

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091418\
 Data File : VD060003.D
 Acq On : 14 Sep 2018 11:57
 Operator : JC/SY
 Sample : VD0914SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS01

Quant Time: Sep 14 13:28:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1533214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2137265	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1749918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	920924	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	659114	55.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.26%	
35) Dibromofluoromethane	6.30	113	891576	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
50) Toluene-d8	9.43	98	2439534	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
62) 4-Bromofluorobenzene	12.42	95	939266	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	311508	19.25	ug/l	99
3) Chloromethane	1.74	50	318552	22.28	ug/l	96
4) Vinyl Chloride	1.84	62	241429	21.01	ug/l	95
5) Bromomethane	2.12	94	22382	16.45	ug/l	98
6) Chloroethane	2.22	64	56229	21.88	ug/l	96
7) Trichlorofluoromethane	2.48	101	270490	21.38	ug/l	100
8) Diethyl Ether	2.80	74	55759	20.73	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.06	101	174129	21.82	ug/l	98
10) Methyl Iodide	3.22	142	155707	18.43	ug/l	92
11) Tert butyl alcohol	3.95	59	87080	90.26	ug/l	98
12) 1,1-Dichloroethene	3.05	96	140615	22.29	ug/l	98
13) Acrolein	2.96	56	63546	106.36	ug/l	100
14) Allyl chloride	3.51	41	284157	21.36	ug/l	98
15) Acrylonitrile	4.06	53	364791	100.17	ug/l	98
16) Acetone	3.14	43	281469	121.93	ug/l	96
17) Carbon Disulfide	3.28	76	462107	21.26	ug/l	99
18) Methyl Acetate	3.53	43	92284	19.66	ug/l	96
19) Methyl tert-butyl Ether	4.10	73	597354	20.49	ug/l	99
20) Methylene Chloride	3.69	84	413898	21.02	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	334055	20.18	ug/l	97
22) Diisopropyl ether	4.83	45	1262962	20.81	ug/l	98
23) Vinyl Acetate	4.78	43	3685531	107.20	ug/l	99
24) 1,1-Dichloroethane	4.73	63	561894	20.63	ug/l	100
25) 2-Butanone	5.60	43	697686	112.00	ug/l	99
26) 2,2-Dichloropropane	5.56	77	434510	20.52	ug/l	99
27) cis-1,2-Dichloroethene	5.57	96	347303	20.06	ug/l	99
28) Bromochloromethane	5.90	49	278603	21.28	ug/l	100
29) Tetrahydrofuran	5.93	42	337850	101.13	ug/l	99
30) Chloroform	6.08	83	578388	20.94	ug/l	98
31) Cyclohexane	6.34	56	542565	20.43	ug/l	97
32) 1,1,1-Trichloroethane	6.27	97	478238	20.88	ug/l	99
36) 1,1-Dichloropropene	6.50	75	431818	20.34	ug/l	98
37) Ethyl Acetate	5.67	43	287541	19.70	ug/l	98
38) Carbon Tetrachloride	6.47	117	401944	20.28	ug/l	99

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 Data File : VD060003.D
 Acq On : 14 Sep 2018 11:57
 Operator : JC/SY
 Sample : VD0914SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS01

Quant Time: Sep 14 13:28:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	486879	20.27	ug/l	99
40) Benzene	6.77	78	1104673	20.41	ug/l	99
41) Methacrylonitrile	5.92	41	339910	44.45	ug/l #	88
42) 1,2-Dichloroethane	6.88	62	322245	19.83	ug/l	100
43) Isopropyl Acetate	8.33	43	382780	19.58	ug/l #	100
44) Trichloroethene	7.72	130	332109	19.86	ug/l	95
45) 1,2-Dichloropropane	8.09	63	286977	19.83	ug/l	98
46) Dibromomethane	8.19	93	186553	19.76	ug/l	98
47) Bromodichloromethane	8.47	83	415670	20.42	ug/l	99
48) Methyl methacrylate	8.22	41	222057	20.40	ug/l	98
49) 1,4-Dioxane	8.21	88	42072	389.08	ug/l	98
51) 4-Methyl-2-Pentanone	9.33	43	1547507	108.33	ug/l	99
52) Toluene	9.53	92	715834	20.64	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	382105	20.13	ug/l	97
54) cis-1,3-Dichloropropene	9.08	75	456564	20.13	ug/l	97
55) 1,1,2-Trichloroethane	10.16	97	232311	19.29	ug/l	97
56) Ethyl methacrylate	10.01	69	262550	19.66	ug/l	96
57) 1,3-Dichloropropane	10.37	76	360986	20.31	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.90	63	697521	108.14	ug/l	96
59) 2-Hexanone	10.48	43	1120751	109.00	ug/l	100
60) Dibromochloromethane	10.62	129	295386	20.15	ug/l	99
61) 1,2-Dibromoethane	10.74	107	243563	19.59	ug/l	98
64) Tetrachloroethene	10.24	164	308667	19.99	ug/l	98
65) Chlorobenzene	11.30	112	790064	21.00	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	272766	21.50	ug/l	98
67) Ethyl Benzene	11.42	91	1360572	22.47	ug/l	99
68) m/p-Xylenes	11.56	106	997321	44.60	ug/l	96
69) o-Xylene	11.92	106	481578	21.74	ug/l	98
70) Styrene	11.94	104	811724	21.79	ug/l	97
71) Bromoform	12.11	173	207859	19.07	ug/l	97
73) Isopropylbenzene	12.27	105	1292236	21.40	ug/l	99
74) N-amyl acetate	12.12	43	494013	20.65	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.55	83	280593	20.48	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	285492	20.30	ug/l	99
77) Bromobenzene	12.53	156	366004	21.04	ug/l	98
78) n-propylbenzene	12.63	91	1706099	22.46	ug/l	100
79) 2-Chlorotoluene	12.70	91	906787	21.15	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	1022033	22.08	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	80007	18.84	ug/l	92
82) 4-Chlorotoluene	12.80	91	1036749	22.00	ug/l	99
83) tert-Butylbenzene	13.04	119	1150313	21.45	ug/l	91
84) 1,2,4-Trimethylbenzene	13.09	105	1069447	21.65	ug/l	99
85) sec-Butylbenzene	13.21	105	1294601	20.34	ug/l	100
86) p-Isopropyltoluene	13.33	119	1143308	22.20	ug/l	96
87) 1,3-Dichlorobenzene	13.30	146	658285	21.76	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	651396	21.23	ug/l	96
89) n-Butylbenzene	13.64	91	1172928	21.18	ug/l	96
90) Hexachloroethane	13.85	117	266042	20.86	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	568482	20.29	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	37107	17.76	ug/l	95

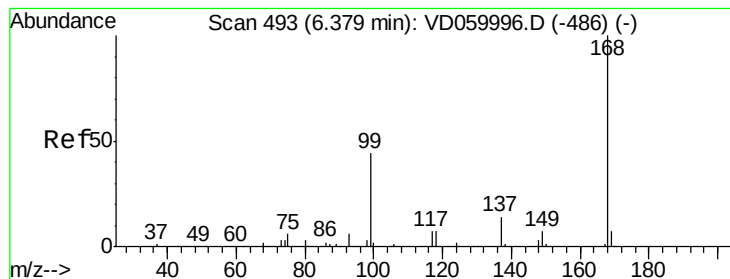
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091418\
Data File : VD060003.D
Acq On : 14 Sep 2018 11:57
Operator : JC/SY
Sample : VD0914SBS01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS01

Quant Time: Sep 14 13:28:06 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	459015	21.29	ug/l	99
94) Hexachlorobutadiene	14.88	225	307562	21.57	ug/l	99
95) Naphthalene	14.96	128	654288	19.65	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	388197	20.43	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

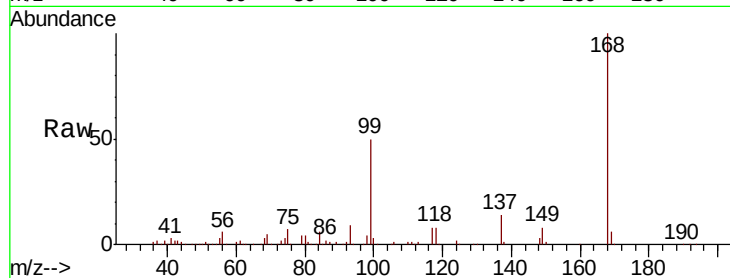
VD0914SBS01

Tot Ion:168 Resp: 1533214

Ion Ratio Lower Upper

168 100

99 50.3 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.38

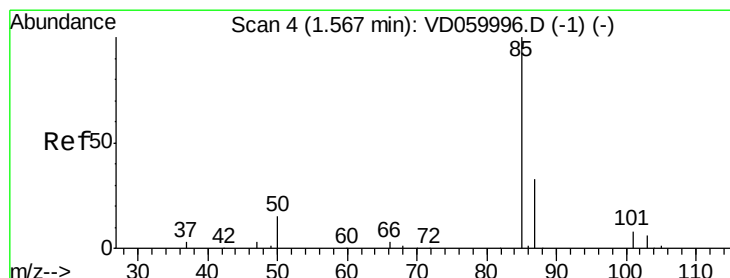
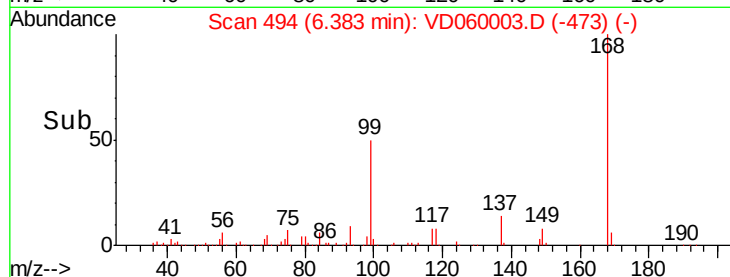
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.25 ug/l

RT: 1.57 min Scan# 5

Delta R.T. 0.00 min

Lab File: VD060003.D

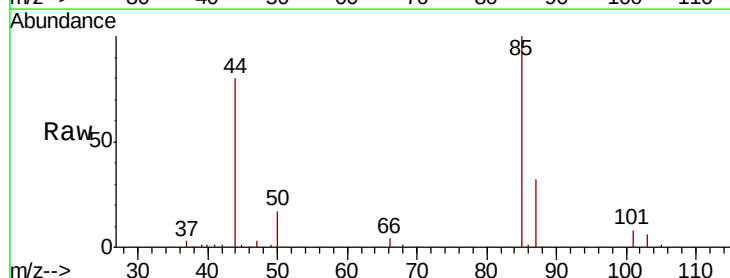
Acq: 14 Sep 2018 11:57

Tgt Ion: 85 Resp: 311508

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

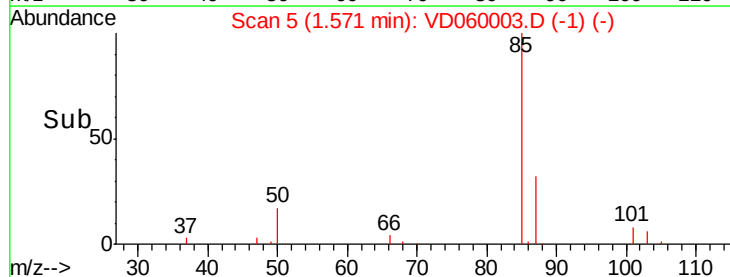
150000

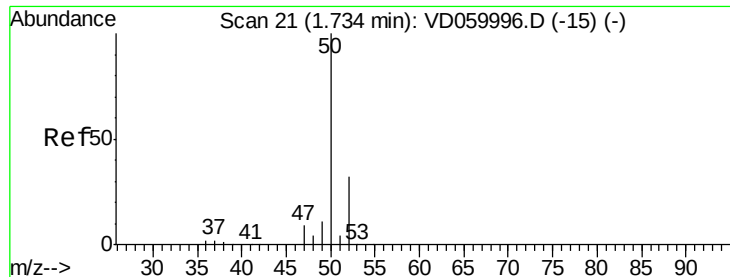
100000

50000

0

Time-->





#3

Chloromethane

Concen: 22.28 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.00 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

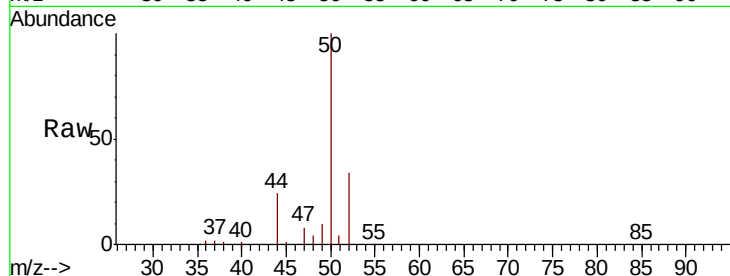
VD0914SBS01

Tot Ion: 50 Resp: 318552

Ion Ratio Lower Upper

50 100

52 33.9 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

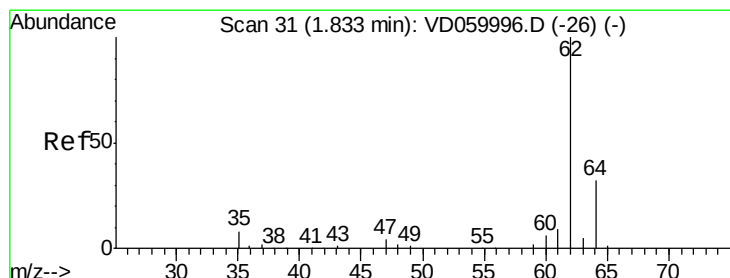
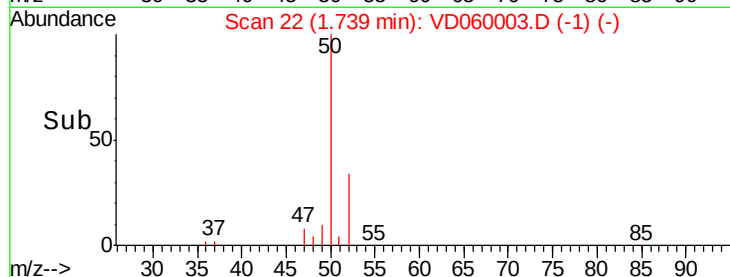
150000

100000

50000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 21.01 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD060003.D

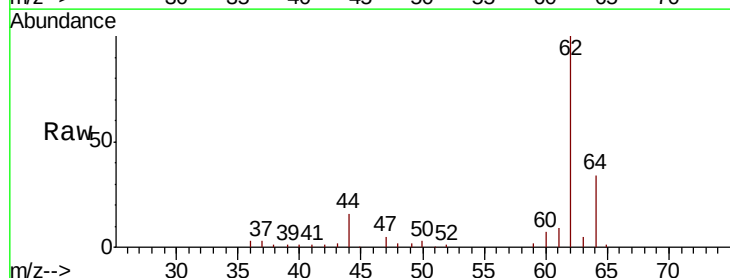
Acq: 14 Sep 2018 11:57

Tgt Ion: 62 Resp: 241429

Ion Ratio Lower Upper

62 100

64 34.4 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

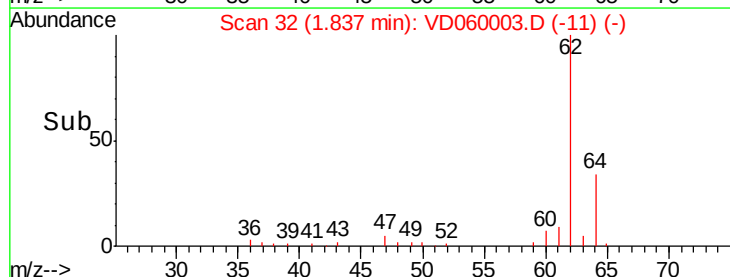
1.84

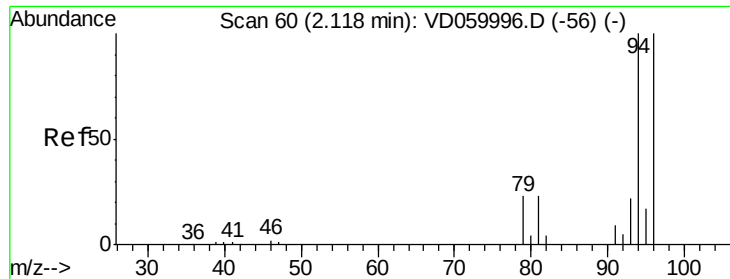
100000

50000

0

Time--> 1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 16.45 ug/l

RT: 2.12 min Scan# 61

Delta R.T. 0.00 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

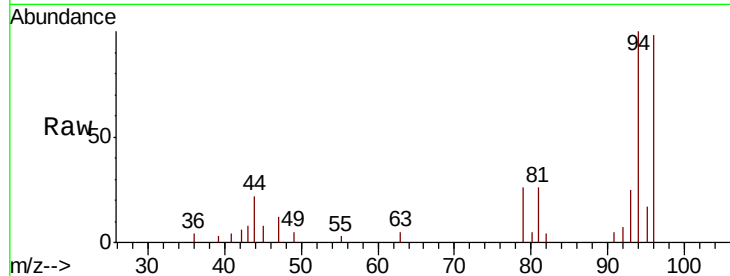
VD0914SBS01

Tot Ion: 94 Resp: 22382

Ion Ratio Lower Upper

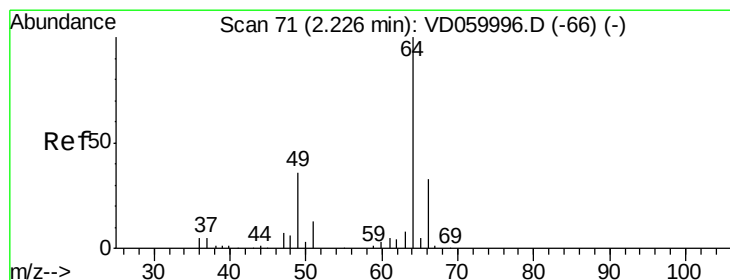
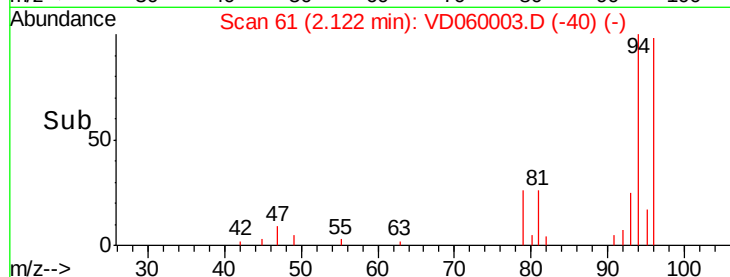
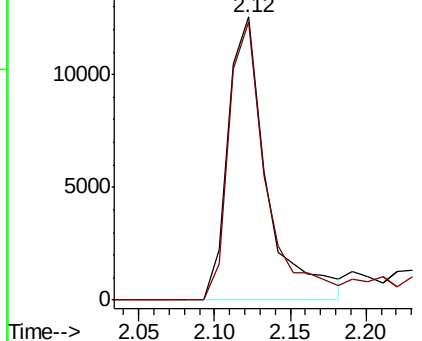
94 100

96 98.3 79.8 119.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.88 ug/l

RT: 2.22 min Scan# 71

Delta R.T. -0.01 min

Lab File: VD060003.D

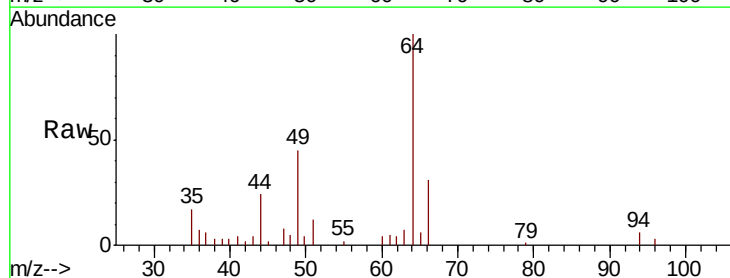
Acq: 14 Sep 2018 11:57

Tgt Ion: 64 Resp: 56229

Ion Ratio Lower Upper

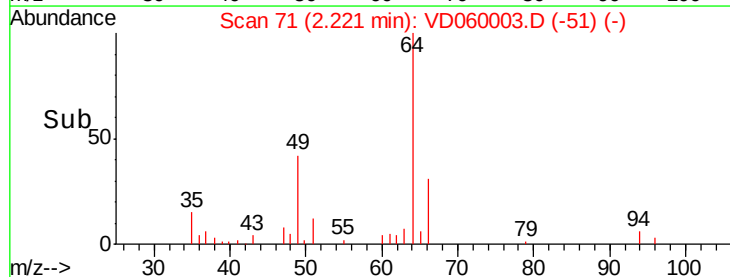
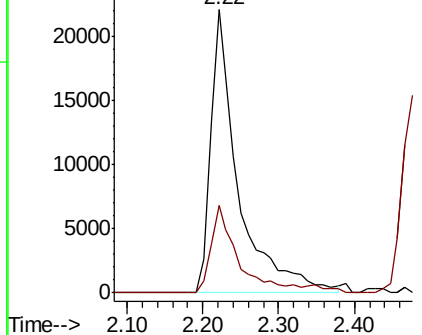
64 100

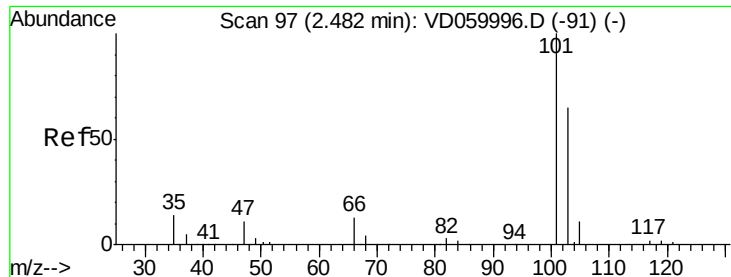
66 30.7 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 21.38 ug/l

RT: 2.48 min Scan# 97

Delta R.T. -0.01 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

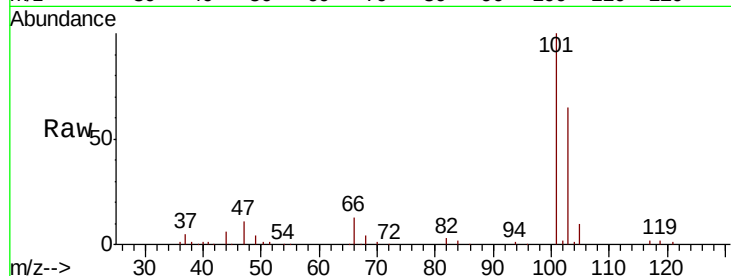
VD0914SBS01

Tot Ion:101 Resp: 270490

Ion Ratio Lower Upper

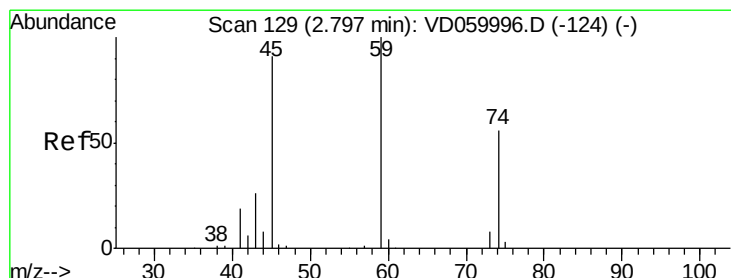
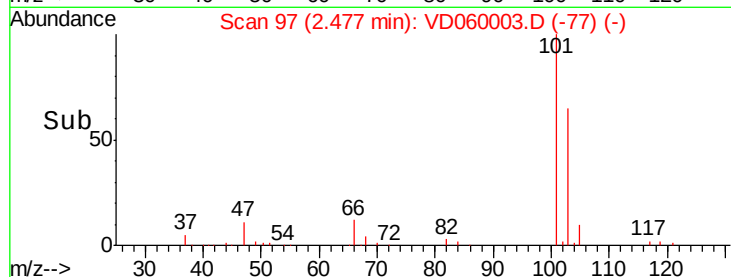
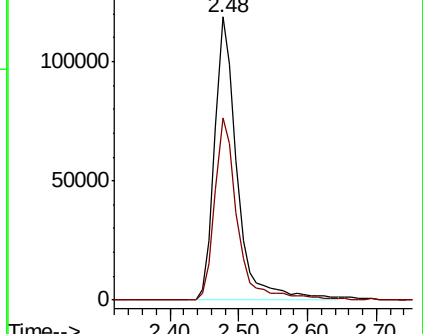
101 100

103 64.6 51.6 77.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 20.73 ug/l

RT: 2.80 min Scan# 130

Delta R.T. 0.00 min

Lab File: VD060003.D

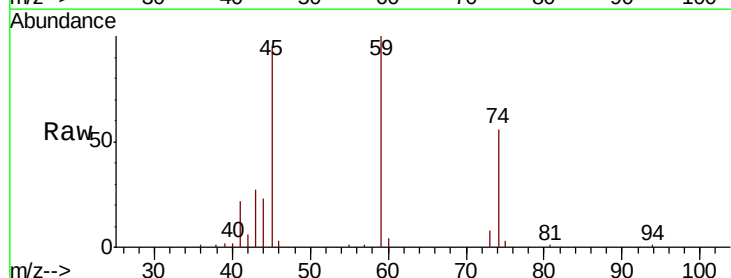
Acq: 14 Sep 2018 11:57

Tgt Ion: 74 Resp: 55759

Ion Ratio Lower Upper

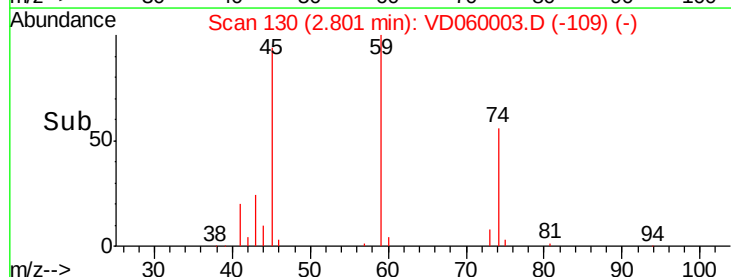
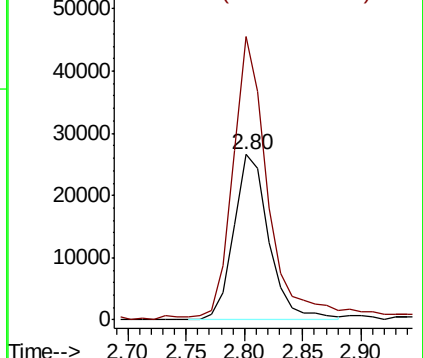
74 100

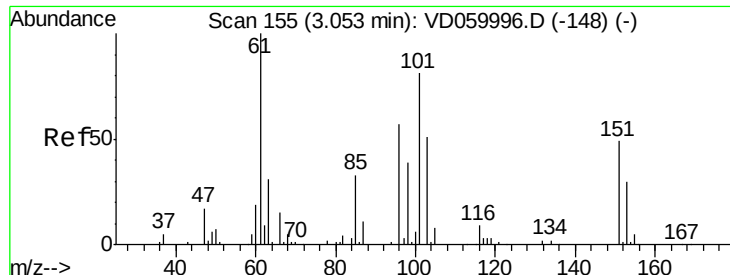
45 171.5 81.2 243.4



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: 21.82 ug/l

RT: 3.06 min Scan# 156

Delta R.T. 0.00 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS01

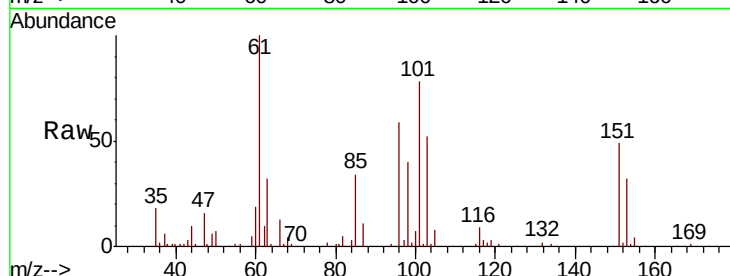
Tot Ion:101 Resp: 174129

Ion Ratio Lower Upper

101 100

85 43.0 33.1 49.7

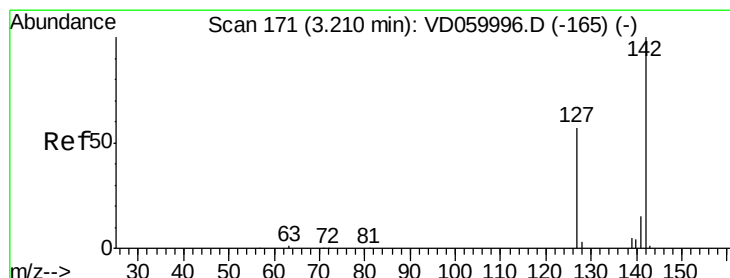
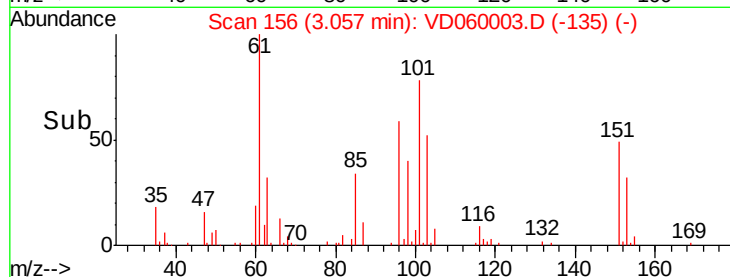
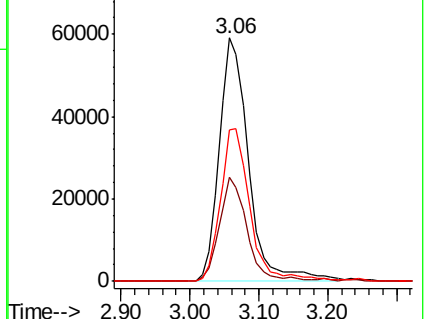
151 62.0 48.2 72.4



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: 18.43 ug/l

RT: 3.22 min Scan# 173

Delta R.T. 0.01 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

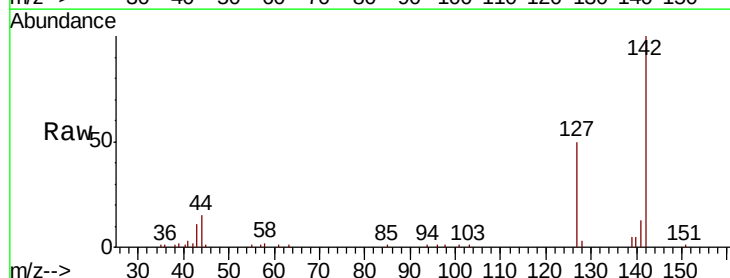
Tgt Ion:142 Resp: 155707

Ion Ratio Lower Upper

142 100

127 50.5 45.8 68.8

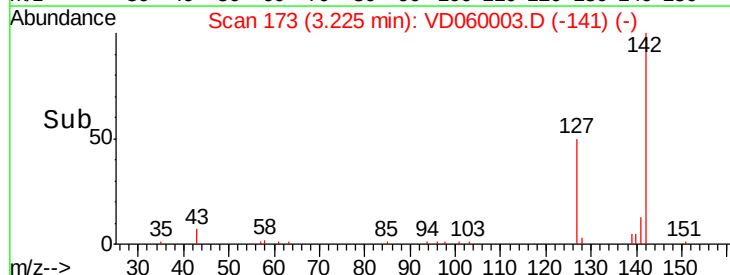
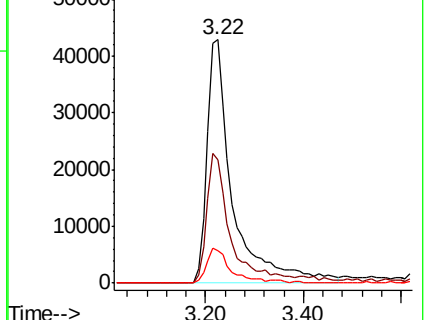
141 13.3 12.2 18.4

