

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102518\
 Data File : VD060198.D
 Acq On : 25 Oct 2018 16:42
 Operator : JC/SY
 Sample : VD1025SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Quant Time: Oct 26 03:42:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1560130	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2184682	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1848133	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	976323	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	652302	55.16	ug/l	0.02
Spiked Amount			Recovery	=	110.32%	
35) Dibromofluoromethane	6.32	113	885926	53.40	ug/l	0.03
Spiked Amount			Recovery	=	106.80%	
50) Toluene-d8	9.45	98	2467950	52.17	ug/l	0.02
Spiked Amount			Recovery	=	104.34%	
62) 4-Bromofluorobenzene	12.43	95	940909	53.12	ug/l	0.00
Spiked Amount			Recovery	=	106.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	279914	19.073	ug/l	99
3) Chloromethane	1.76	50	305331	23.073	ug/l	100
4) Vinyl Chloride	1.85	62	240958	22.249	ug/l	96
5) Bromomethane	2.13	94	22725	16.712	ug/l	93
6) Chloroethane	2.24	64	51567	17.449	ug/l #	87
7) Trichlorofluoromethane	2.50	101	269384	20.774	ug/l	98
8) Diethyl Ether	2.82	74	66193	24.824	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.09	101	195324	24.178	ug/l	97
10) Methyl Iodide	3.24	142	172676	20.156	ug/l	96
11) Tert butyl alcohol	3.97	59	91590	107.989	ug/l	98
12) 1,1-Dichloroethene	3.07	96	150703	23.680	ug/l	92
13) Acrolein	2.98	56	41786	79.922	ug/l	97
14) Allyl chloride	3.53	41	310616	23.500	ug/l	98
15) Acrylonitrile	4.08	53	408855	116.464	ug/l	100
16) Acetone	3.16	43	318349	148.354	ug/l	99
17) Carbon Disulfide	3.30	76	472600	22.083	ug/l	99
18) Methyl Acetate	3.55	43	107956	23.407	ug/l	100
19) Methyl tert-butyl Ether	4.12	73	657616	23.502	ug/l	98
20) Methylene Chloride	3.72	84	364425	18.900	ug/l	98
21) trans-1,2-Dichloroethene	4.09	96	360846	21.954	ug/l	98
22) Diisopropyl ether	4.86	45	1352076	22.905	ug/l	97
23) Vinyl Acetate	4.80	43	3943493	118.848	ug/l	99
24) 1,1-Dichloroethane	4.75	63	604083	22.570	ug/l	99
25) 2-Butanone	5.62	43	695629	129.759	ug/l	97
26) 2,2-Dichloropropane	5.59	77	485181	23.912	ug/l	98
27) cis-1,2-Dichloroethene	5.59	96	381863	21.928	ug/l	92
28) Bromochloromethane	5.92	49	296855	22.824	ug/l	100
29) Tetrahydrofuran	5.95	42	352975	113.355	ug/l	99
30) Chloroform	6.10	83	621986	22.974	ug/l	98
31) Cyclohexane	6.36	56	547150	21.356	ug/l	98
32) 1,1,1-Trichloroethane	6.29	97	491551	22.161	ug/l	99
36) 1,1-Dichloropropene	6.52	75	452369	21.669	ug/l	97
37) Ethyl Acetate	5.69	43	321662	23.213	ug/l	95
38) Carbon Tetrachloride	6.49	117	409787	21.627	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102518\
 Data File : VD060198.D
 Acq On : 25 Oct 2018 16:42
 Operator : JC/SY
 Sample : VD1025SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1025SBS01

Quant Time: Oct 26 03:42:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	520416	21.940	ug/l	98
40) Benzene	6.79	78	1148663	21.031	ug/l	100
41) Methacrylonitrile	5.95	41	353420	45.123	ug/l #	91
42) 1,2-Dichloroethane	6.89	62	362307	23.138	ug/l	99
43) Isopropyl Acetate	8.35	43	408881	22.429	ug/l #	99
44) Trichloroethene	7.74	130	359229	21.248	ug/l	99
45) 1,2-Dichloropropane	8.10	63	324677	22.703	ug/l	98
46) Dibromomethane	8.21	93	205238	22.167	ug/l	92
47) Bromodichloromethane	8.49	83	449906	22.806	ug/l	96
48) Methyl methacrylate	8.24	41	235980	22.725	ug/l	98
49) 1,4-Dioxane	8.22	88	46043	450.634	ug/l #	90
51) 4-Methyl-2-Pentanone	9.34	43	1365338	118.740	ug/l	96
52) Toluene	9.55	92	773976	22.004	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	407051	22.804	ug/l	97
54) cis-1,3-Dichloropropene	9.10	75	494689	22.442	ug/l	96
55) 1,1,2-Trichloroethane	10.18	97	259301	22.550	ug/l	98
56) Ethyl methacrylate	10.03	69	289648	22.819	ug/l	97
57) 1,3-Dichloropropane	10.38	76	406237	23.164	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	862824	122.408	ug/l	98
59) 2-Hexanone	10.49	43	1047851	126.730	ug/l	99
60) Dibromochloromethane	10.63	129	314893	22.319	ug/l	97
61) 1,2-Dibromoethane	10.75	107	265754	21.751	ug/l	100
64) Tetrachloroethene	10.25	164	327088	20.207	ug/l	98
65) Chlorobenzene	11.31	112	851043	21.286	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	294527	22.082	ug/l	97
67) Ethyl Benzene	11.43	91	1449462	22.376	ug/l	99
68) m/p-Xylenes	11.57	106	1071957	44.289	ug/l	99
69) o-Xylene	11.93	106	505834	21.129	ug/l	93
70) Styrene	11.95	104	865824	21.626	ug/l	99
71) Bromoform	12.11	173	220013	20.371	ug/l	97
73) Isopropylbenzene	12.28	105	1391135	21.598	ug/l	99
74) N-amyl acetate	12.13	43	517776	21.946	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	309596	22.017	ug/l	96
76) 1,2,3-Trichloropropane	12.59	75	302822	21.537	ug/l	99
77) Bromobenzene	12.54	156	394516	21.078	ug/l	86
78) n-propylbenzene	12.64	91	1738426	21.736	ug/l	97
79) 2-Chlorotoluene	12.70	91	983790	22.163	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	1099303	22.052	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	82167	20.798	ug/l	92
82) 4-Chlorotoluene	12.81	91	1116764	22.244	ug/l	99
83) tert-Butylbenzene	13.05	119	1248615	21.827	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	1156436	22.011	ug/l	98
85) sec-Butylbenzene	13.22	105	1517955	22.442	ug/l	100
86) p-Isopropyltoluene	13.34	119	1235574	22.272	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	698667	21.425	ug/l	100
88) 1,4-Dichlorobenzene	13.39	146	710589	21.694	ug/l	99
89) n-Butylbenzene	13.65	91	1261078	23.296	ug/l	99
90) Hexachloroethane	13.85	117	275936	21.491	ug/l	94
91) 1,2-Dichlorobenzene	13.66	146	622429	22.700	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	40830	21.747	ug/l	86

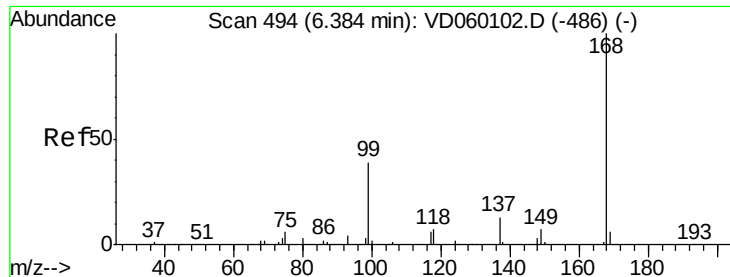
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102518\
Data File : VD060198.D
Acq On : 25 Oct 2018 16:42
Operator : JC/SY
Sample : VD1025SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBSD01

Quant Time: Oct 26 03:42:22 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	486834	20.918	ug/l	98
94) Hexachlorobutadiene	14.88	225	329696	21.312	ug/l	98
95) Naphthalene	14.96	128	719620	20.860	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	410554	20.279	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

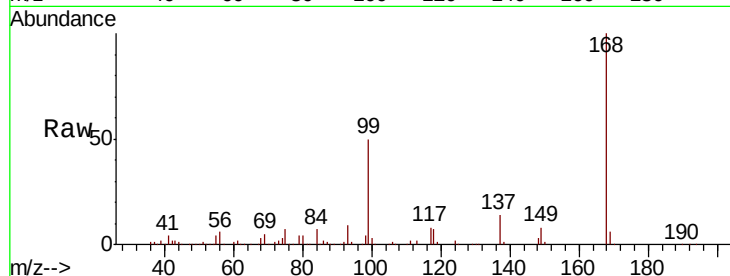
VD1025SBSD01

Tot Ion:168 Resp: 1560130

Ion Ratio Lower Upper

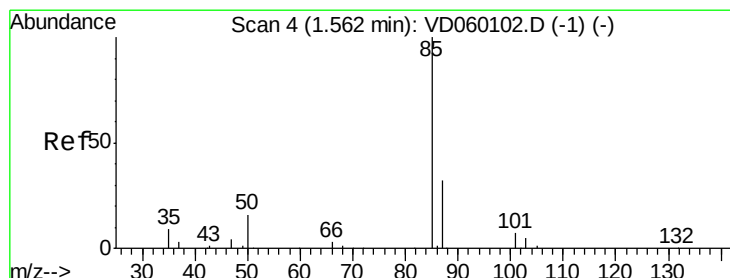
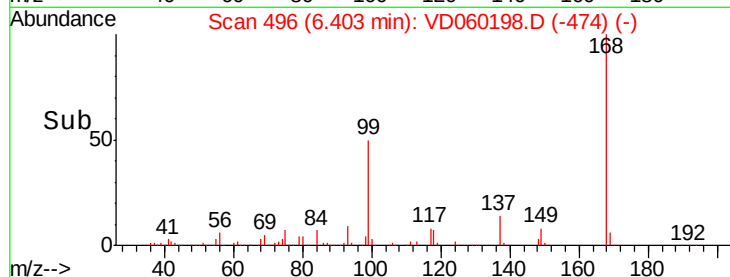
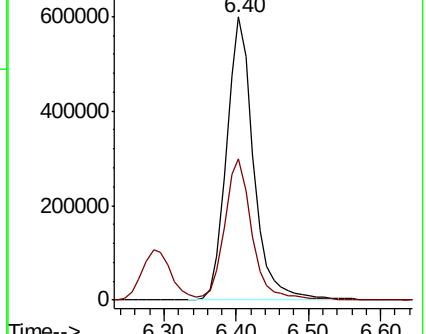
168 100

99 49.8 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.073 ug/l

RT: 1.58 min Scan# 6

Delta R.T. 0.02 min

Lab File: VD060198.D

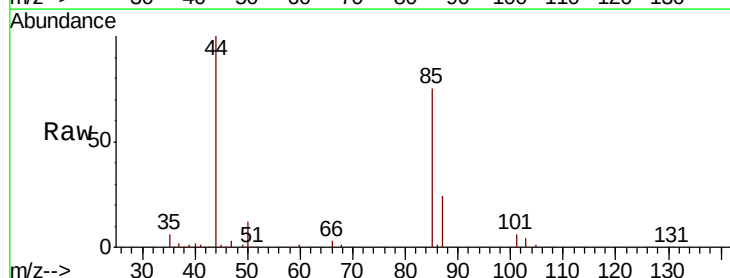
Acq: 25 Oct 2018 16:42

Tgt Ion: 85 Resp: 279914

Ion Ratio Lower Upper

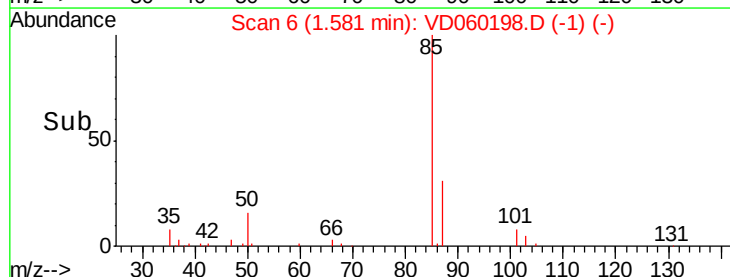
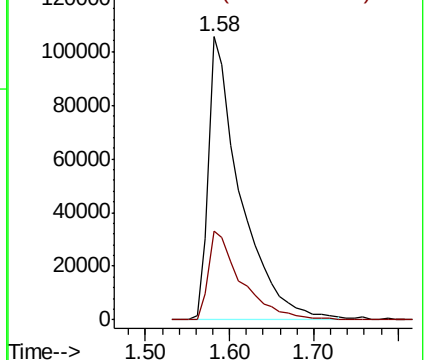
85 100

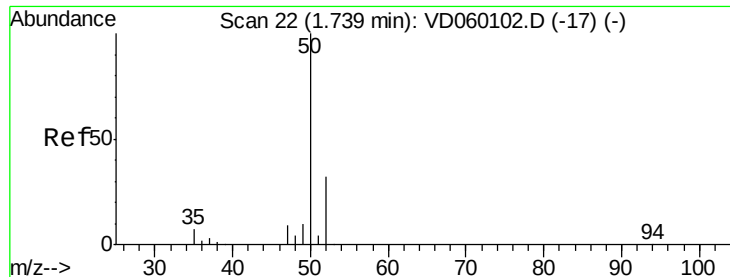
87 31.2 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.073 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

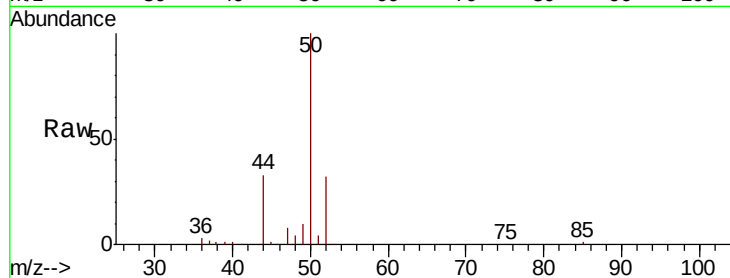
VD1025SBSD01

Tot Ion: 50 Resp: 305331

Ion Ratio Lower Upper

50 100

52 31.7 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

120000

100000

80000

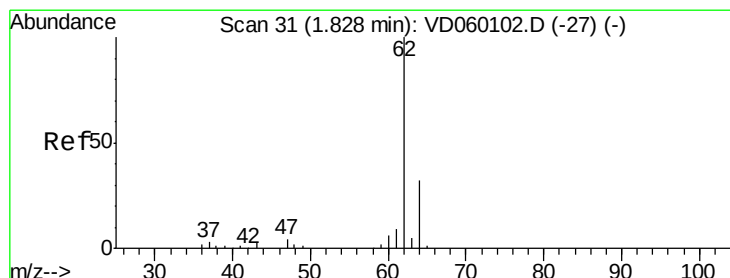
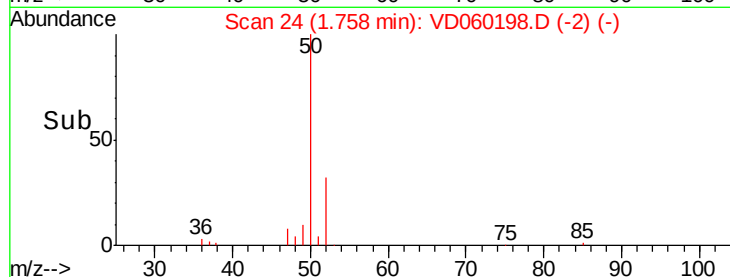
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 22.249 ug/l

RT: 1.85 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD060198.D

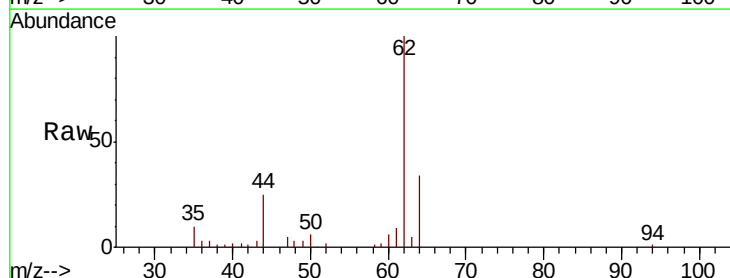
Acq: 25 Oct 2018 16:42

Tgt Ion: 62 Resp: 240958

Ion Ratio Lower Upper

62 100

64 33.9 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.85

100000

80000

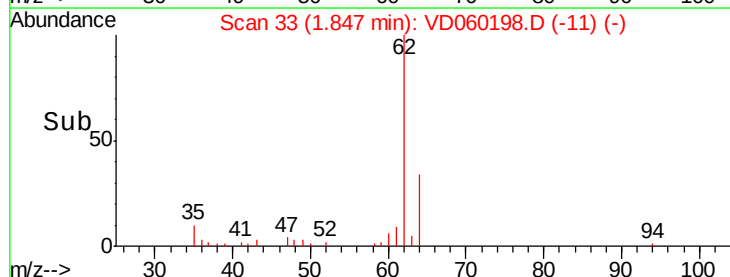
60000

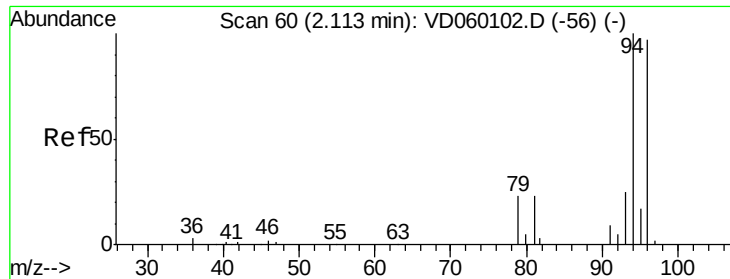
40000

20000

0

Time-->

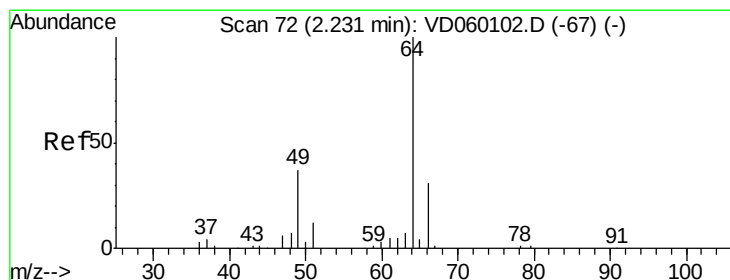
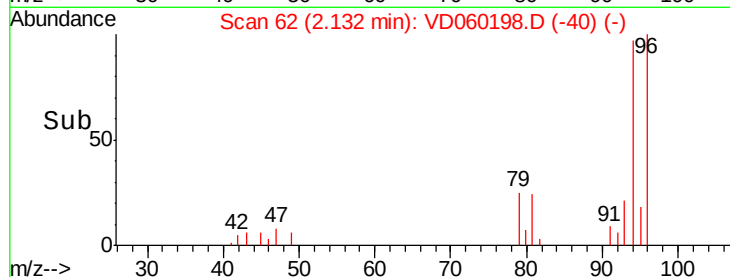
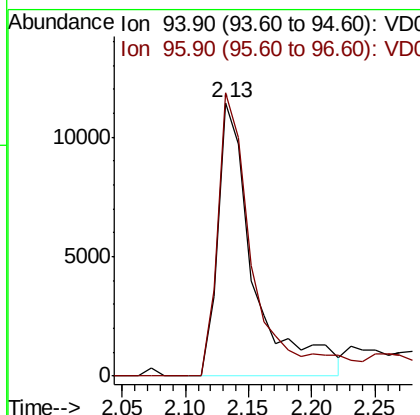
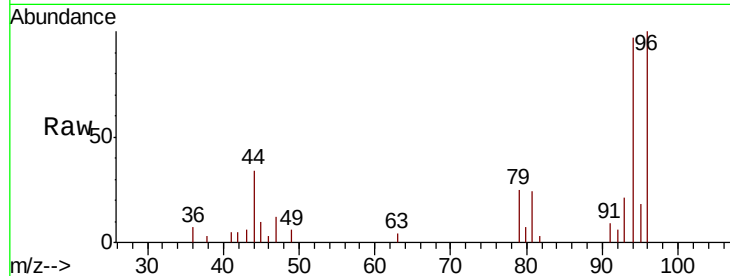




#5
Bromomethane
Concen: 16.712 ug/l
RT: 2.13 min Scan# 62
Delta R.T. 0.02 min
Lab File: VD060198.D
Acq: 25 Oct 2018 16:42

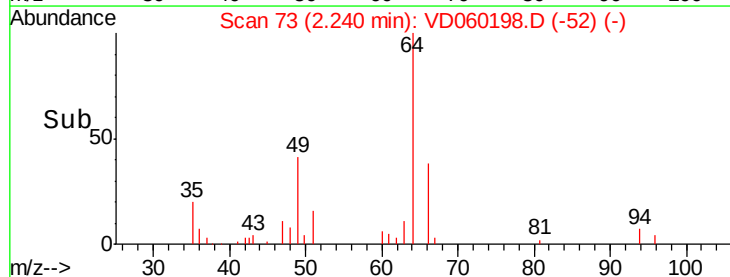
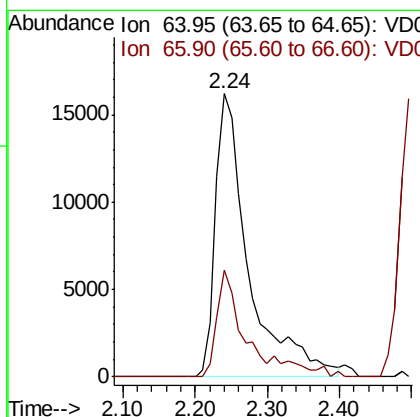
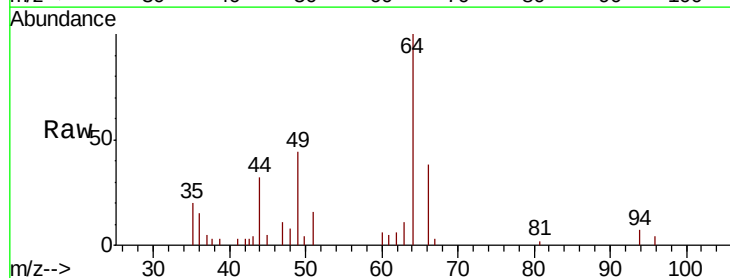
Instrument :
MSVOA_D
ClientSampleId :
VD1025SBSD01

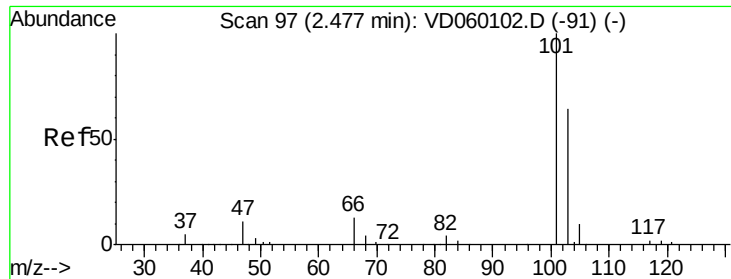
Tot Ion: 94 Resp: 22725
Ion Ratio Lower Upper
94 100
96 103.4 77.4 116.2



#6
Chloroethane
Concen: 17.449 ug/l
RT: 2.24 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD060198.D
Acq: 25 Oct 2018 16:42

Tgt Ion: 64 Resp: 51567
Ion Ratio Lower Upper
64 100
66 37.9 24.6 37.0#



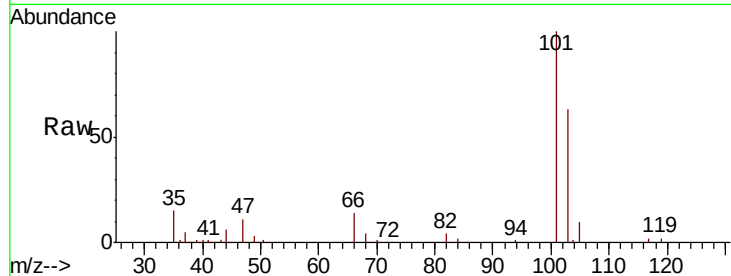


#7

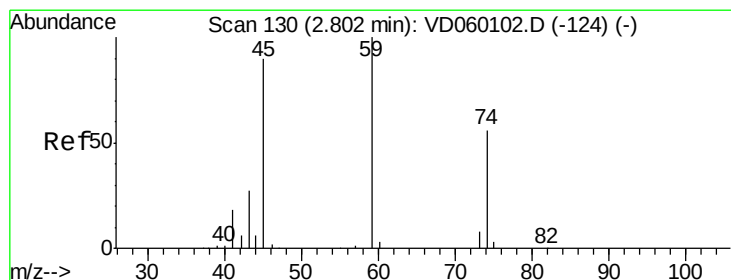
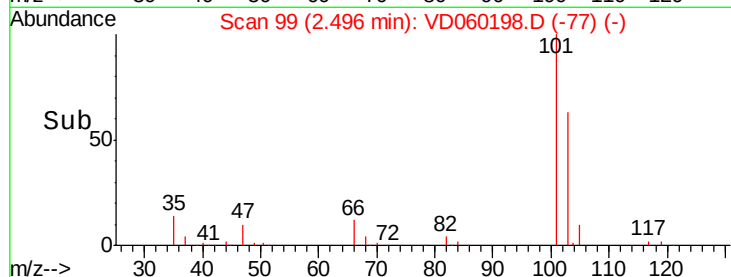
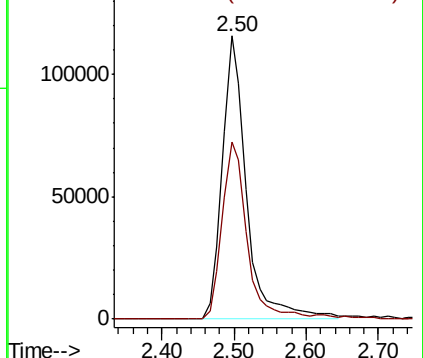
Trichlorofluoromethane
 Concen: 20.774 ug/l
 RT: 2.50 min Scan# 99
 Delta R.T. 0.02 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBSD01

Tot Ion:101 Resp: 269384
 Ion Ratio Lower Upper
 101 100
 103 62.8 51.5 77.3



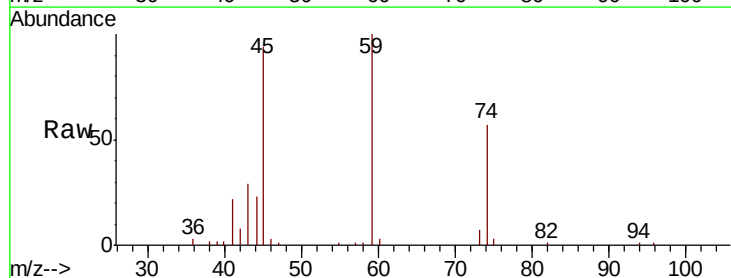
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



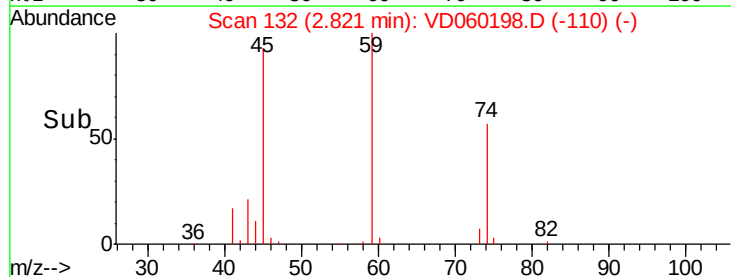
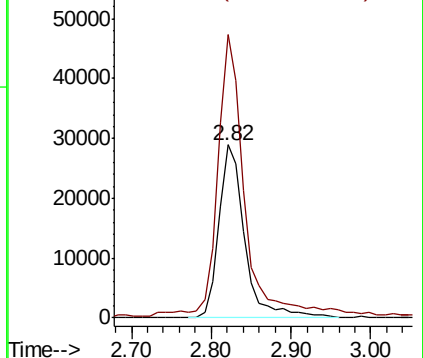
#8

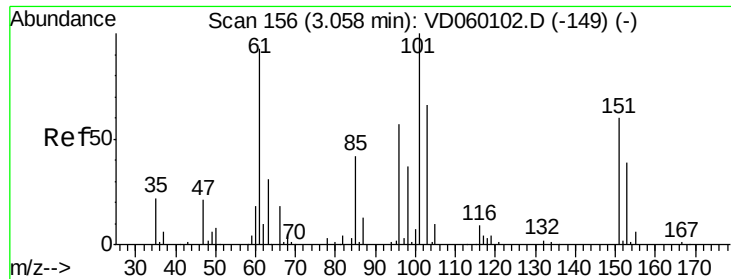
Diethyl Ether
 Concen: 24.824 ug/l
 RT: 2.82 min Scan# 132
 Delta R.T. 0.02 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

Tgt Ion: 74 Resp: 66193
 Ion Ratio Lower Upper
 74 100
 45 163.7 80.3 241.0



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: 24.178 ug/l

RT: 3.09 min Scan# 159

Delta R.T. 0.03 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

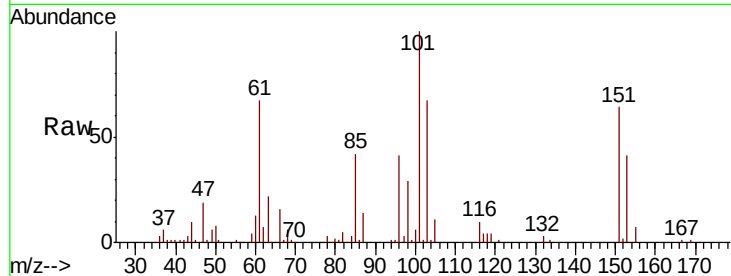
Tot Ion:101 Resp: 195324

Ion Ratio Lower Upper

101 100

85 42.4 33.4 50.0

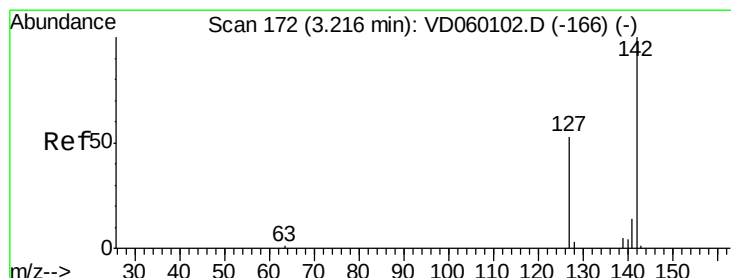
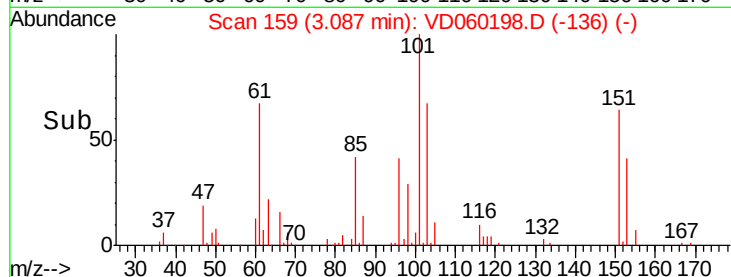
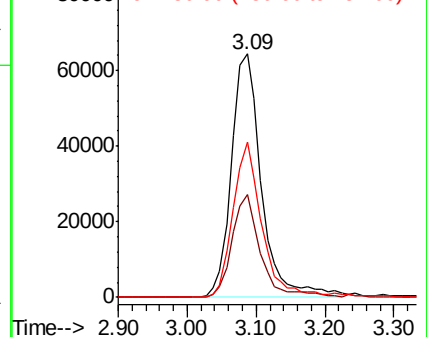
151 63.7 48.0 72.0



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: 20.156 ug/l

RT: 3.24 min Scan# 175

Delta R.T. 0.03 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

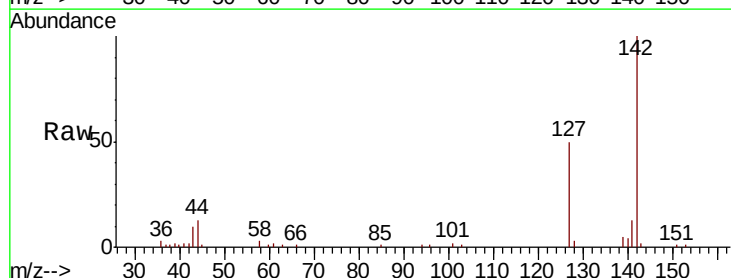
Tgt Ion:142 Resp: 172676

Ion Ratio Lower Upper

142 100

127 49.9 42.0 63.0

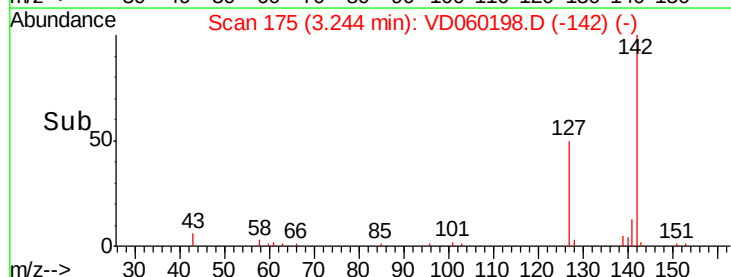
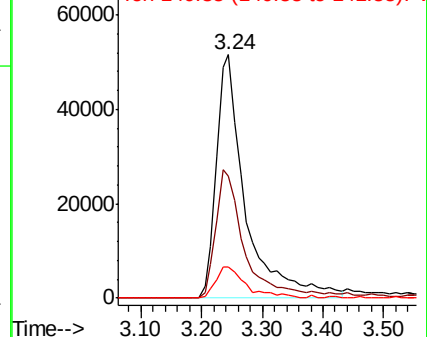
141 12.6 11.4 17.0

