

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058318.D
 Acq On : 23 Jun 2018 3:20
 Operator : VA/AP
 Sample : VD0622SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS02

Quant Time: Jun 23 04:12:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	940120	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	1244438	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	993765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	496924	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	533687	56.20	ug/l	0.02
Spiked Amount	50.000		Recovery	=	112.40%	
35) Dibromofluoromethane	5.55	113	548636	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	
50) Toluene-d8	8.71	98	1238795	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	11.93	95	507017	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.35	85	231212	24.149	ug/l	97
3) Chloromethane	1.49	50	107880	24.032	ug/l #	88
4) Vinyl Chloride	1.57	62	109204	22.174	ug/l	98
5) Bromomethane	1.80	94	35235	18.892	ug/l	98
6) Chloroethane	1.88	64	34345	17.911	ug/l	100
7) Trichlorofluoromethane	2.09	101	144644	21.420	ug/l	99
8) Diethyl Ether	2.36	74	30451	21.320	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.56	101	94383	21.986	ug/l	90
10) Methyl Iodide	2.70	142	100240	20.529	ug/l	97
11) Tert butyl alcohol	3.27	59	29578	94.440	ug/l	96
12) 1,1-Dichloroethene	2.55	96	68602	21.240	ug/l	83
13) Acrolein	2.48	56	16993	95.045	ug/l	90
14) Allyl chloride	2.93	41	163683	21.774	ug/l	96
15) Acrylonitrile	3.37	53	115519	139.106	ug/l	98
16) Acetone	2.62	43	118937	91.586	ug/l	94
17) Carbon Disulfide	2.76	76	222587	20.256	ug/l	98
18) Methyl Acetate	2.95	43	54760	19.772	ug/l	99
19) Methyl tert-butyl Ether	3.42	73	342254	39.952	ug/l	98
20) Methylene Chloride	3.08	84	92762	24.977	ug/l	96
21) trans-1,2-Dichloroethene	3.40	96	131297	37.195	ug/l	92
22) Diisopropyl ether	4.09	45	654459	21.920	ug/l	99
23) Vinyl Acetate	4.03	43	1671709	104.450	ug/l	99
24) 1,1-Dichloroethane	3.99	63	373086	23.195	ug/l	99
25) 2-Butanone	4.85	43	303986	107.400	ug/l	97
26) 2,2-Dichloropropane	4.81	77	278521	20.679	ug/l	100
27) cis-1,2-Dichloroethene	4.82	96	210204	23.830	ug/l	98
28) Bromochloromethane	5.15	49	161963	22.462	ug/l	98
29) Tetrahydrofuran	5.20	42	158935	105.495	ug/l	100
30) Chloroform	5.33	83	391789	23.072	ug/l	97
31) Cyclohexane	5.60	56	298582	22.715	ug/l	98
32) 1,1,1-Trichloroethane	5.53	97	307152	21.892	ug/l	99
36) 1,1-Dichloropropene	5.75	75	270475	21.971	ug/l	97
37) Ethyl Acetate	4.93	43	148614	21.188	ug/l	97
38) Carbon Tetrachloride	5.73	117	260417	21.290	ug/l	94

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 Acq On : 23 Jun 2018 3:20
 Operator : VA/AP
 Sample : VD0622SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS02

Quant Time: Jun 23 04:12:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	260093	21.691	ug/l	95
40) Benzene	6.03	78	648670	22.120	ug/l	100
41) Methacrylonitrile	5.14	41	74303	21.938	ug/l	99
42) 1,2-Dichloroethane	6.14	62	258720	21.880	ug/l	100
43) Isopropyl Acetate	7.62	43	188160	20.121	ug/l #	98
44) Trichloroethene	6.99	130	196396	22.303	ug/l	93
45) 1,2-Dichloropropane	7.36	63	162005	20.513	ug/l	99
46) Dibromomethane	7.46	93	117960	21.879	ug/l	83
47) Bromodichloromethane	7.75	83	268336	21.826	ug/l	96
48) Methyl methacrylate	7.51	41	120031	21.119	ug/l	90
49) 1,4-Dioxane	7.50	88	21463	418.353	ug/l #	76
51) 4-Methyl-2-Pentanone	8.61	43	654807	107.352	ug/l	100
52) Toluene	8.81	92	367389	22.002	ug/l	97
53) t-1,3-Dichloropropene	9.20	75	223072	20.869	ug/l	97
54) cis-1,3-Dichloropropene	8.37	75	263960	21.064	ug/l	97
55) 1,1,2-Trichloroethane	9.46	97	130696	22.122	ug/l	98
56) Ethyl methacrylate	9.32	69	152143	21.533	ug/l	96
57) 1,3-Dichloropropane	9.67	76	220431	22.150	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.19	63	393386	112.468	ug/l	100
59) 2-Hexanone	9.79	43	461520	104.713	ug/l	94
60) Dibromochloromethane	9.96	129	168894	21.065	ug/l	97
61) 1,2-Dibromoethane	10.10	107	139969	21.646	ug/l	94
64) Tetrachloroethene	9.52	164	207218	24.782	ug/l	100
65) Chlorobenzene	10.72	112	413345	22.236	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	157764	21.992	ug/l	98
67) Ethyl Benzene	10.86	91	742590	22.628	ug/l	97
68) m/p-Xylenes	11.02	106	467434	42.712	ug/l	99
69) o-Xylene	11.41	106	232067	22.202	ug/l	96
70) Styrene	11.43	104	392389	21.999	ug/l	97
71) Bromoform	11.60	173	118401	20.690	ug/l	96
73) Isopropylbenzene	11.78	105	670577	22.561	ug/l	100
74) N-amyl acetate	11.65	43	251170	21.855	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	150557	21.766	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	155852	21.481	ug/l	100
77) Bromobenzene	12.04	156	205252	23.060	ug/l	88
78) n-propylbenzene	12.15	91	895639	23.333	ug/l	96
79) 2-Chlorotoluene	12.22	91	515022	23.447	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	507976	21.911	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	34095	19.268	ug/l	88
82) 4-Chlorotoluene	12.33	91	535577	21.971	ug/l	93
83) tert-Butylbenzene	12.57	119	598907	22.470	ug/l	92
84) 1,2,4-Trimethylbenzene	12.62	105	575511	22.837	ug/l	100
85) sec-Butylbenzene	12.76	105	710563	22.744	ug/l	97
86) p-Isopropyltoluene	12.89	119	569778	22.505	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	346209	22.379	ug/l	94
88) 1,4-Dichlorobenzene	12.93	146	329255	21.795	ug/l	97
89) n-Butylbenzene	13.19	91	595239	22.370	ug/l	95
90) Hexachloroethane	13.40	117	145989	22.216	ug/l	73
91) 1,2-Dichlorobenzene	13.19	146	290493	22.066	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	24269	22.046	ug/l	71

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Data File : VD058318.D
Acq On : 23 Jun 2018 3:20
Operator : VA/AP
Sample : VD0622SBS02
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS02

Quant Time: Jun 23 04:12:20 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration

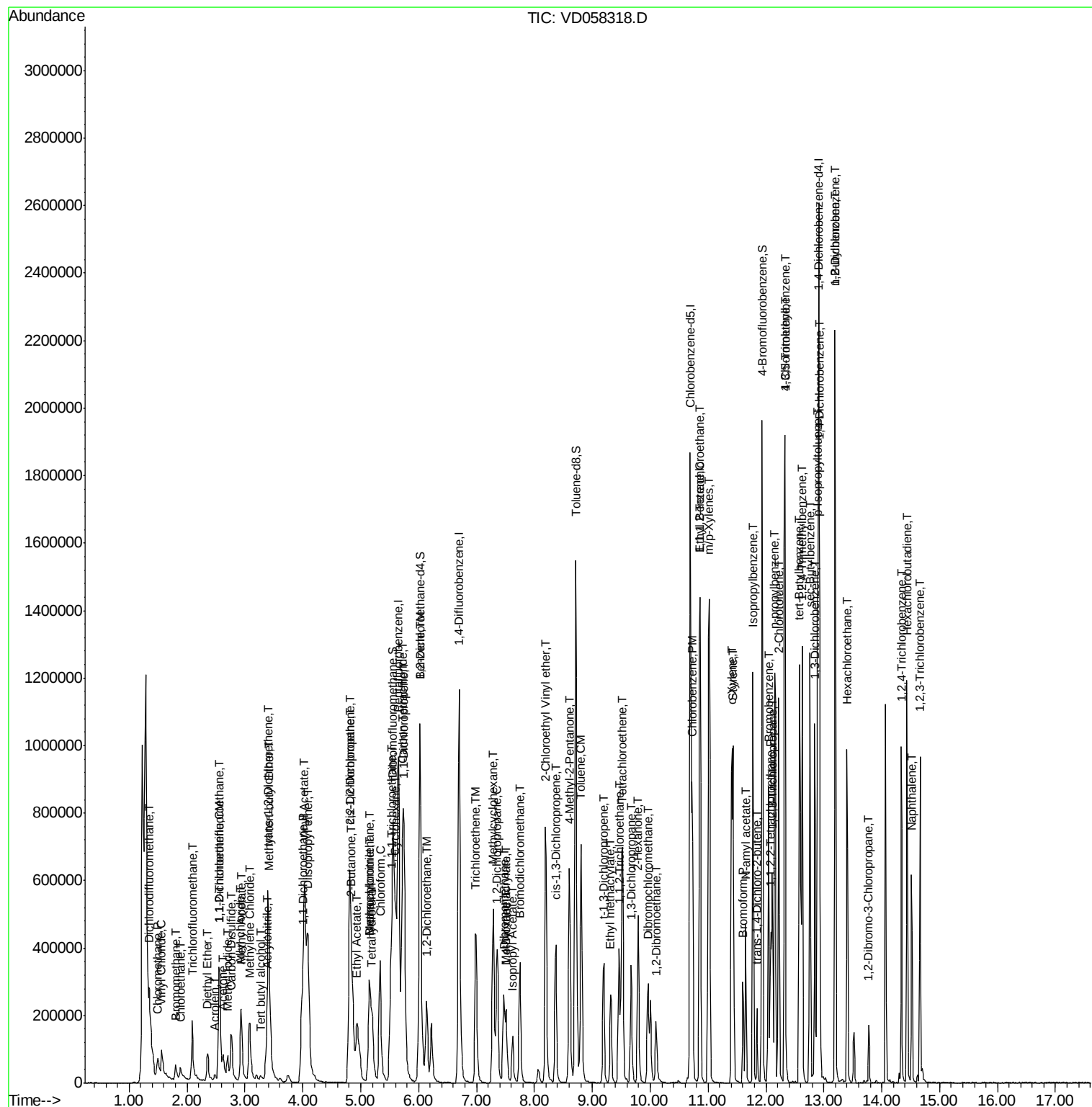
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	258810	20.555	µg/l	93
94) Hexachlorobutadiene	14.43	225	198571	20.163	µg/l	98
95) Naphthalene	14.51	128	352716	21.266	µg/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	223325	20.260	µg/l	96

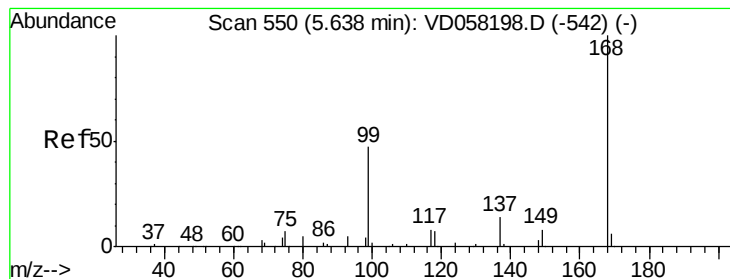
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058318.D
 Acq On : 23 Jun 2018 3:20
 Operator : VA/AP
 Sample : VD0622SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0622SBS02

Quant Time: Jun 23 03:39:00 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.02 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

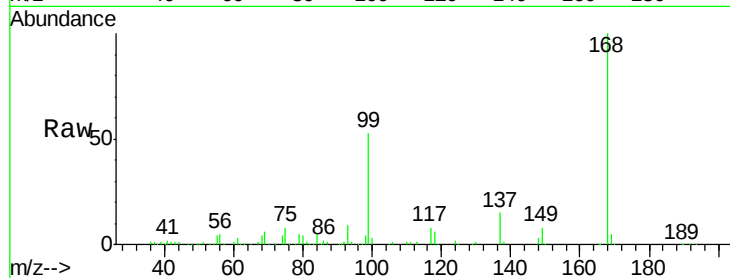
VD0622SBS02

Tot Ion:168 Resp: 940120

Ion Ratio Lower Upper

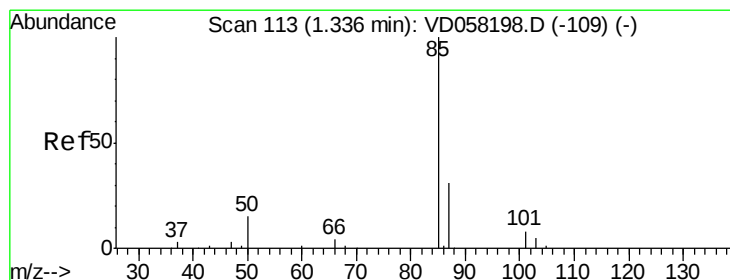
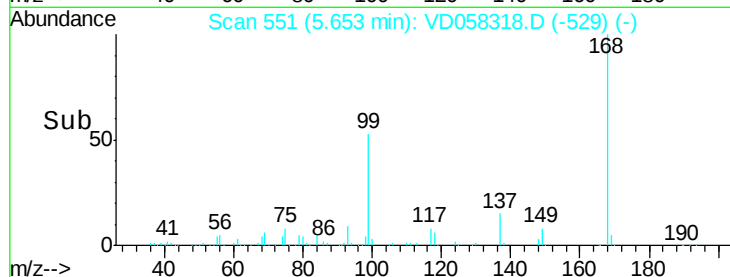
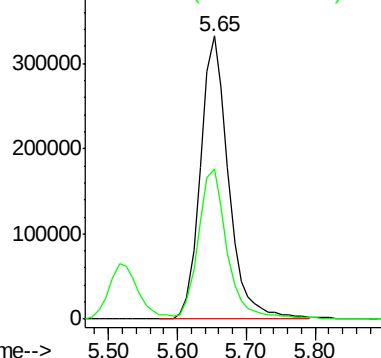
168 100

99 53.0 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 24.149 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.02 min

Lab File: VD058318.D

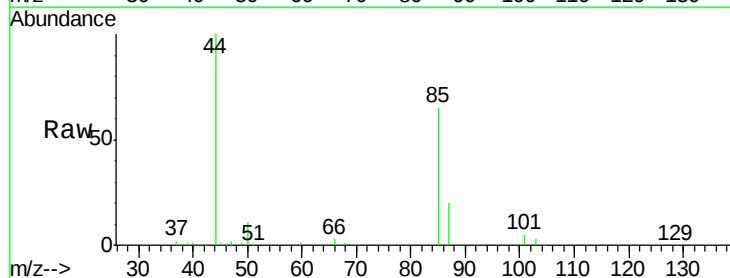
Acq: 23 Jun 2018 3:20

Tgt Ion: 85 Resp: 231212

Ion Ratio Lower Upper

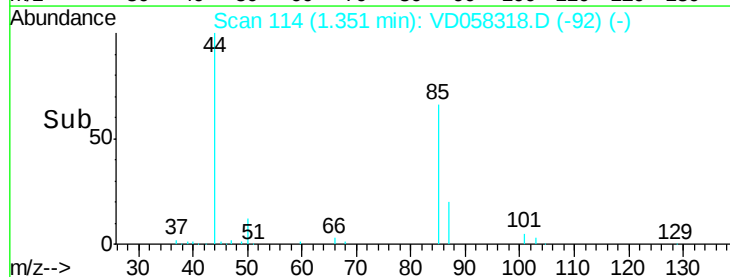
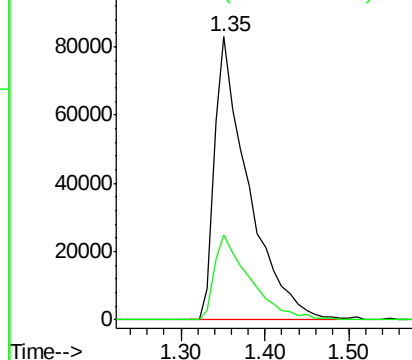
85 100

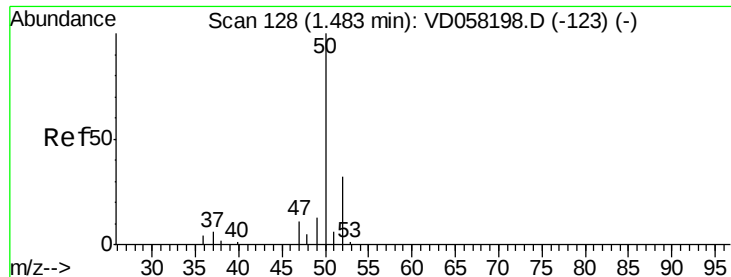
87 29.9 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 24.032 ug/l

RT: 1.49 min Scan# 128

Delta R.T. 0.01 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

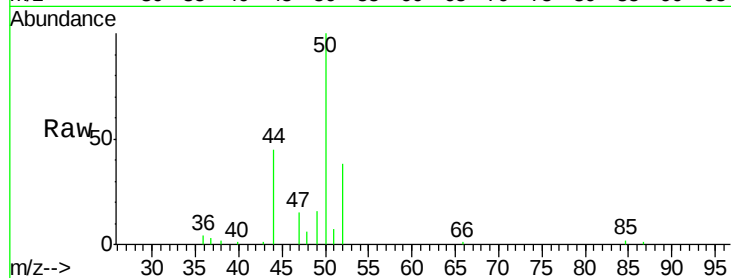
VD0622SBS02

Tot Ion: 50 Resp: 107880

Ion Ratio Lower Upper

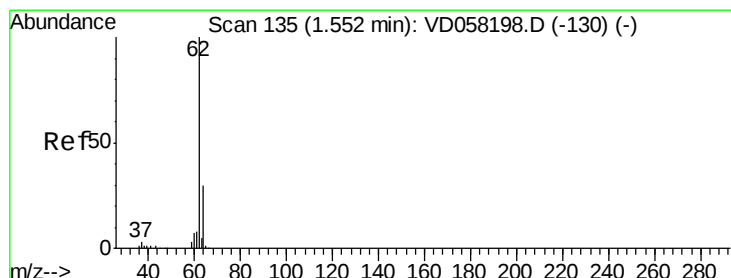
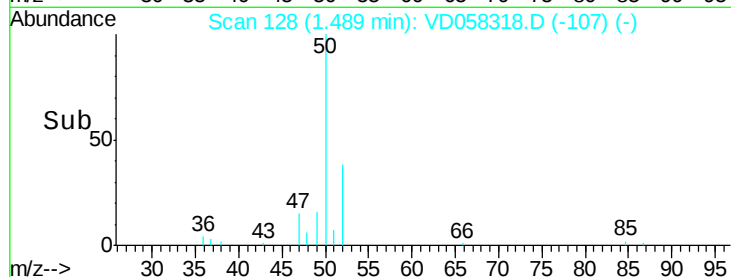
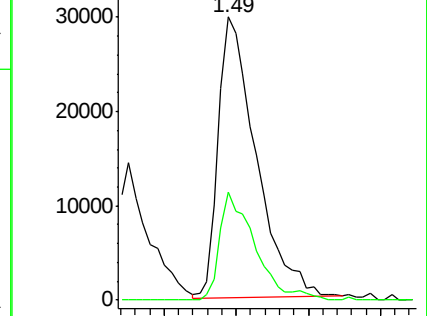
50 100

52 38.0 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.174 ug/l

RT: 1.57 min Scan# 136

Delta R.T. 0.02 min

Lab File: VD058318.D

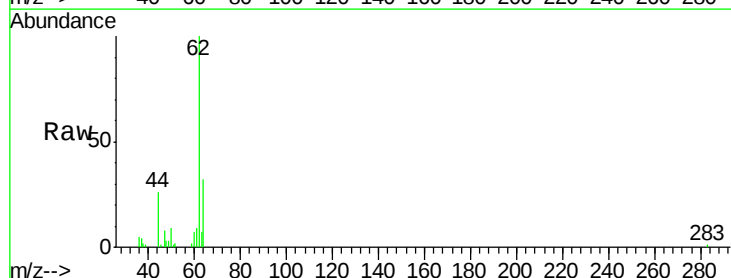
Acq: 23 Jun 2018 3:20

Tgt Ion: 62 Resp: 109204

Ion Ratio Lower Upper

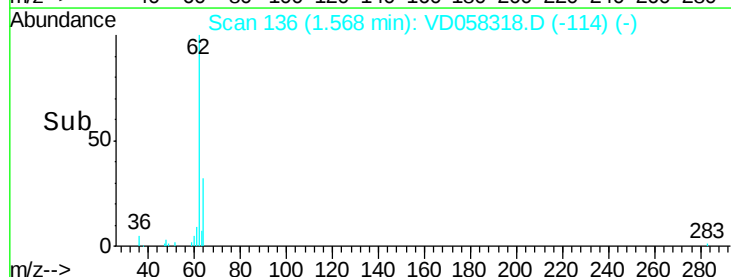
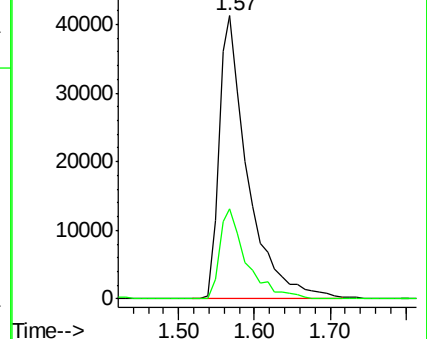
62 100

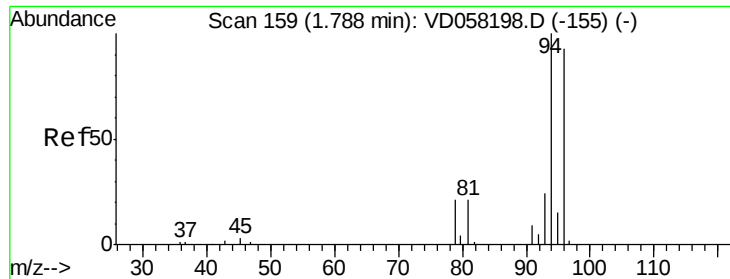
64 31.7 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.892 ug/l

RT: 1.80 min Scan# 160

Delta R.T. 0.02 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

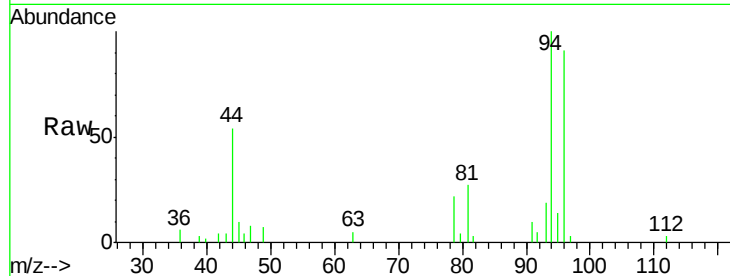
VD0622SBS02

Tot Ion: 94 Resp: 35235

Ion Ratio Lower Upper

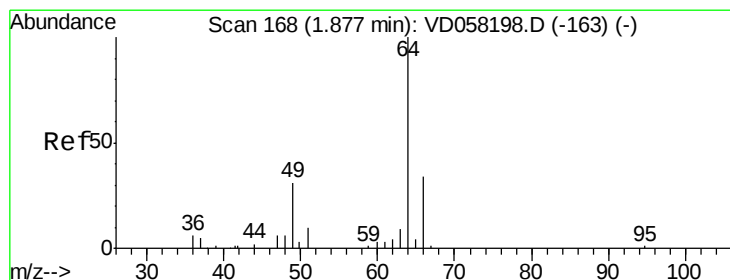
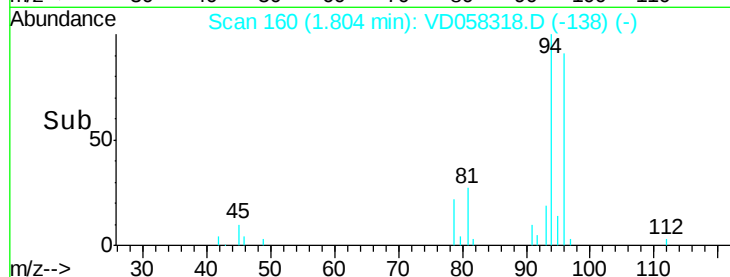
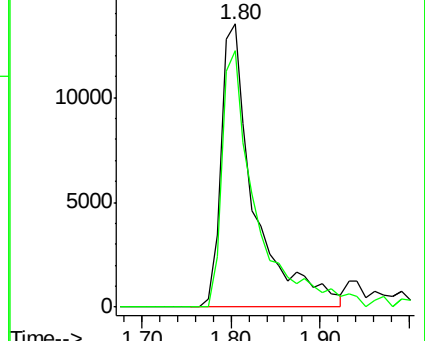
94 100

96 90.7 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.911 ug/l

RT: 1.88 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD058318.D

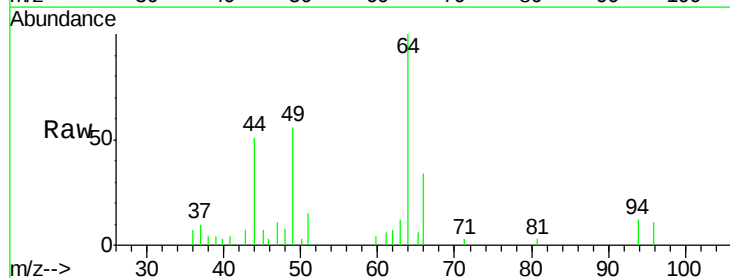
Acq: 23 Jun 2018 3:20

Tgt Ion: 64 Resp: 34345

Ion Ratio Lower Upper

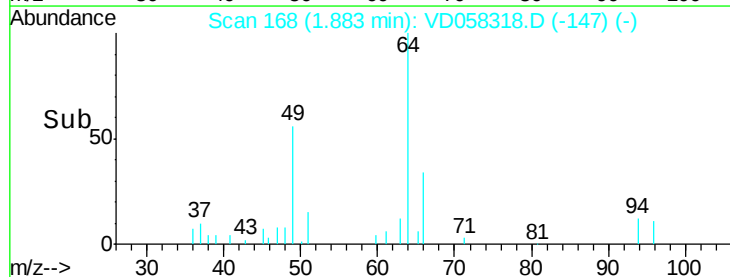
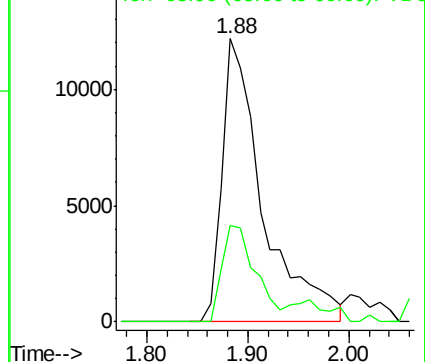
64 100

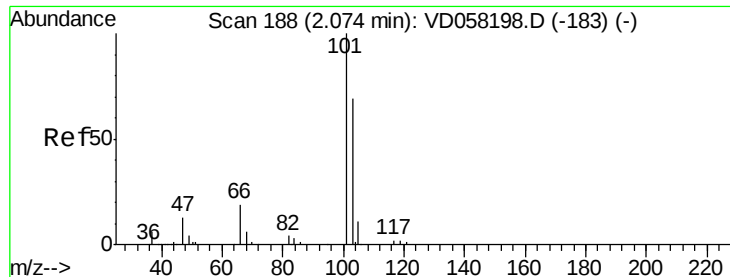
66 34.2 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



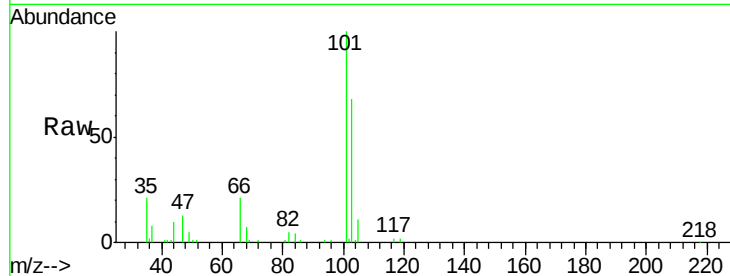


#7

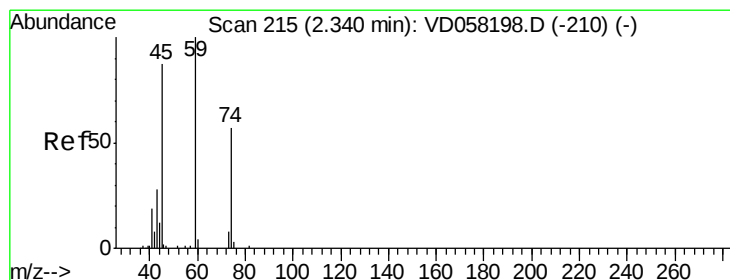
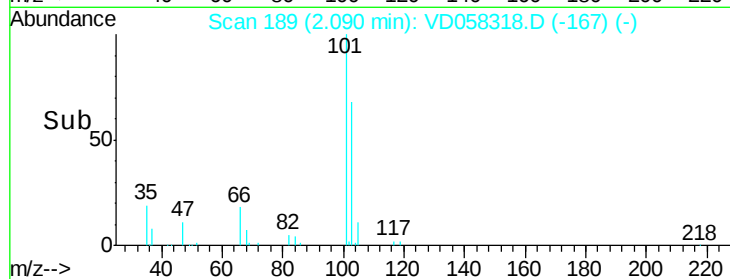
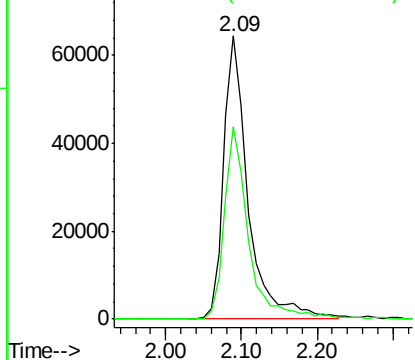
Trichlorofluoromethane
 Concen: 21.420 ug/l
 RT: 2.09 min Scan# 189
 Delta R.T. 0.02 min
 Lab File: VD058318.D
 Acq: 23 Jun 2018 3:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS02

Tot Ion:101 Resp: 144644
 Ion Ratio Lower Upper
 101 100
 103 67.9 55.1 82.7



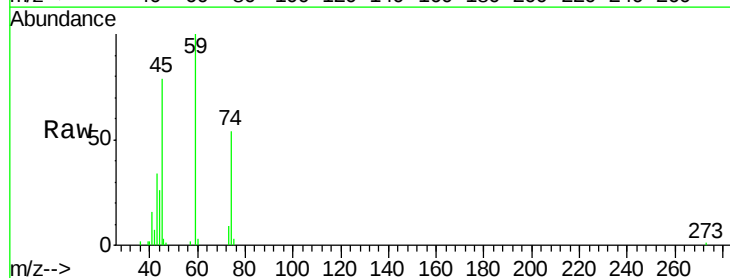
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



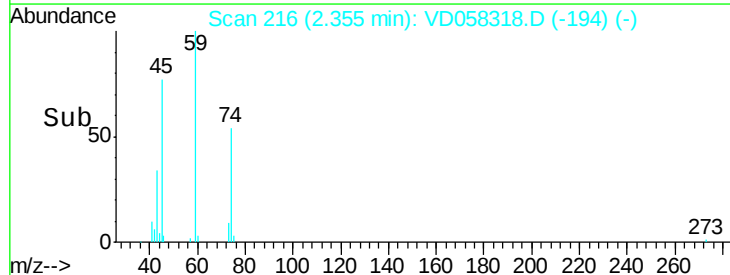
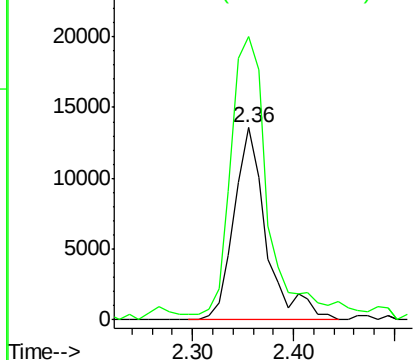
#8

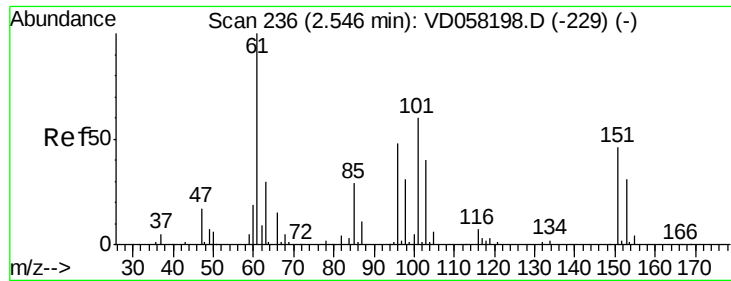
Diethyl Ether
 Concen: 21.320 ug/l
 RT: 2.36 min Scan# 216
 Delta R.T. 0.02 min
 Lab File: VD058318.D
 Acq: 23 Jun 2018 3:20

