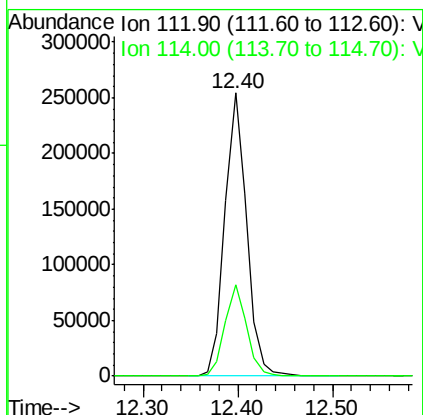
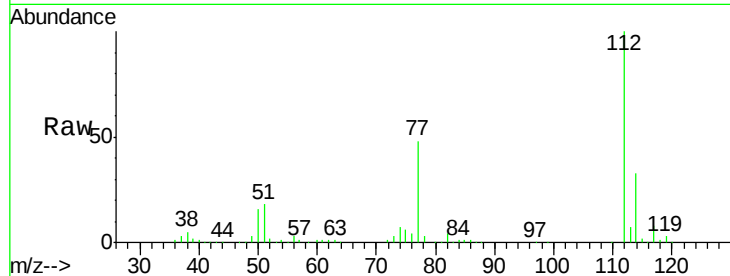




#65
Chlorobenzene
Concen: 20.973 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

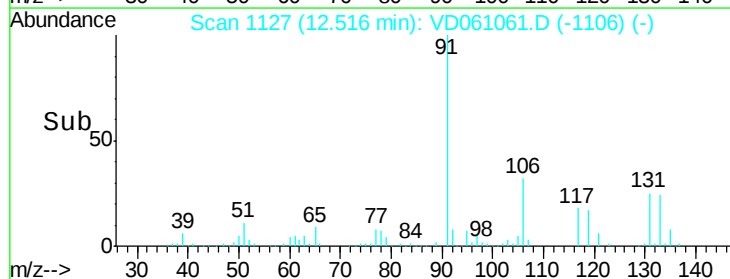
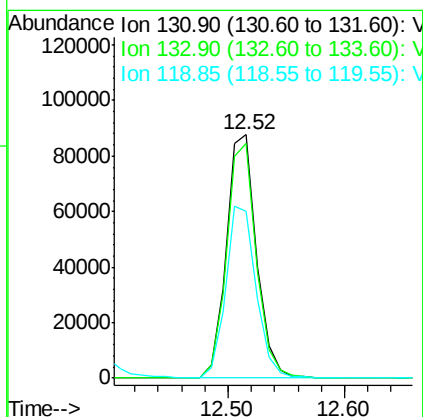
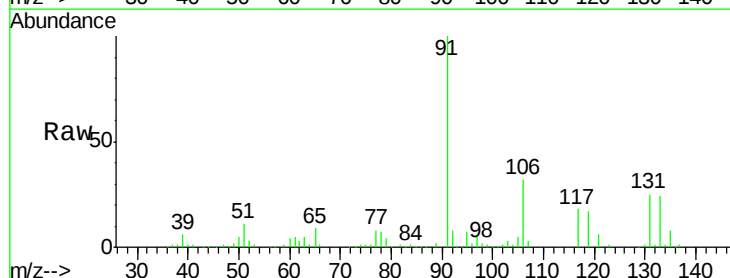
Instrument :
MSVOA_D
ClientSampleId :
VD0314SBSD01

Tot Ion:112 Resp: 405606
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.673 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion:131 Resp: 156303
Ion Ratio Lower Upper
131 100
133 96.5 47.8 143.3
119 68.7 34.3 102.9

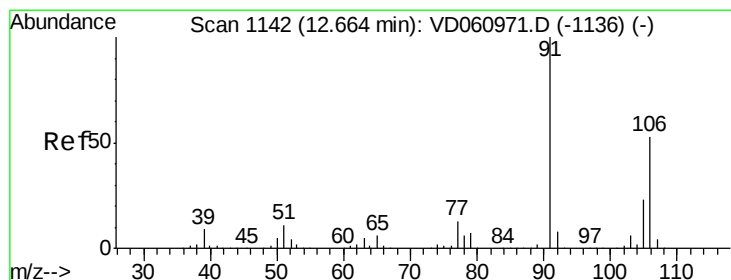
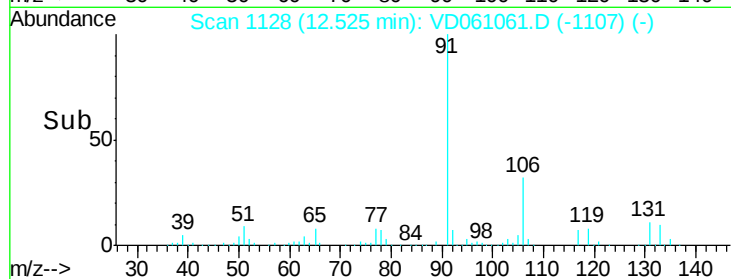
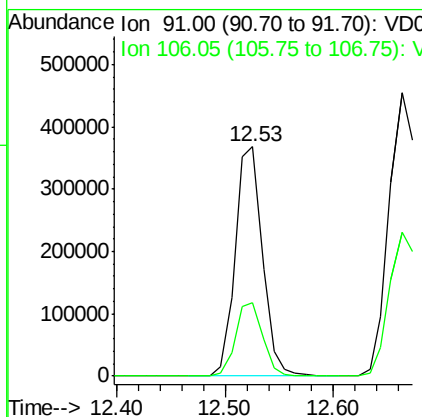
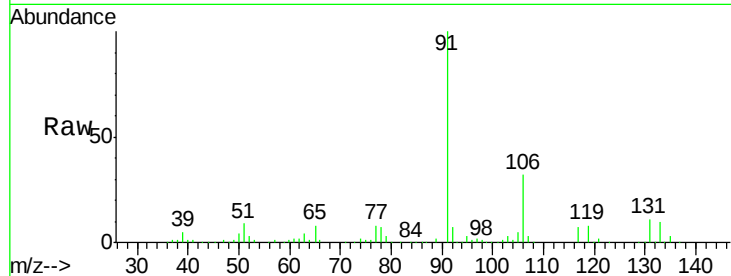




#67
Ethyl Benzene
Concen: 22.354 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

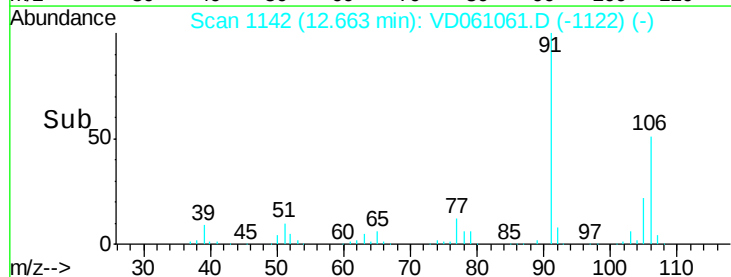
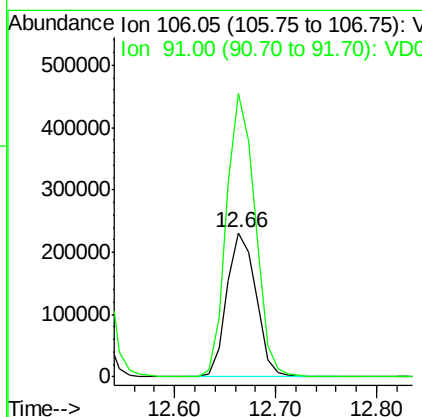
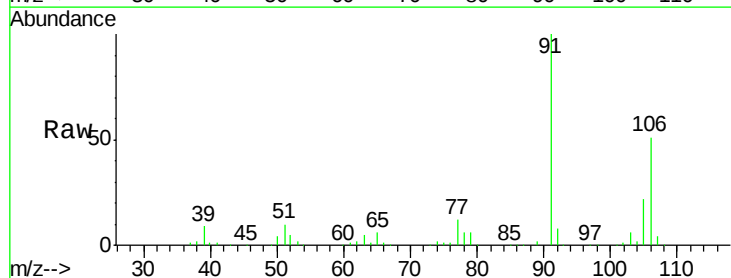
Instrument :
MSVOA_D
ClientSampleId :
VD0314SBSD01

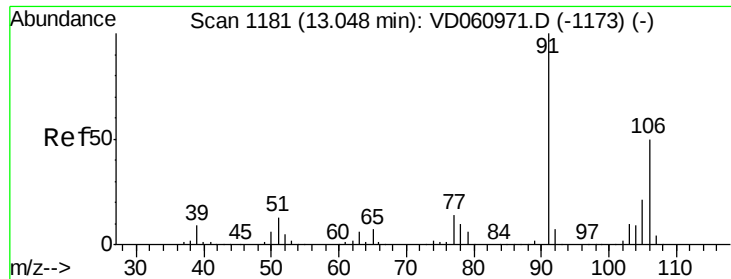
Tot Ion: 91 Resp: 643627
Ion Ratio Lower Upper
91 100
106 32.2 25.7 38.5



#68
m/p-Xylenes
Concen: 41.186 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion: 106 Resp: 465423
Ion Ratio Lower Upper
106 100
91 196.0 152.0 228.0