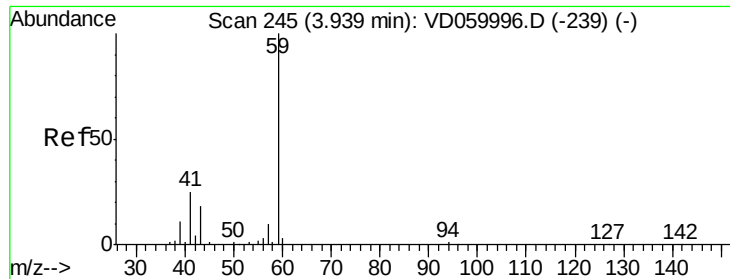


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



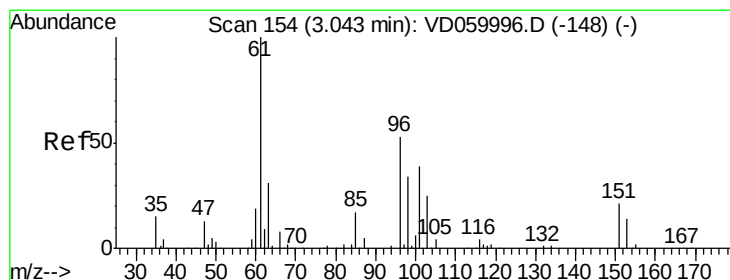
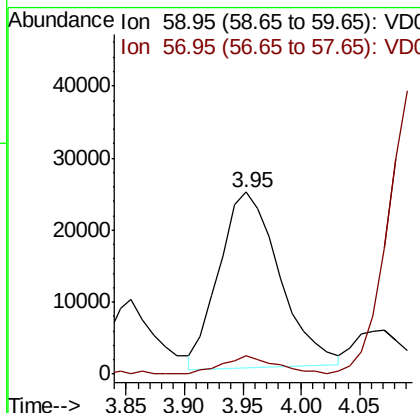
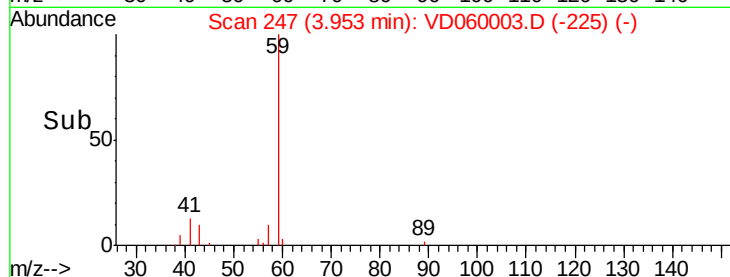
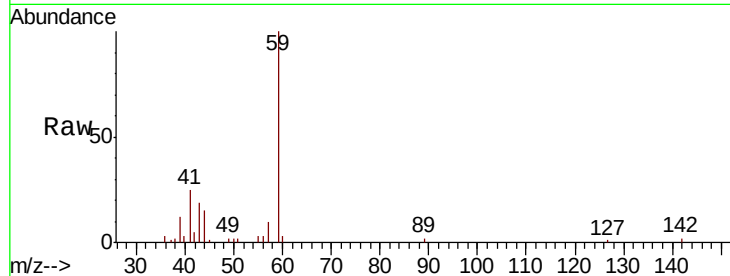


#11

Tert butyl alcohol
Concen: 90.26 ug/l
RT: 3.95 min Scan# 247
Delta R.T. 0.01 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS01

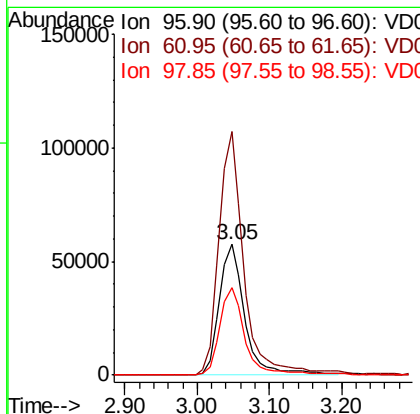
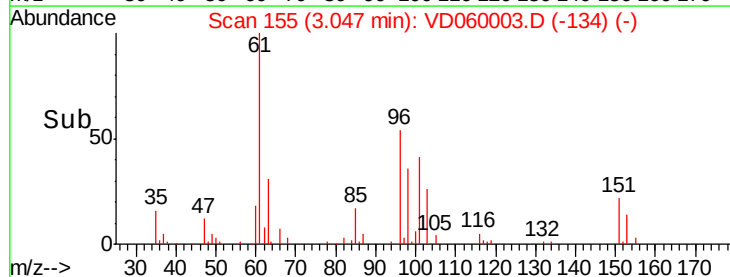
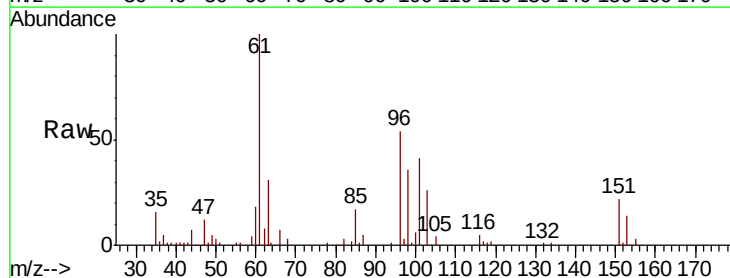
Tot Ion: 59 Resp: 87080
Ion Ratio Lower Upper
59 100
57 10.1 7.4 11.2

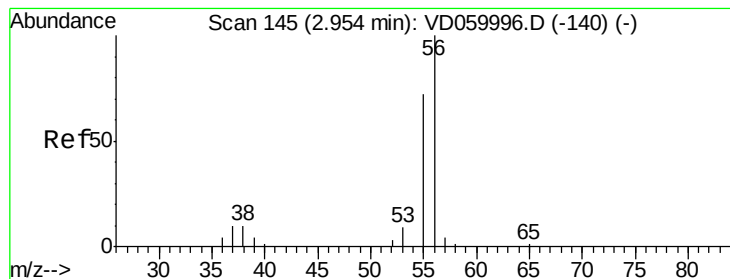


#12

1,1-Dichloroethene
Concen: 22.29 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.00 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

Tgt Ion: 96 Resp: 140615
Ion Ratio Lower Upper
96 100
61 186.3 149.8 224.6
98 66.6 50.2 75.4





#13

Acrolein

Concen: 106.36 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.00 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

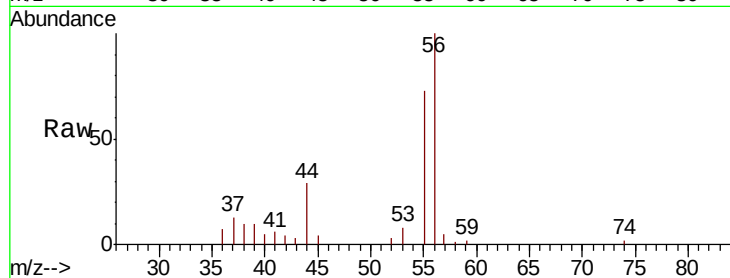
VD0914SBS01

Tot Ion: 56 Resp: 63546

Ion Ratio Lower Upper

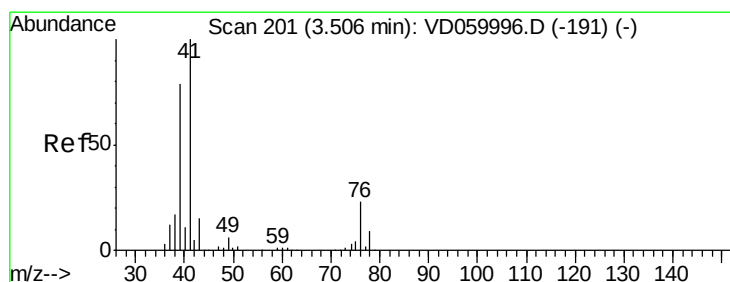
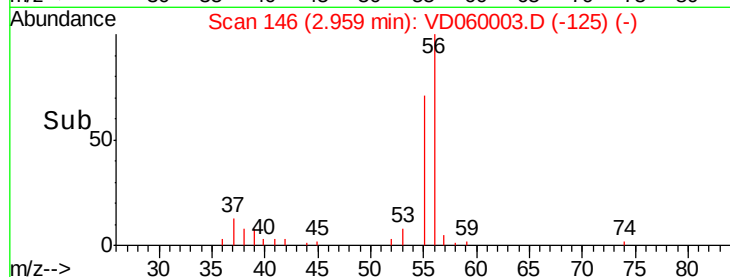
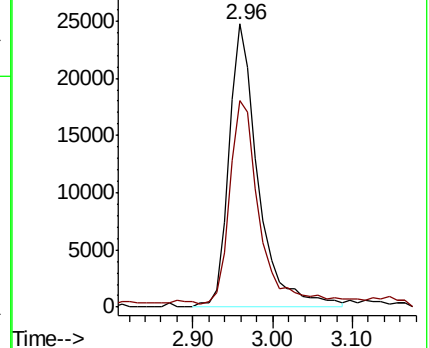
56 100

55 73.1 58.3 87.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.36 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.00 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

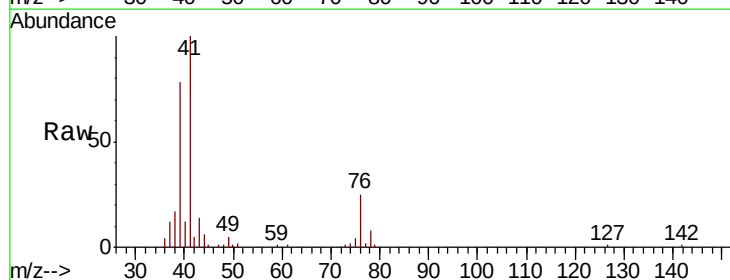
Tgt Ion: 41 Resp: 284157

Ion Ratio Lower Upper

41 100

39 78.0 63.6 95.4

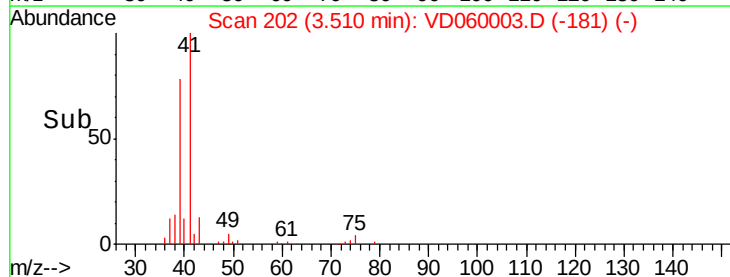
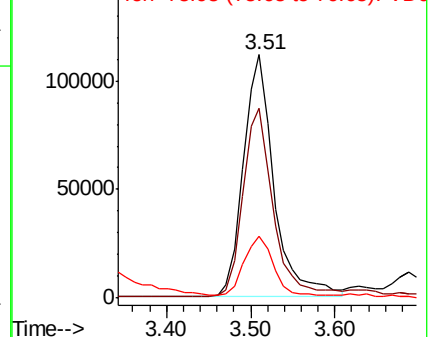
76 25.4 21.1 31.7

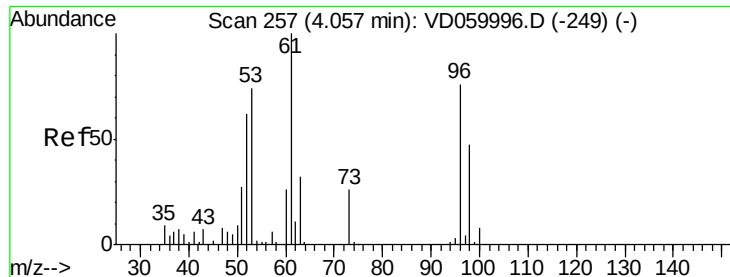


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 100.17 ug/l

RT: 4.06 min Scan# 258

Delta R.T. 0.00 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS01

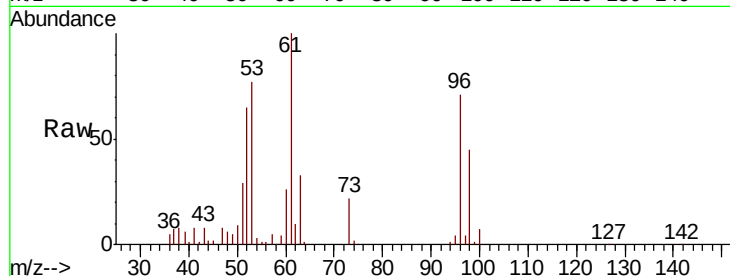
Tot Ion: 53 Resp: 364791

Ion Ratio Lower Upper

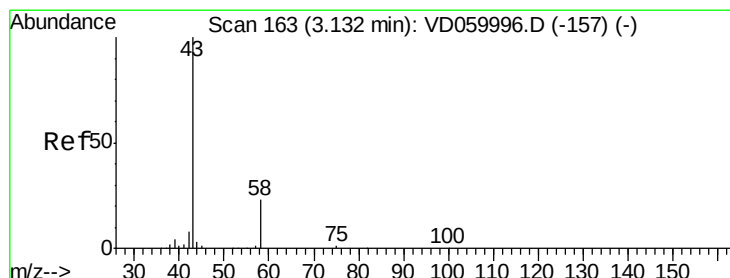
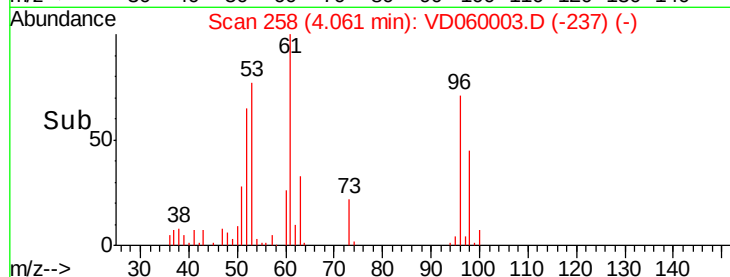
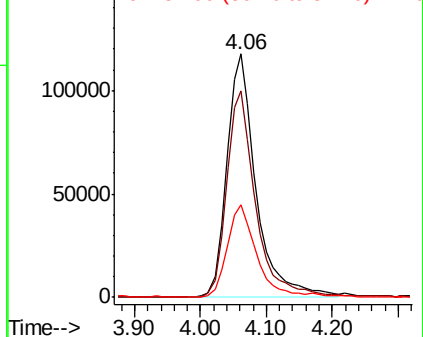
53 100

52 84.8 66.7 100.1

51 37.8 29.0 43.6



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: 121.93 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD060003.D

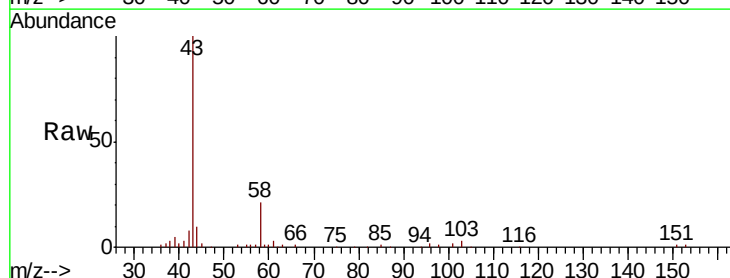
Acq: 14 Sep 2018 11:57

Tgt Ion: 43 Resp: 281469

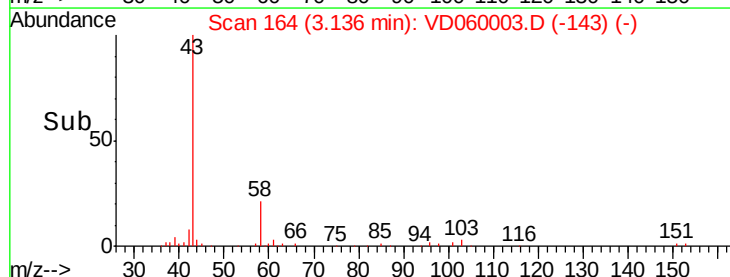
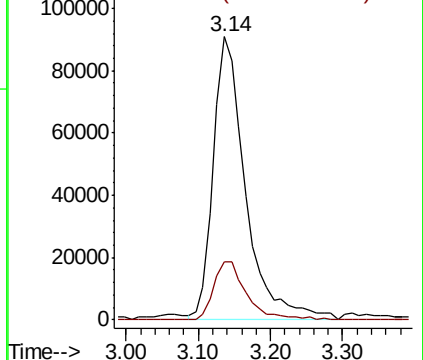
Ion Ratio Lower Upper

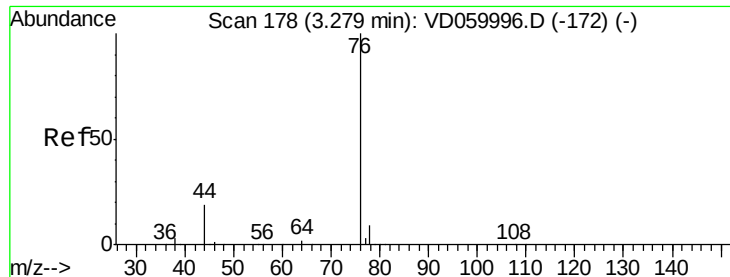
43 100

58 20.7 18.1 27.1



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

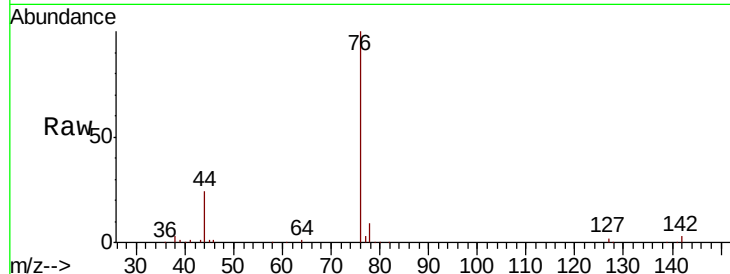




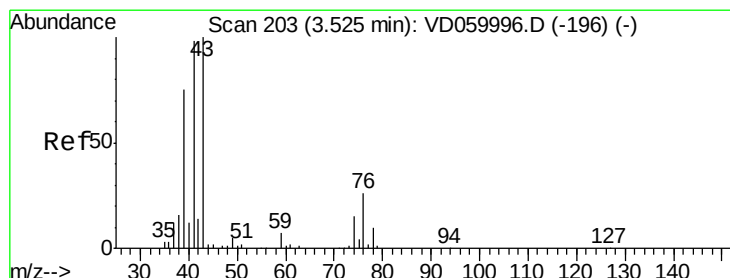
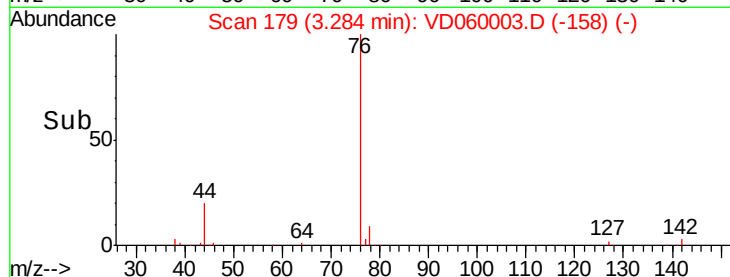
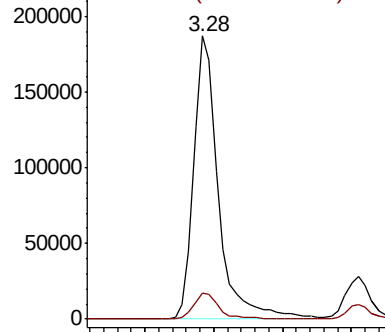
#17
Carbon Disulfide
Concen: 21.26 ug/l
RT: 3.28 min Scan# 179
Delta R.T. 0.00 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS01

Tot Ion: 76 Resp: 462107
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4

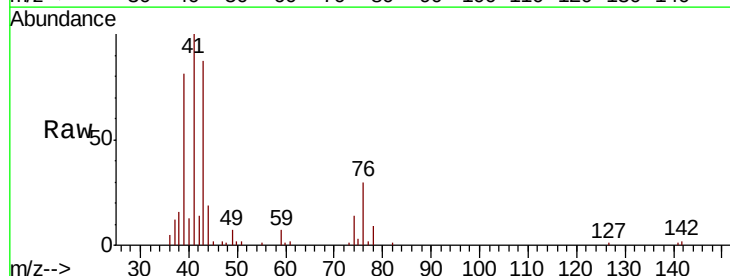


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

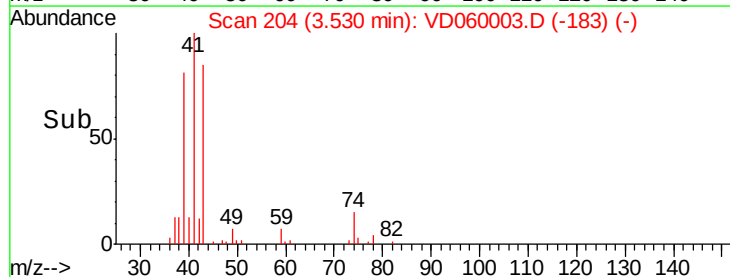
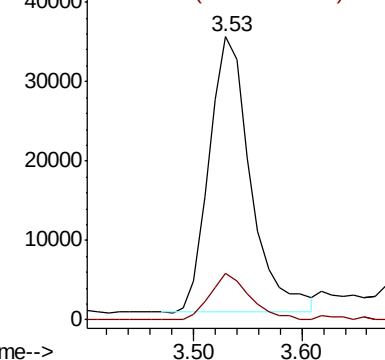


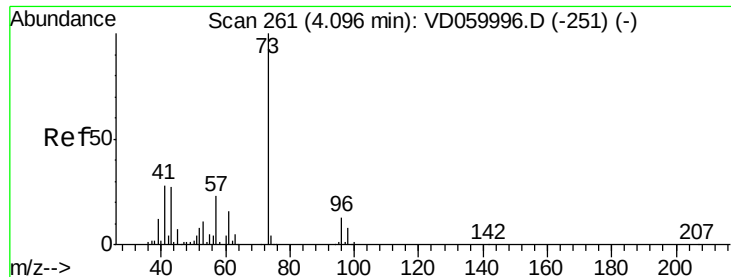
#18
Methyl Acetate
Concen: 19.66 ug/l
RT: 3.53 min Scan# 204
Delta R.T. 0.00 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

Tgt Ion: 43 Resp: 92284
Ion Ratio Lower Upper
43 100
74 16.6 11.8 17.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

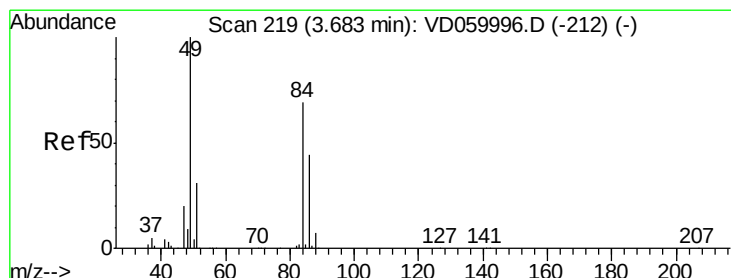
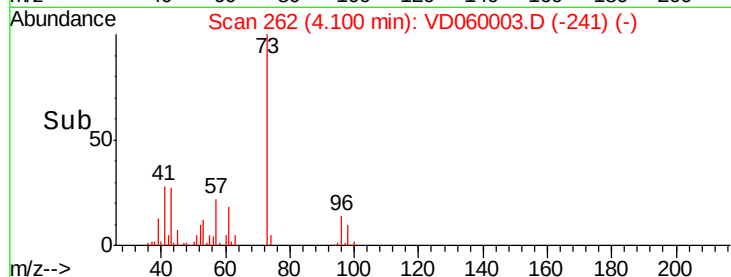
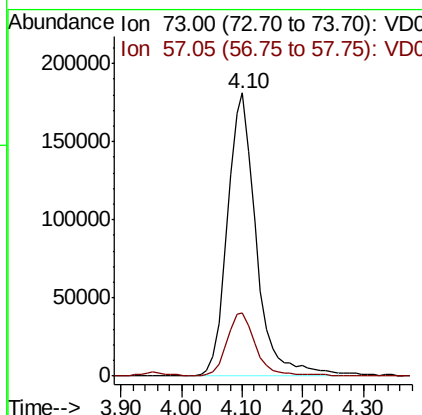
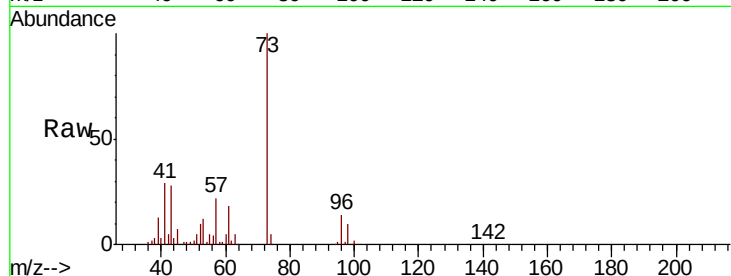




#19
Methyl tert-butyl Ether
Concen: 20.49 ug/l
RT: 4.10 min Scan# 262
Delta R.T. 0.00 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

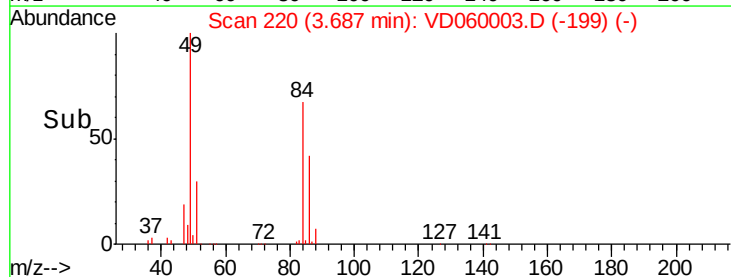
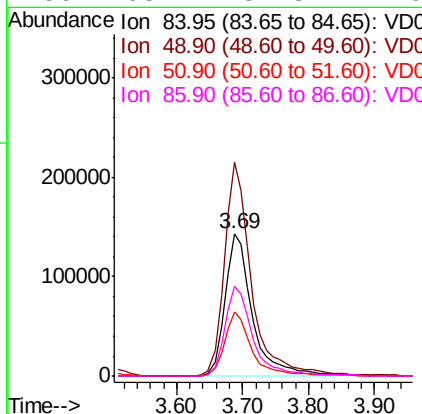
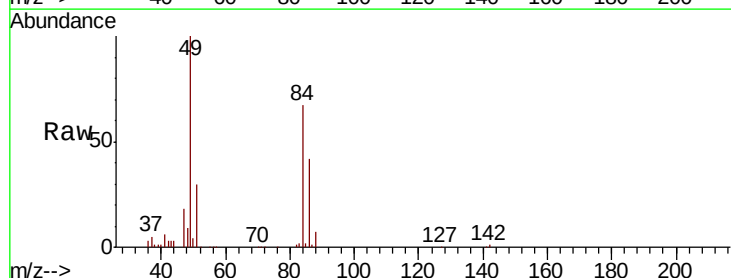
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS01

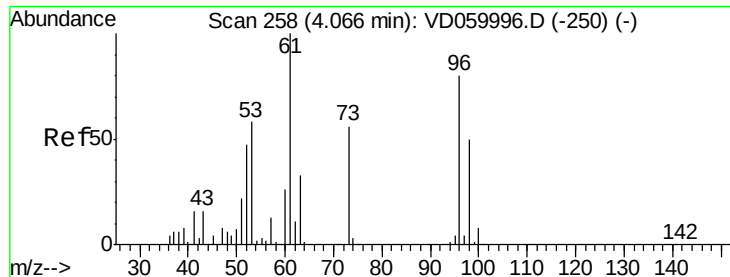
Tot Ion: 73 Resp: 597354
Ion Ratio Lower Upper
73 100
57 22.4 18.4 27.6



#20
Methylene Chloride
Concen: 21.02 ug/l
RT: 3.69 min Scan# 220
Delta R.T. 0.01 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

Tgt Ion: 84 Resp: 413898
Ion Ratio Lower Upper
84 100
49 150.1 116.6 175.0
51 45.3 35.9 53.9
86 63.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 20.18 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.00 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS01

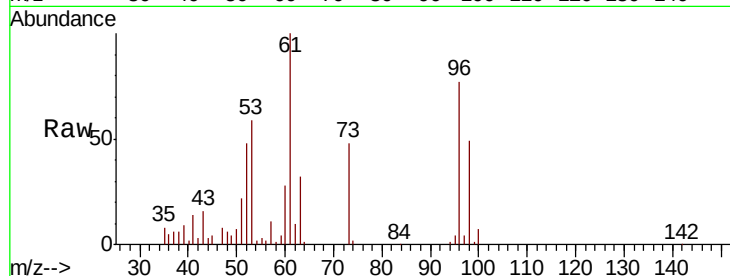
Tot Ion: 96 Resp: 334055

Ion Ratio Lower Upper

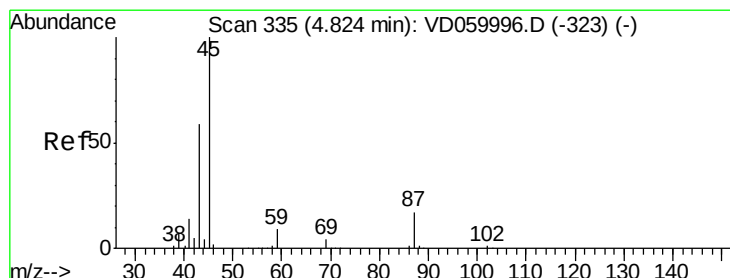
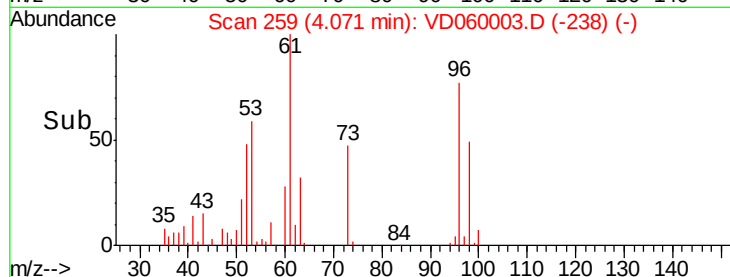
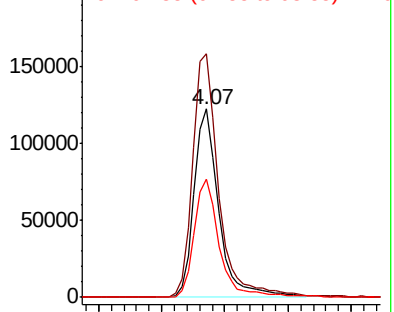
96 100

61 129.2 100.1 150.1

98 62.8 49.5 74.3



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



#22

Diisopropyl ether

Concen: 20.81 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.00 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

Tgt Ion: 45 Resp: 1262962

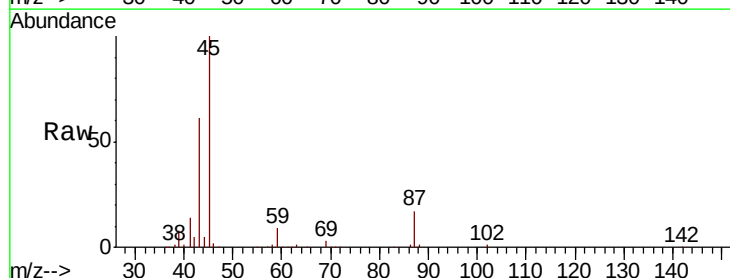
Ion Ratio Lower Upper

45 100

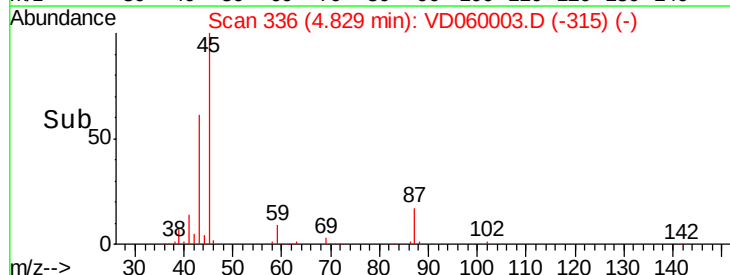
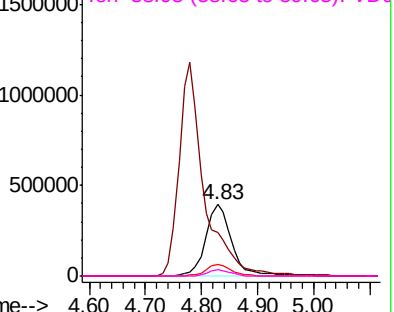
43 60.7 47.1 70.7

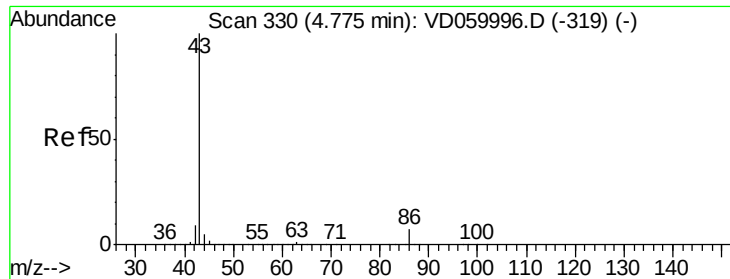
87 16.8 14.2 21.2

59 8.9 7.0 10.6



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: 107.20 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.00 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