Tgt Ion: 74 Resp: 30451
 Ion Ratio Lower Upper
 74 100
 45 147.5 77.5 232.6



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.986 ug/l

RT: 2.56 min Scan# 237

Delta R.T. 0.02 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS02

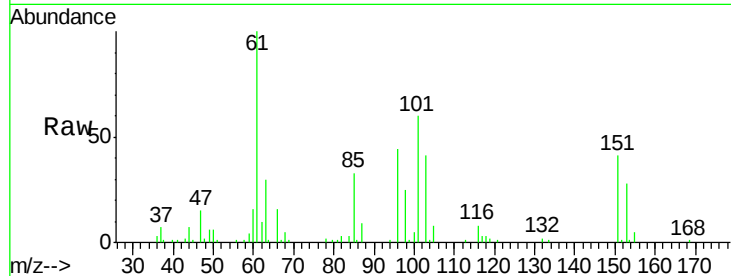
Tot Ion:101 Resp: 94383

Ion Ratio Lower Upper

101 100

85 54.8 39.0 58.4

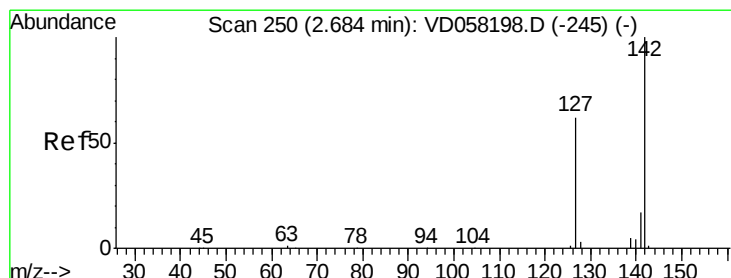
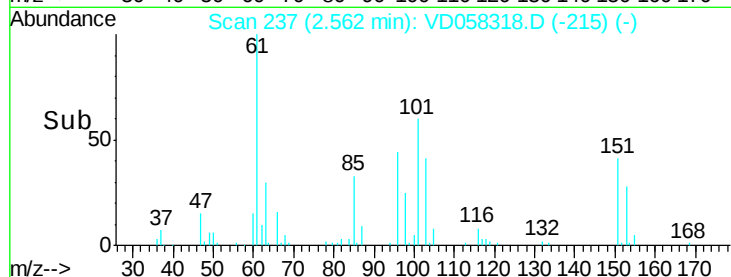
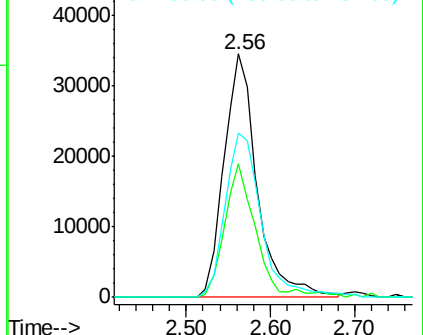
151 67.6 61.8 92.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.529 ug/l

RT: 2.70 min Scan# 251

Delta R.T. 0.02 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

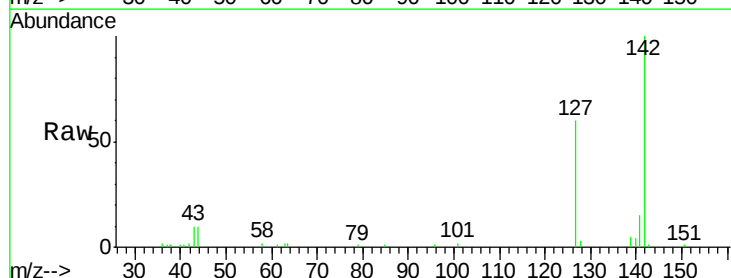
Tgt Ion:142 Resp: 100240

Ion Ratio Lower Upper

142 100

127 60.2 49.4 74.0

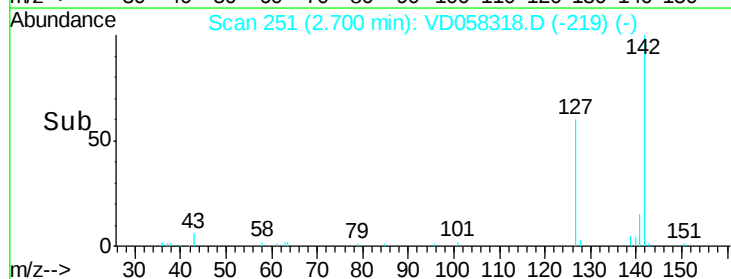
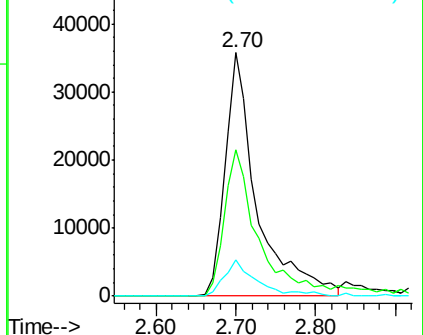
141 14.7 13.5 20.3



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



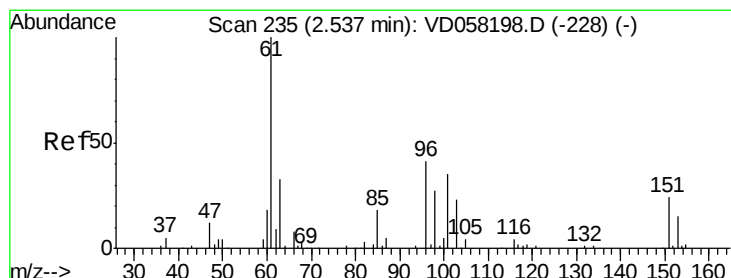
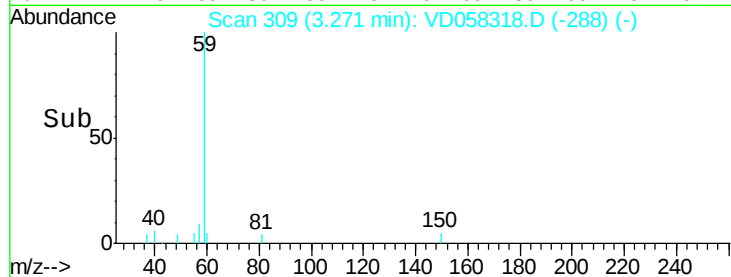
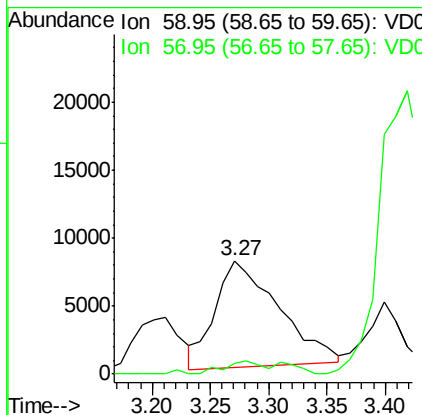
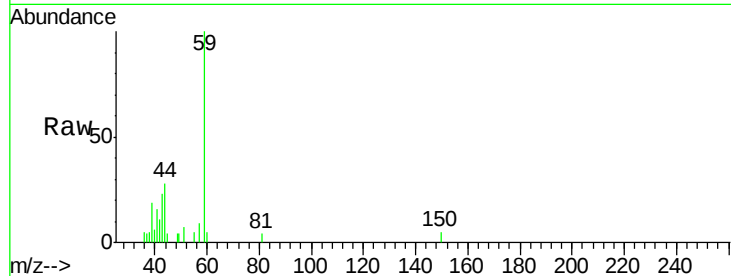


#11

Tert butyl alcohol
 Concen: 94.440 ug/l
 RT: 3.27 min Scan# 309
 Delta R.T. 0.01 min
 Lab File: VD058318.D
 Acq: 23 Jun 2018 3:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS02

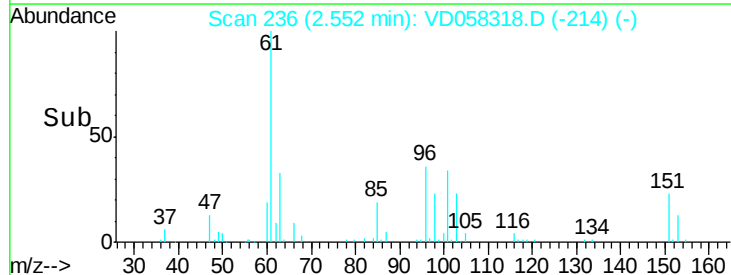
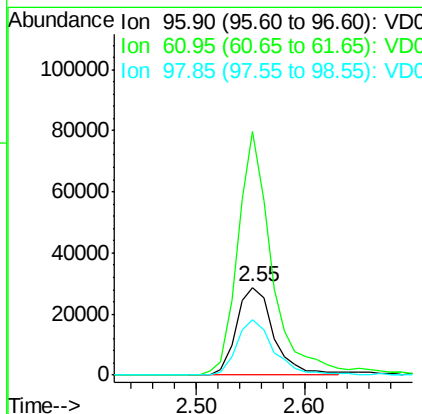
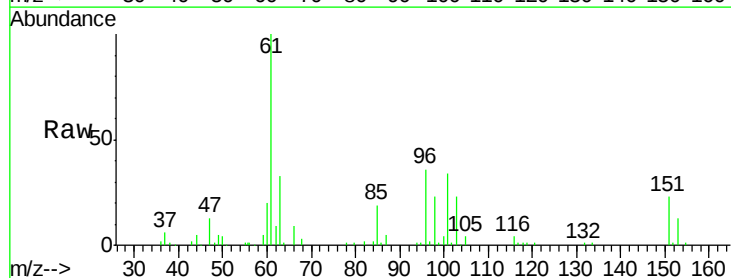
Tot Ion: 59 Resp: 29578
 Ion Ratio Lower Upper
 59 100
 57 9.3 6.2 9.4

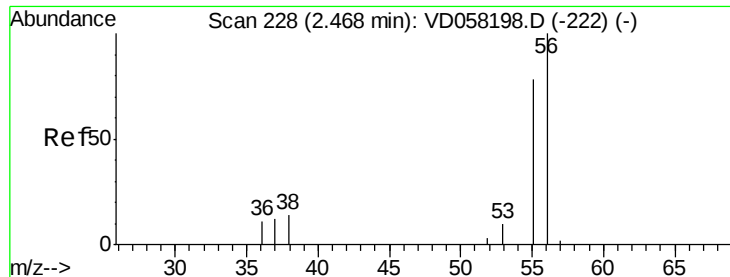


#12

1,1-Dichloroethene
 Concen: 21.240 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. 0.02 min
 Lab File: VD058318.D
 Acq: 23 Jun 2018 3:20

Tgt Ion: 96 Resp: 68602
 Ion Ratio Lower Upper
 96 100
 61 278.4 193.9 290.9
 98 63.1 51.7 77.5





#13

Acrolein

Concen: 95.045 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.02 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

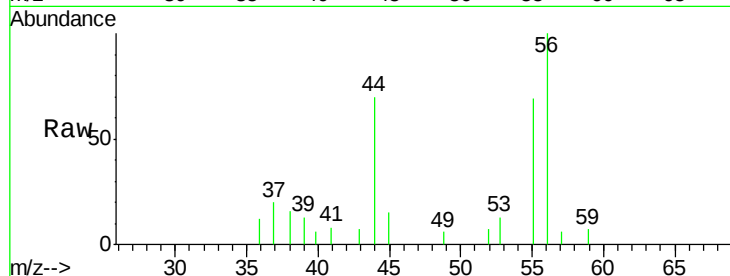
VD0622SBS02

Tot Ion: 56 Resp: 16993

Ion Ratio Lower Upper

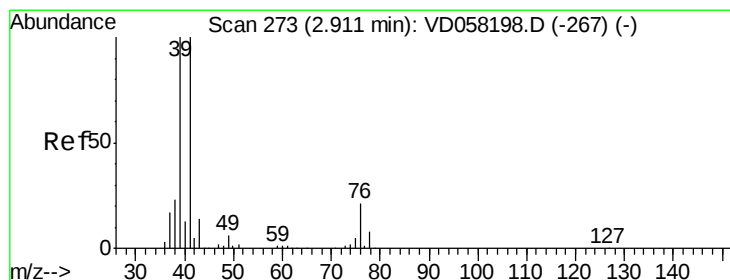
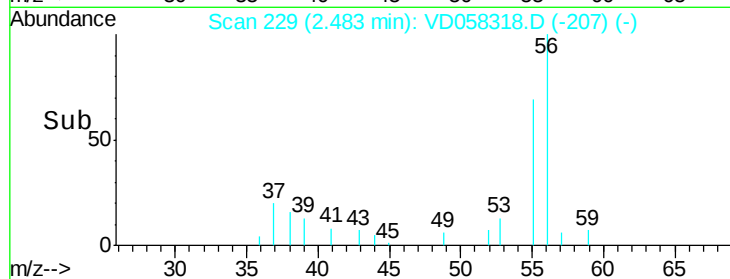
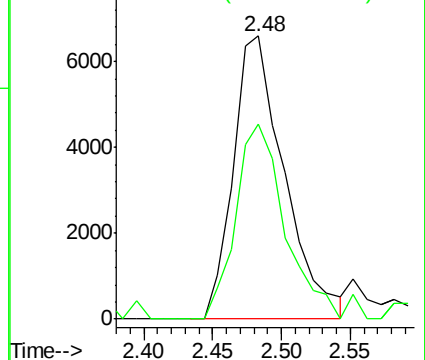
56 100

55 68.7 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.774 ug/l

RT: 2.93 min Scan# 274

Delta R.T. 0.02 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

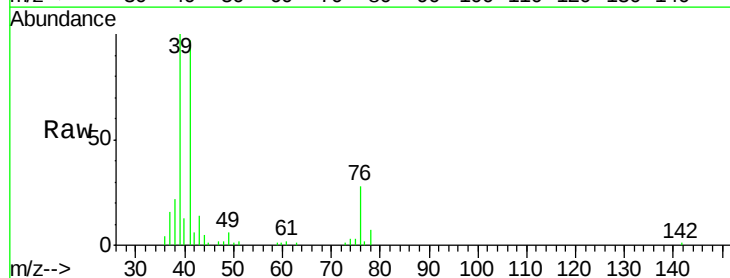
Tgt Ion: 41 Resp: 163683

Ion Ratio Lower Upper

41 100

39 102.9 80.1 120.1

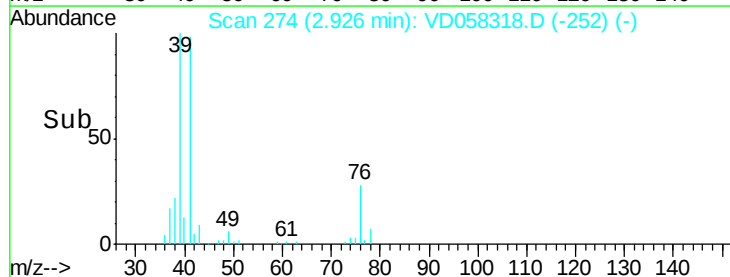
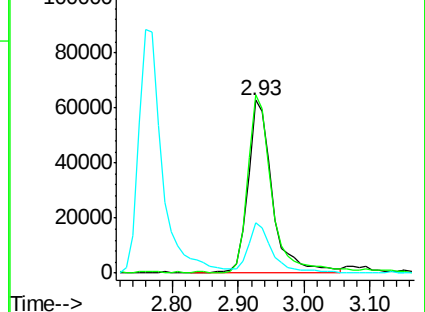
76 28.9 19.4 29.2

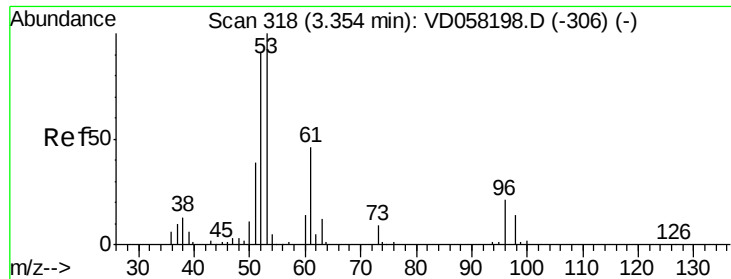


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 139.106 ug/l

RT: 3.37 min Scan# 319

Delta R.T. 0.02 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS02

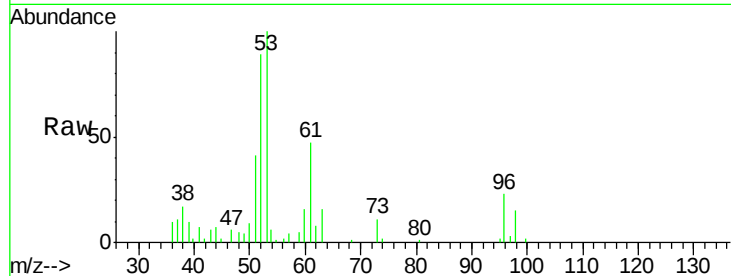
Tot Ion: 53 Resp: 115519

Ion Ratio Lower Upper

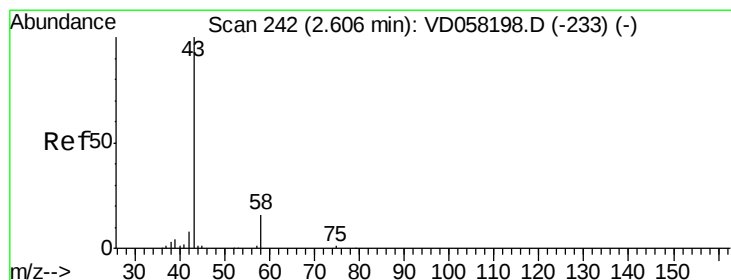
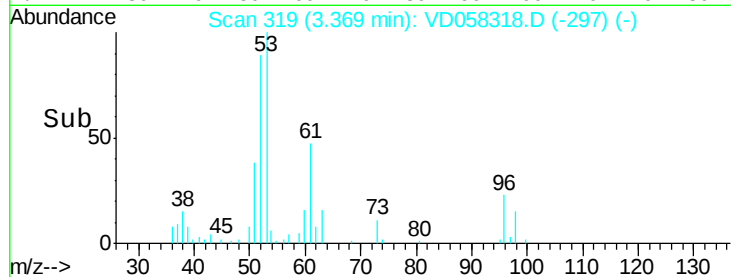
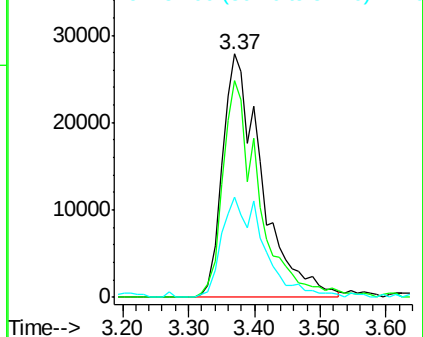
53 100

52 88.9 72.6 108.8

51 41.4 32.2 48.4



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 91.586 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD058318.D

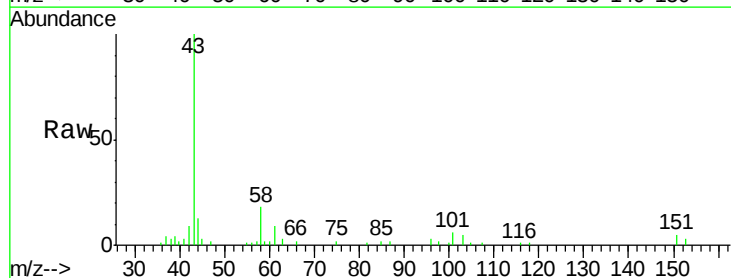
Acq: 23 Jun 2018 3:20

Tgt Ion: 43 Resp: 118937

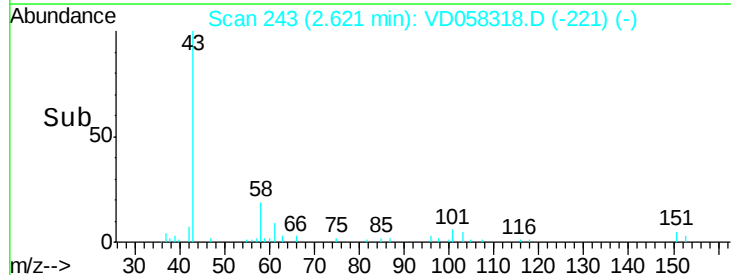
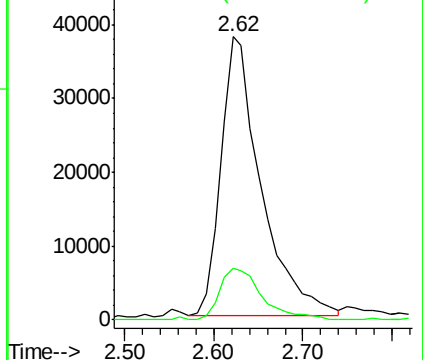
Ion Ratio Lower Upper

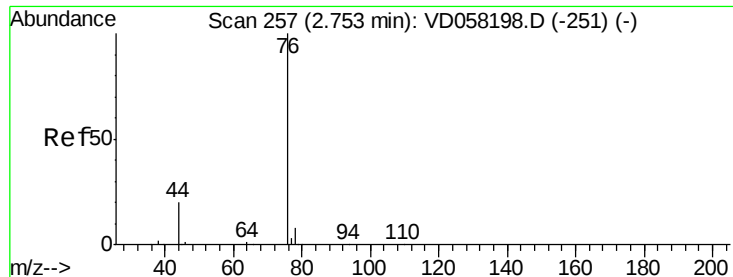
43 100

58 18.3 12.7 19.1



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

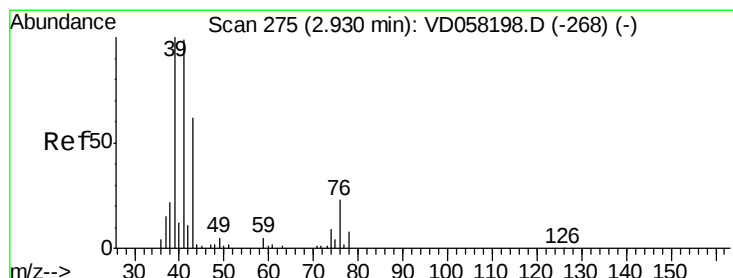
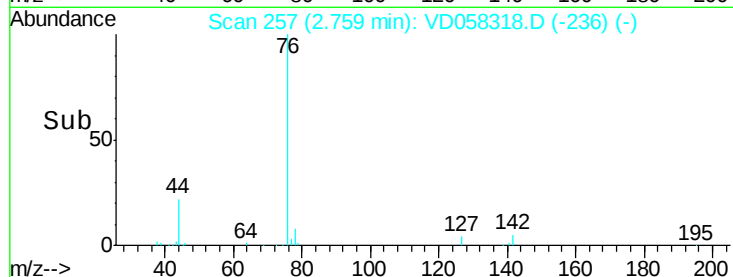
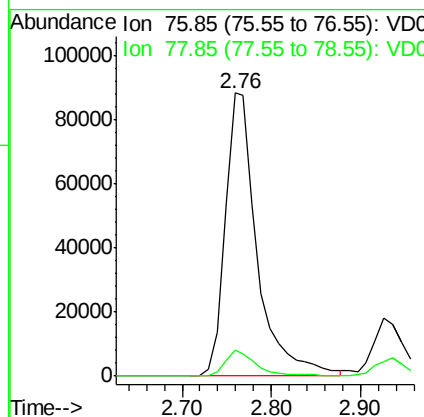
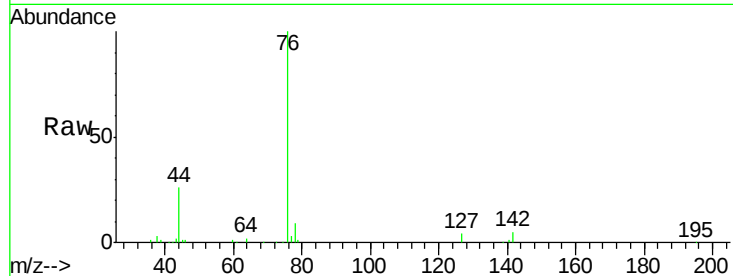




#17
Carbon Disulfide
Concen: 20.256 ug/l
RT: 2.76 min Scan# 257
Delta R.T. 0.01 min
Lab File: VD058318.D
Acq: 23 Jun 2018 3:20

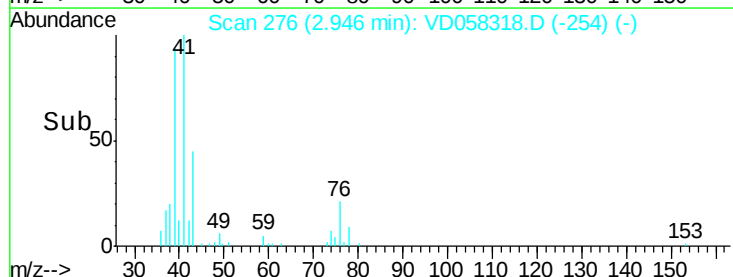
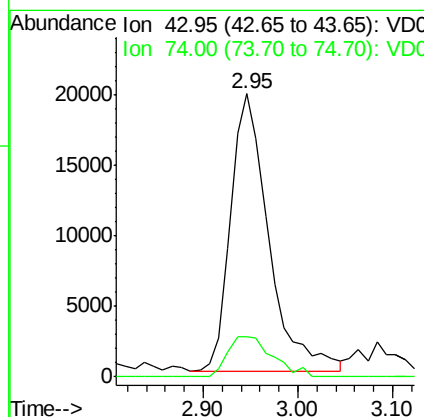
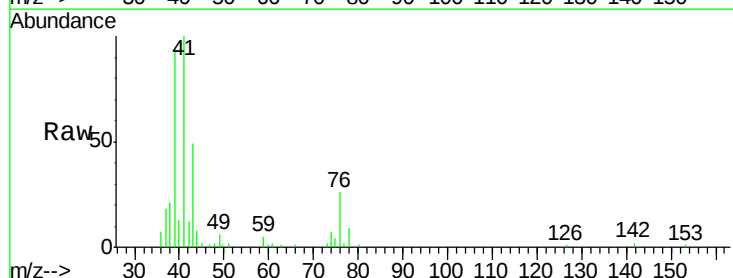
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS02

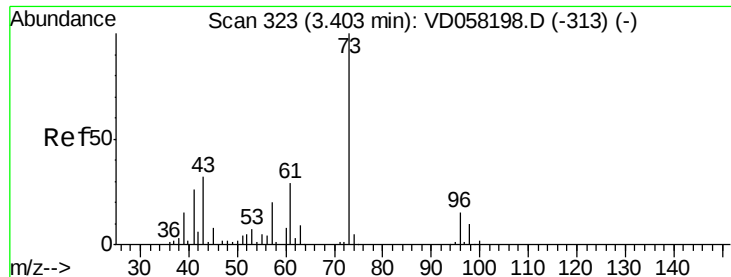
Tot Ion: 76 Resp: 222587
Ion Ratio Lower Upper
76 100
78 9.2 6.8 10.2



#18
Methyl Acetate
Concen: 19.772 ug/l
RT: 2.95 min Scan# 276
Delta R.T. 0.02 min
Lab File: VD058318.D
Acq: 23 Jun 2018 3:20

Tgt Ion: 43 Resp: 54760
Ion Ratio Lower Upper
43 100
74 14.0 11.7 17.5



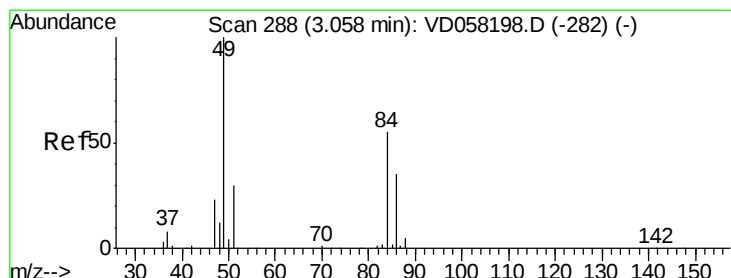
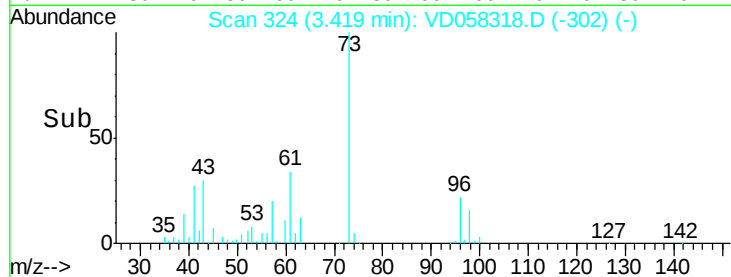
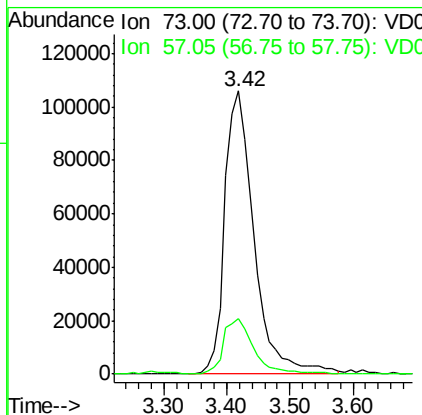
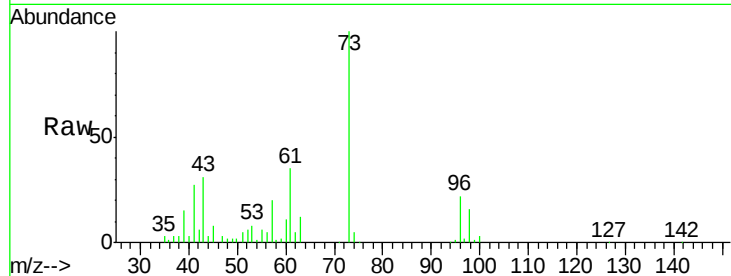


#19

Methyl tert-butyl Ether
 Concen: 39.952 ug/l
 RT: 3.42 min Scan# 324
 Delta R.T. 0.02 min
 Lab File: VD058318.D
 Acq: 23 Jun 2018 3:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS02

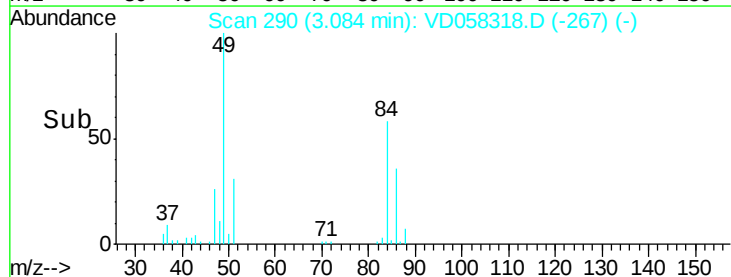
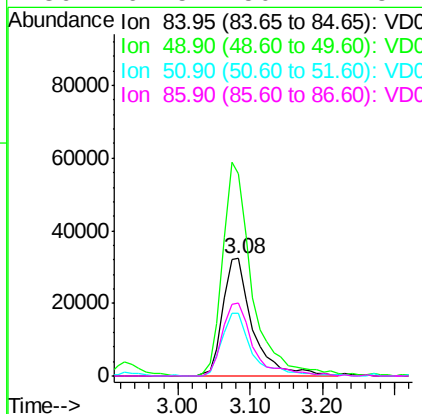
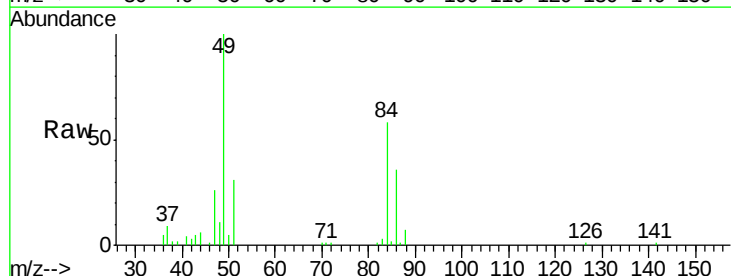
Tot Ion: 73 Resp: 342254
 Ion Ratio Lower Upper
 73 100
 57 19.6 16.6 24.8