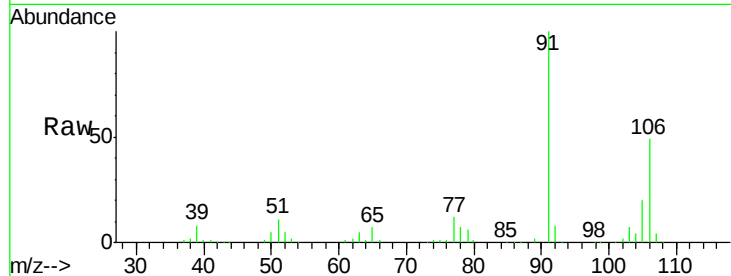




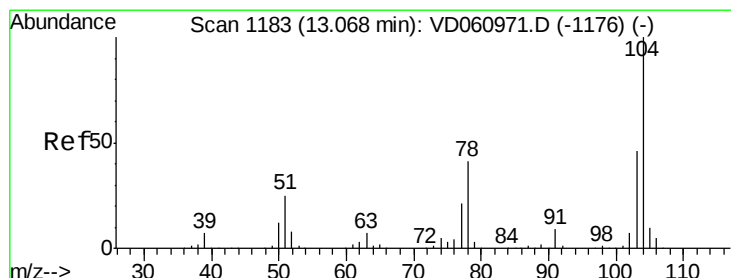
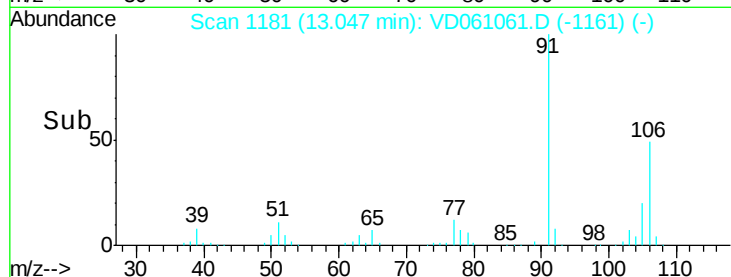
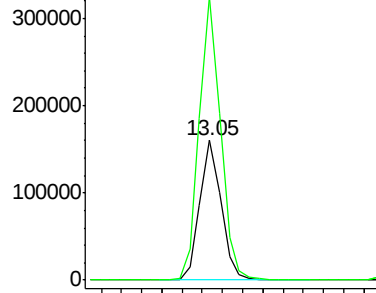
#69
o-Xylene
Concen: 21.140 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0314SBSD01

Tot Ion:106 Resp: 234824
Ion Ratio Lower Upper
106 100
91 202.4 99.8 299.3

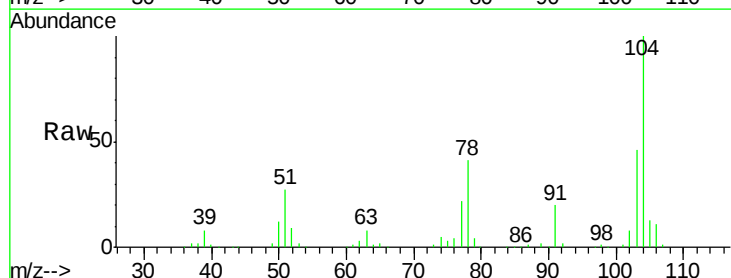


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

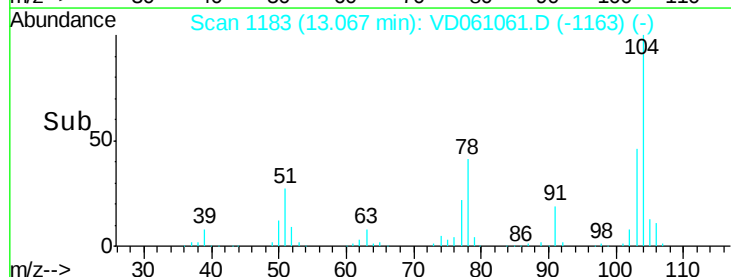
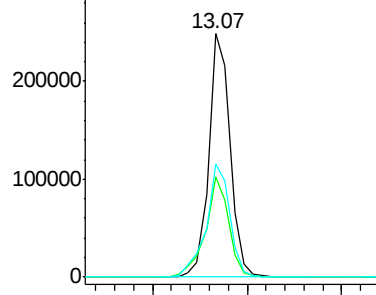


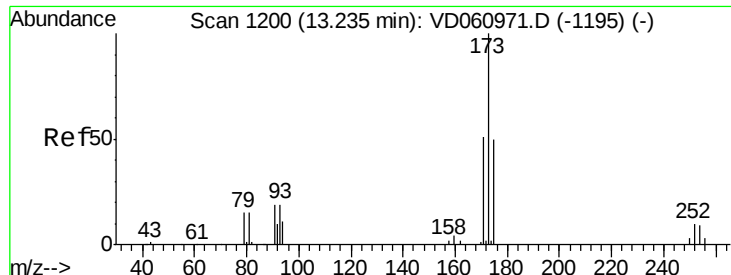
#70
Styrene
Concen: 21.302 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion:104 Resp: 386384
Ion Ratio Lower Upper
104 100
78 41.1 33.0 49.4
103 46.2 37.1 55.7



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: 20.649 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

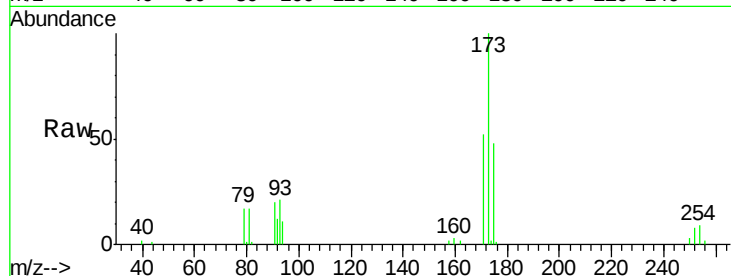
Tot Ion:173 Resp: 91830

Ion Ratio Lower Upper

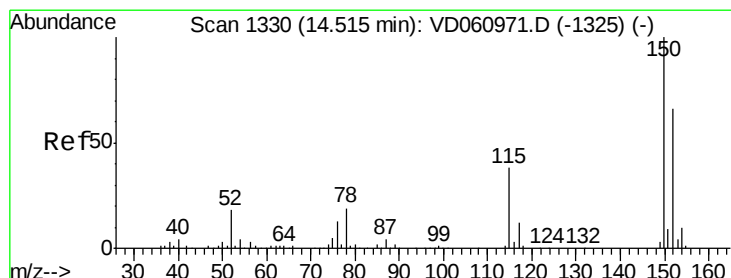
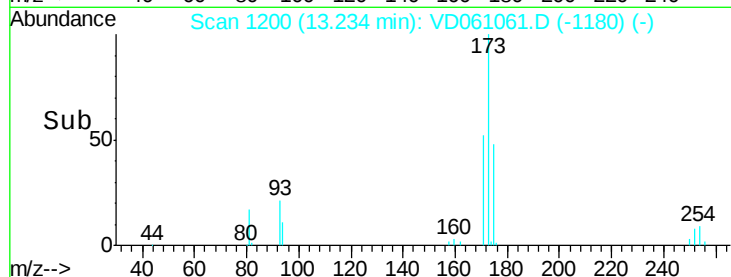
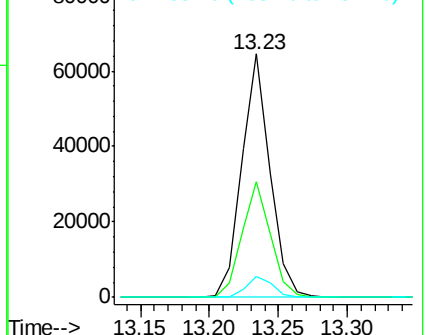
173 100

175 47.6 24.9 74.8

254 8.7 7.3 10.9



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: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

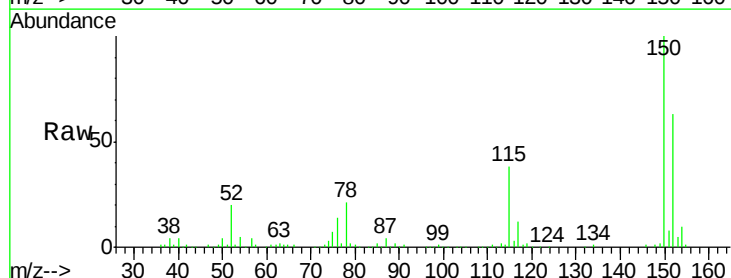
Tgt Ion:152 Resp: 417831

Ion Ratio Lower Upper

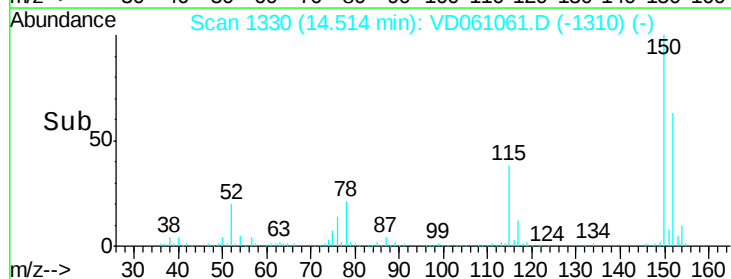
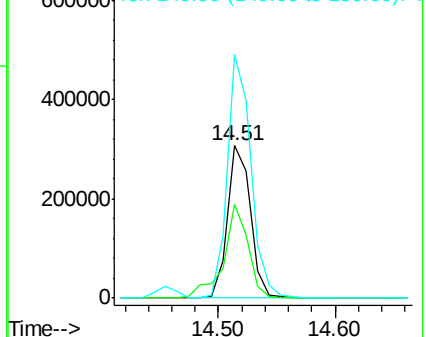
152 100