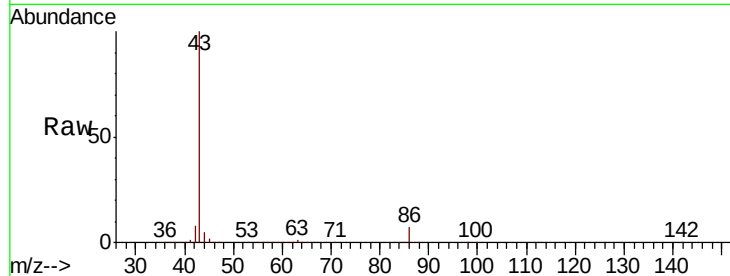
VD0914SBS01

Tot Ion: 43 Resp: 3685531

Ion Ratio Lower Upper

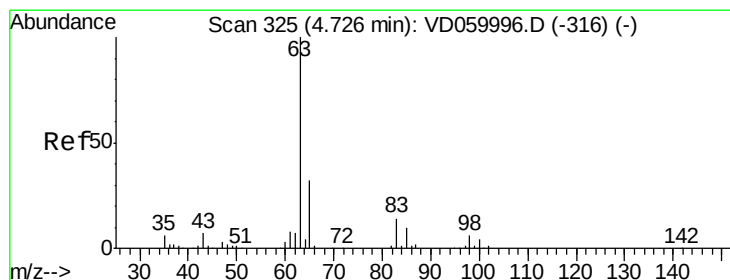
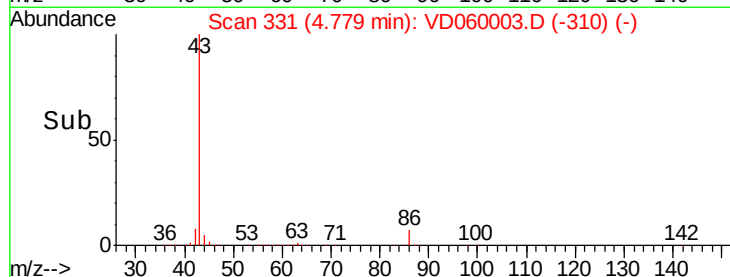
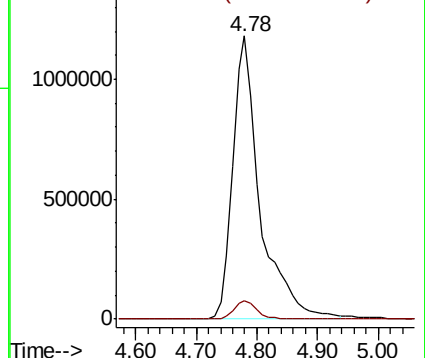
43 100

86 6.6 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VD0

Ion 86.00 (85.70 to 86.70): VD0



#24

1,1-Dichloroethane

Concen: 20.63 ug/l

RT: 4.73 min Scan# 326

Delta R.T. 0.00 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

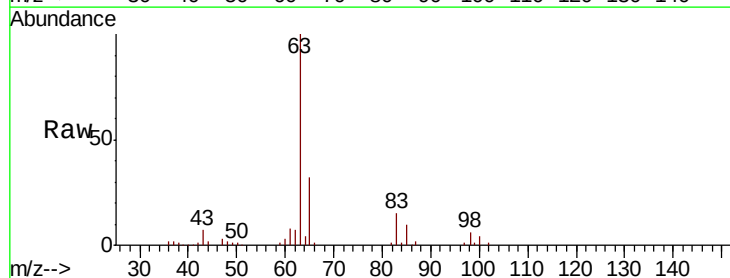
Tgt Ion: 63 Resp: 561894

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

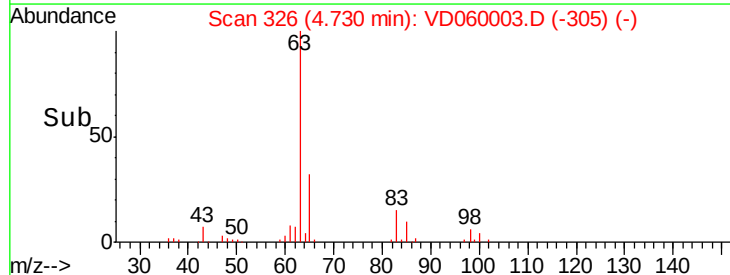
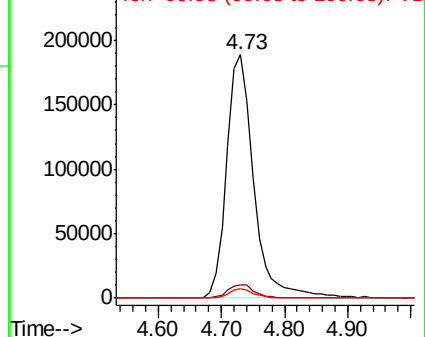
100 3.8 1.8 5.4

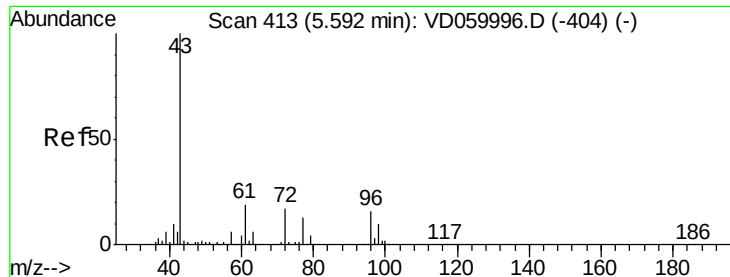


Abundance Ion 62.95 (62.65 to 63.65): VD0

Ion 97.95 (97.65 to 98.65): VD0

Ion 99.95 (99.65 to 100.65): VD0





#25

2-Butanone

Concen: 112.00 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.01 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

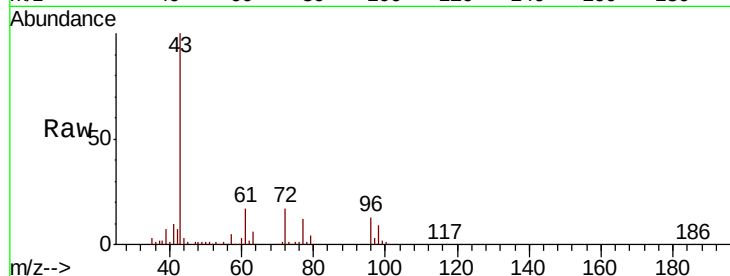
VD0914SBS01

Tot Ion: 43 Resp: 697686

Ion Ratio Lower Upper

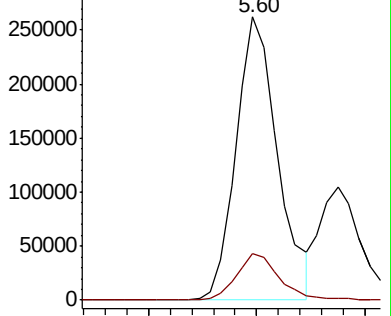
43 100

72 16.6 13.6 20.4

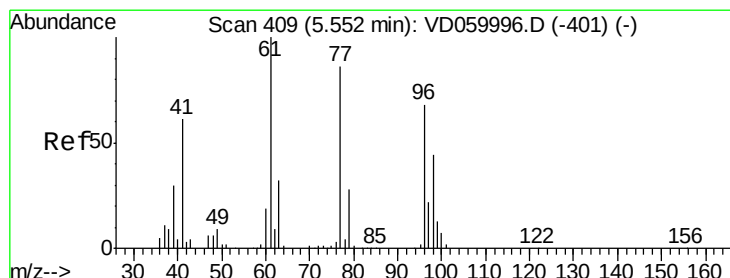
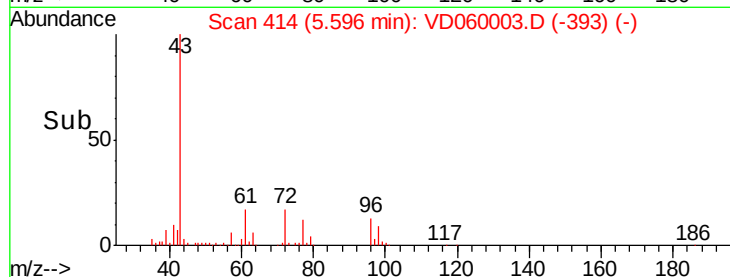


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 20.52 ug/l

RT: 5.56 min Scan# 410

Delta R.T. 0.00 min

Lab File: VD060003.D

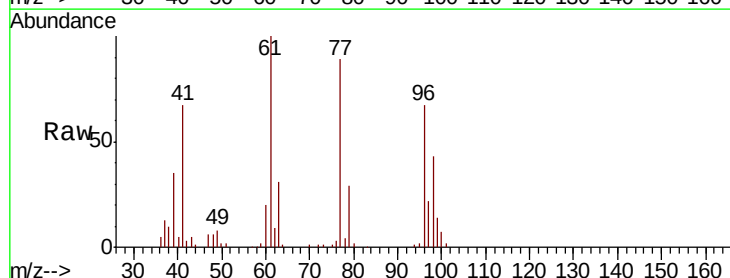
Acq: 14 Sep 2018 11:57

Tgt Ion: 77 Resp: 434510

Ion Ratio Lower Upper

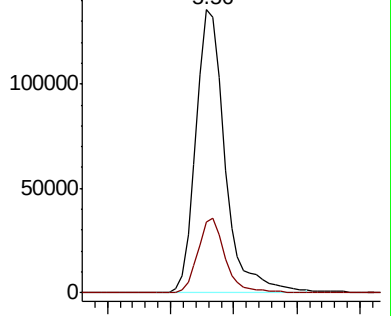
77 100

97 25.0 12.7 38.1

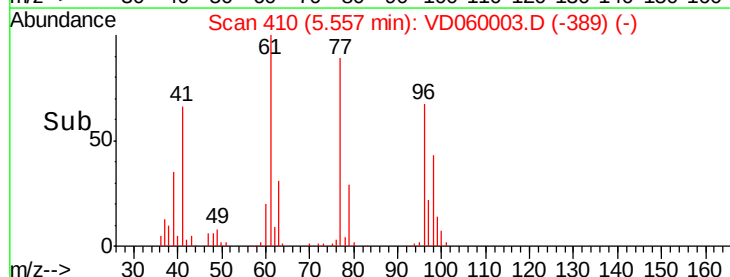


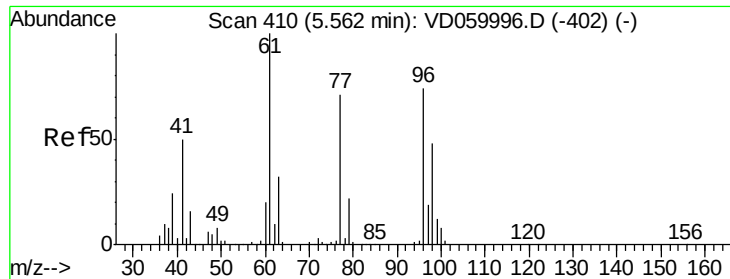
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->



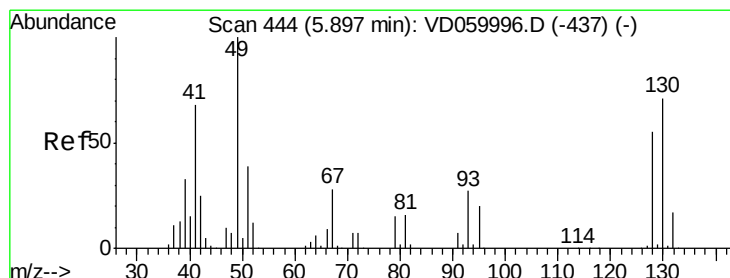
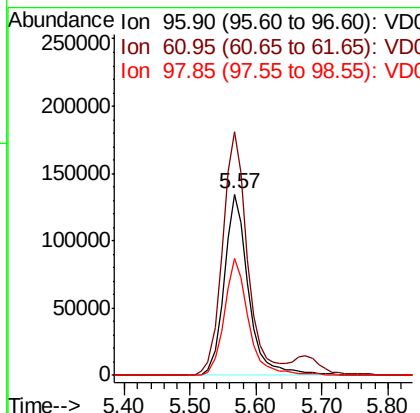
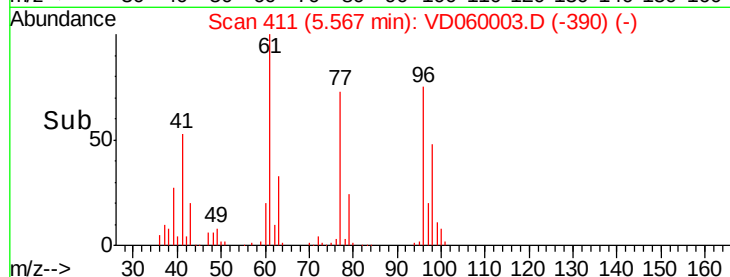
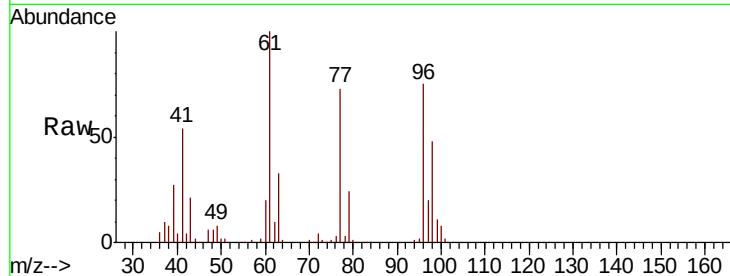


#27

cis-1,2-Dichloroethene
Concen: 20.06 ug/l
RT: 5.57 min Scan# 411
Delta R.T. 0.00 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS01

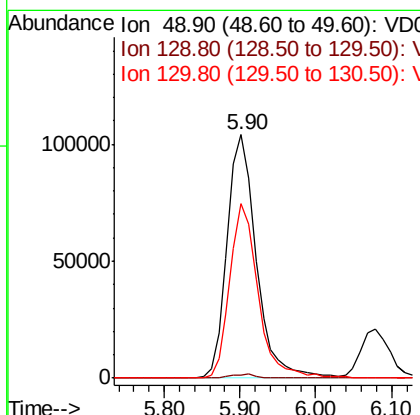
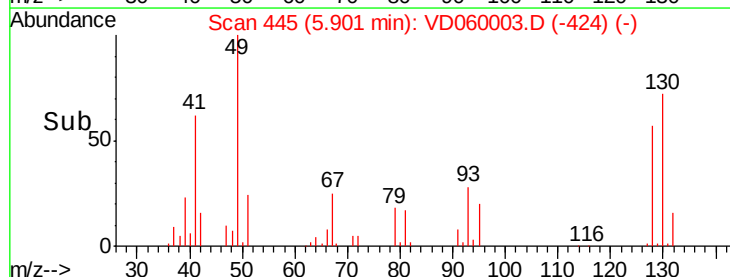
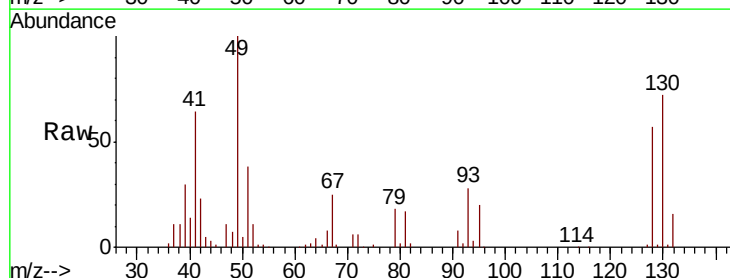
Tot Ion: 96 Resp: 347303
Ion Ratio Lower Upper
96 100
61 134.2 0.0 269.6
98 64.7 0.0 128.4

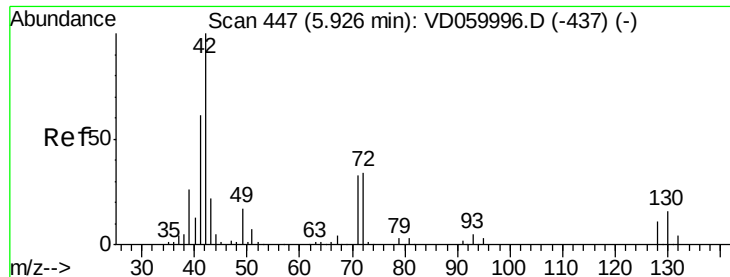


#28

Bromochloromethane
Concen: 21.28 ug/l
RT: 5.90 min Scan# 445
Delta R.T. 0.00 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

Tgt Ion: 49 Resp: 278603
Ion Ratio Lower Upper
49 100
129 1.3 0.0 3.6
130 71.7 57.1 85.7

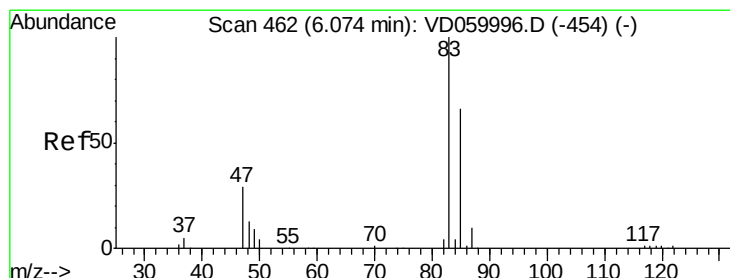
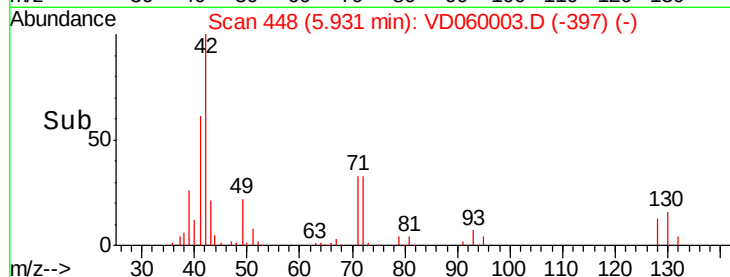
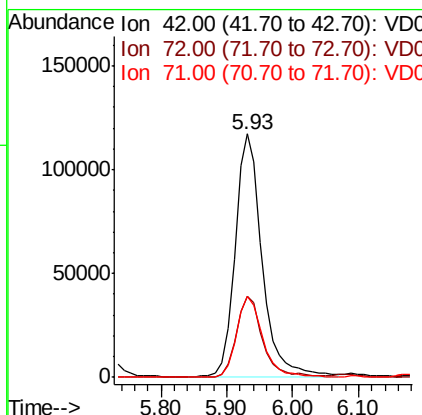
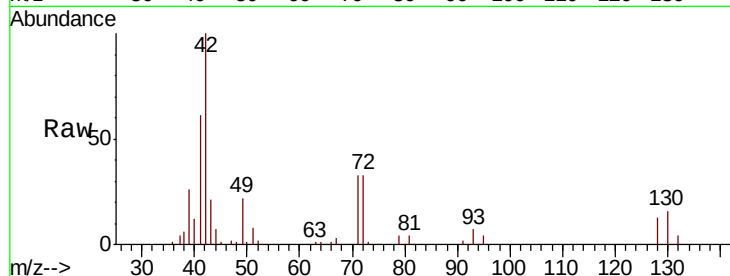




#29
Tetrahydrofuran
Concen: 101.13 ug/l
RT: 5.93 min Scan# 448
Delta R.T. 0.00 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

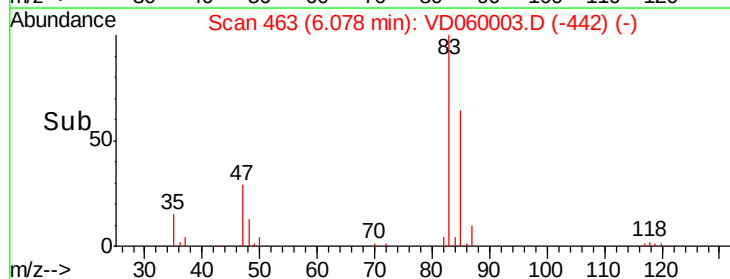
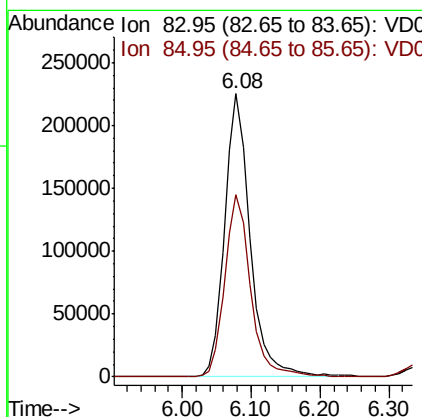
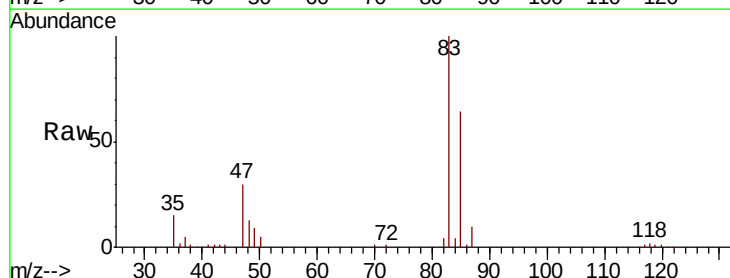
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS01

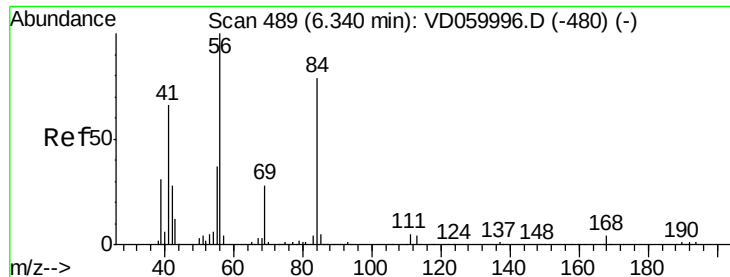
Tot Ion	Ratio	Lower	Upper
42	100		
72	32.3	26.9	40.3
71	32.4	26.2	39.4



#30
Chloroform
Concen: 20.94 ug/l
RT: 6.08 min Scan# 463
Delta R.T. 0.00 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.6	78.8

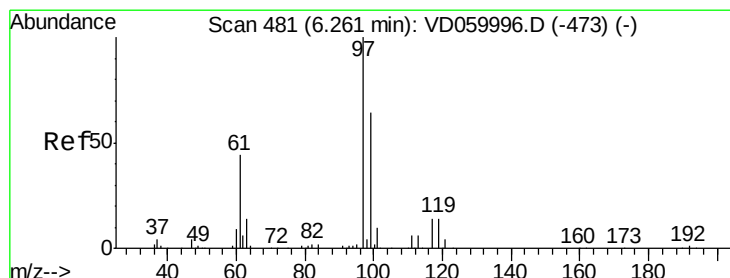
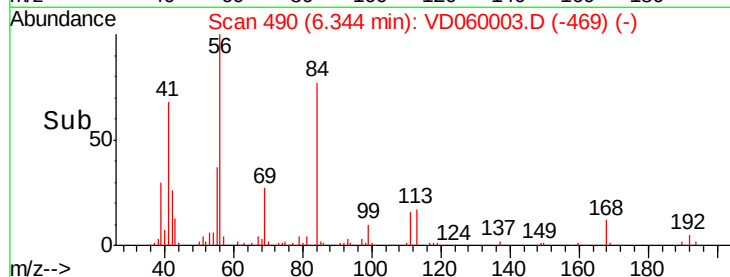
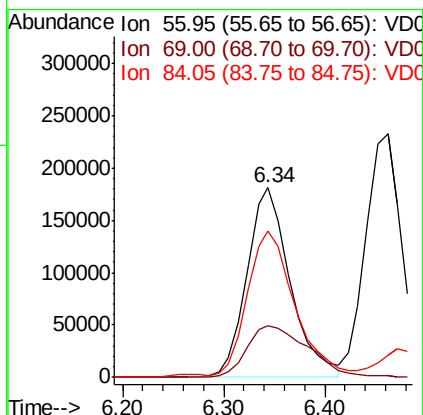
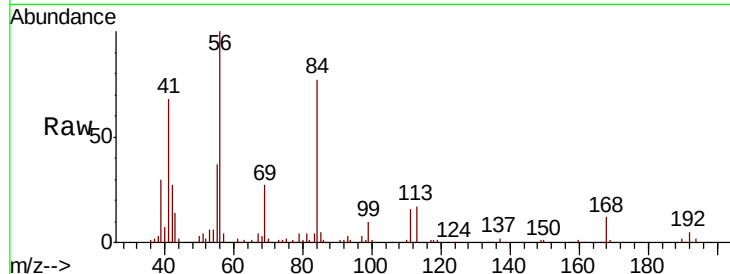




#31
Cyclohexane
Concen: 20.43 ug/l
RT: 6.34 min Scan# 490
Delta R.T. 0.00 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

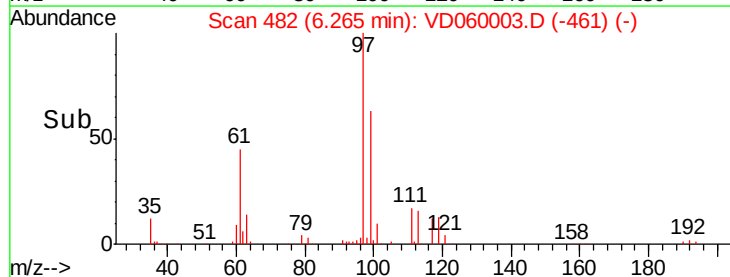
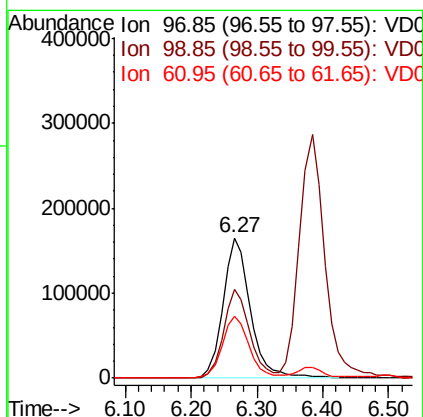
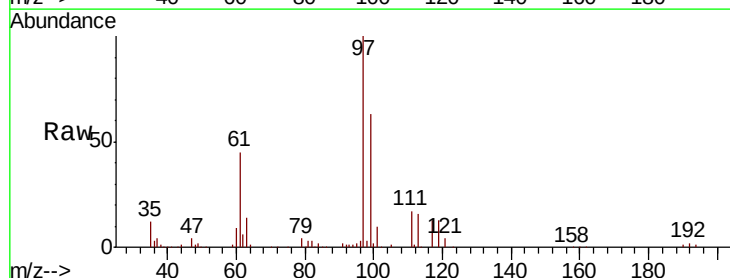
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS01

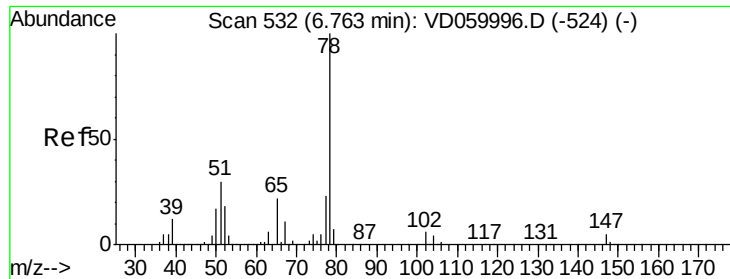
Tot Ion: 56 Resp: 542565
Ion Ratio Lower Upper
56 100
69 27.0 22.7 34.1
84 77.4 64.0 96.0



#32
1,1,1-Trichloroethane
Concen: 20.88 ug/l
RT: 6.27 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

Tgt Ion: 97 Resp: 478238
Ion Ratio Lower Upper
97 100
99 63.3 51.3 76.9
61 44.5 35.5 53.3

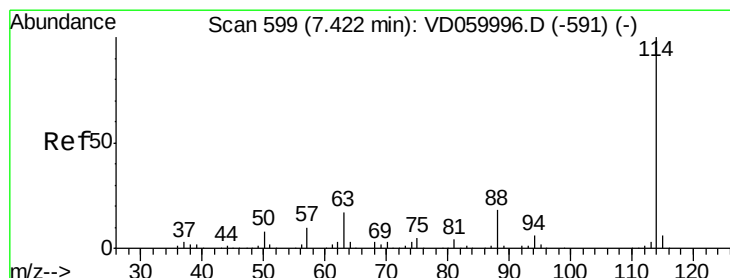
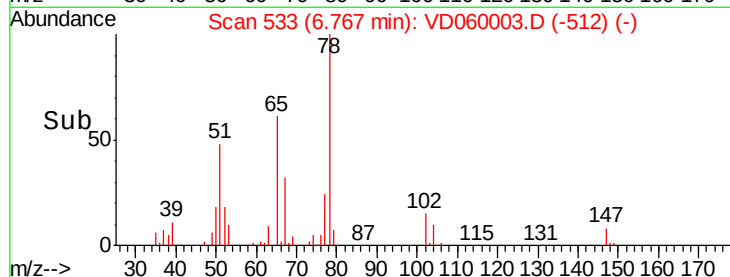
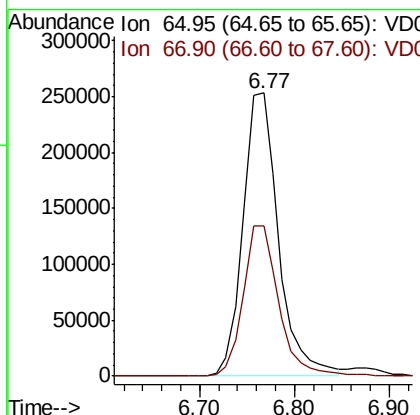
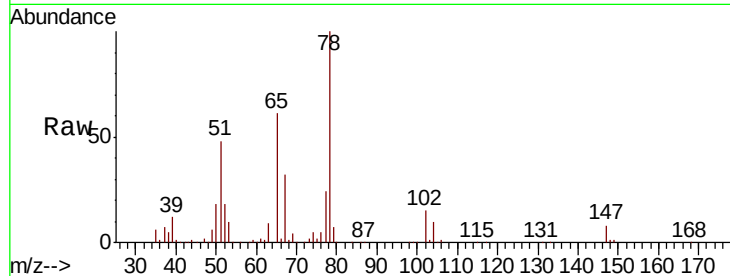




#33
 1,2-Dichloroethane-d4
 Concen: 20.88 ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VD060003.D
 Acq: 14 Sep 2018 11:57

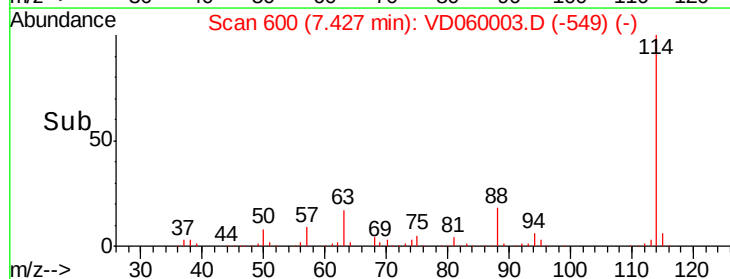
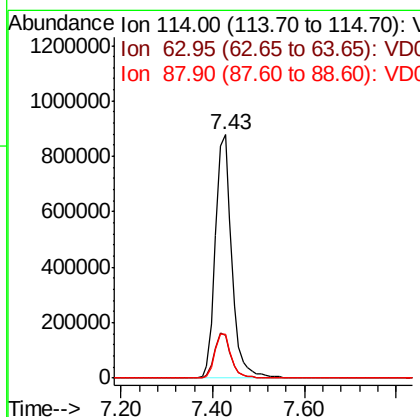
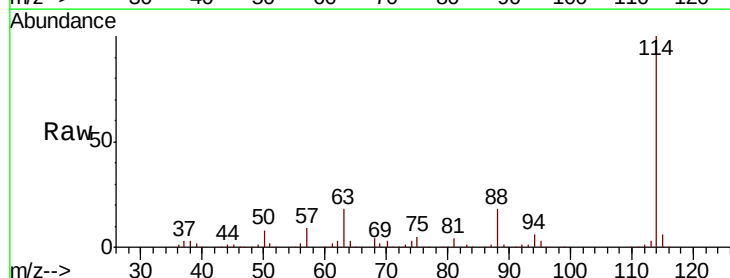
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS01

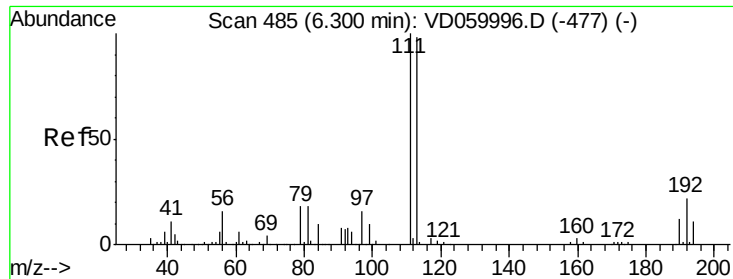
Tot Ion: 65 Resp: 659114
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. 0.00 min
 Lab File: VD060003.D
 Acq: 14 Sep 2018 11:57

Tgt Ion: 114 Resp: 2137265
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 34.4
 88 18.2 0.0 35.8