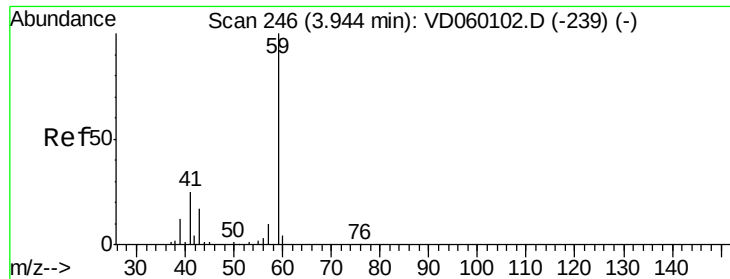


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

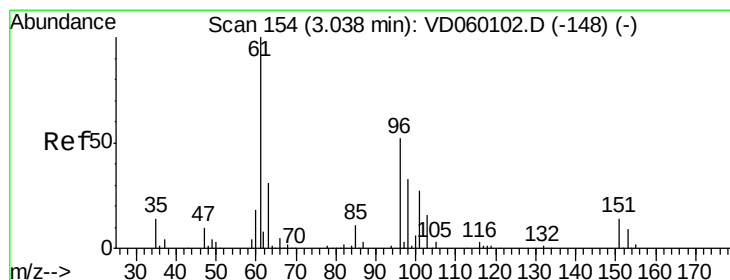
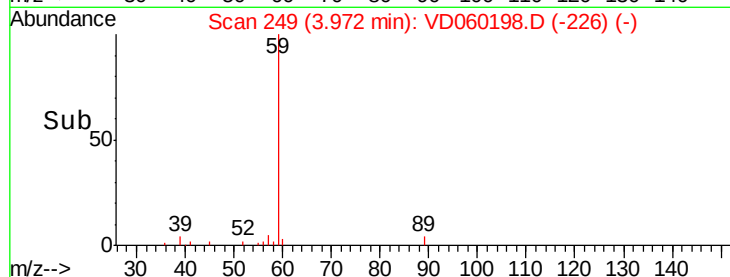
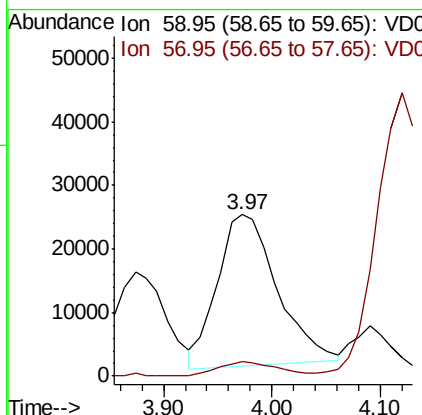
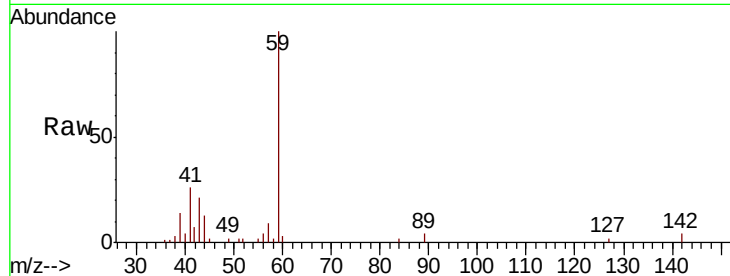




#11
Tert butyl alcohol
Concen: 107.989 ug/l
RT: 3.97 min Scan# 249
Delta R.T. 0.03 min
Lab File: VD060198.D
Acq: 25 Oct 2018 16:42

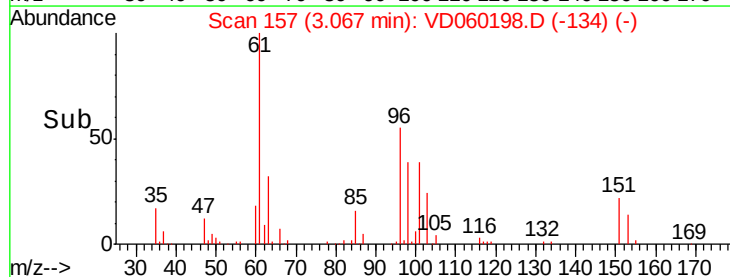
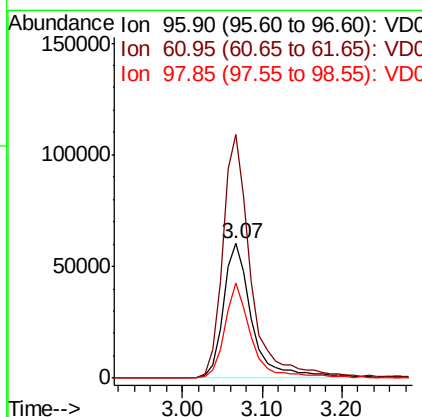
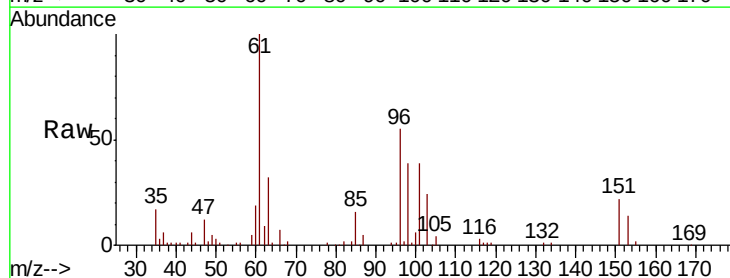
Instrument :
MSVOA_D
ClientSampleId :
VD1025SBSD01

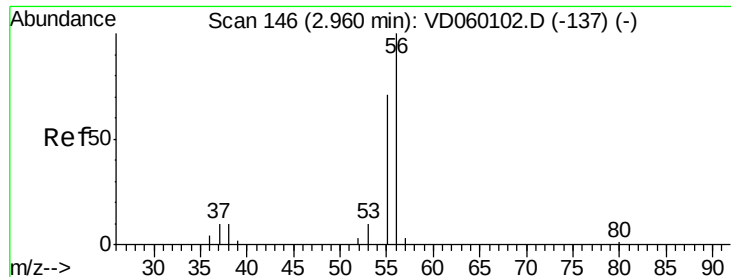
Tot Ion: 59 Resp: 91590
Ion Ratio Lower Upper
59 100
57 8.8 7.8 11.6



#12
1,1-Dichloroethene
Concen: 23.680 ug/l
RT: 3.07 min Scan# 157
Delta R.T. 0.03 min
Lab File: VD060198.D
Acq: 25 Oct 2018 16:42

Tgt Ion: 96 Resp: 150703
Ion Ratio Lower Upper
96 100
61 181.0 153.0 229.4
98 71.1 51.1 76.7





#13

Acrolein

Concen: 79.922 ug/l

RT: 2.98 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

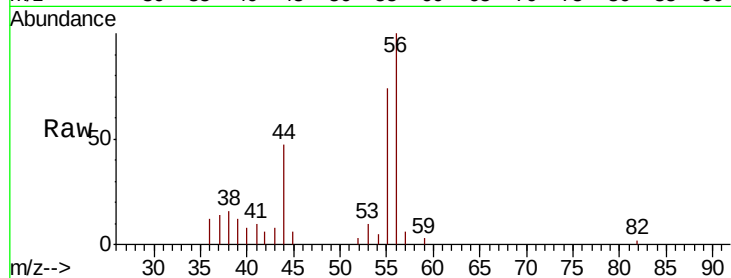
VD1025SBSD01

Tot Ion: 56 Resp: 41786

Ion Ratio Lower Upper

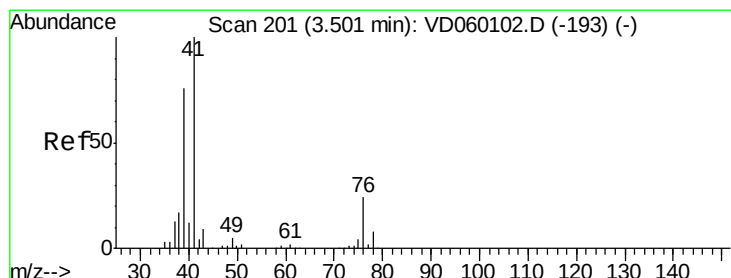
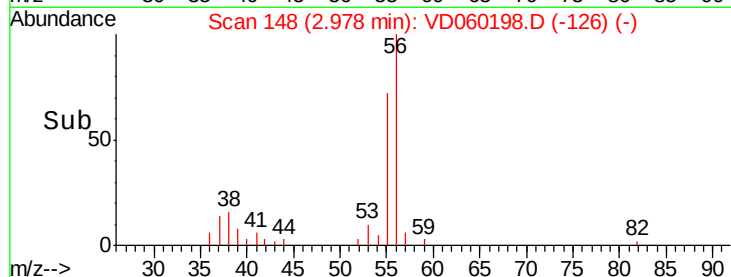
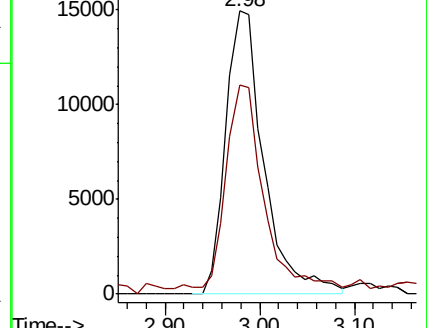
56 100

55 73.9 57.4 86.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 23.500 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.03 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

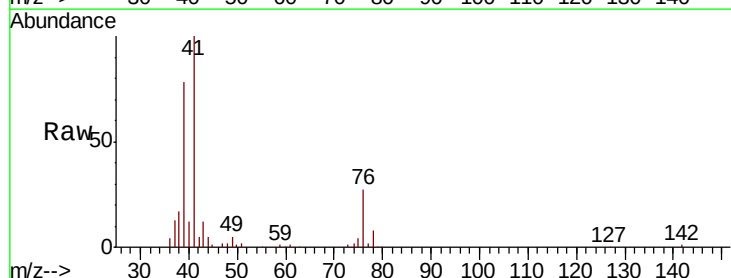
Tgt Ion: 41 Resp: 310616

Ion Ratio Lower Upper

41 100

39 78.3 60.6 90.8

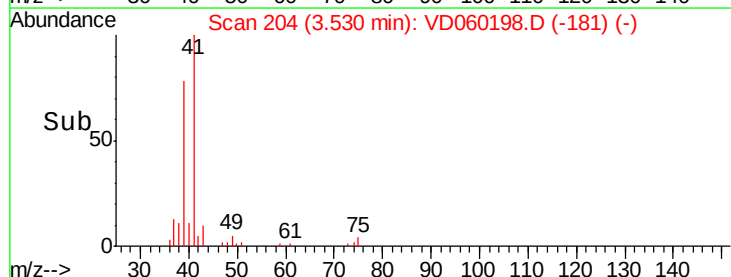
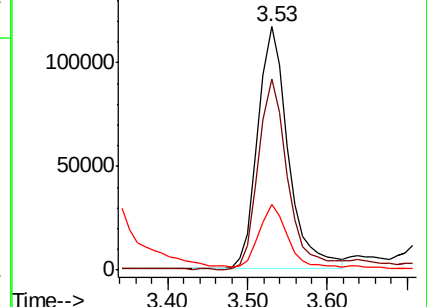
76 26.9 21.3 31.9

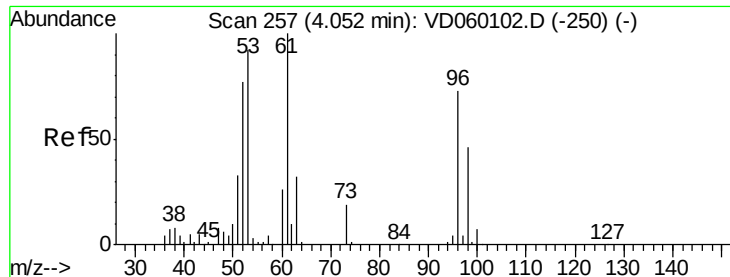


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 116.464 ug/l

RT: 4.08 min Scan# 260

Delta R.T. 0.03 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

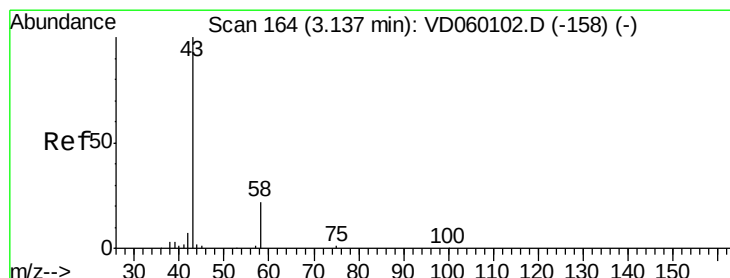
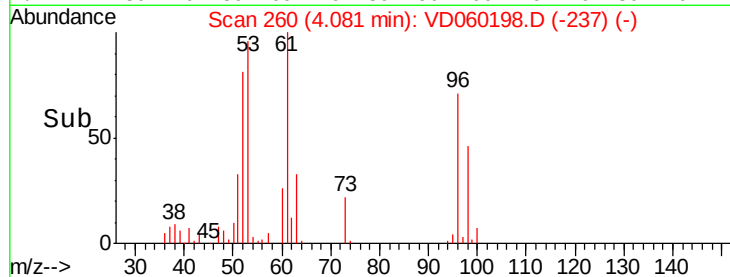
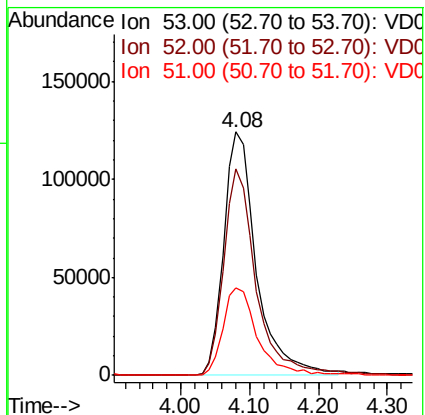
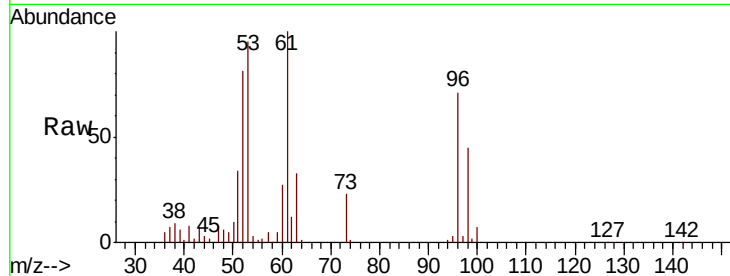
Tot Ion: 53 Resp: 408855

Ion Ratio Lower Upper

53 100

52 84.6 67.5 101.3

51 36.0 29.3 43.9



#16

Acetone

Concen: 148.354 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060198.D

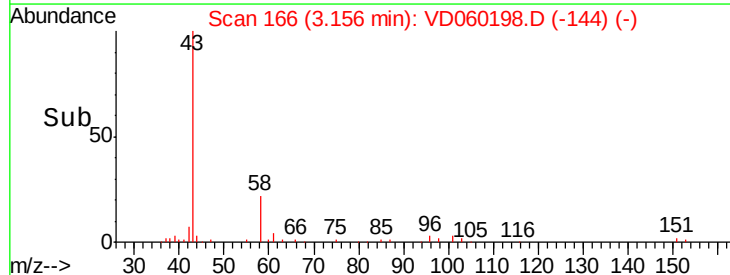
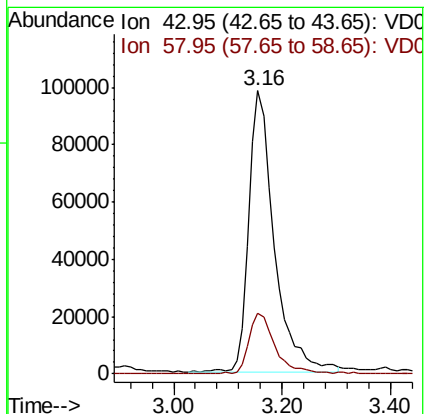
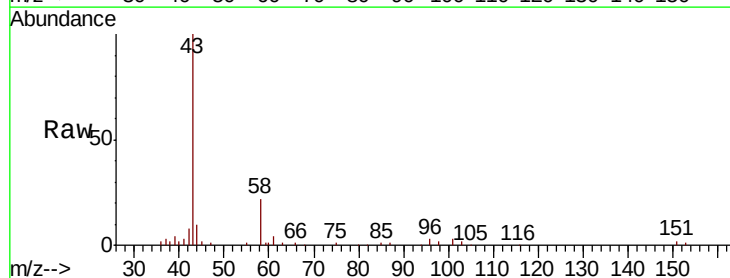
Acq: 25 Oct 2018 16:42

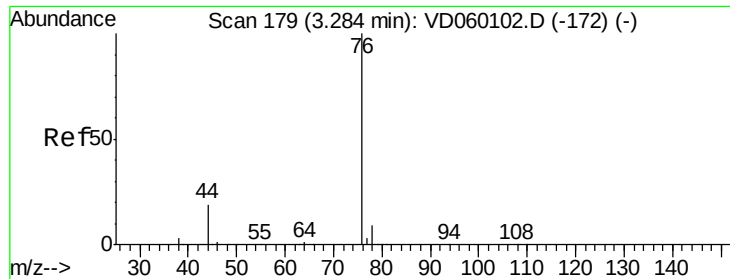
Tgt Ion: 43 Resp: 318349

Ion Ratio Lower Upper

43 100

58 21.6 17.7 26.5





#17

Carbon Disulfide

Concen: 22.083 ug/l

RT: 3.30 min Scan# 181

Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

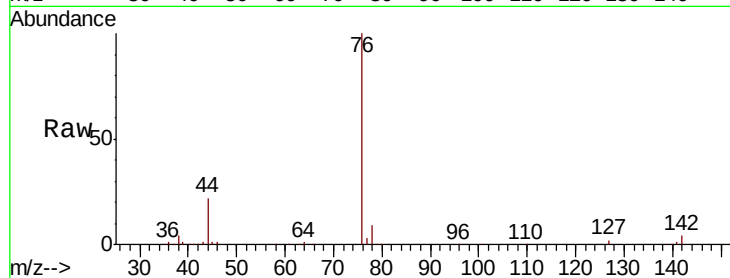
VD1025SBSD01

Tot Ion: 76 Resp: 472600

Ion Ratio Lower Upper

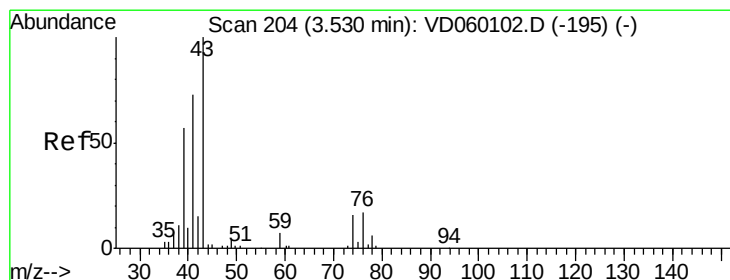
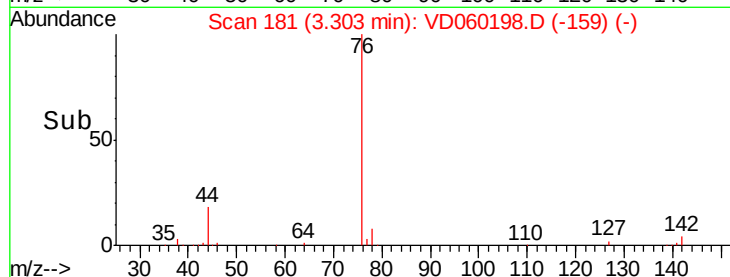
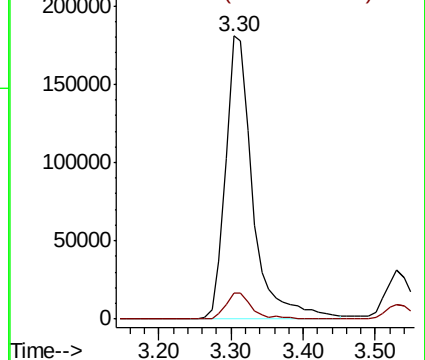
76 100

78 9.1 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 23.407 ug/l

RT: 3.55 min Scan# 206

Delta R.T. 0.02 min

Lab File: VD060198.D

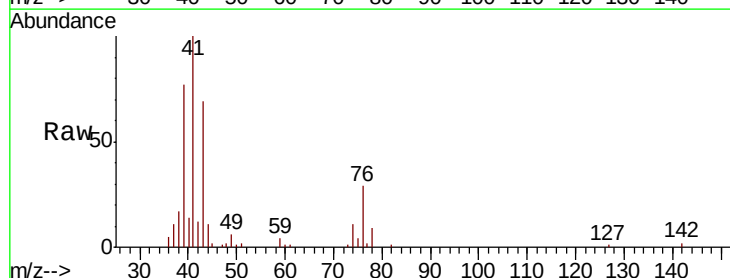
Acq: 25 Oct 2018 16:42

Tgt Ion: 43 Resp: 107956

Ion Ratio Lower Upper

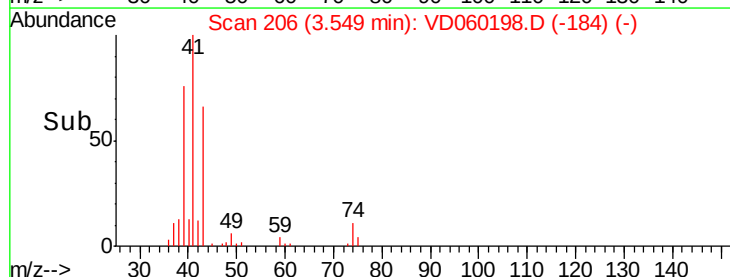
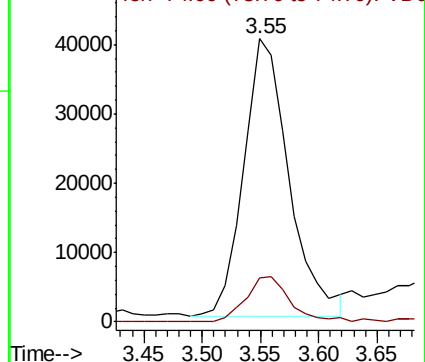
43 100

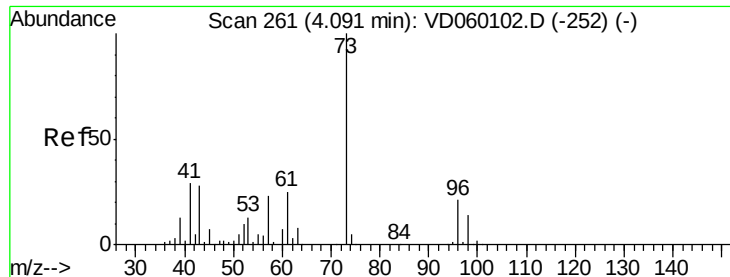
74 15.7 12.6 19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



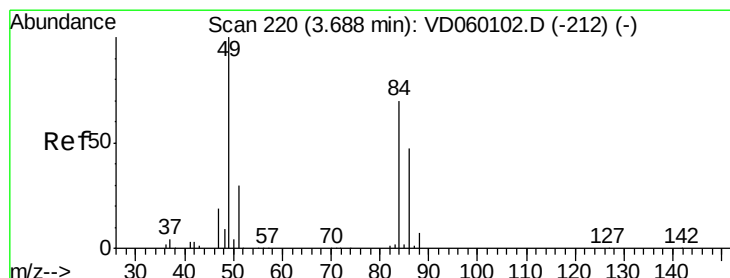
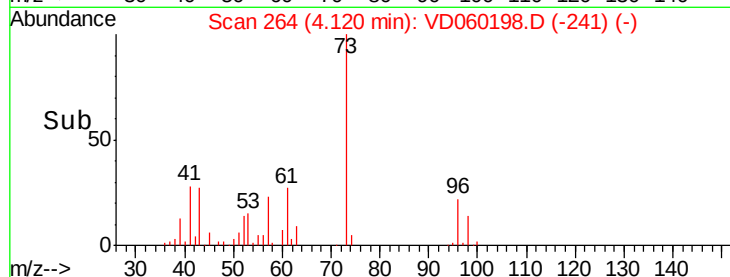
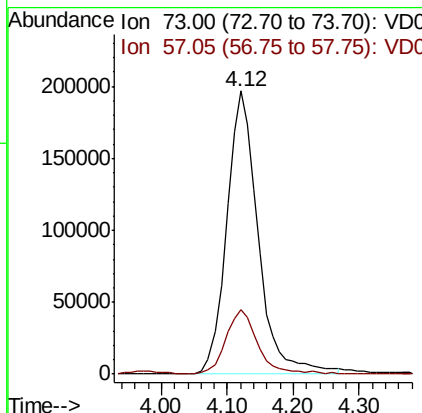
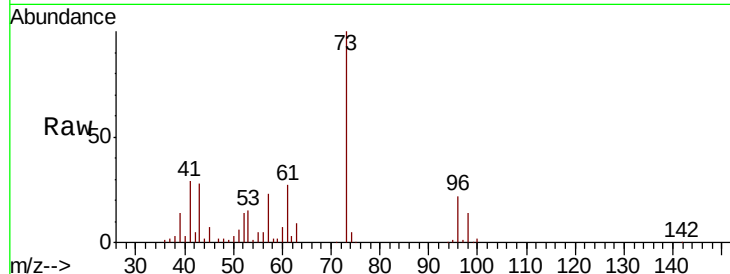


#19

Methyl tert-butyl Ether
 Concen: 23.502 ug/l
 RT: 4.12 min Scan# 264
 Delta R.T. 0.03 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

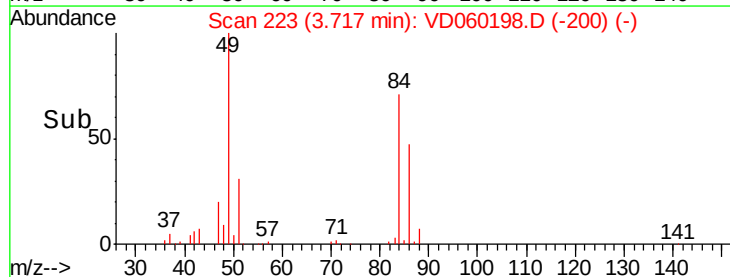
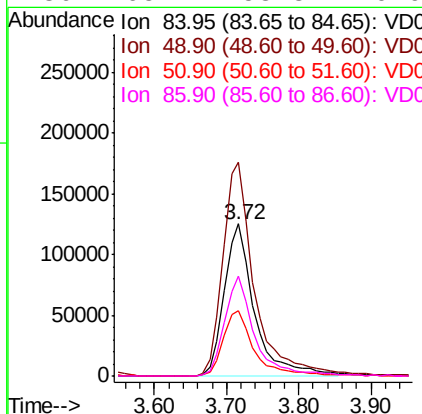
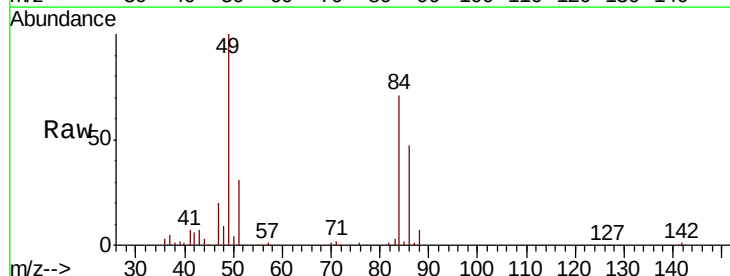
Tot Ion: 73 Resp: 657616
 Ion Ratio Lower Upper
 73 100
 57 22.6 18.7 28.1

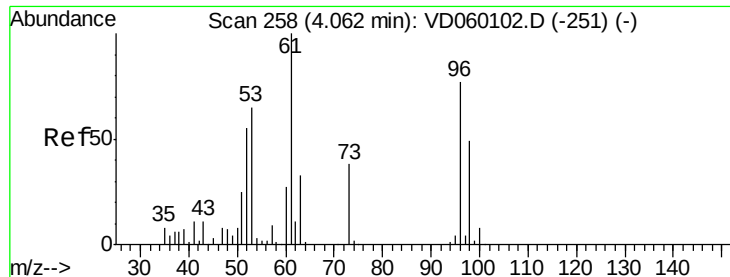


#20

Methylene Chloride
 Concen: 18.900 ug/l
 RT: 3.72 min Scan# 223
 Delta R.T. 0.03 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

Tgt Ion: 84 Resp: 364425
 Ion Ratio Lower Upper
 84 100
 49 140.6 114.6 172.0
 51 43.1 33.8 50.8
 86 65.4 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 21.954 ug/l

RT: 4.09 min Scan# 261

Delta R.T. 0.03 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBSD01

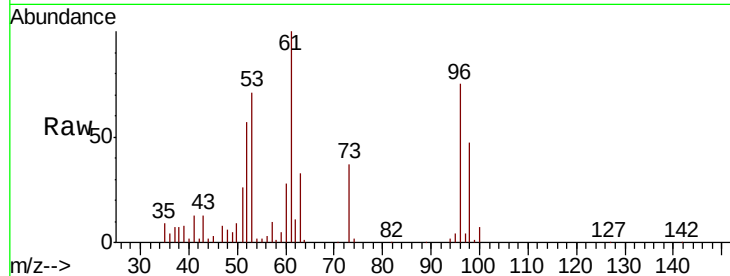
Tot Ion: 96 Resp: 360846

Ion Ratio Lower Upper

96 100

61 132.7 103.3 154.9

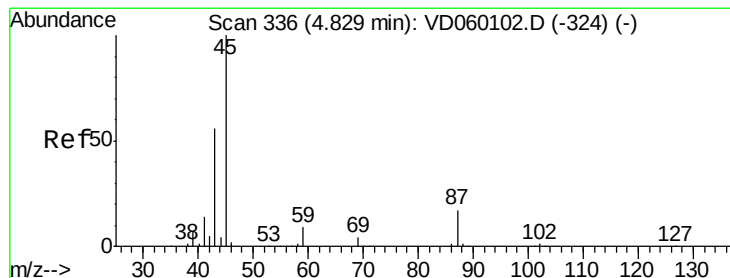
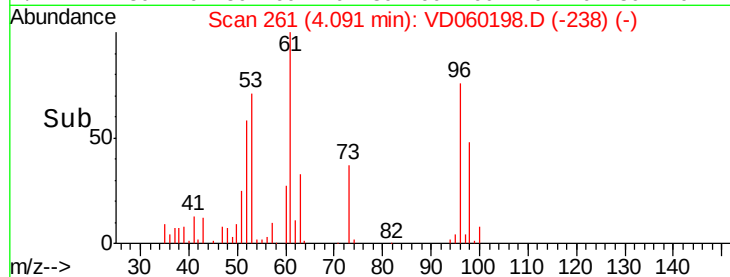
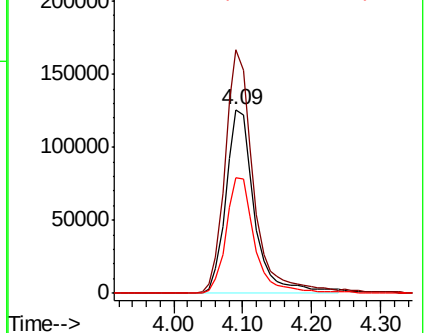
98 62.8 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 22.905 ug/l

RT: 4.86 min Scan# 339

Delta R.T. 0.03 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Tgt Ion: 45 Resp: 1352076

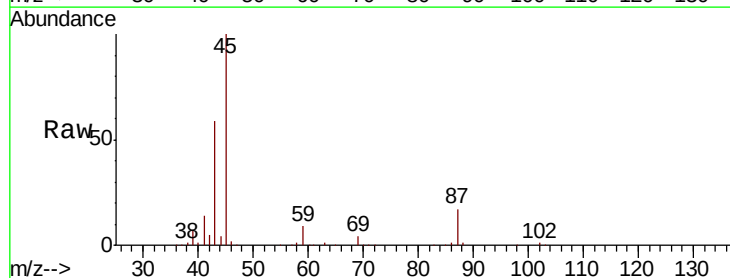
Ion Ratio Lower Upper

45 100

43 58.7 44.8 67.2

87 17.0 13.9 20.9

59 8.5 7.1 10.7

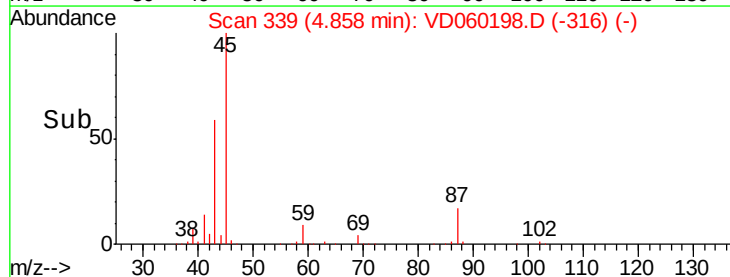
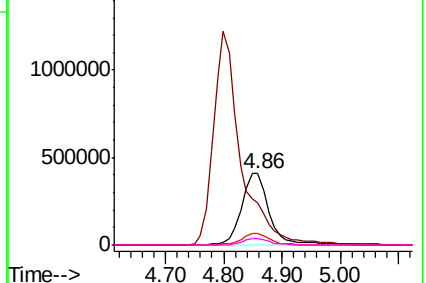