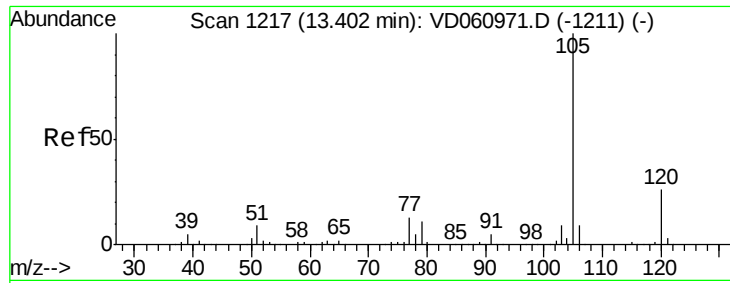
115 61.5 28.6 85.9

150 159.8 0.0 310.6



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

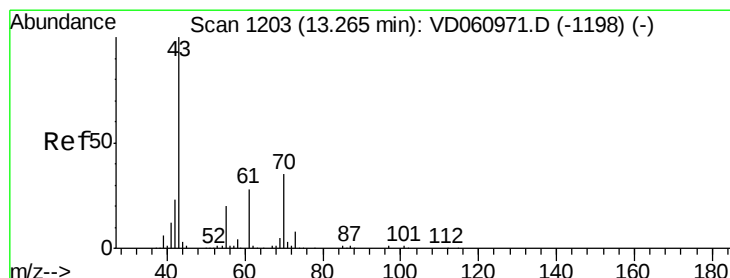
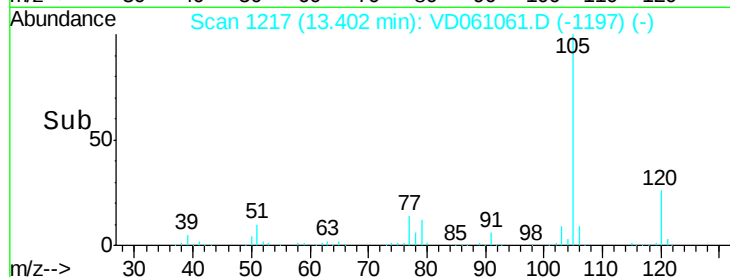
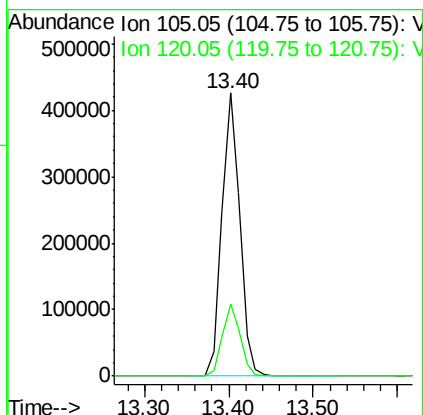
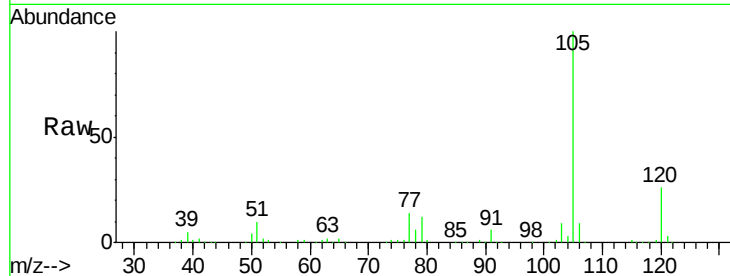




#73
Isopropylbenzene
Concen: 20.829 ug/l
RT: 13.40 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

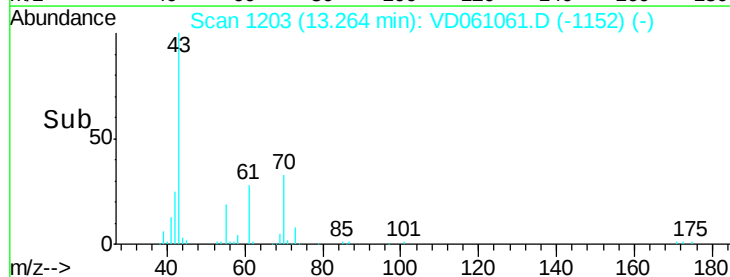
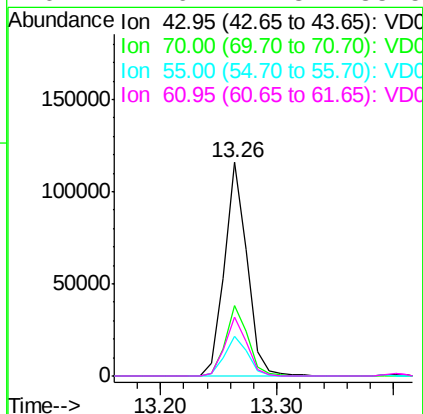
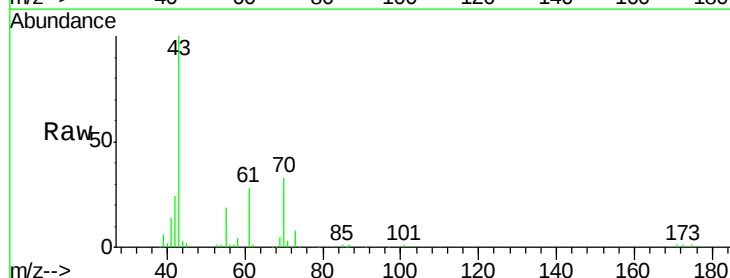
Instrument :
MSVOA_D
ClientSampleId :
VD0314SBSD01

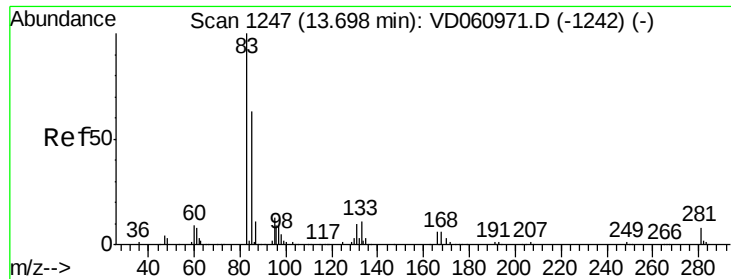
Tot Ion:105 Resp: 627192
Ion Ratio Lower Upper
105 100
120 25.7 12.8 38.4



#74
N-ethyl acetate
Concen: 18.298 ug/l
RT: 13.26 min Scan# 1203
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion: 43 Resp: 155144
Ion Ratio Lower Upper
43 100
70 33.1 27.7 41.5
55 18.7 16.2 24.2
61 27.6 22.3 33.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.448 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBSD01

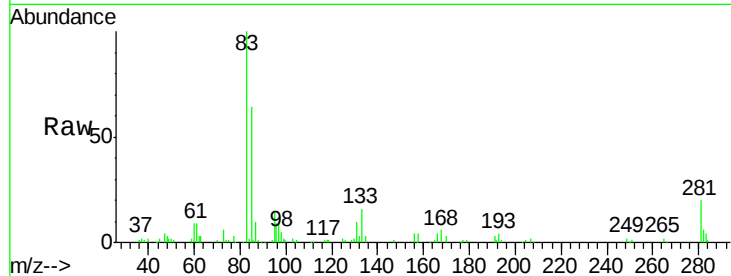
Tot Ion: 83 Resp: 114259

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.3

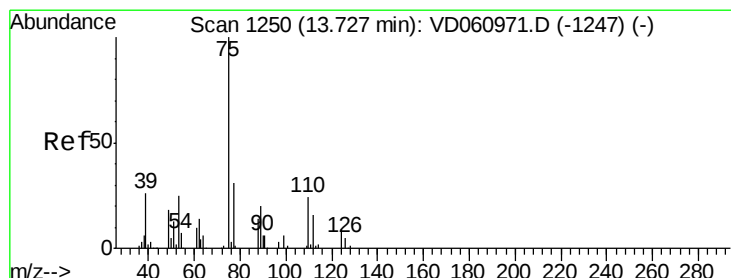
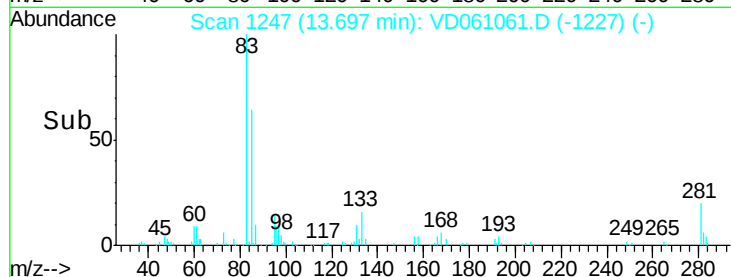
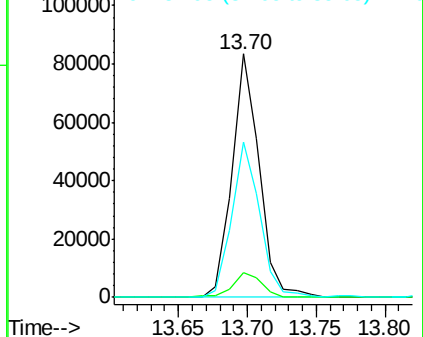
85 63.8 31.5 94.5



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: 18.617 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061061.D

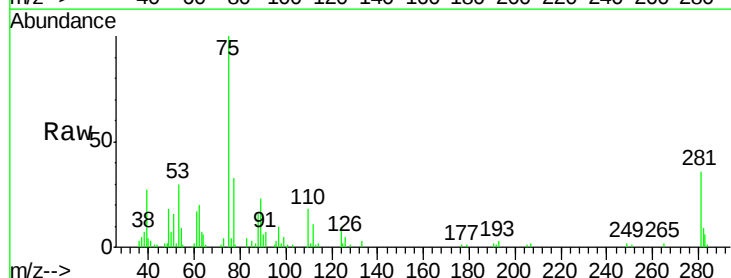
Acq: 14 Mar 2019 13:35

Tgt Ion: 75 Resp: 111913

Ion Ratio Lower Upper

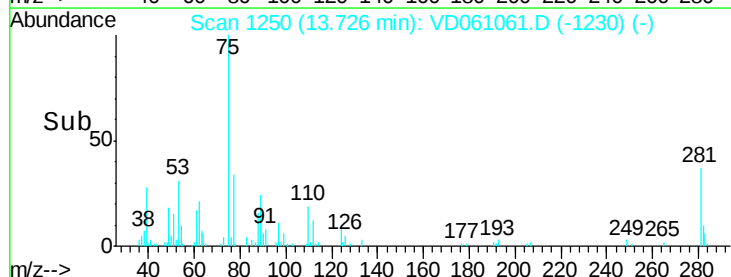
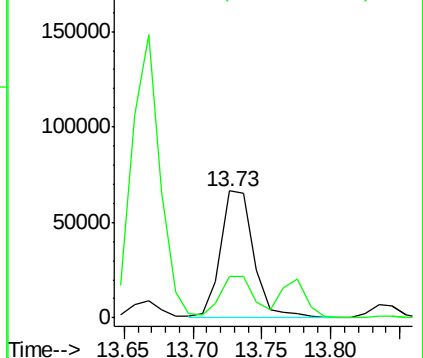
75 100