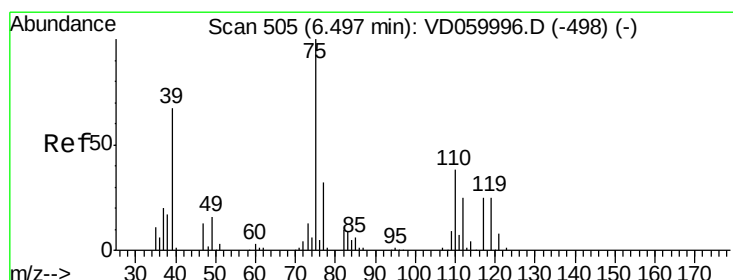
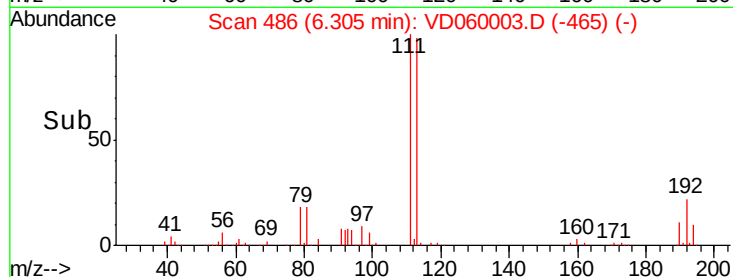
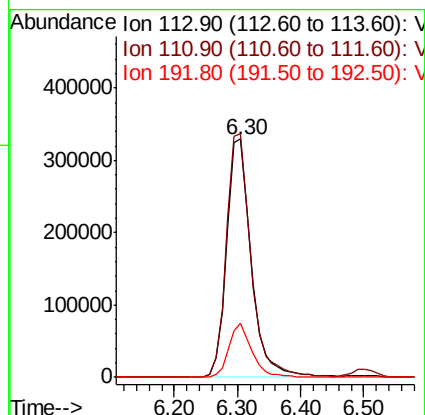
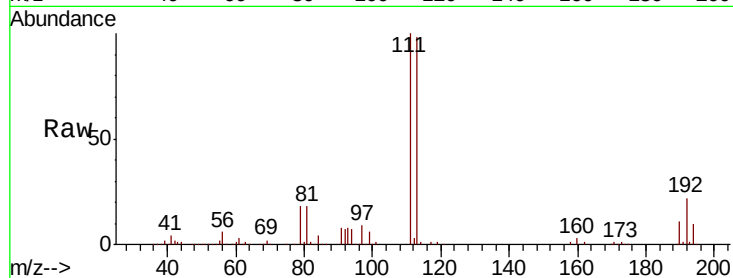




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.30 min Scan# 486
 Delta R.T. 0.00 min
 Lab File: VD060003.D
 Acq: 14 Sep 2018 11:57

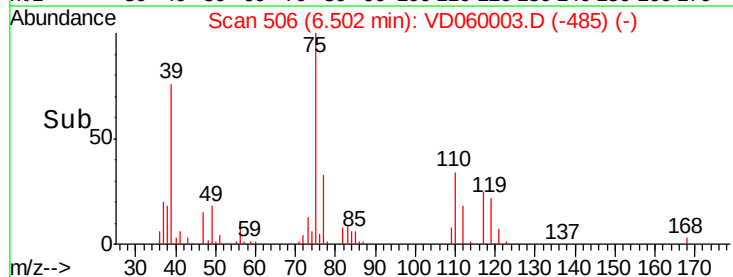
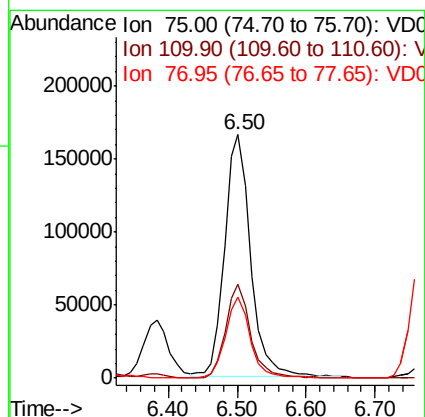
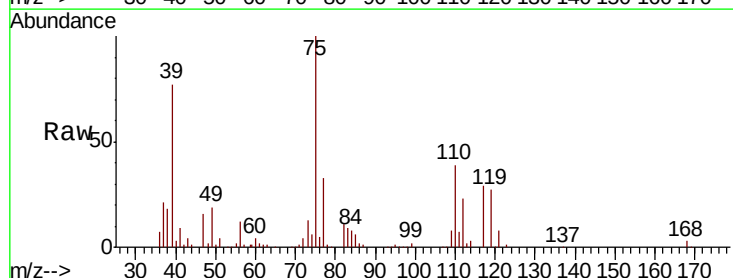
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS01

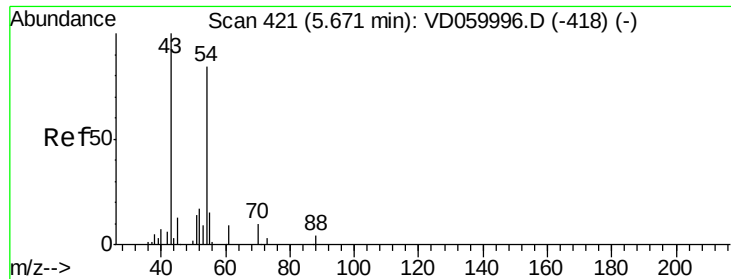
Tot Ion:113 Resp: 891576
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.3 121.9
 192 22.5 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 20.34 ug/l
 RT: 6.50 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VD060003.D
 Acq: 14 Sep 2018 11:57

Tgt Ion: 75 Resp: 431818
 Ion Ratio Lower Upper
 75 100
 110 38.5 18.9 56.9
 77 33.3 25.3 37.9

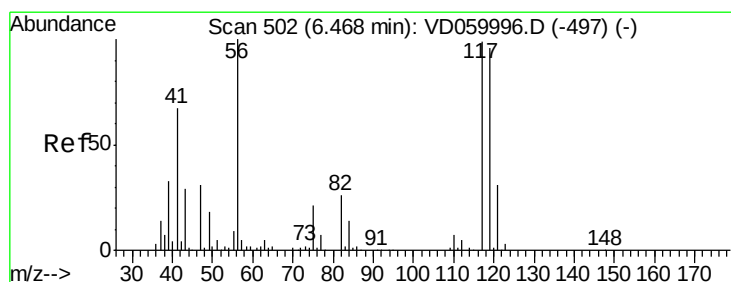
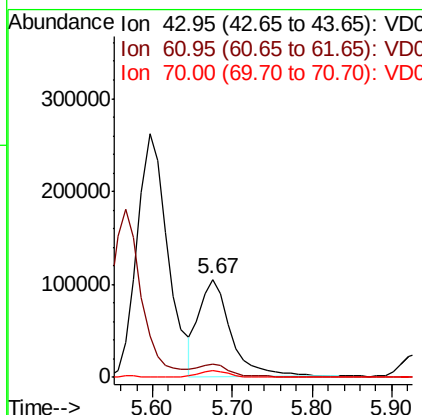
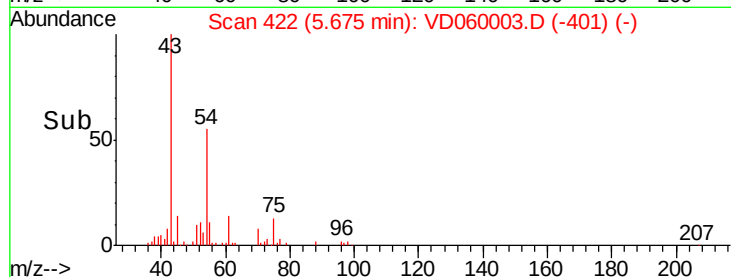
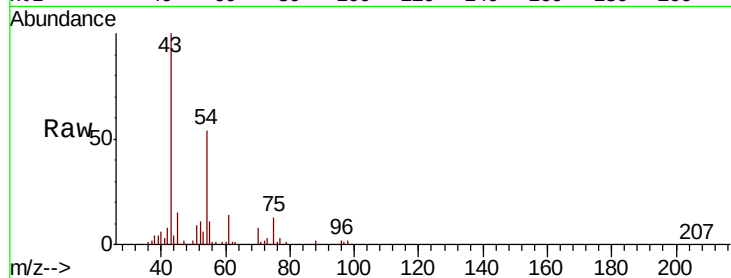




#37
Ethyl Acetate
Concen: 19.70 ug/l
RT: 5.67 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

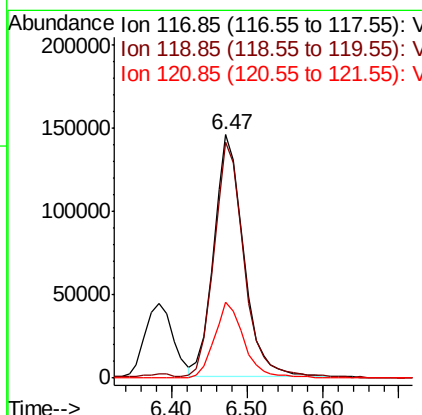
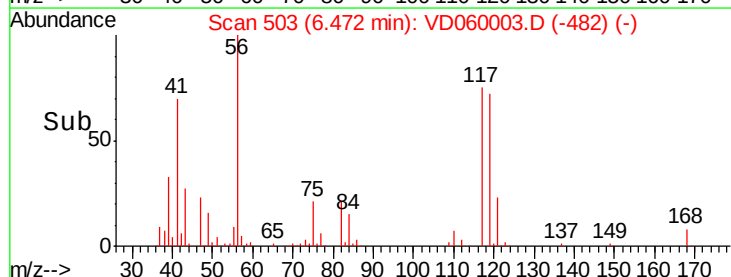
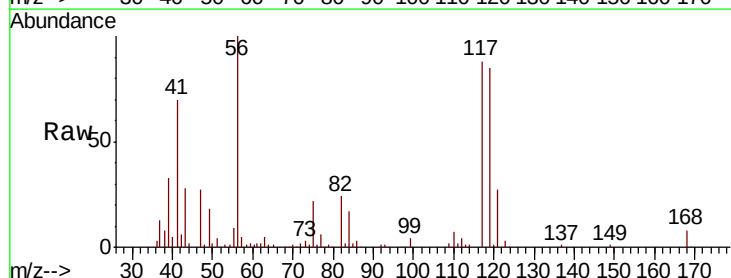
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS01

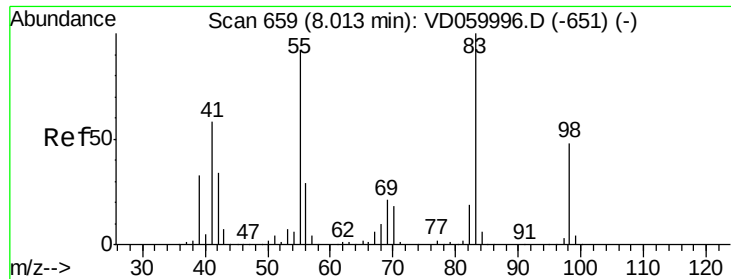
Tot Ion: 43 Resp: 287541
Ion Ratio Lower Upper
43 100
61 14.2 10.2 15.2
70 7.6 6.1 9.1



#38
Carbon Tetrachloride
Concen: 20.28 ug/l
RT: 6.47 min Scan# 503
Delta R.T. 0.00 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

Tgt Ion: 117 Resp: 401944
Ion Ratio Lower Upper
117 100
119 96.9 76.7 115.1
121 31.0 24.9 37.3

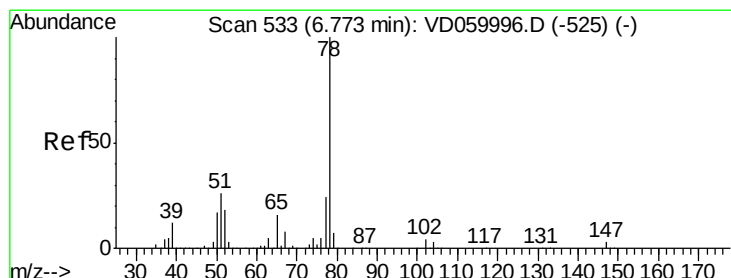
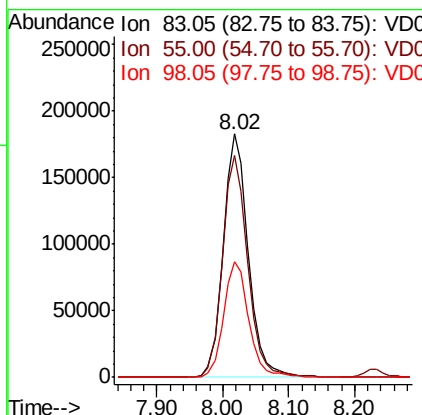
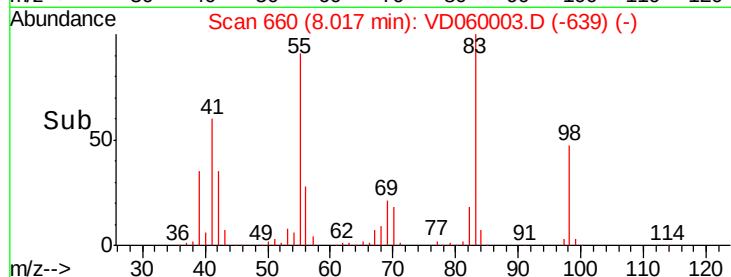
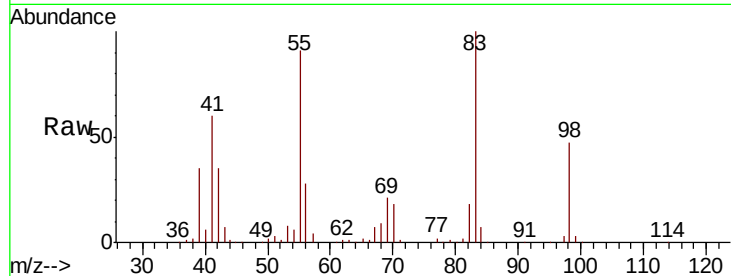




#39
Methylcyclohexane
Concen: 20.27 ug/l
RT: 8.02 min Scan# 660
Delta R.T. 0.00 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

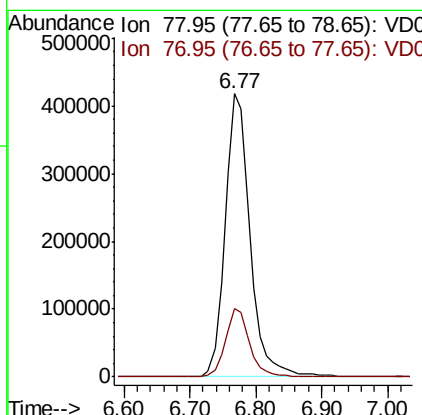
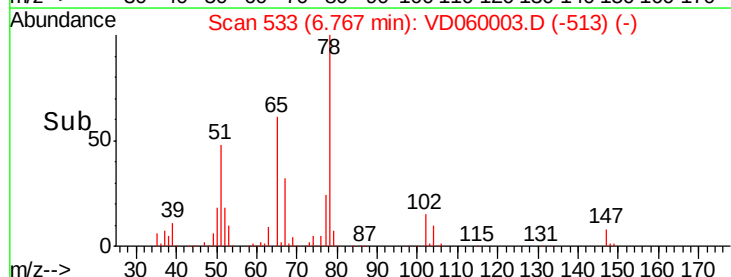
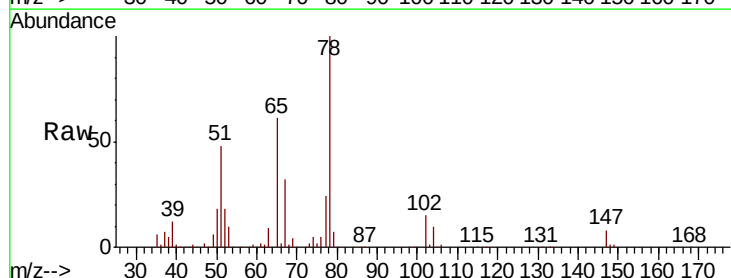
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS01

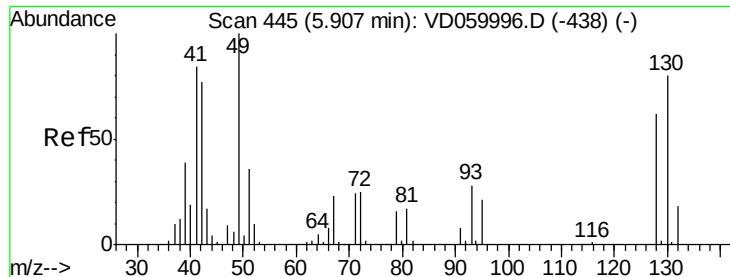
Tot Ion: 83 Resp: 486879
Ion Ratio Lower Upper
83 100
55 91.3 73.8 110.6
98 47.4 38.1 57.1



#40
Benzene
Concen: 20.41 ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.01 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

Tgt Ion: 78 Resp: 1104673
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4

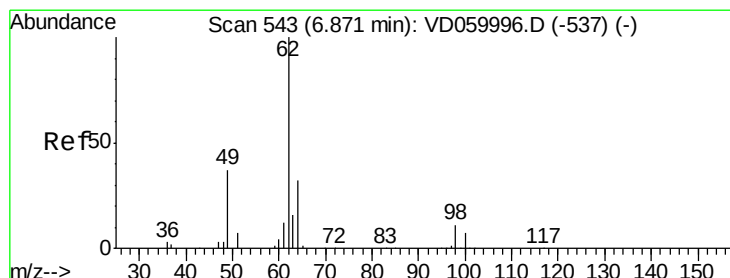
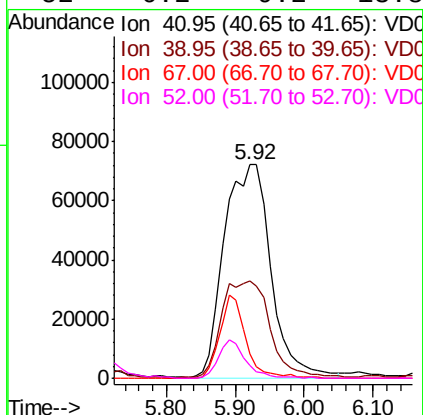
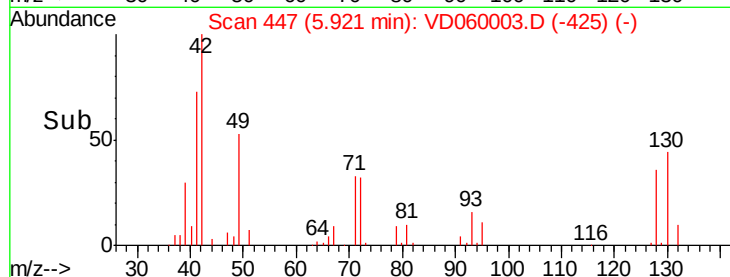
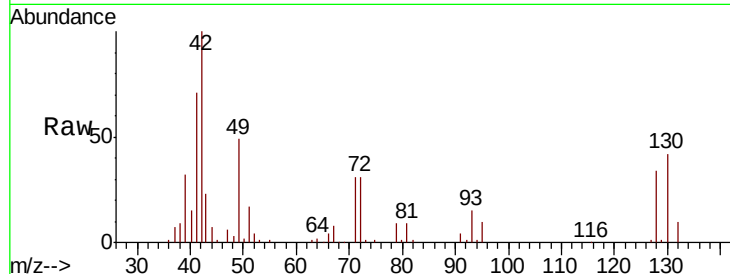




#41
Methacrylonitrile
Concen: 44.45 ug/l
RT: 5.92 min Scan# 447
Delta R.T. 0.01 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

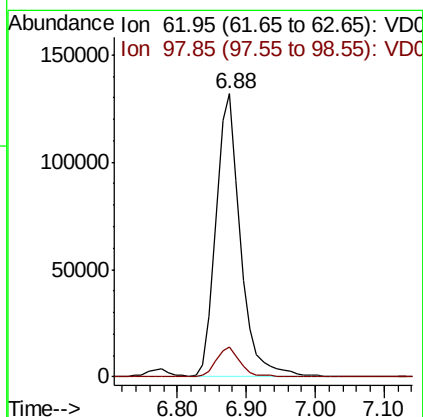
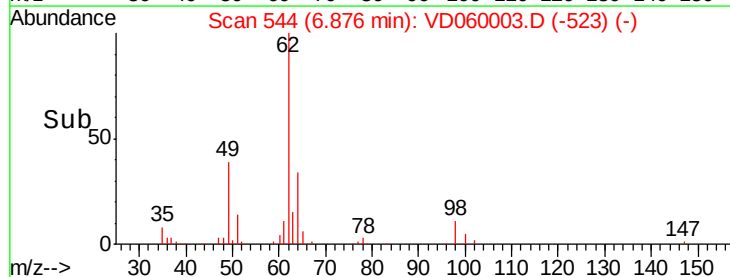
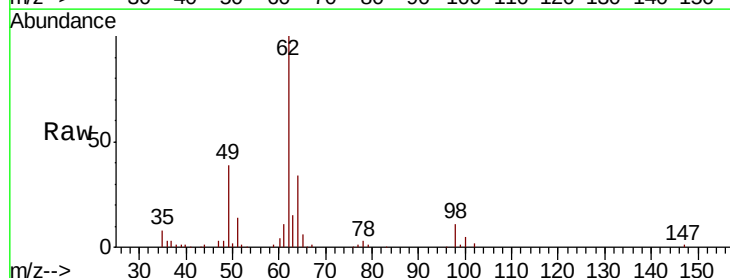
Instrument :
MSVOA_D
ClientSampleID :
VD0914SBS01

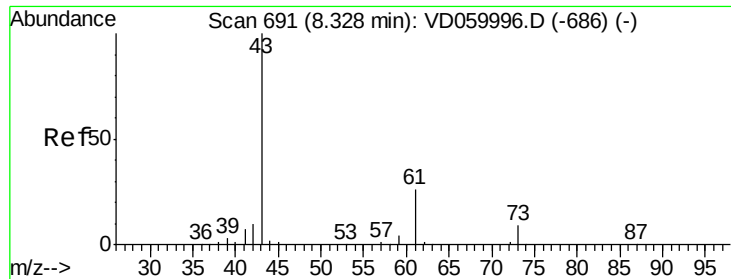
Tot Ion: 41 Resp: 339910
Ion Ratio Lower Upper
41 100
39 45.7 37.5 56.3
67 11.5 21.5 32.3#
52 6.2 9.2 13.8#



#42
1,2-Dichloroethane
Concen: 19.83 ug/l
RT: 6.88 min Scan# 544
Delta R.T. 0.00 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

Tgt Ion: 62 Resp: 322245
Ion Ratio Lower Upper
62 100
98 10.7 0.0 21.4



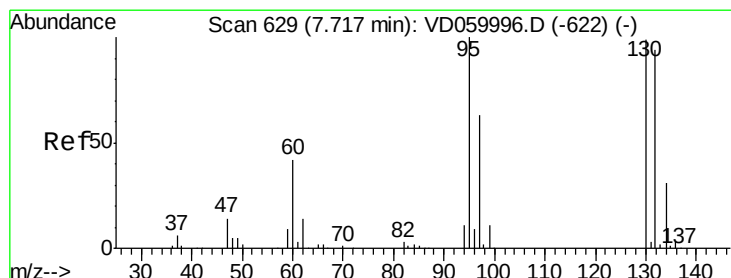
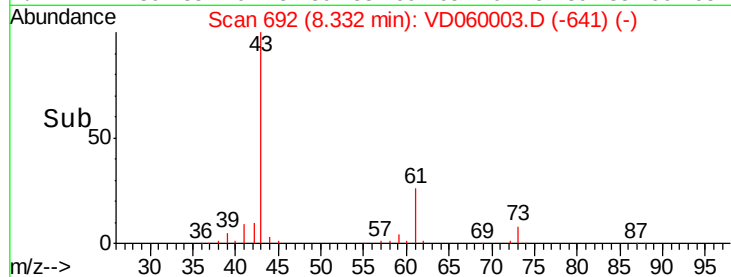
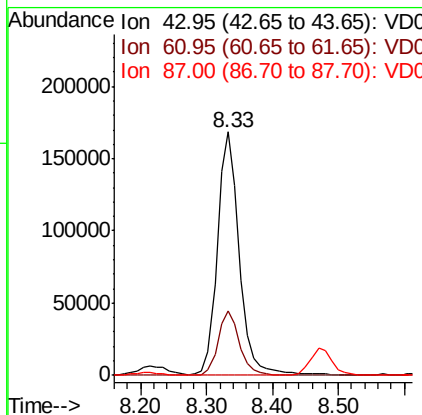
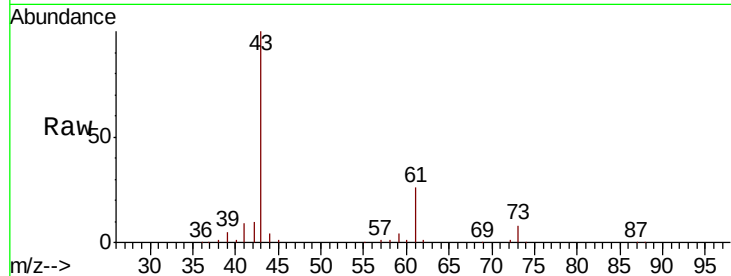


#43

Isopropyl Acetate
 Concen: 19.58 ug/l
 RT: 8.33 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: VD060003.D
 Acq: 14 Sep 2018 11:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS01

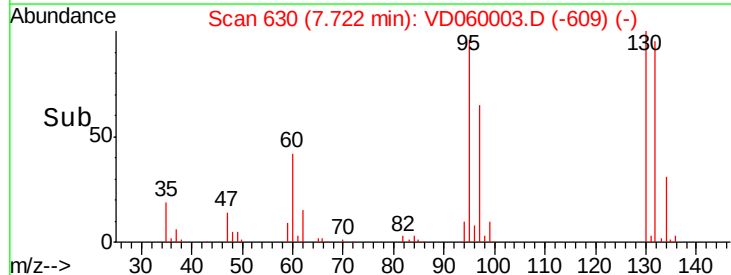
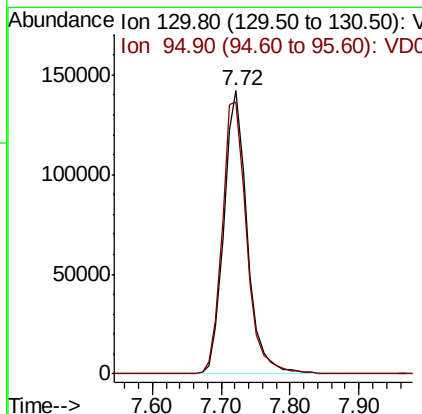
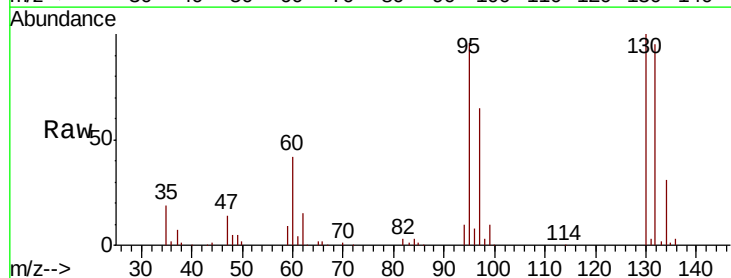
Tot Ion: 43 Resp: 382780
 Ion Ratio Lower Upper
 43 100
 61 26.5 21.0 31.6
 87 0.3 0.2 0.2#

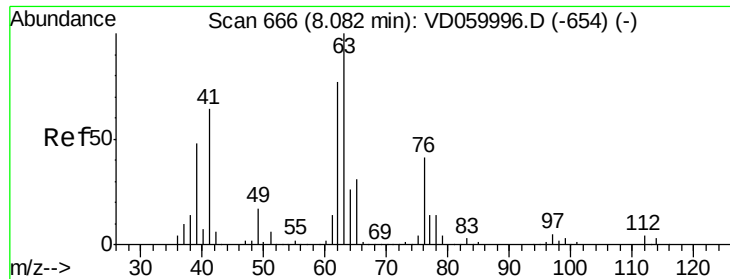


#44

Trichloroethene
 Concen: 19.86 ug/l
 RT: 7.72 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VD060003.D
 Acq: 14 Sep 2018 11:57

Tgt Ion:130 Resp: 332109
 Ion Ratio Lower Upper
 130 100
 95 96.1 0.0 202.0

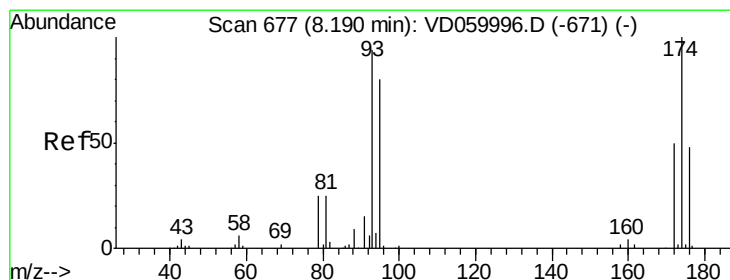
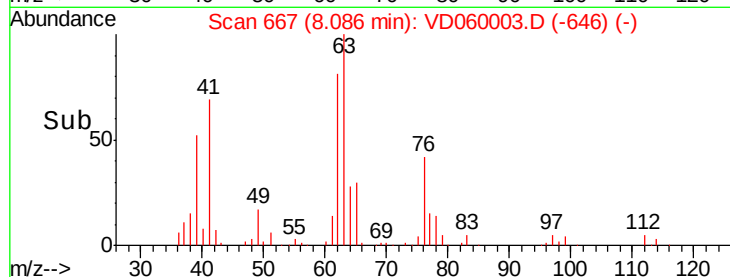
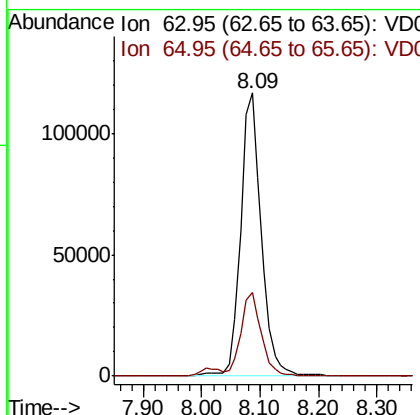
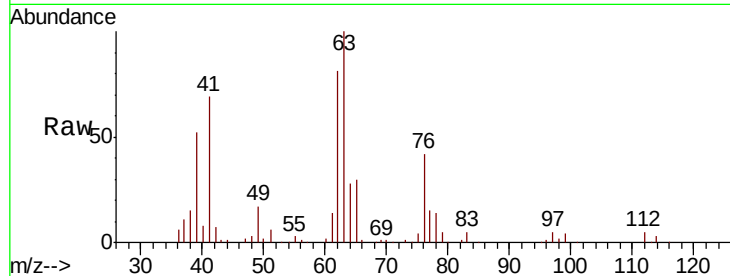




#45
 1,2-Dichloropropane
 Concen: 19.83 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VD060003.D
 Acq: 14 Sep 2018 11:57

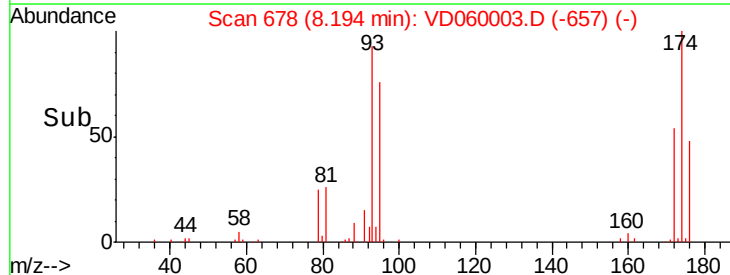
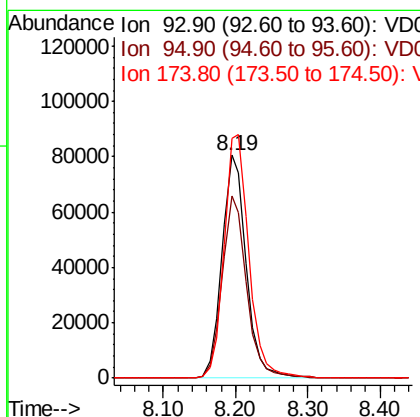
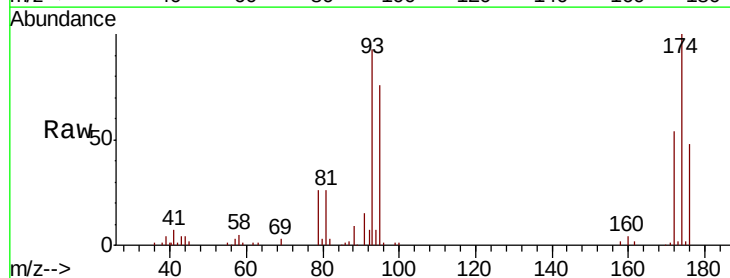
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS01

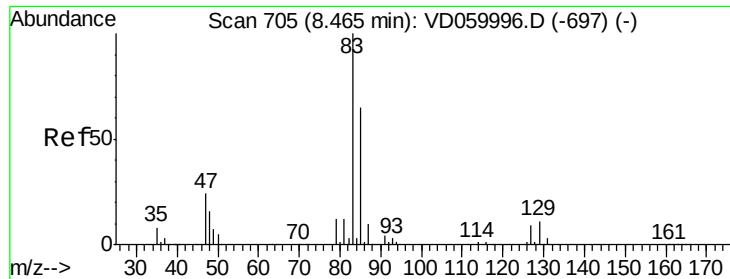
Tot Ion: 63 Resp: 286977
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.6 37.0



#46
 Dibromomethane
 Concen: 19.76 ug/l
 RT: 8.19 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VD060003.D
 Acq: 14 Sep 2018 11:57

Tgt Ion: 93 Resp: 186553
 Ion Ratio Lower Upper
 93 100
 95 81.8 68.0 102.0
 174 107.5 85.4 128.2