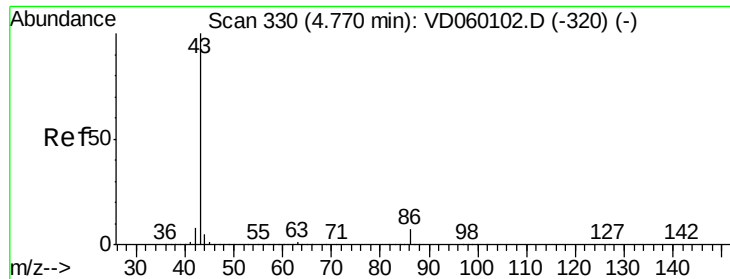
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 118.848 ug/l

RT: 4.80 min Scan# 333

Delta R.T. 0.03 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

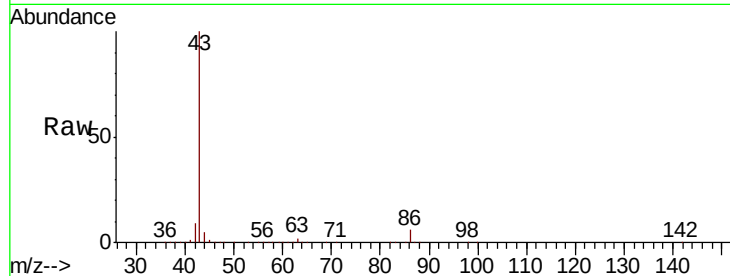
VD1025SBS01

Tot Ion: 43 Resp: 3943493

Ion Ratio Lower Upper

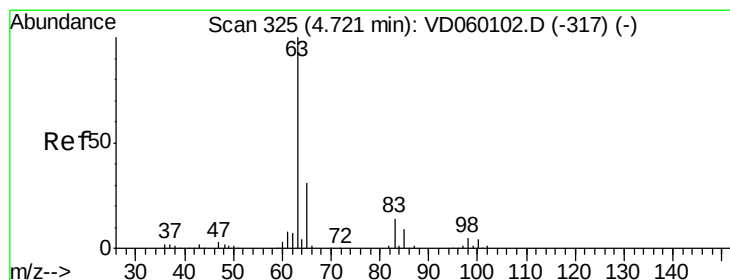
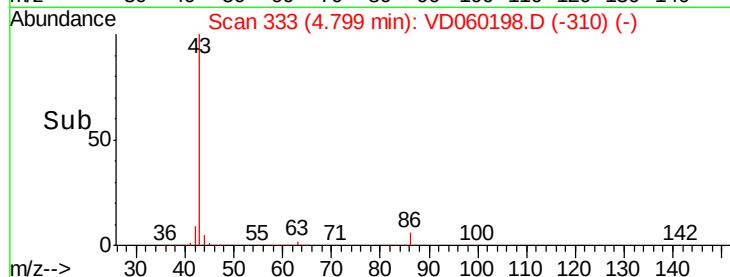
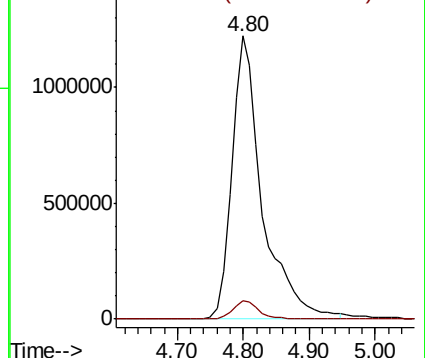
43 100

86 6.5 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.570 ug/l

RT: 4.75 min Scan# 328

Delta R.T. 0.03 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

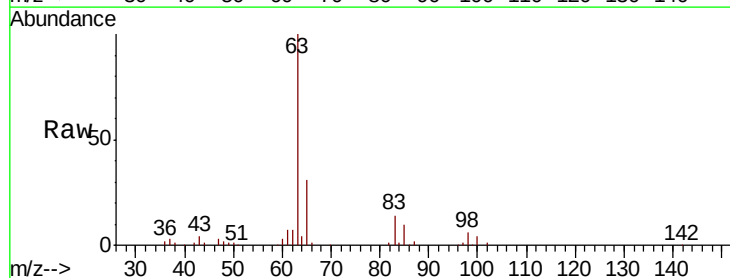
Tgt Ion: 63 Resp: 604083

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.3

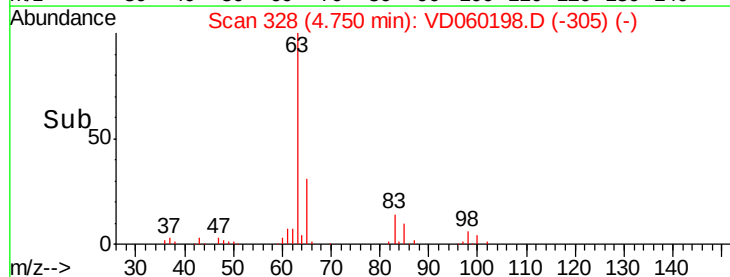
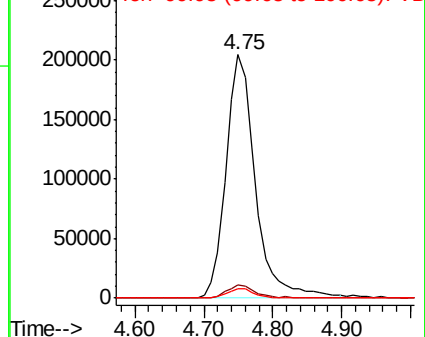
100 4.0 1.8 5.3

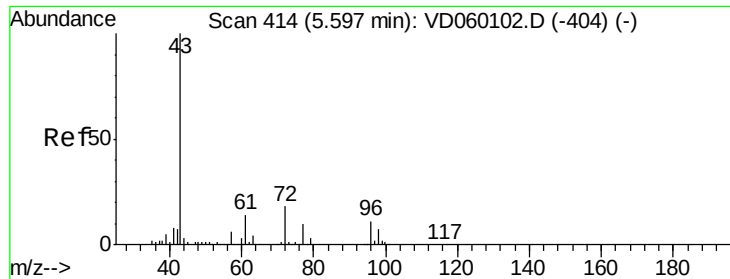


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 129.759 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

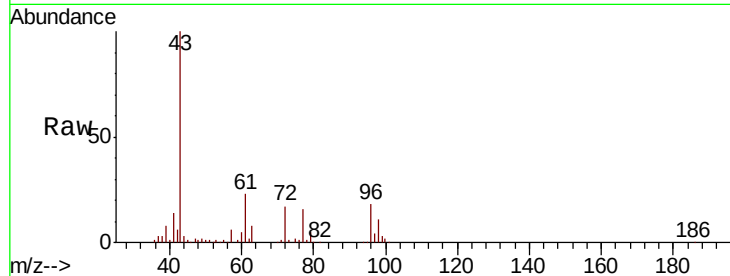
VD1025SBS01

Tot Ion: 43 Resp: 695629

Ion Ratio Lower Upper

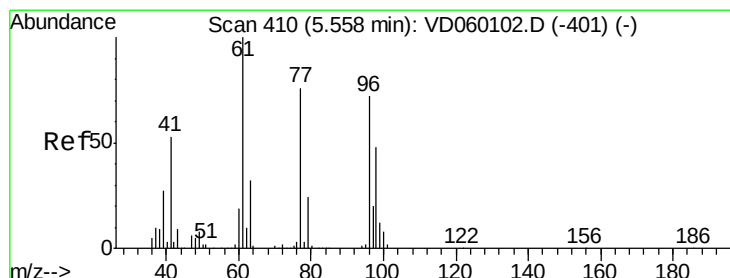
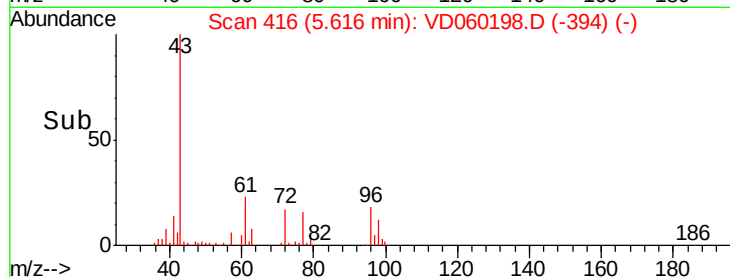
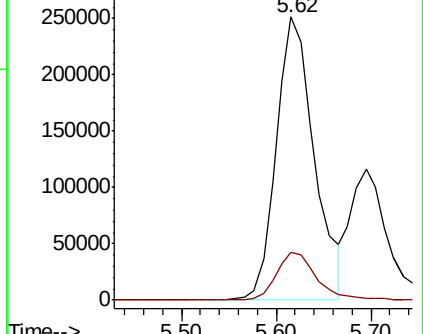
43 100

72 16.8 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 23.912 ug/l

RT: 5.59 min Scan# 413

Delta R.T. 0.03 min

Lab File: VD060198.D

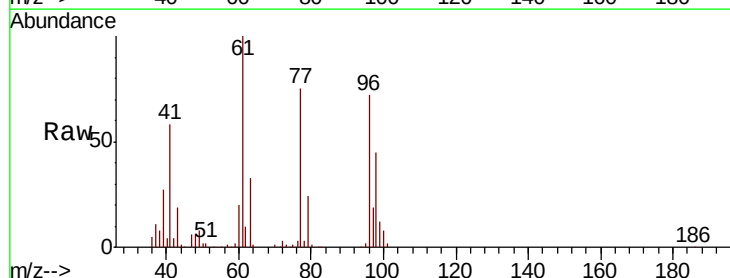
Acq: 25 Oct 2018 16:42

Tgt Ion: 77 Resp: 485181

Ion Ratio Lower Upper

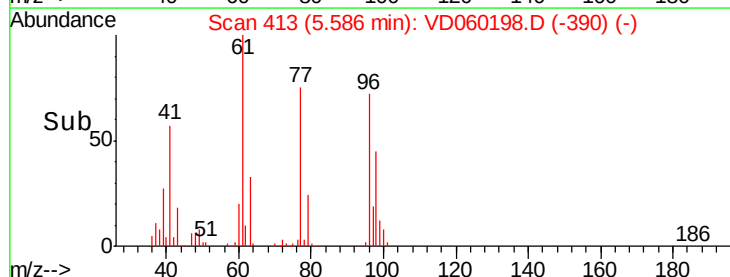
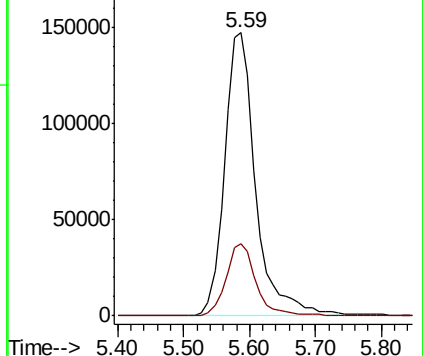
77 100

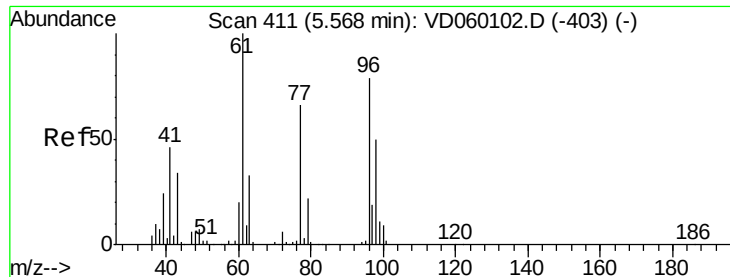
97 25.4 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



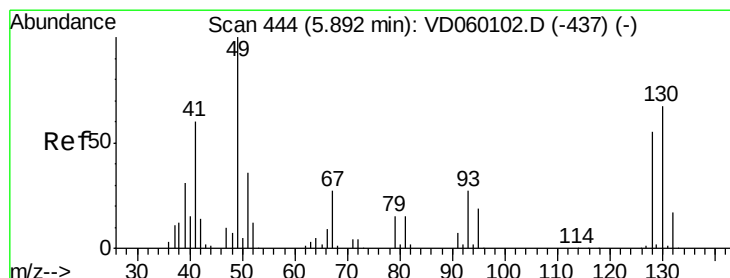
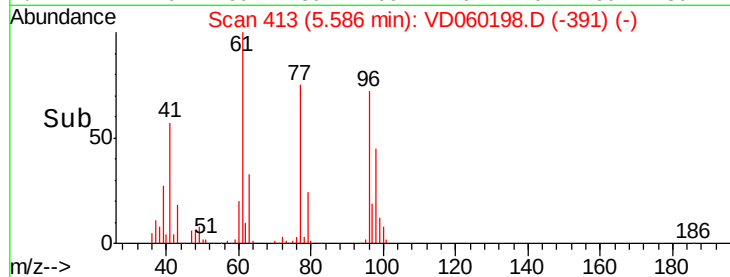
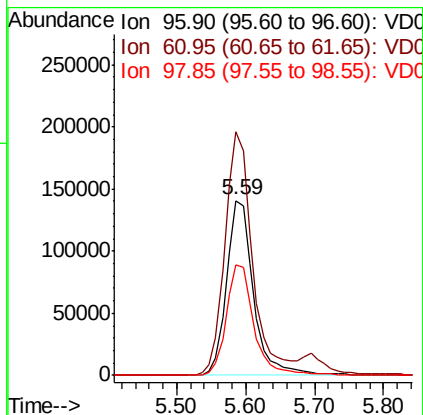
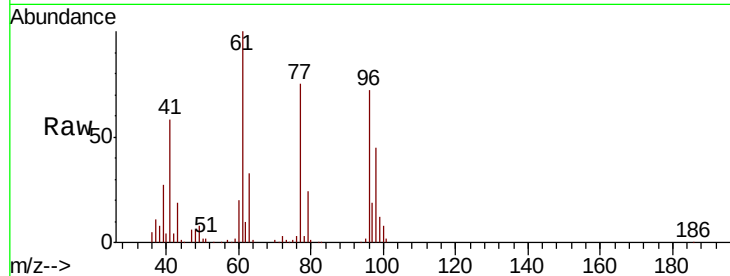


#27

cis-1,2-Dichloroethene
 Concen: 21.928 ug/l
 RT: 5.59 min Scan# 413
 Delta R.T. 0.02 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBSD01

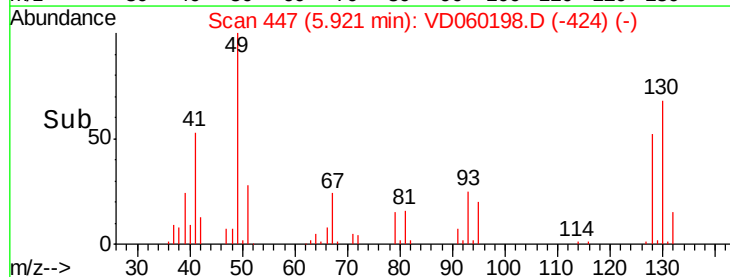
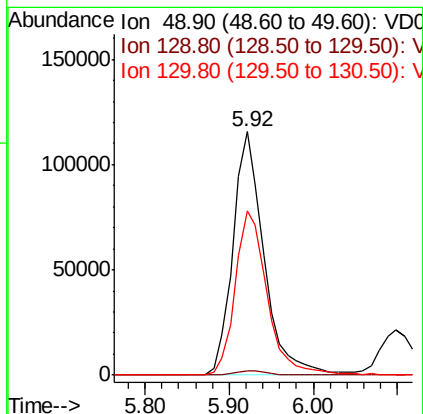
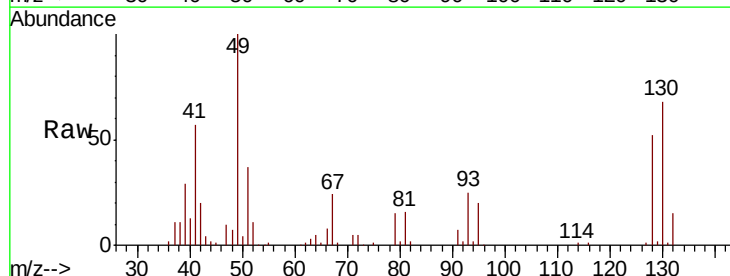
Tot Ion	96	Resp	381863
Ion	Ratio	Lower	Upper
96	100		
61	139.1	0.0	251.8
98	62.9	0.0	125.2

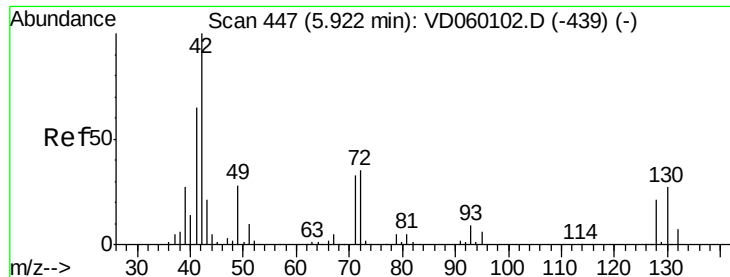


#28

Bromochloromethane
 Concen: 22.824 ug/l
 RT: 5.92 min Scan# 447
 Delta R.T. 0.03 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

Tgt Ion	49	Resp	296855
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	67.7	53.9	80.9





#29

Tetrahydrofuran

Concen: 113.355 ug/l

RT: 5.95 min Scan# 450

Delta R.T. 0.03 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

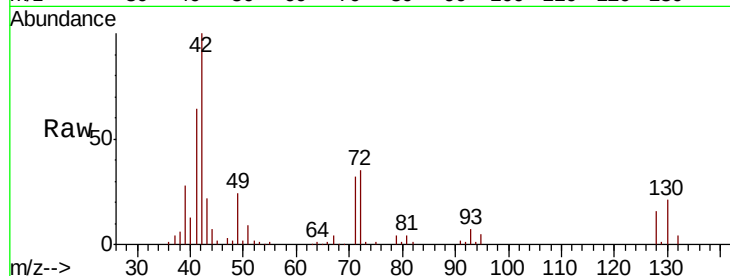
Tot Ion: 42 Resp: 352975

Ion Ratio Lower Upper

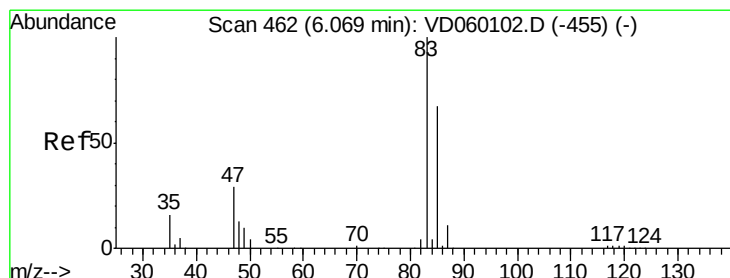
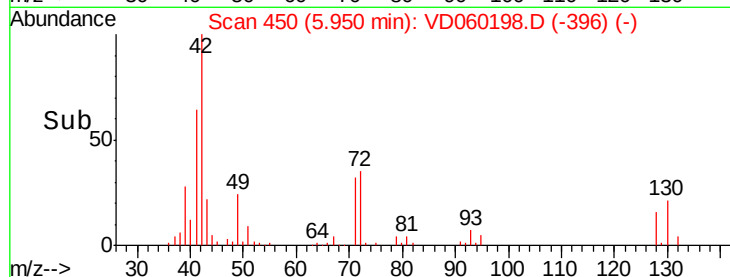
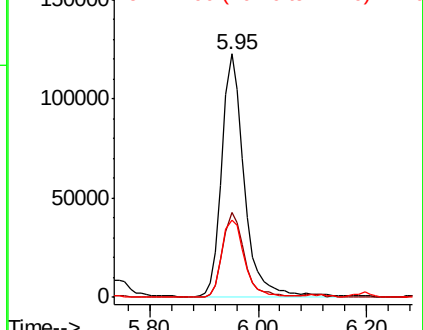
42 100

72 34.2 26.9 40.3

71 32.9 26.7 40.1



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



#30

Chloroform

Concen: 22.974 ug/l

RT: 6.10 min Scan# 465

Delta R.T. 0.03 min

Lab File: VD060198.D

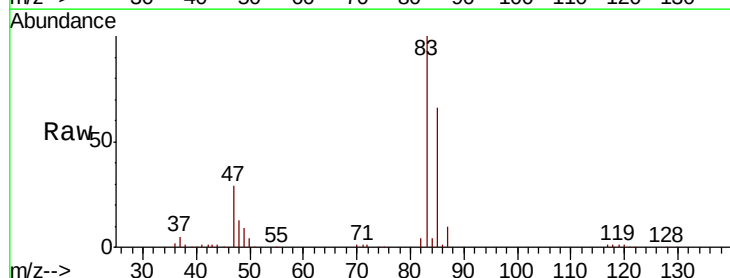
Acq: 25 Oct 2018 16:42

Tgt Ion: 83 Resp: 621986

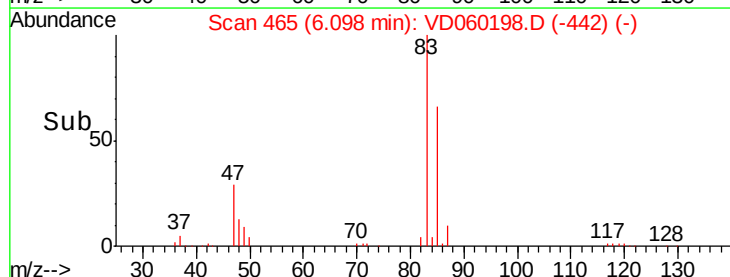
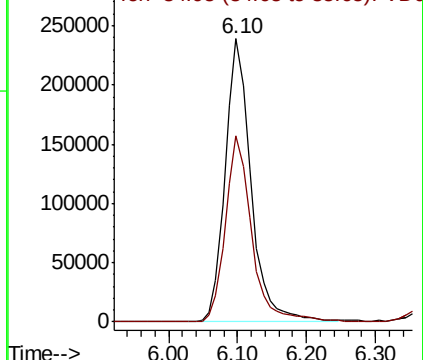
Ion Ratio Lower Upper

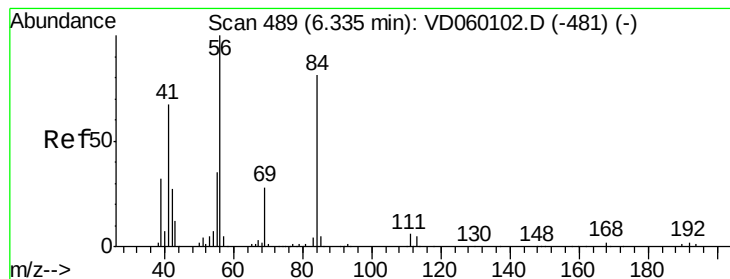
83 100

85 65.9 53.8 80.8



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





#31

Cyclohexane

Concen: 21.356 ug/l

RT: 6.36 min Scan# 492

Delta R.T. 0.03 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

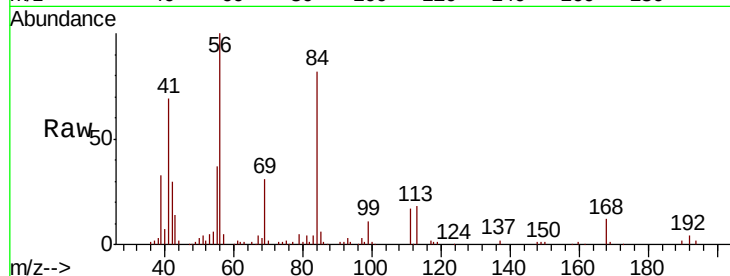
Tot Ion: 56 Resp: 547150

Ion Ratio Lower Upper

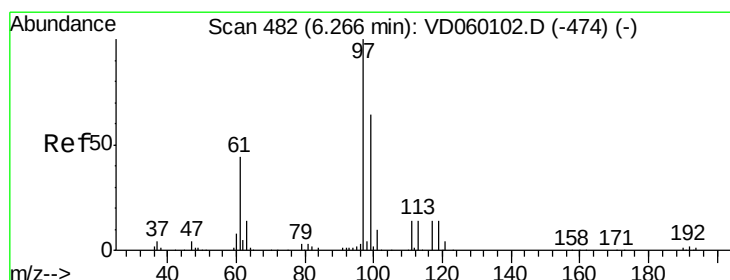
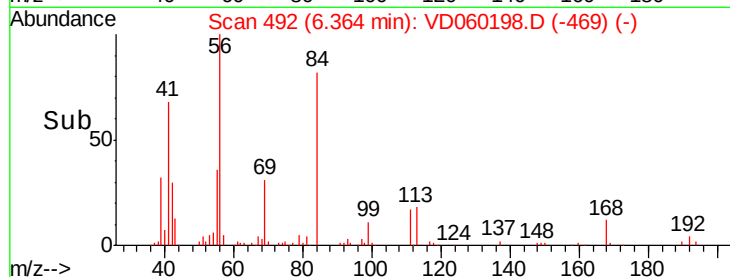
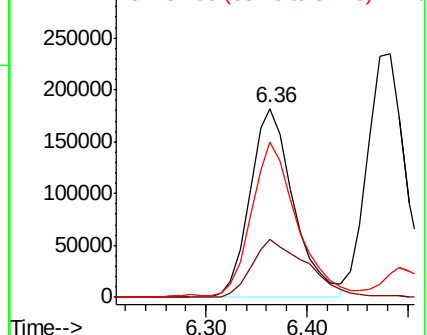
56 100

69 30.6 22.8 34.2

84 82.3 64.9 97.3



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



#32

1,1,1-Trichloroethane

Concen: 22.161 ug/l

RT: 6.29 min Scan# 484

Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

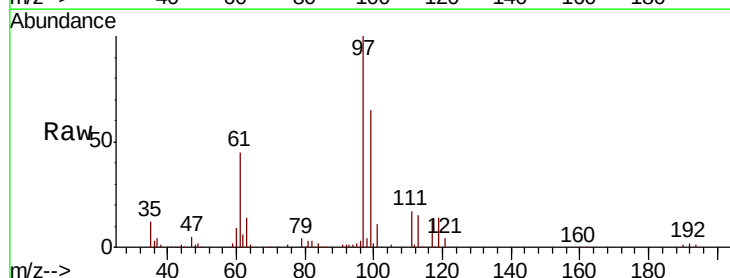
Tgt Ion: 97 Resp: 491551

Ion Ratio Lower Upper

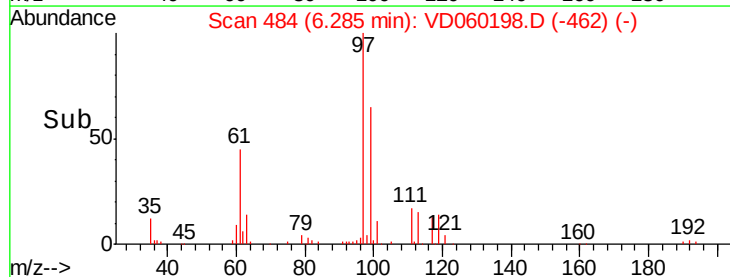
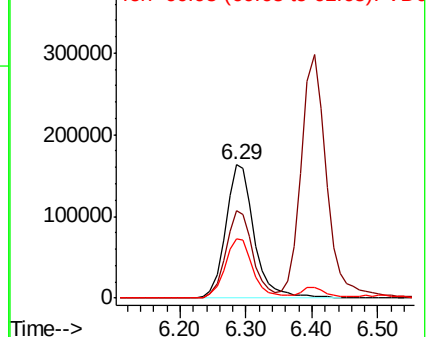
97 100

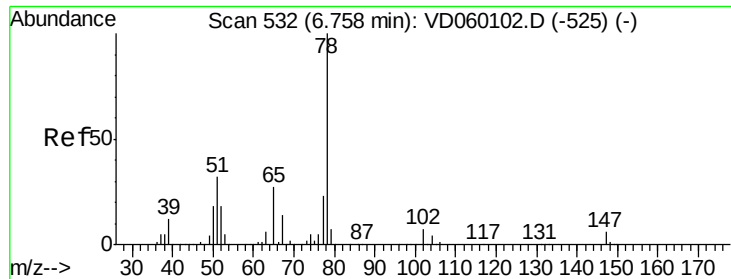
99 65.4 51.4 77.0

61 44.6 35.5 53.3



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





#33

1,2-Dichloroethane-d4

Concen: 22.161 ug/l

RT: 6.78 min Scan# 534

Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

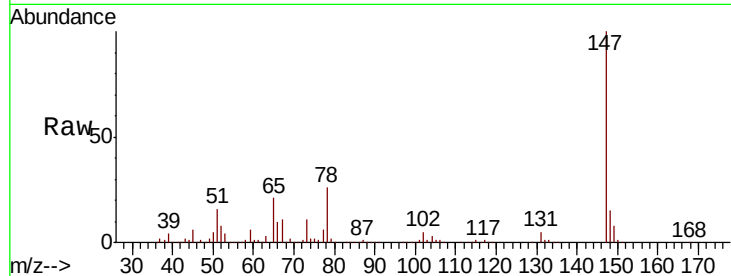
VD1025SBSD01

Tot Ion: 65 Resp: 652302

Ion Ratio Lower Upper

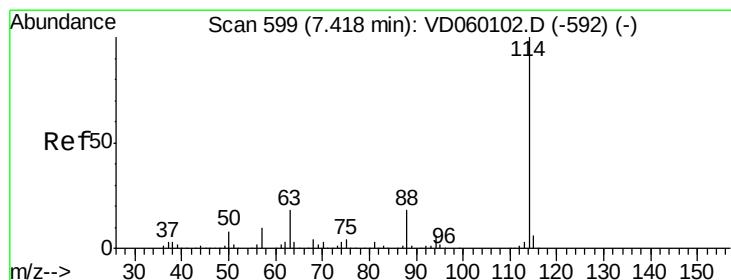
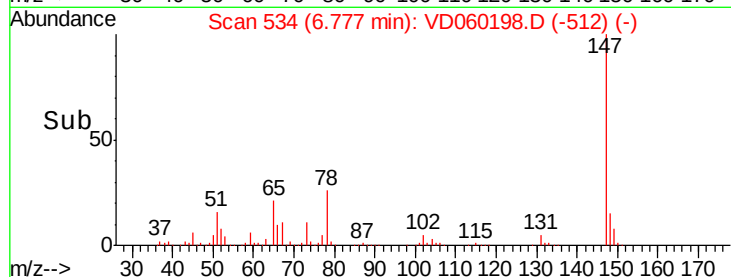
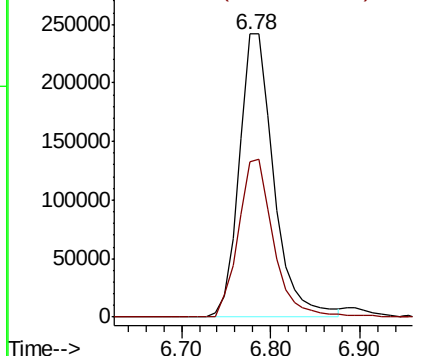
65 100

67 55.0 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

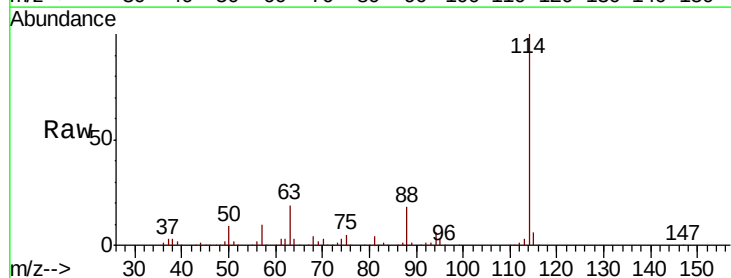
Tgt Ion: 114 Resp: 2184682

Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.0

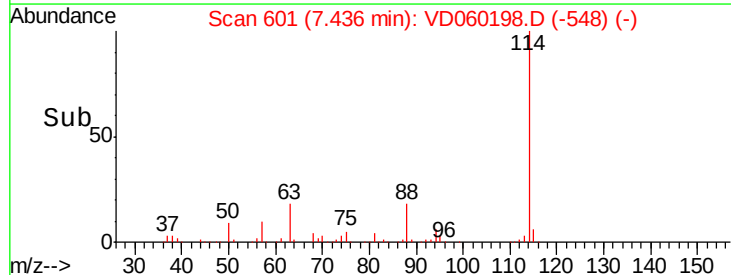
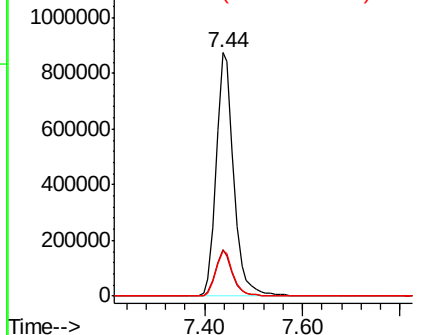
88 18.3 0.0 36.2