77 32.6 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.200 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBSD01

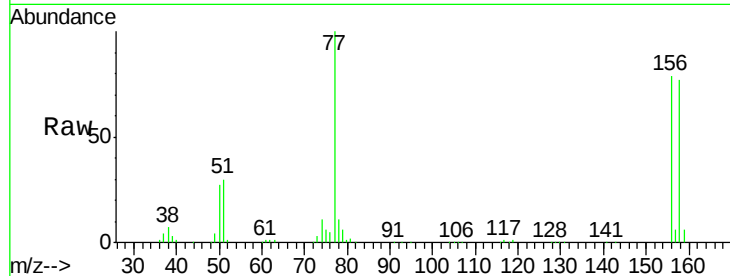
Tot Ion:156 Resp: 162961

Ion Ratio Lower Upper

156 100

77 126.5 55.5 166.7

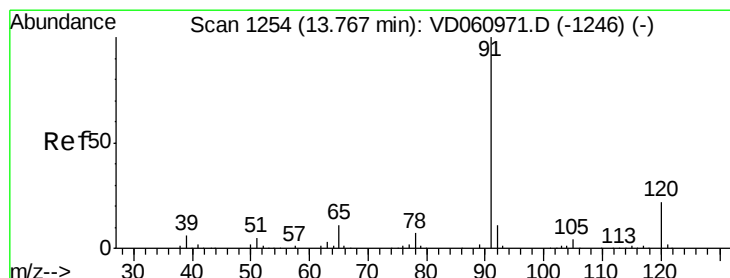
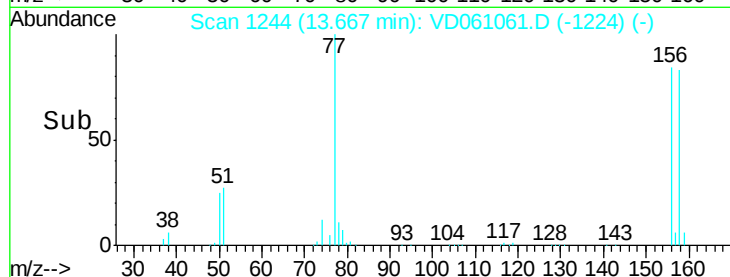
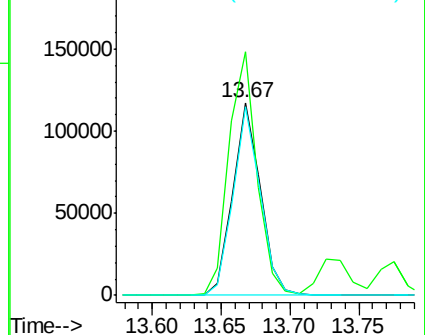
158 98.0 49.0 147.0



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: 21.103 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061061.D

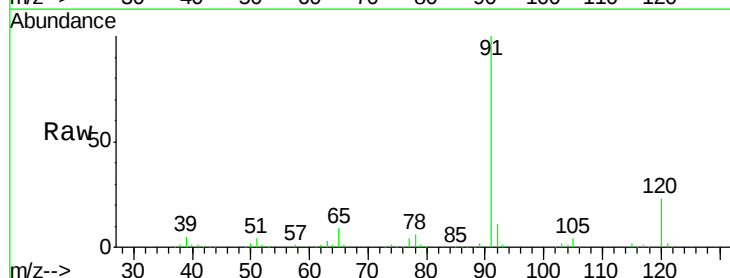
Acq: 14 Mar 2019 13:35

Tgt Ion: 91 Resp: 743938

Ion Ratio Lower Upper

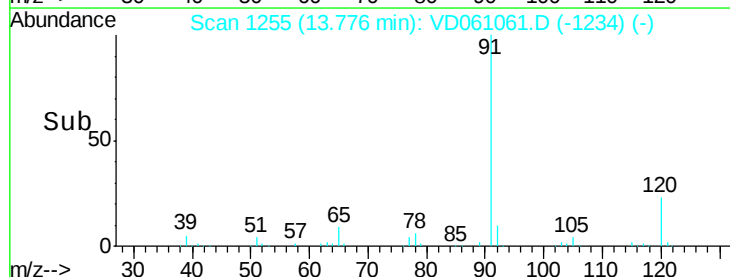
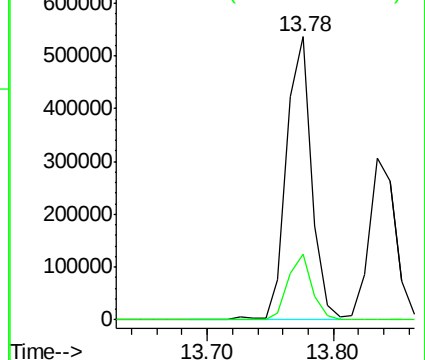
91 100

120 23.2 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.752 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

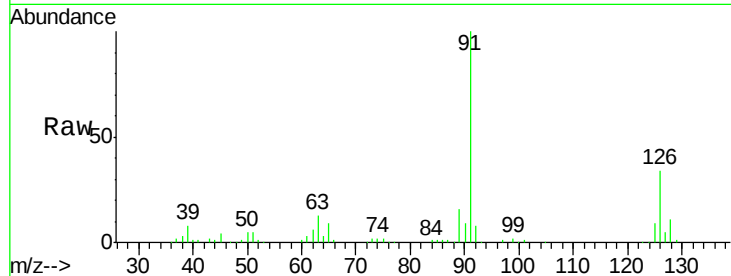
VD0314SBSD01

Tot Ion: 91 Resp: 441572

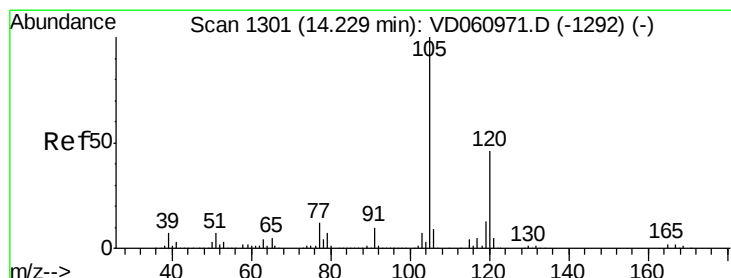
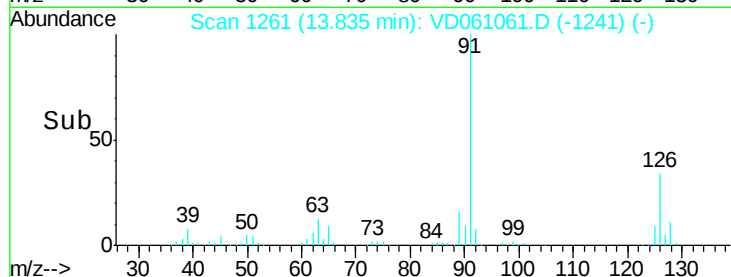
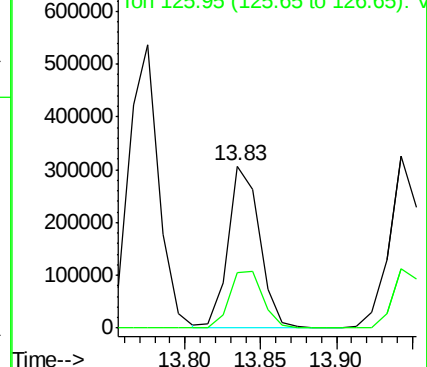
Ion Ratio Lower Upper

91 100

126 34.5 18.6 55.6



Abundance Ion 91.00 (90.70 to 91.70): VD060971.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.964 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD061061.D

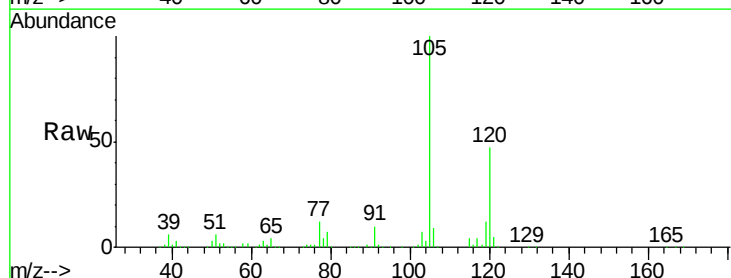
Acq: 14 Mar 2019 13:35

Tgt Ion: 105 Resp: 479249

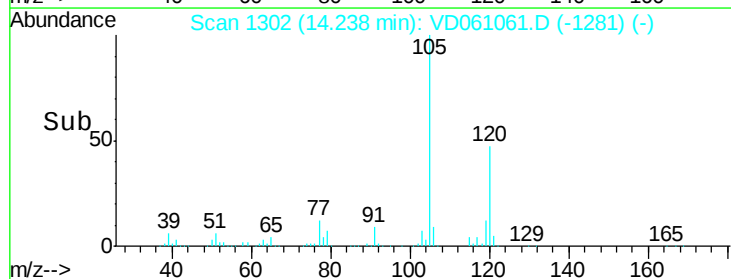
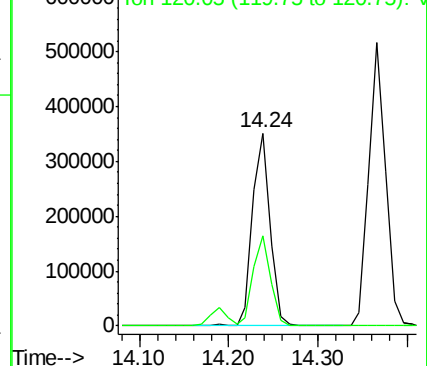
Ion Ratio Lower Upper

105 100

120 46.7 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): VD060971.D (-1292) (-)