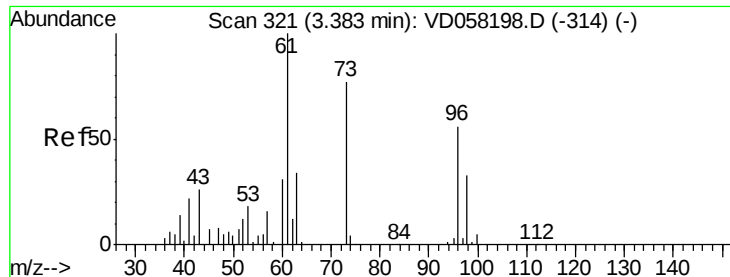


#20

Methylene Chloride
 Concen: 24.977 ug/l
 RT: 3.08 min Scan# 290
 Delta R.T. 0.03 min
 Lab File: VD058318.D
 Acq: 23 Jun 2018 3:20

Tgt Ion: 84 Resp: 92762
 Ion Ratio Lower Upper
 84 100
 49 171.6 145.0 217.6
 51 52.8 42.9 64.3
 86 62.5 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 37.195 ug/l

RT: 3.40 min Scan# 322

Delta R.T. 0.02 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS02

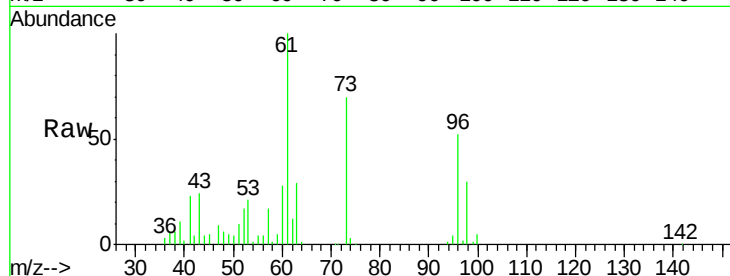
Tot Ion: 96 Resp: 131297

Ion Ratio Lower Upper

96 100

61 193.4 143.8 215.6

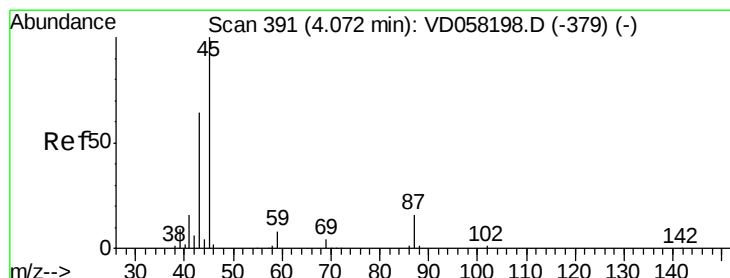
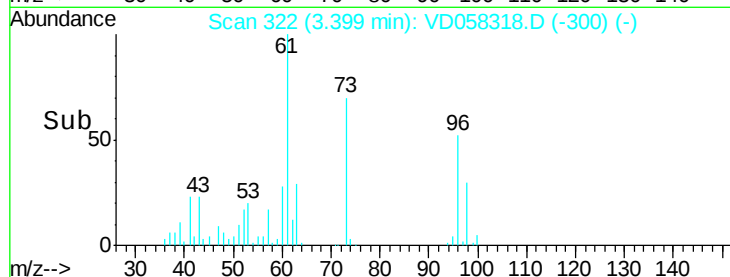
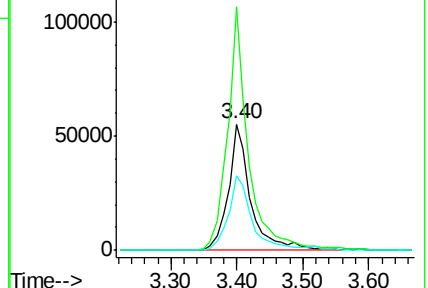
98 58.8 48.0 72.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 21.920 ug/l

RT: 4.09 min Scan# 392

Delta R.T. 0.02 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Tgt Ion: 45 Resp: 654459

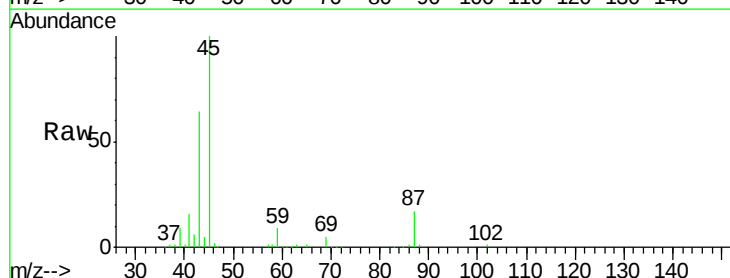
Ion Ratio Lower Upper

45 100

43 64.4 51.4 77.0

87 16.7 13.0 19.4

59 9.5 6.9 10.3

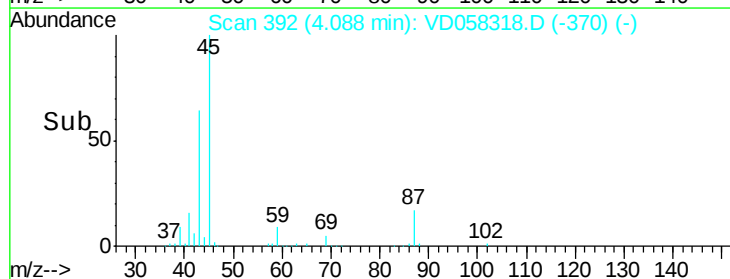
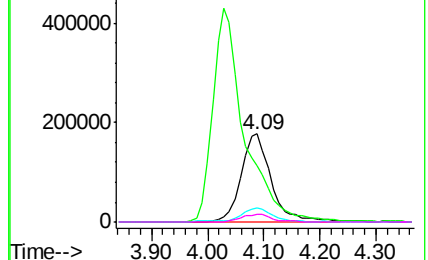


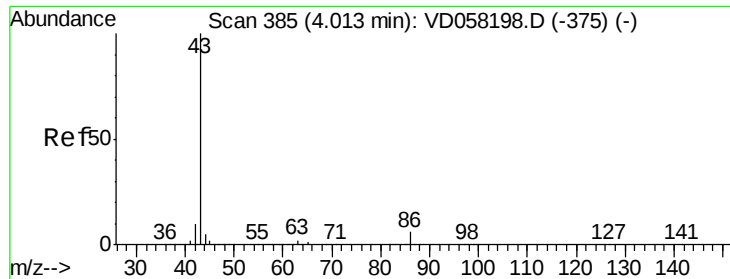
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 104.450 ug/l

RT: 4.03 min Scan# 386

Delta R.T. 0.02 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

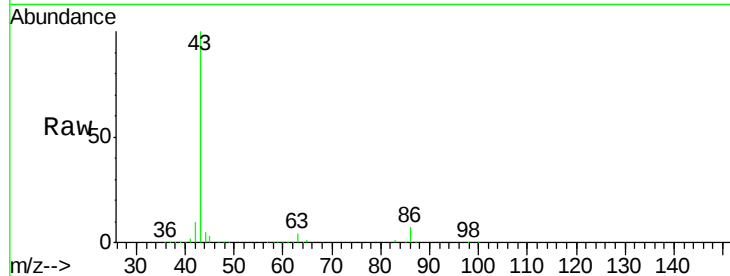
VD0622SBS02

Tot Ion: 43 Resp: 1671709

Ion Ratio Lower Upper

43 100

86 6.6 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.03

400000

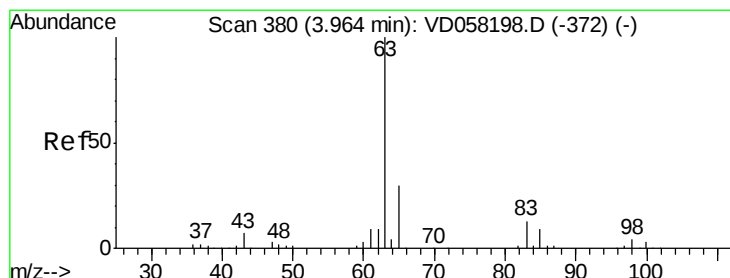
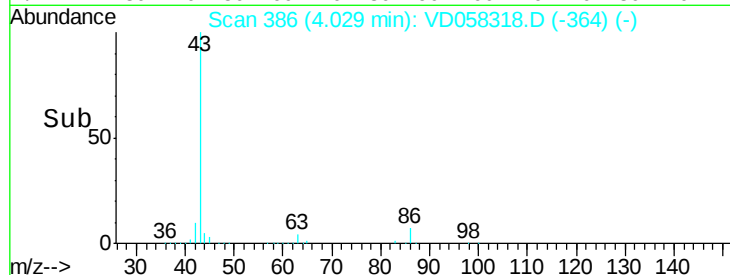
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 23.195 ug/l

RT: 3.99 min Scan# 382

Delta R.T. 0.03 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

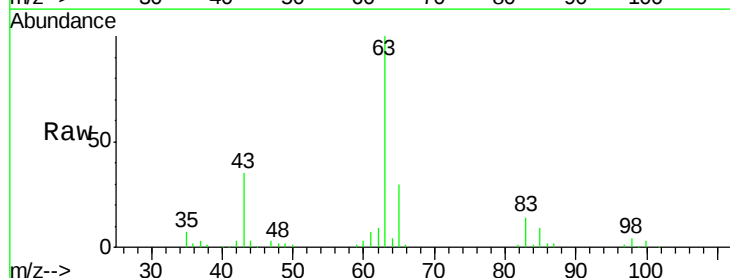
Tgt Ion: 63 Resp: 373086

Ion Ratio Lower Upper

63 100

98 3.6 1.9 5.7

100 2.8 1.3 3.9



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

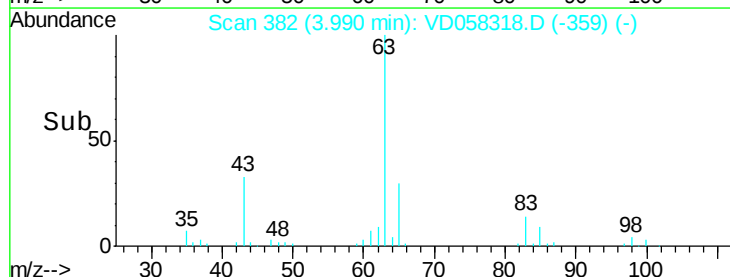
150000

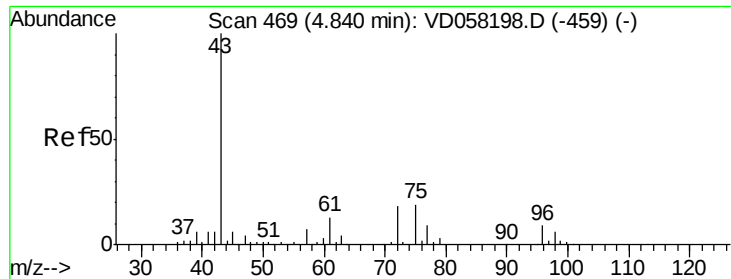
100000

50000

0

Time-->





#25

2-Butanone

Concen: 107.400 ug/l

RT: 4.85 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

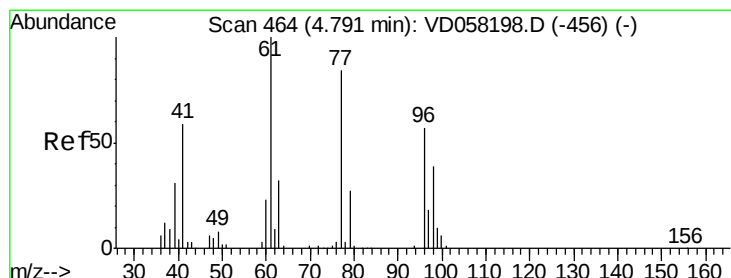
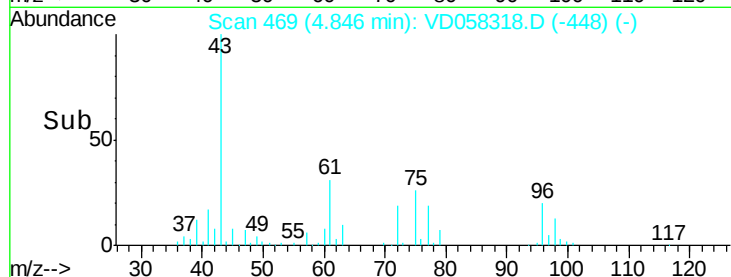
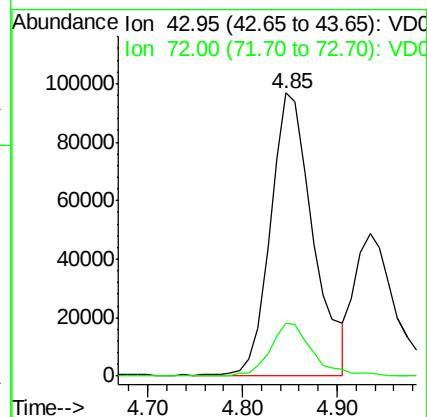
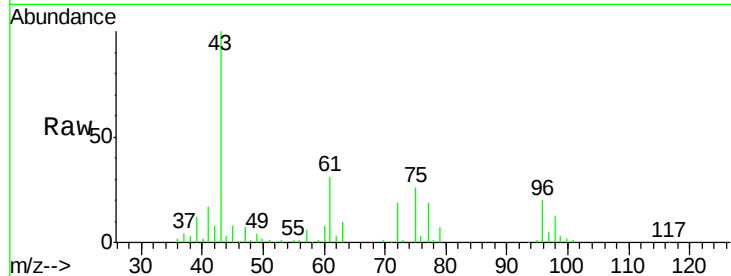
VD0622SBS02

Tot Ion: 43 Resp: 303986

Ion Ratio Lower Upper

43 100

72 18.9 14.1 21.1



#26

2,2-Dichloropropane

Concen: 20.679 ug/l

RT: 4.81 min Scan# 465

Delta R.T. 0.02 min

Lab File: VD058318.D

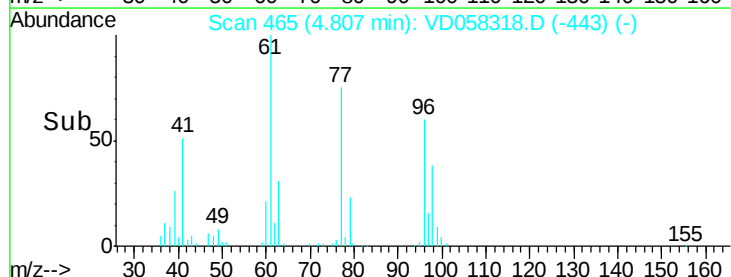
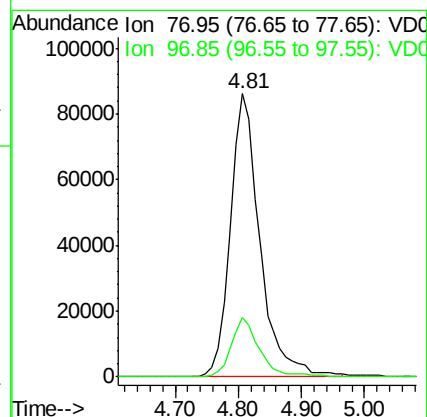
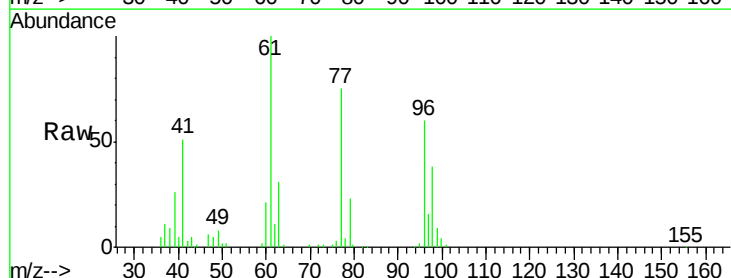
Acq: 23 Jun 2018 3:20

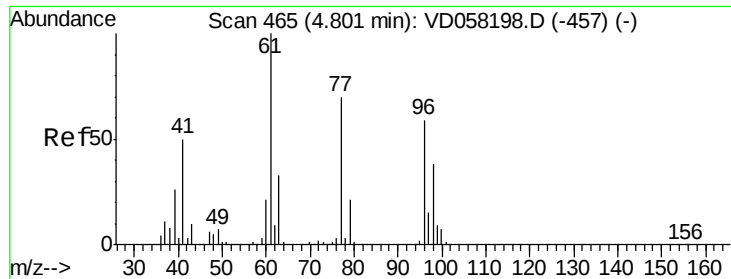
Tgt Ion: 77 Resp: 278521

Ion Ratio Lower Upper

77 100

97 21.2 10.5 31.6



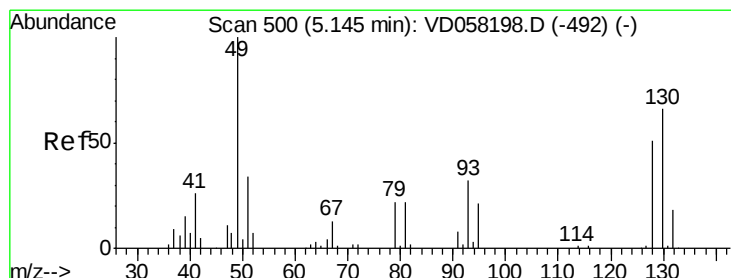
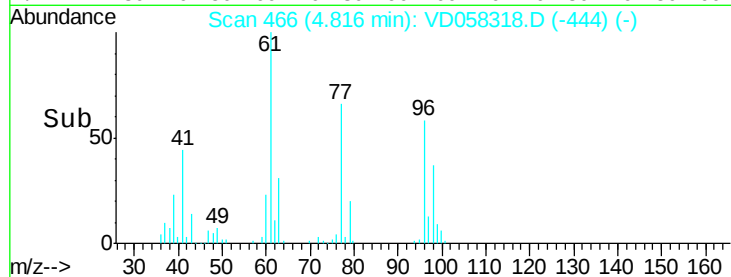
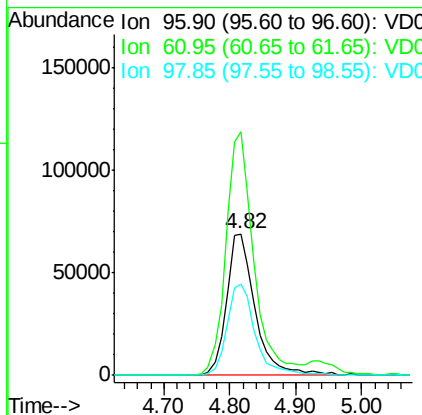
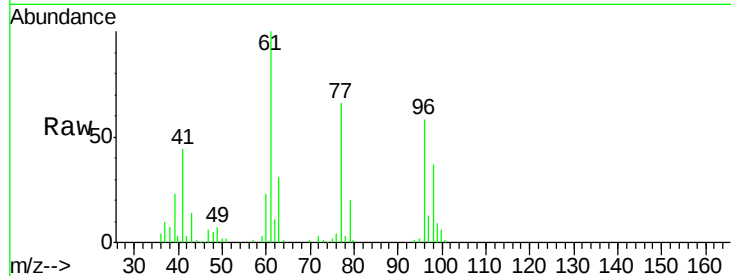


#27

cis-1,2-Dichloroethene
 Concen: 23.830 ug/l
 RT: 4.82 min Scan# 466
 Delta R.T. 0.02 min
 Lab File: VD058318.D
 Acq: 23 Jun 2018 3:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS02

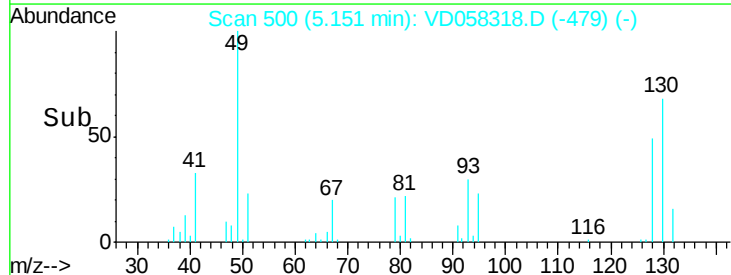
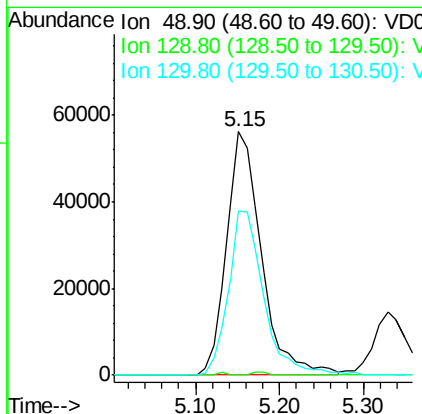
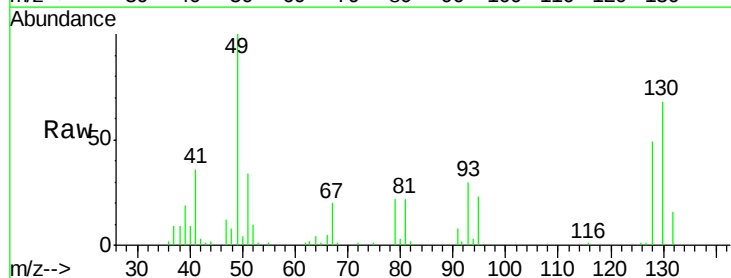
Tot Ion: 96 Resp: 210204
 Ion Ratio Lower Upper
 96 100
 61 172.1 0.0 338.6
 98 64.5 0.0 130.2



#28

Bromochloromethane
 Concen: 22.462 ug/l
 RT: 5.15 min Scan# 500
 Delta R.T. 0.01 min
 Lab File: VD058318.D
 Acq: 23 Jun 2018 3:20

Tgt Ion: 49 Resp: 161963
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 67.7 52.6 79.0

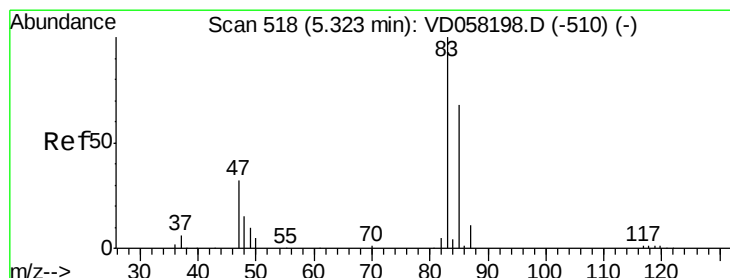
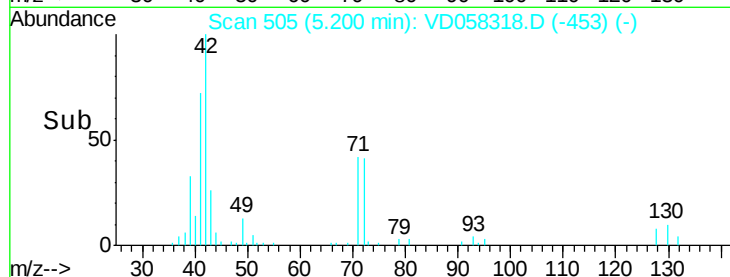
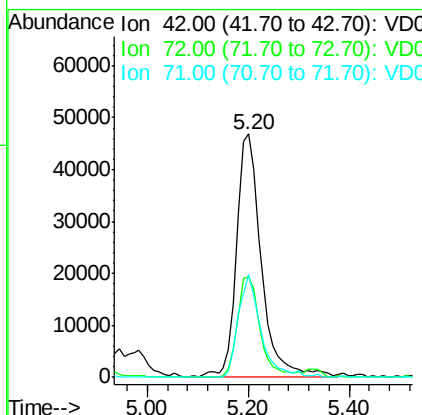
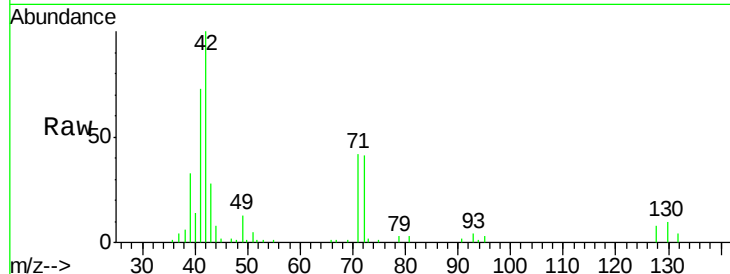




#29
Tetrahydrofuran
Concen: 105.495 ug/l
RT: 5.20 min Scan# 505
Delta R.T. 0.02 min
Lab File: VD058318.D
Acq: 23 Jun 2018 3:20

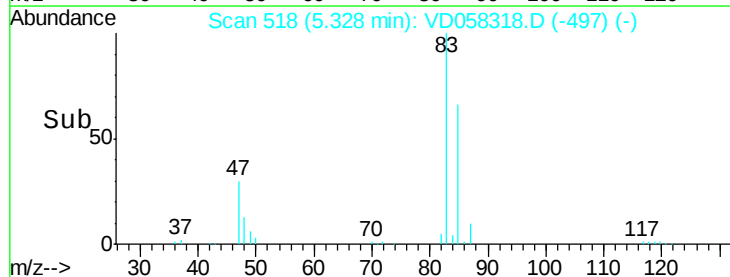
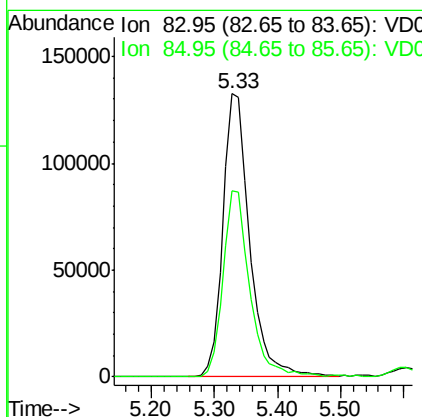
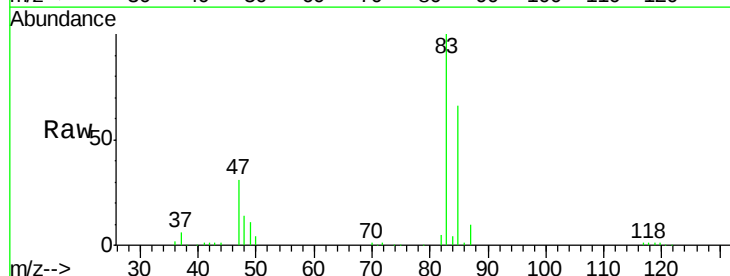
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS02

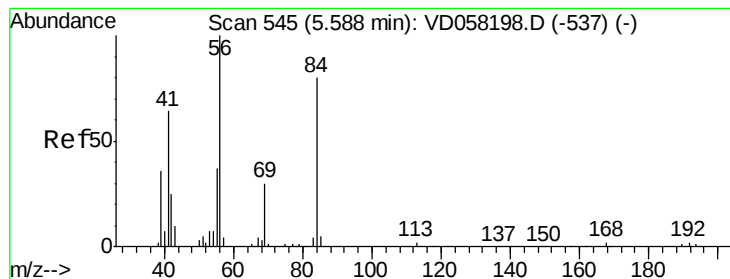
Tot Ion: 42 Resp: 158935
Ion Ratio Lower Upper
42 100
72 37.6 30.2 45.2
71 38.0 30.1 45.1



#30
Chloroform
Concen: 23.072 ug/l
RT: 5.33 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD058318.D
Acq: 23 Jun 2018 3:20

Tgt Ion: 83 Resp: 391789
Ion Ratio Lower Upper
83 100
85 65.8 54.8 82.2





#31

Cyclohexane

Concen: 22.715 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.02 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS02

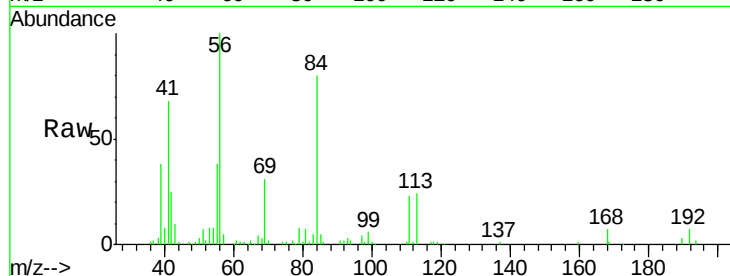
Tot Ion: 56 Resp: 298582

Ion Ratio Lower Upper

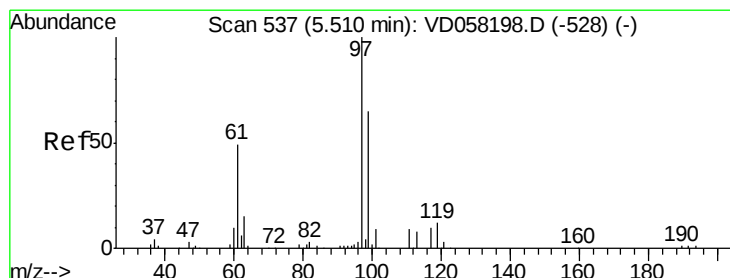
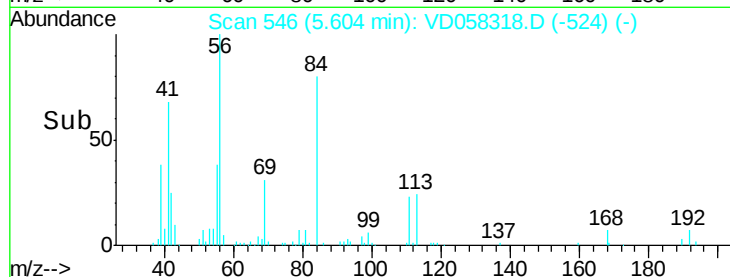
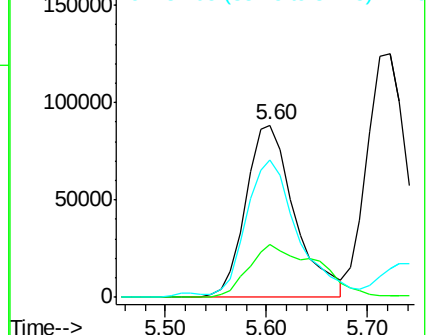
56 100

69 31.0 23.6 35.4

84 79.6 65.2 97.8



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: 21.892 ug/l

RT: 5.53 min Scan# 538

Delta R.T. 0.02 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

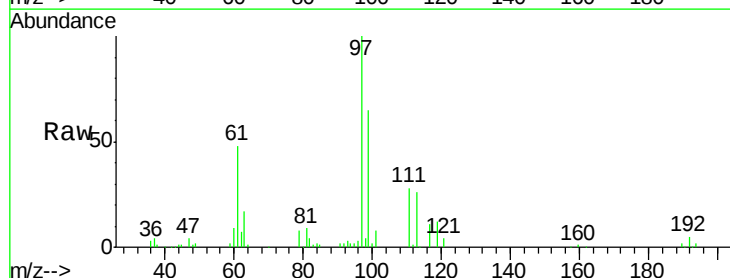
Tgt Ion: 97 Resp: 307152

Ion Ratio Lower Upper

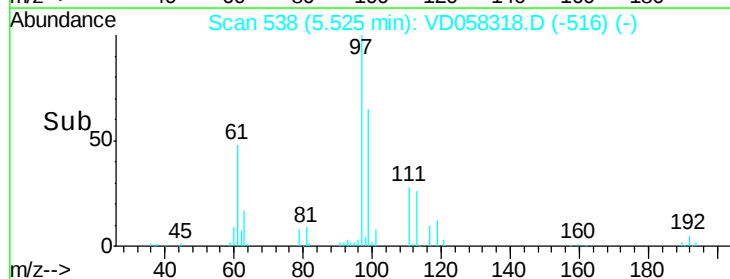
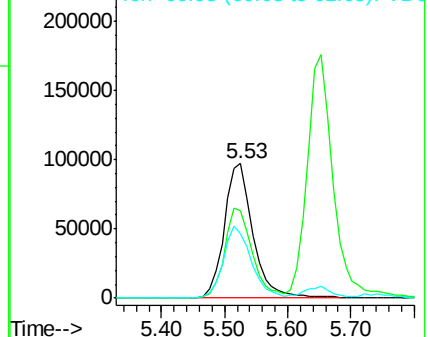
97 100