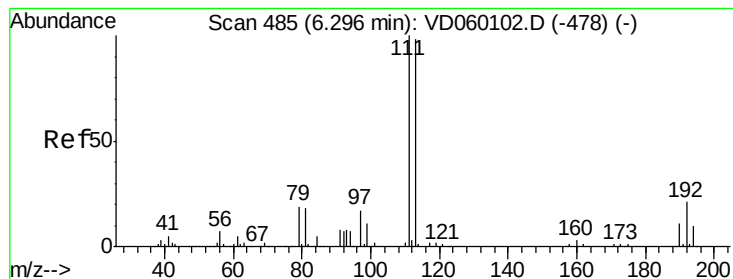


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 488

Delta R.T. 0.03 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBSD01

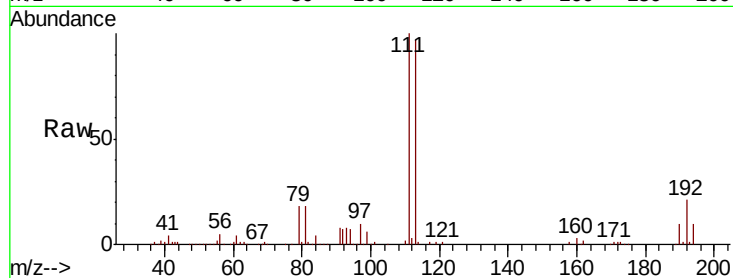
Tot Ion:113 Resp: 885926

Ion Ratio Lower Upper

113 100

111 102.7 81.5 122.3

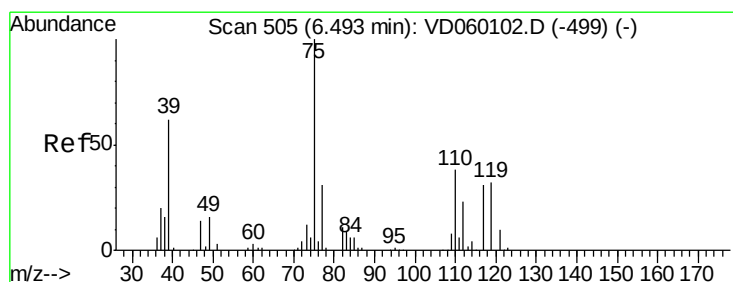
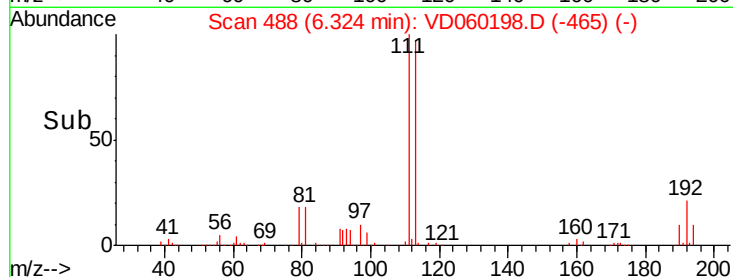
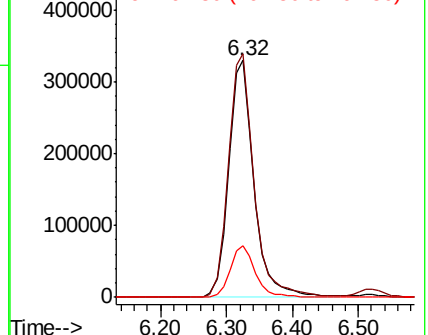
192 21.6 17.4 26.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.669 ug/l

RT: 6.52 min Scan# 508

Delta R.T. 0.03 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

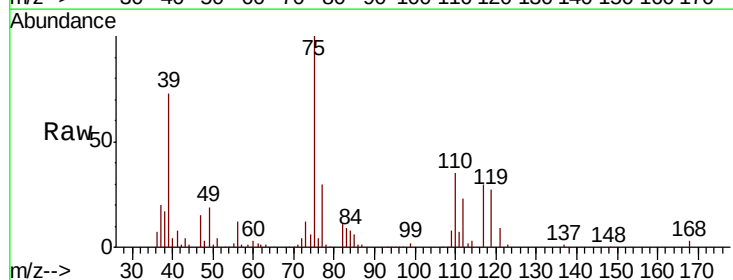
Tgt Ion: 75 Resp: 452369

Ion Ratio Lower Upper

75 100

110 35.1 19.0 57.0

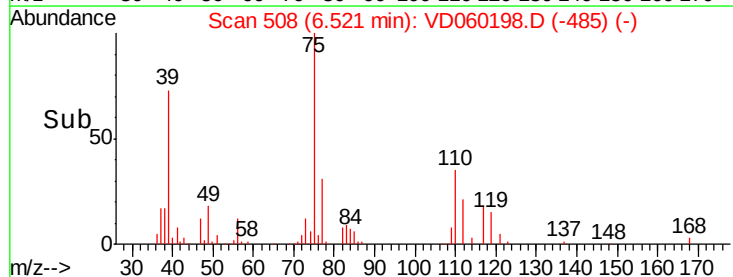
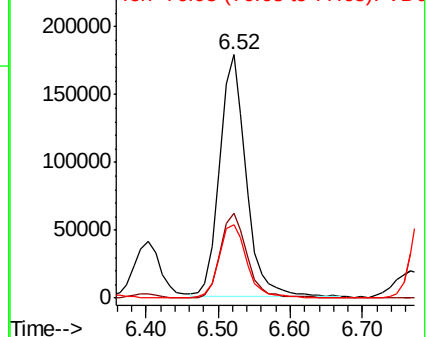
77 30.3 24.9 37.3

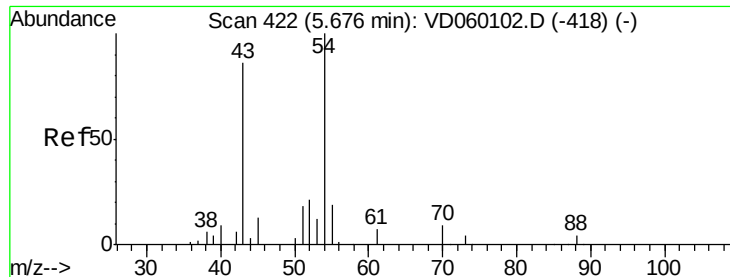


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

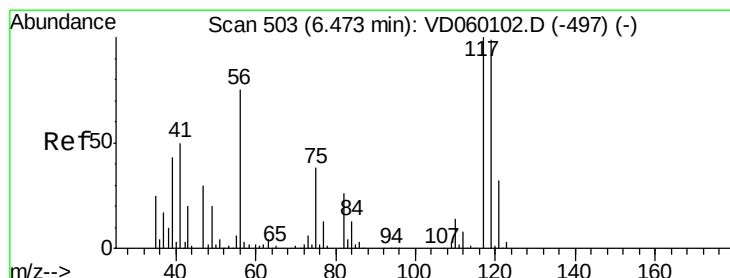
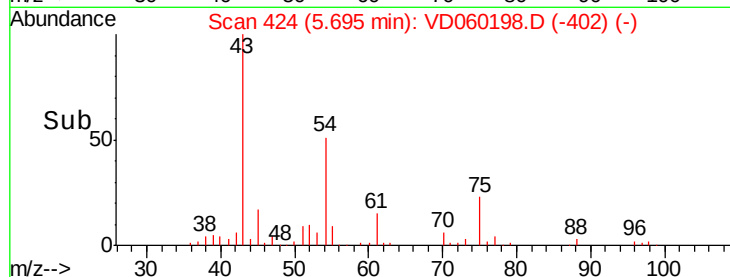
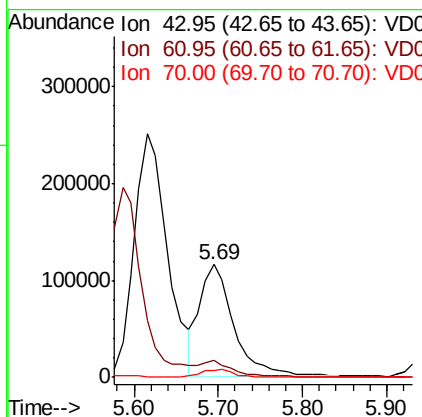
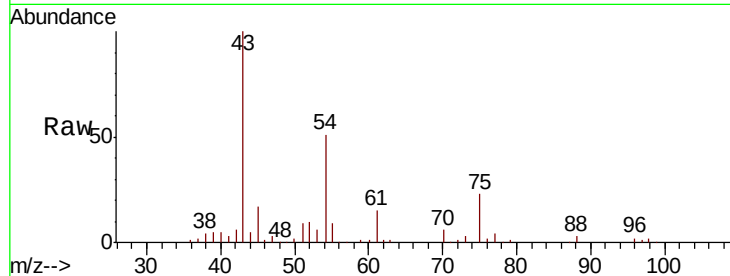




#37
Ethyl Acetate
Concen: 23.213 ug/l
RT: 5.69 min Scan# 424
Delta R.T. 0.02 min
Lab File: VD060198.D
Acq: 25 Oct 2018 16:42

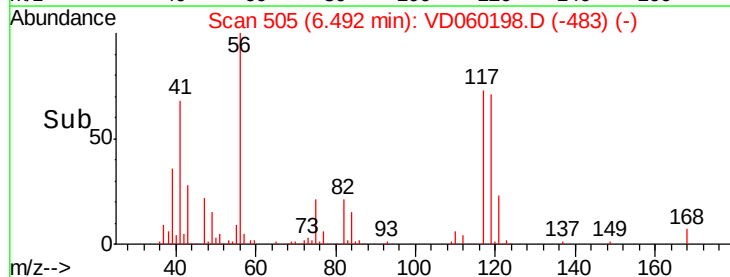
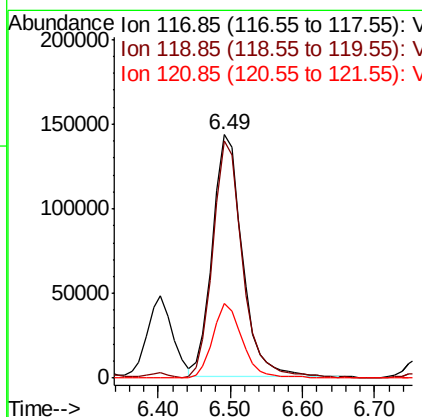
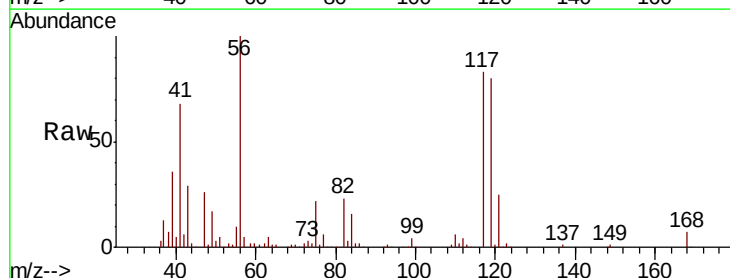
Instrument :
MSVOA_D
ClientSampleId :
VD1025SBSD01

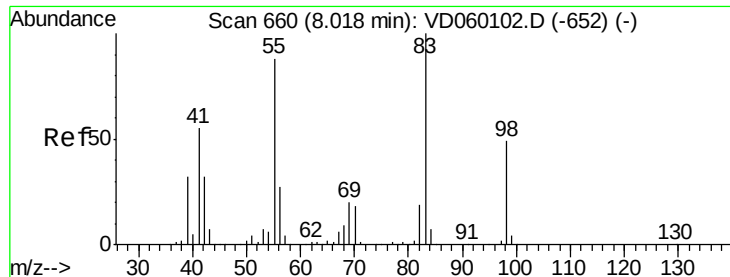
Tot Ion: 43 Resp: 321662
Ion Ratio Lower Upper
43 100
61 15.2 10.5 15.7
70 6.4 6.3 9.5



#38
Carbon Tetrachloride
Concen: 21.627 ug/l
RT: 6.49 min Scan# 505
Delta R.T. 0.02 min
Lab File: VD060198.D
Acq: 25 Oct 2018 16:42

Tgt Ion: 117 Resp: 409787
Ion Ratio Lower Upper
117 100
119 97.4 77.8 116.6
121 30.7 24.8 37.2

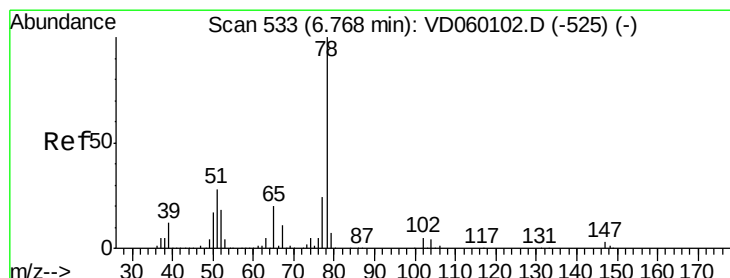
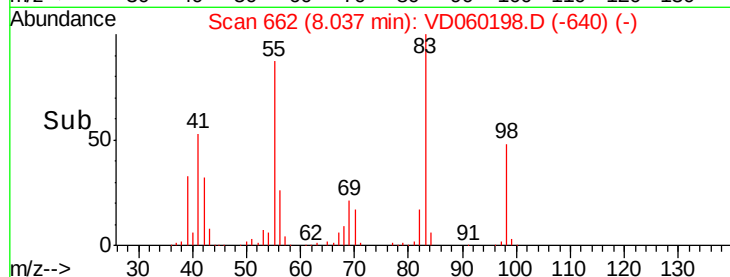
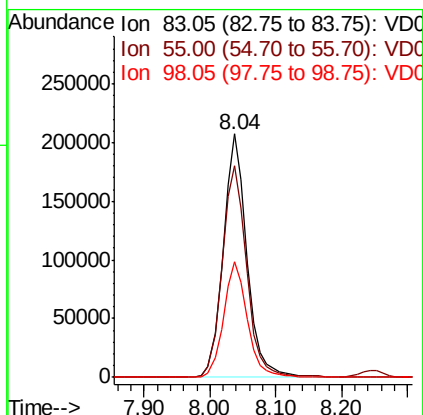
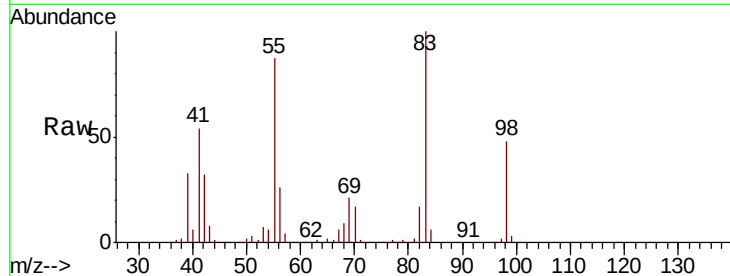




#39
Methylvlcyclohexane
Concen: 21.940 ug/l
RT: 8.04 min Scan# 662
Delta R.T. 0.02 min
Lab File: VD060198.D
Acq: 25 Oct 2018 16:42

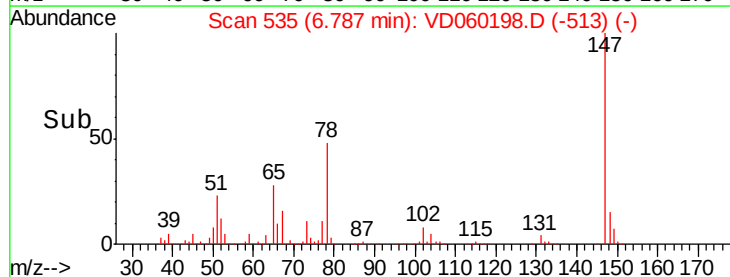
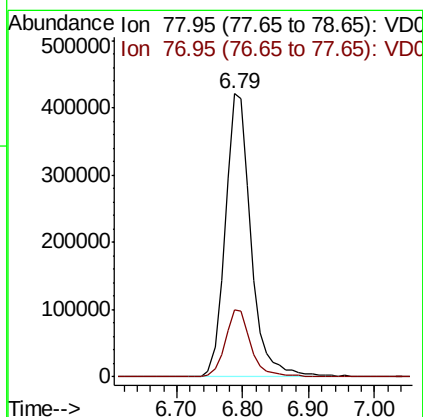
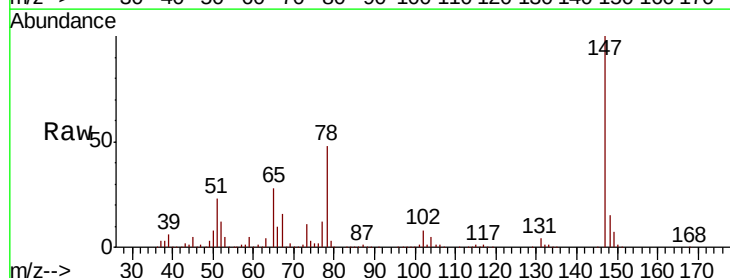
Instrument :
MSVOA_D
ClientSampleId :
VD1025SBSD01

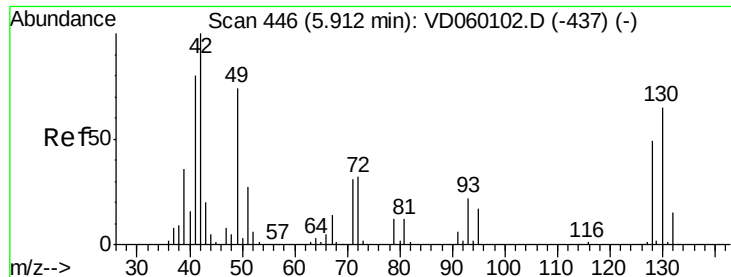
Tot Ion: 83 Resp: 520416
Ion Ratio Lower Upper
83 100
55 86.7 70.5 105.7
98 47.5 39.4 59.2



#40
Benzene
Concen: 21.031 ug/l
RT: 6.79 min Scan# 535
Delta R.T. 0.02 min
Lab File: VD060198.D
Acq: 25 Oct 2018 16:42

Tgt Ion: 78 Resp: 1148663
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4





#41

Methacrylonitrile

Concen: 45.123 ug/l

RT: 5.95 min Scan# 450

Delta R.T. 0.04 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 41 Resp: 353420

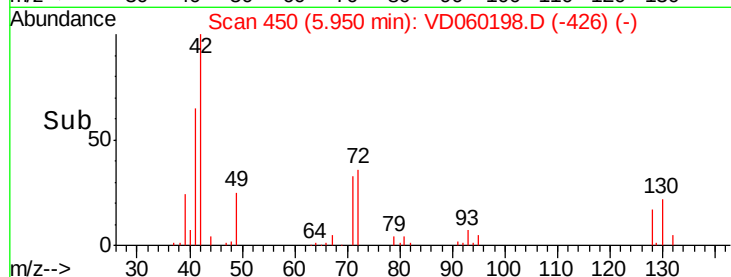
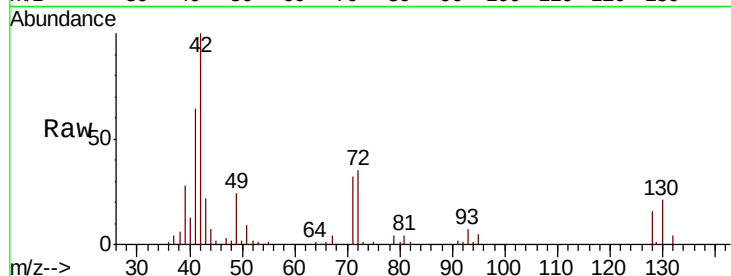
Ion Ratio Lower Upper

41 100

39 43.3 36.0 54.0

67 6.9 13.9 20.9#

52 2.8 6.1 9.1#

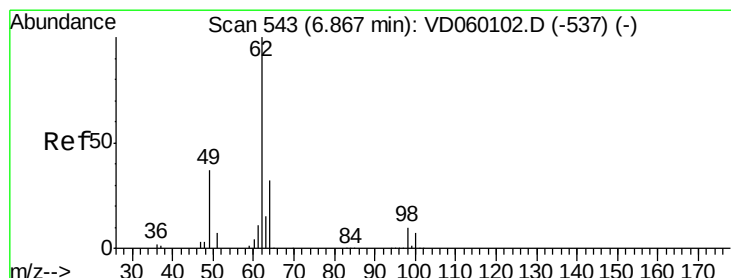
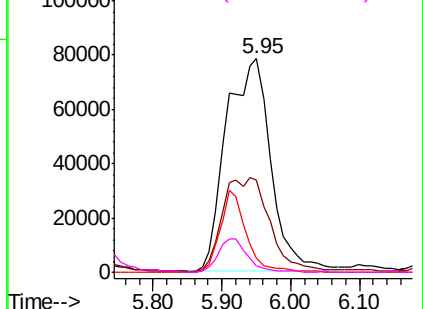


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 23.138 ug/l

RT: 6.89 min Scan# 545

Delta R.T. 0.02 min

Lab File: VD060198.D

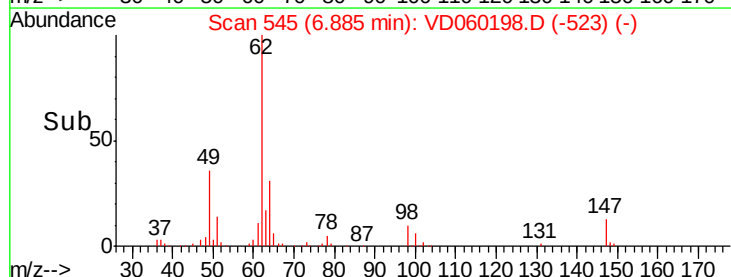
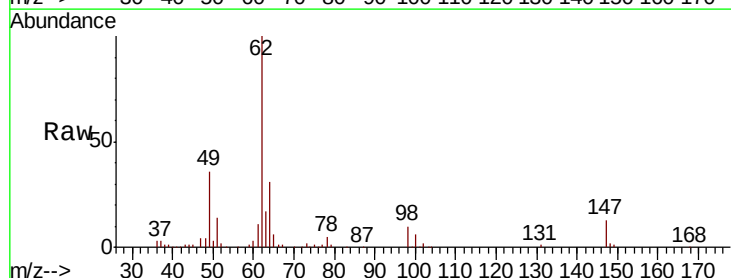
Acq: 25 Oct 2018 16:42

Tgt Ion: 62 Resp: 362307

Ion Ratio Lower Upper

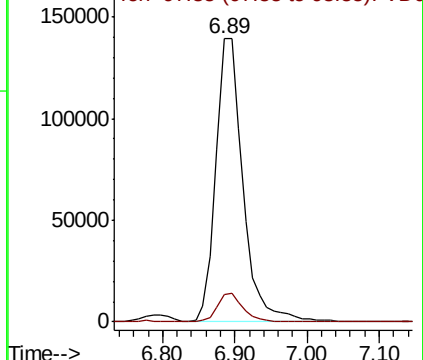
62 100

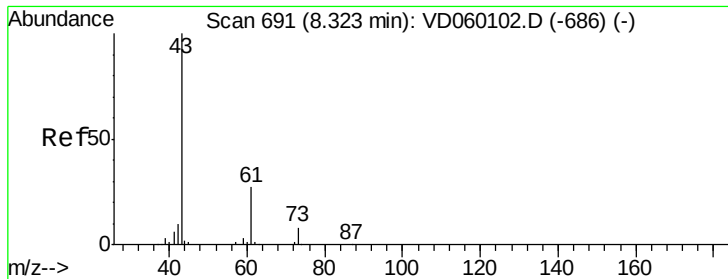
98 9.8 0.0 20.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



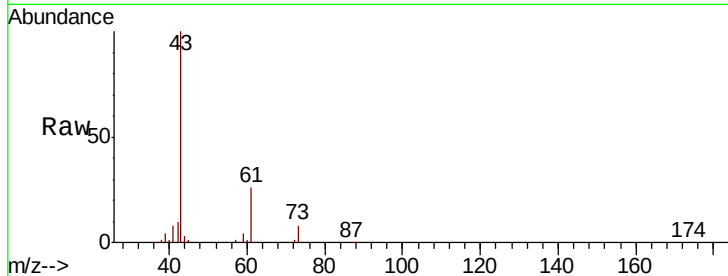


#43

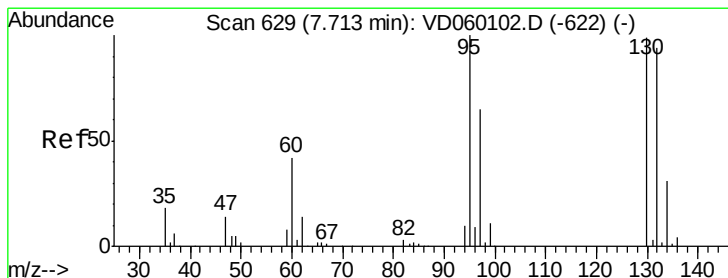
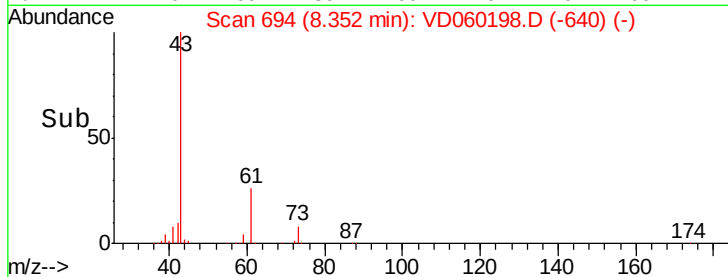
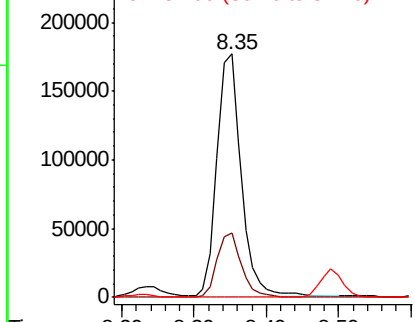
Isopropyl Acetate
 Concen: 22.429 ug/l
 RT: 8.35 min Scan# 694
 Delta R.T. 0.03 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion: 43 Resp: 408881
 Ion Ratio Lower Upper
 43 100
 61 26.2 21.4 32.2
 87 0.2 0.2 0.2#



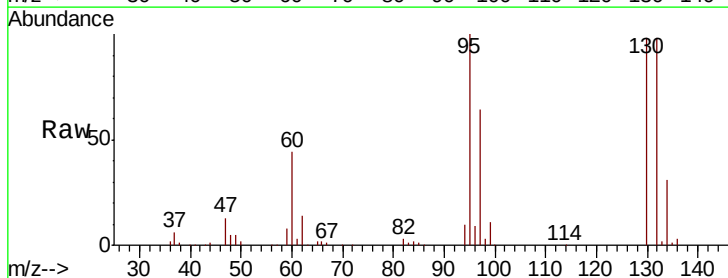
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



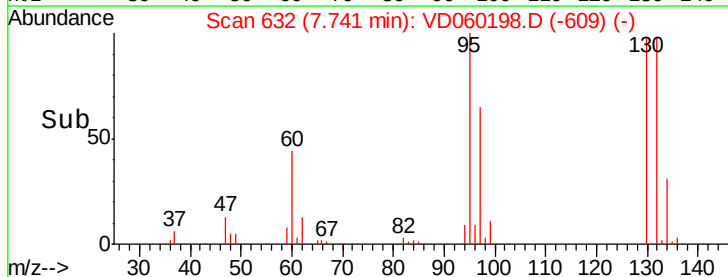
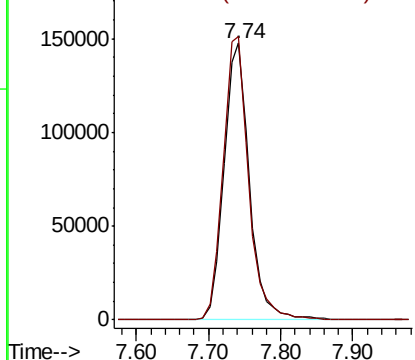
#44

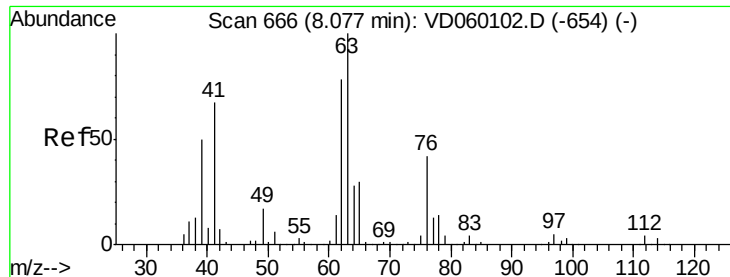
Trichloroethene
 Concen: 21.248 ug/l
 RT: 7.74 min Scan# 632
 Delta R.T. 0.03 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

Tgt Ion: 130 Resp: 359229
 Ion Ratio Lower Upper
 130 100
 95 102.3 0.0 202.2



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

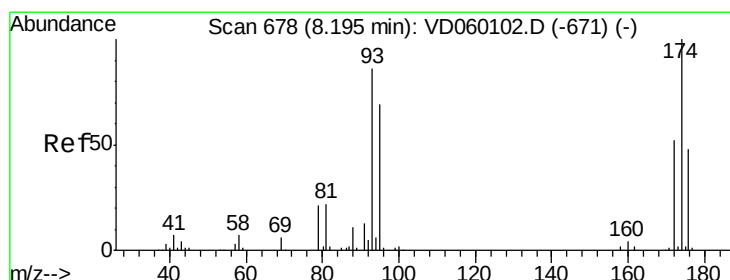
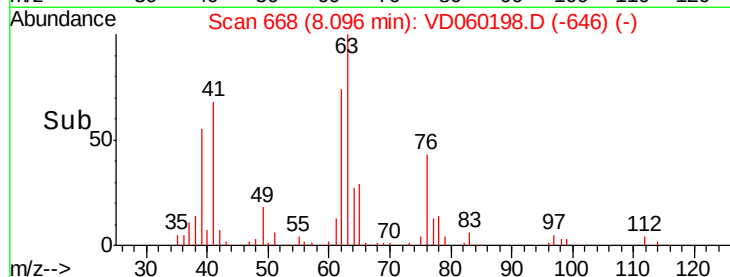
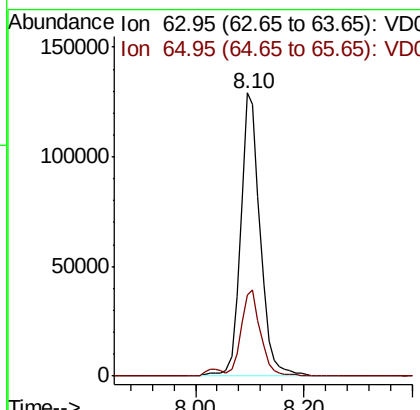
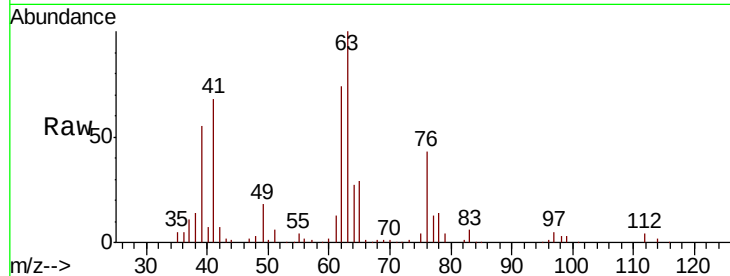




#45
 1,2-Dichloropropane
 Concen: 22.703 ug/l
 RT: 8.10 min Scan# 668
 Delta R.T. 0.02 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

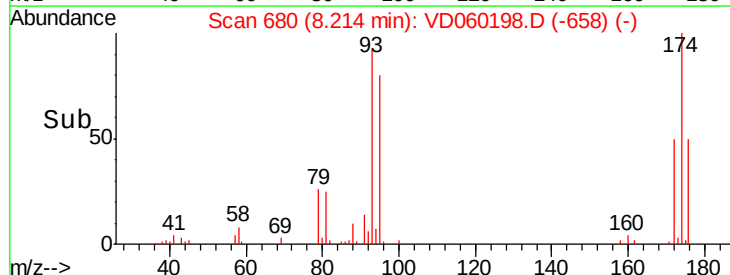
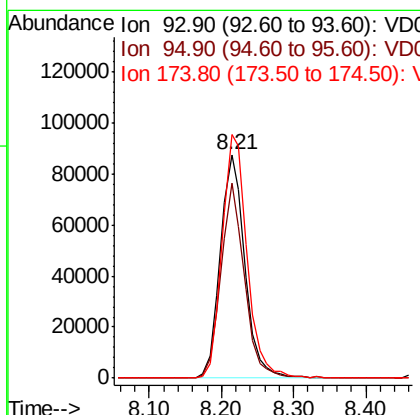
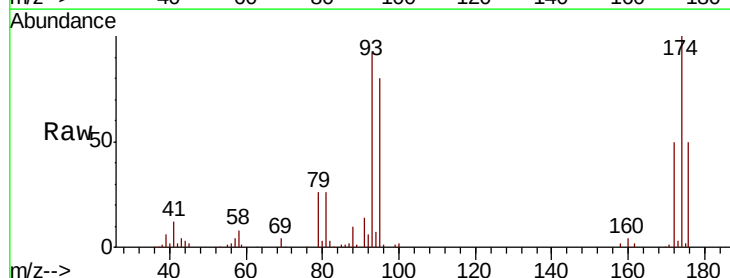
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBSD01