#47

Bromodichloromethane

Concen: 20.42 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS01

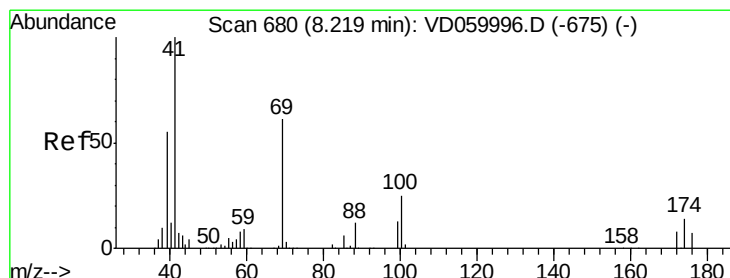
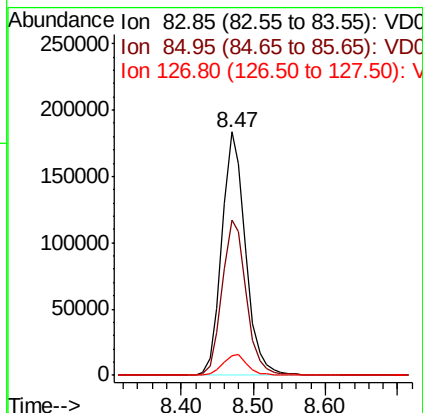
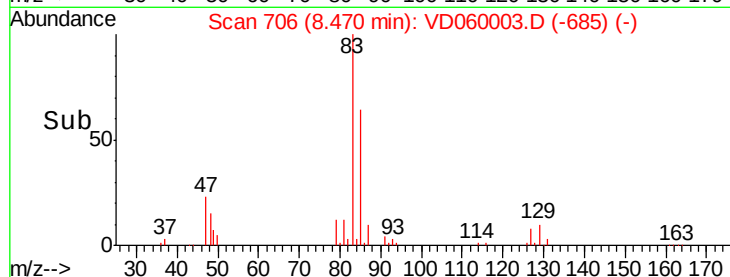
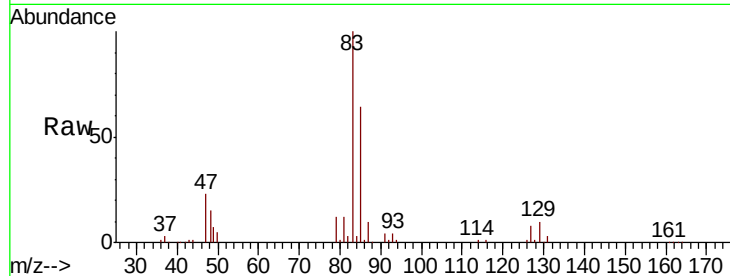
Tot Ion: 83 Resp: 415670

Ion Ratio Lower Upper

83 100

85 64.0 51.9 77.9

127 8.1 6.8 10.2



#48

Methyl methacrylate

Concen: 20.40 ug/l

RT: 8.22 min Scan# 681

Delta R.T. 0.00 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

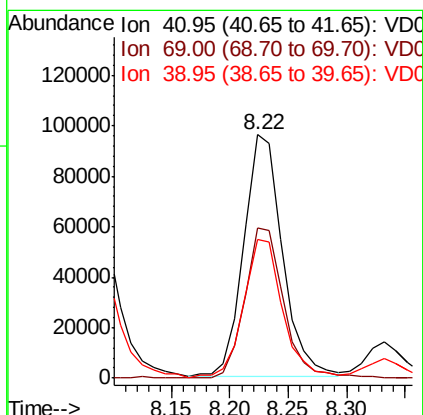
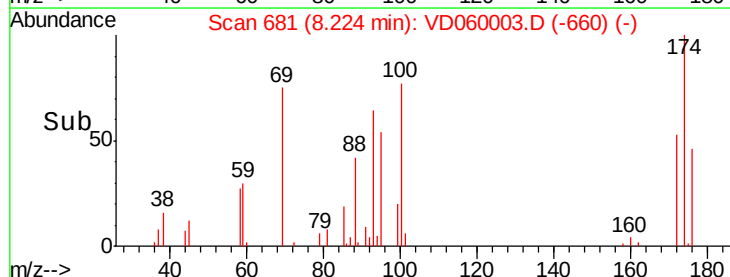
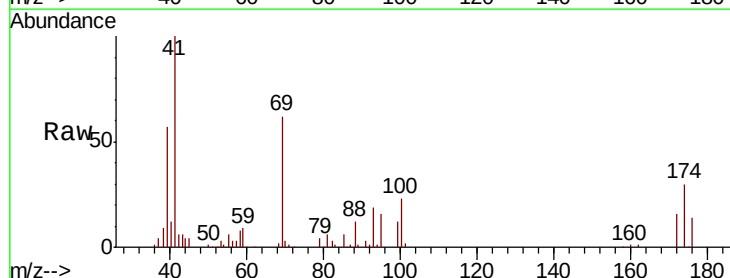
Tgt Ion: 41 Resp: 222057

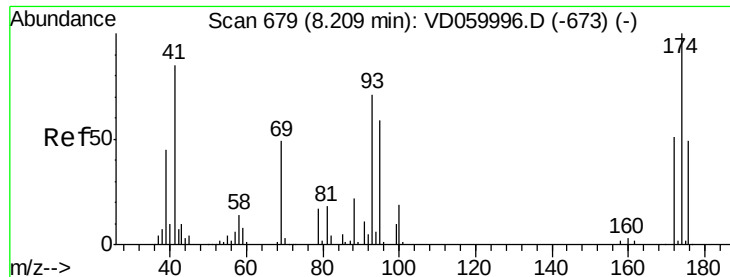
Ion Ratio Lower Upper

41 100

69 61.6 48.3 72.5

39 57.2 44.1 66.1





#49

1,4-Dioxane

Concen: 389.08 ug/l

RT: 8.21 min Scan# 680

Delta R.T. 0.00 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS01

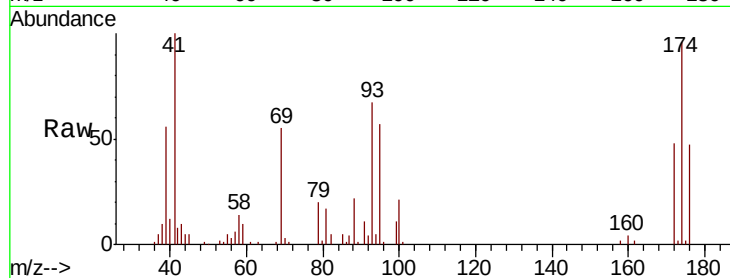
Tot Ion: 88 Resp: 42072

Ion Ratio Lower Upper

88 100

43 45.9 36.2 54.2

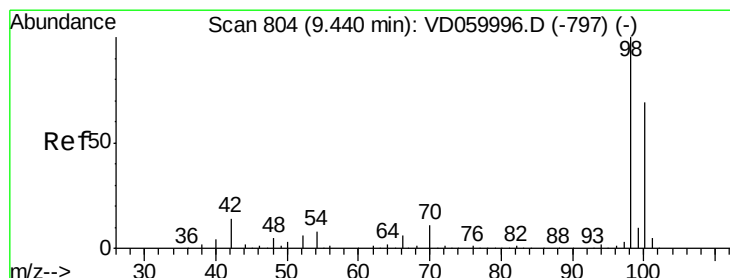
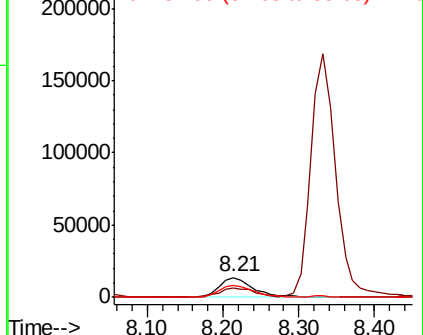
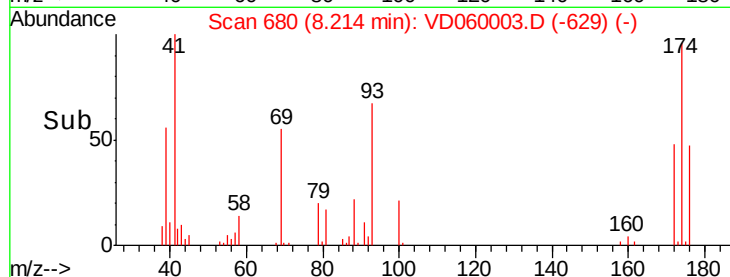
58 61.7 51.0 76.6



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: 389.08 ug/l

RT: 9.43 min Scan# 804

Delta R.T. -0.01 min

Lab File: VD060003.D

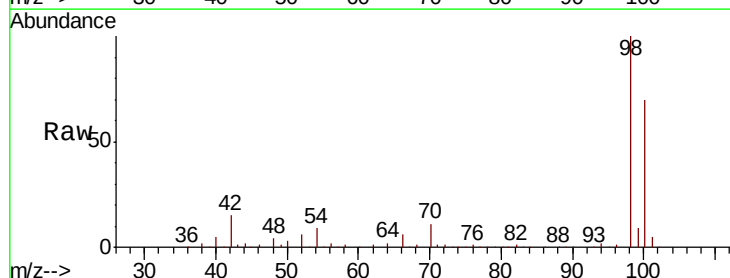
Acq: 14 Sep 2018 11:57

Tgt Ion: 98 Resp: 2439534

Ion Ratio Lower Upper

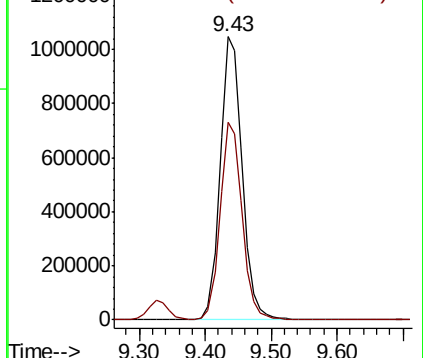
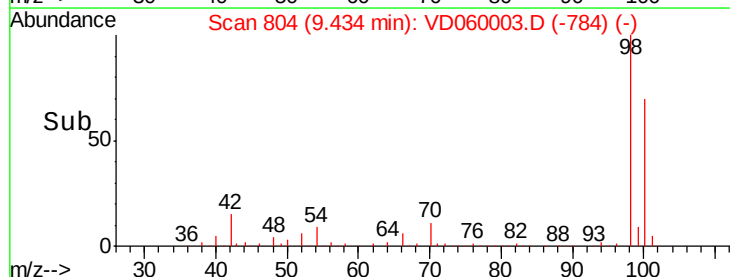
98 100

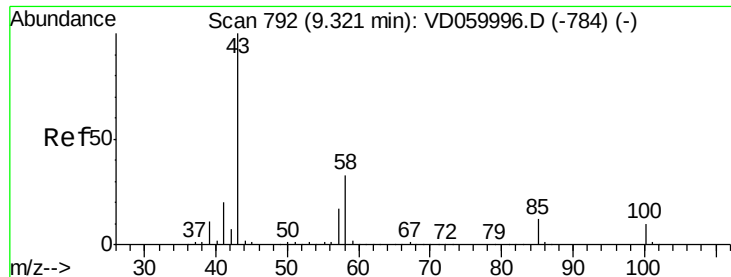
100 70.0 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 108.33 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

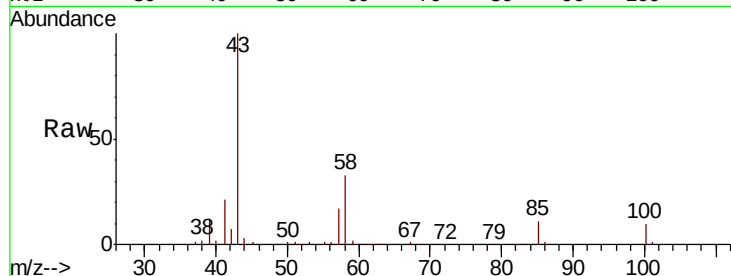
VD0914SBS01

Tot Ion: 43 Resp: 1547507

Ion Ratio Lower Upper

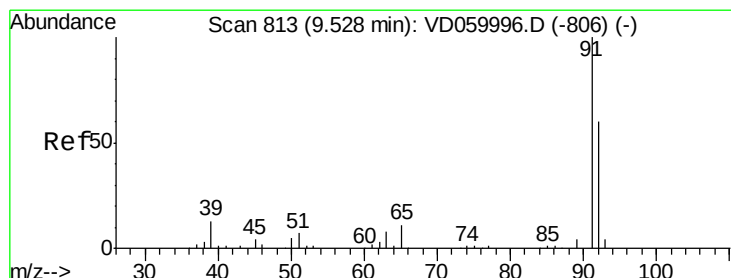
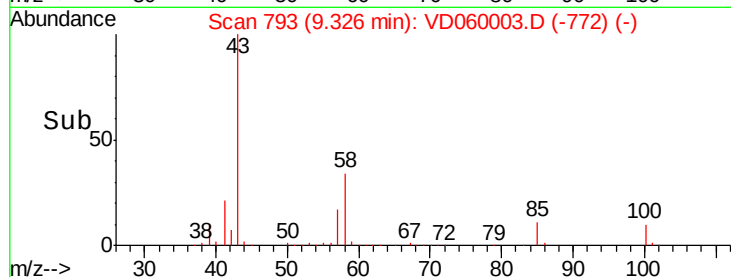
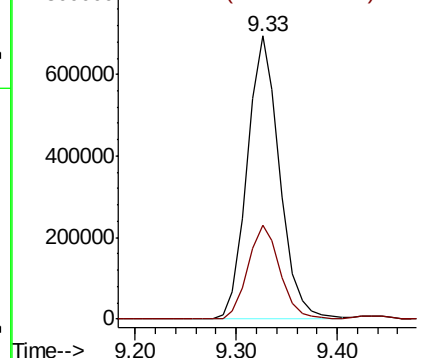
43 100

58 33.3 26.4 39.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.64 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.00 min

Lab File: VD060003.D

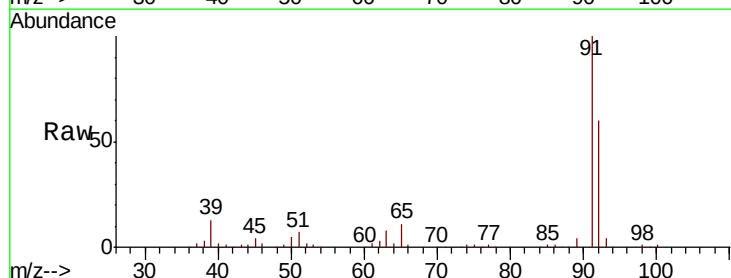
Acq: 14 Sep 2018 11:57

Tgt Ion: 92 Resp: 715834

Ion Ratio Lower Upper

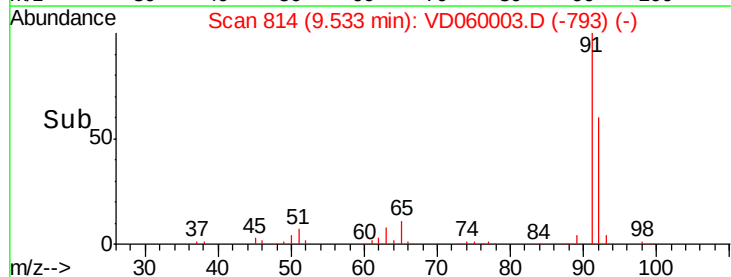
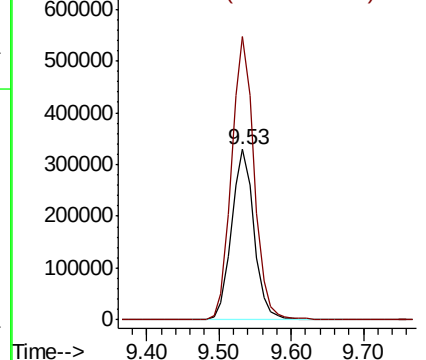
92 100

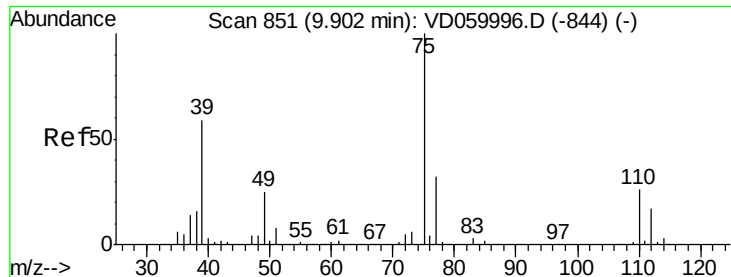
91 165.9 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.13 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.00 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

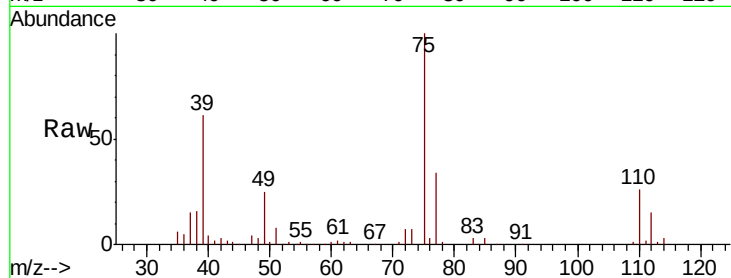
VD0914SBS01

Tot Ion: 75 Resp: 382105

Ion Ratio Lower Upper

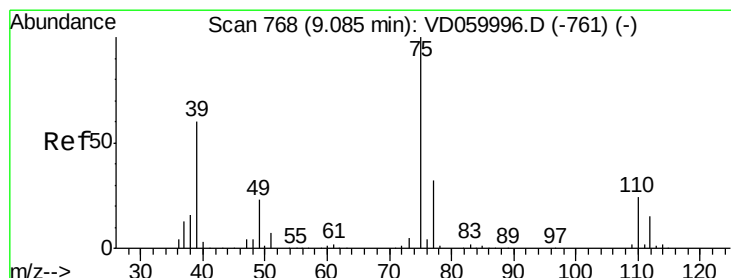
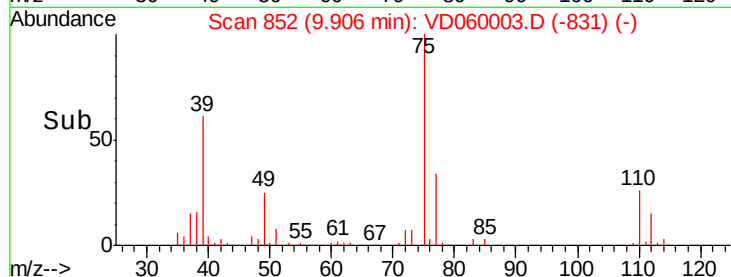
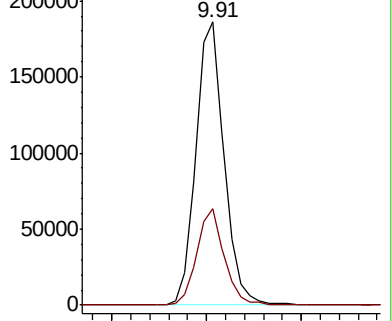
75 100

77 33.9 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.13 ug/l

RT: 9.08 min Scan# 768

Delta R.T. -0.01 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

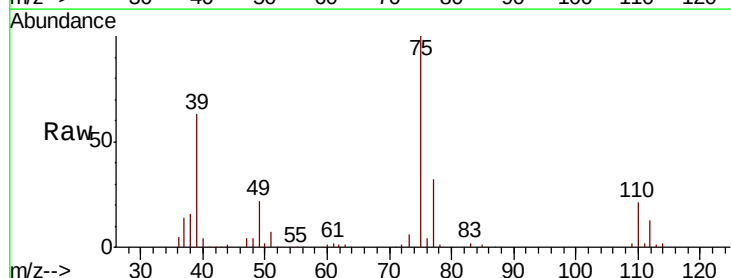
Tgt Ion: 75 Resp: 456564

Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

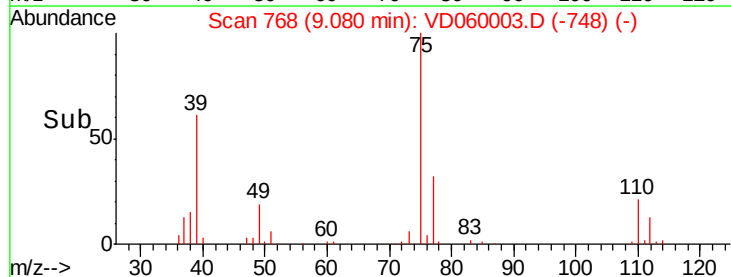
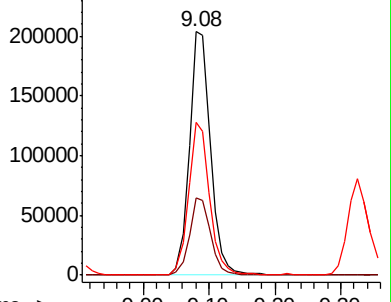
39 62.8 48.0 72.0

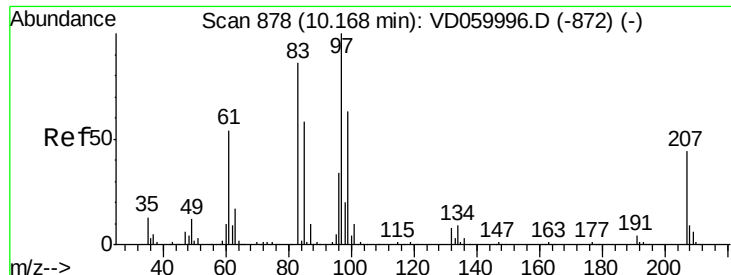


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 19.29 ug/l

RT: 10.16 min Scan# 878

Delta R.T. -0.01 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS01

Tot Ion: 97 Resp: 232311

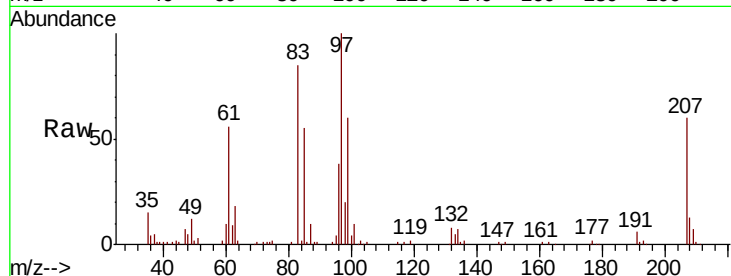
Ion Ratio Lower Upper

97 100

83 85.5 69.1 103.7

85 54.7 46.2 69.4

99 59.9 50.6 75.8

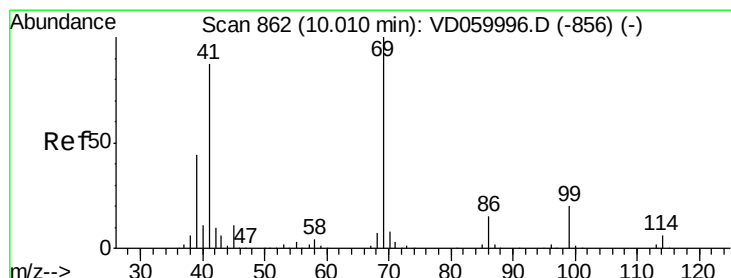
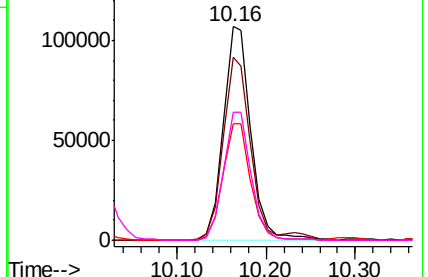
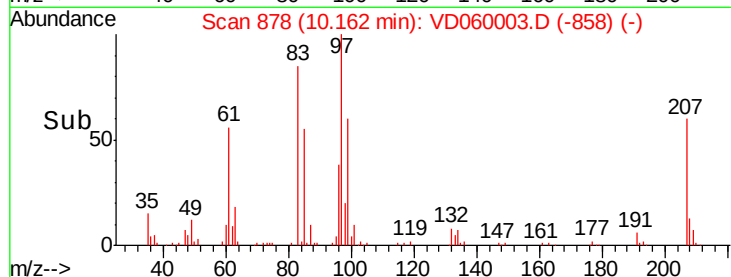


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 19.66 ug/l

RT: 10.01 min Scan# 863

Delta R.T. 0.00 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

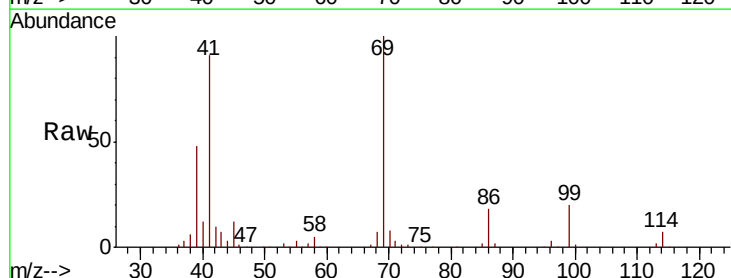
Tgt Ion: 69 Resp: 262550

Ion Ratio Lower Upper

69 100

41 91.3 70.1 105.1

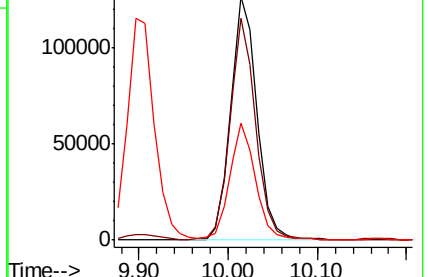
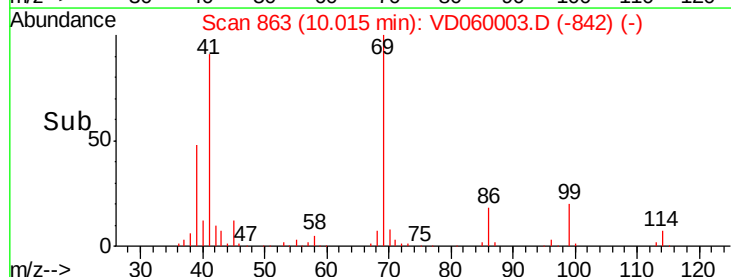
39 47.9 36.5 54.7

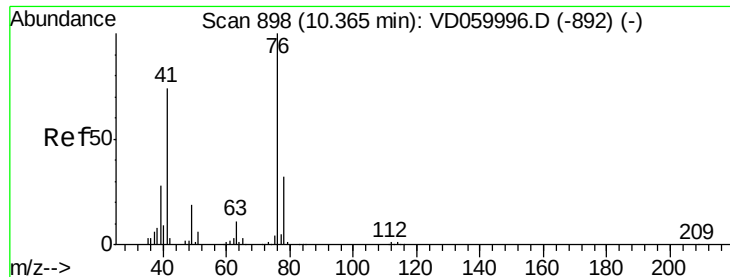


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.31 ug/l

RT: 10.37 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

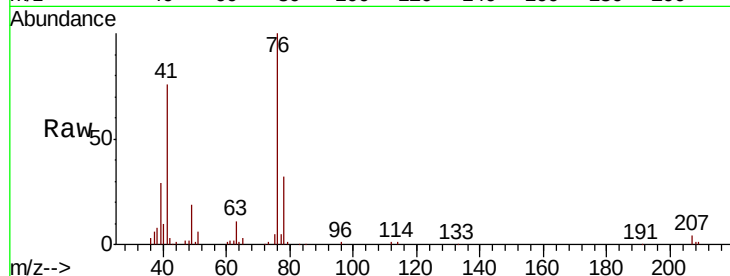
VD0914SBS01

Tot Ion: 76 Resp: 360986

Ion Ratio Lower Upper

76 100

78 32.5 25.3 37.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.37

200000

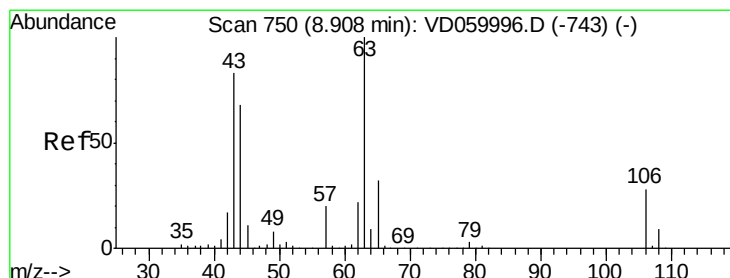
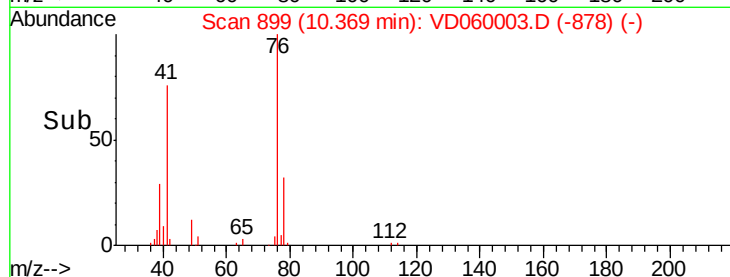
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 108.14 ug/l

RT: 8.90 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD060003.D

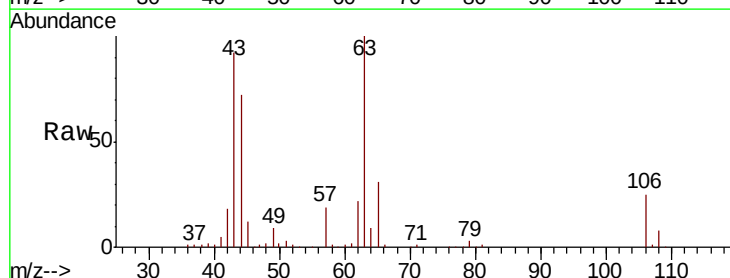
Acq: 14 Sep 2018 11:57

Tgt Ion: 63 Resp: 697521

Ion Ratio Lower Upper

63 100

106 25.5 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.90

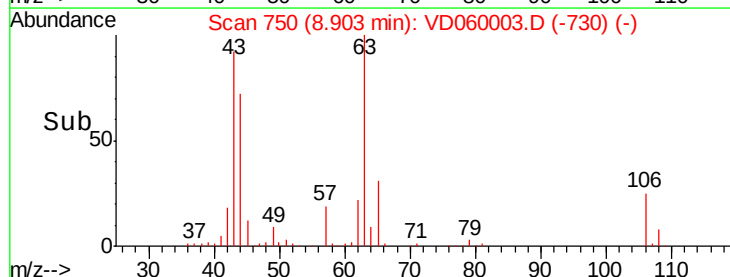
300000

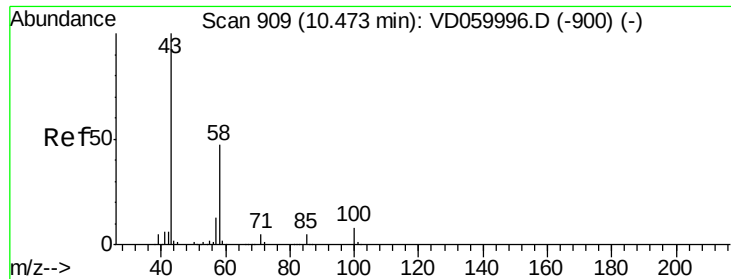
200000

100000

0

Time-->

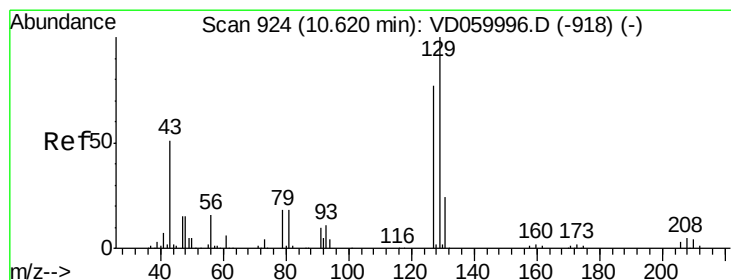
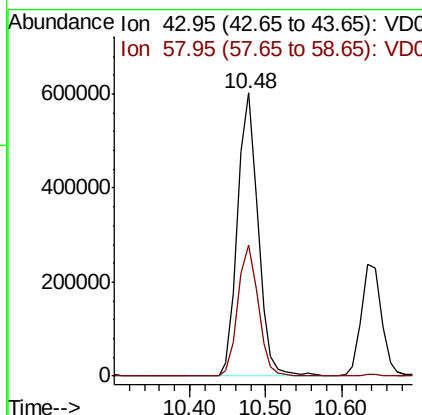
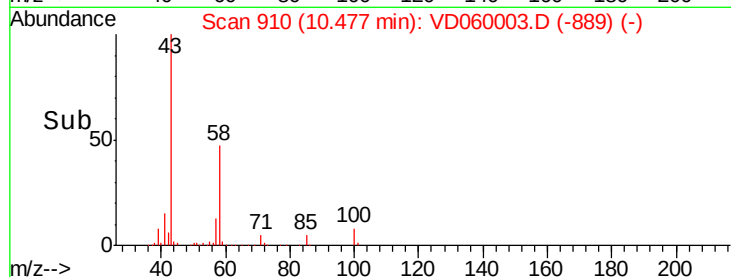
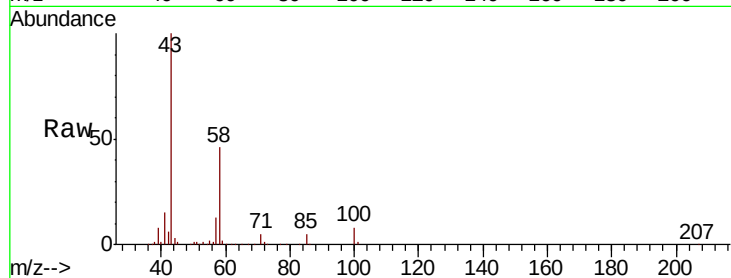