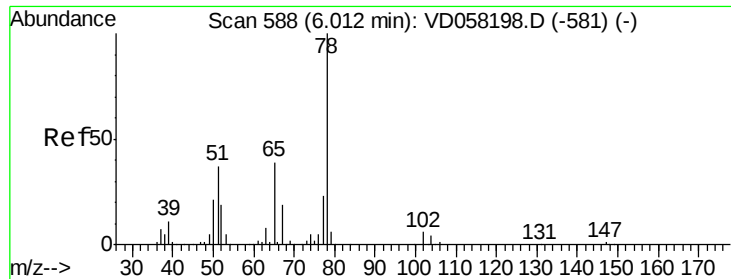
99 64.7 52.2 78.4

61 48.1 39.0 58.4



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

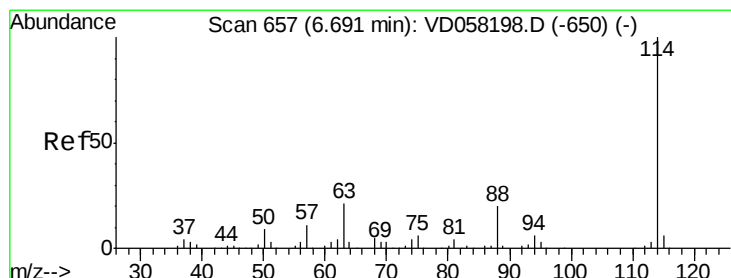
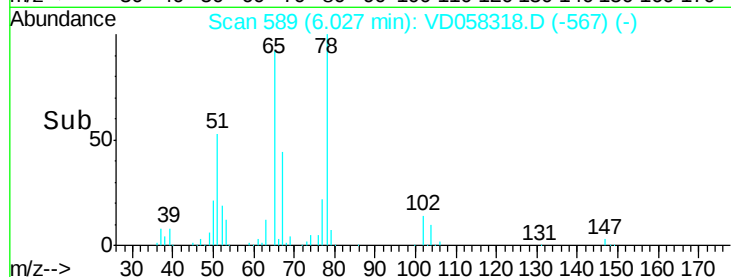
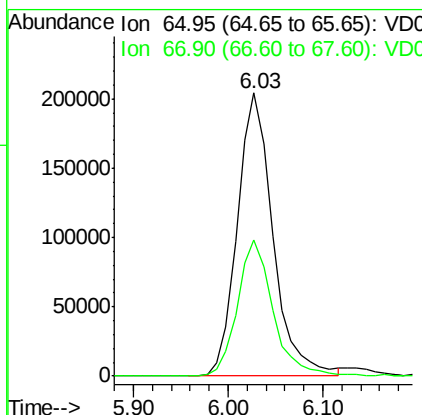
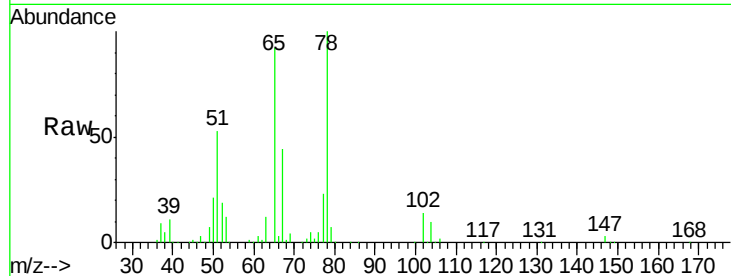




#33
 1,2-Dichloroethane-d4
 Concen: 21.892 ug/l
 RT: 6.03 min Scan# 589
 Delta R.T. 0.02 min
 Lab File: VD058318.D
 Acq: 23 Jun 2018 3:20

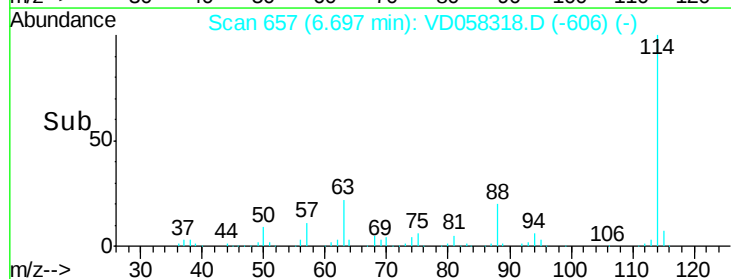
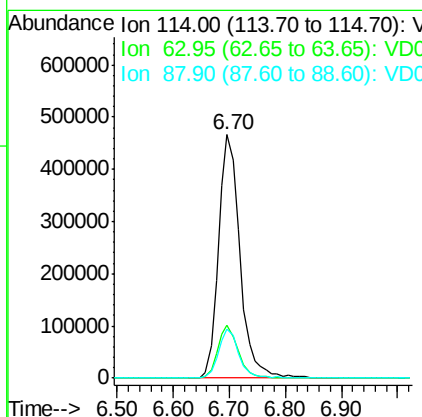
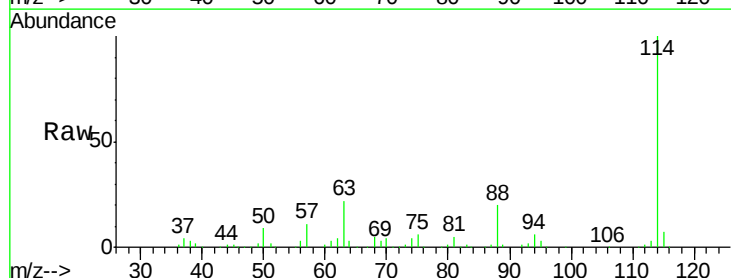
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS02

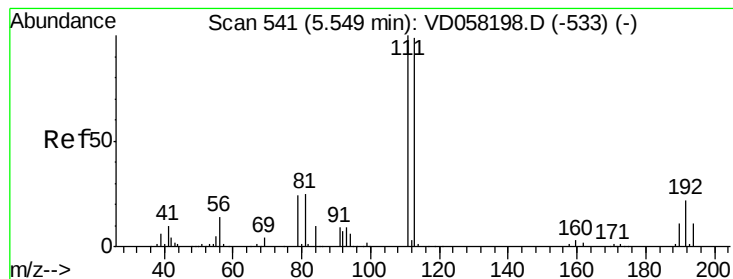
Tot Ion: 65 Resp: 533687
 Ion Ratio Lower Upper
 65 100
 67 48.1 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: VD058318.D
 Acq: 23 Jun 2018 3:20

Tgt Ion: 114 Resp: 1244438
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 42.6
 88 20.0 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. 0.01 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS02

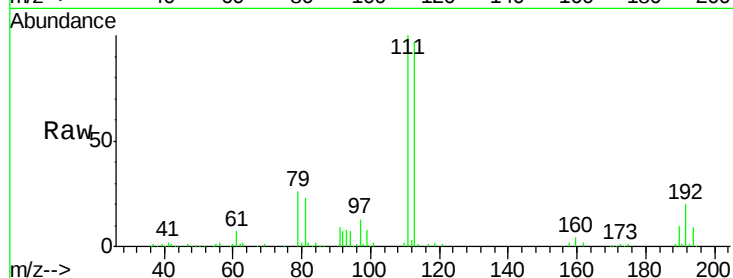
Tot Ion:113 Resp: 548636

Ion Ratio Lower Upper

113 100

111 102.7 80.6 121.0

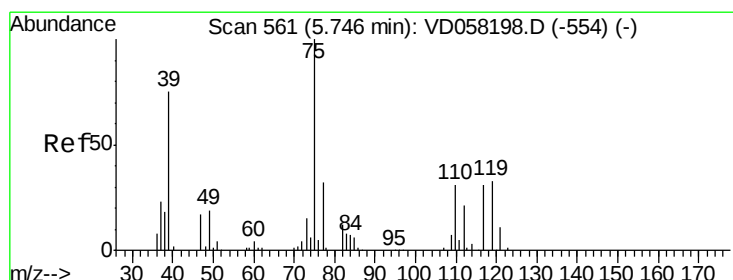
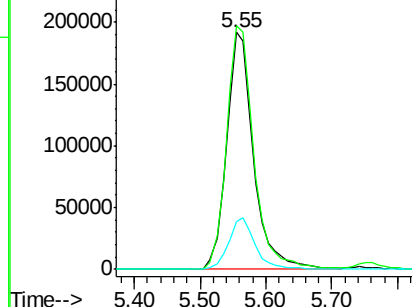
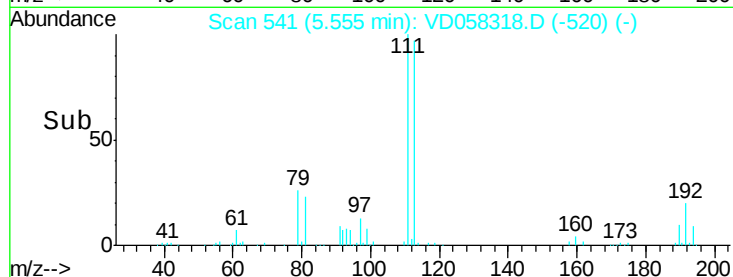
192 20.1 17.8 26.6



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: 21.971 ug/l

RT: 5.75 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

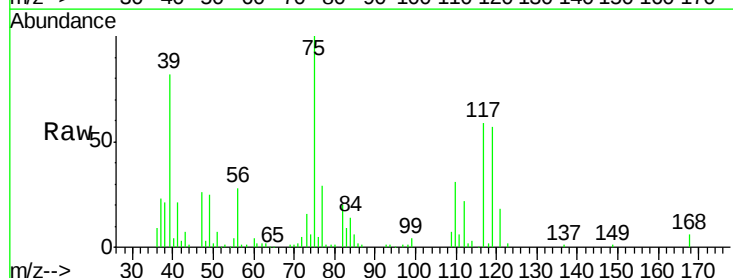
Tgt Ion: 75 Resp: 270475

Ion Ratio Lower Upper

75 100

110 31.5 15.4 46.4

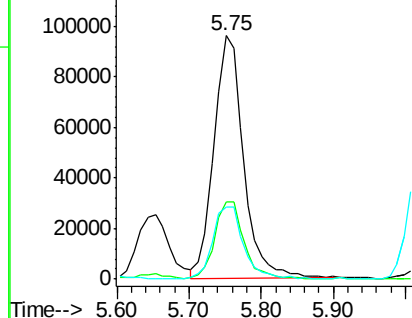
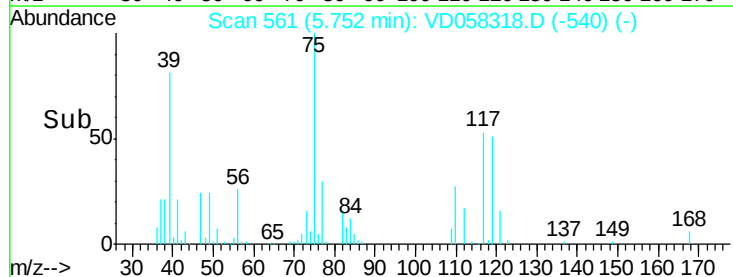
77 29.4 25.4 38.2

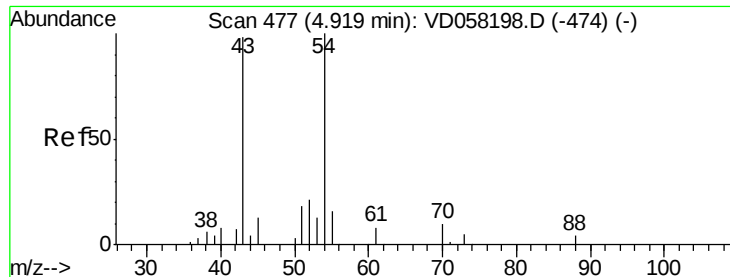


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 21.188 ug/l

RT: 4.93 min Scan# 478

Delta R.T. 0.02 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS02

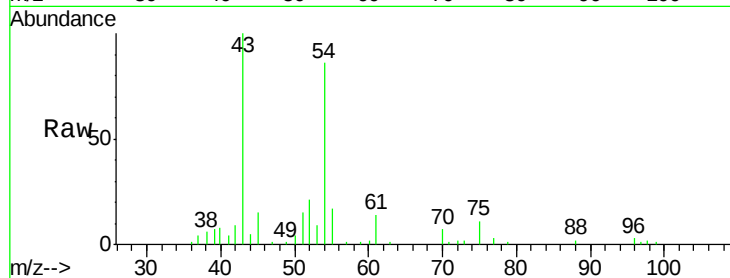
Tot Ion: 43 Resp: 148614

Ion Ratio Lower Upper

43 100

61 14.4 10.3 15.5

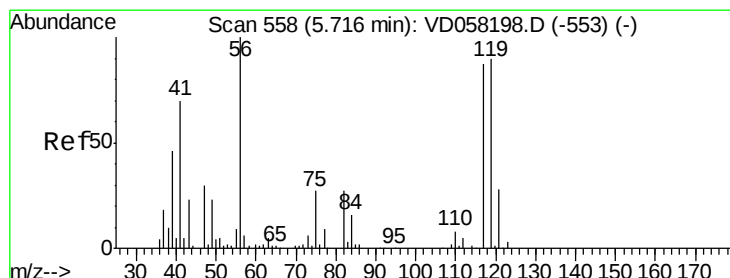
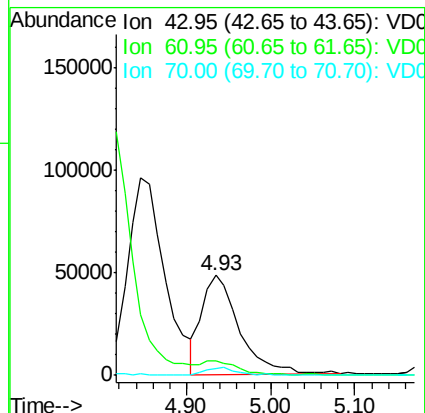
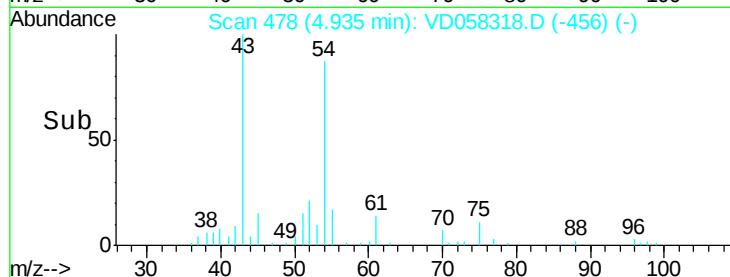
70 7.2 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 21.290 ug/l

RT: 5.73 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

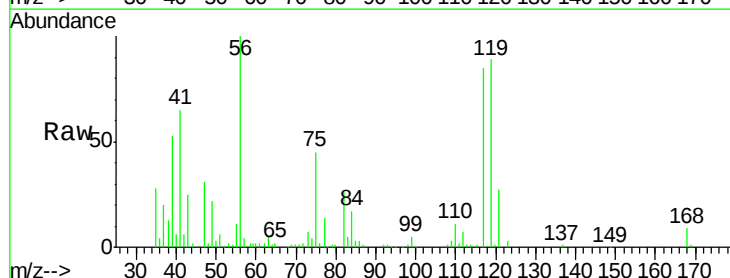
Tgt Ion: 117 Resp: 260417

Ion Ratio Lower Upper

117 100

119 105.3 78.8 118.2

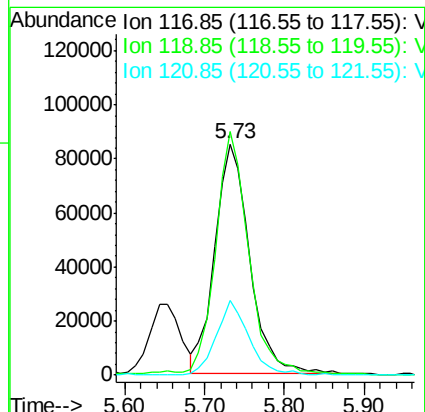
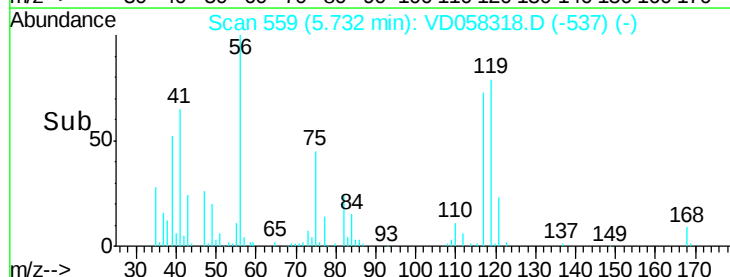
121 32.5 25.0 37.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 21.691 ug/l

RT: 7.29 min Scan# 717

Delta R.T. 0.01 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS02

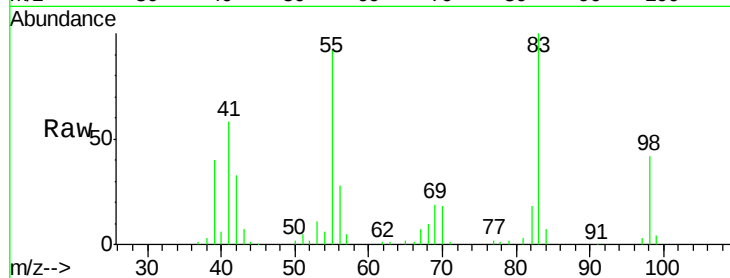
Tot Ion: 83 Resp: 260093

Ion Ratio Lower Upper

83 100

55 91.6 77.4 116.2

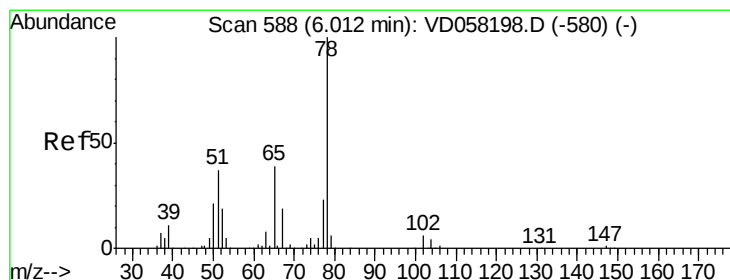
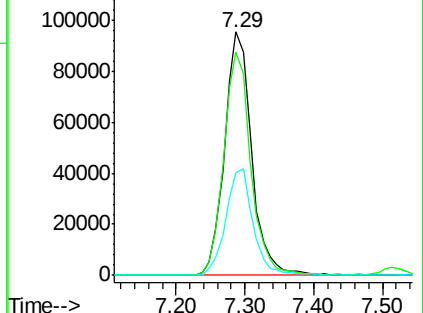
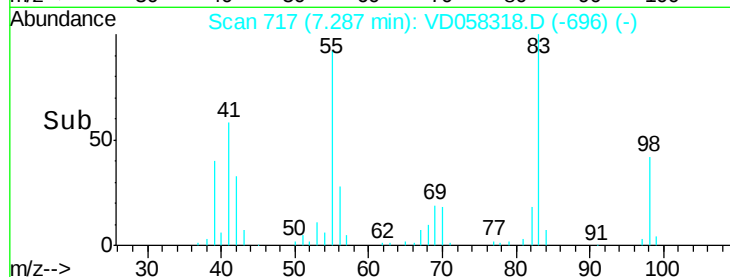
98 42.2 35.9 53.9



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 22.120 ug/l

RT: 6.03 min Scan# 589

Delta R.T. 0.02 min

Lab File: VD058318.D

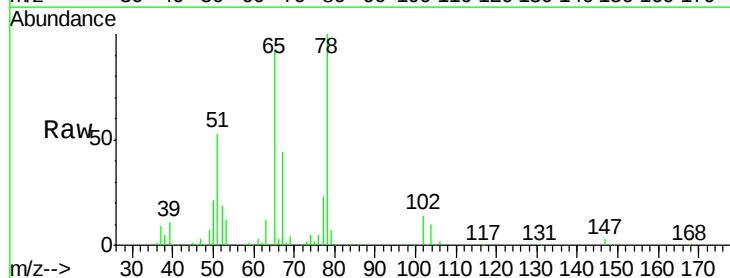
Acq: 23 Jun 2018 3:20

Tgt Ion: 78 Resp: 648670

Ion Ratio Lower Upper

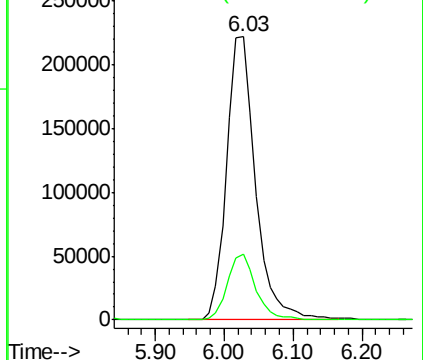
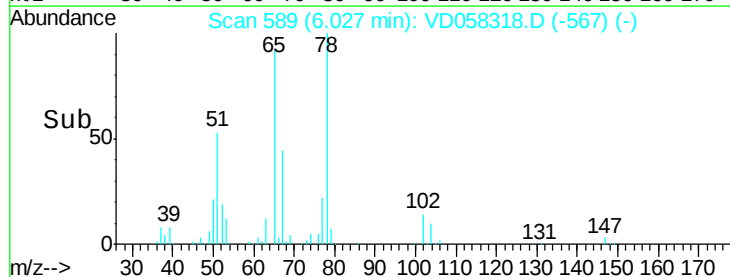
78 100

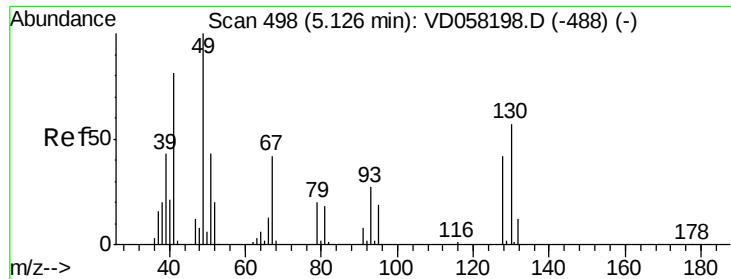
77 23.0 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

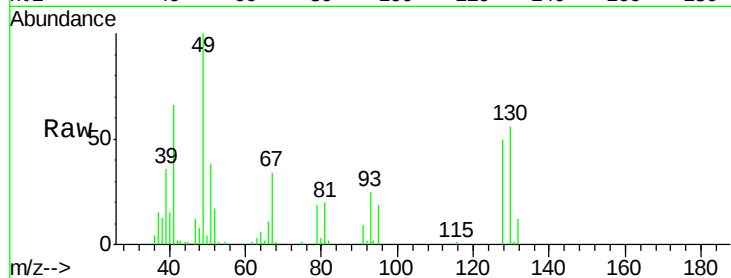




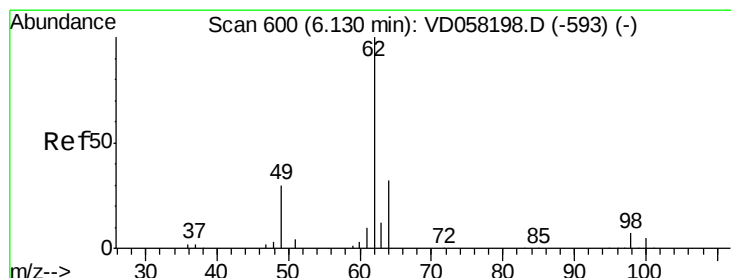
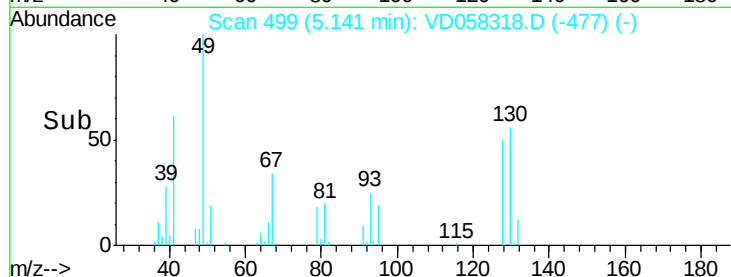
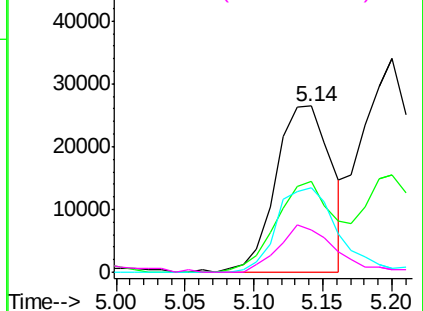
#41
Methacrylonitrile
Concen: 21.938 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.02 min
Lab File: VD058318.D
Acq: 23 Jun 2018 3:20

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS02

Tot Ion: 41 Resp: 74303
Ion Ratio Lower Upper
41 100
39 54.5 43.4 65.2
67 51.1 41.7 62.5
52 25.3 20.6 30.8

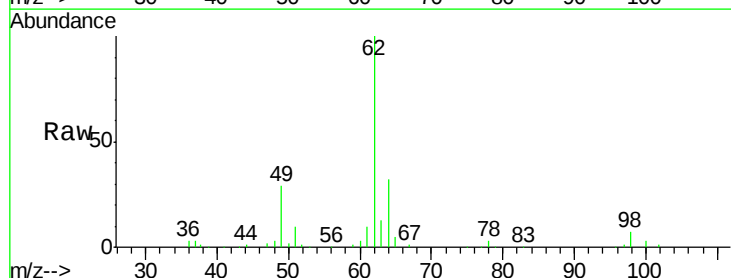


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

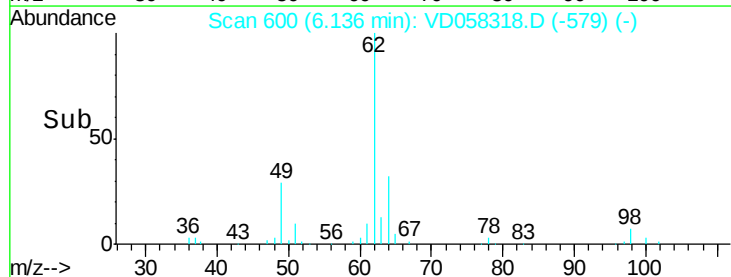
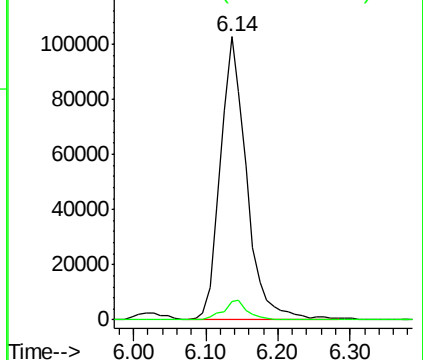


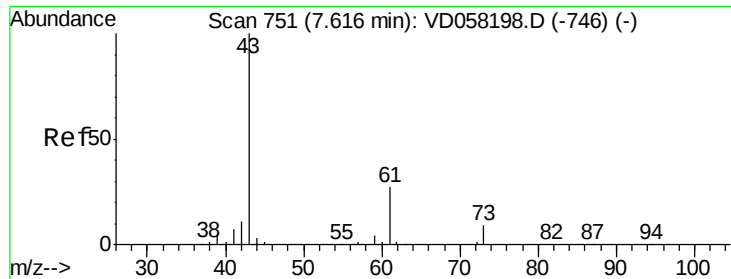
#42
1,2-Dichloroethane
Concen: 21.880 ug/l
RT: 6.14 min Scan# 600
Delta R.T. 0.01 min
Lab File: VD058318.D
Acq: 23 Jun 2018 3:20

Tgt Ion: 62 Resp: 258720
Ion Ratio Lower Upper
62 100
98 6.5 0.0 13.2



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 20.121 ug/l

RT: 7.62 min Scan# 751

Delta R.T. 0.01 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS02

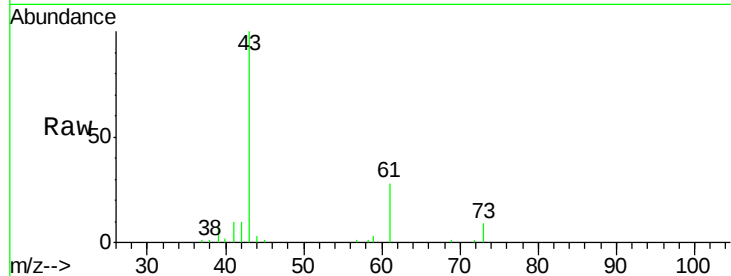
Tot Ion: 43 Resp: 188160

Ion Ratio Lower Upper

43 100

61 28.0 21.8 32.6

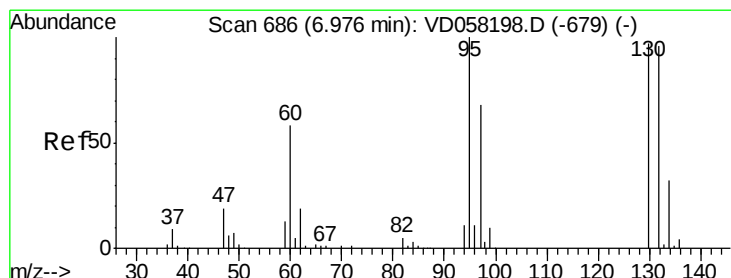
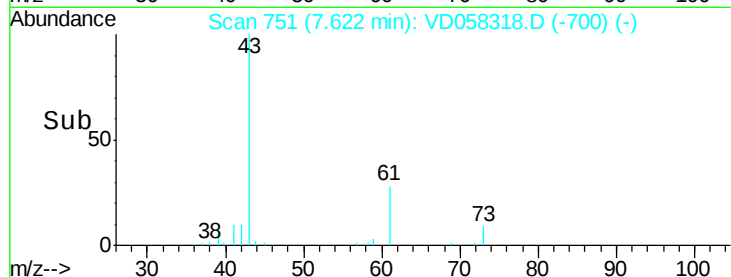
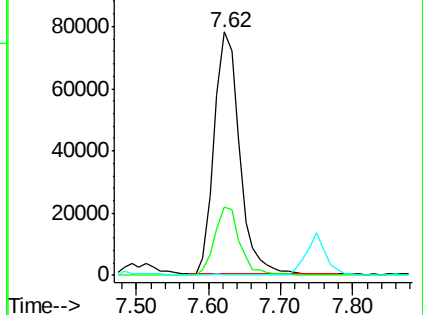
87 0.0 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 22.303 ug/l

RT: 6.99 min Scan# 687

Delta R.T. 0.02 min

Lab File: VD058318.D

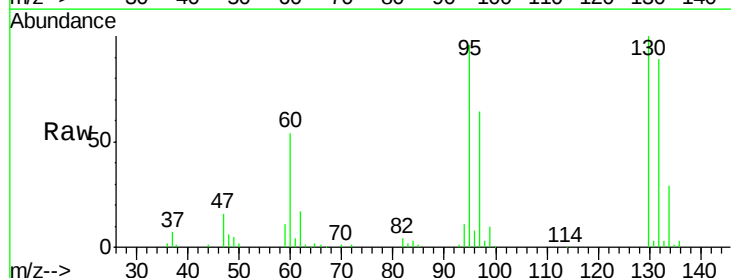
Acq: 23 Jun 2018 3:20

Tgt Ion:130 Resp: 196396

Ion Ratio Lower Upper

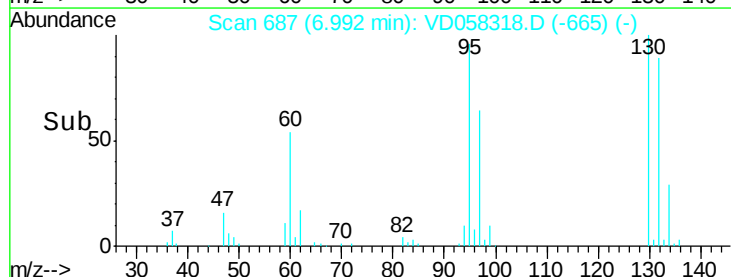
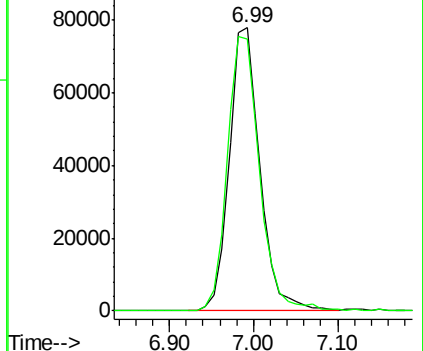
130 100

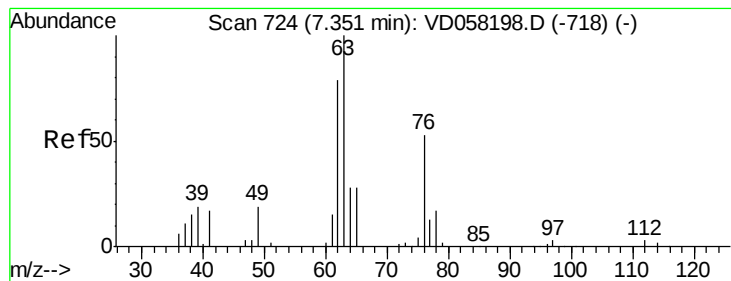
95 96.2 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.513 ug/l