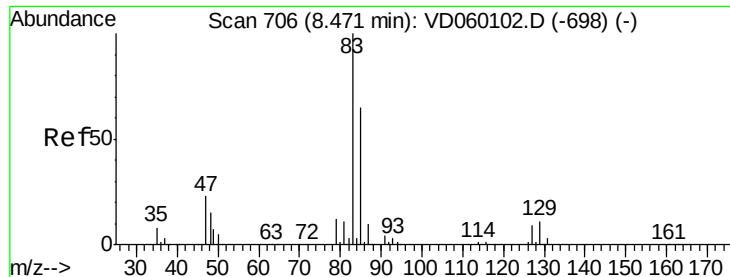
Tot Ion: 63 Resp: 324677
 Ion Ratio Lower Upper
 63 100
 65 28.8 24.1 36.1



#46
 Dibromomethane
 Concen: 22.167 ug/l
 RT: 8.21 min Scan# 680
 Delta R.T. 0.02 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

Tgt Ion: 93 Resp: 205238
 Ion Ratio Lower Upper
 93 100
 95 87.4 63.8 95.6
 174 108.9 92.9 139.3





#47

Bromodichloromethane

Concen: 22.806 ug/l

RT: 8.49 min Scan# 708

Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBSD01

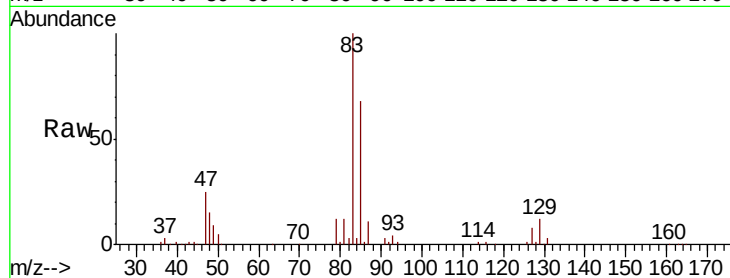
Tot Ion: 83 Resp: 449906

Ion Ratio Lower Upper

83 100

85 68.1 52.2 78.2

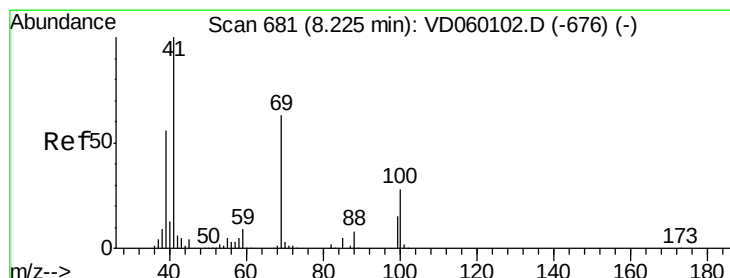
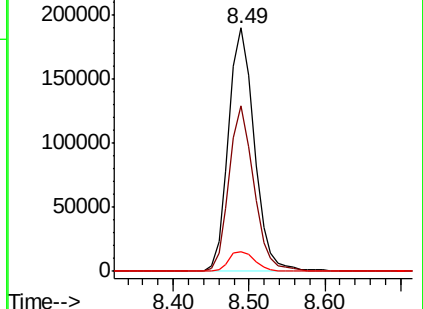
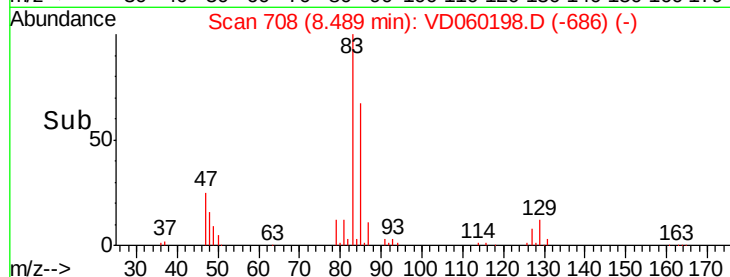
127 8.3 7.4 11.0



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 22.725 ug/l

RT: 8.24 min Scan# 683

Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

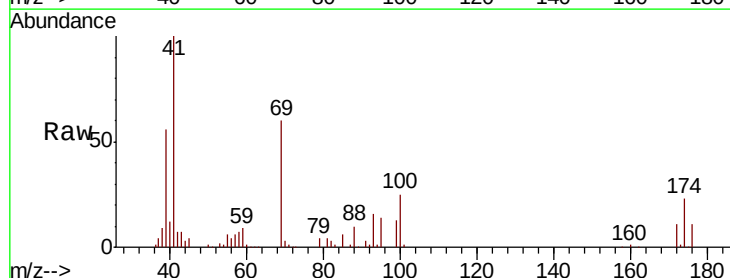
Tgt Ion: 41 Resp: 235980

Ion Ratio Lower Upper

41 100

69 60.2 49.7 74.5

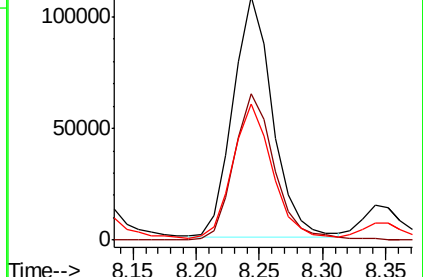
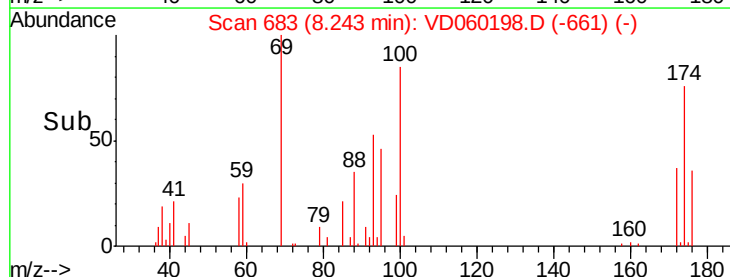
39 55.6 45.2 67.8

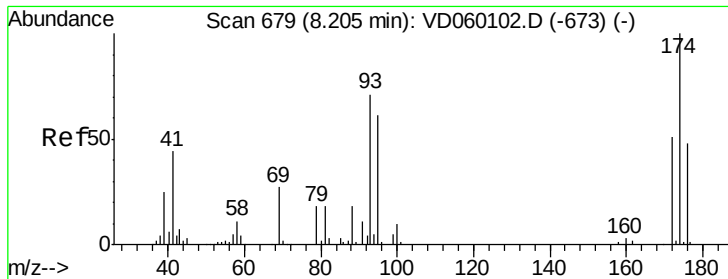


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

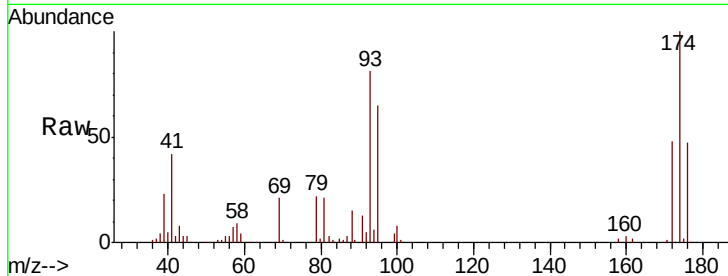




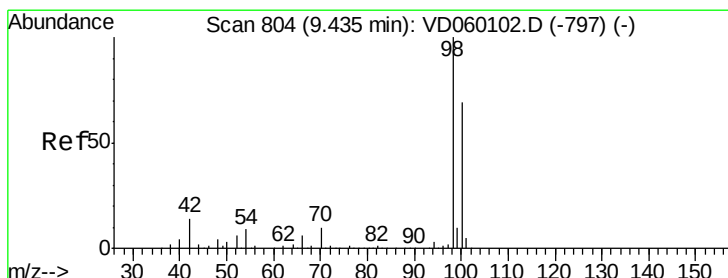
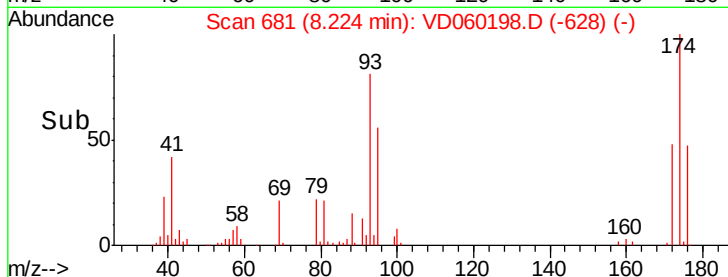
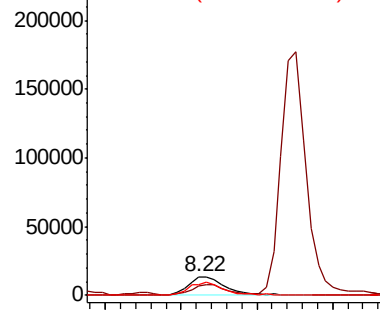
#49
1,4-Dioxane
Concen: 450.634 ug/l
RT: 8.22 min Scan# 681
Delta R.T. 0.02 min
Lab File: VD060198.D
Acq: 25 Oct 2018 16:42

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBSD01

Tot Ion: 88 Resp: 46043
Ion Ratio Lower Upper
88 100
43 50.9 33.7 50.5#
58 56.4 49.1 73.7

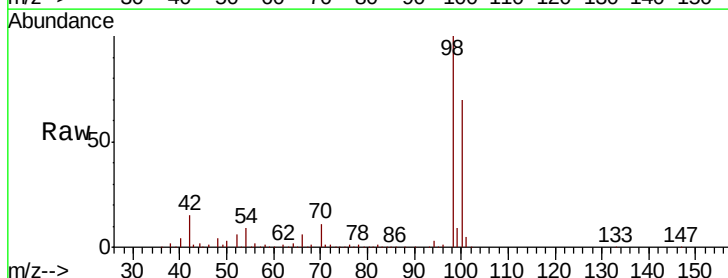


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

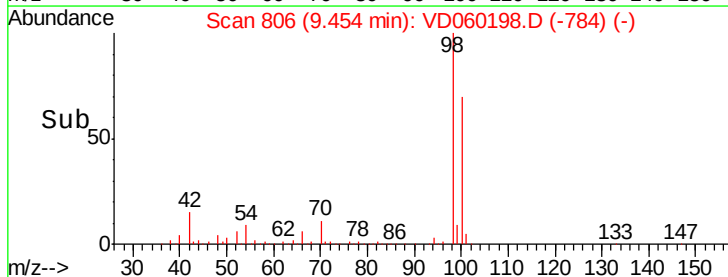
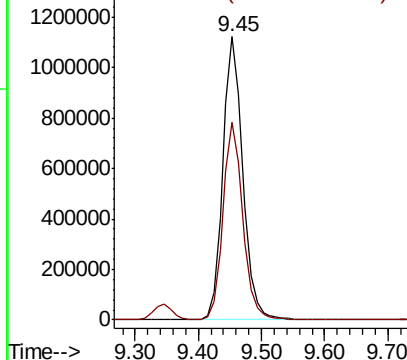


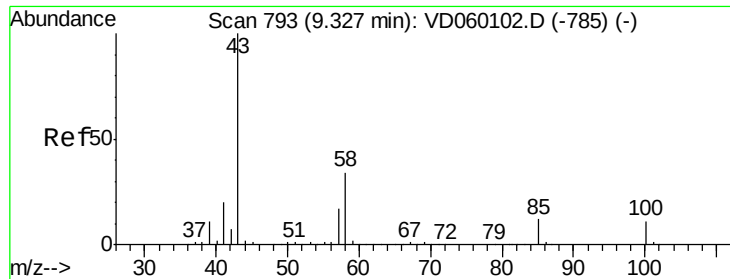
#50
Toluene-d8
Concen: 450.634 ug/l
RT: 9.45 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060198.D
Acq: 25 Oct 2018 16:42

Tgt Ion: 98 Resp: 2467950
Ion Ratio Lower Upper
98 100
100 69.6 55.4 83.0



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: 118.740 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

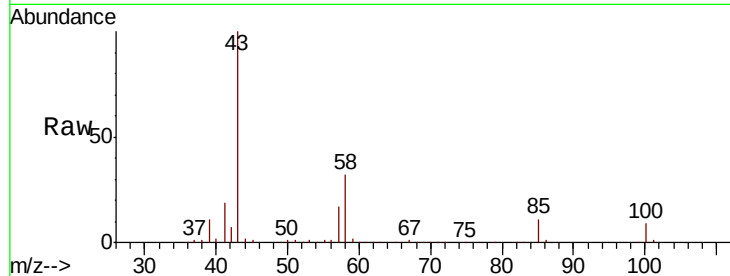
VD1025SBS01

Tot Ion: 43 Resp: 1365338

Ion Ratio Lower Upper

43 100

58 32.0 27.2 40.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

600000

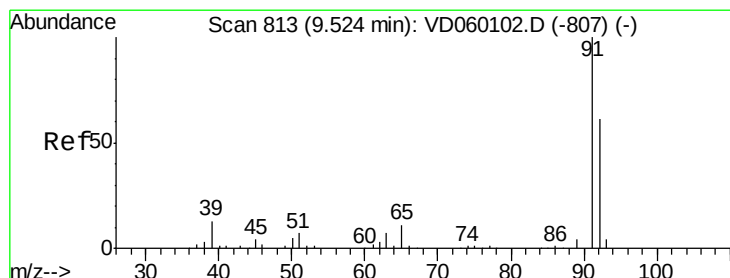
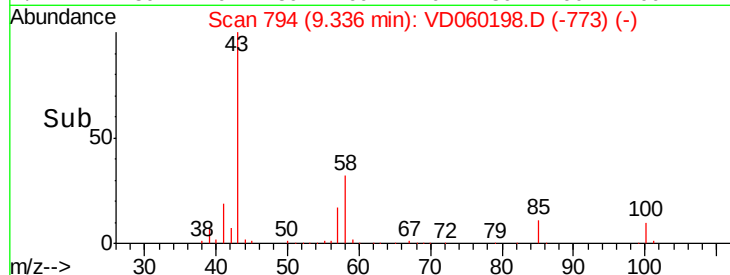
400000

200000

0

9.20 9.30 9.40

Time-->



#52

Toluene

Concen: 22.004 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060198.D

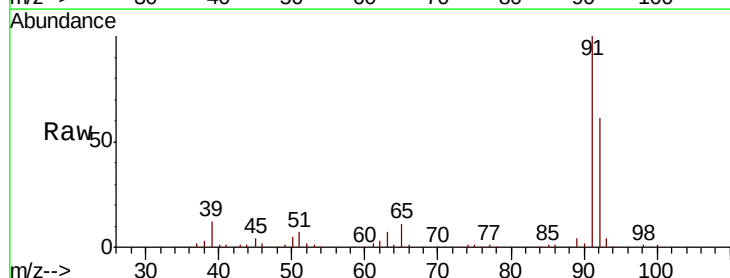
Acq: 25 Oct 2018 16:42

Tgt Ion: 92 Resp: 773976

Ion Ratio Lower Upper

92 100

91 163.4 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

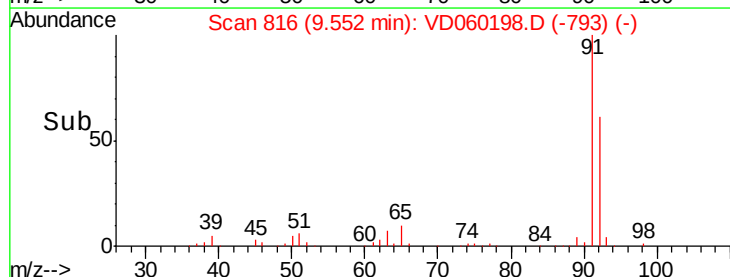
400000

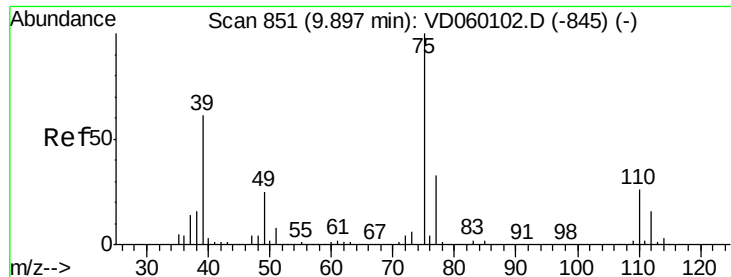
200000

0

9.40 9.50 9.60 9.70

Time-->

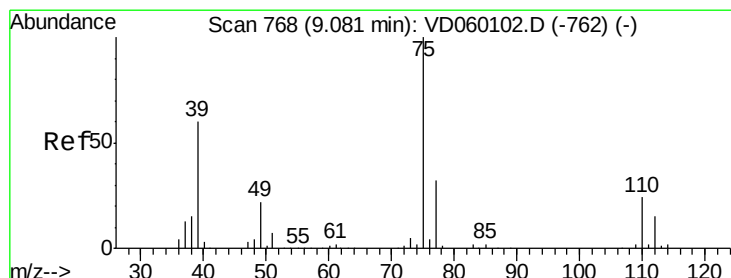
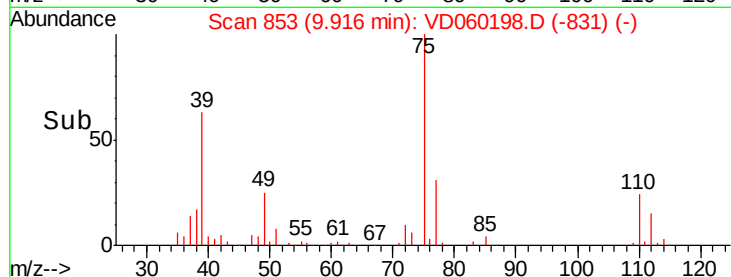
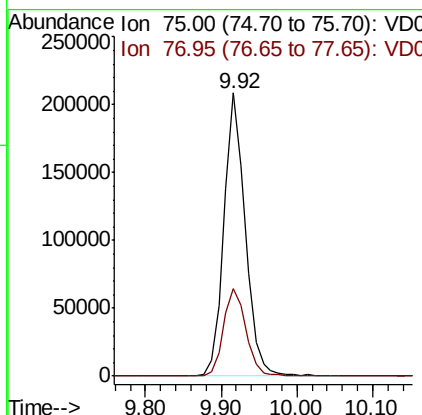
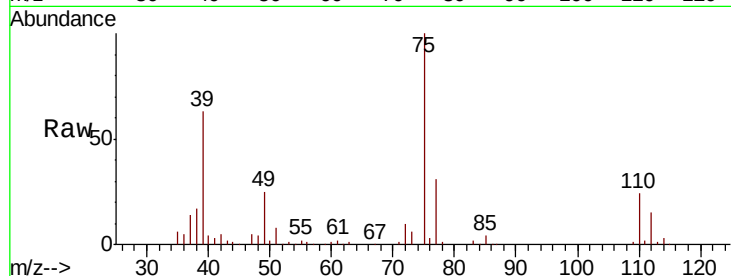




#53
 t-1,3-Dichloropropene
 Concen: 22.804 ug/l
 RT: 9.92 min Scan# 853
 Delta R.T. 0.02 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

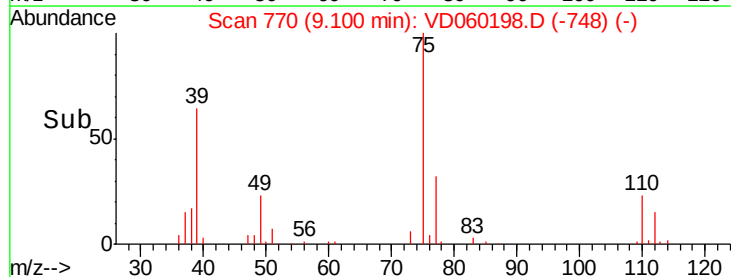
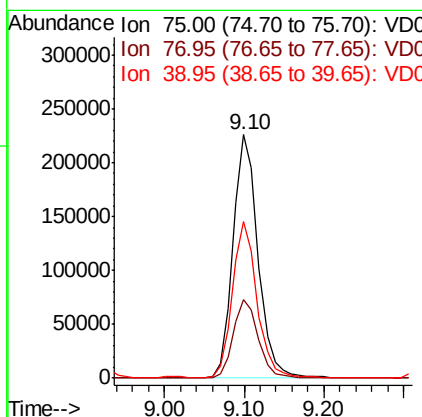
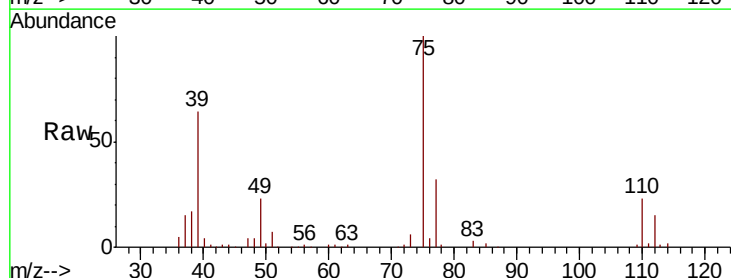
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBSD01

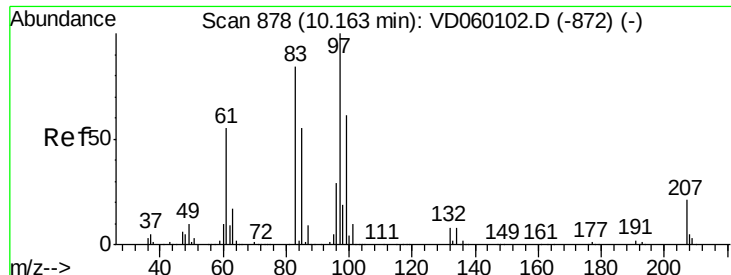
Tot Ion: 75 Resp: 407051
 Ion Ratio Lower Upper
 75 100
 77 30.8 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 22.442 ug/l
 RT: 9.10 min Scan# 770
 Delta R.T. 0.02 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

Tgt Ion: 75 Resp: 494689
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.7 38.5
 39 64.4 48.2 72.4

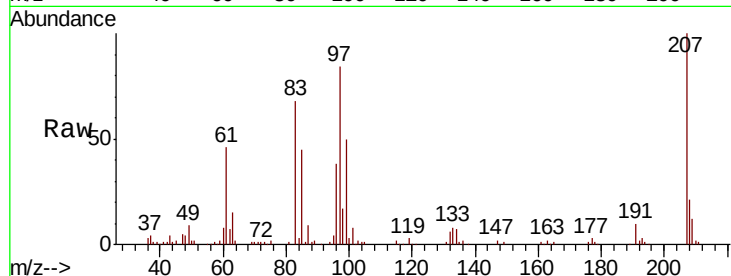




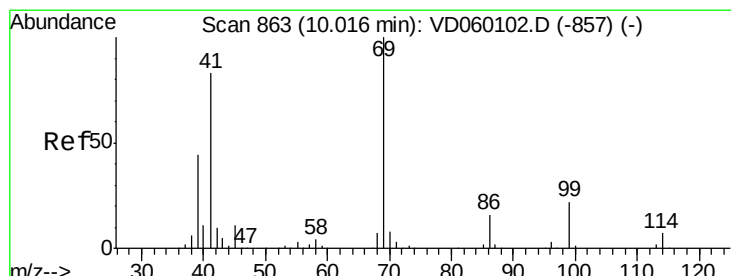
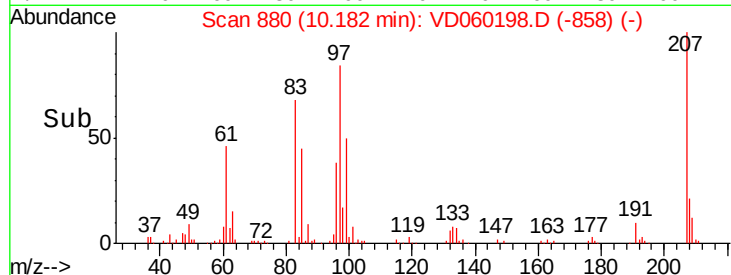
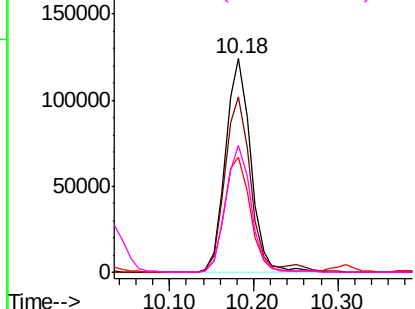
#55
 1,1,2-Trichloroethane
 Concen: 22.550 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. 0.02 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion:	97	Resp:	259301
Ion	Ratio	Lower	Upper
97	100		
83	82.0	67.0	100.6
85	54.2	43.9	65.9
99	59.5	49.1	73.7

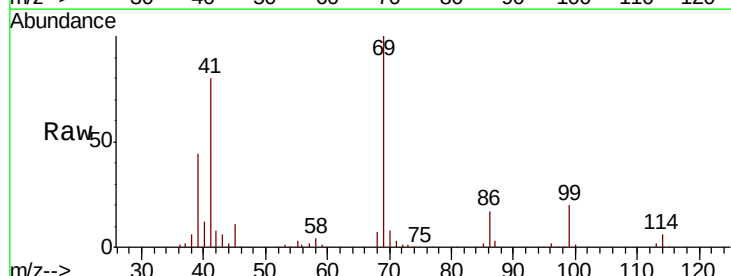


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

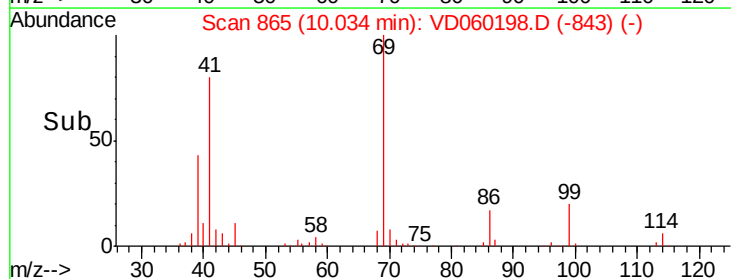
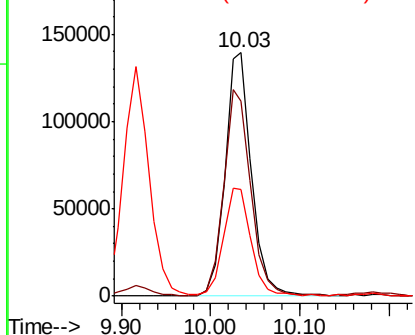


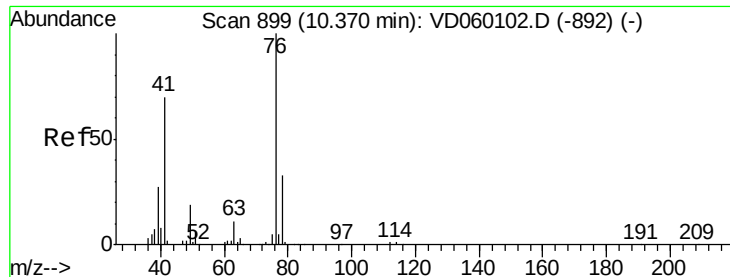
#56
 Ethyl methacrylate
 Concen: 22.819 ug/l
 RT: 10.03 min Scan# 865
 Delta R.T. 0.02 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

Tgt Ion:	69	Resp:	289648
Ion	Ratio	Lower	Upper
69	100		
41	80.1	66.6	100.0
39	43.7	36.0	54.0



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: 23.164 ug/l

RT: 10.38 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

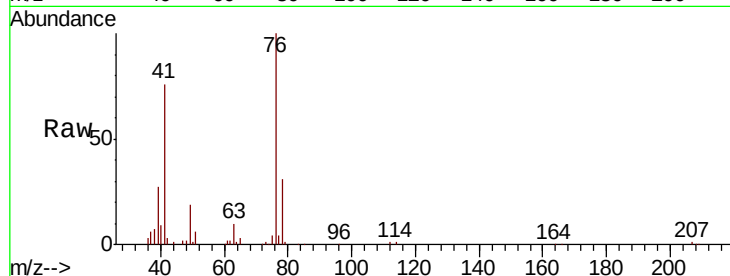
VD1025SBSD01

Tot Ion: 76 Resp: 406237

Ion Ratio Lower Upper

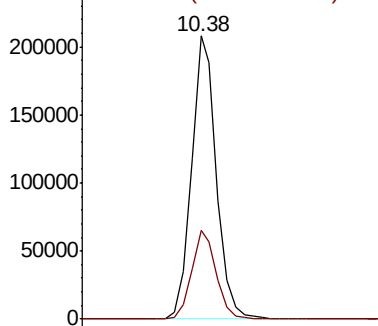
76 100

78 31.4 26.2 39.2

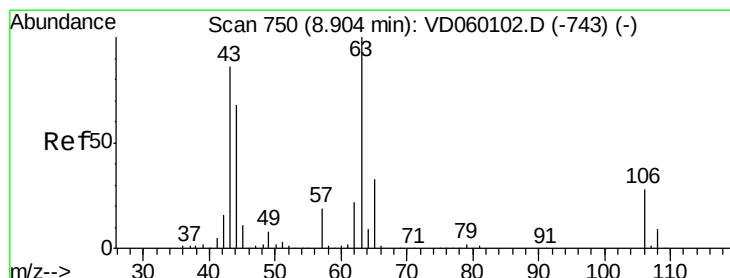
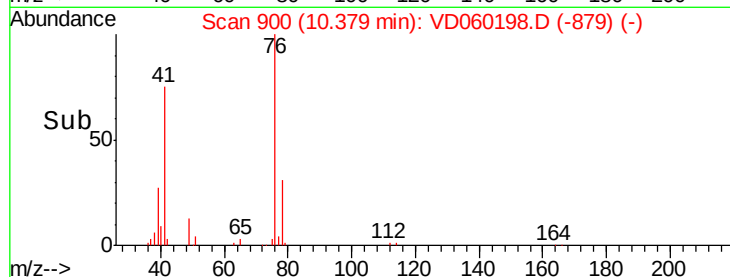


Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 122.408 ug/l

RT: 8.92 min Scan# 752

Delta R.T. 0.02 min

Lab File: VD060198.D

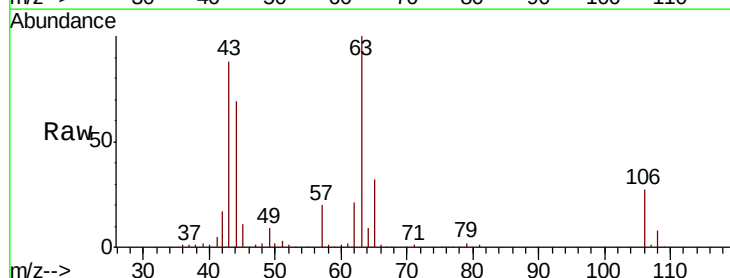
Acq: 25 Oct 2018 16:42

Tgt Ion: 63 Resp: 862824

Ion Ratio Lower Upper

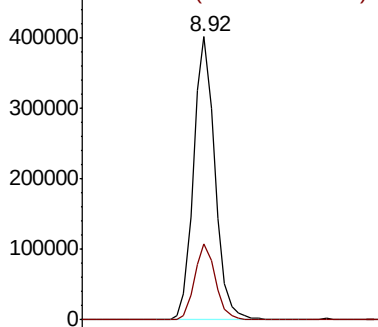
63 100

106 27.0 22.6 34.0

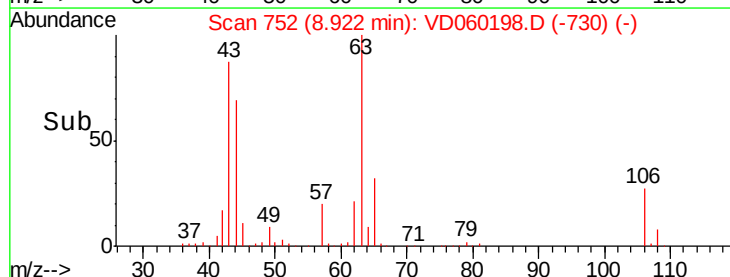


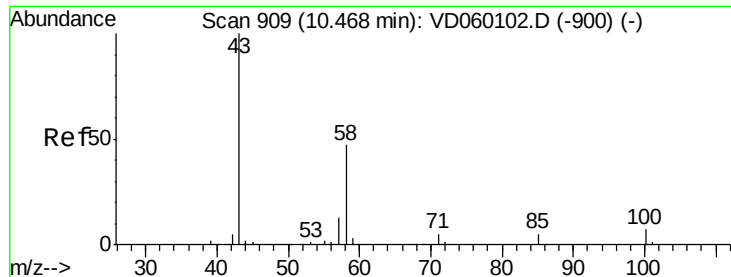
Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V