#59
2-Hexanone
Concen: 109.00 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

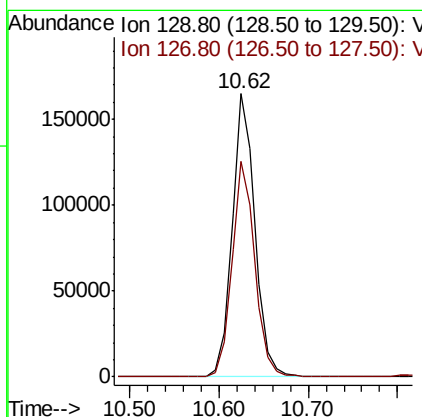
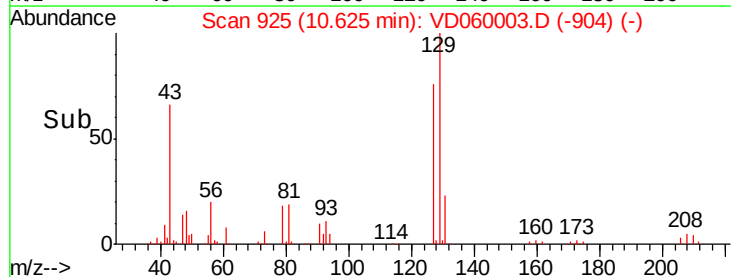
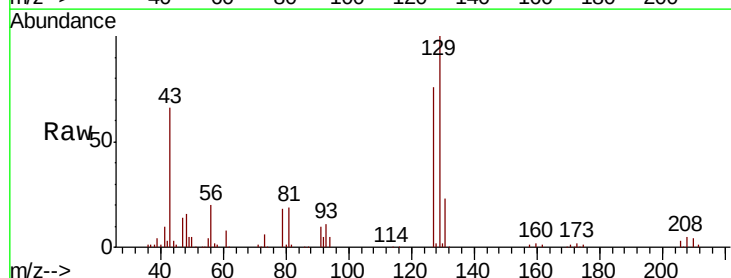
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS01

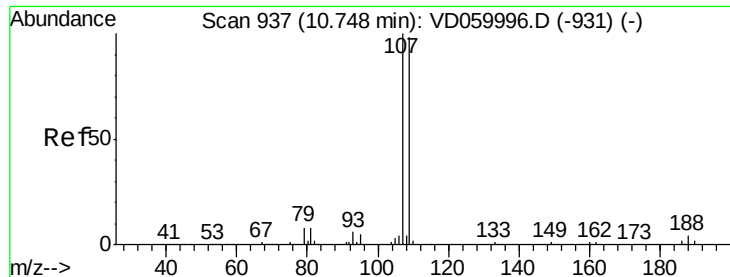
Tot Ion: 43 Resp: 1120751
Ion Ratio Lower Upper
43 100
58 46.5 23.4 70.0



#60
Dibromochloromethane
Concen: 20.15 ug/l
RT: 10.62 min Scan# 925
Delta R.T. 0.00 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

Tgt Ion: 129 Resp: 295386
Ion Ratio Lower Upper
129 100
127 76.3 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.59 ug/l

RT: 10.74 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

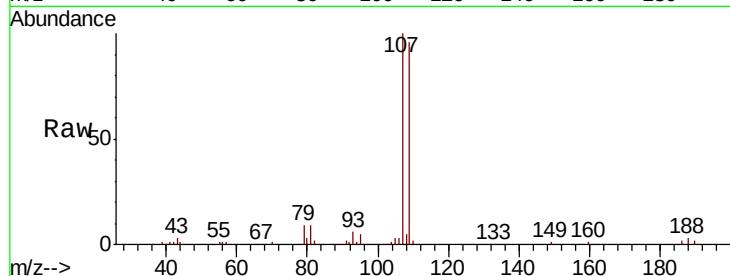
VD0914SBS01

Tot Ion:107 Resp: 243563

Ion Ratio Lower Upper

107 100

109 95.7 78.2 117.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.74

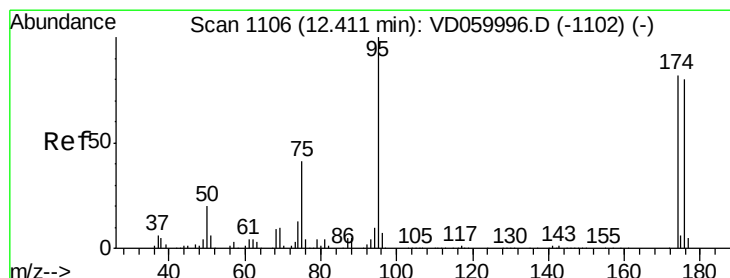
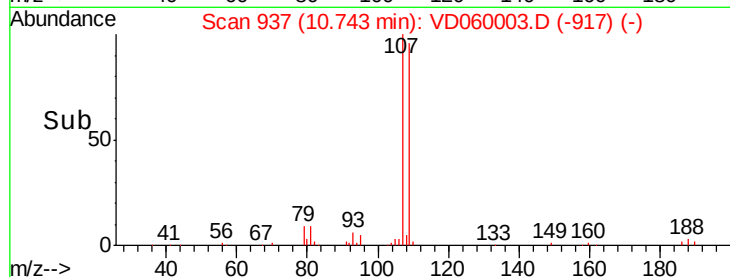
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 19.59 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

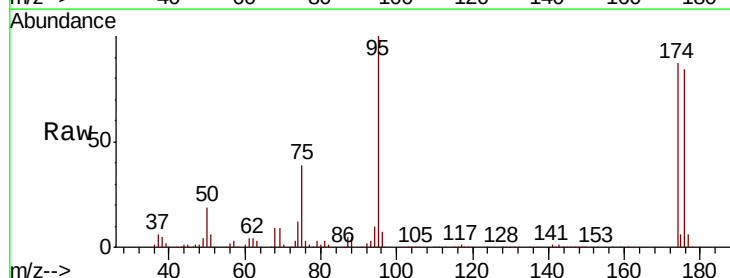
Tgt Ion: 95 Resp: 939266

Ion Ratio Lower Upper

95 100

174 86.5 0.0 165.0

176 83.6 0.0 160.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

800000

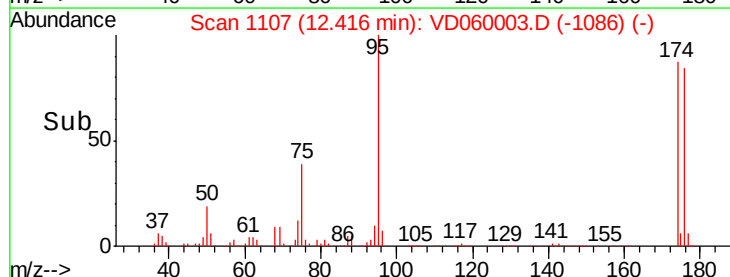
600000

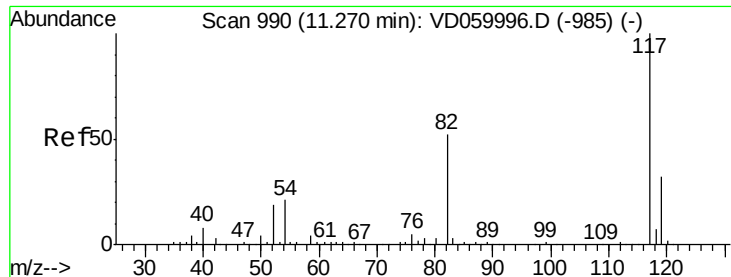
400000

200000

0

Time-->

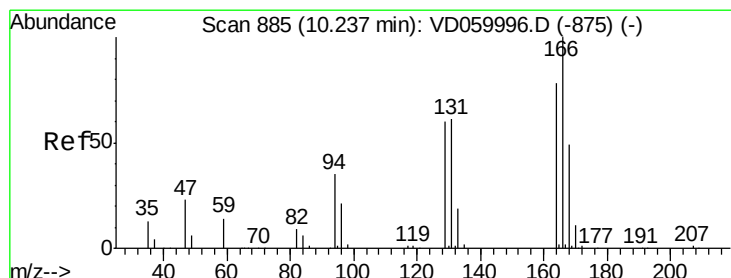
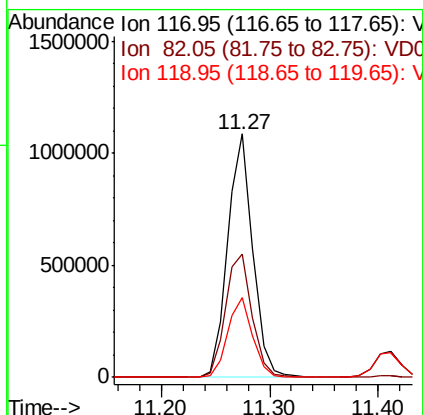
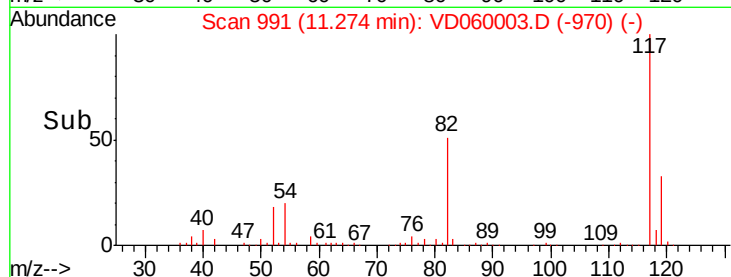
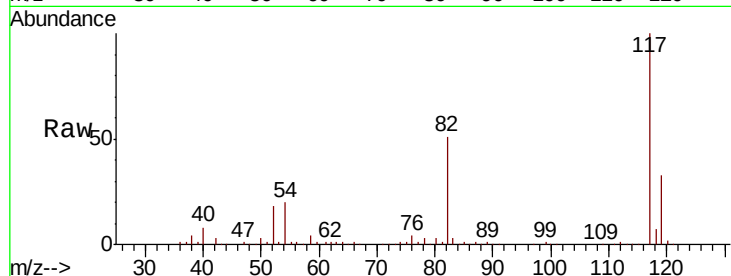




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.00 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

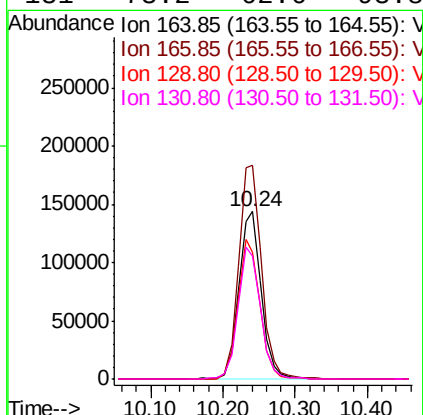
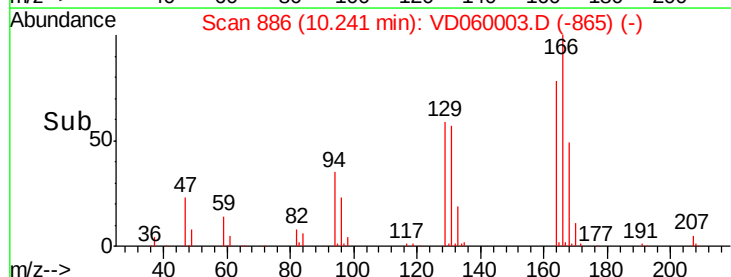
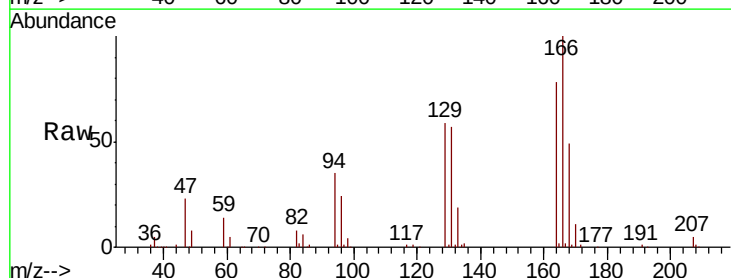
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS01

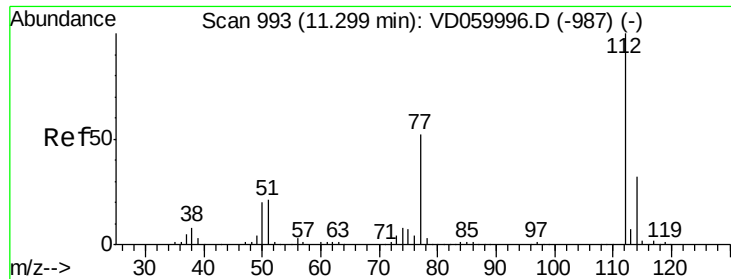
Tot Ion:117 Resp: 1749918
Ion Ratio Lower Upper
117 100
82 50.6 41.7 62.5
119 32.6 26.0 39.0



#64
Tetrachloroethene
Concen: 19.99 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.00 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

Tgt Ion:164 Resp: 308667
Ion Ratio Lower Upper
164 100
166 127.8 103.0 154.6
129 75.8 61.9 92.9
131 73.2 62.6 93.8

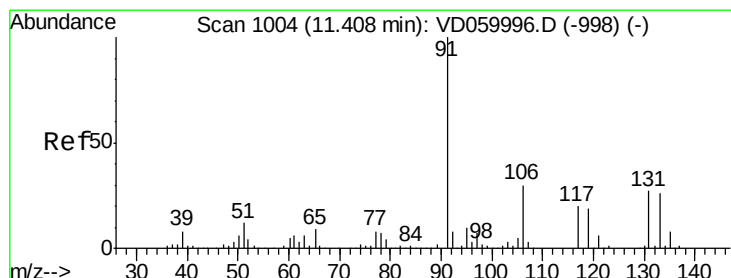
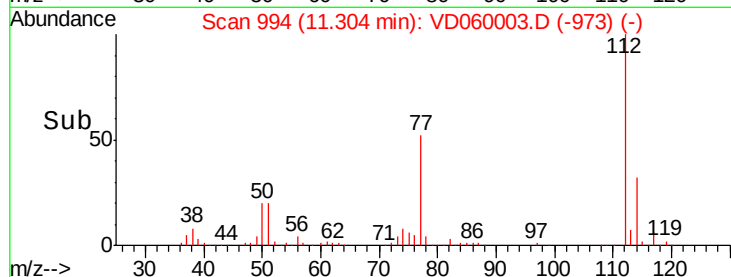
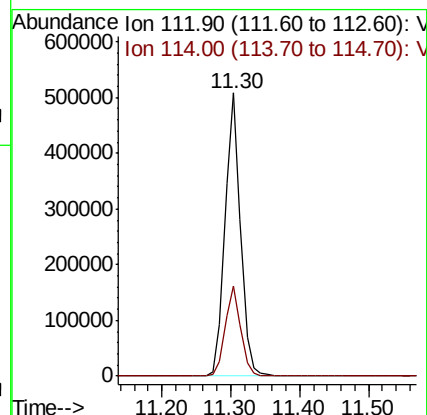
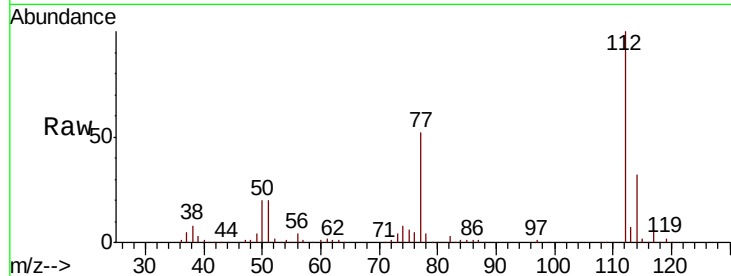




#65
Chlorobenzene
Concen: 21.00 ug/l
RT: 11.30 min Scan# 994
Delta R.T. 0.00 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

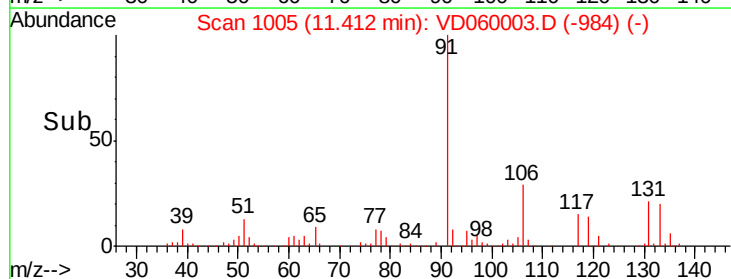
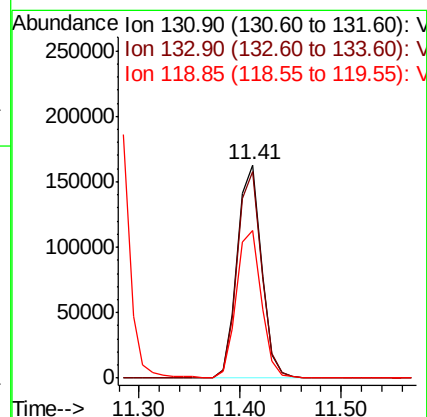
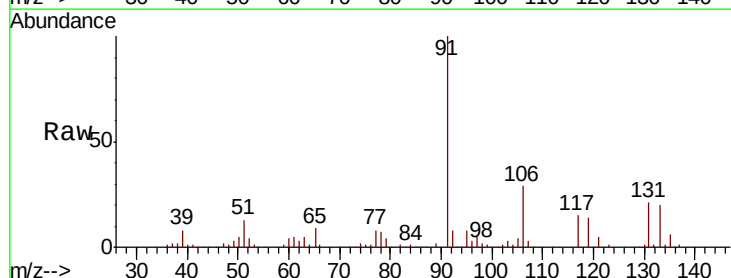
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS01

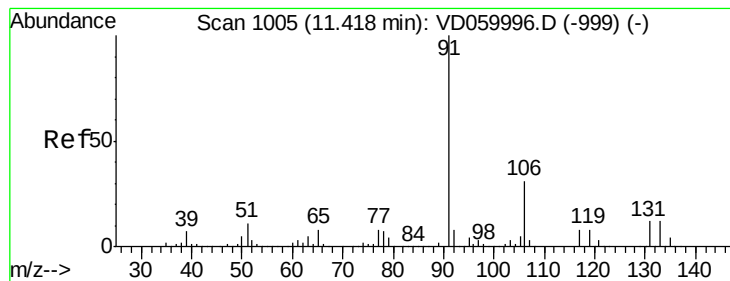
Tot Ion:112 Resp: 790064
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.50 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

Tgt Ion:131 Resp: 272766
Ion Ratio Lower Upper
131 100
133 96.8 47.4 142.3
119 69.3 35.6 106.9





#67

Ethyl Benzene

Concen: 22.47 ug/l

RT: 11.42 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

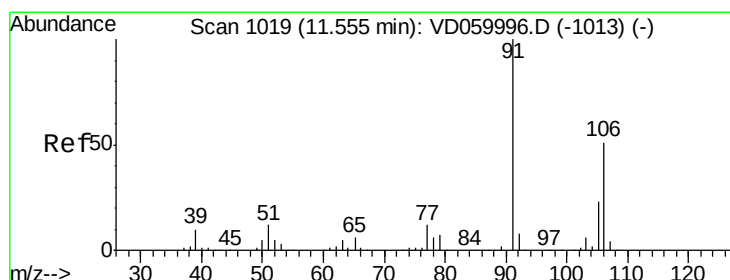
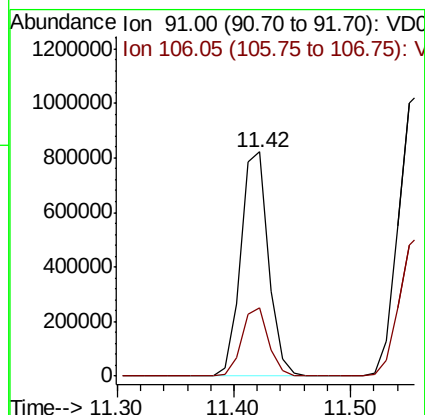
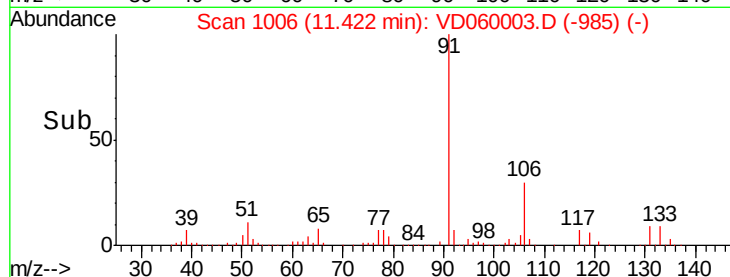
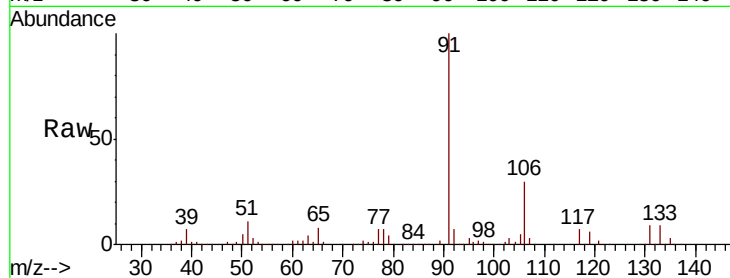
VD0914SBS01

Tot Ion: 91 Resp: 1360572

Ion Ratio Lower Upper

91 100

106 30.4 24.8 37.2



#68

m/p-Xylenes

Concen: 44.60 ug/l

RT: 11.56 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD060003.D

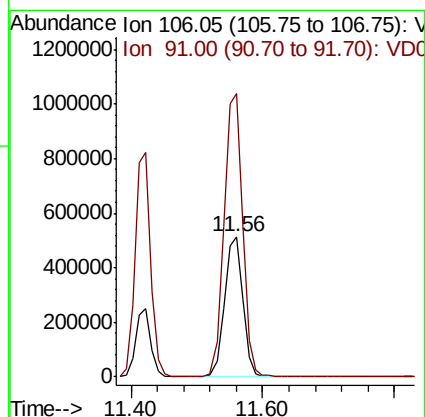
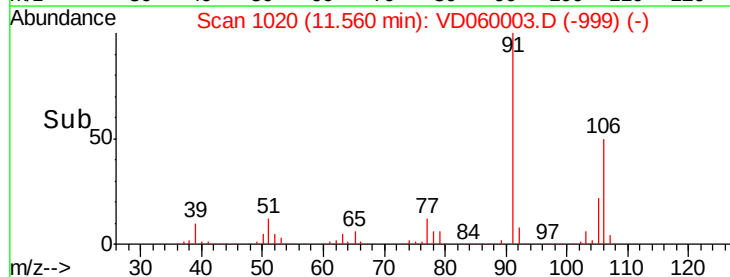
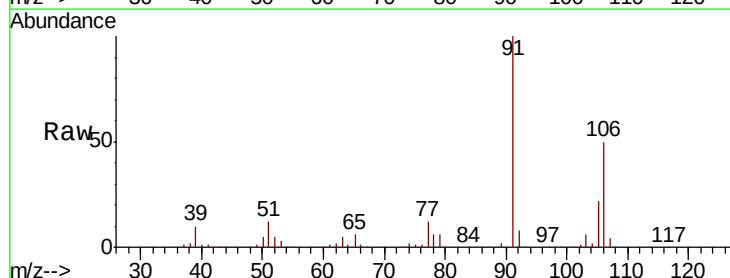
Acq: 14 Sep 2018 11:57

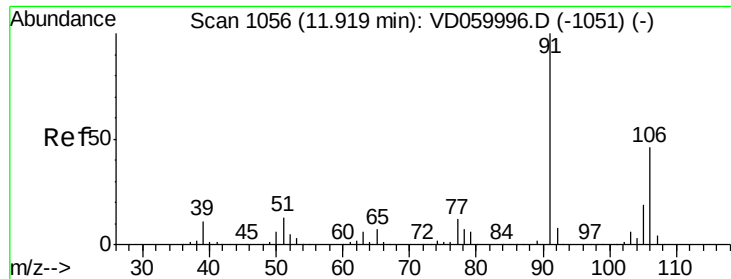
Tgt Ion:106 Resp: 997321

Ion Ratio Lower Upper

106 100

91 201.8 157.0 235.6

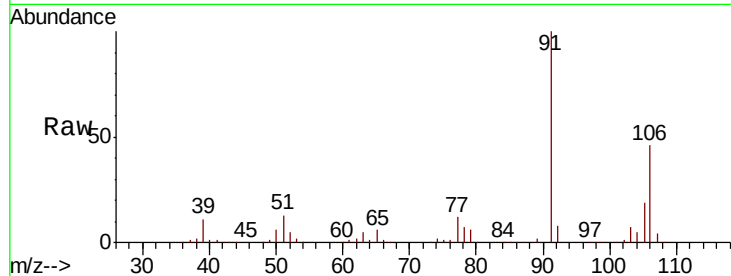




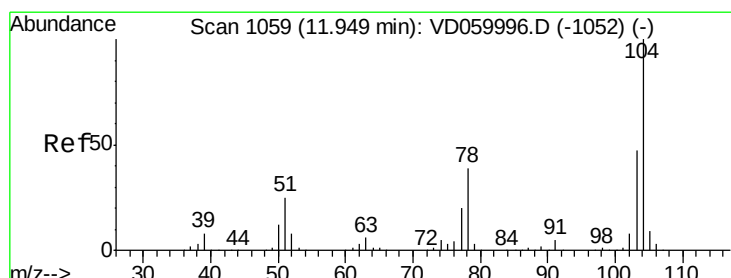
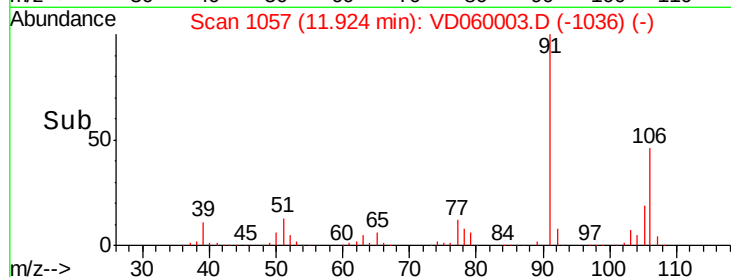
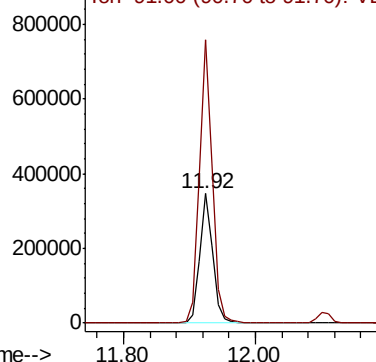
#69
o-Xylene
Concen: 21.74 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS01

Tot Ion:106 Resp: 481578
Ion Ratio Lower Upper
106 100
91 219.0 107.7 323.1

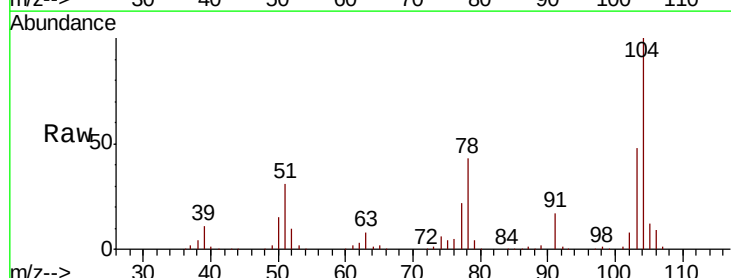


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

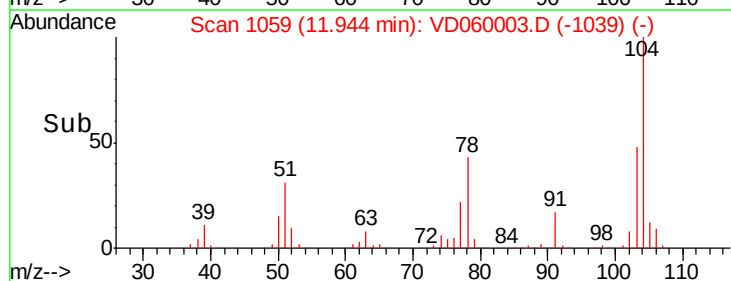
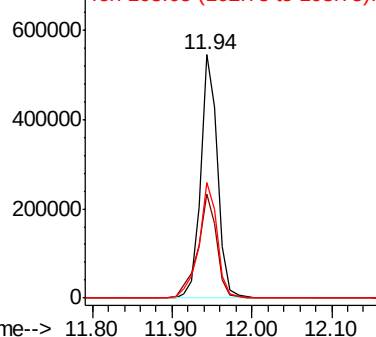


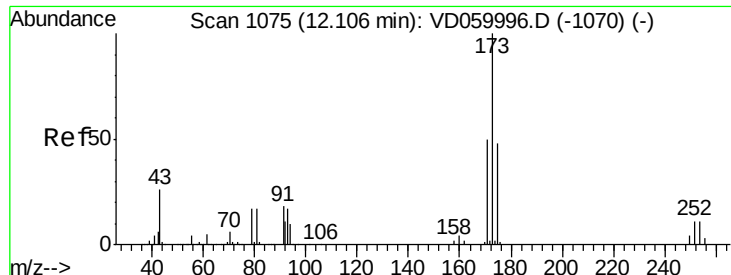
#70
Styrene
Concen: 21.79 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.01 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

Tgt Ion:104 Resp: 811724
Ion Ratio Lower Upper
104 100
78 42.6 31.0 46.4
103 47.7 37.6 56.4



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: 19.07 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS01

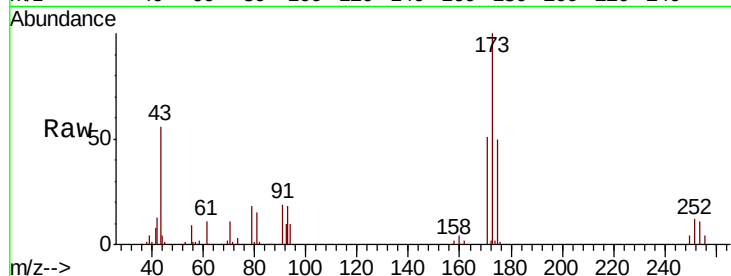
Tot Ion:173 Resp: 207859

Ion Ratio Lower Upper

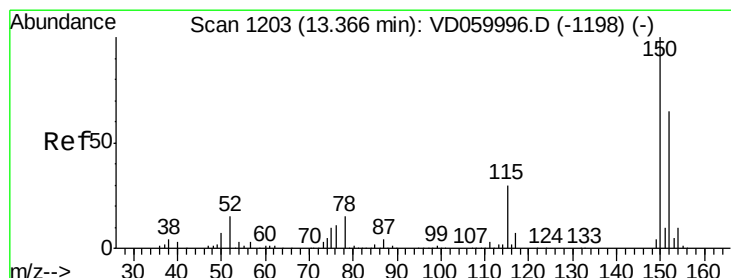
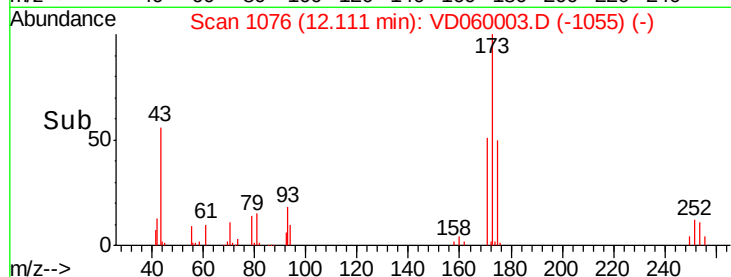
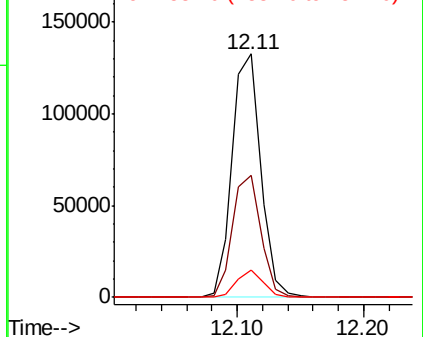
173 100