RT: 7.36 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

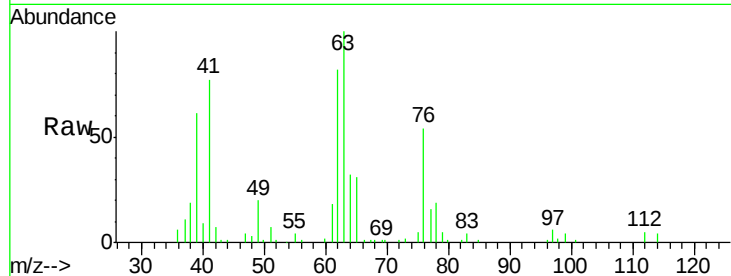
VD0622SBS02

Tot Ion: 63 Resp: 162005

Ion Ratio Lower Upper

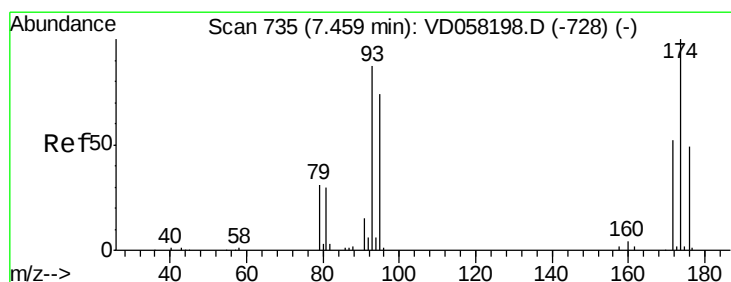
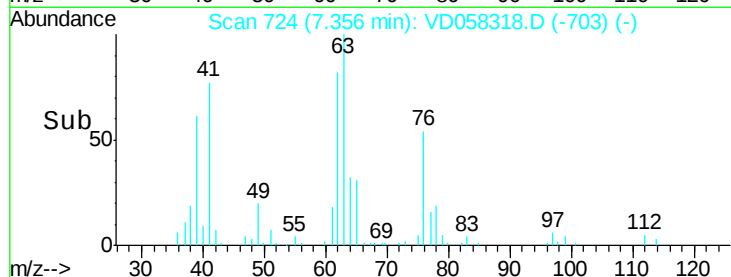
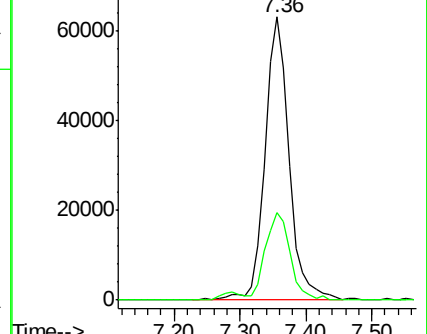
63 100

65 30.7 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.879 ug/l

RT: 7.46 min Scan# 735

Delta R.T. 0.01 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

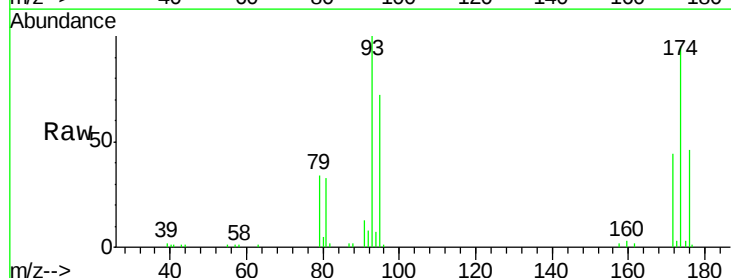
Tgt Ion: 93 Resp: 117960

Ion Ratio Lower Upper

93 100

95 71.9 67.8 101.6

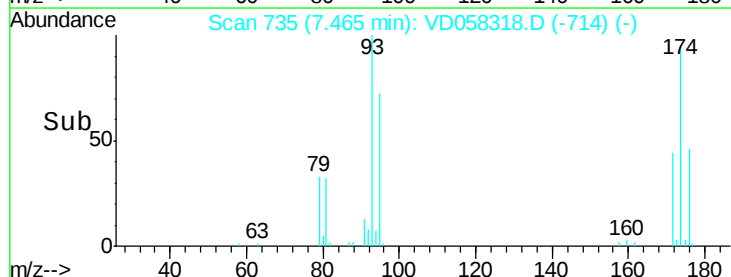
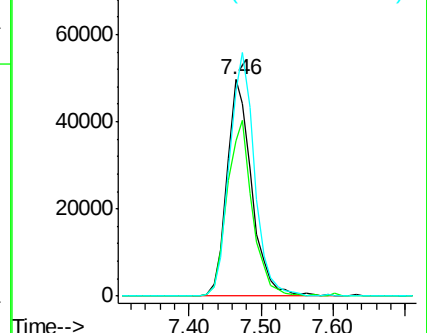
174 94.8 92.2 138.2

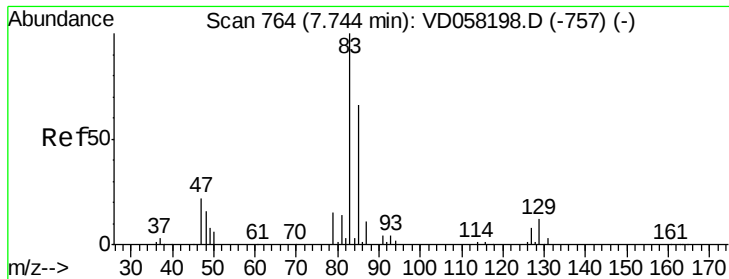


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.826 ug/l

RT: 7.75 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS02

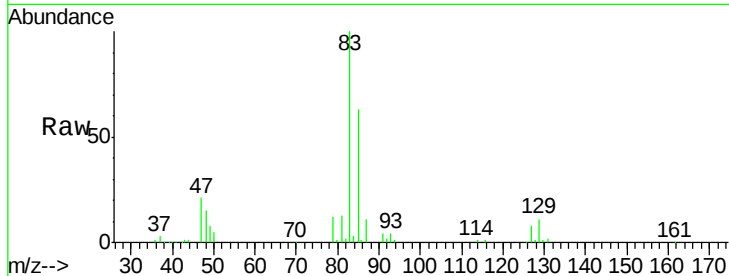
Tot Ion: 83 Resp: 268336

Ion Ratio Lower Upper

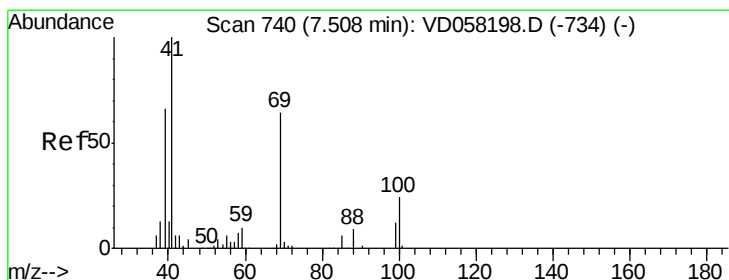
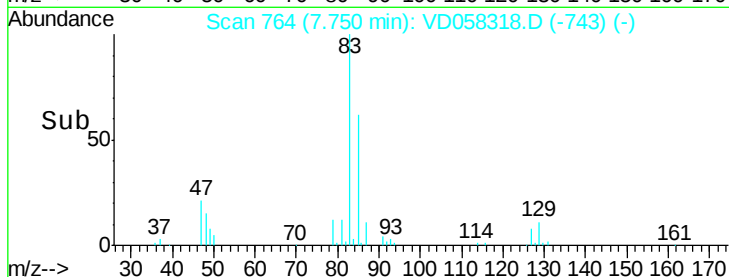
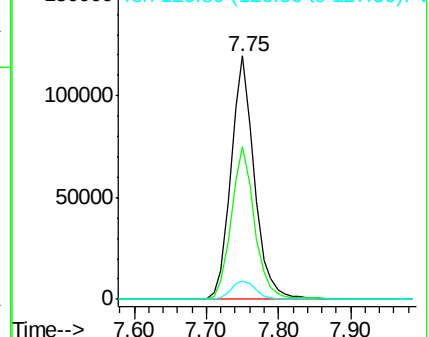
83 100

85 62.6 52.6 78.8

127 7.7 6.2 9.4



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: 21.119 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

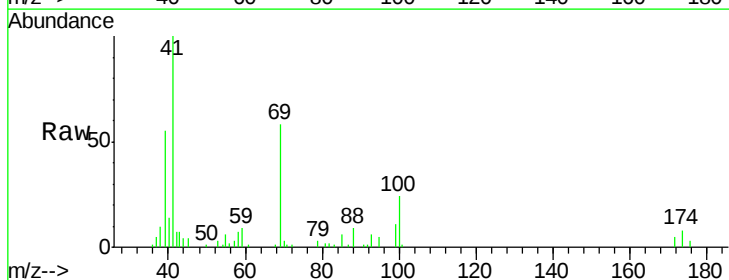
Tgt Ion: 41 Resp: 120031

Ion Ratio Lower Upper

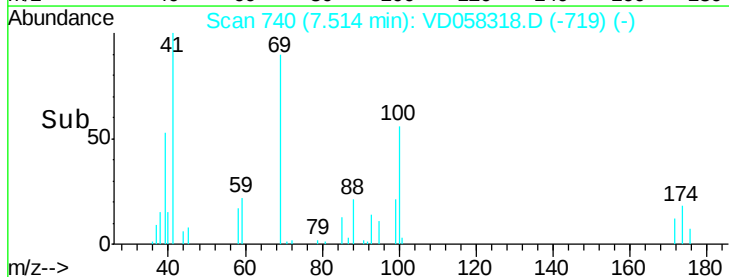
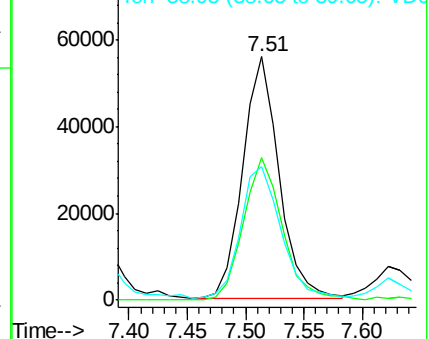
41 100

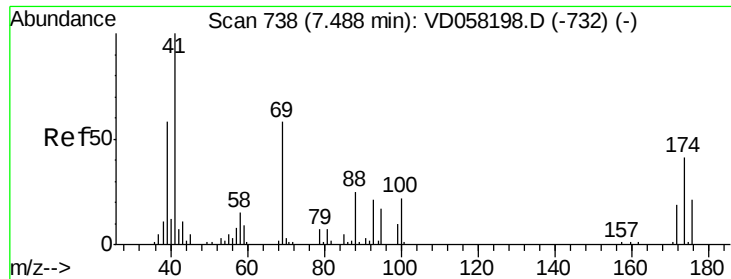
69 58.3 50.7 76.1

39 54.9 52.6 78.8



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: 418.353 ug/l

RT: 7.50 min Scan# 739

Delta R.T. 0.02 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS02

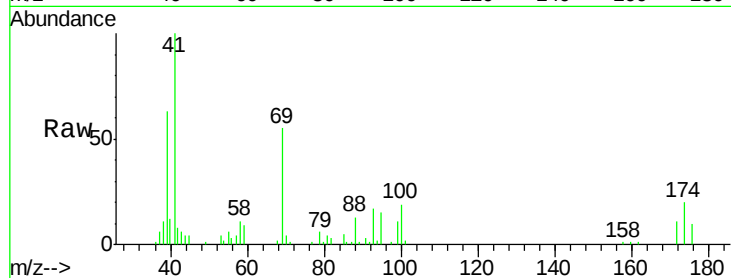
Tot Ion: 88 Resp: 21463

Ion Ratio Lower Upper

88 100

43 44.9 34.2 51.2

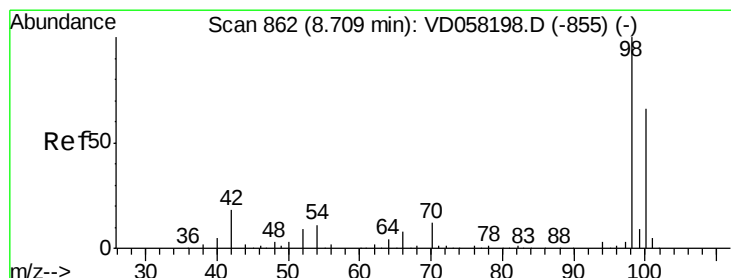
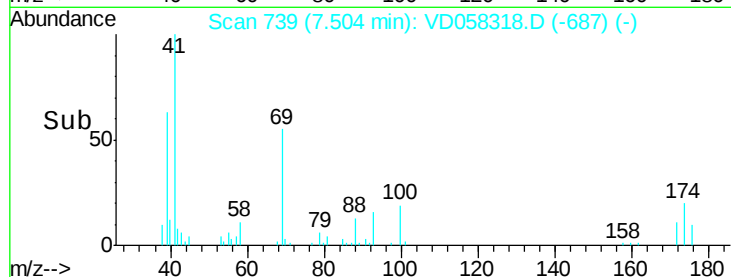
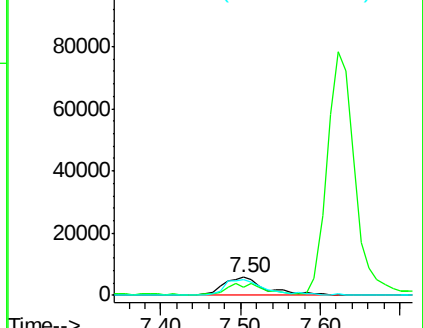
58 88.8 47.9 71.9#



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: 418.353 ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.01 min

Lab File: VD058318.D

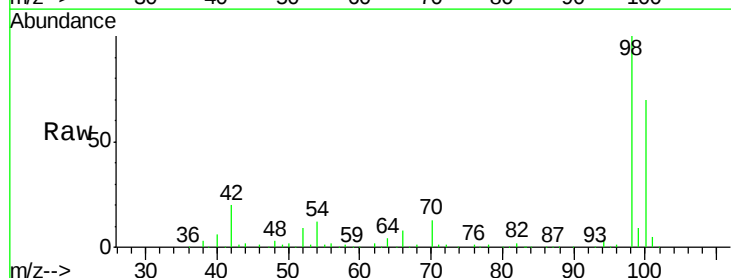
Acq: 23 Jun 2018 3:20

Tgt Ion: 98 Resp: 1238795

Ion Ratio Lower Upper

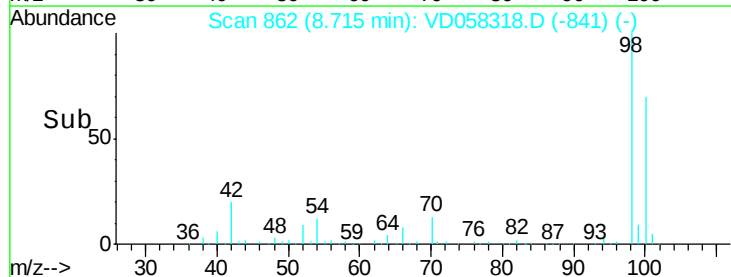
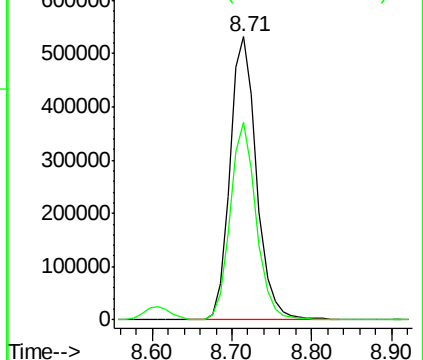
98 100

100 69.9 53.6 80.4



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: 107.352 ug/l

RT: 8.61 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

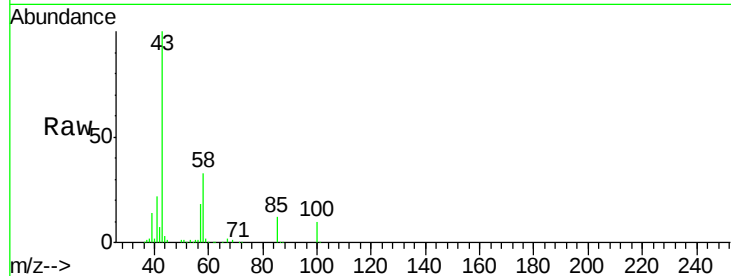
VD0622SBS02

Tot Ion: 43 Resp: 654807

Ion Ratio Lower Upper

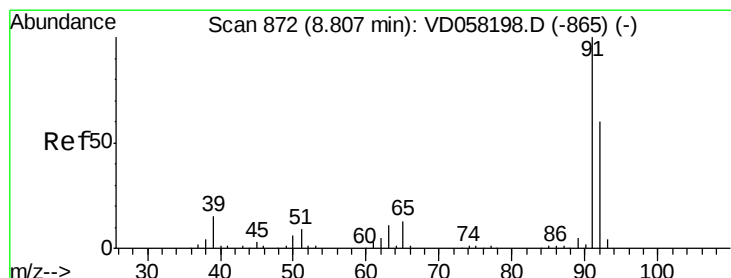
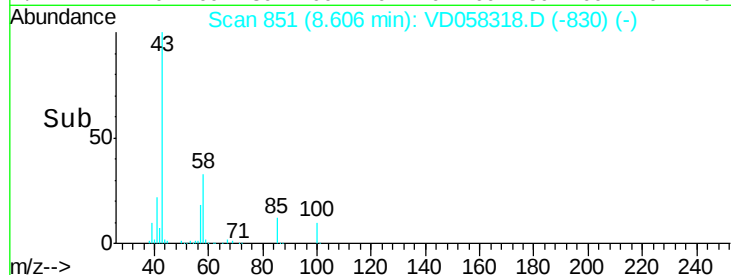
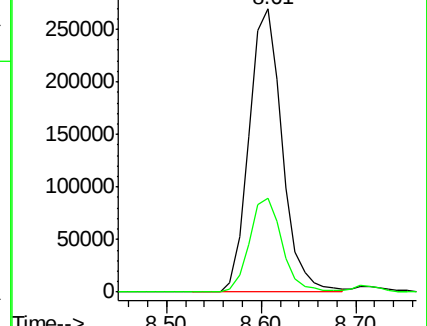
43 100

58 33.3 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.002 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.01 min

Lab File: VD058318.D

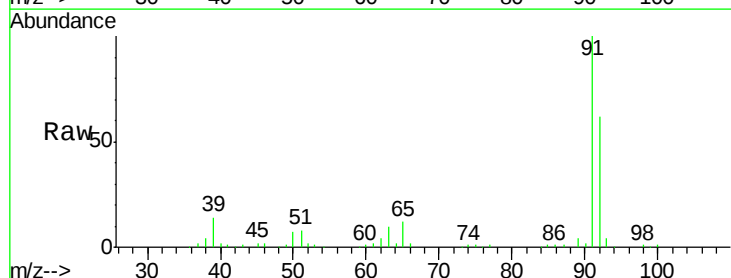
Acq: 23 Jun 2018 3:20

Tgt Ion: 92 Resp: 367389

Ion Ratio Lower Upper

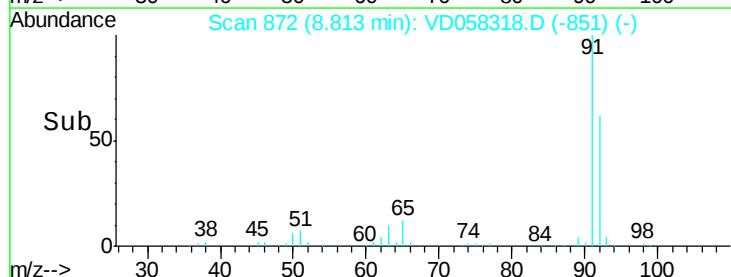
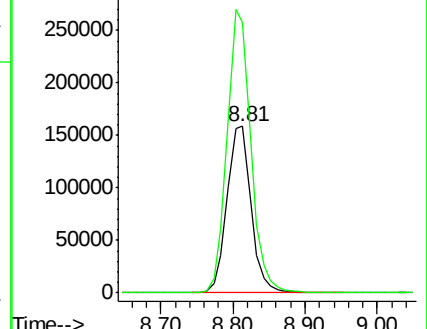
92 100

91 162.4 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.869 ug/l

RT: 9.20 min Scan# 911

Delta R.T. 0.01 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

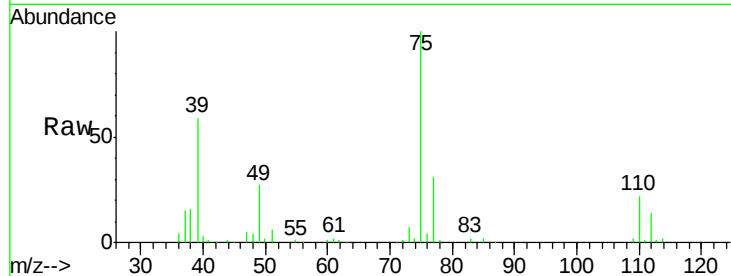
VD0622SBS02

Tot Ion: 75 Resp: 223072

Ion Ratio Lower Upper

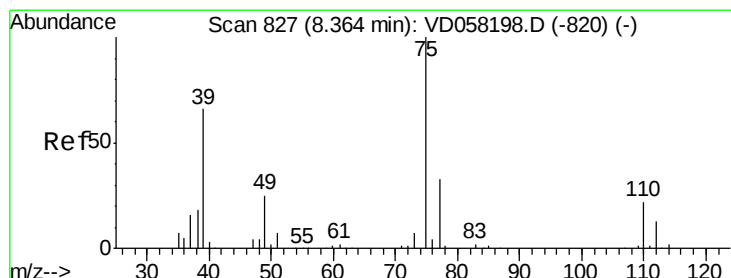
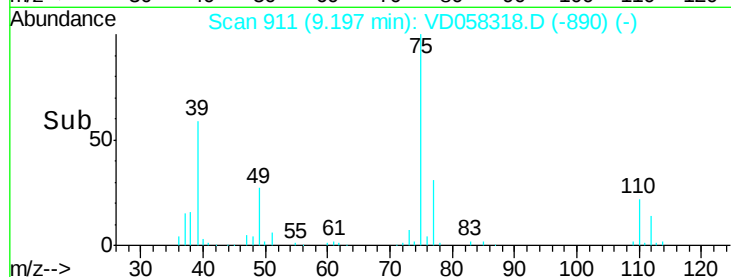
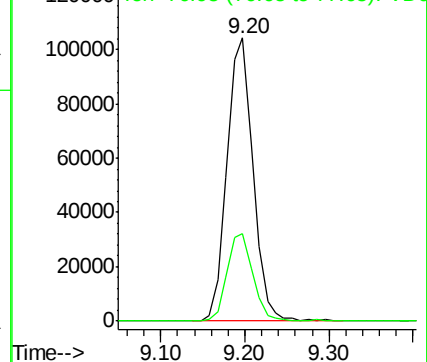
75 100

77 30.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.064 ug/l

RT: 8.37 min Scan# 827

Delta R.T. 0.01 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

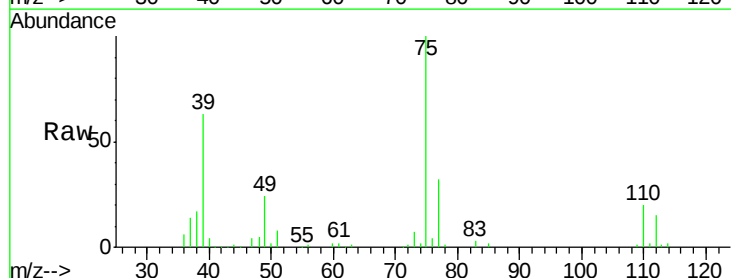
Tgt Ion: 75 Resp: 263960

Ion Ratio Lower Upper

75 100

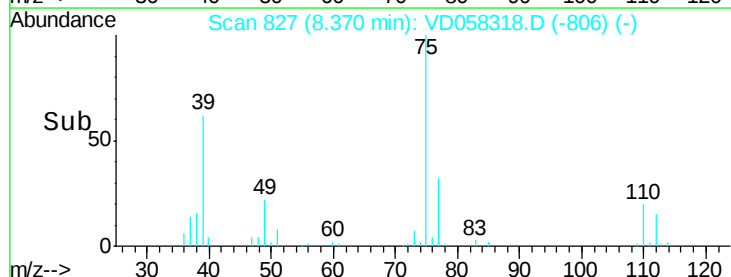
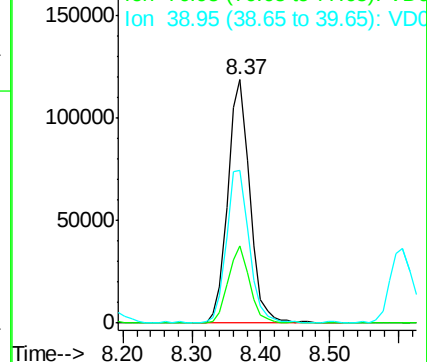
77 31.9 26.5 39.7

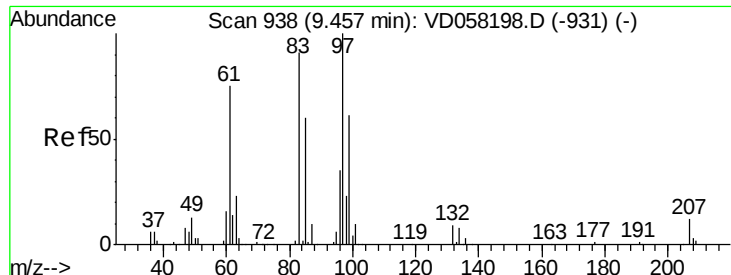
39 62.9 52.9 79.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

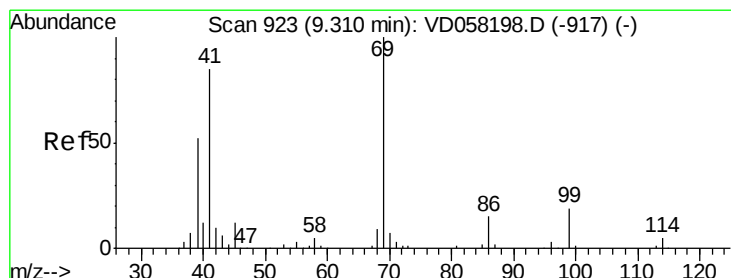
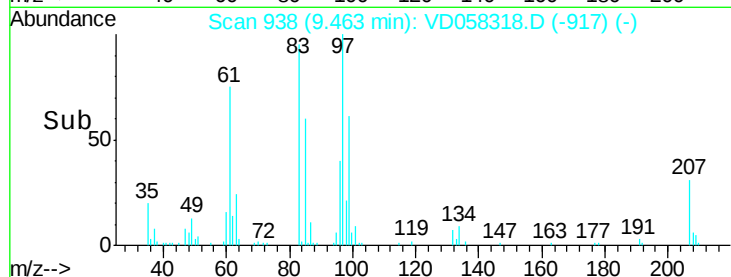
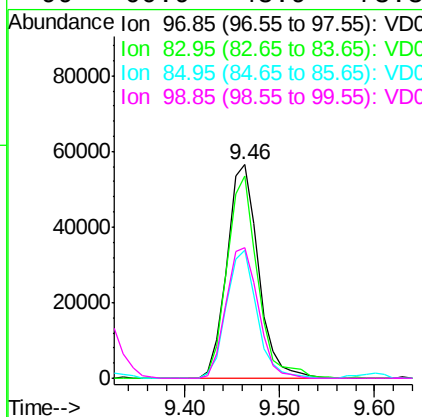
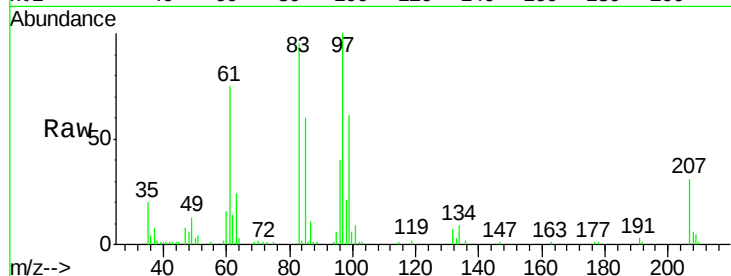




#55
 1,1,2-Trichloroethane
 Concen: 22.122 ug/l
 RT: 9.46 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VD058318.D
 Acq: 23 Jun 2018 3:20

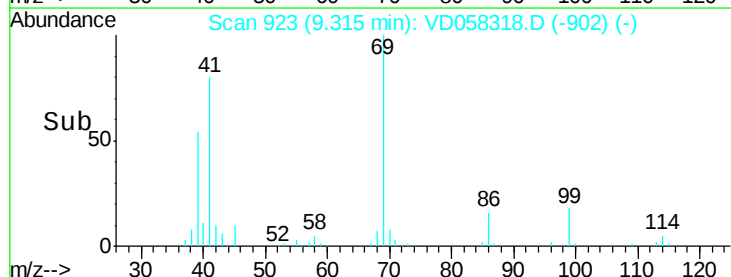
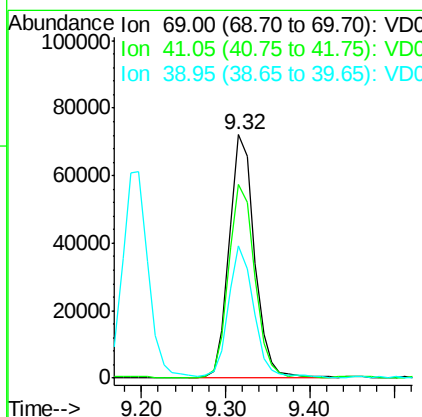
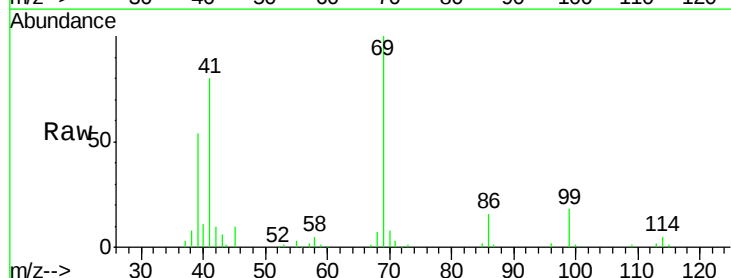
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS02

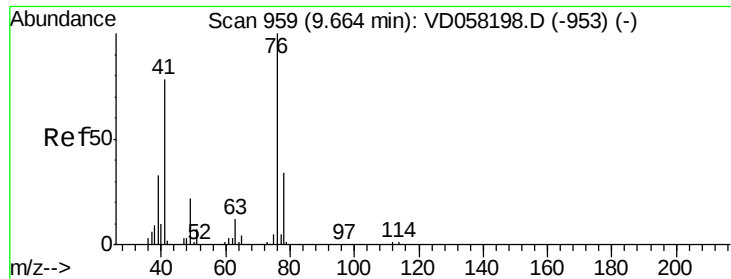
Tot Ion:	97	Resp:	130696
Ion	Ratio	Lower	Upper
97	100		
83	94.8	72.9	109.3
85	60.0	48.2	72.4
99	60.9	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 21.533 ug/l
 RT: 9.32 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VD058318.D
 Acq: 23 Jun 2018 3:20

Tgt Ion:	69	Resp:	152143
Ion	Ratio	Lower	Upper
69	100		
41	79.7	67.6	101.4
39	54.4	42.2	63.2





#57

1,3-Dichloropropane

Concen: 22.150 ug/l

RT: 9.67 min Scan# 959

Delta R.T. 0.01 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

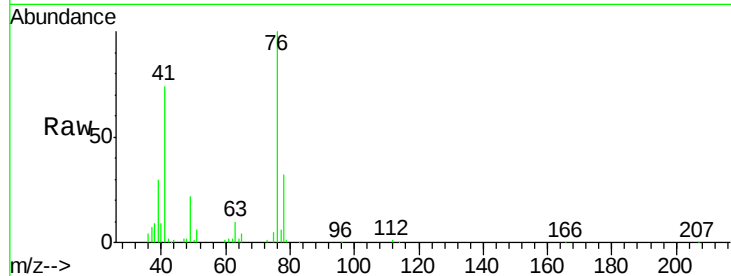
VD0622SBS02

Tot Ion: 76 Resp: 220431

Ion Ratio Lower Upper

76 100

78 31.6 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

120000

100000

80000

60000

40000

20000

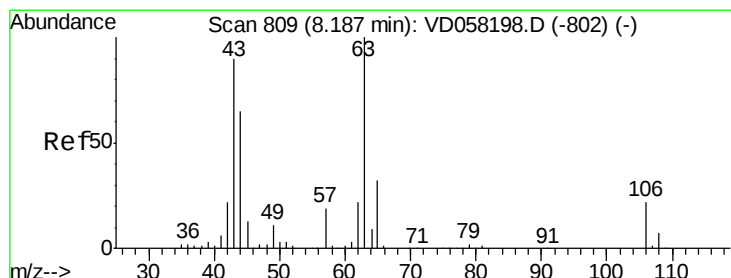
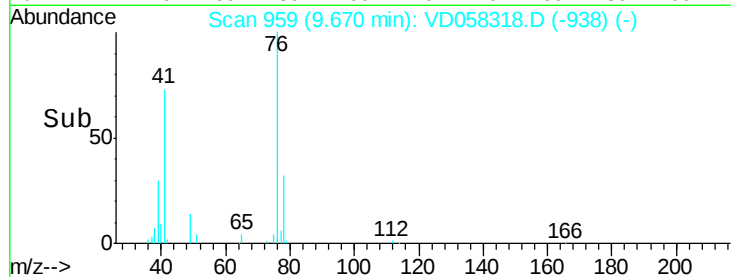
0