Time-->

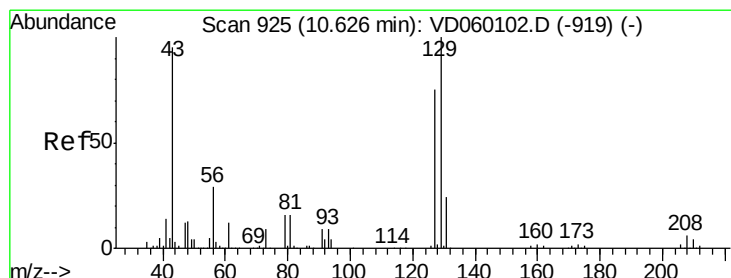
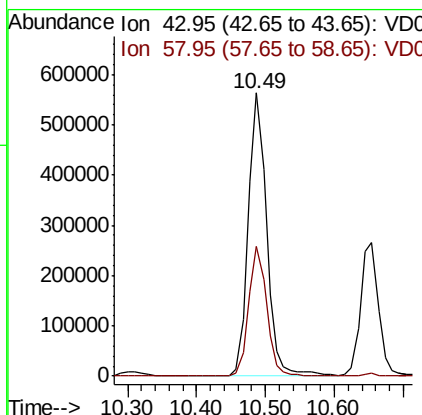
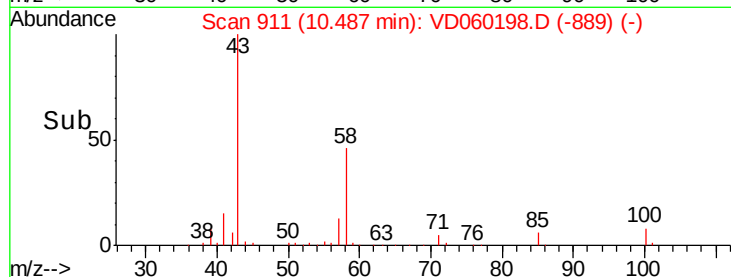
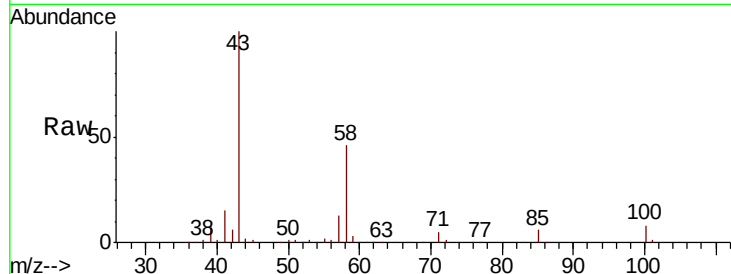




#59
2-Hexanone
Concen: 126.730 ug/l
RT: 10.49 min Scan# 911
Delta R.T. 0.02 min
Lab File: VD060198.D
Acq: 25 Oct 2018 16:42

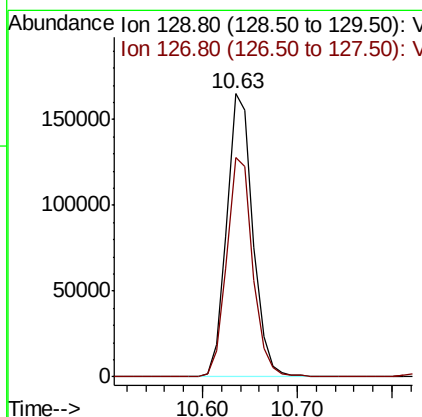
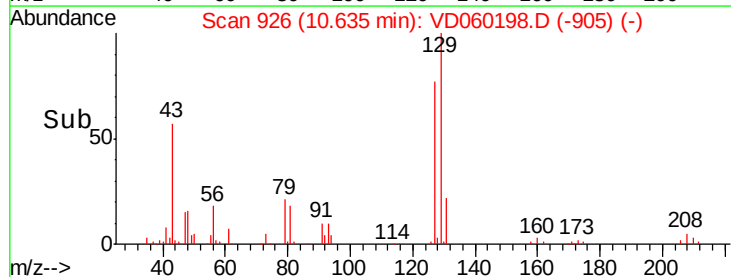
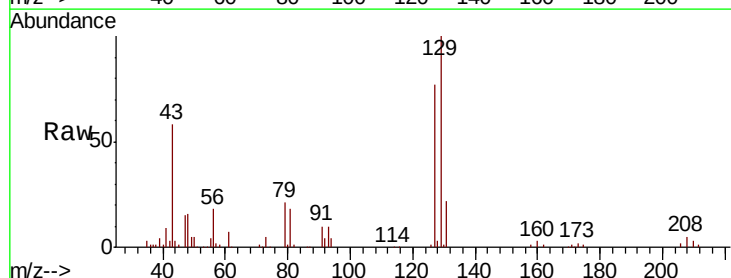
Instrument :
MSVOA_D
ClientSampleId :
VD1025SBSD01

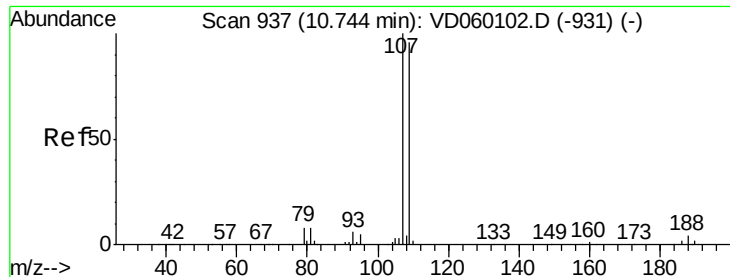
Tot Ion: 43 Resp: 1047851
Ion Ratio Lower Upper
43 100
58 45.9 23.3 69.9



#60
Dibromochloromethane
Concen: 22.319 ug/l
RT: 10.63 min Scan# 926
Delta R.T. 0.01 min
Lab File: VD060198.D
Acq: 25 Oct 2018 16:42

Tgt Ion: 129 Resp: 314893
Ion Ratio Lower Upper
129 100
127 77.5 37.4 112.2





#61

1,2-Dibromoethane

Concen: 21.751 ug/l

RT: 10.75 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

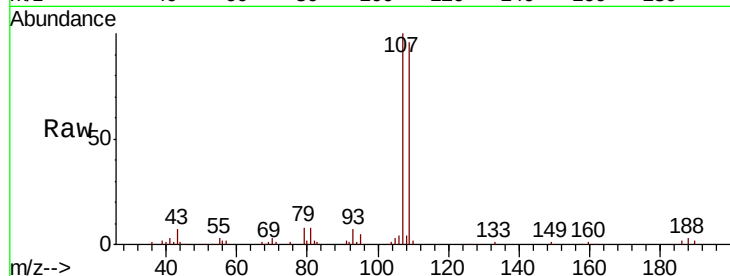
VD1025SBSD01

Tot Ion:107 Resp: 265754

Ion Ratio Lower Upper

107 100

109 96.2 77.1 115.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

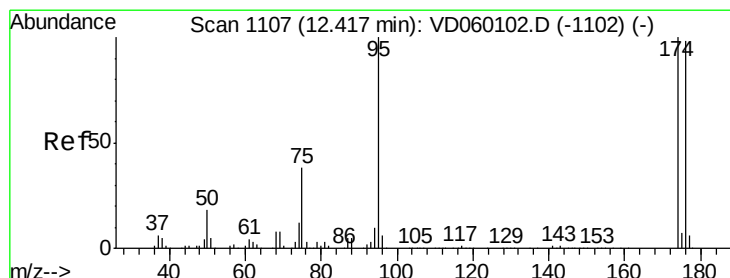
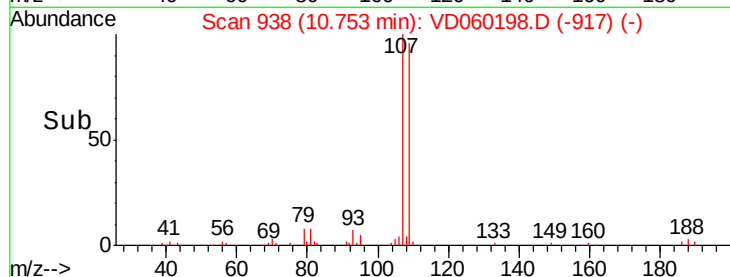
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 21.751 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

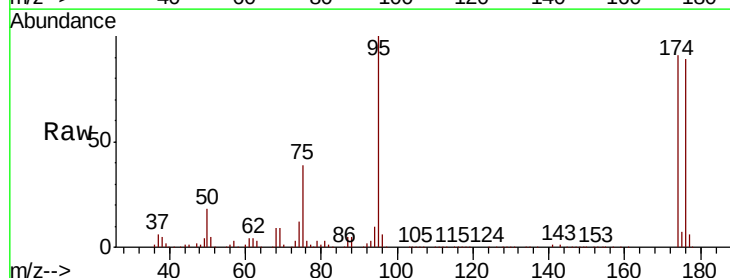
Tgt Ion: 95 Resp: 940909

Ion Ratio Lower Upper

95 100

174 90.9 0.0 200.2

176 89.3 0.0 195.6



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

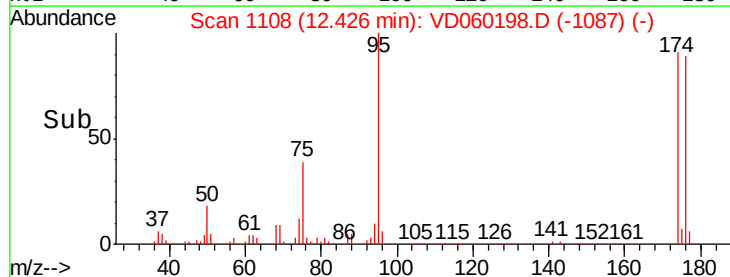
600000

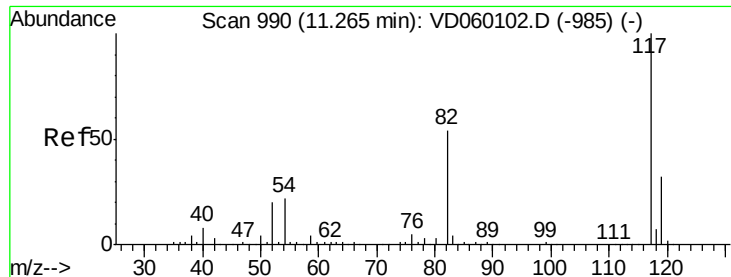
400000

200000

0

Time-->

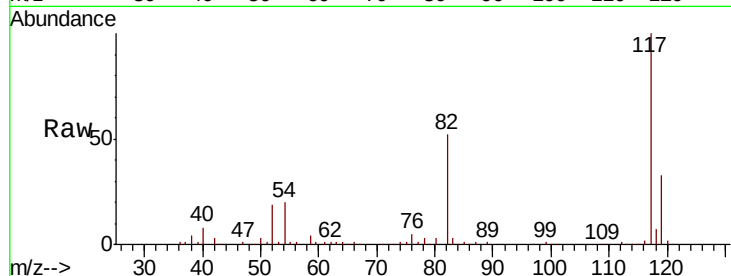




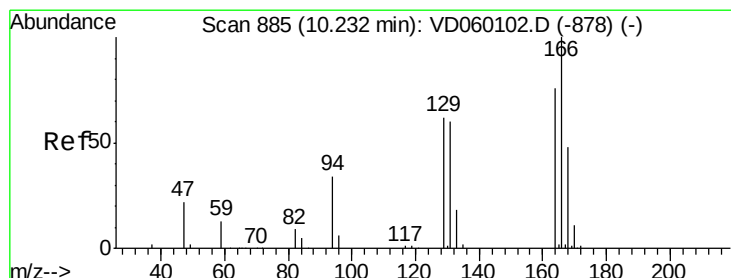
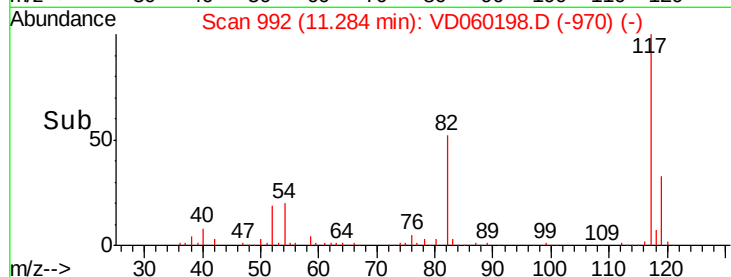
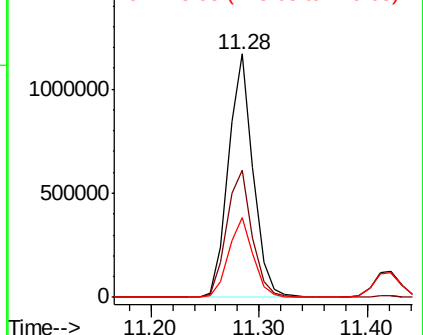
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060198.D
Acq: 25 Oct 2018 16:42

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBSD01

Tot Ion:117 Resp: 1848133
Ion Ratio Lower Upper
117 100
82 52.3 43.4 65.2
119 32.8 26.0 39.0

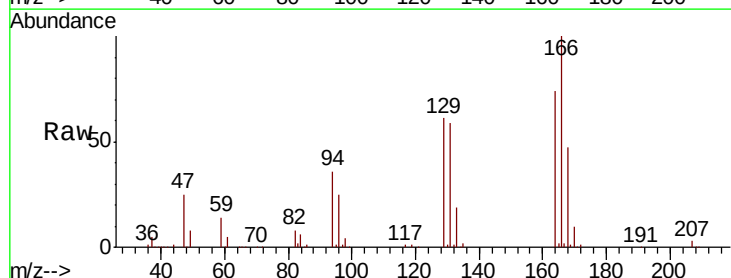


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

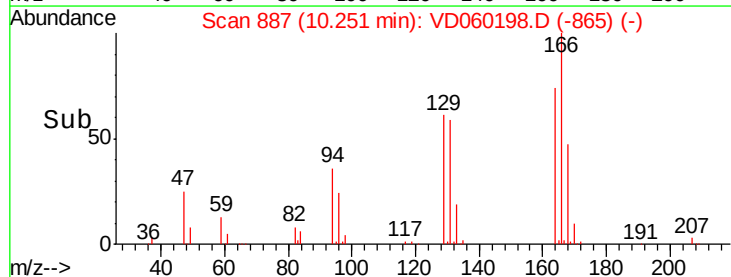
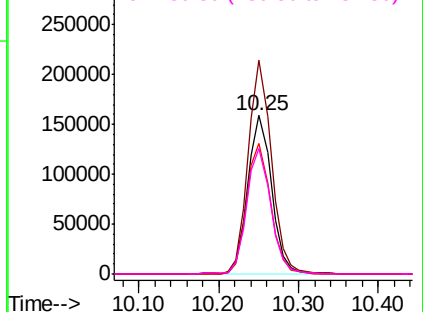


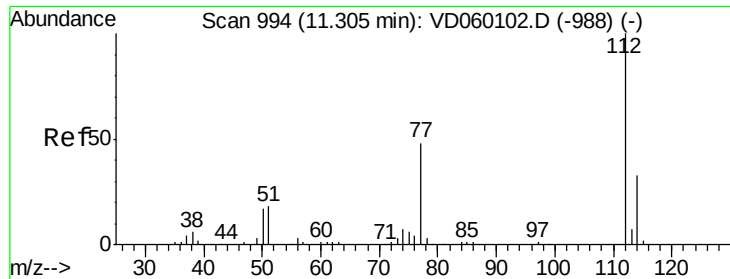
#64
Tetrachloroethene
Concen: 20.207 ug/l
RT: 10.25 min Scan# 887
Delta R.T. 0.02 min
Lab File: VD060198.D
Acq: 25 Oct 2018 16:42

Tgt Ion:164 Resp: 327088
Ion Ratio Lower Upper
164 100
166 134.7 105.4 158.0
129 82.6 65.7 98.5
131 79.5 62.9 94.3



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





#65

Chlorobenzene

Concen: 21.286 ug/l

RT: 11.31 min Scan# 995

Delta R.T. 0.01 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

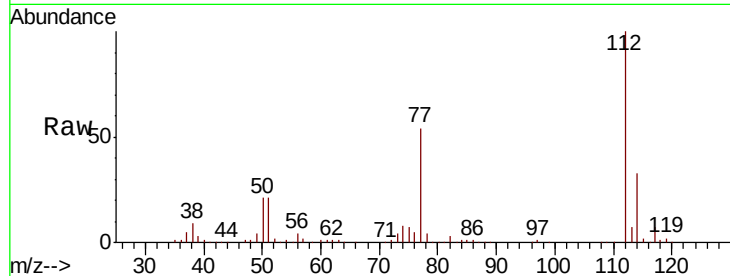
VD1025SBSD01

Tot Ion:112 Resp: 851043

Ion Ratio Lower Upper

112 100

114 32.9 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

11.31

600000

500000

400000

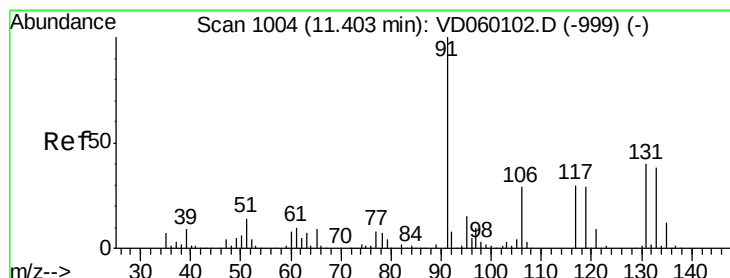
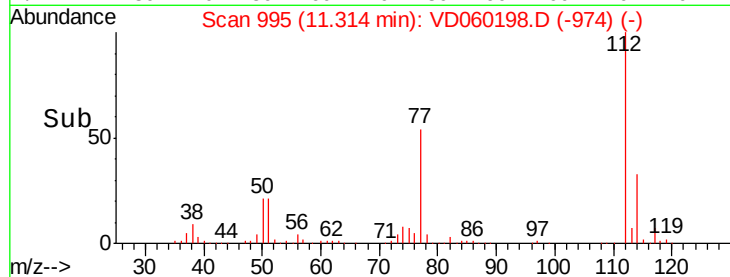
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 22.082 ug/l

RT: 11.42 min Scan# 1006

Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

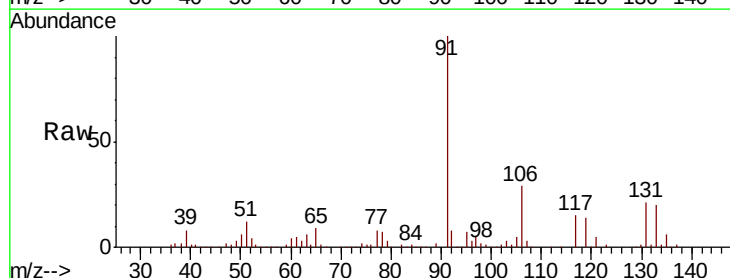
Tgt Ion:131 Resp: 294527

Ion Ratio Lower Upper

131 100

133 93.8 47.4 142.3

119 67.7 36.1 108.3



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

200000

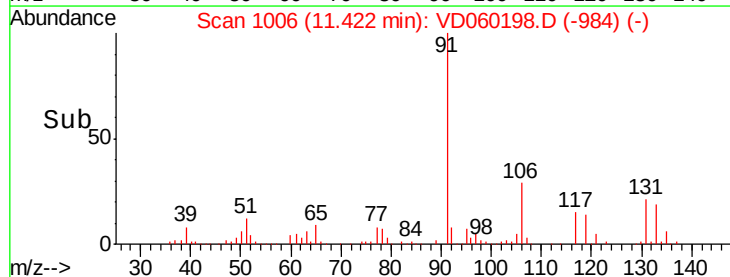
150000

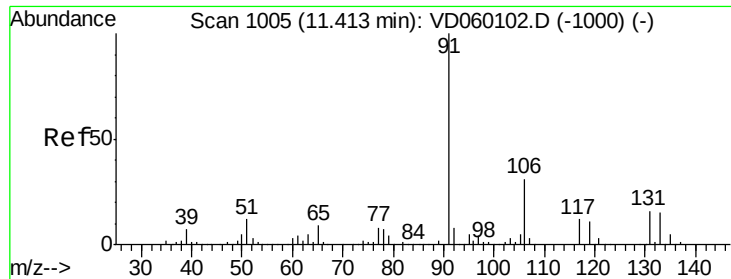
100000

50000

0

Time-->

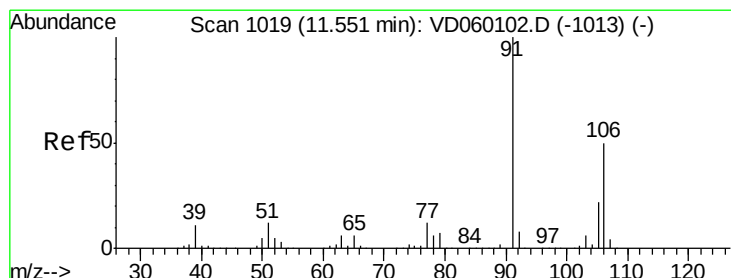
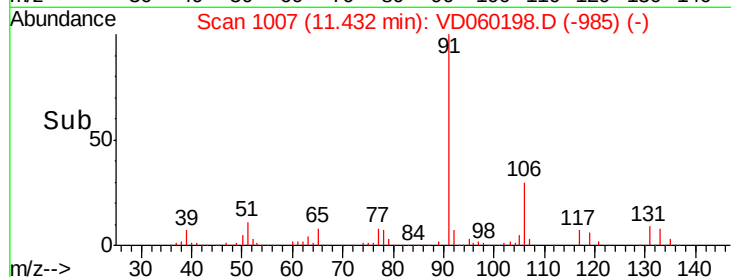
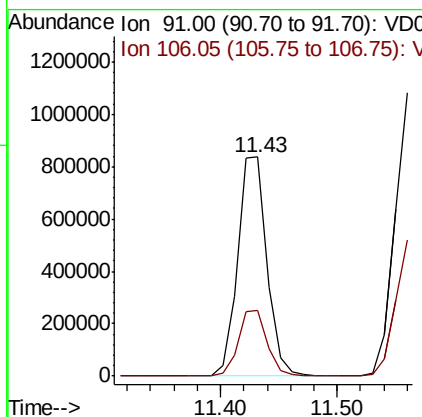
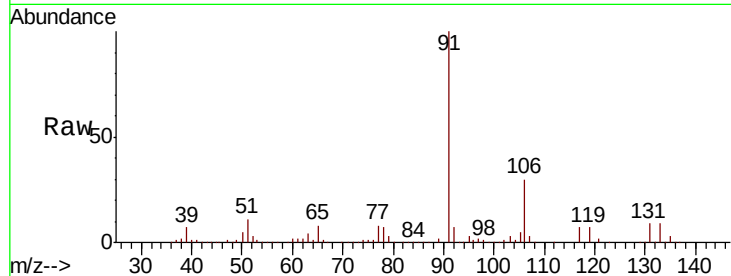




#67
Ethyl Benzene
Concen: 22.376 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VD060198.D
Acq: 25 Oct 2018 16:42

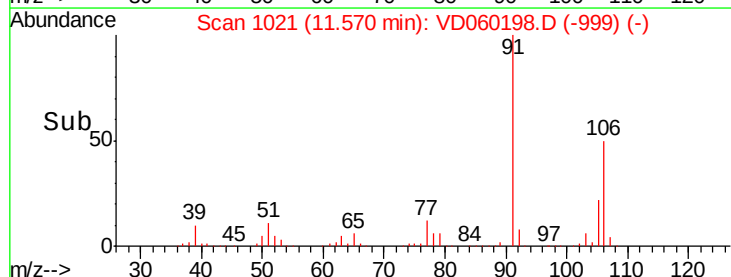
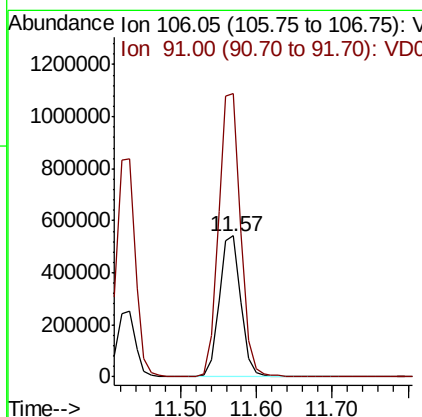
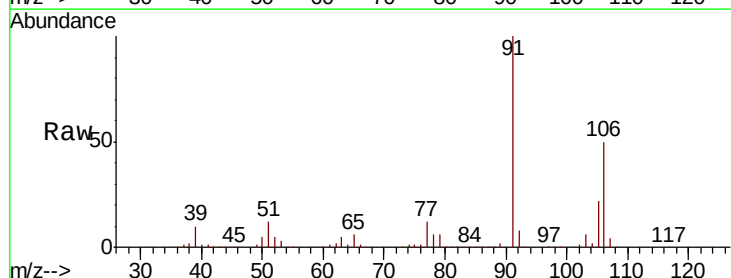
Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

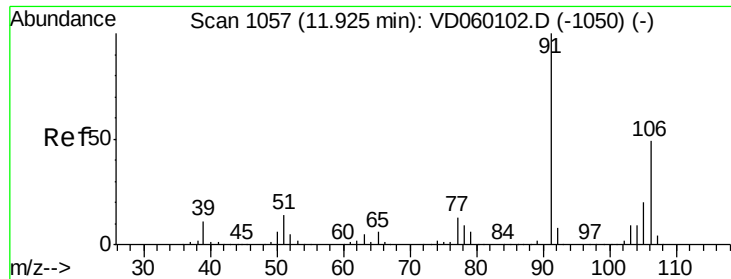
Tot Ion: 91 Resp: 1449462
Ion Ratio Lower Upper
91 100
106 30.0 24.4 36.6



#68
m/p-Xylenes
Concen: 44.289 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.02 min
Lab File: VD060198.D
Acq: 25 Oct 2018 16:42

Tgt Ion: 106 Resp: 1071957
Ion Ratio Lower Upper
106 100
91 201.1 160.0 240.0

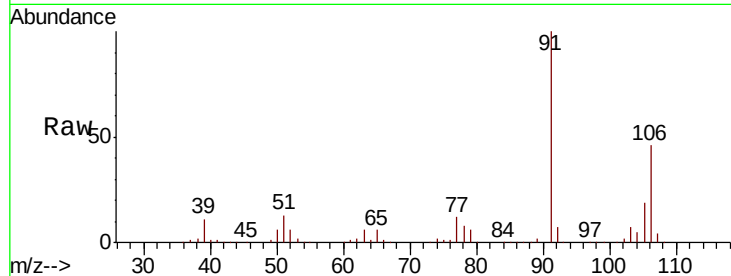




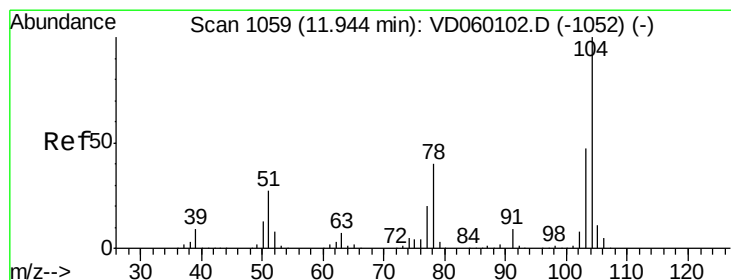
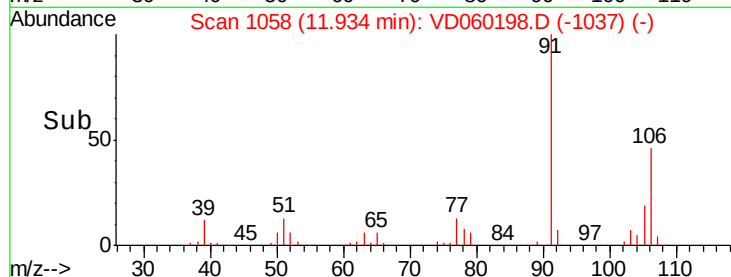
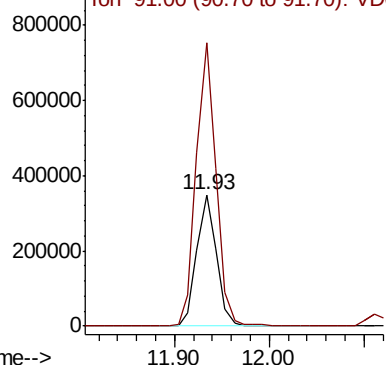
#69
o-Xylene
Concen: 21.129 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VD060198.D
Acq: 25 Oct 2018 16:42

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBSD01

Tot Ion:106 Resp: 505834
Ion Ratio Lower Upper
106 100
91 215.6 102.5 307.5

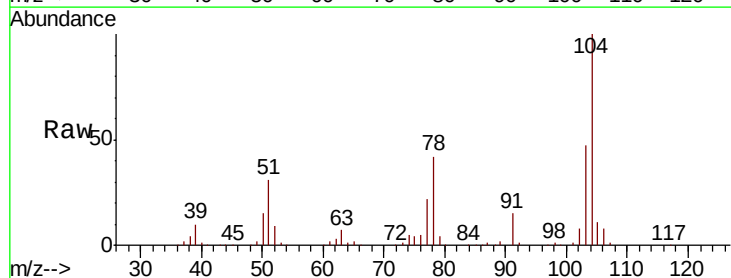


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

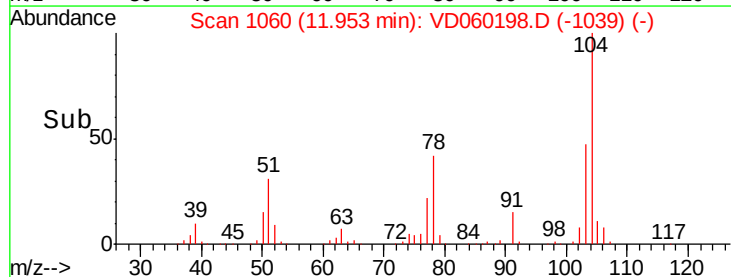
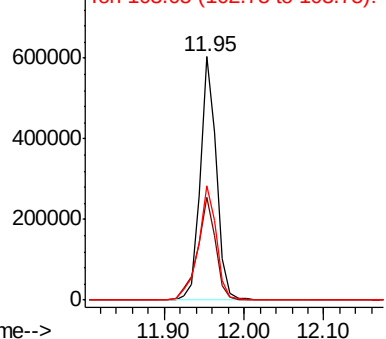


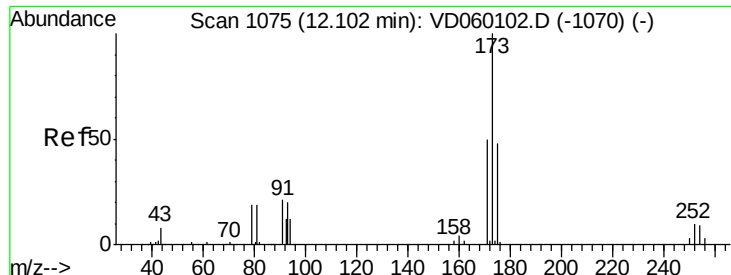
#70
Styrene
Concen: 21.626 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060198.D
Acq: 25 Oct 2018 16:42

Tgt Ion:104 Resp: 865824
Ion Ratio Lower Upper
104 100
78 42.0 32.2 48.4
103 46.8 37.4 56.0



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





#71

Bromoform

Concen: 20.371 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBSD01

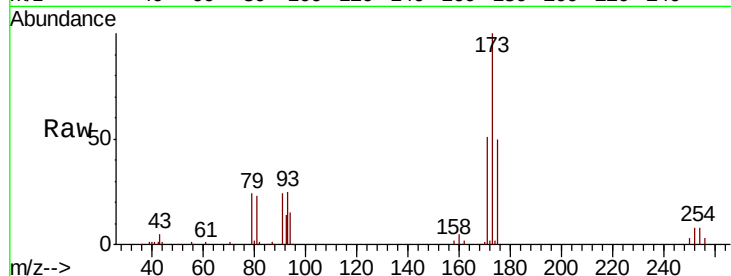
Tot Ion:173 Resp: 220013

Ion Ratio Lower Upper

173 100

175 49.9 24.1 72.4

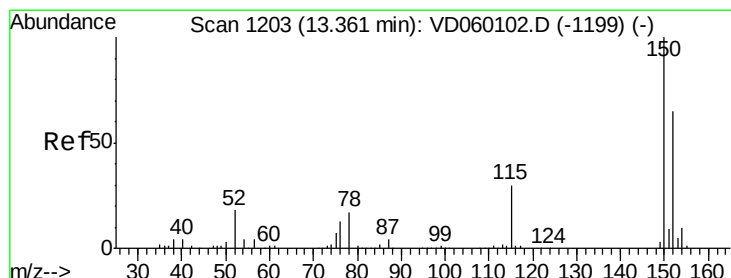
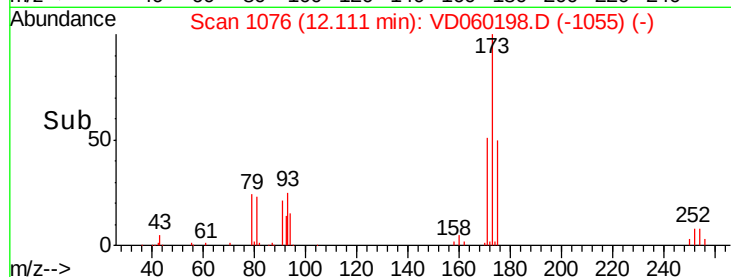
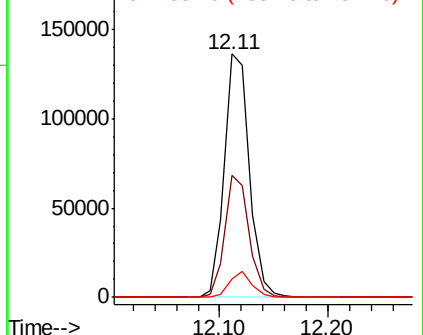
254 7.8 7.4 11.0