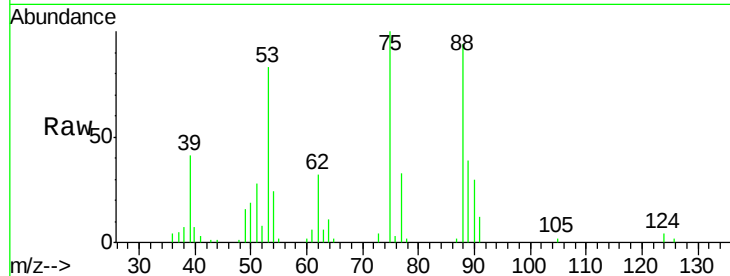




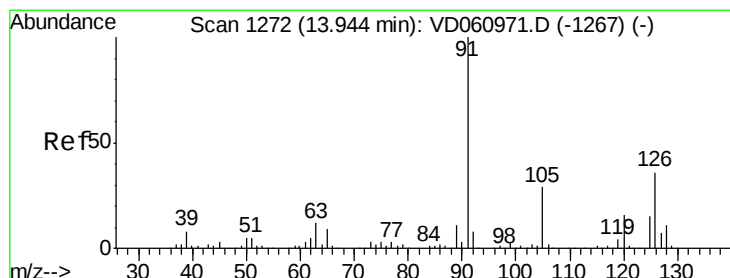
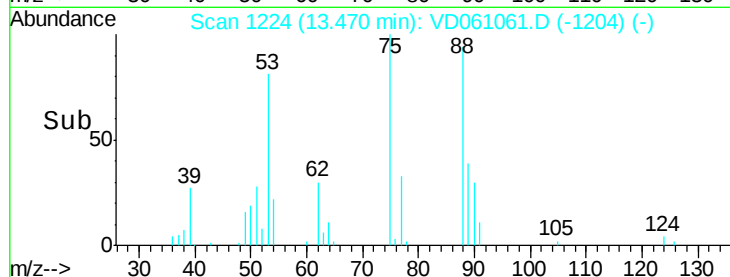
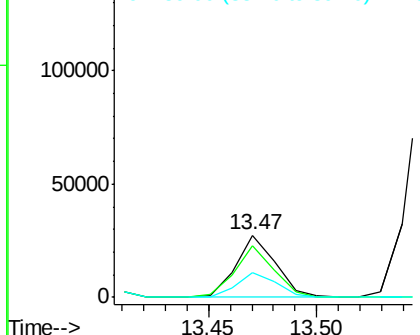
#81
trans-1,4-Dichloro-2-butene
Concen: 19.678 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0314SBSD01

Tot Ion: 75 Resp: 34874
Ion Ratio Lower Upper
75 100
53 82.7 64.4 96.6
89 39.4 34.8 52.2

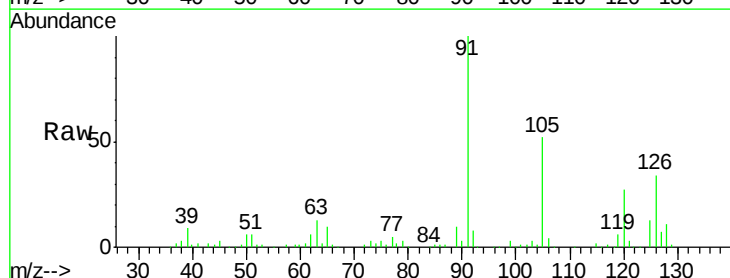


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

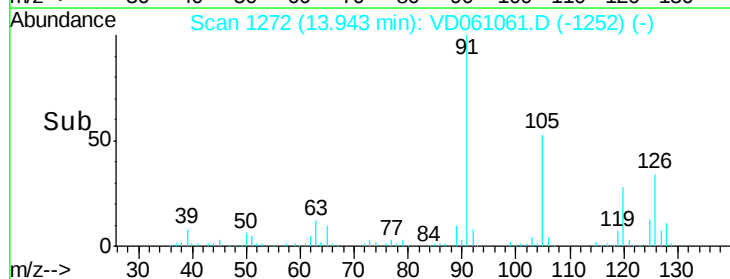
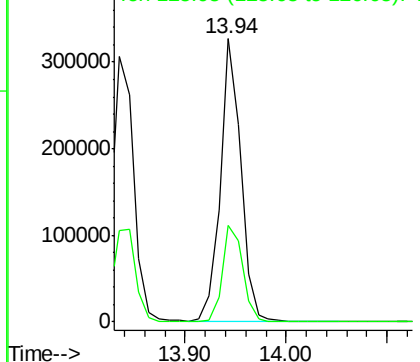


#82
4-Chlorotoluene
Concen: 20.142 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion: 91 Resp: 462135
Ion Ratio Lower Upper
91 100
126 34.0 18.0 54.0



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

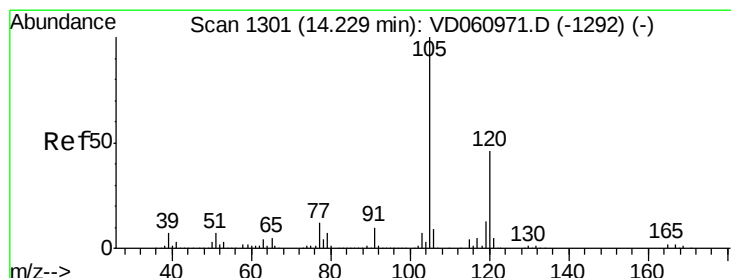
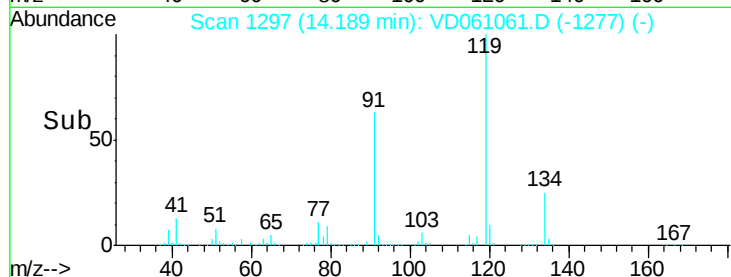
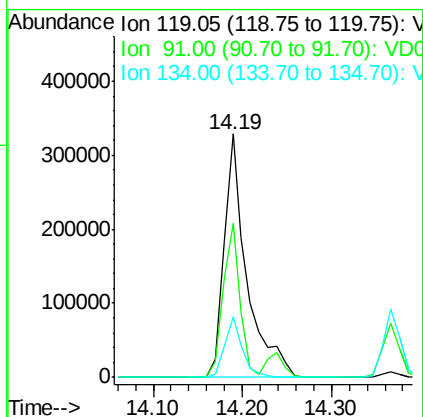
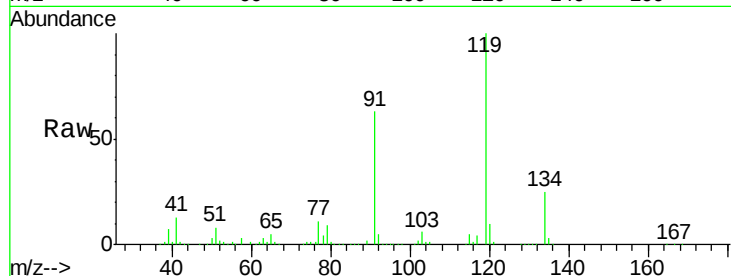




#83
tert-Butylbenzene
Concen: 23.465 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

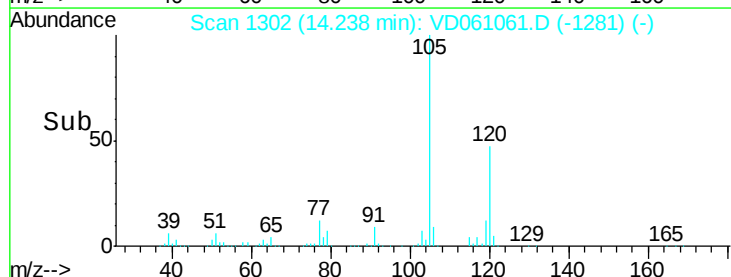
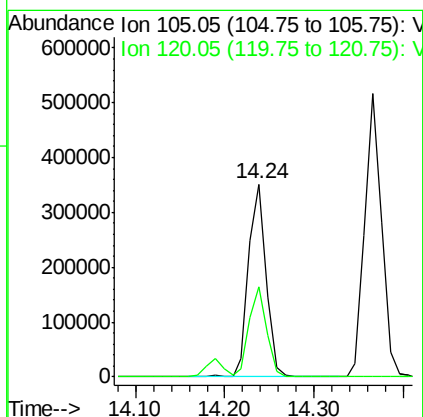
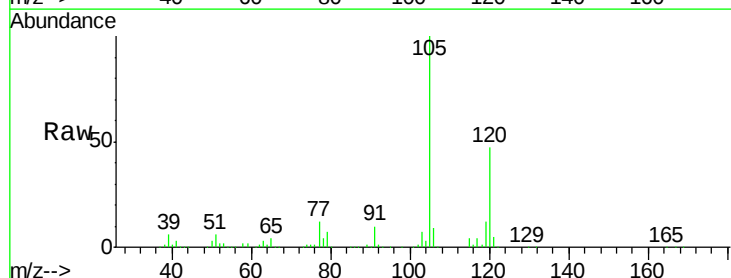
Instrument :
MSVOA_D
ClientSampleId :
VD0314SBSD01

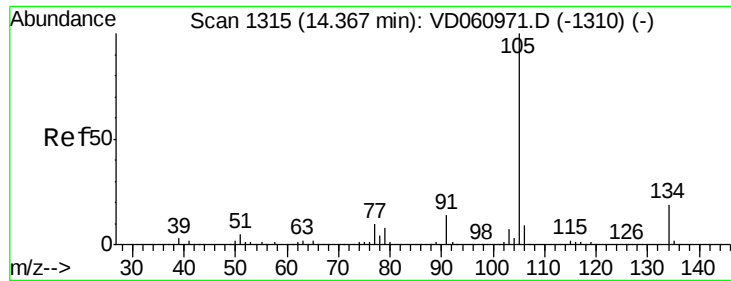
Tot Ion:119 Resp: 587029
Ion Ratio Lower Upper
119 100
91 63.2 30.1 90.3
134 24.7 11.6 34.7