9.60

9.70

9.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 112.468 ug/l

RT: 8.19 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD058318.D

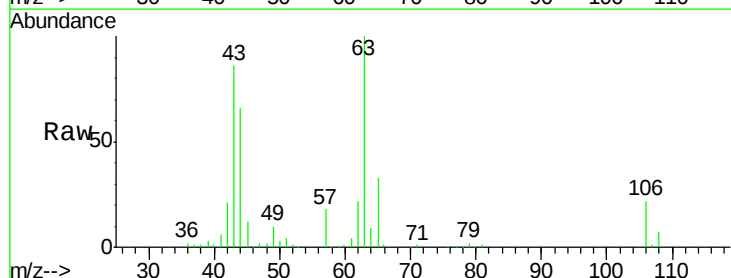
Acq: 23 Jun 2018 3:20

Tgt Ion: 63 Resp: 393386

Ion Ratio Lower Upper

63 100

106 22.4 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

200000

150000

100000

50000

0

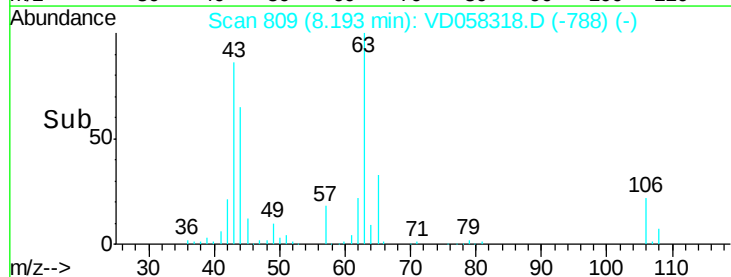
8.10

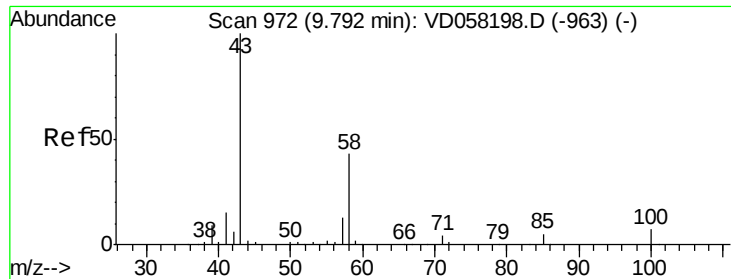
8.20

8.30

8.40

Time-->





#59

2-Hexanone

Concen: 104.713 ug/l

RT: 9.79 min Scan# 971

Delta R.T. -0.00 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

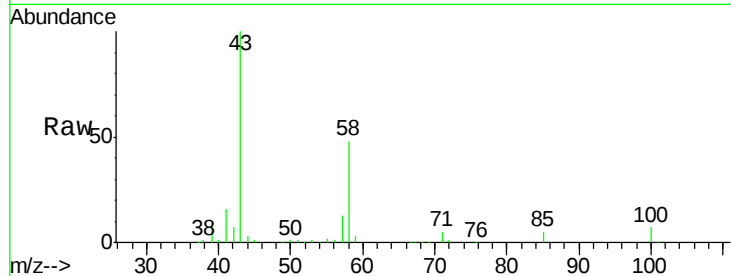
VD0622SBS02

Tot Ion: 43 Resp: 461520

Ion Ratio Lower Upper

43 100

58 47.5 21.7 65.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.79

200000

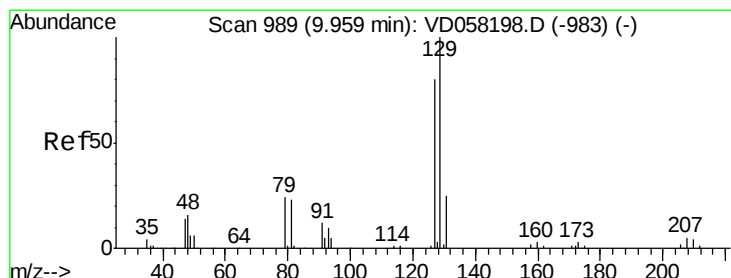
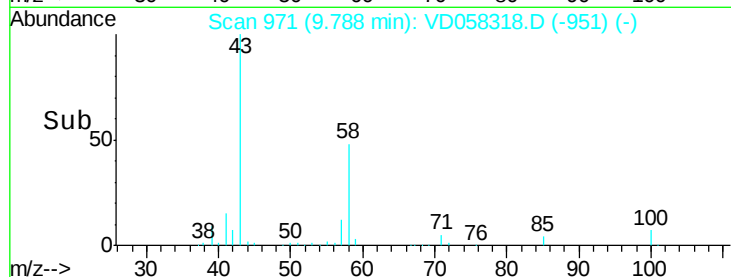
150000

100000

50000

0

Time--> 9.60 9.70 9.80 9.90



#60

Dibromochloromethane

Concen: 21.065 ug/l

RT: 9.96 min Scan# 989

Delta R.T. 0.01 min

Lab File: VD058318.D

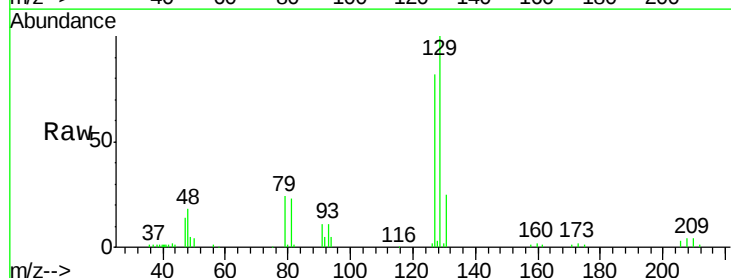
Acq: 23 Jun 2018 3:20

Tgt Ion:129 Resp: 168894

Ion Ratio Lower Upper

129 100

127 81.9 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.96

80000

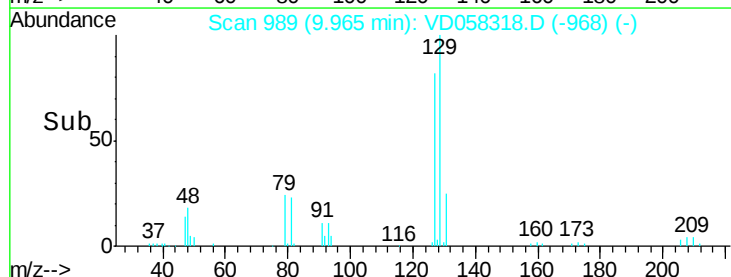
60000

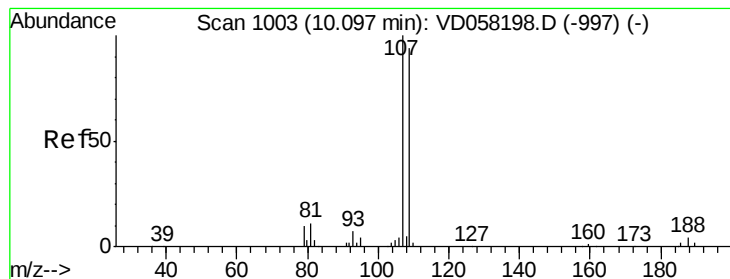
40000

20000

0

Time--> 9.90 10.00 10.10





#61

1,2-Dibromoethane

Concen: 21.646 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

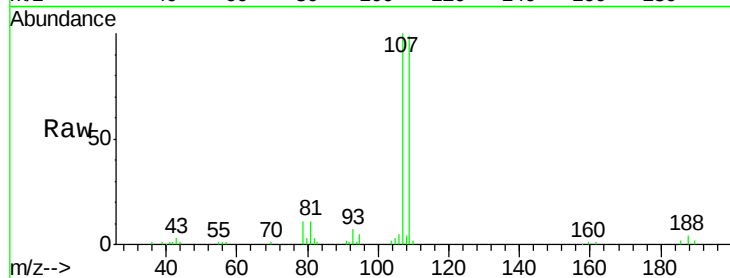
VD0622SBS02

Tot Ion:107 Resp: 139969

Ion Ratio Lower Upper

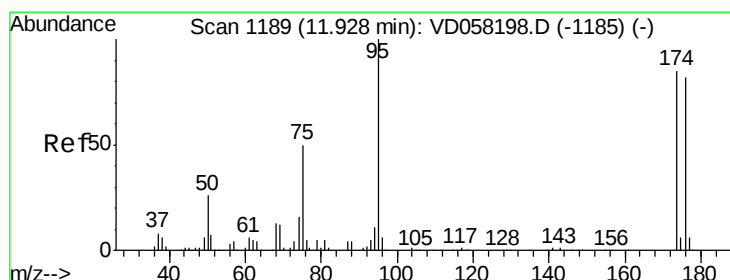
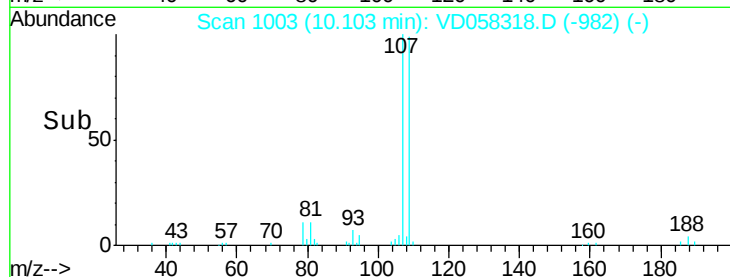
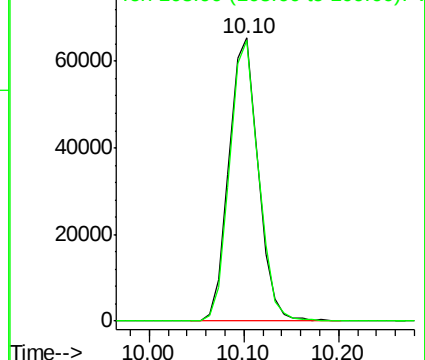
107 100

109 99.4 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 21.646 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

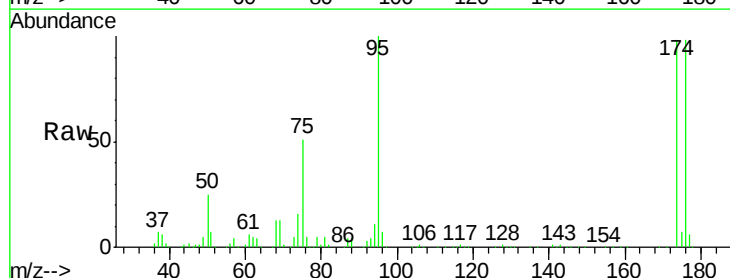
Tgt Ion: 95 Resp: 507017

Ion Ratio Lower Upper

95 100

174 98.0 0.0 170.2

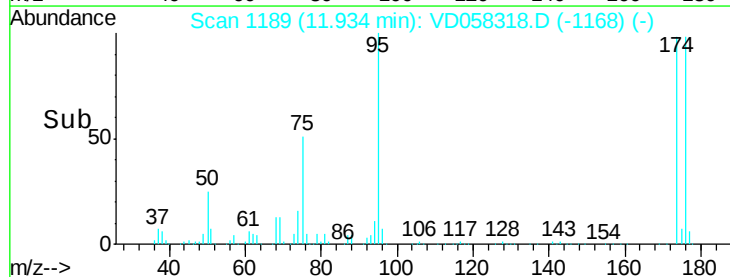
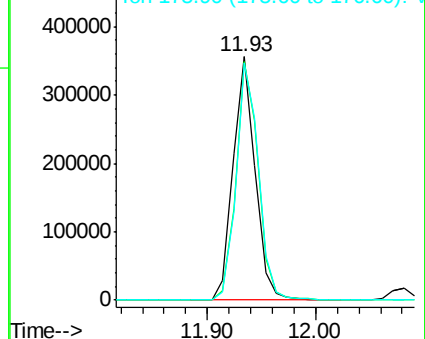
176 97.7 0.0 164.6

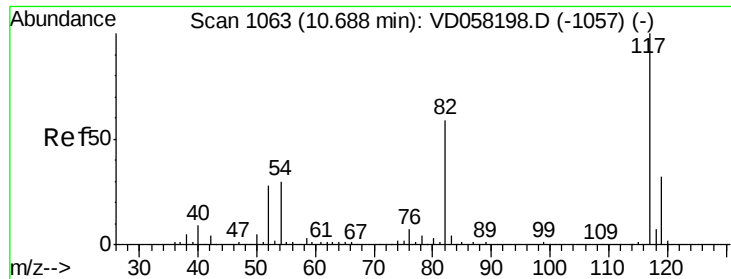


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

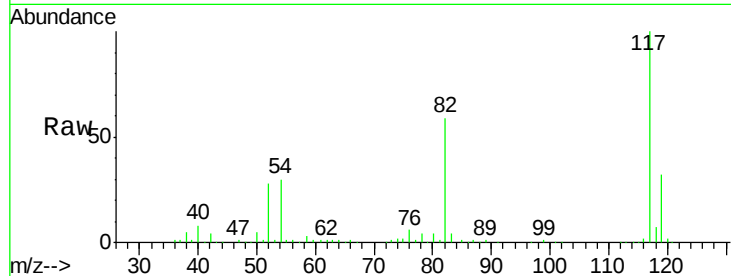




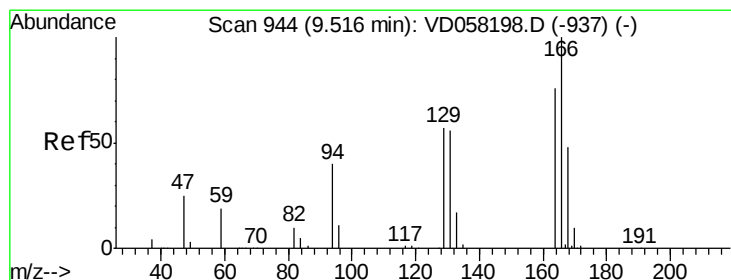
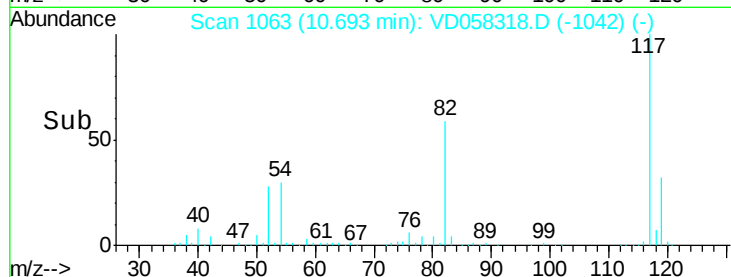
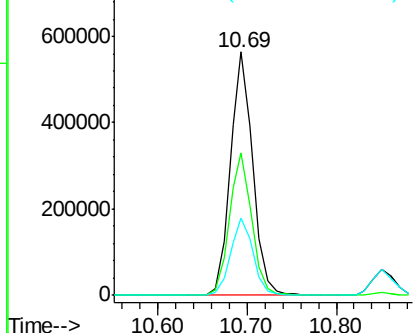
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.01 min
Lab File: VD058318.D
Acq: 23 Jun 2018 3:20

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS02

Tot Ion:117 Resp: 993765
Ion Ratio Lower Upper
117 100
82 58.5 47.0 70.6
119 31.6 25.3 37.9

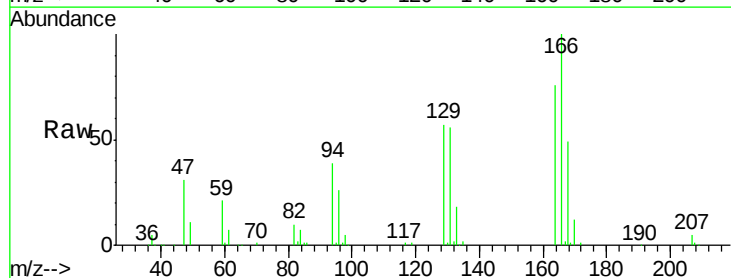


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

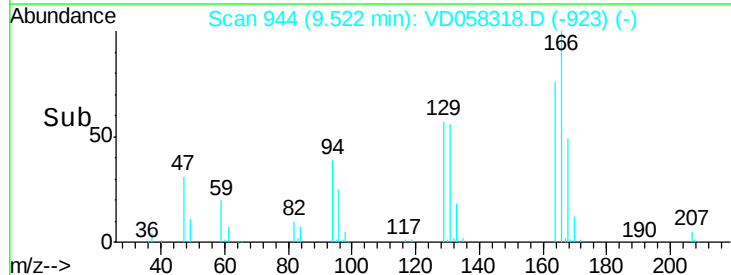
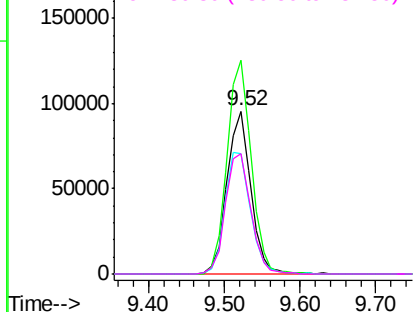


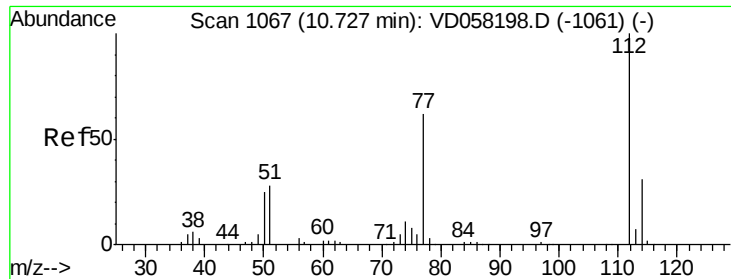
#64
Tetrachloroethene
Concen: 24.782 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.01 min
Lab File: VD058318.D
Acq: 23 Jun 2018 3:20

Tgt Ion:164 Resp: 207218
Ion Ratio Lower Upper
164 100
166 131.0 105.4 158.0
129 74.1 59.6 89.4
131 74.0 59.4 89.2



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





#65

Chlorobenzene

Concen: 22.236 ug/l

RT: 10.72 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

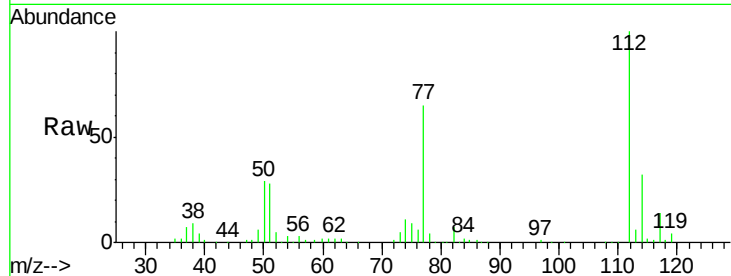
VD0622SBS02

Tot Ion:112 Resp: 413345

Ion Ratio Lower Upper

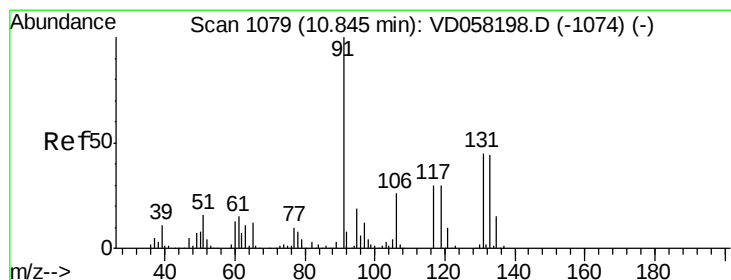
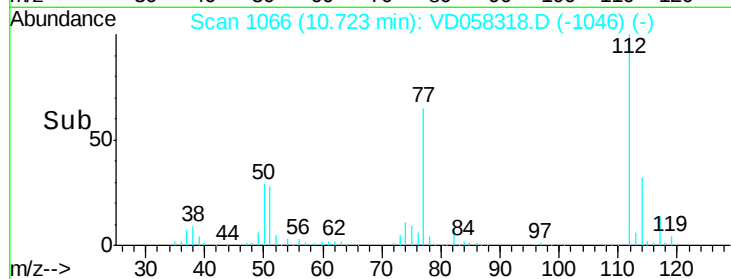
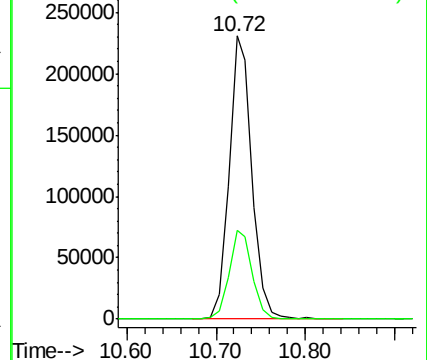
112 100

114 31.5 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.992 ug/l

RT: 10.85 min Scan# 1079

Delta R.T. 0.01 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

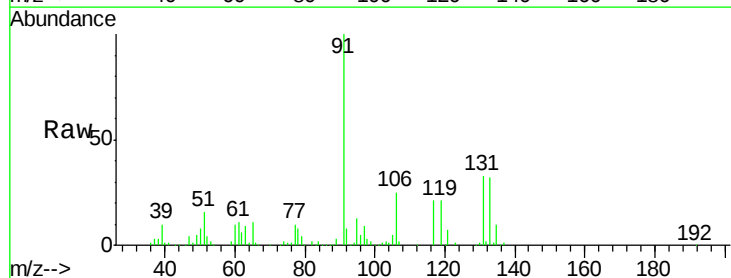
Tgt Ion:131 Resp: 157764

Ion Ratio Lower Upper

131 100

133 95.6 48.6 145.9

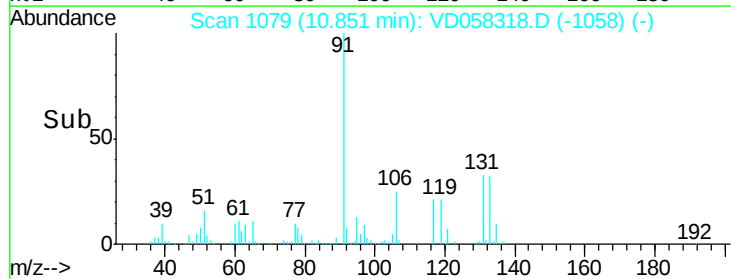
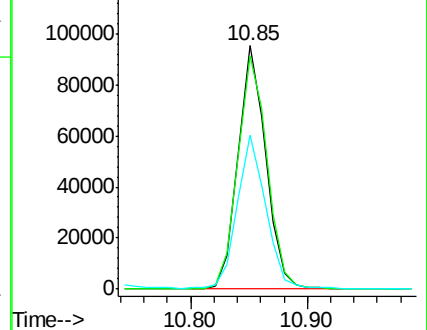
119 63.3 33.0 99.0



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

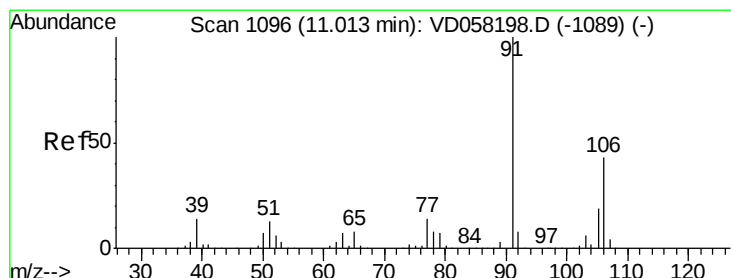
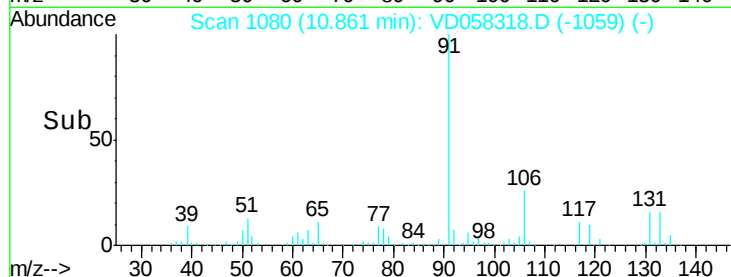
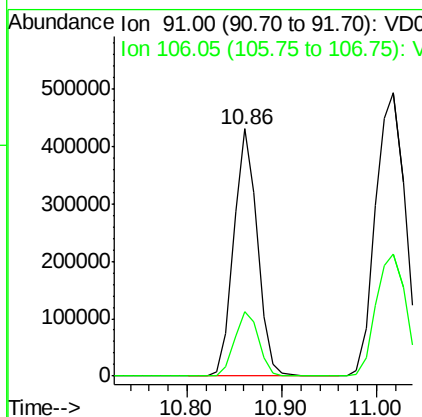
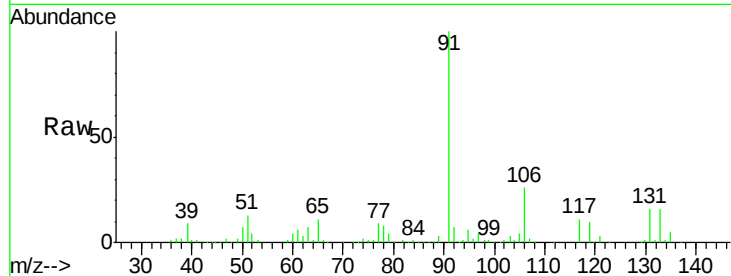




#67
Ethyl Benzene
Concen: 22.628 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058318.D
Acq: 23 Jun 2018 3:20

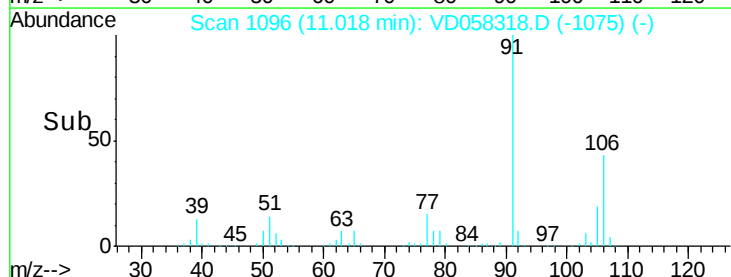
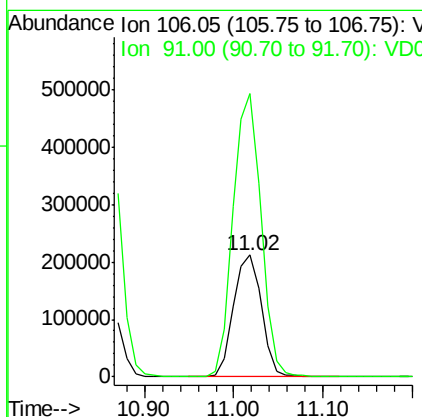
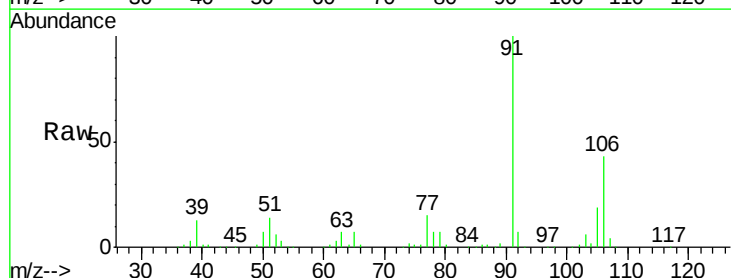
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS02

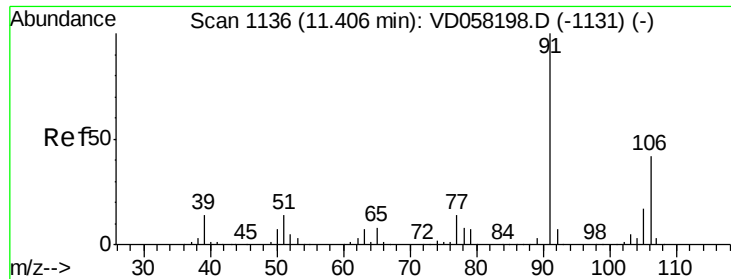
Tot Ion: 91 Resp: 742590
Ion Ratio Lower Upper
91 100
106 26.0 22.0 33.0



#68
m/p-Xylenes
Concen: 42.712 ug/l
RT: 11.02 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VD058318.D
Acq: 23 Jun 2018 3:20

Tgt Ion: 106 Resp: 467434
Ion Ratio Lower Upper
106 100
91 232.7 185.0 277.6

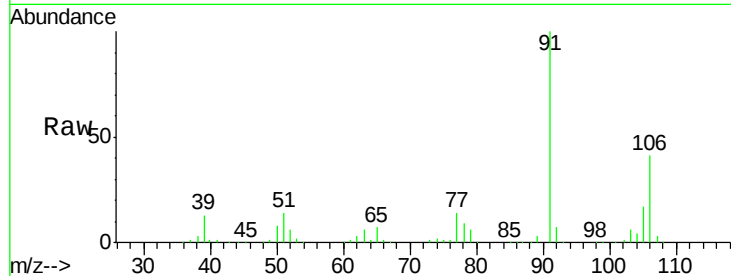




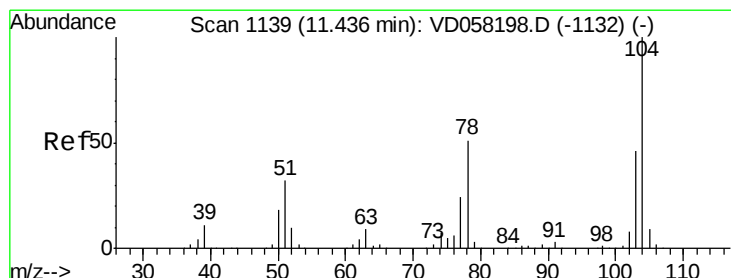
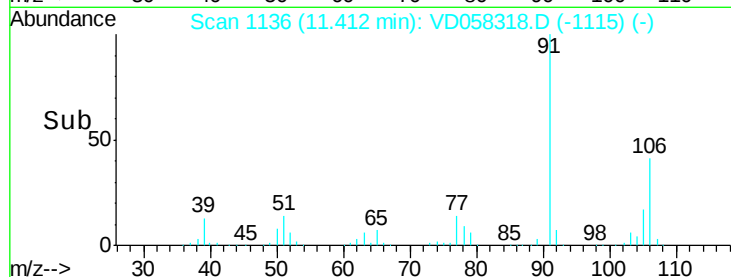
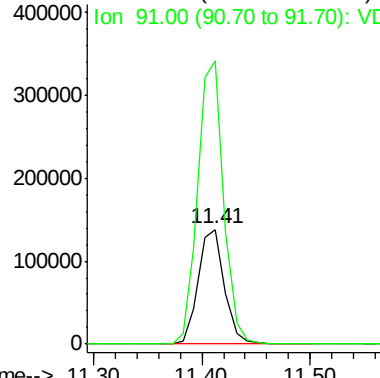
#69
o-Xylene
Concen: 22.202 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD058318.D
Acq: 23 Jun 2018 3:20

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS02

Tot Ion:106 Resp: 232067
Ion Ratio Lower Upper
106 100
91 246.7 120.2 360.6

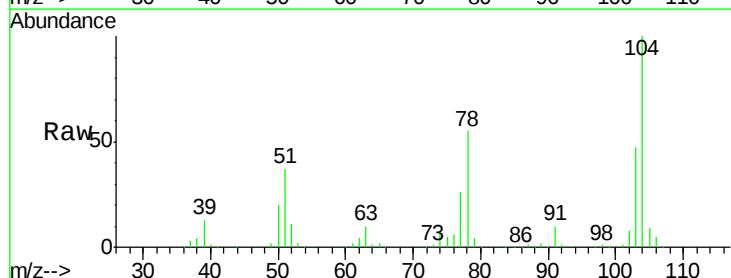


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

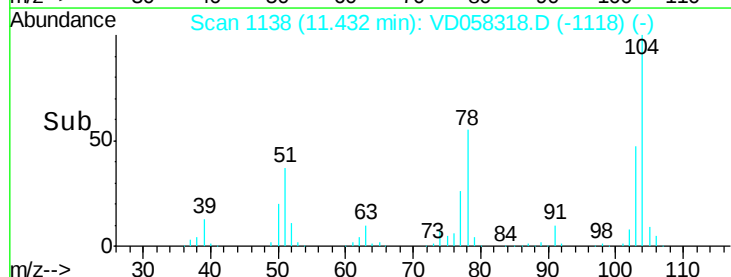
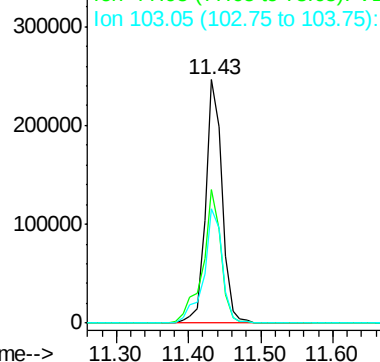


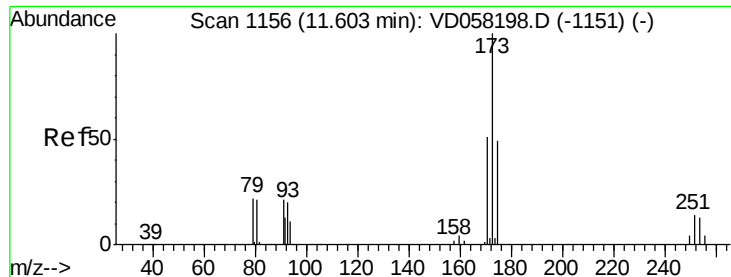
#70
Styrene
Concen: 21.999 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VD058318.D
Acq: 23 Jun 2018 3:20