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: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

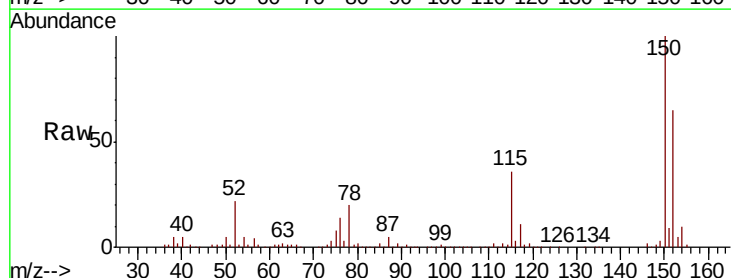
Tgt Ion:152 Resp: 976323

Ion Ratio Lower Upper

152 100

115 54.8 27.1 81.2

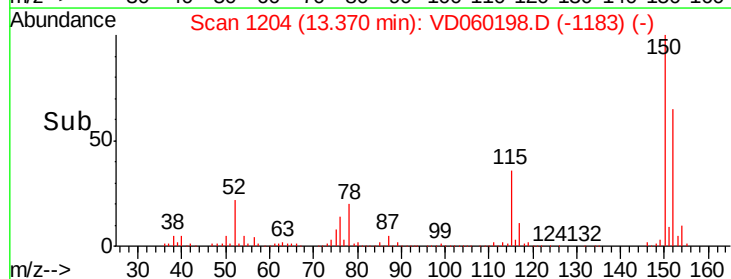
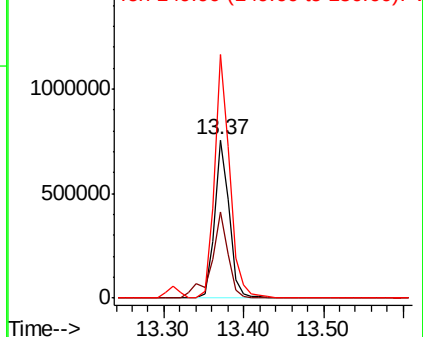
150 154.1 0.0 311.8

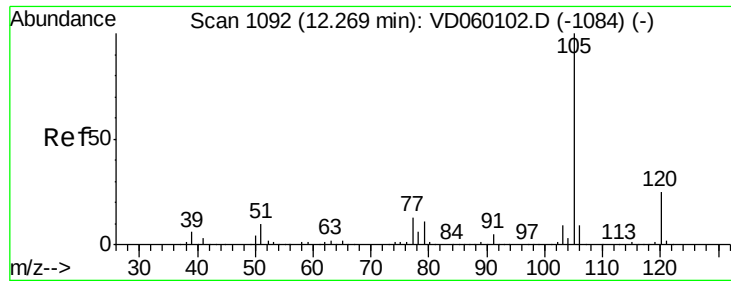


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.598 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

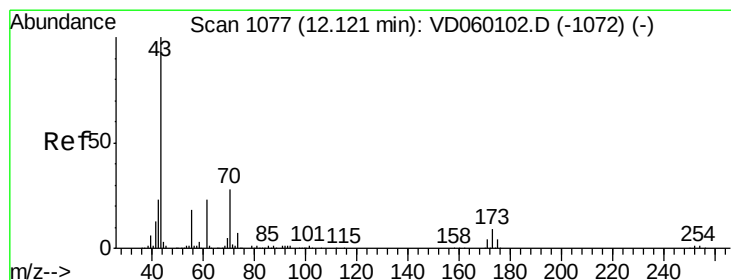
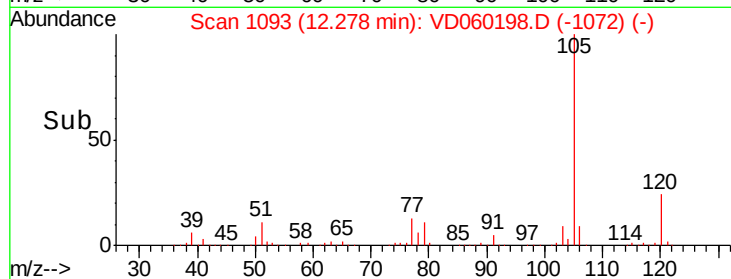
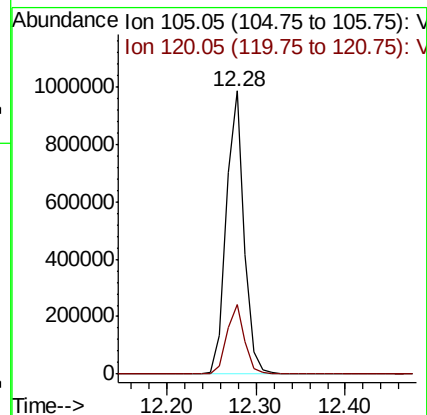
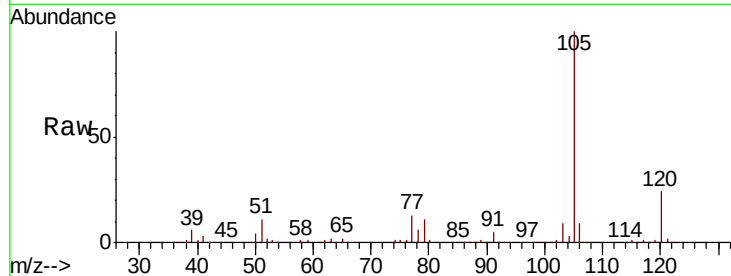
VD1025SBSD01

Tot Ion:105 Resp: 1391135

Ion Ratio Lower Upper

105 100

120 24.4 12.6 37.6



#74

N-ethyl acetate

Concen: 21.946 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Tgt Ion: 43 Resp: 517776

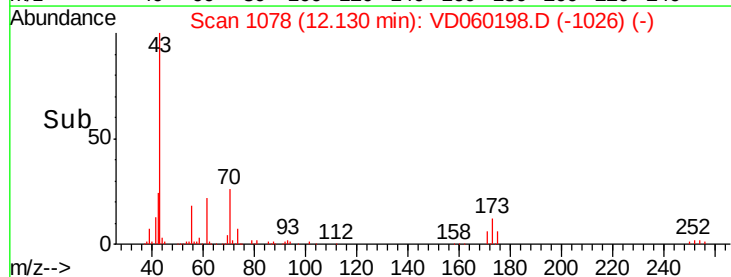
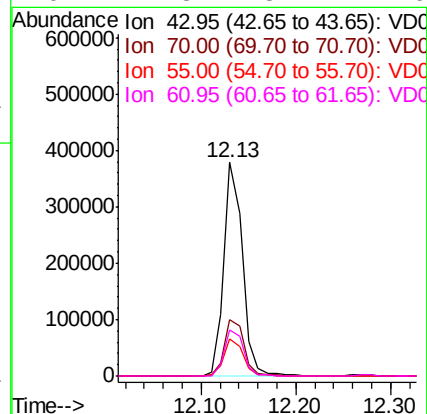
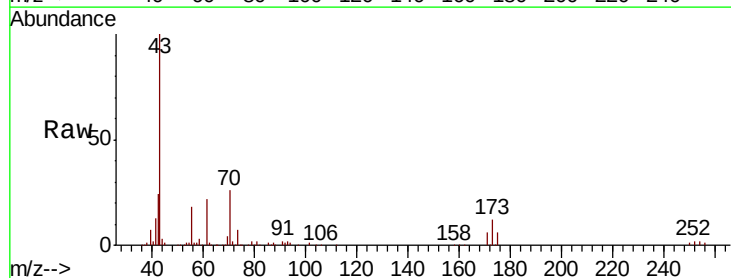
Ion Ratio Lower Upper

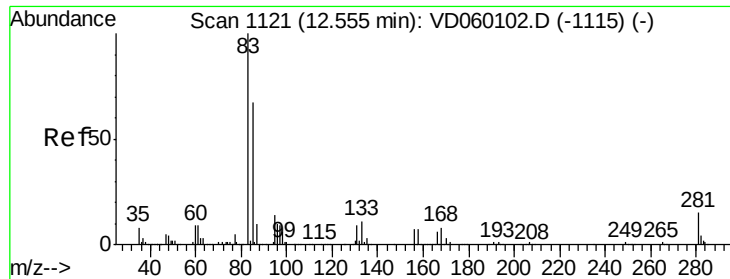
43 100

70 26.4 22.1 33.1

55 17.6 14.1 21.1

61 21.8 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.017 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

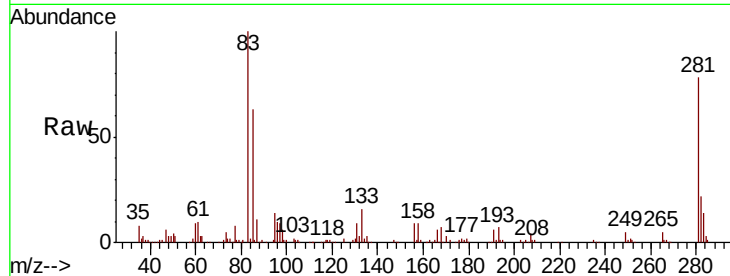
Tot Ion: 83 Resp: 309596

Ion Ratio Lower Upper

83 100

131 8.9 4.5 13.4

85 62.8 33.3 99.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

12.56

250000

200000

150000

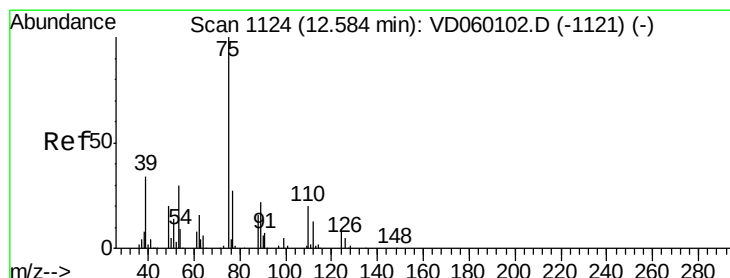
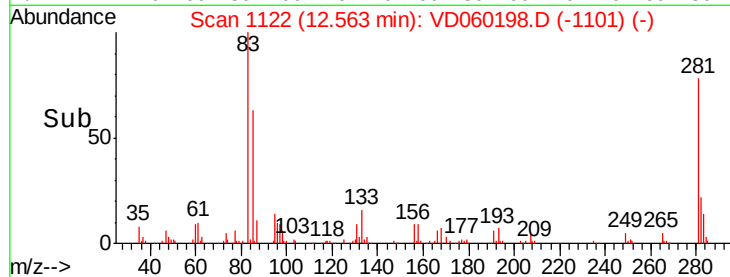
100000

50000

0

12.50 12.60 12.70

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.537 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060198.D

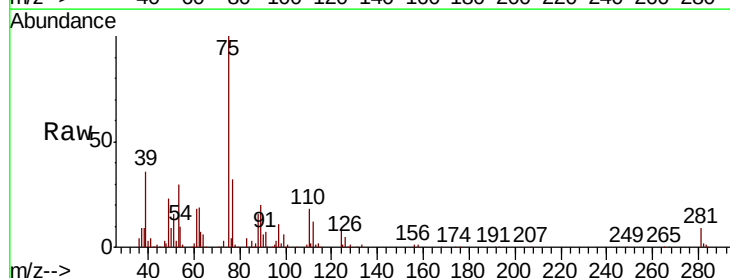
Acq: 25 Oct 2018 16:42

Tgt Ion: 75 Resp: 302822

Ion Ratio Lower Upper

75 100

77 32.1 16.3 48.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

400000

300000

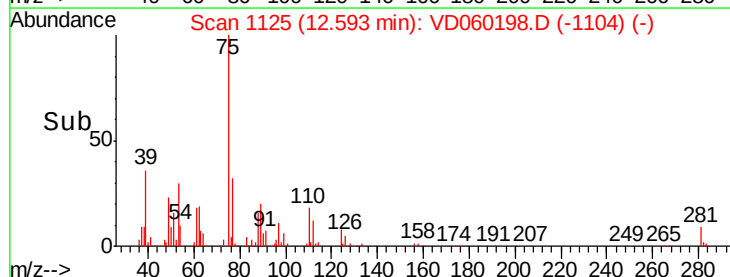
200000

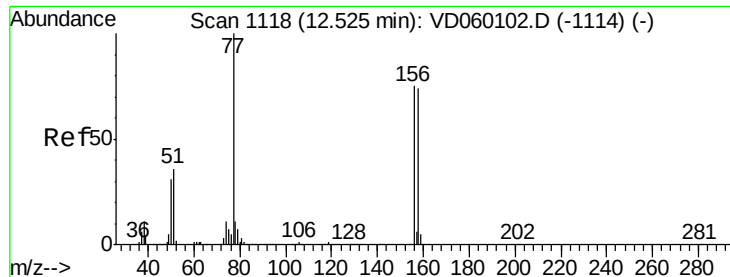
100000

0

12.55 12.60 12.65 12.70

Time-->





#77

Bromobenzene

Concen: 21.078 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

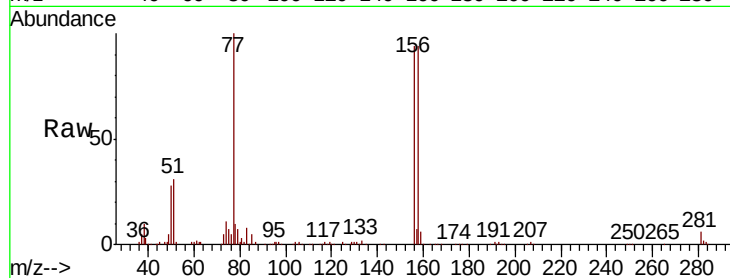
Tot Ion:156 Resp: 394516

Ion Ratio Lower Upper

156 100

77 106.9 66.9 200.7

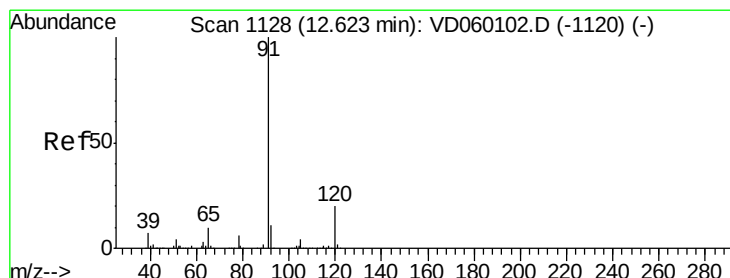
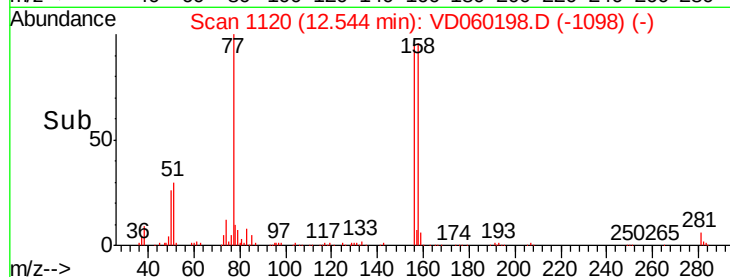
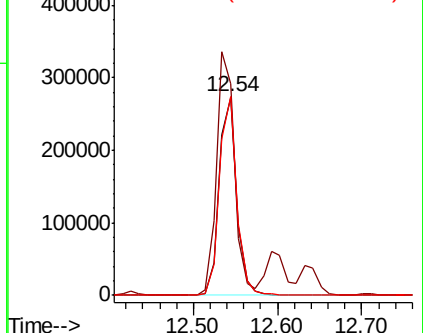
158 100.5 49.1 147.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.736 ug/l

RT: 12.64 min Scan# 1130

Delta R.T. 0.02 min

Lab File: VD060198.D

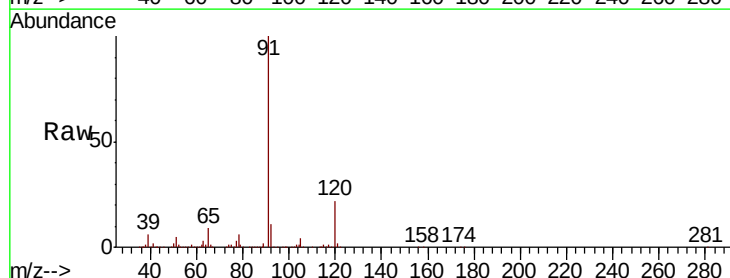
Acq: 25 Oct 2018 16:42

Tgt Ion: 91 Resp: 1738426

Ion Ratio Lower Upper

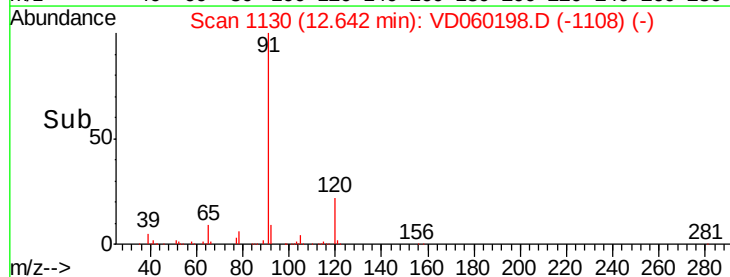
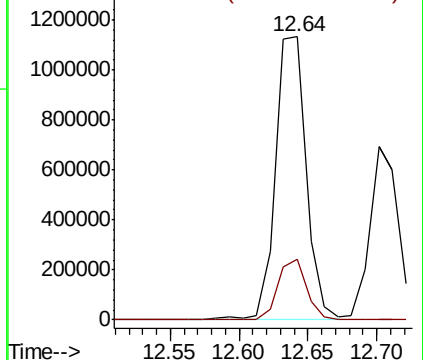
91 100

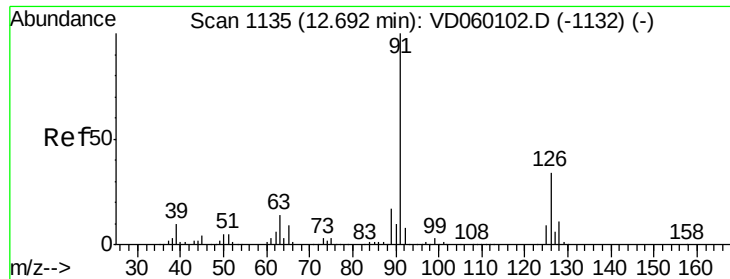
120 21.6 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

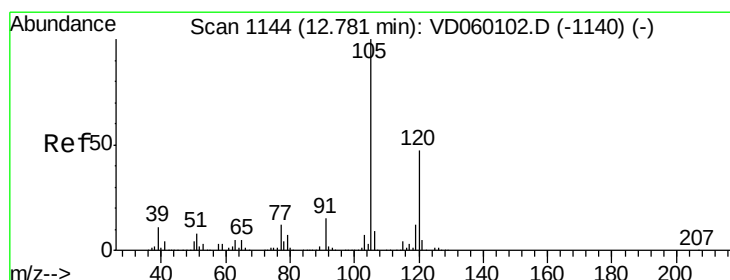
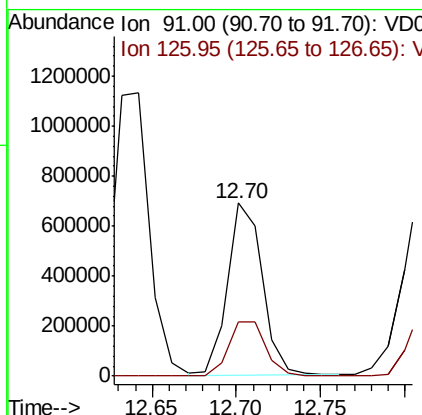
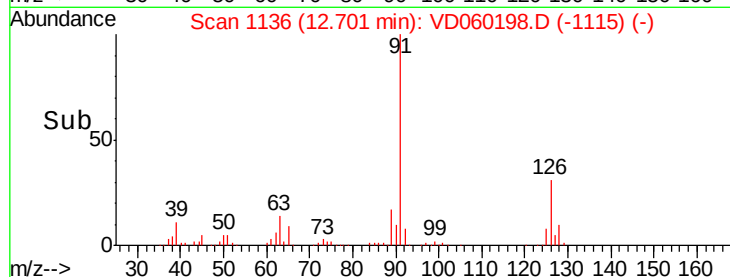
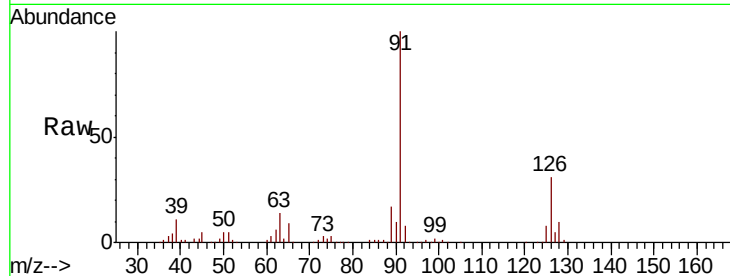




#79
 2-Chlorotoluene
 Concen: 22.163 ug/l
 RT: 12.70 min Scan# 1136
 Delta R.T. 0.01 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

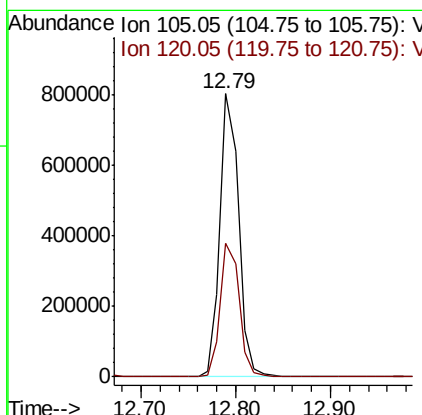
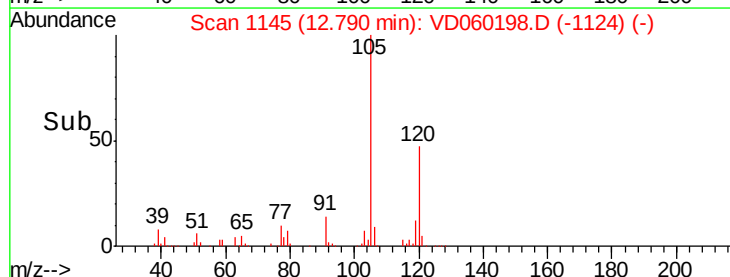
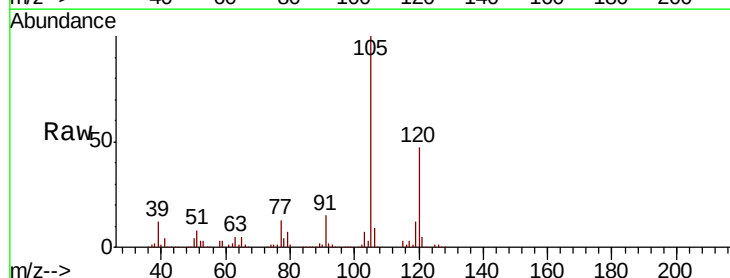
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

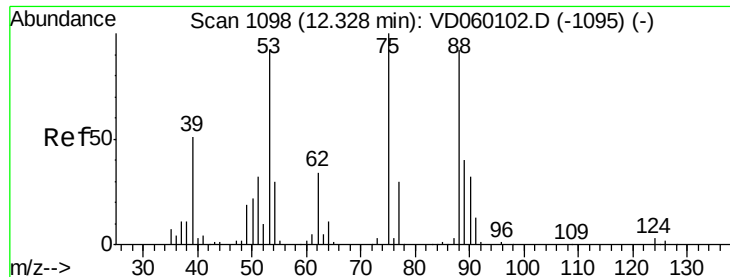
Tot Ion: 91 Resp: 983790
 Ion Ratio Lower Upper
 91 100
 126 31.3 16.8 50.3



#80
 1,3,5-Trimethylbenzene
 Concen: 22.052 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

Tgt Ion:105 Resp: 1099303
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 20.798 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBSD01

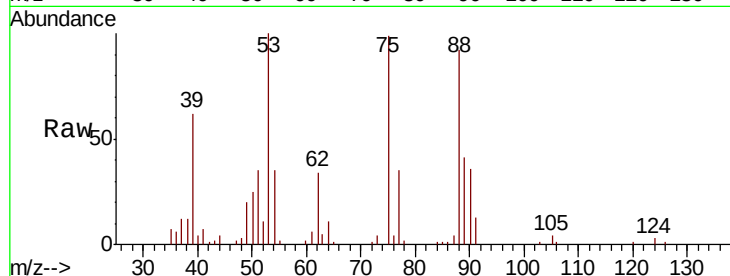
Tot Ion: 75 Resp: 82167

Ion Ratio Lower Upper

75 100

53 101.2 73.0 109.6

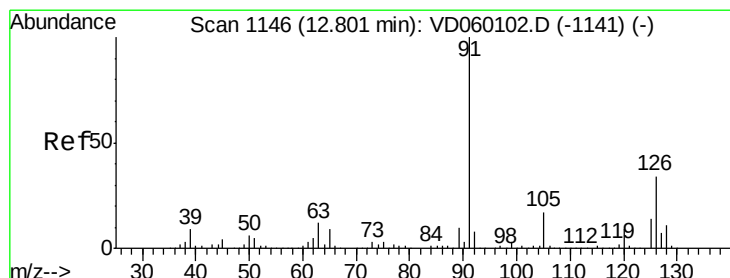
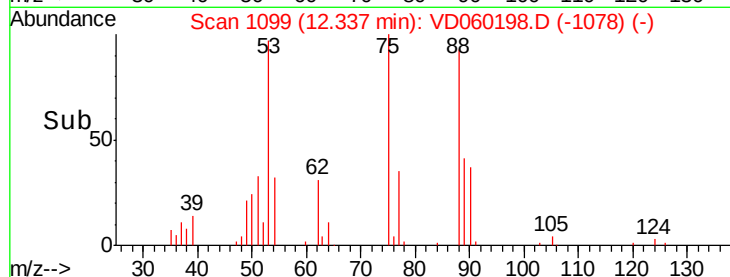
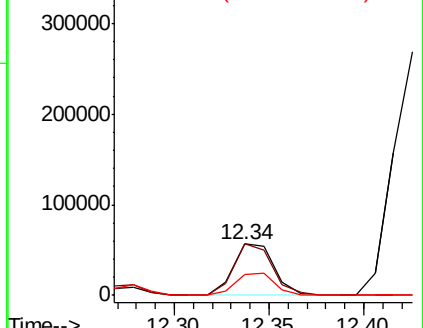
89 41.0 32.0 48.0



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: 22.244 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060198.D

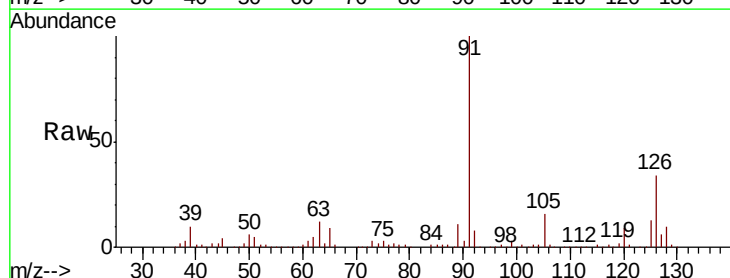
Acq: 25 Oct 2018 16:42

Tgt Ion: 91 Resp: 1116764

Ion Ratio Lower Upper

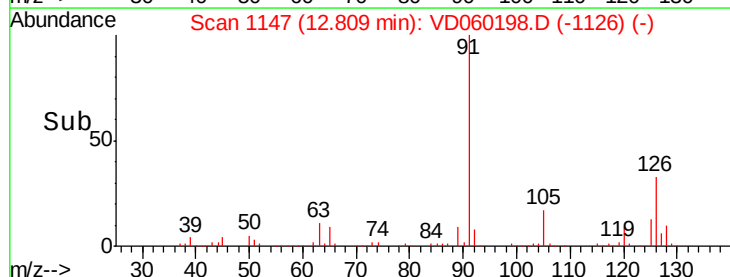
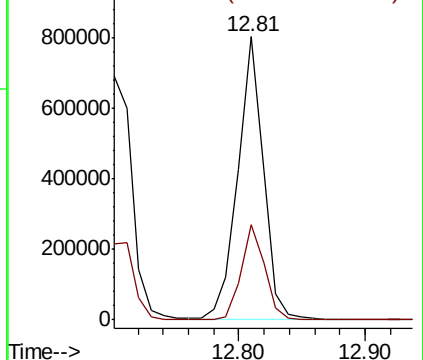
91 100

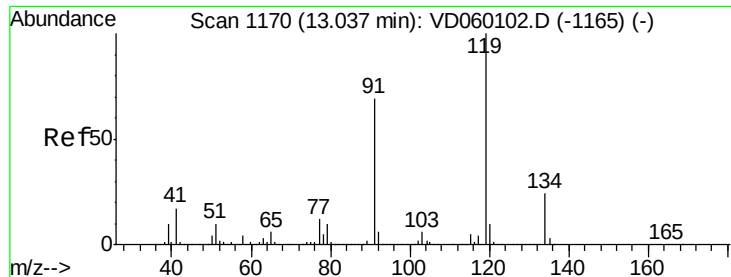
126 33.7 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

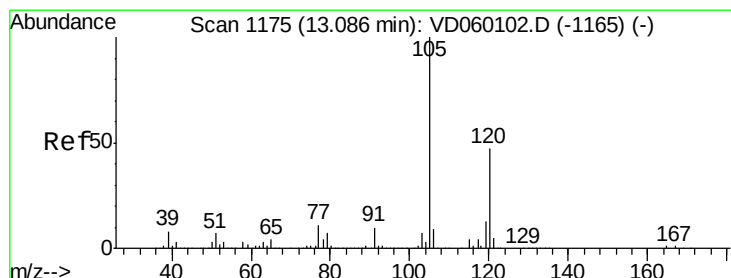
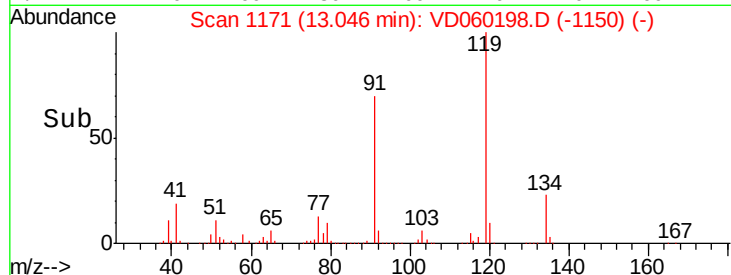
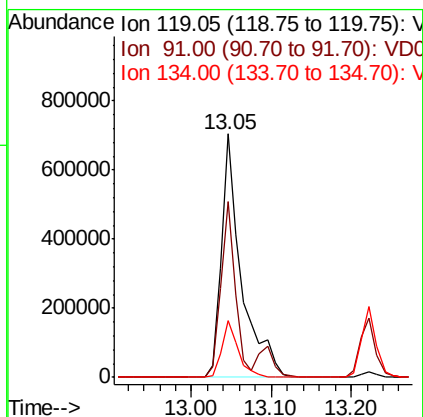
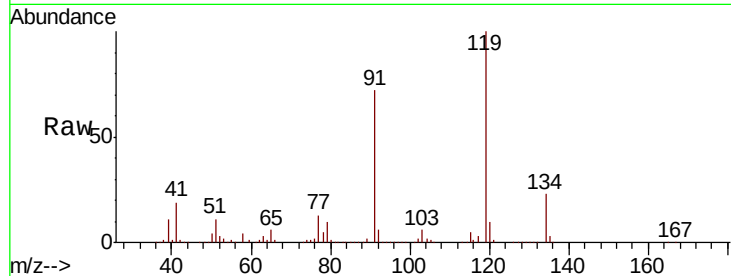




#83
 tert-Butylbenzene
 Concen: 21.827 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