#84
1,2,4-Trimethylbenzene
Concen: 20.964 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion:105 Resp: 479249
Ion Ratio Lower Upper
105 100
120 46.7 22.9 68.5

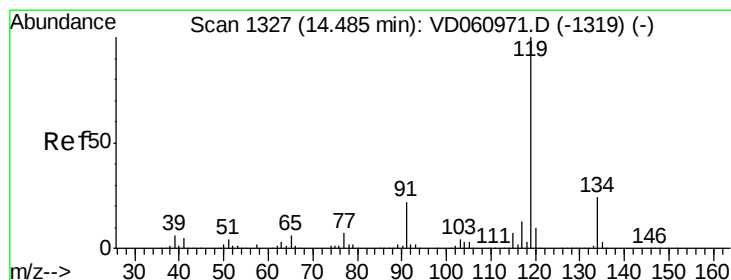
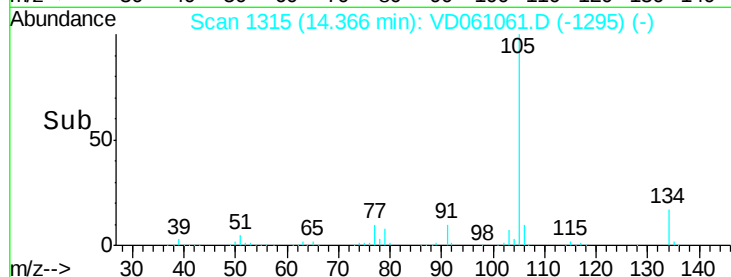
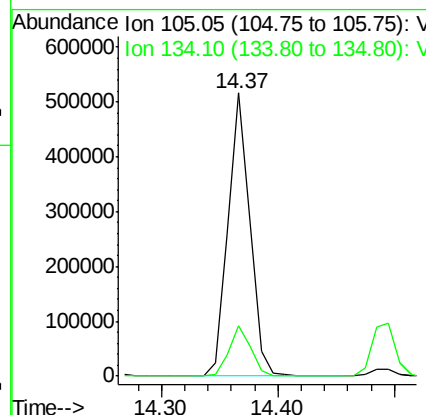
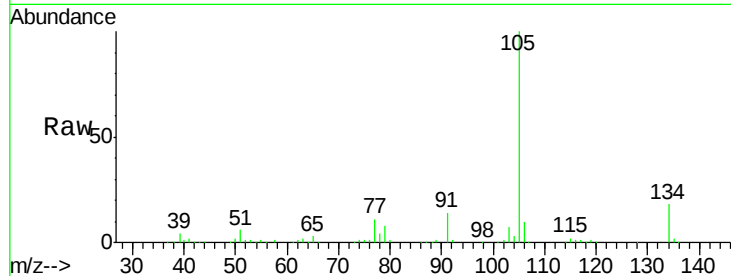




#85
 sec-Butylbenzene
 Concen: 21.942 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

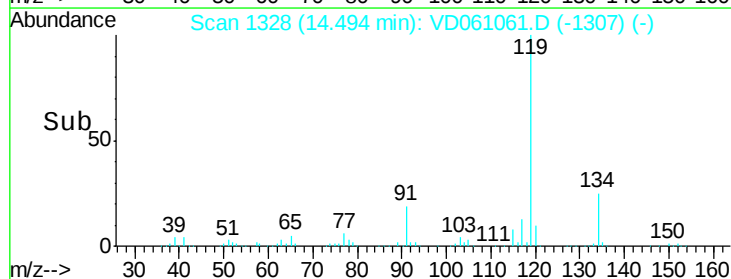
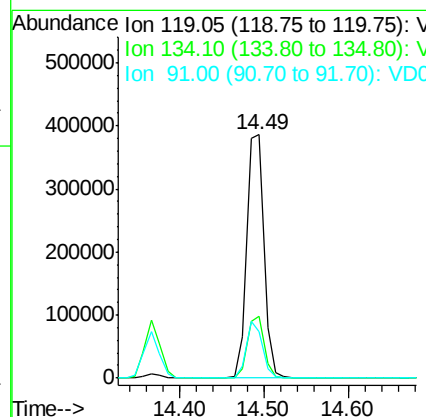
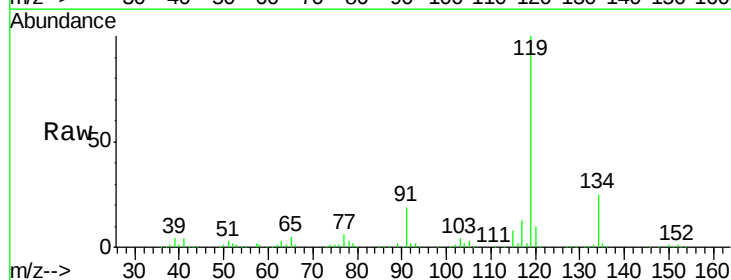
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBSD01

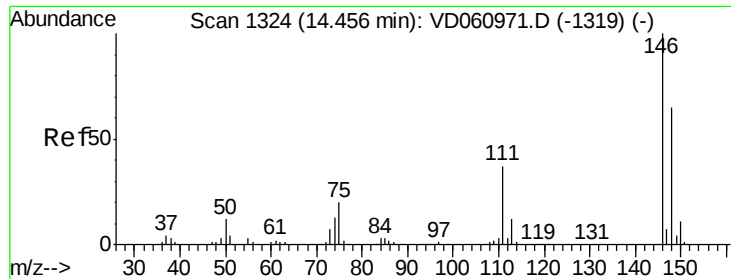
Tot Ion:105 Resp: 670139
 Ion Ratio Lower Upper
 105 100
 134 17.9 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 22.010 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Tgt Ion:119 Resp: 549468
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.0 36.1
 91 19.2 11.2 33.6

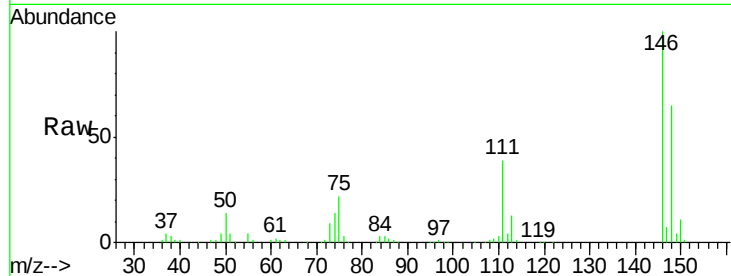




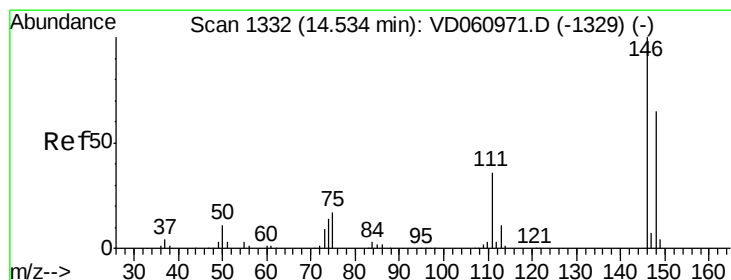
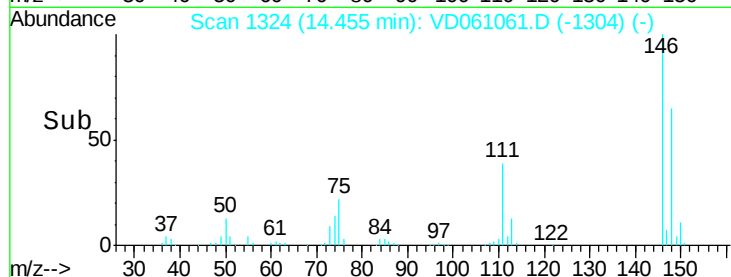
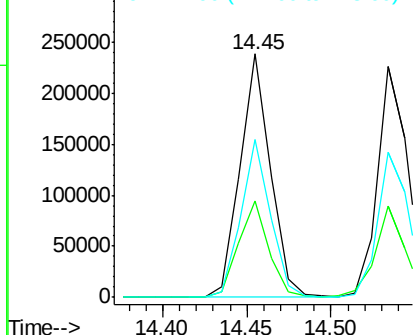
#87
 1,3-Dichlorobenzene
 Concen: 21.729 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBSD01

Tot Ion:146 Resp: 298248
 Ion Ratio Lower Upper
 146 100
 111 39.4 18.4 55.4
 148 64.8 32.5 97.4

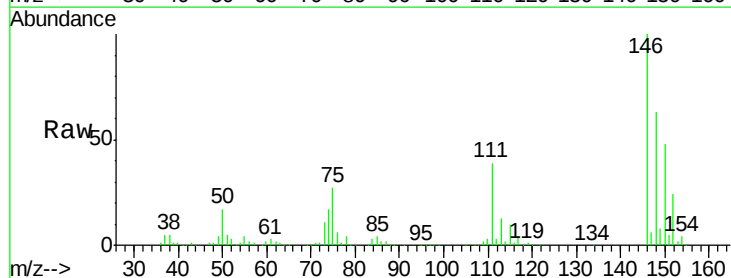


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

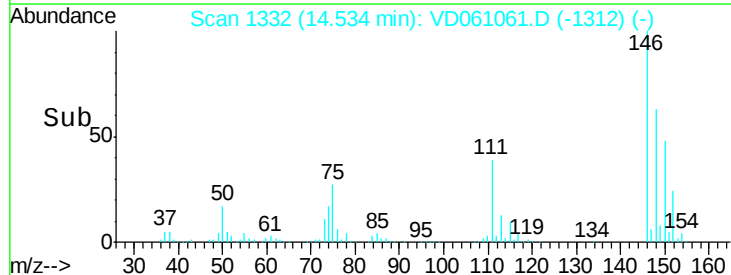
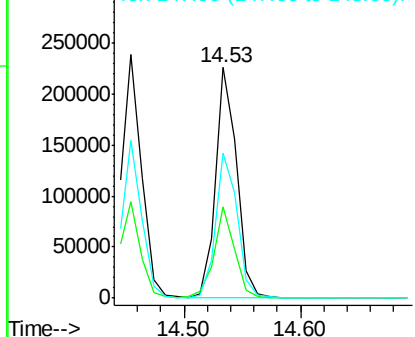