175 50.0 24.0 72.0

254 11.0 8.6 13.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

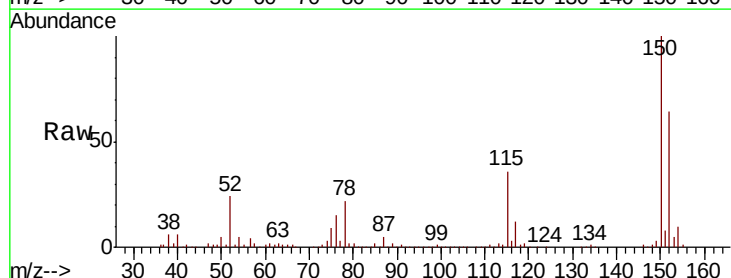
Tgt Ion:152 Resp: 920924

Ion Ratio Lower Upper

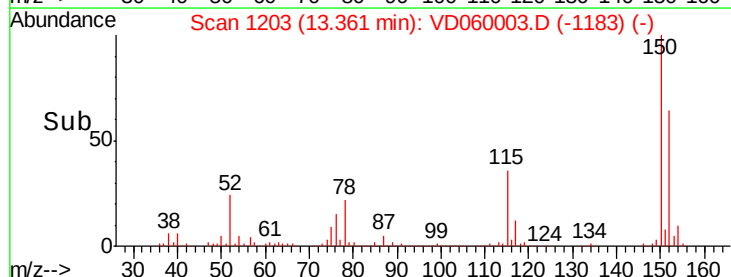
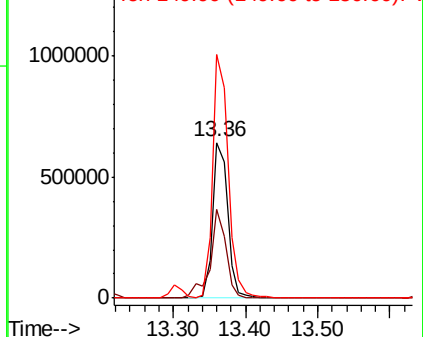
152 100

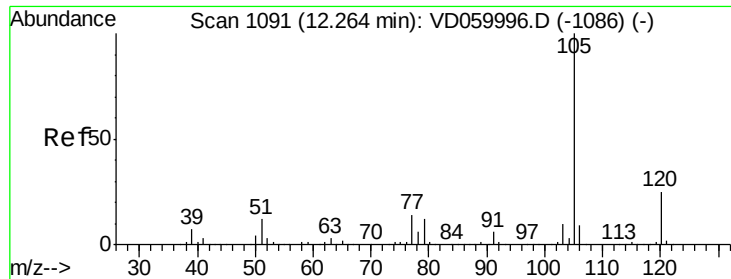
115 56.9 24.6 73.8

150 156.4 0.0 313.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.40 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

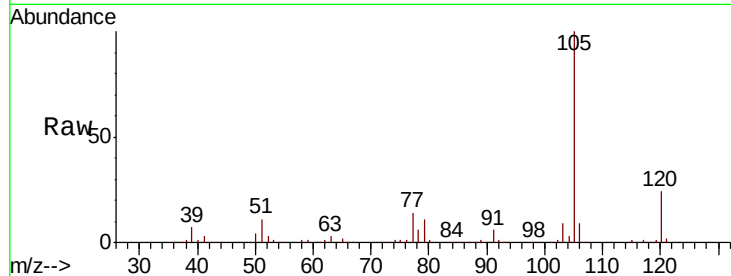
VD0914SBS01

Tot Ion:105 Resp: 1292236

Ion Ratio Lower Upper

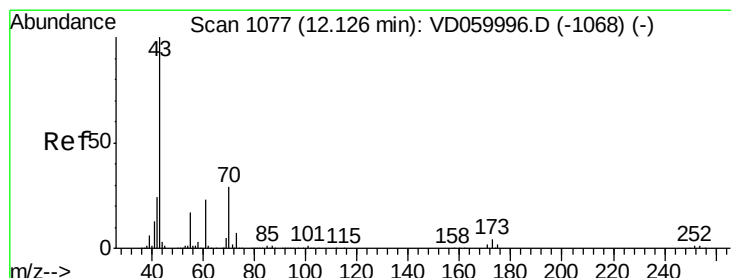
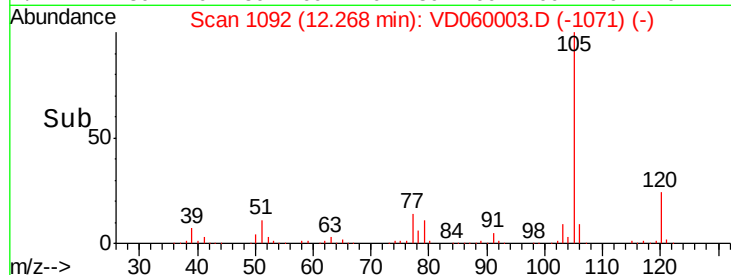
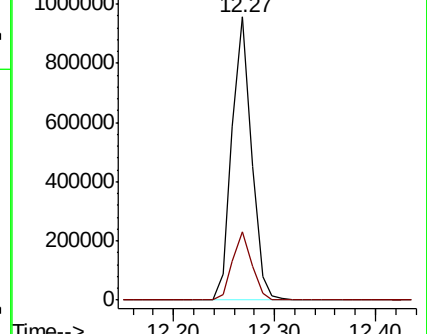
105 100

120 24.3 12.3 36.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.65 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

Tgt Ion: 43 Resp: 494013

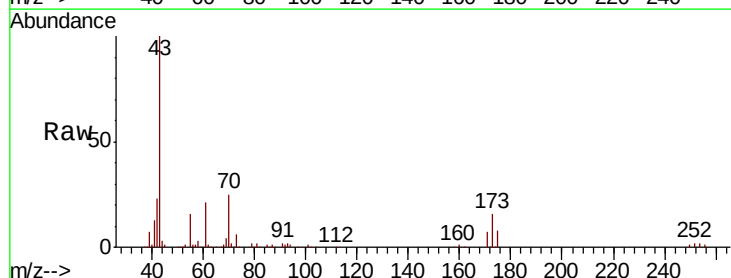
Ion Ratio Lower Upper

43 100

70 25.2 22.9 34.3

55 16.4 14.0 21.0

61 20.9 18.7 28.1

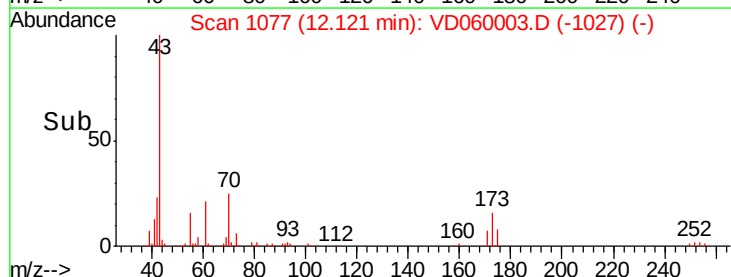
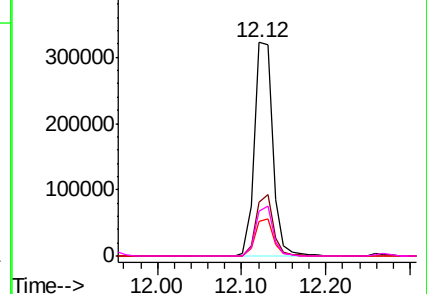


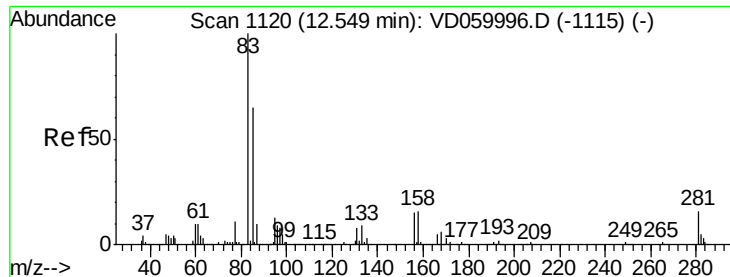
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

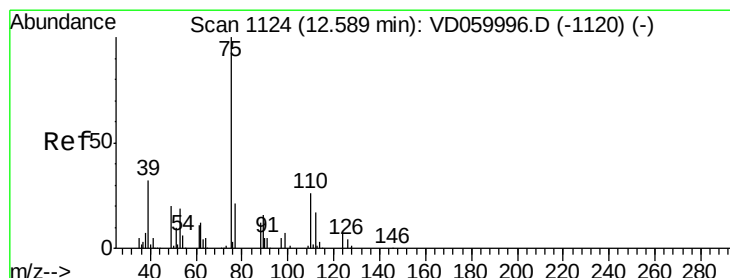
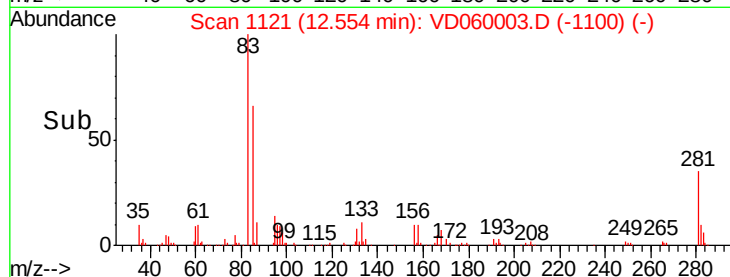
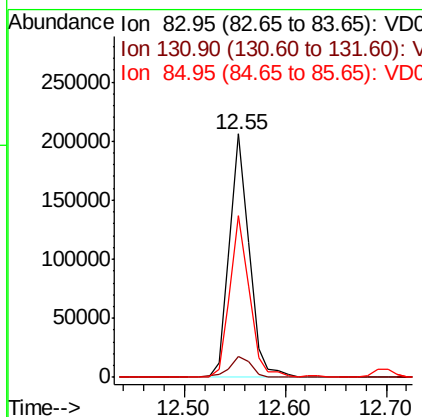
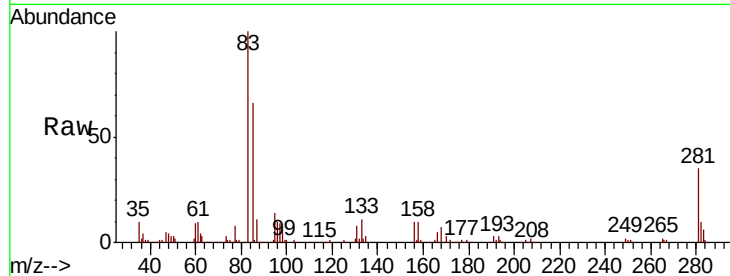




#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.48 ug/l
 RT: 12.55 min Scan# 1121
 Delta R.T. 0.00 min
 Lab File: VD060003.D
 Acq: 14 Sep 2018 11:57

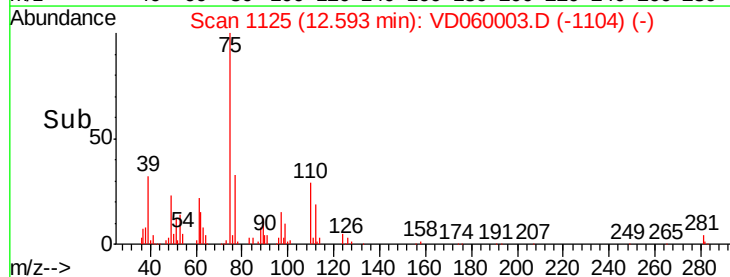
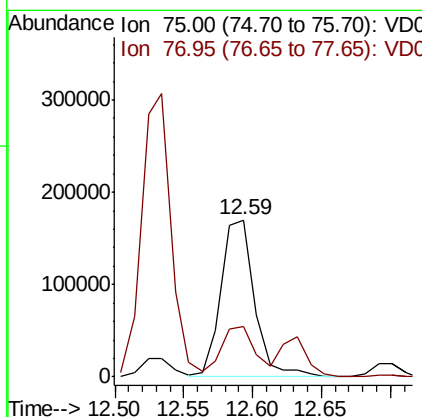
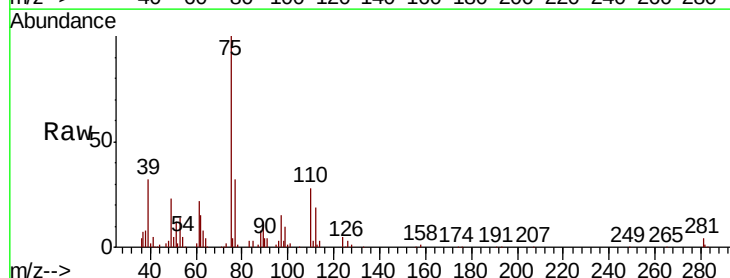
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS01

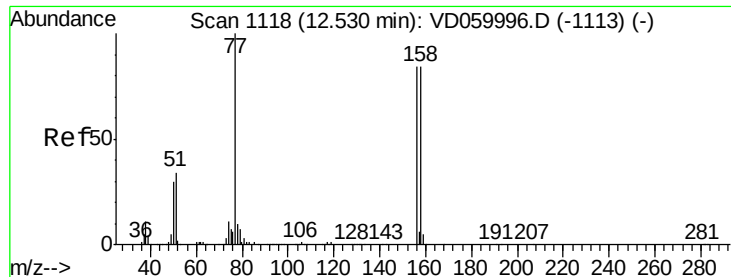
Tot Ion	83	Resp	280593
Ion Ratio	100		
Lower		4.1	
Upper		12.3	
85	66.5	32.4	97.2



#76
 1,2,3-Trichloropropane
 Concen: 20.30 ug/l
 RT: 12.59 min Scan# 1125
 Delta R.T. 0.00 min
 Lab File: VD060003.D
 Acq: 14 Sep 2018 11:57

Tgt Ion	75	Resp	285492
Ion Ratio	100		
Lower		16.4	
Upper		49.4	
77	32.5		





#77

Bromobenzene

Concen: 21.04 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. 0.00 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS01

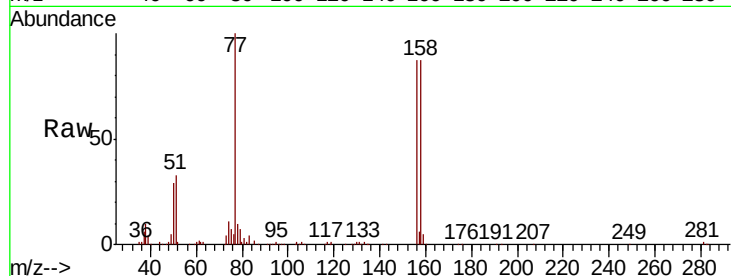
Tot Ion:156 Resp: 366004

Ion Ratio Lower Upper

156 100

77 114.7 59.5 178.4

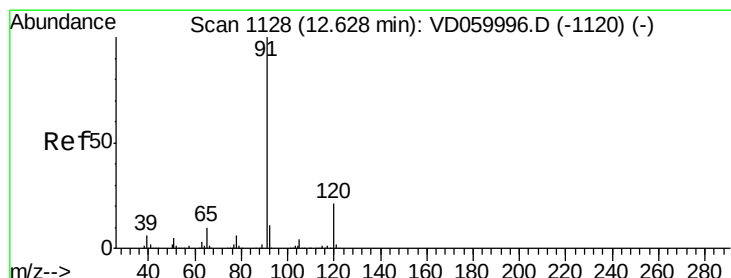
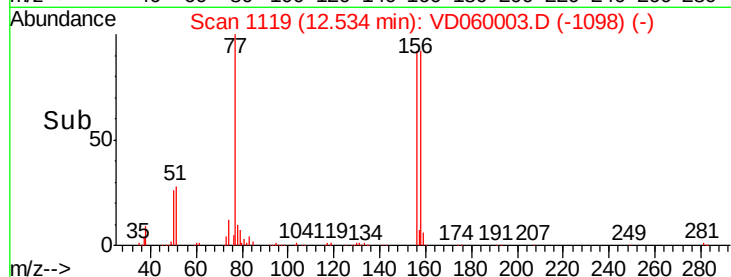
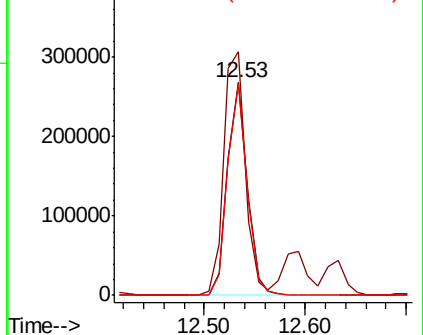
158 99.5 50.0 149.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.46 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VD060003.D

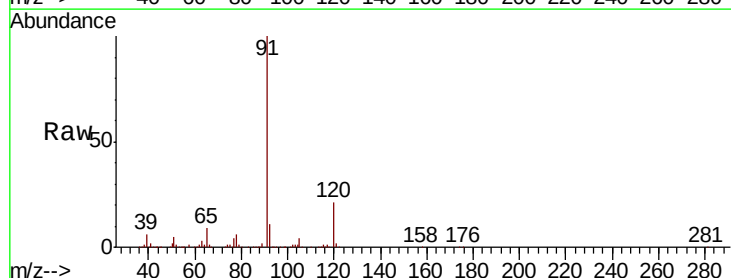
Acq: 14 Sep 2018 11:57

Tgt Ion: 91 Resp: 1706099

Ion Ratio Lower Upper

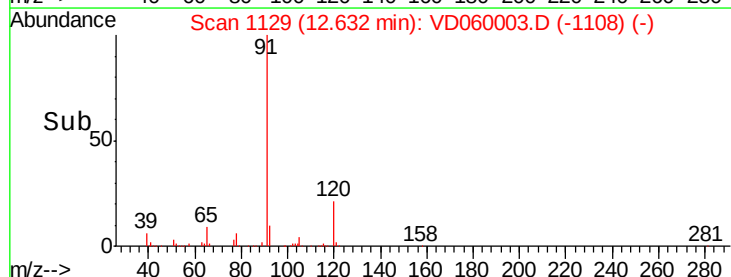
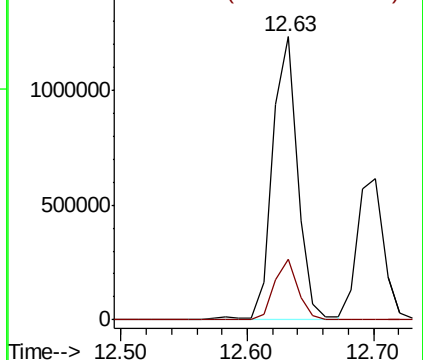
91 100

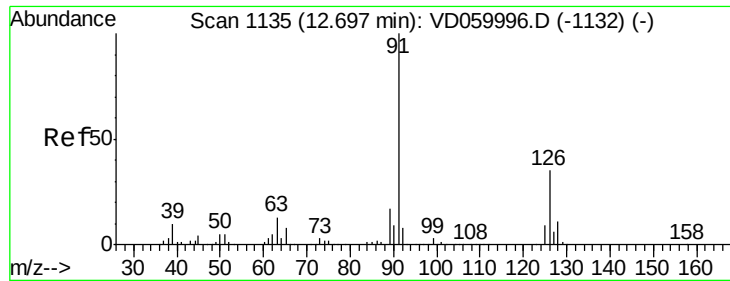
120 21.4 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

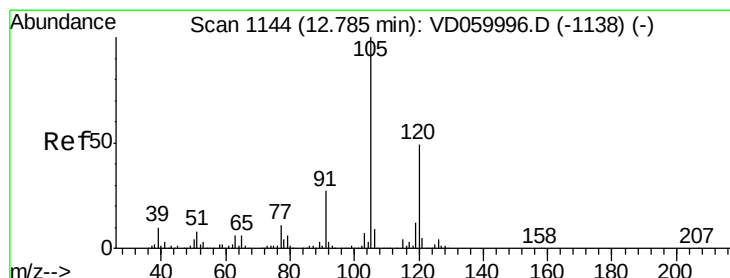
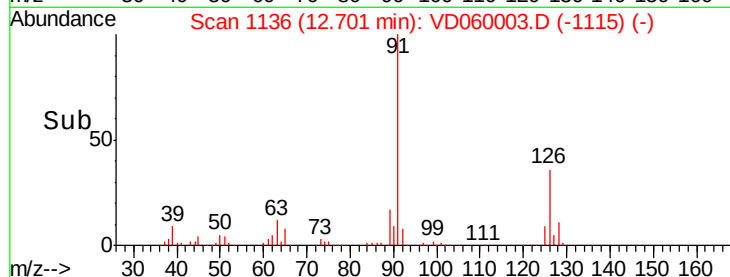
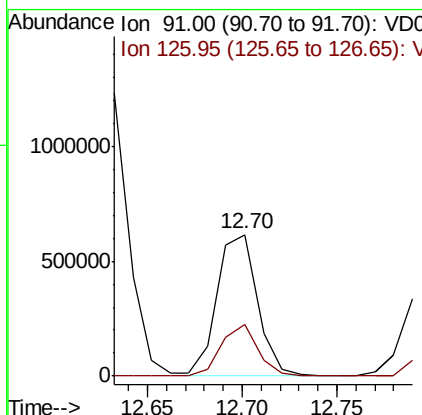
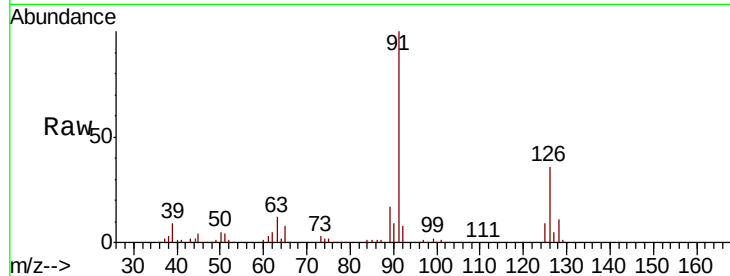




#79
 2-Chlorotoluene
 Concen: 21.15 ug/l
 RT: 12.70 min Scan# 1136
 Delta R.T. 0.00 min
 Lab File: VD060003.D
 Acq: 14 Sep 2018 11:57

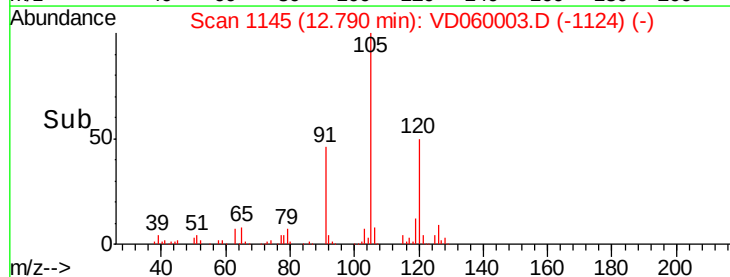
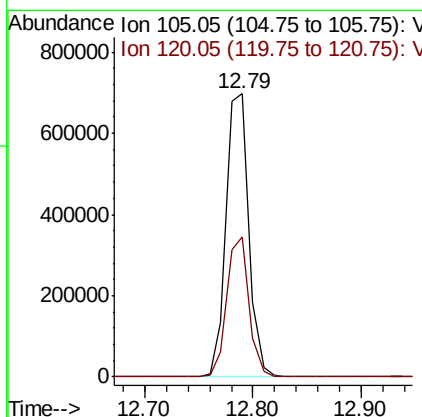
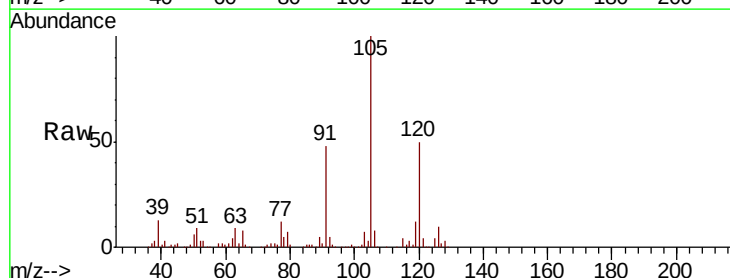
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS01

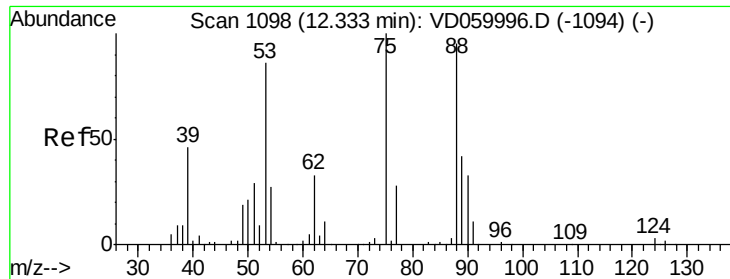
Tot Ion: 91 Resp: 906787
 Ion Ratio Lower Upper
 91 100
 126 36.1 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 22.08 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VD060003.D
 Acq: 14 Sep 2018 11:57

Tgt Ion: 105 Resp: 1022033
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.84 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS01

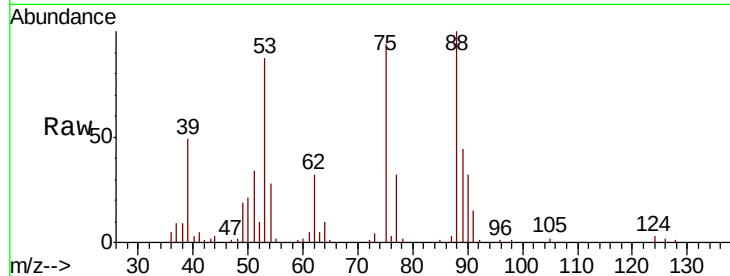
Tot Ion: 75 Resp: 80007

Ion Ratio Lower Upper

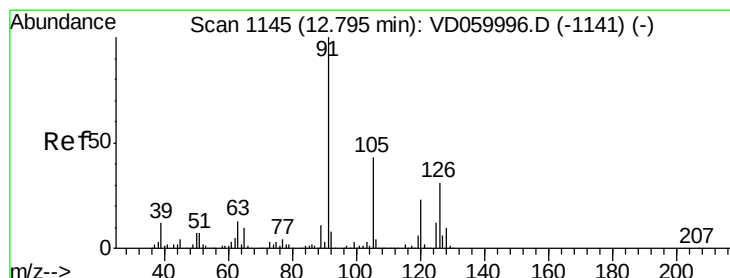
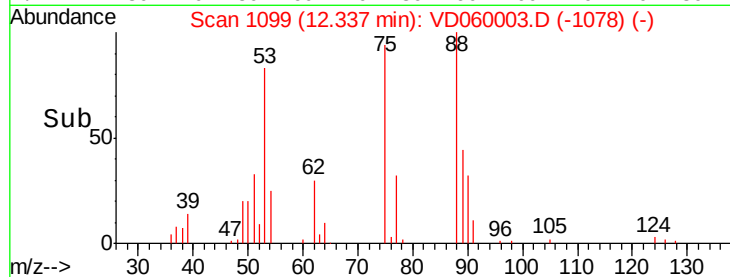
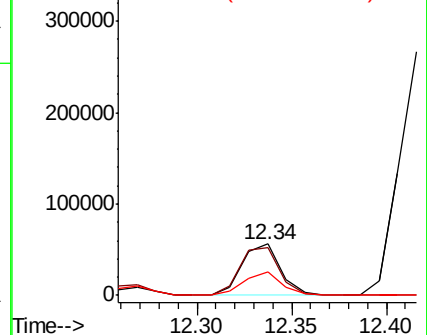
75 100

53 92.7 68.4 102.6

89 46.8 33.8 50.6



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



#82

4-Chlorotoluene

Concen: 22.00 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060003.D

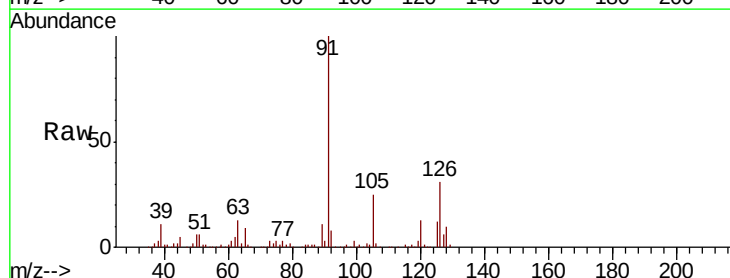
Acq: 14 Sep 2018 11:57

Tgt Ion: 91 Resp: 1036749

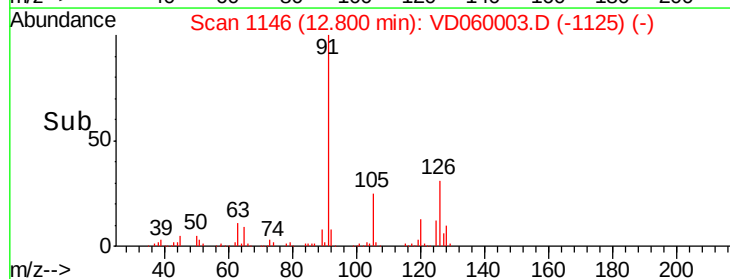
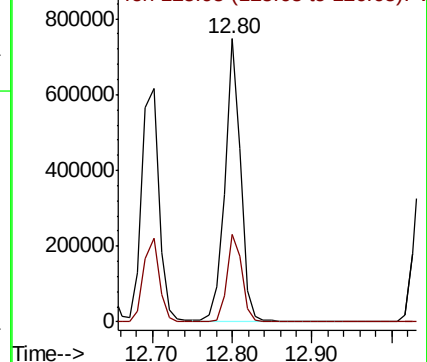
Ion Ratio Lower Upper

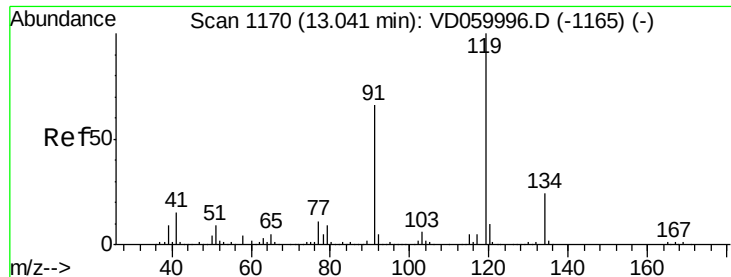
91 100

126 31.0 15.4 46.1



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



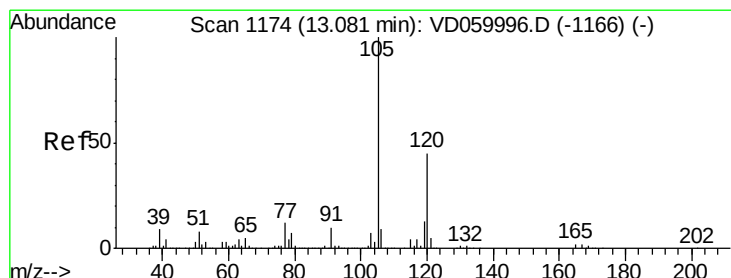
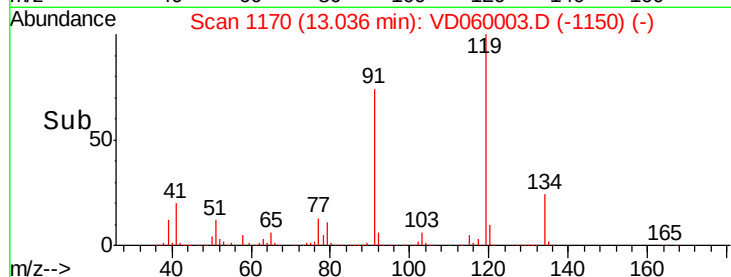
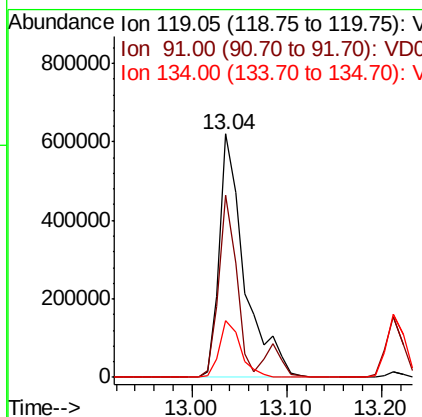
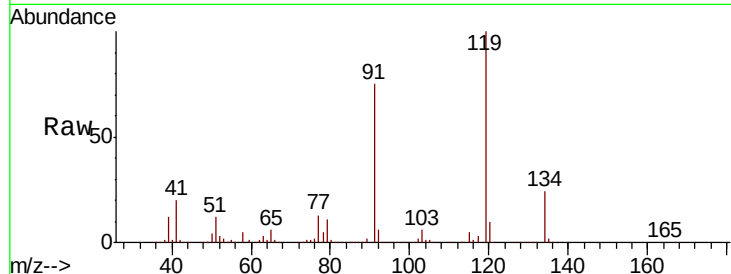


#83
 tert-Butylbenzene
 Concen: 21.45 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: VD060003.D
 Acq: 14 Sep 2018 11:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS01