Tgt Ion:104 Resp: 392389
Ion Ratio Lower Upper
104 100
78 54.8 40.8 61.2
103 46.8 37.0 55.6



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





#71

Bromoform

Concen: 20.690 ug/l

RT: 11.60 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS02

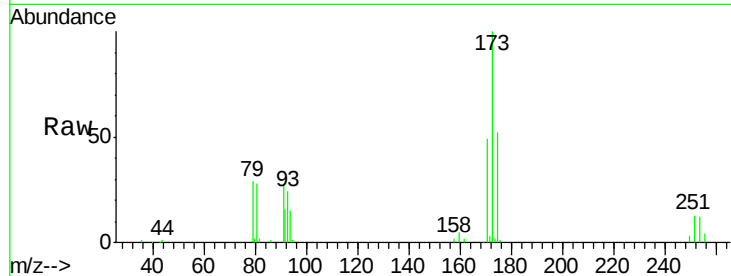
Tot Ion:173 Resp: 118401

Ion Ratio Lower Upper

173 100

175 52.1 24.6 74.0

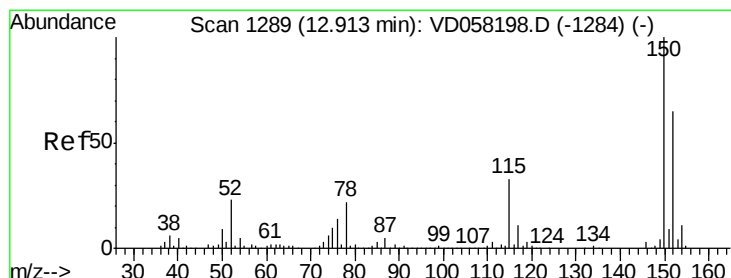
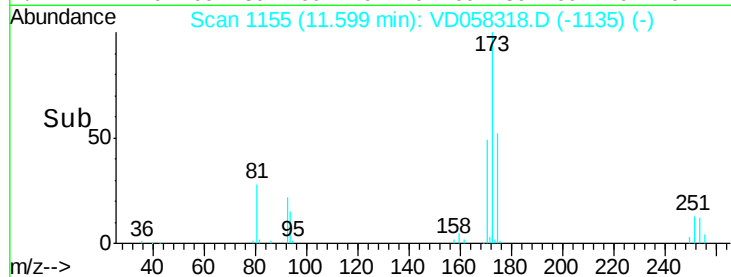
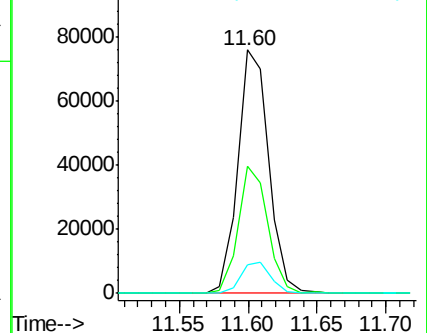
254 11.8 10.3 15.5



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: 12.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

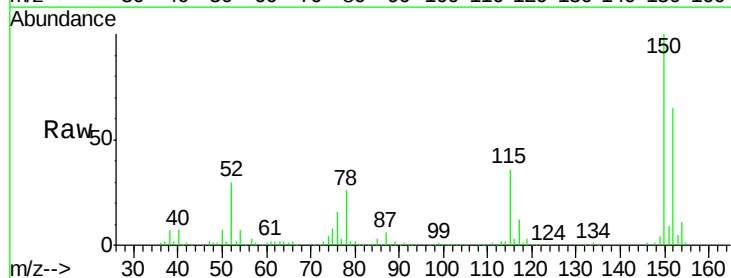
Tgt Ion:152 Resp: 496924

Ion Ratio Lower Upper

152 100

115 55.0 25.1 75.3

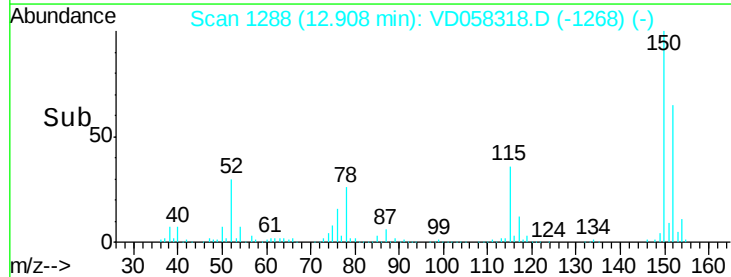
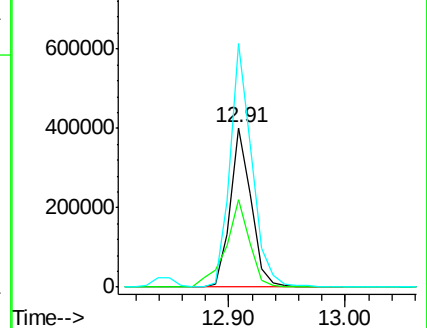
150 152.9 0.0 308.8

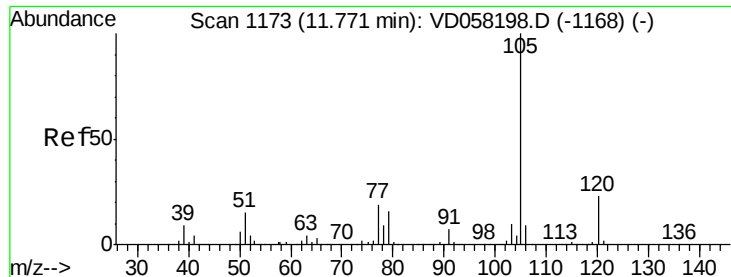


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.561 ug/l

RT: 11.78 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

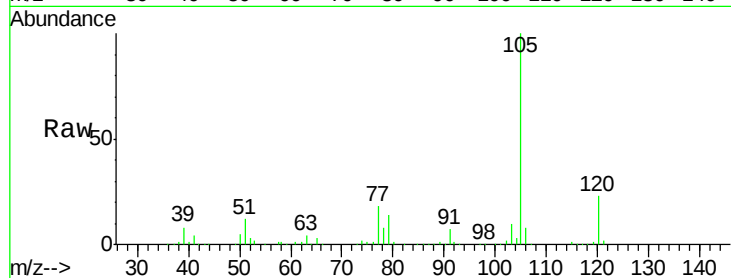
VD0622SBS02

Tot Ion: 105 Resp: 670577

Ion Ratio Lower Upper

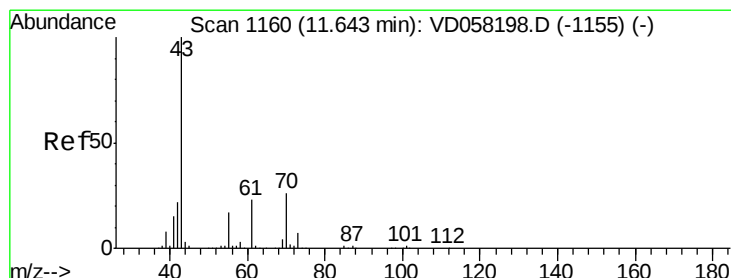
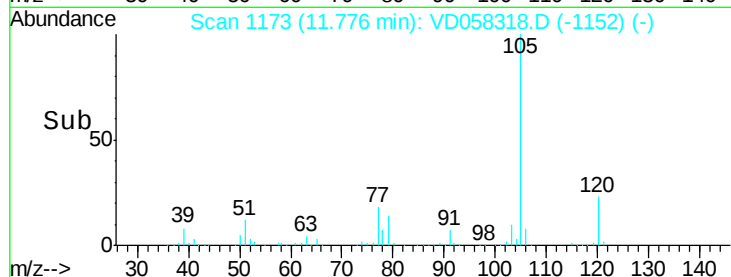
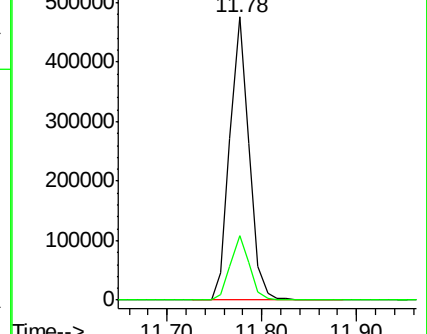
105 100

120 23.0 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.855 ug/l

RT: 11.65 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Tgt Ion: 43 Resp: 251170

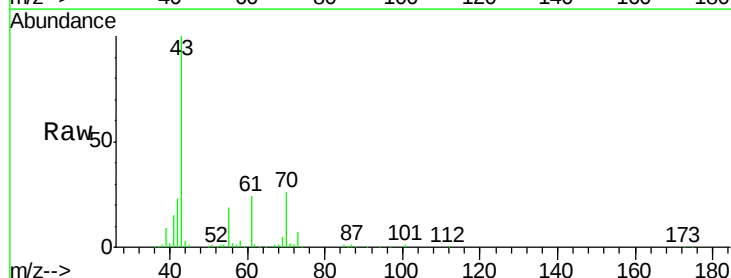
Ion Ratio Lower Upper

43 100

70 26.5 20.9 31.3

55 18.7 13.5 20.3

61 24.1 18.2 27.2

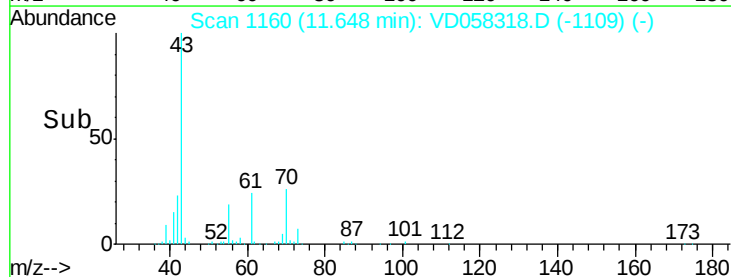
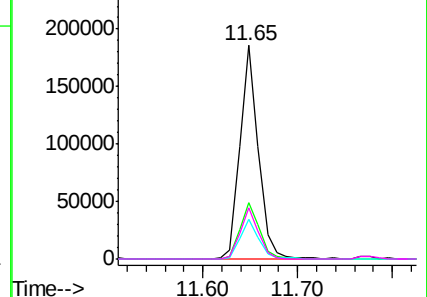


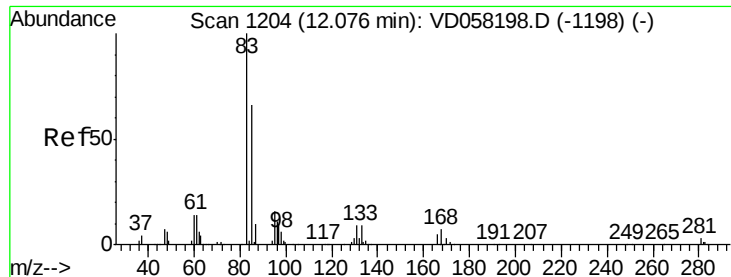
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.766 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS02

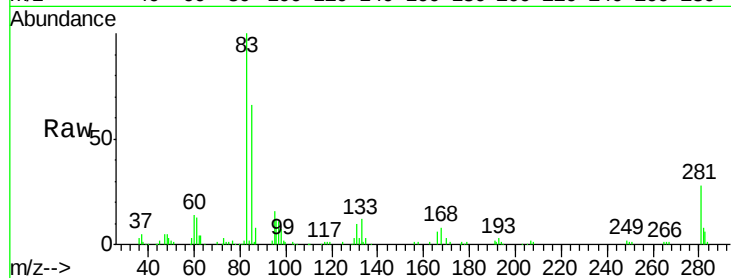
Tot Ion: 83 Resp: 150557

Ion Ratio Lower Upper

83 100

131 10.0 4.8 14.3

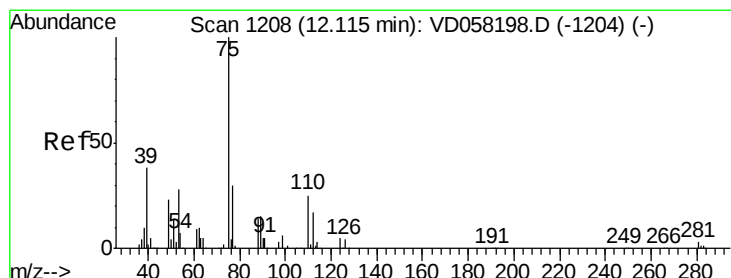
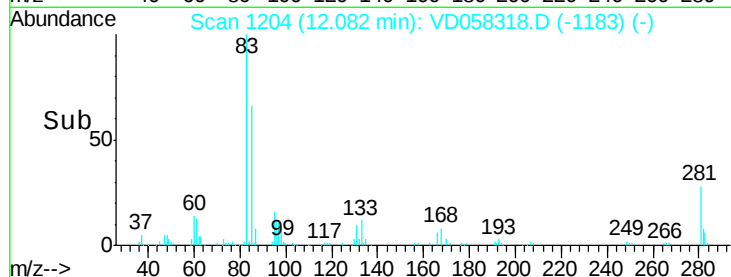
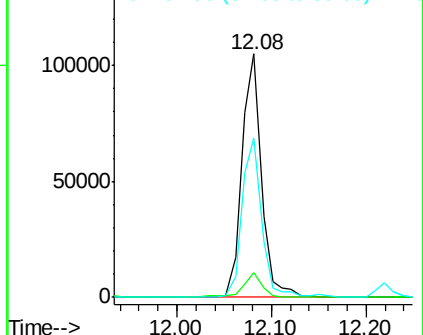
85 65.6 33.1 99.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.481 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VD058318.D

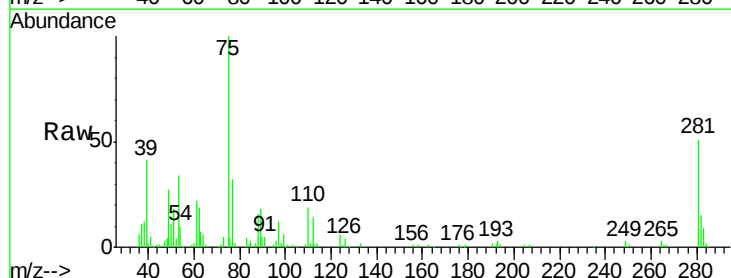
Acq: 23 Jun 2018 3:20

Tgt Ion: 75 Resp: 155852

Ion Ratio Lower Upper

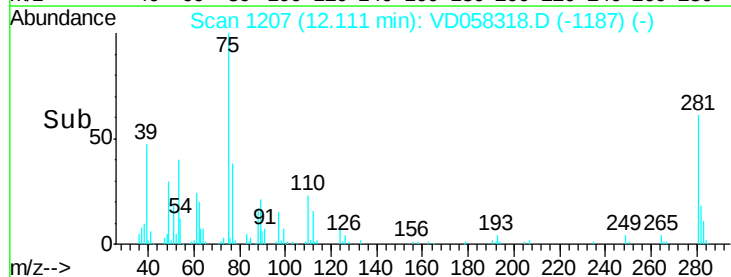
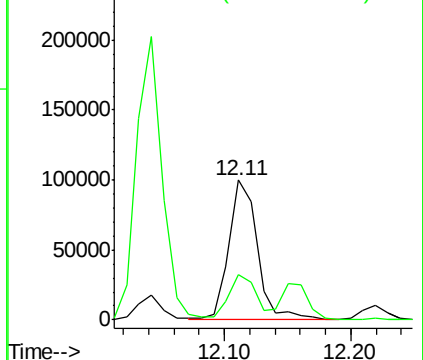
75 100

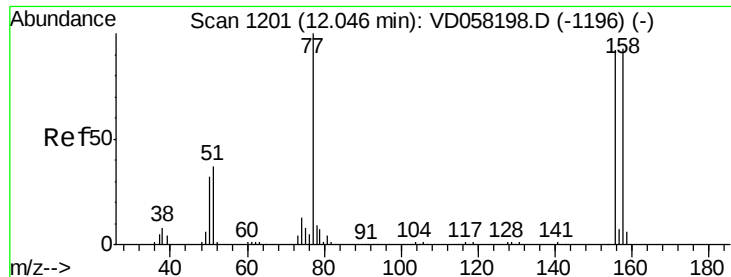
77 32.1 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 23.060 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS02

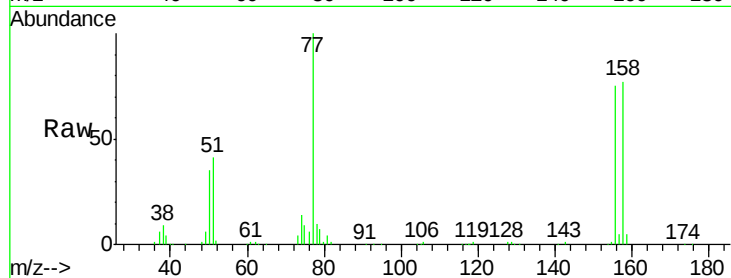
Tot Ion:156 Resp: 205252

Ion Ratio Lower Upper

156 100

77 133.4 54.5 163.6

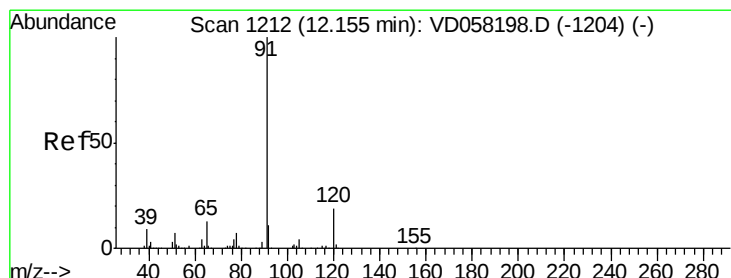
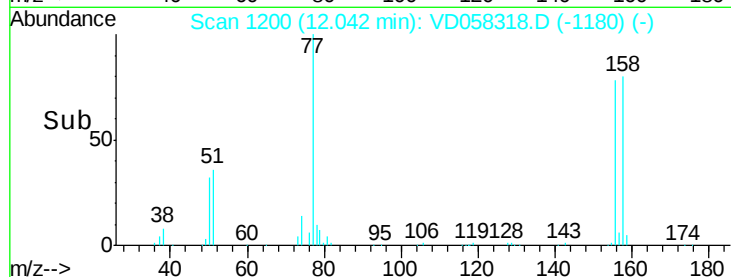
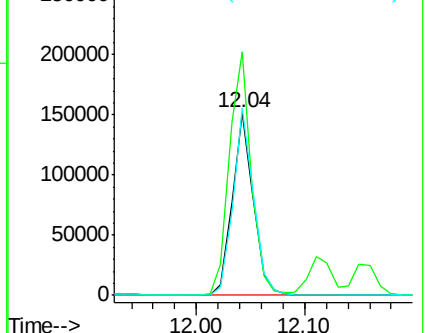
158 102.6 50.8 152.5



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: 23.333 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VD058318.D

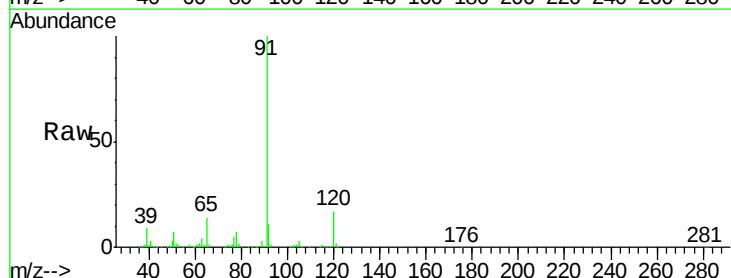
Acq: 23 Jun 2018 3:20

Tgt Ion: 91 Resp: 895639

Ion Ratio Lower Upper

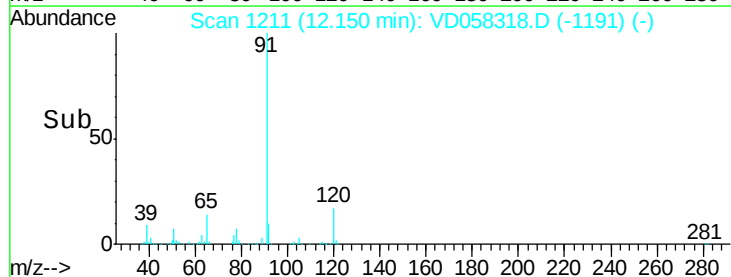
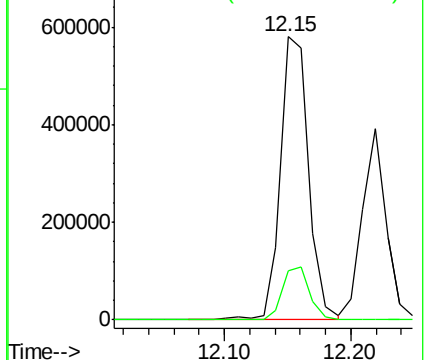
91 100

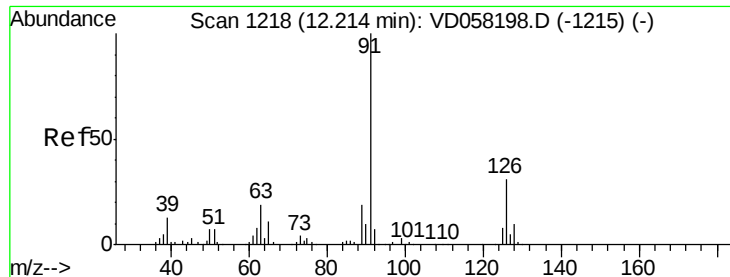
120 17.5 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

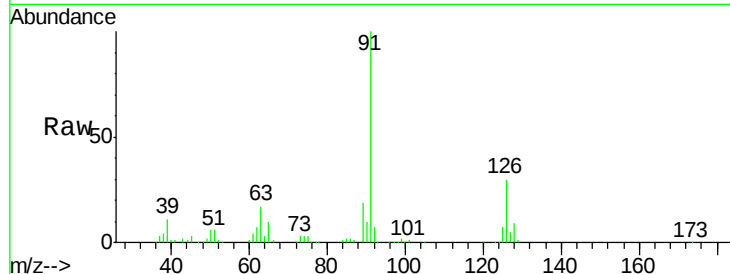




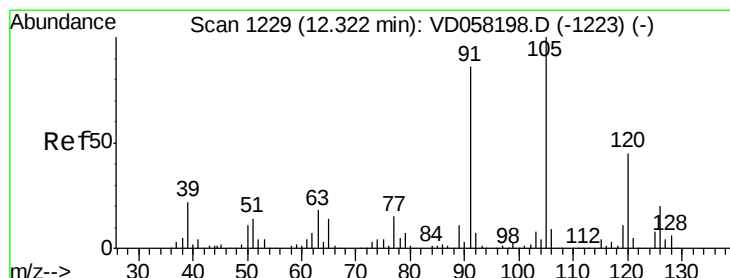
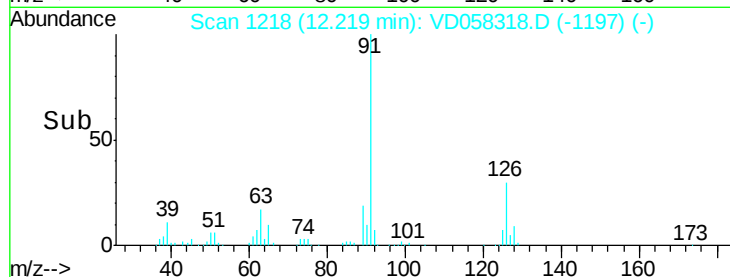
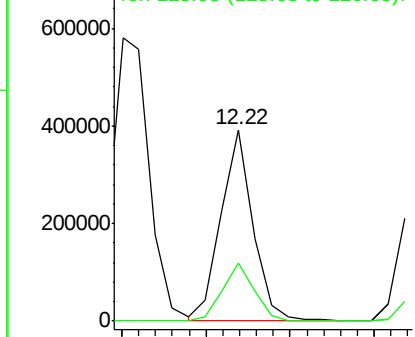
#79
2-Chlorotoluene
Concen: 23.447 ug/l
RT: 12.22 min Scan# 1218
Delta R.T. 0.01 min
Lab File: VD058318.D
Acq: 23 Jun 2018 3:20

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS02

Tot Ion: 91 Resp: 515022
Ion Ratio Lower Upper
91 100
126 30.1 14.9 44.5

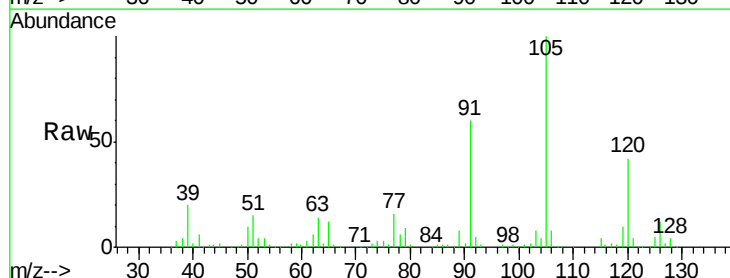


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

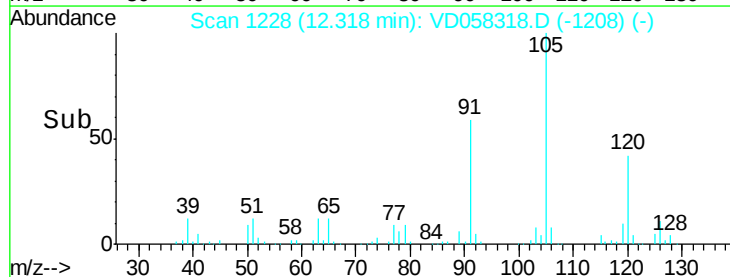
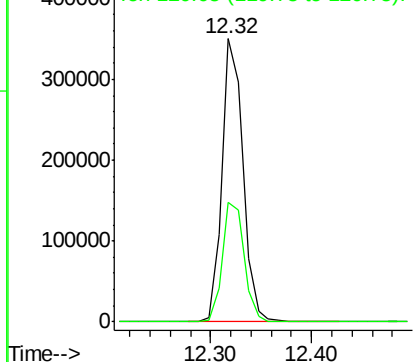


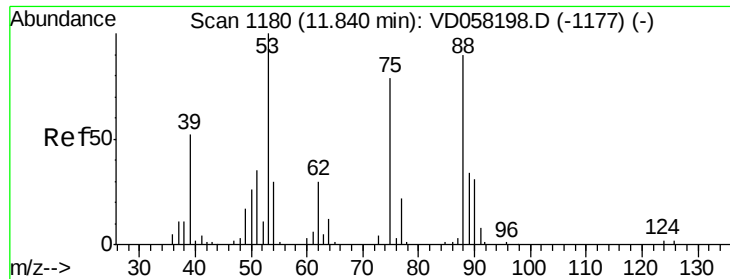
#80
1,3,5-Trimethylbenzene
Concen: 21.911 ug/l
RT: 12.32 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VD058318.D
Acq: 23 Jun 2018 3:20

Tgt Ion: 105 Resp: 507976
Ion Ratio Lower Upper
105 100
120 42.4 22.5 67.5



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V

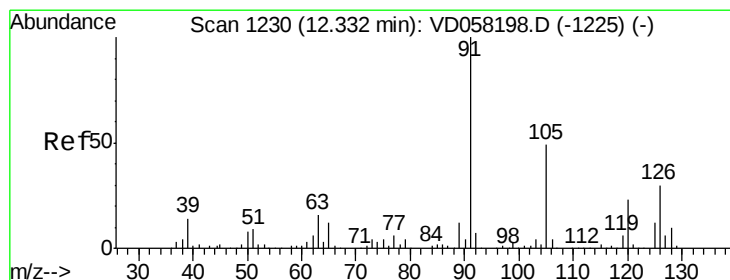
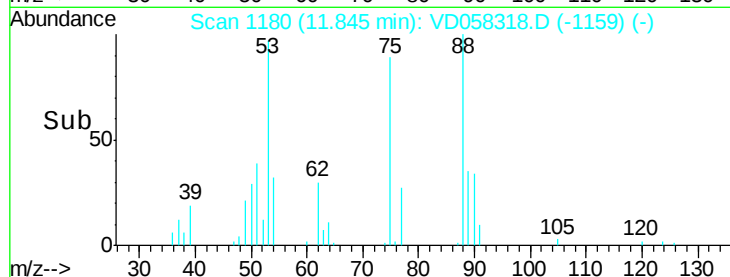
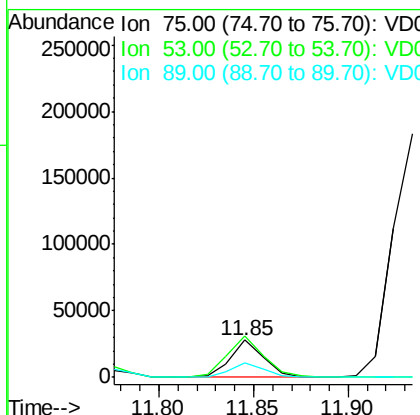
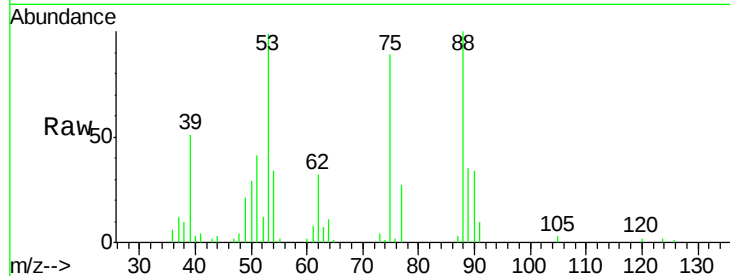




#81
trans-1,4-Dichloro-2-butene
Concen: 19.268 ug/l
RT: 11.85 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD058318.D
Acq: 23 Jun 2018 3:20

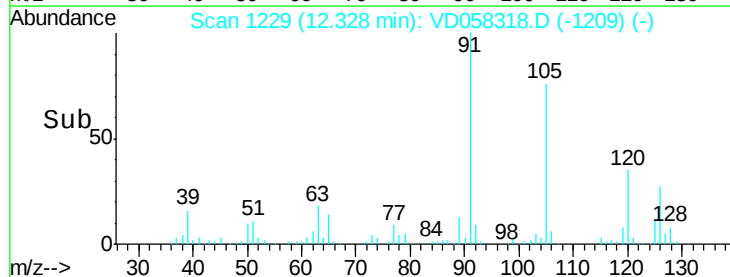
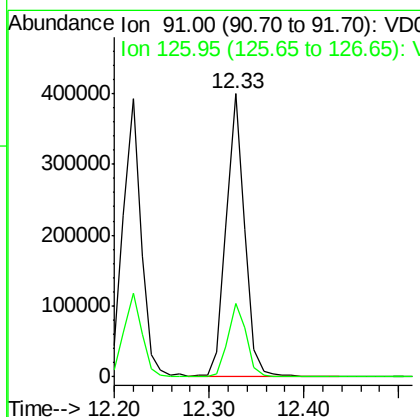
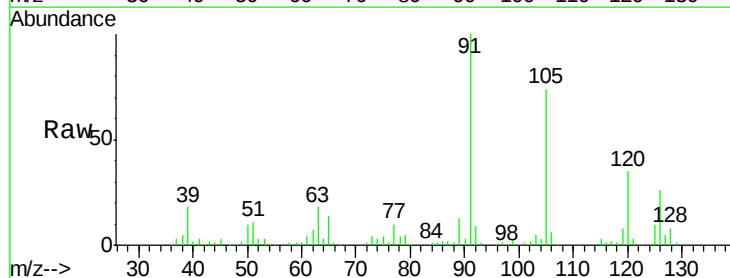
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS02

Tot Ion: 75 Resp: 34095
Ion Ratio Lower Upper
75 100
53 110.6 100.8 151.2
89 39.4 34.6 52.0



#82
4-Chlorotoluene
Concen: 21.971 ug/l
RT: 12.33 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VD058318.D
Acq: 23 Jun 2018 3:20