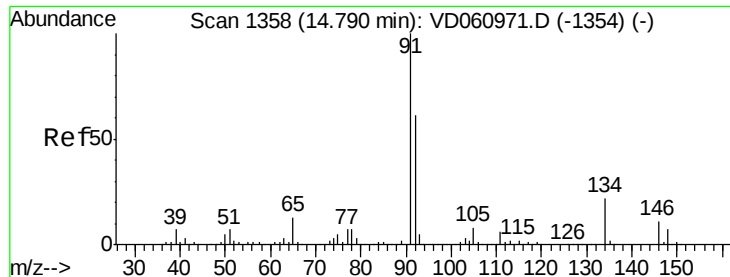
#88
 1,4-Dichlorobenzene
 Concen: 20.963 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Tgt Ion:146 Resp: 282750
 Ion Ratio Lower Upper
 146 100
 111 39.5 18.4 55.2
 148 62.7 32.5 97.5



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





#89

n-Butylbenzene

Concen: 20.437 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061061.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

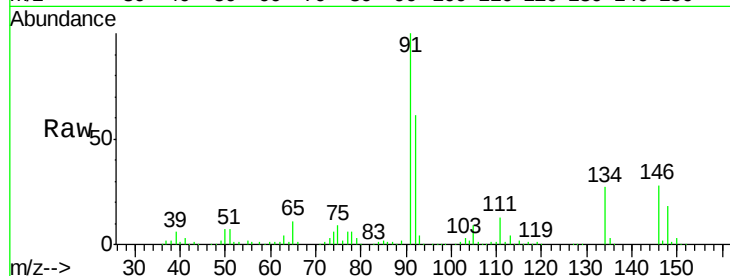
Tot Ion: 91 Resp: 489965

Ion Ratio Lower Upper

91 100

92 61.0 30.6 91.8

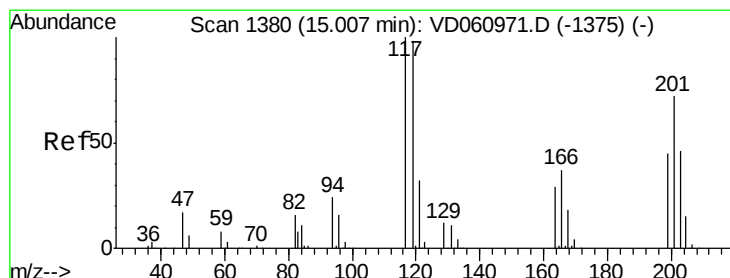
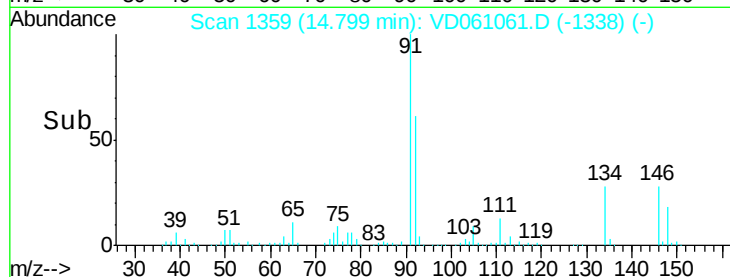
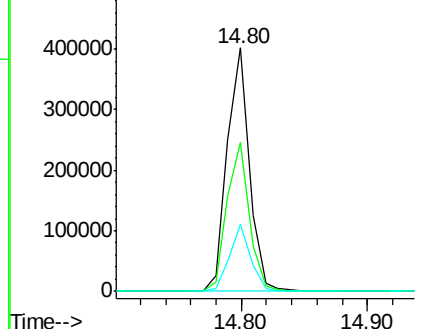
134 27.5 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 20.782 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD061061.D

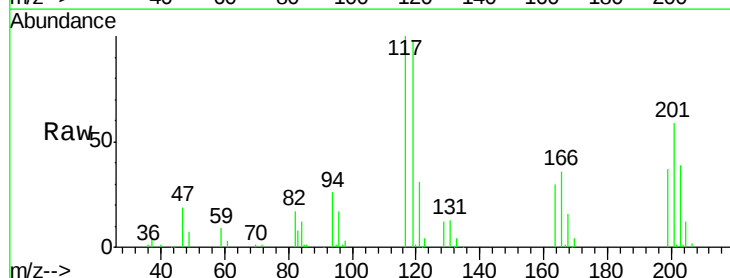
Acq: 14 Mar 2019 13:35

Tgt Ion: 117 Resp: 146500

Ion Ratio Lower Upper

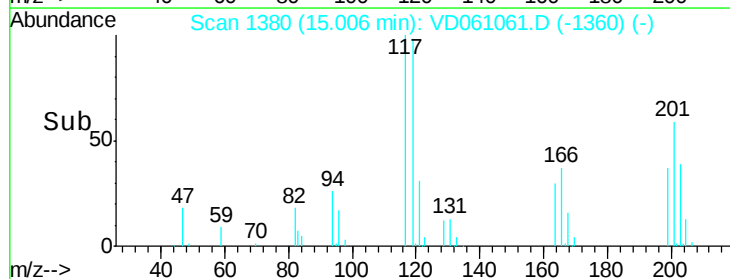
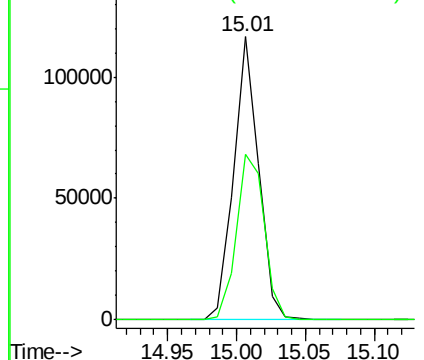
117 100

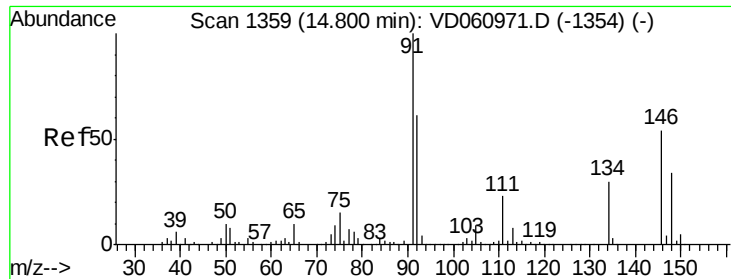
201 58.6 36.2 108.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

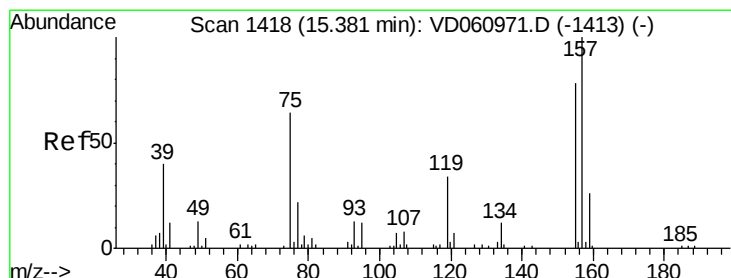
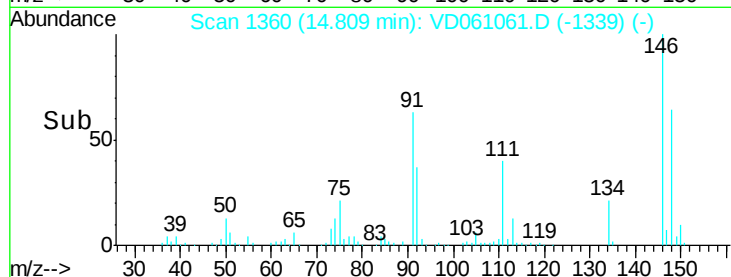
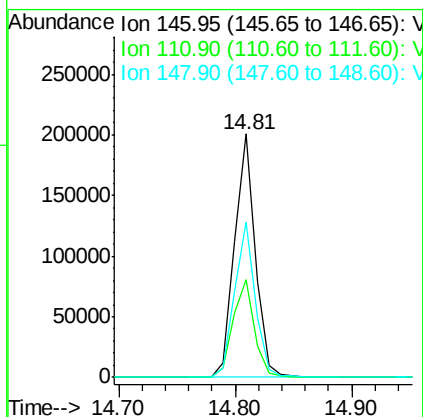
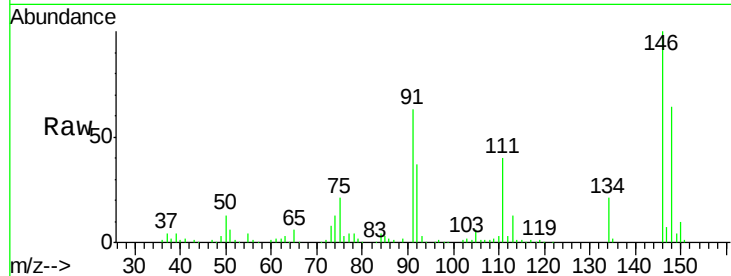




#91
 1,2-Dichlorobenzene
 Concen: 21.599 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