Tot Ion:119 Resp: 1150313

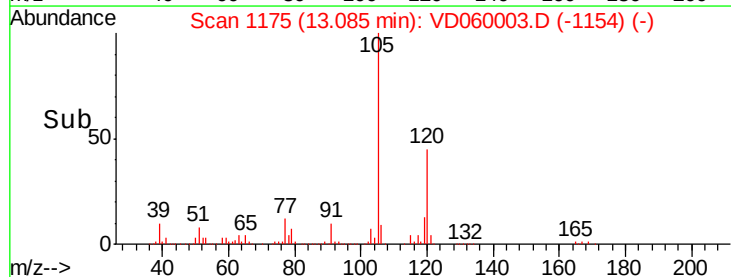
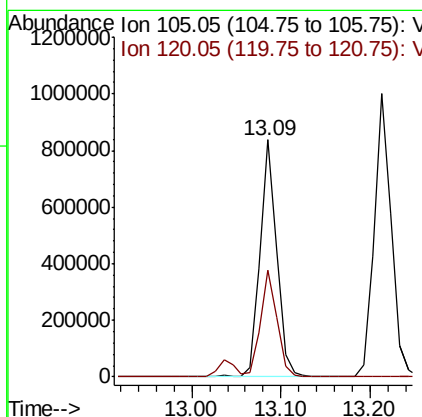
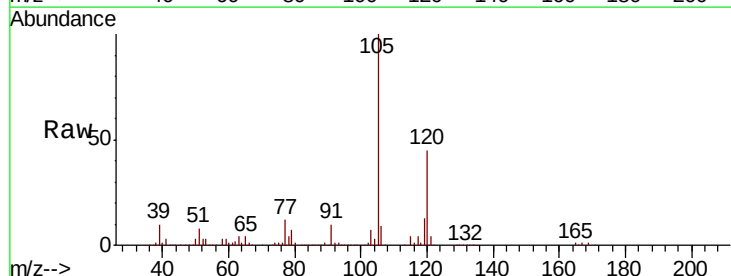
Ion	Ratio	Lower	Upper
119	100		
91	74.9	32.9	98.6
134	23.5	12.0	36.0

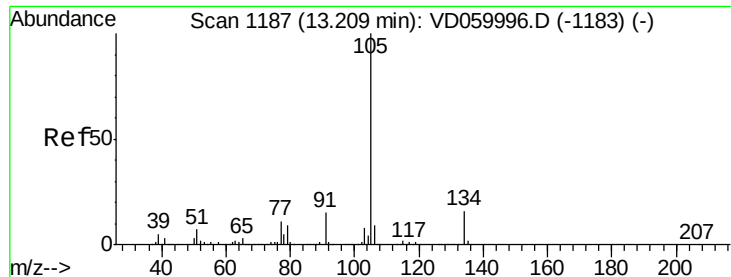


#84
 1,2,4-Trimethylbenzene
 Concen: 21.65 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VD060003.D
 Acq: 14 Sep 2018 11:57

Tgt Ion:105 Resp: 1069447

Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.4	67.0

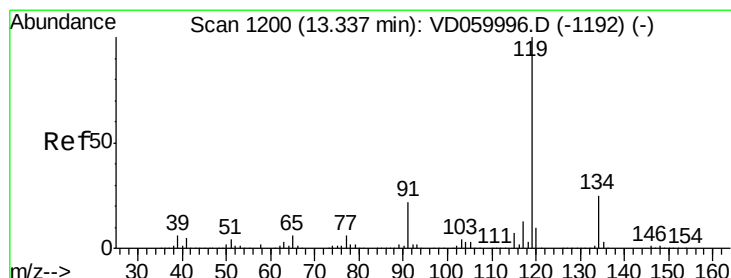
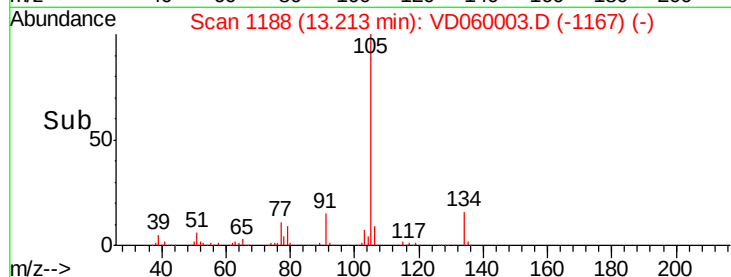
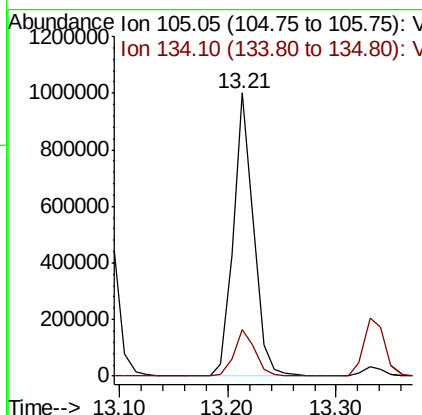
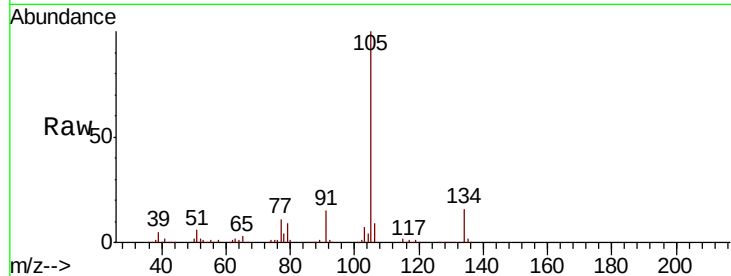




#85
 sec-Butylbenzene
 Concen: 20.34 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VD060003.D
 Acq: 14 Sep 2018 11:57

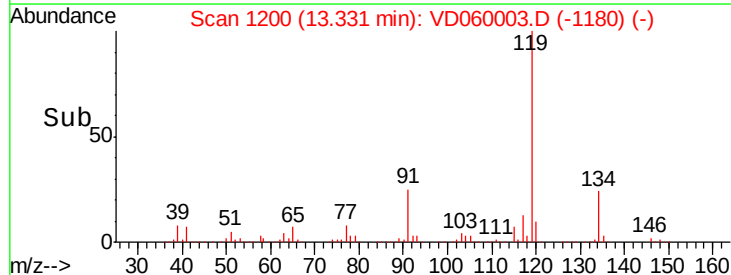
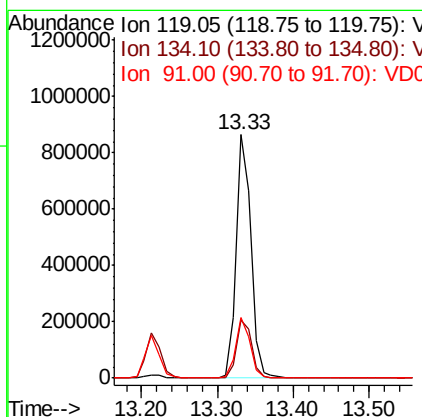
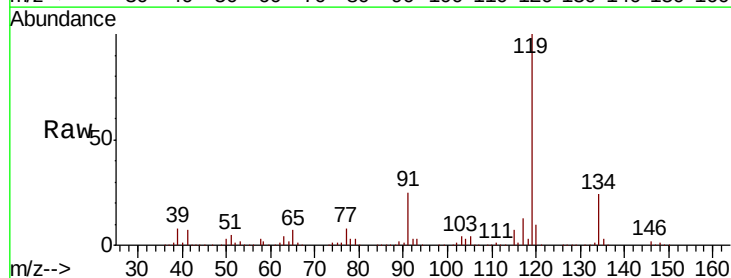
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0914SBS01

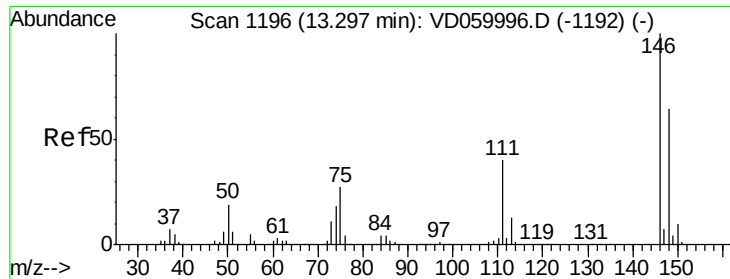
Tot Ion:105 Resp: 1294601
 Ion Ratio Lower Upper
 105 100
 134 16.3 8.2 24.6



#86
 p-Isopropyltoluene
 Concen: 22.20 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VD060003.D
 Acq: 14 Sep 2018 11:57

Tgt Ion:119 Resp: 1143308
 Ion Ratio Lower Upper
 119 100
 134 24.0 12.8 38.3
 91 25.1 11.1 33.3

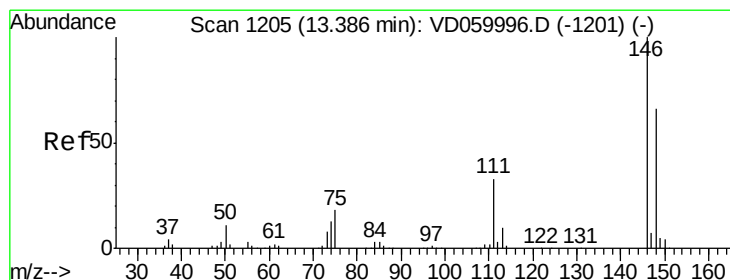
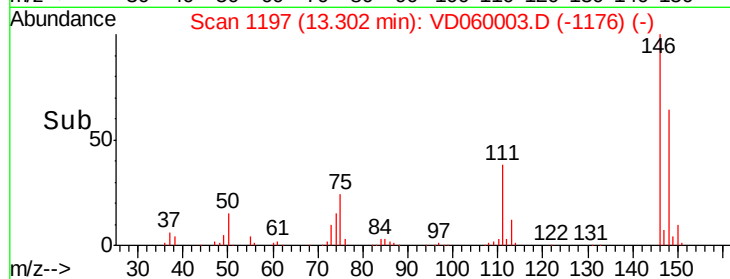
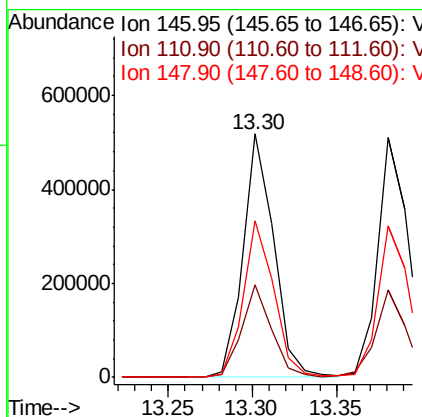
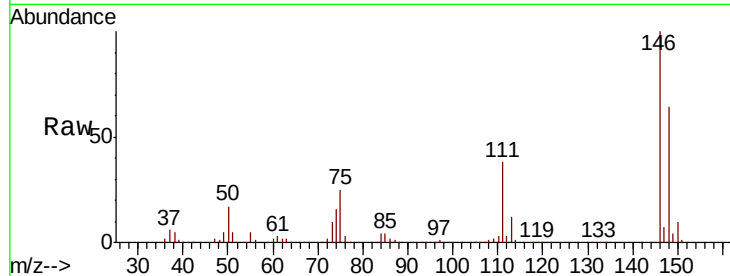




#87
 1,3-Dichlorobenzene
 Concen: 21.76 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD060003.D
 Acq: 14 Sep 2018 11:57

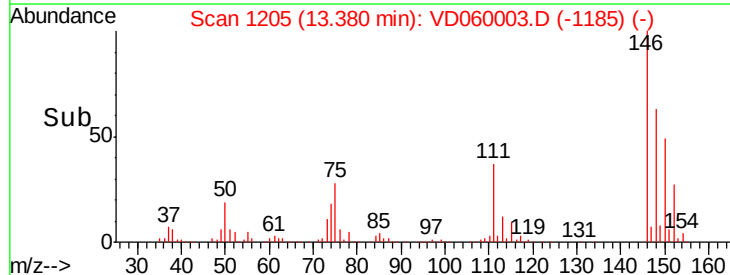
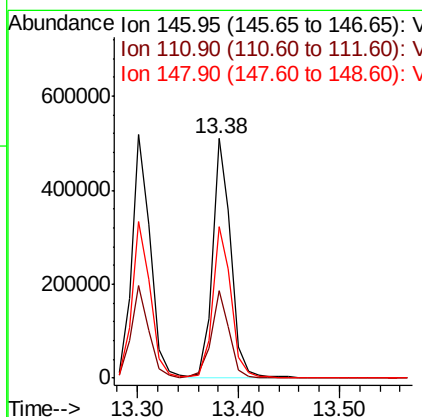
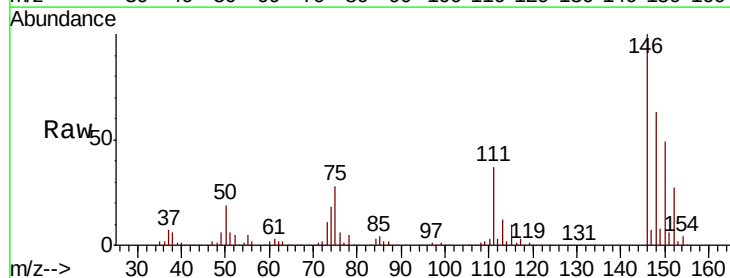
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS01

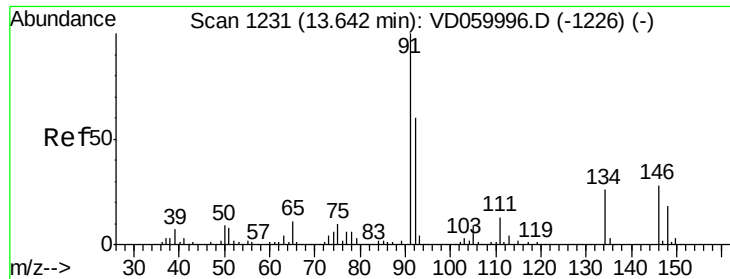
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	20.2	60.5
148	64.1	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 21.23 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060003.D
 Acq: 14 Sep 2018 11:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	16.7	50.0
148	63.1	32.9	98.6

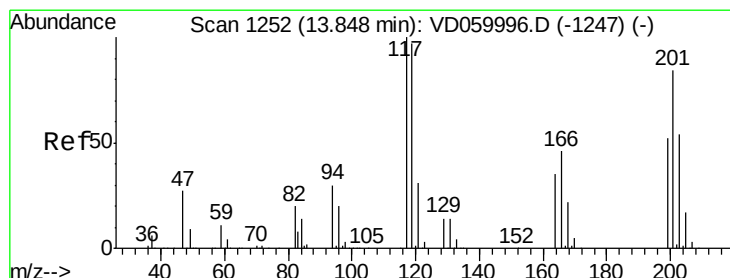
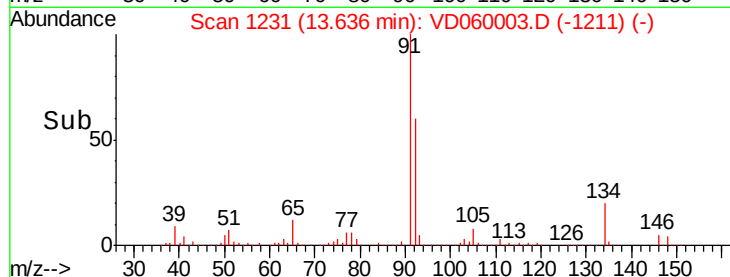
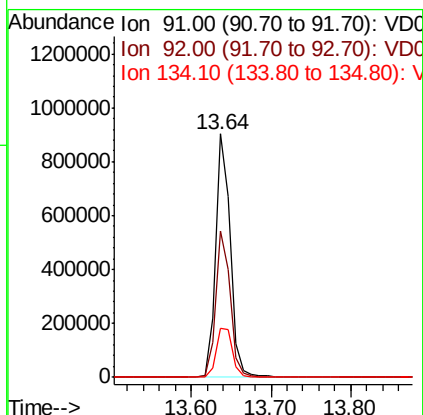
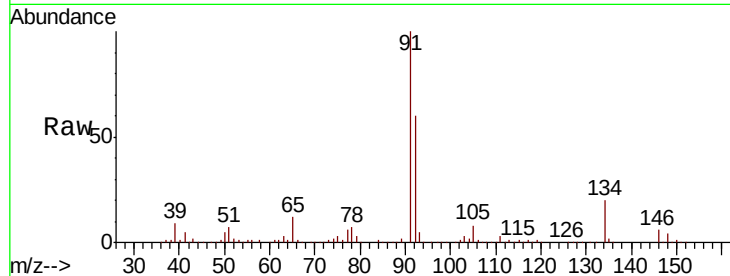




#89
n-Butylbenzene
Concen: 21.18 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

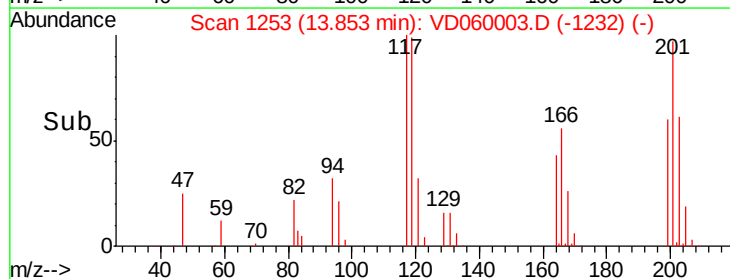
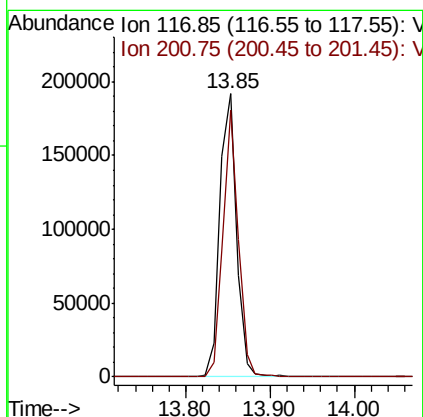
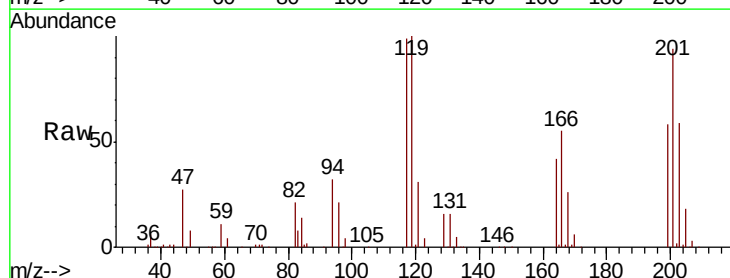
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS01

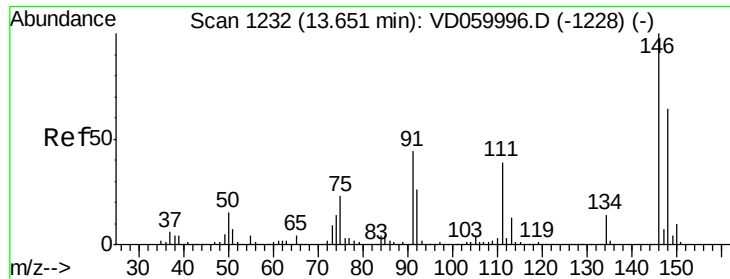
Tot Ion: 91 Resp: 1172928
Ion Ratio Lower Upper
91 100
92 60.0 29.8 89.3
134 20.3 13.2 39.6



#90
Hexachloroethane
Concen: 20.86 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.00 min
Lab File: VD060003.D
Acq: 14 Sep 2018 11:57

Tgt Ion: 117 Resp: 266042
Ion Ratio Lower Upper
117 100
201 94.1 42.1 126.4

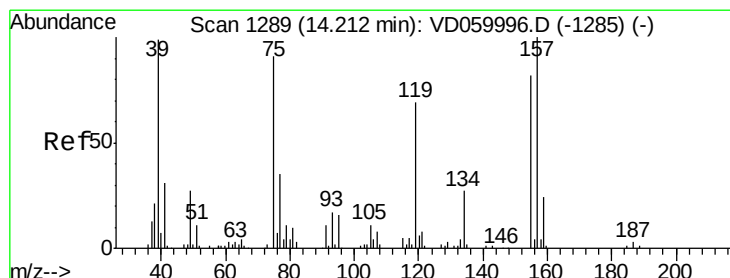
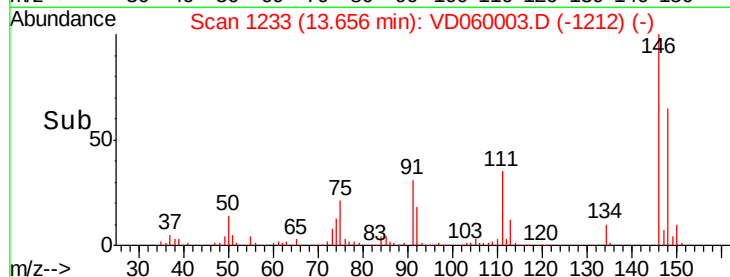
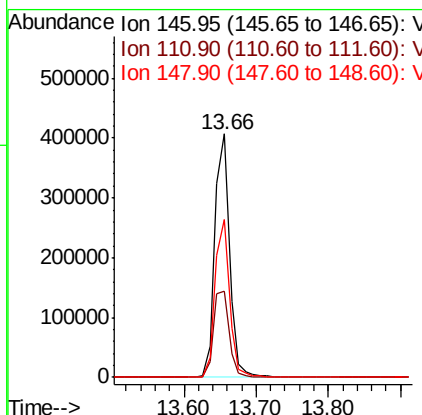
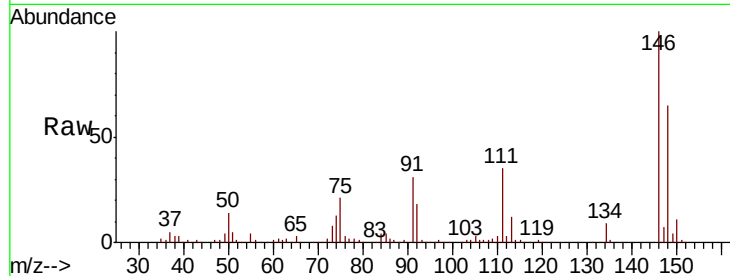




#91
 1,2-Dichlorobenzene
 Concen: 20.29 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD060003.D
 Acq: 14 Sep 2018 11:57

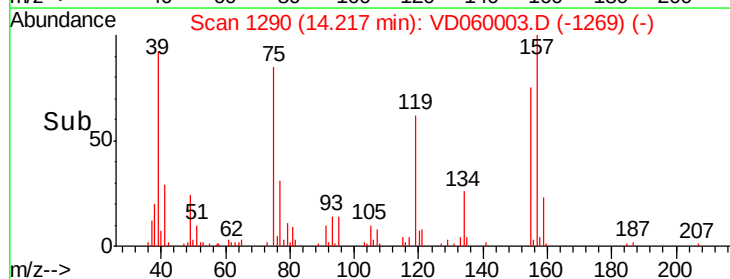
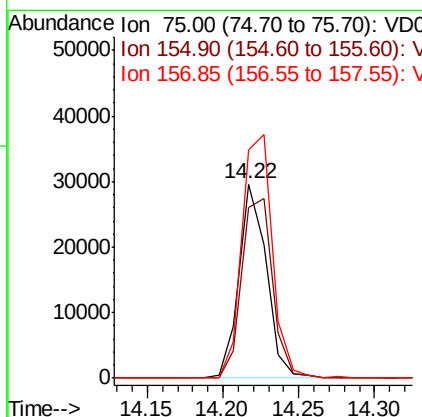
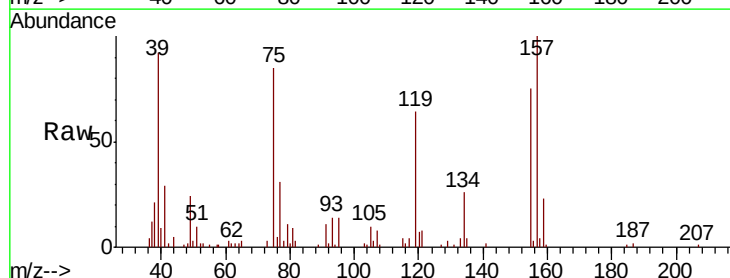
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS01

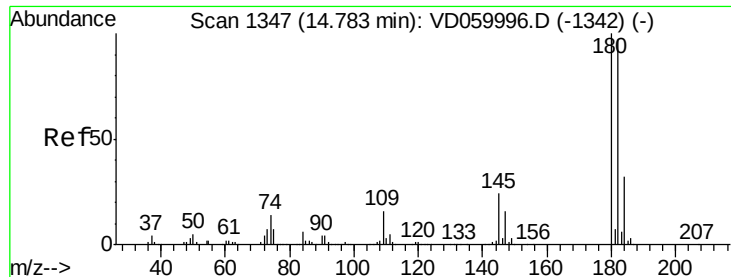
Tot Ion:146 Resp: 568482
 Ion Ratio Lower Upper
 146 100
 111 35.4 19.6 58.7
 148 64.8 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.76 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060003.D
 Acq: 14 Sep 2018 11:57

Tgt Ion: 75 Resp: 37107
 Ion Ratio Lower Upper
 75 100
 155 87.9 44.7 134.1
 157 117.8 54.7 164.1

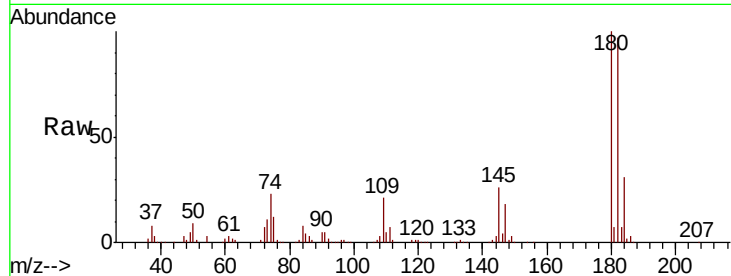




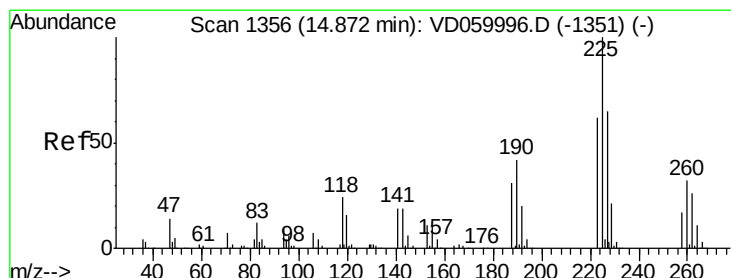
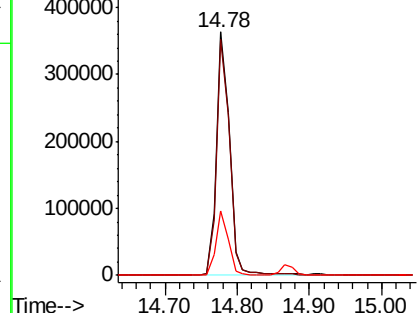
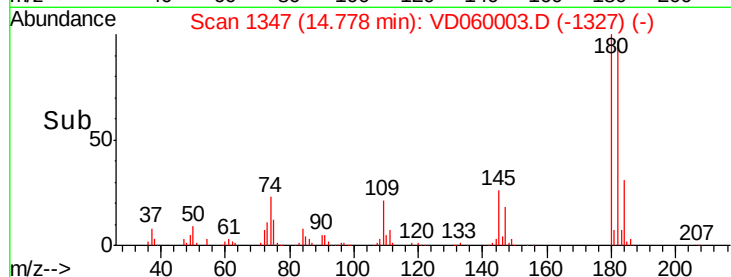
#93
 1,2,4-Trichlorobenzene
 Concen: 21.29 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD060003.D
 Acq: 14 Sep 2018 11:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.5	145.6
145	26.5	11.9	35.7

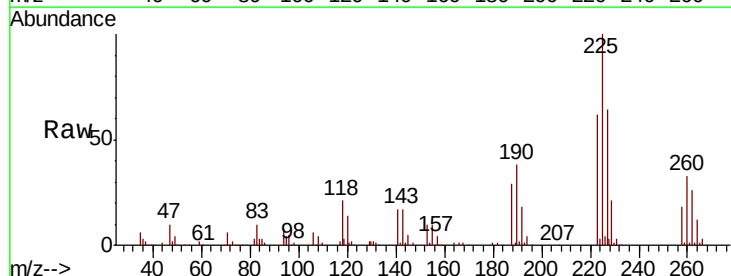


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

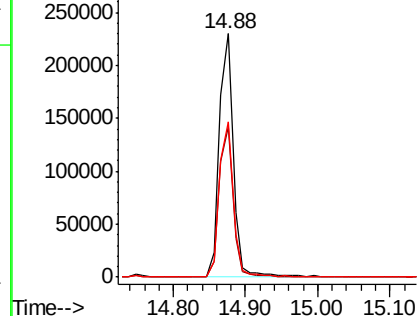
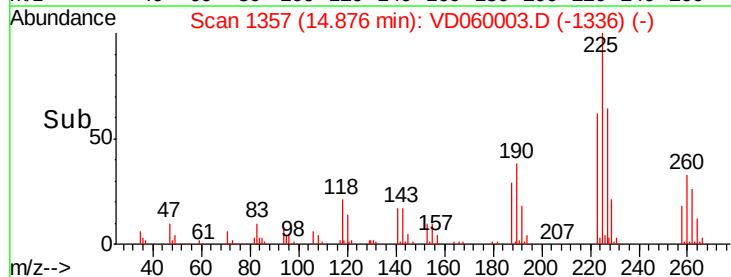


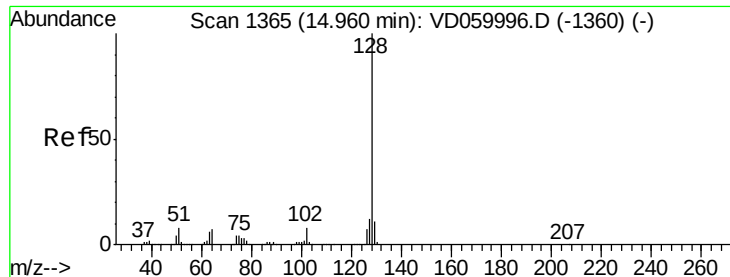
#94
 Hexachlorobutadiene
 Concen: 21.57 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VD060003.D
 Acq: 14 Sep 2018 11:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.2	93.6
227	63.6	32.3	96.8



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: 19.65 ug/l

RT: 14.96 min Scan# 1366

Delta R.T. 0.00 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS01

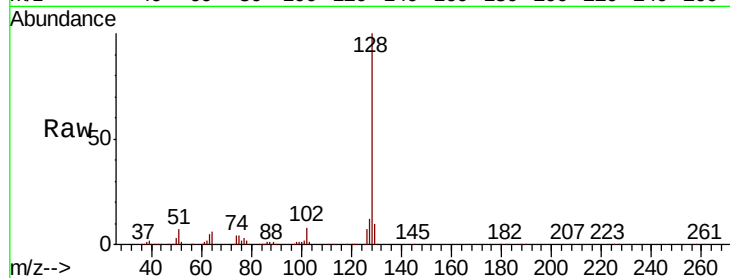
Tot Ion:128 Resp: 654288

Ion Ratio Lower Upper

128 100

127 11.9 9.7 14.5

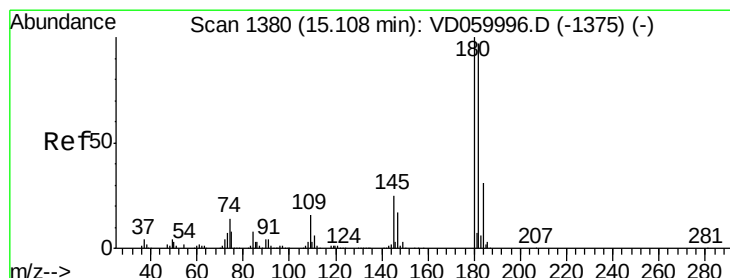
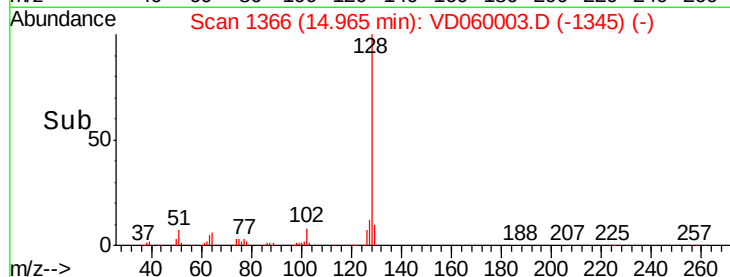
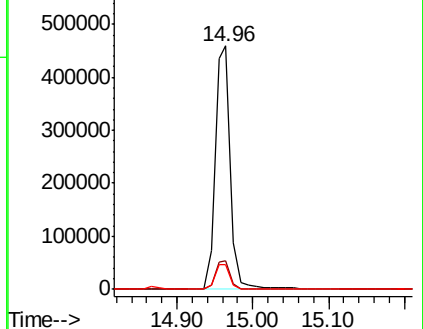
129 10.4 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.43 ug/l

RT: 15.10 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD060003.D

Acq: 14 Sep 2018 11:57

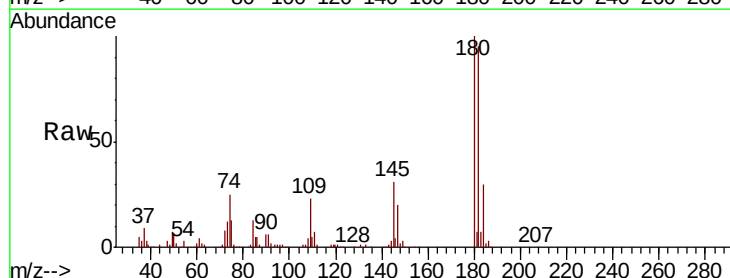
Tgt Ion:180 Resp: 388197

Ion Ratio Lower Upper

180 100

182 95.4 48.6 145.9

145 31.1 12.7 38.1



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