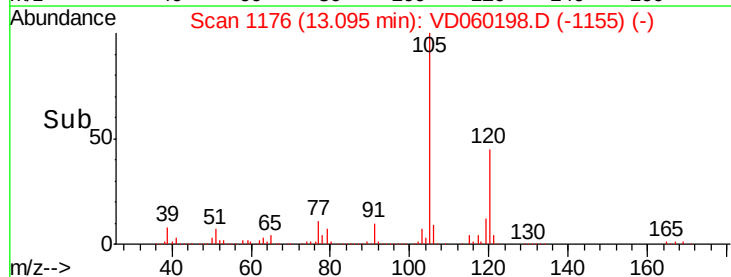
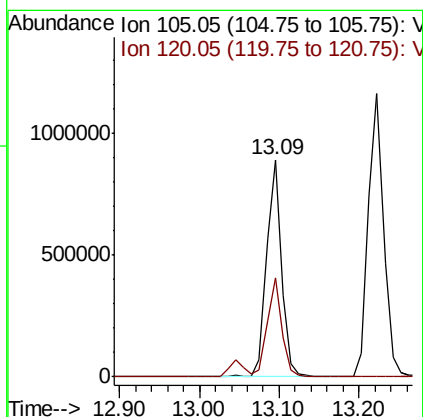
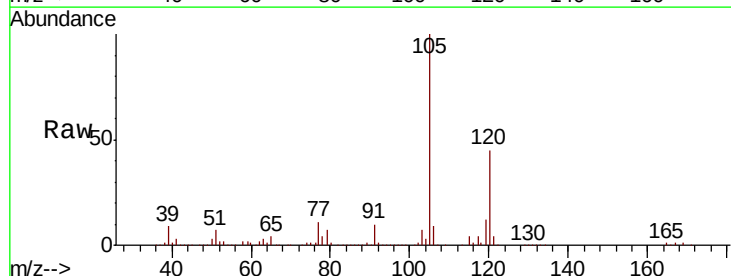
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

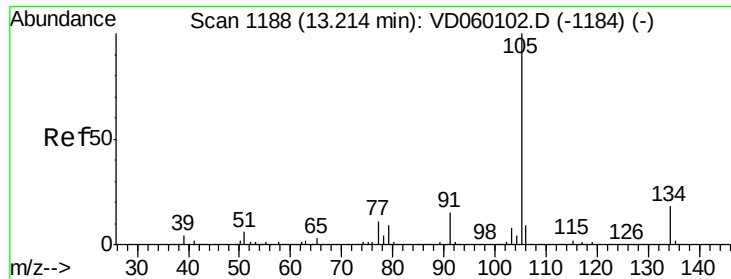
Tot Ion:119 Resp: 1248615
 Ion Ratio Lower Upper
 119 100
 91 72.1 34.8 104.4
 134 23.4 11.8 35.4



#84
 1,2,4-Trimethylbenzene
 Concen: 22.011 ug/l
 RT: 13.09 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

Tgt Ion:105 Resp: 1156436
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.4 70.0

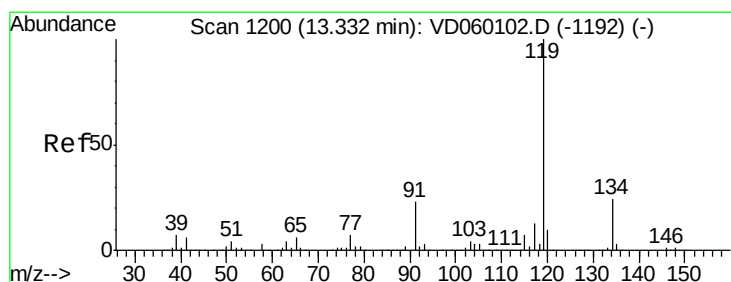
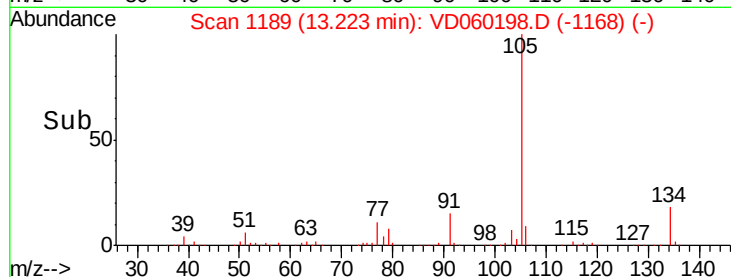
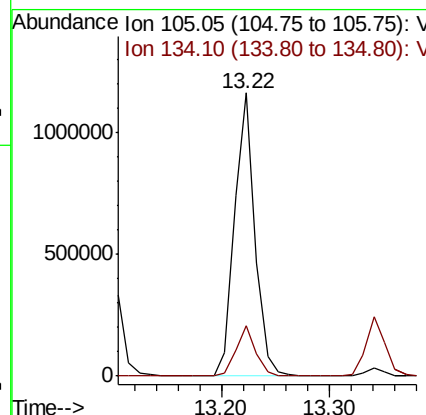
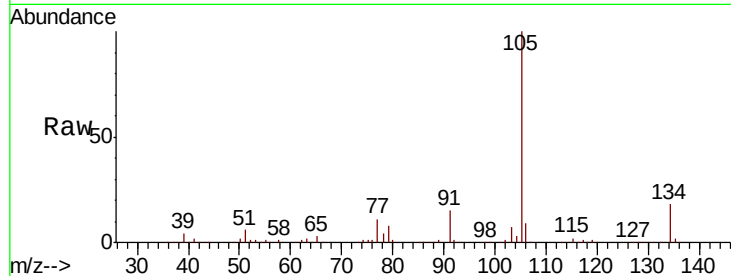




#85
 sec-Butylbenzene
 Concen: 22.442 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

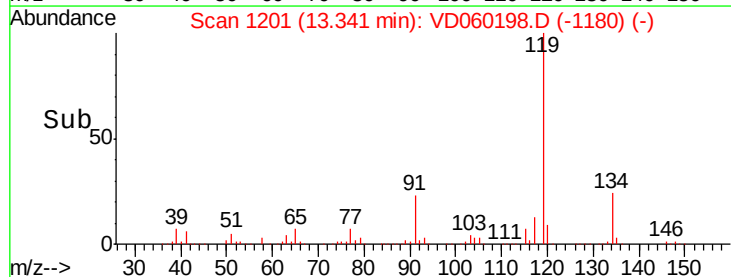
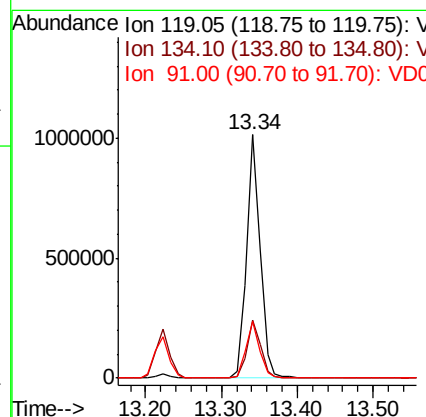
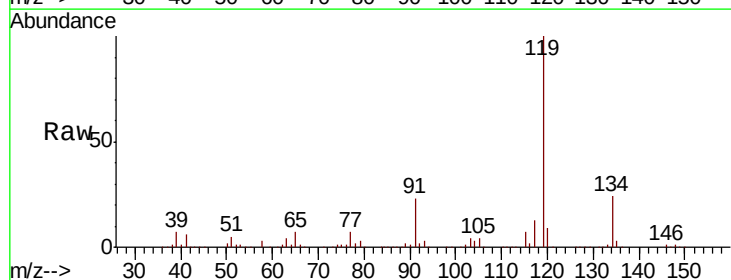
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBSD01

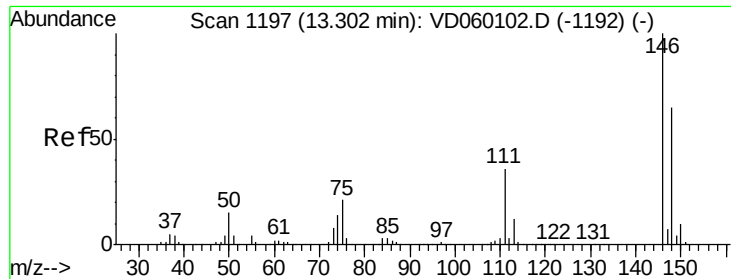
Tot Ion:105 Resp: 1517955
 Ion Ratio Lower Upper
 105 100
 134 17.6 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 22.272 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

Tgt Ion:119 Resp: 1235574
 Ion Ratio Lower Upper
 119 100
 134 23.8 12.3 36.8
 91 23.4 11.8 35.4

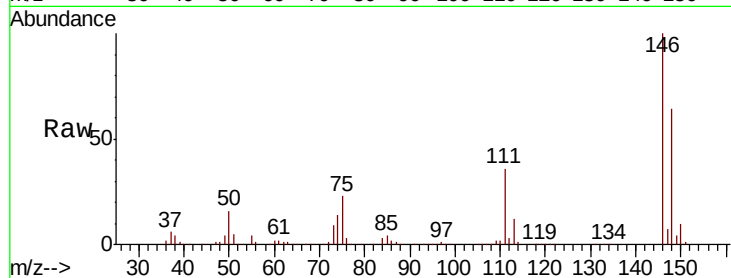




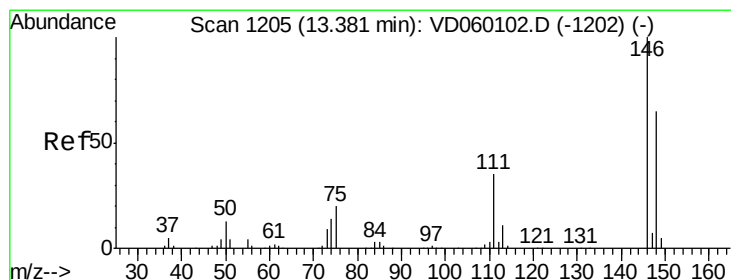
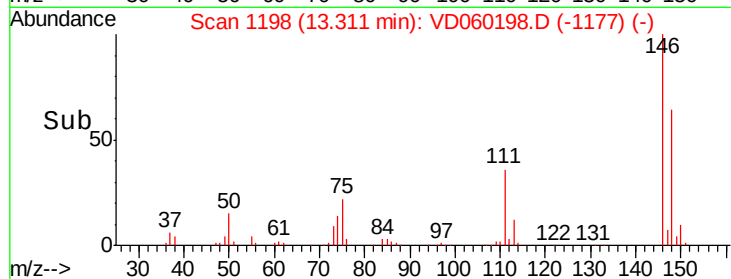
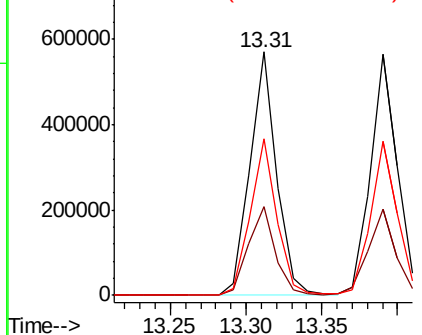
#87
 1,3-Dichlorobenzene
 Concen: 21.425 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBSD01

Tot Ion:146 Resp: 698667
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.1 54.3
 148 64.3 32.3 96.9

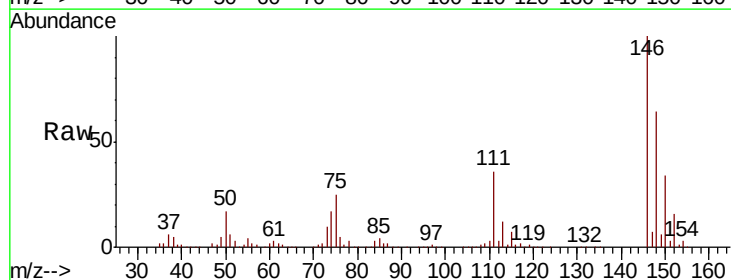


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

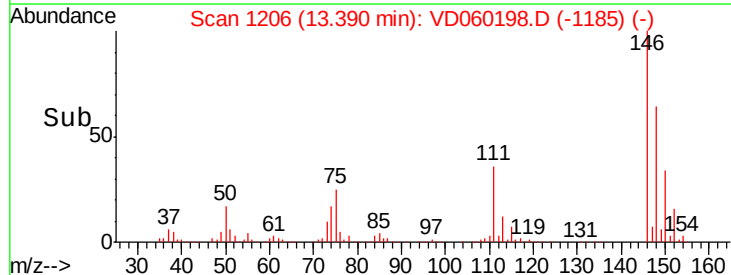
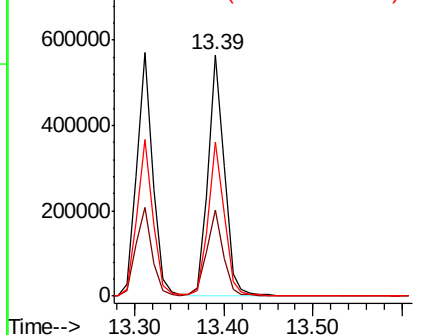


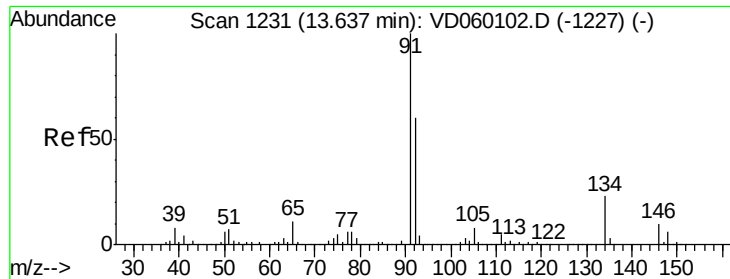
#88
 1,4-Dichlorobenzene
 Concen: 21.694 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

Tgt Ion:146 Resp: 710589
 Ion Ratio Lower Upper
 146 100
 111 35.8 17.8 53.3
 148 64.0 32.4 97.2



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

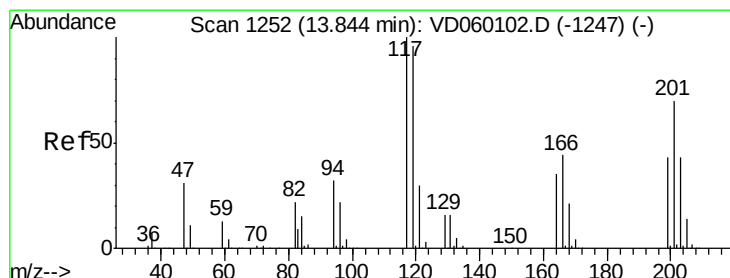
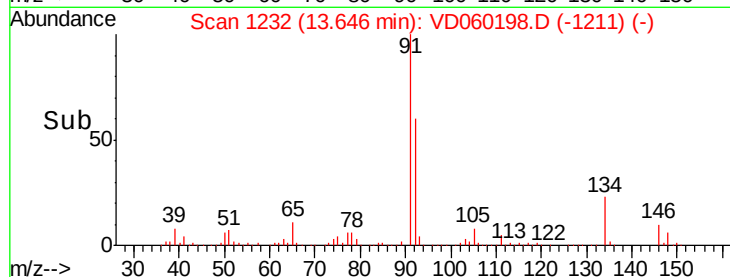
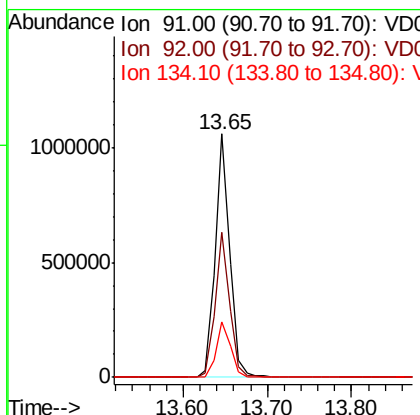
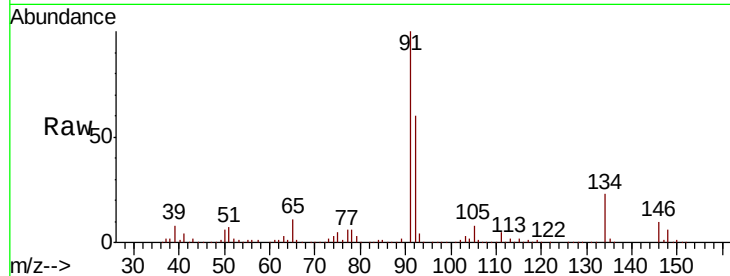




#89
n-Butylbenzene
Concen: 23.296 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060198.D
Acq: 25 Oct 2018 16:42

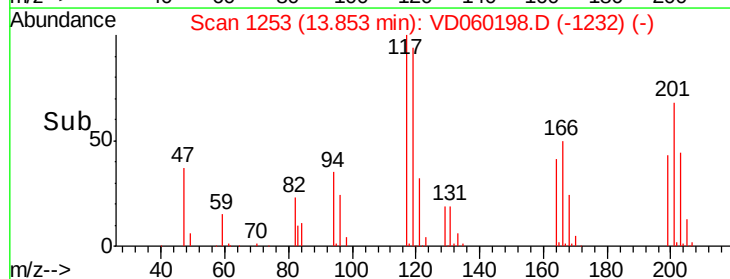
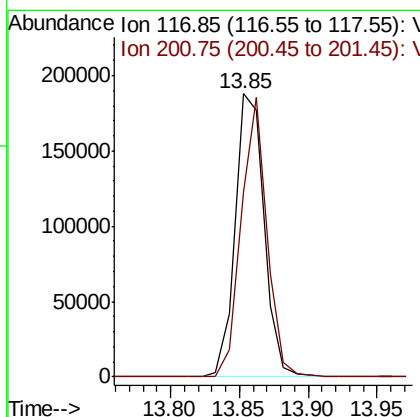
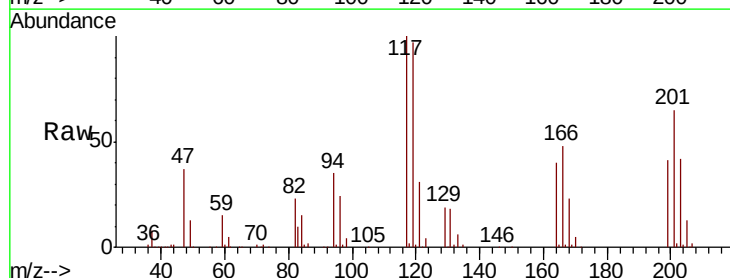
Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

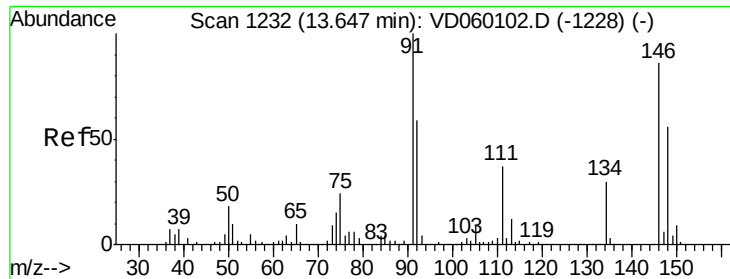
Tot Ion: 91 Resp: 1261078
Ion Ratio Lower Upper
91 100
92 59.6 30.1 90.3
134 22.9 11.6 34.7



#90
Hexachloroethane
Concen: 21.491 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060198.D
Acq: 25 Oct 2018 16:42

Tgt Ion: 117 Resp: 275936
Ion Ratio Lower Upper
117 100
201 65.2 34.8 104.5

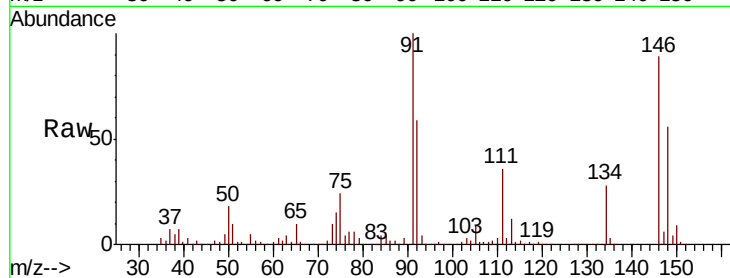




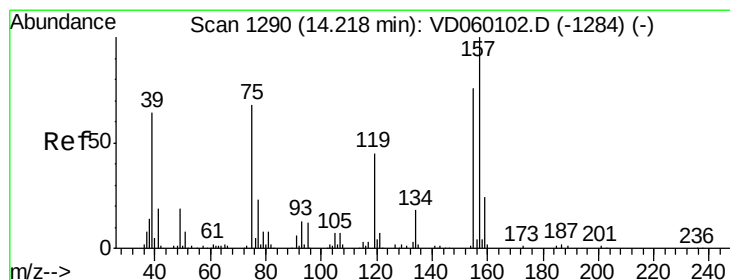
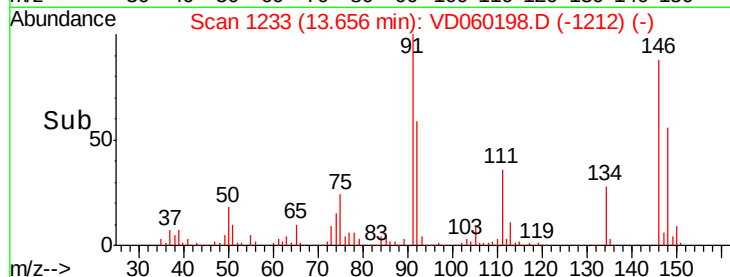
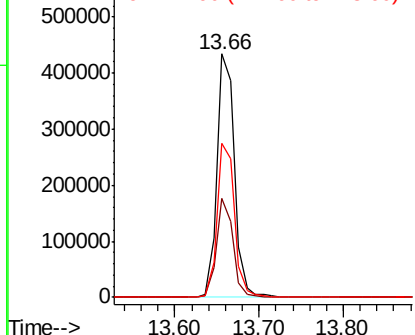
#91
 1,2-Dichlorobenzene
 Concen: 22.700 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBSD01

Tot Ion:146 Resp: 622429
 Ion Ratio Lower Upper
 146 100
 111 40.8 21.4 64.3
 148 63.3 32.2 96.6

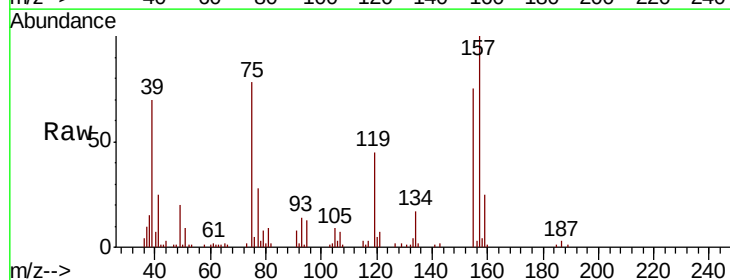


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

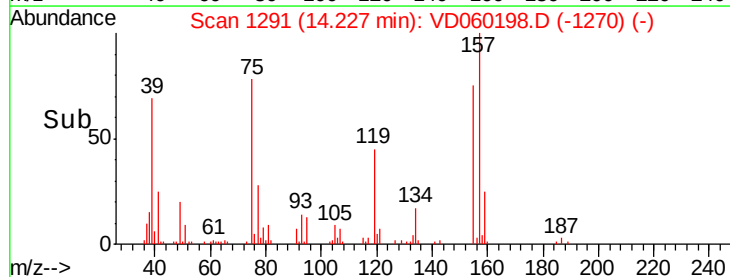
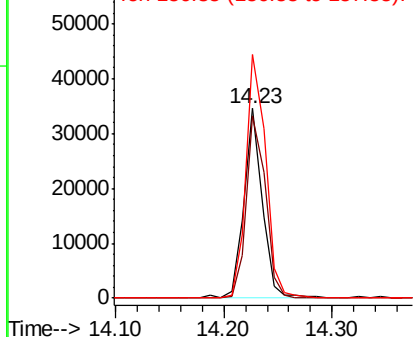


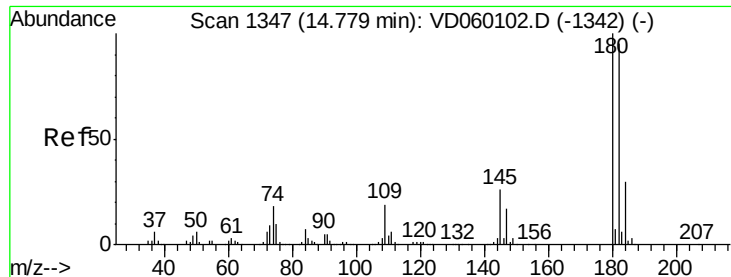
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.747 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

Tgt Ion: 75 Resp: 40830
 Ion Ratio Lower Upper
 75 100
 155 96.3 55.9 167.7
 157 128.5 73.3 219.8



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

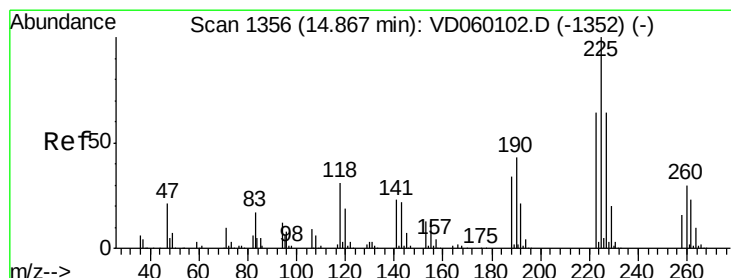
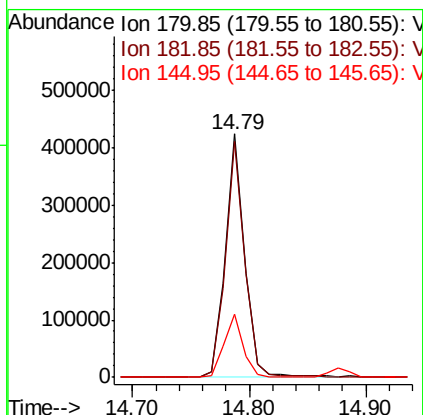
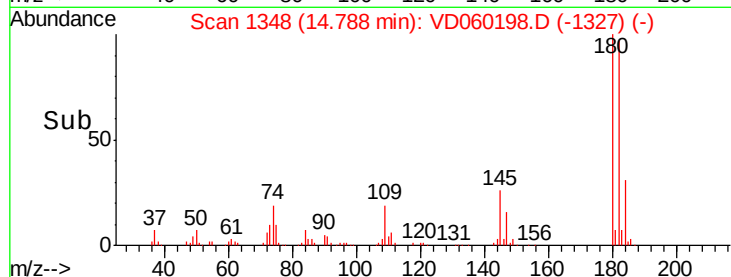
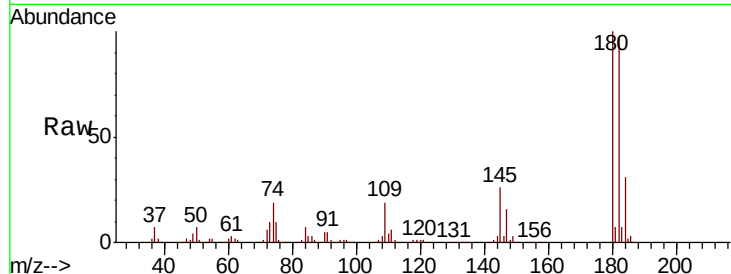




#93
 1,2,4-Trichlorobenzene
 Concen: 20.918 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

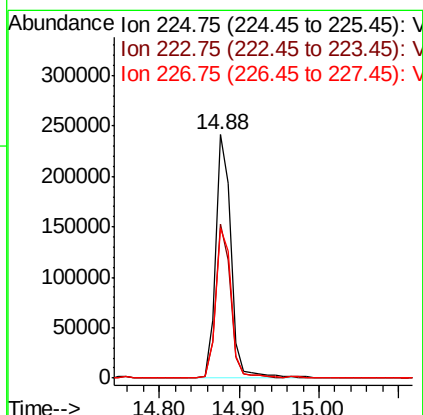
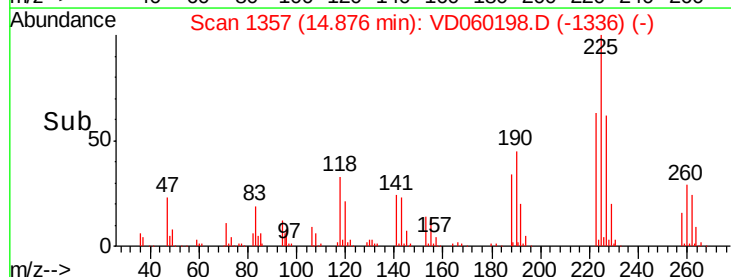
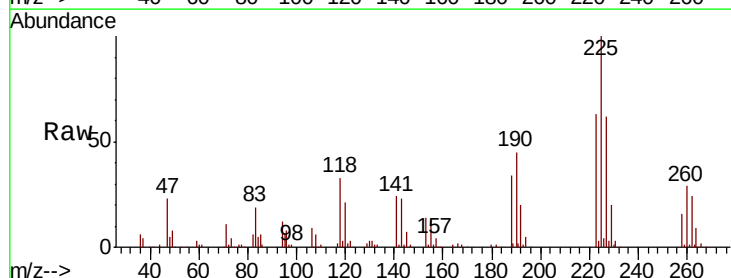
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBSD01

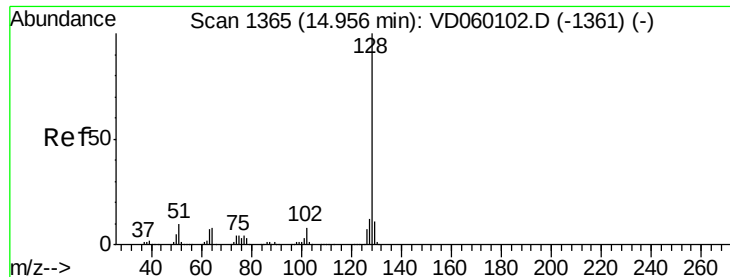
Tot Ion:180 Resp: 486834
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.3 141.8
 145 25.8 13.0 38.9



#94
 Hexachlorobutadiene
 Concen: 21.312 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060198.D
 Acq: 25 Oct 2018 16:42

Tgt Ion:225 Resp: 329696
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.8 95.4
 227 61.6 32.0 96.0

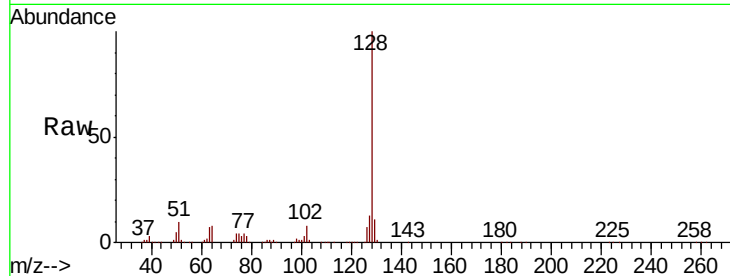




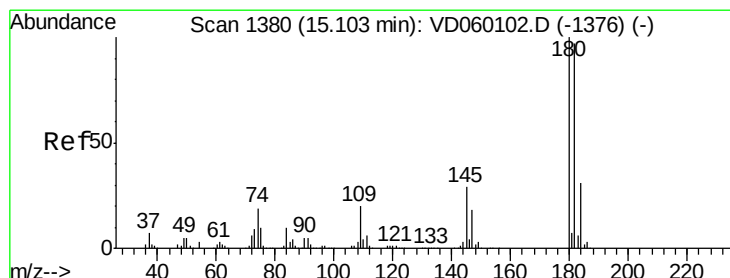
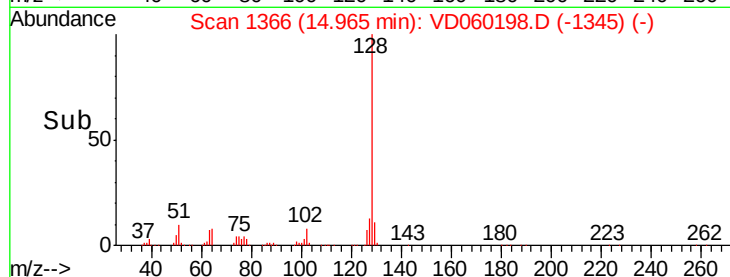
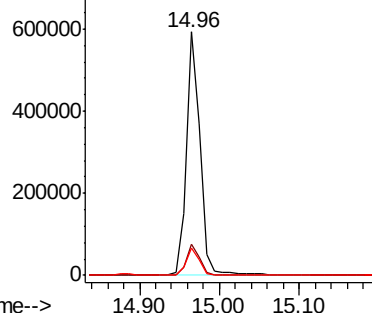
#95
Naphthalene
Concen: 20.860 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060198.D
Acq: 25 Oct 2018 16:42

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBSD01

Tot Ion:128 Resp: 719620
Ion Ratio Lower Upper
128 100
127 12.8 9.9 14.9
129 11.0 8.8 13.2

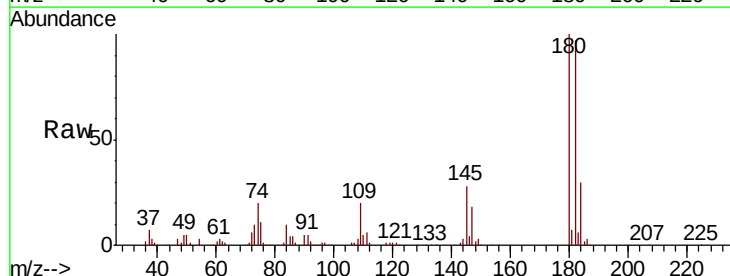


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.279 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060198.D
Acq: 25 Oct 2018 16:42

Tgt Ion:180 Resp: 410554
Ion Ratio Lower Upper
180 100
182 97.5 48.4 145.0
145 27.6 14.5 43.6



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