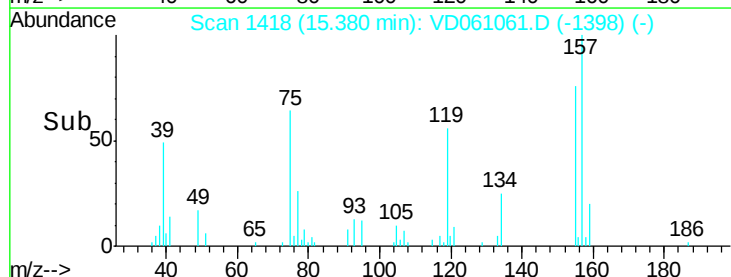
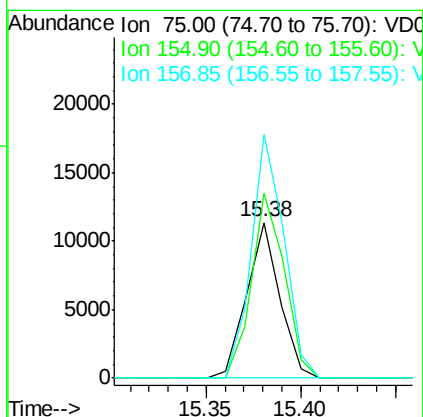
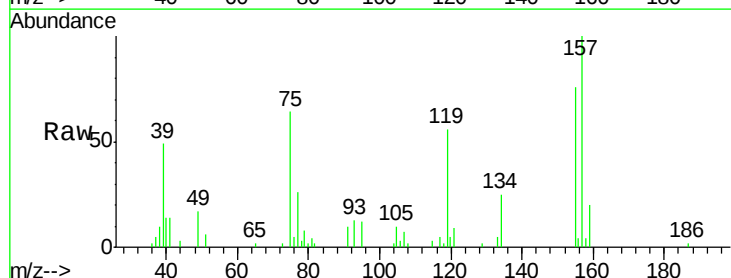
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBSD01

Tot Ion:146 Resp: 247150
 Ion Ratio Lower Upper
 146 100
 111 40.3 21.5 64.5
 148 63.9 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.348 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Tgt Ion: 75 Resp: 13698
 Ion Ratio Lower Upper
 75 100
 155 119.0 61.2 183.5
 157 156.8 78.3 234.8

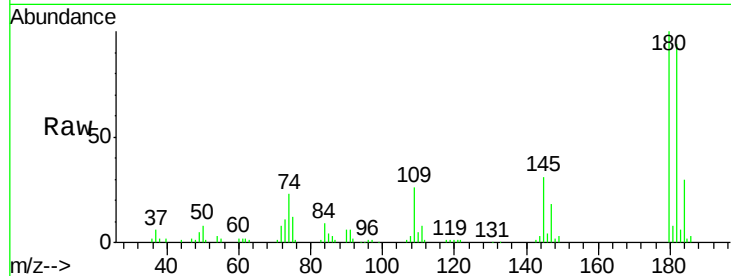




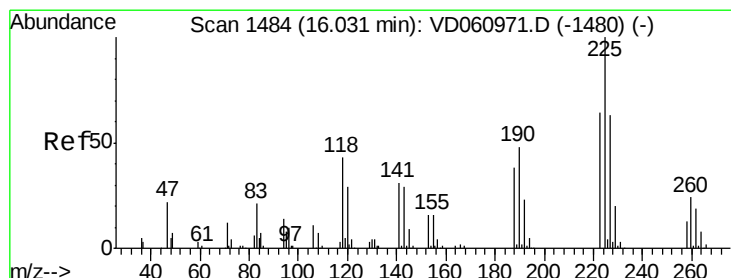
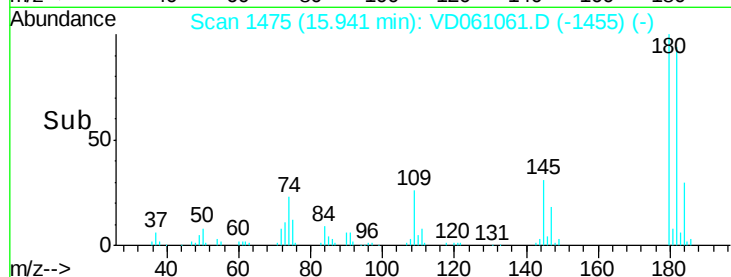
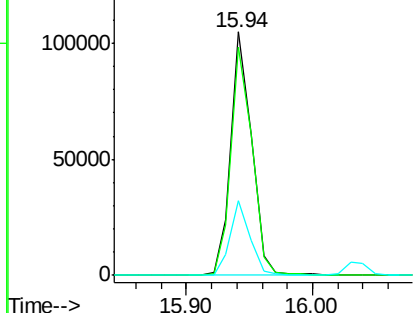
#93
 1,2,4-Trichlorobenzene
 Concen: 22.560 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBSD01

Tot Ion:180 Resp: 119752
 Ion Ratio Lower Upper
 180 100
 182 93.7 47.3 142.0
 145 30.9 14.4 43.0

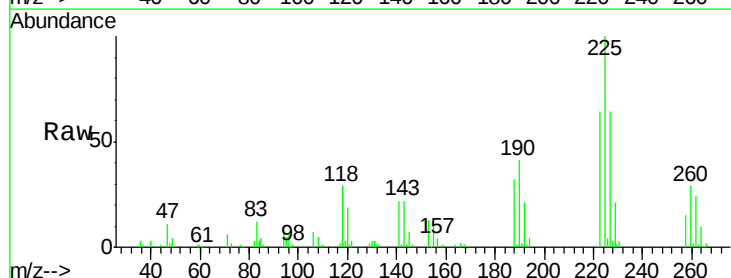


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

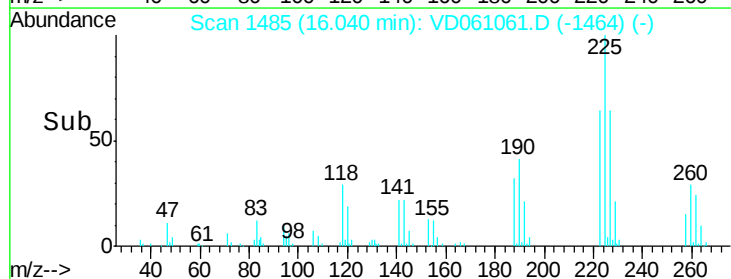
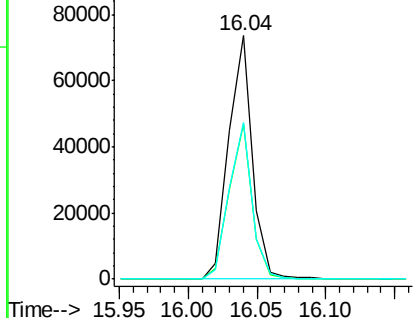


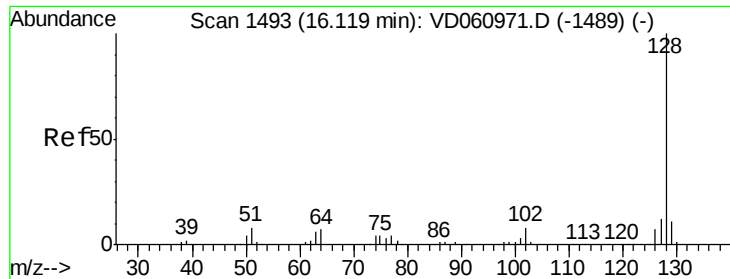
#94
 Hexachlorobutadiene
 Concen: 21.845 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061061.D
 Acq: 14 Mar 2019 13:35

Tgt Ion:225 Resp: 87708
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.8 95.3
 227 64.2 31.4 94.0



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

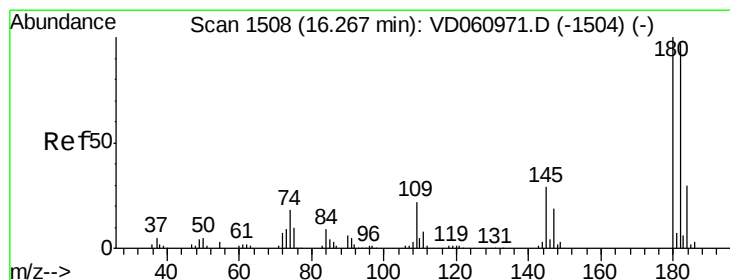
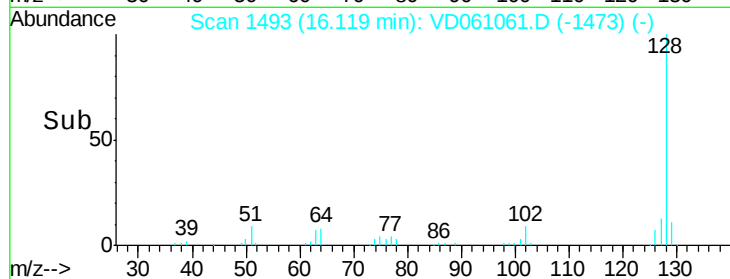
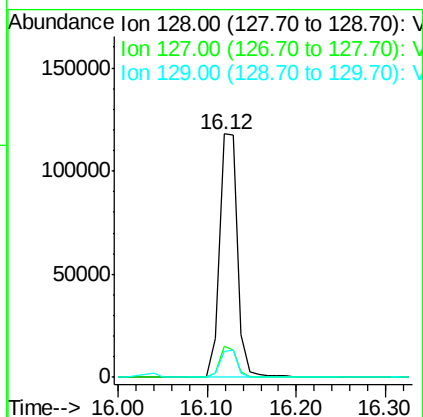
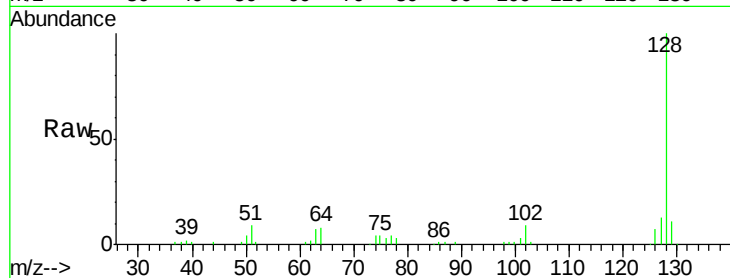




#95
Naphthalene
Concen: 20.750 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0314SBSD01

Tot Ion:128 Resp: 167382
Ion Ratio Lower Upper
128 100
127 12.9 9.8 14.8
129 10.7 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 22.102 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061061.D
Acq: 14 Mar 2019 13:35

Tgt Ion:180 Resp: 57947
Ion Ratio Lower Upper
180 100
182 95.3 48.6 145.8
145 33.8 14.3 42.9