Tgt Ion: 91 Resp: 535577
Ion Ratio Lower Upper
91 100
126 26.0 14.9 44.9

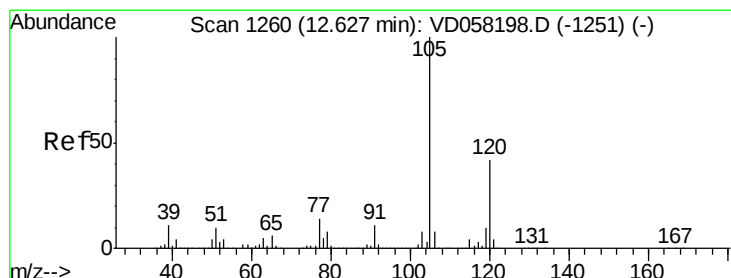
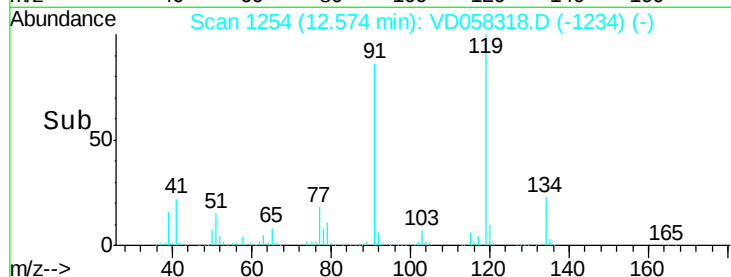
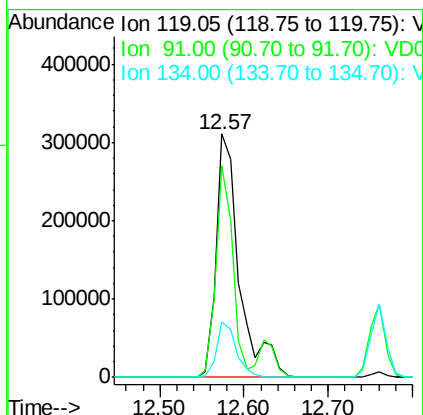
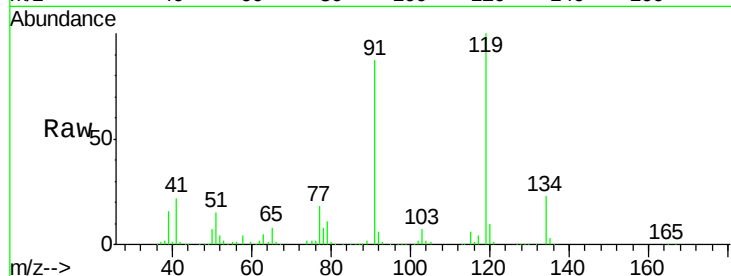




#83
tert-Butylbenzene
Concen: 22.470 ug/l
RT: 12.57 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD058318.D
Acq: 23 Jun 2018 3:20

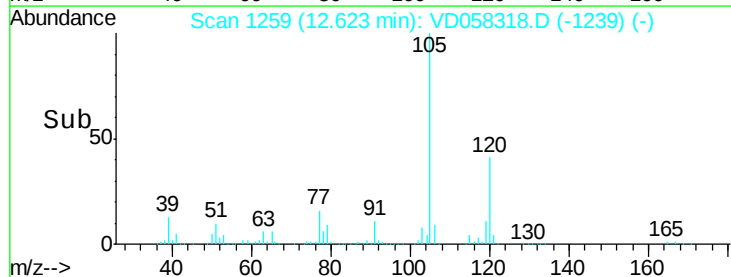
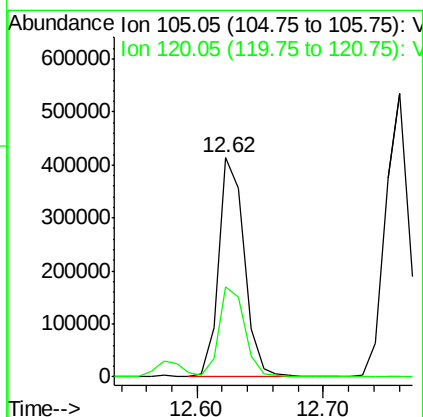
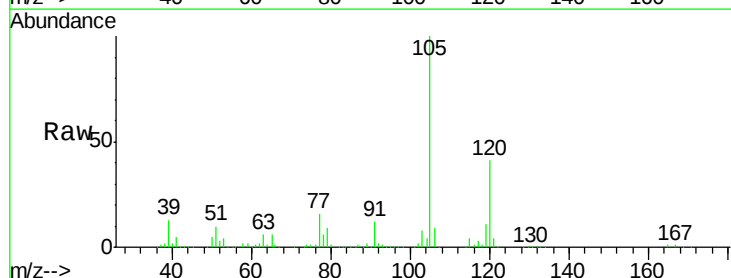
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS02

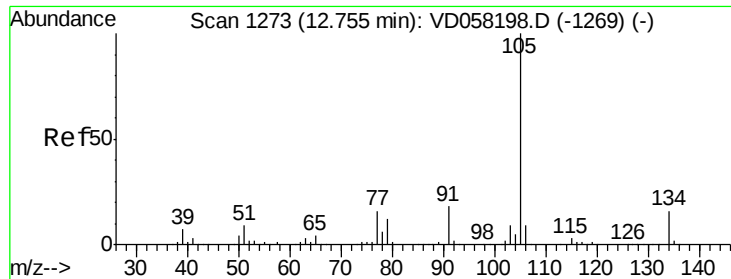
Tot Ion:119 Resp: 598907
Ion Ratio Lower Upper
119 100
91 86.9 38.9 116.6
134 22.7 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 22.837 ug/l
RT: 12.62 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VD058318.D
Acq: 23 Jun 2018 3:20

Tgt Ion:105 Resp: 575511
Ion Ratio Lower Upper
105 100
120 41.4 20.8 62.4





#85

sec-Butylbenzene

Concen: 22.744 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

Instrument :

MSVOA_D

ClientSampleId :

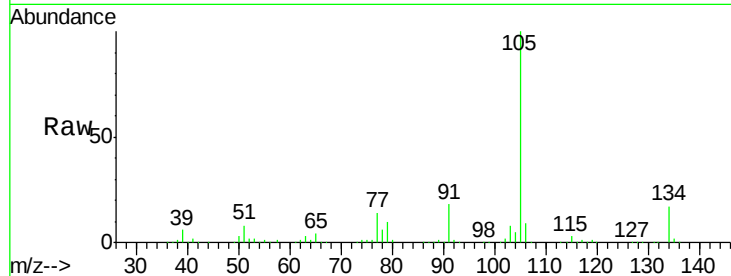
VD0622SBS02

Tot Ion:105 Resp: 710563

Ion Ratio Lower Upper

105 100

134 17.4 8.1 24.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

12.76

600000

500000

400000

300000

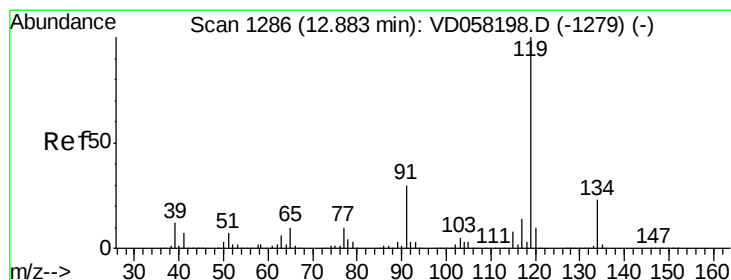
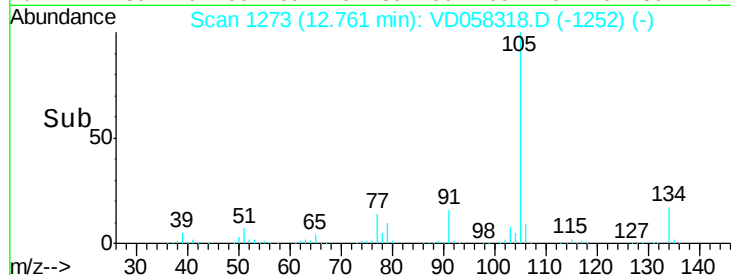
200000

100000

0

Time-->

12.70 12.80



#86

p-Isopropyltoluene

Concen: 22.505 ug/l

RT: 12.89 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD058318.D

Acq: 23 Jun 2018 3:20

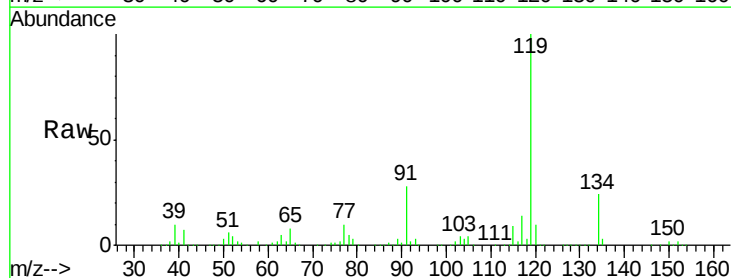
Tgt Ion:119 Resp: 569778

Ion Ratio Lower Upper

119 100

134 24.3 11.6 34.8

91 28.4 15.0 45.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

12.89

600000

500000

400000

300000

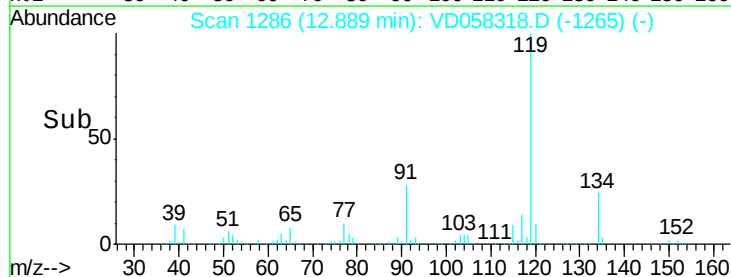
200000

100000

0

Time-->

12.80 12.90 13.00

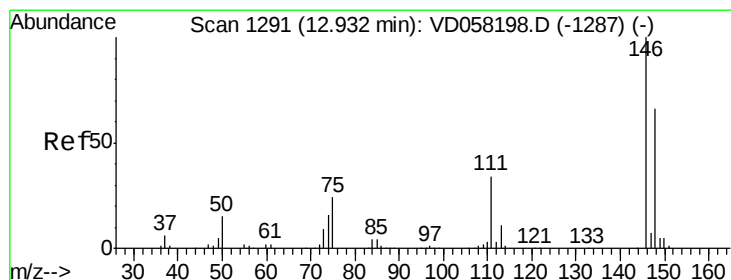
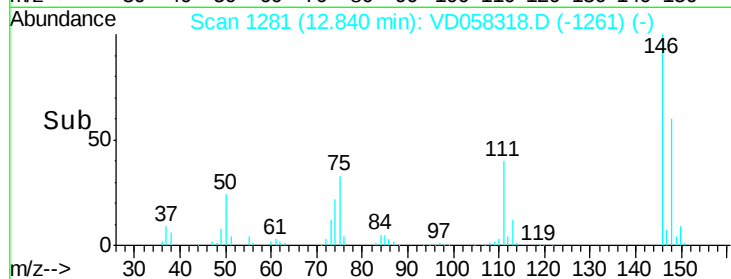
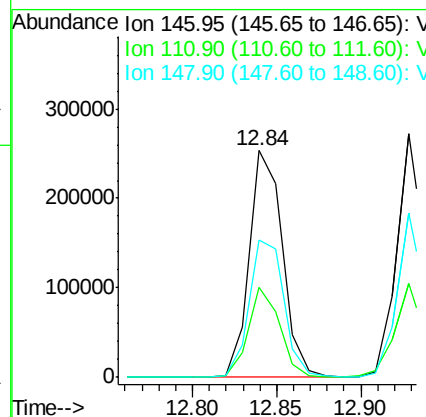
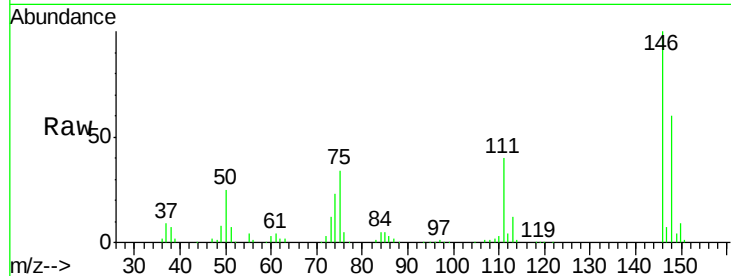




#87
 1,3-Dichlorobenzene
 Concen: 22.379 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VD058318.D
 Acq: 23 Jun 2018 3:20

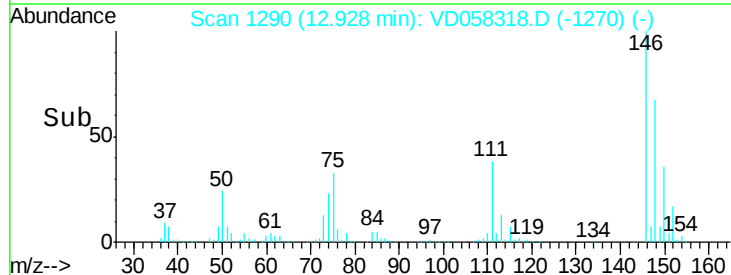
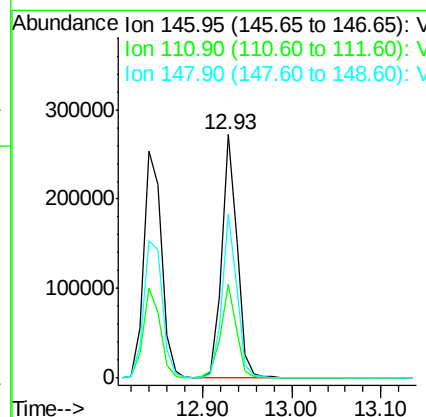
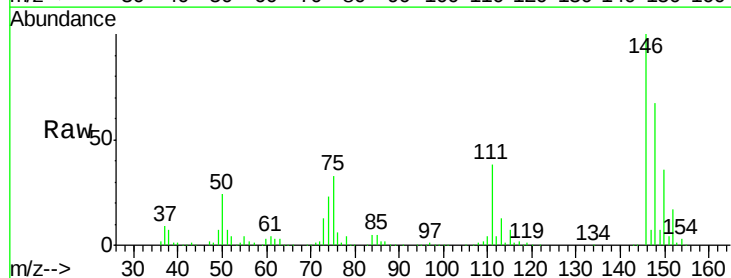
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS02

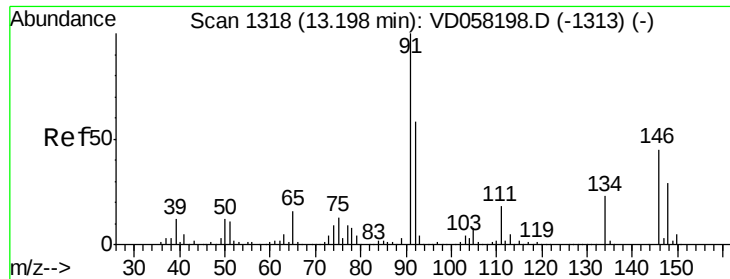
Tot Ion:146 Resp: 346209
 Ion Ratio Lower Upper
 146 100
 111 40.0 18.4 55.0
 148 60.4 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 21.795 ug/l
 RT: 12.93 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD058318.D
 Acq: 23 Jun 2018 3:20

Tgt Ion:146 Resp: 329255
 Ion Ratio Lower Upper
 146 100
 111 38.3 17.2 51.5
 148 67.4 33.1 99.3

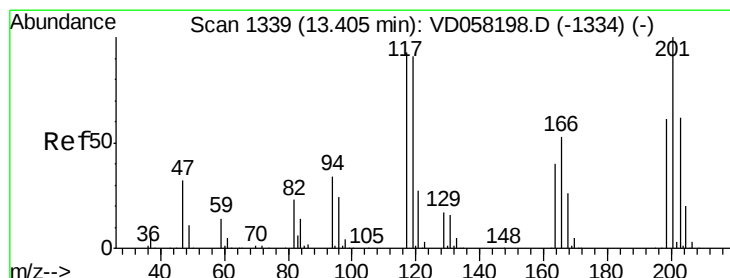
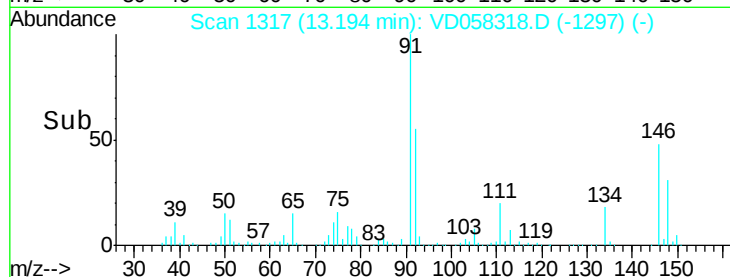
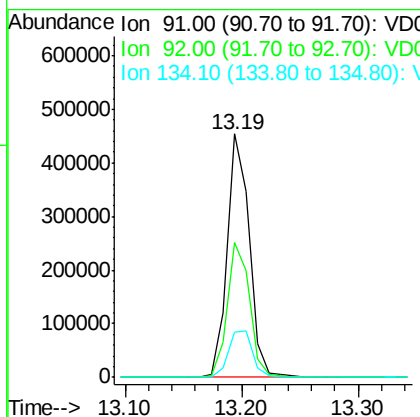
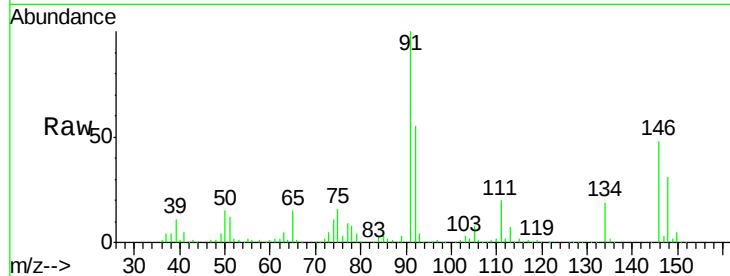




#89
n-Butylbenzene
Concen: 22.370 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD058318.D
Acq: 23 Jun 2018 3:20

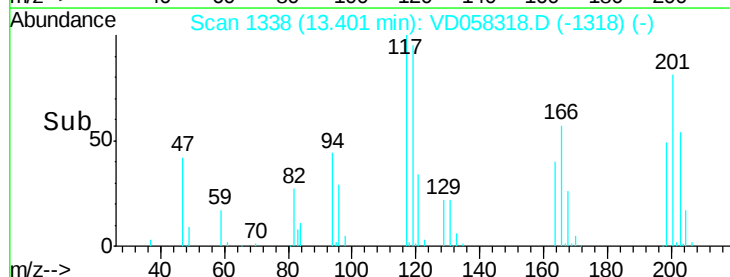
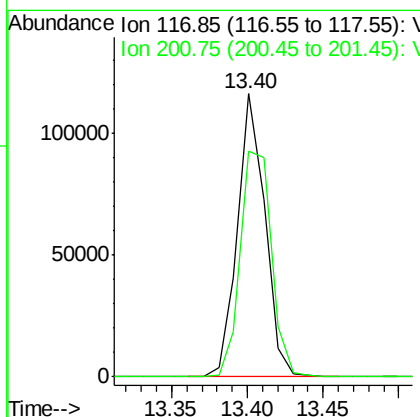
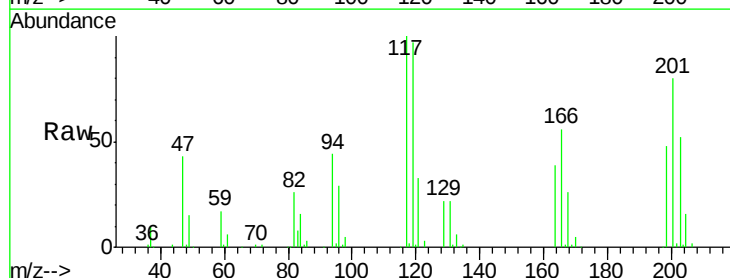
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS02

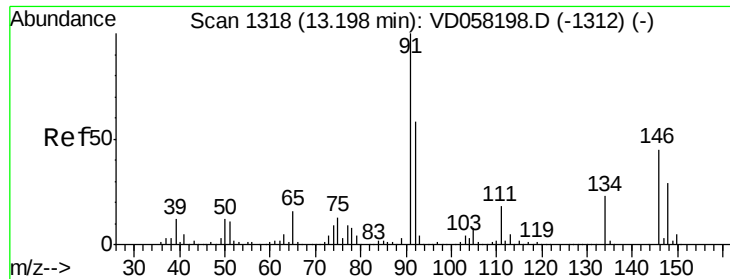
Tot Ion: 91 Resp: 595239
Ion Ratio Lower Upper
91 100
92 55.5 29.2 87.6
134 18.5 11.3 33.8



#90
Hexachloroethane
Concen: 22.216 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VD058318.D
Acq: 23 Jun 2018 3:20

Tgt Ion: 117 Resp: 145989
Ion Ratio Lower Upper
117 100
201 79.7 53.8 161.4

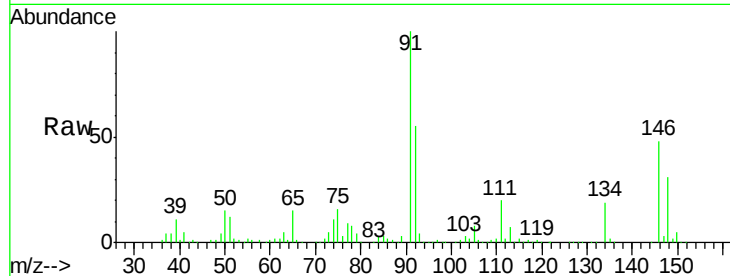




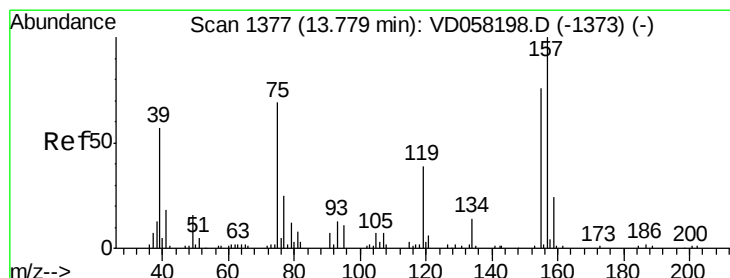
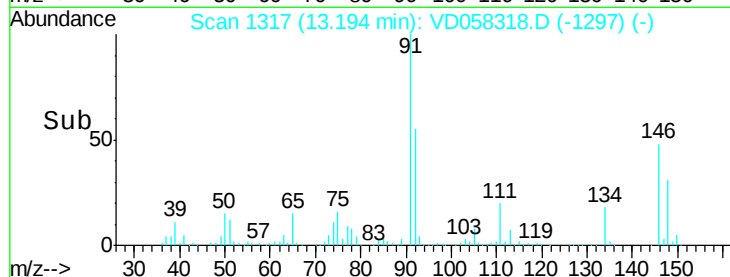
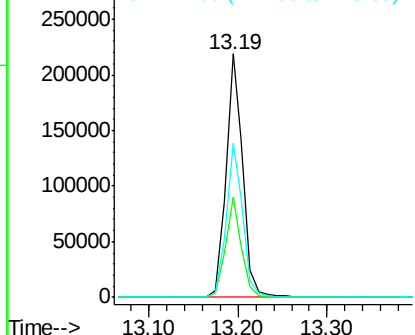
#91
 1,2-Dichlorobenzene
 Concen: 22.066 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD058318.D
 Acq: 23 Jun 2018 3:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS02

Tot Ion:146 Resp: 290493
 Ion Ratio Lower Upper
 146 100
 111 40.9 19.6 58.7
 148 63.5 32.0 96.2

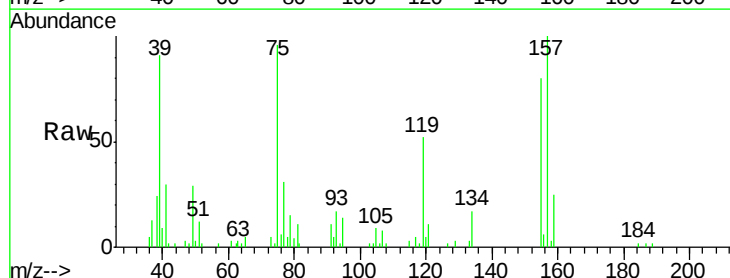


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

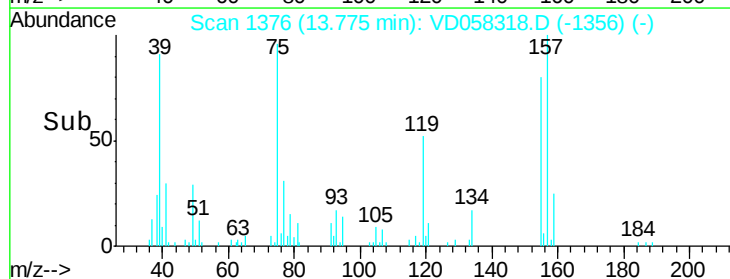
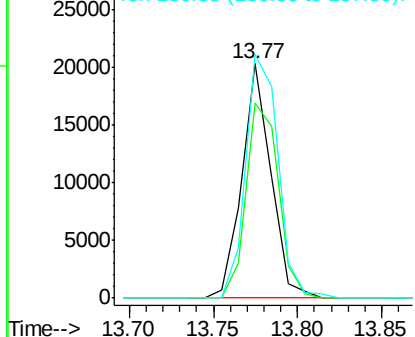


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.046 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VD058318.D
 Acq: 23 Jun 2018 3:20

Tgt Ion: 75 Resp: 24269
 Ion Ratio Lower Upper
 75 100
 155 83.1 54.5 163.5
 157 103.8 72.0 215.9



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

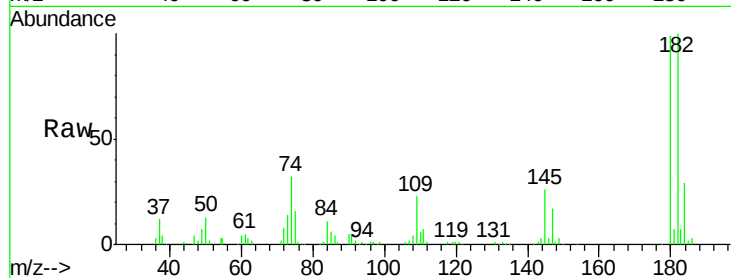




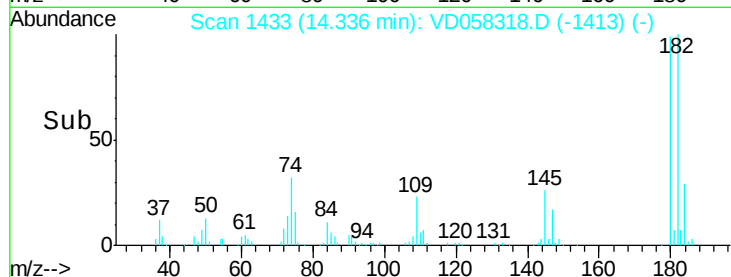
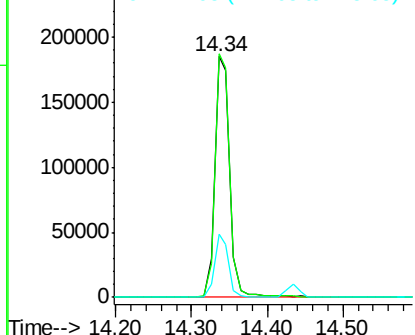
#93
 1,2,4-Trichlorobenzene
 Concen: 20.555 ug/l
 RT: 14.34 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VD058318.D
 Acq: 23 Jun 2018 3:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS02

Tot Ion:180 Resp: 258810
 Ion Ratio Lower Upper
 180 100
 182 101.0 47.1 141.3
 145 26.1 11.7 35.0

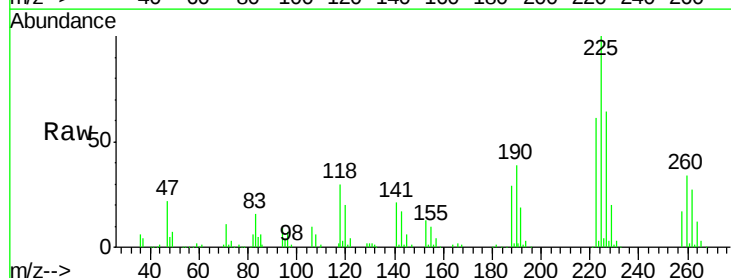


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

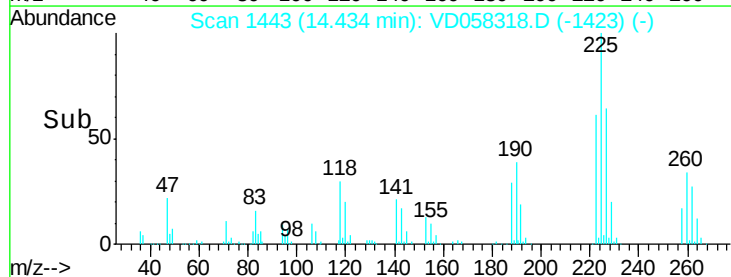
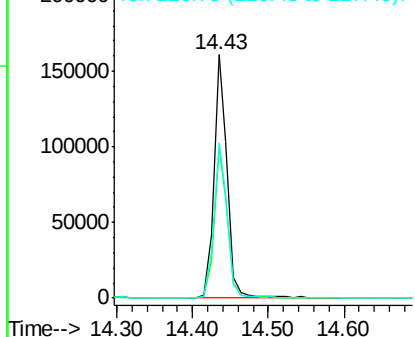


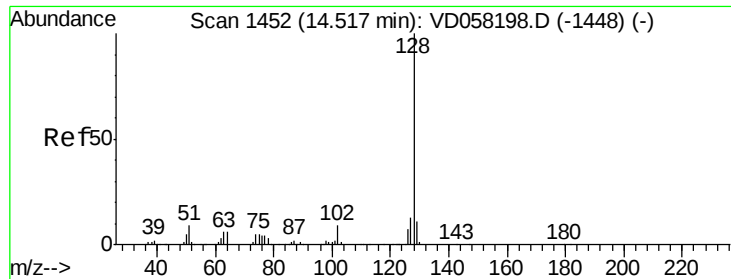
#94
 Hexachlorobutadiene
 Concen: 20.163 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD058318.D
 Acq: 23 Jun 2018 3:20

Tgt Ion:225 Resp: 198571
 Ion Ratio Lower Upper
 225 100
 223 61.4 30.1 90.3
 227 64.0 33.0 98.9



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

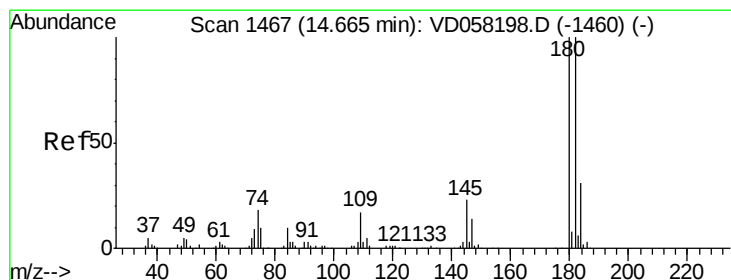
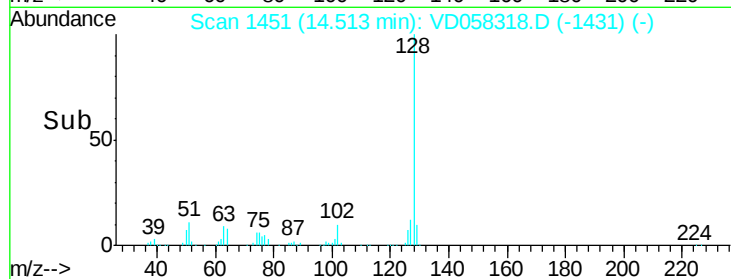
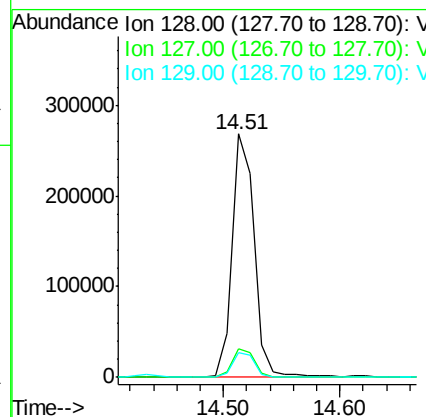
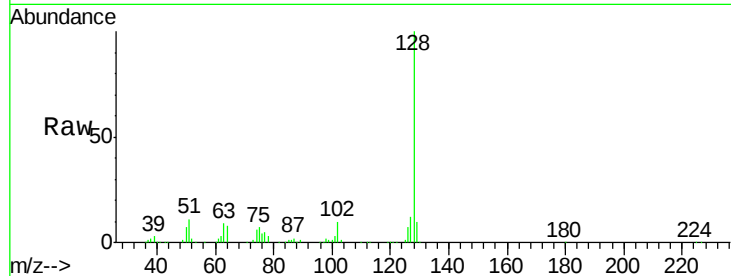




#95
Naphthalene
Concen: 21.266 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.00 min
Lab File: VD058318.D
Acq: 23 Jun 2018 3:20

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS02

Tot Ion:128 Resp: 352716
Ion Ratio Lower Upper
128 100
127 12.0 10.0 15.0
129 10.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.260 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. -0.00 min
Lab File: VD058318.D
Acq: 23 Jun 2018 3:20

Tgt Ion:180 Resp: 223325
Ion Ratio Lower Upper
180 100
182 96.9 49.9 149.6
145 27.4 11.7 35.1

