

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067737.D
 Acq On : 23 Nov 2020 10:56
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Quant Time: Nov 24 00:35:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:34:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	263484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	384173	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	349983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	184927	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	12247	4.73	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	9.46%#
35) Dibromofluoromethane	7.92	113	11134	4.53	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	9.06%#
50) Toluene-d8	10.34	98	42400	4.75	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	9.50%#
62) 4-Bromofluorobenzene	12.63	95	14179	4.62	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	9.24%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.98	85	12106	5.214	ug/l 99
3) Chloromethane	2.20	50	6372	4.829	ug/l 91
4) Vinyl Chloride	2.34	62	8296	5.037	ug/l # 88
5) Bromomethane	2.77	94	7320	5.189	ug/l 97
6) Chloroethane	2.92	64	5760	5.298	ug/l # 87
7) Trichlorofluoromethane	3.27	101	25319	5.078	ug/l 99
8) Diethyl Ether	3.71	74	4947	4.917	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	12627	5.316	ug/l # 70
10) Methyl Iodide	4.29	142	4627	1.899	ug/l # 86
11) Tert butyl alcohol	5.20	59	5460	28.233	ug/l # 95
12) 1,1-Dichloroethene	4.06	96	11533	5.279	ug/l # 81
13) Acrolein	3.93	56	2480	23.203	ug/l 91
14) Allyl chloride	4.71	41	10224	4.871	ug/l 94
15) Acrylonitrile	5.41	53	4302	12.616	ug/l # 35
16) Acetone	4.15	43	8005	23.337	ug/l 89
17) Carbon Disulfide	4.41	76	30306	4.734	ug/l # 94
18) Methyl Acetate	4.71	43	3695	5.582	ug/l 90
19) Methyl tert-butyl Ether	5.47	73	12531	2.682	ug/l 98
20) Methylene Chloride	4.97	84	27501	8.087	ug/l 97
21) trans-1,2-Dichloroethene	5.47	96	13014	5.322	ug/l # 86
22) Diisopropyl ether	6.36	45	18644	4.513	ug/l 95
23) Vinyl Acetate	6.30	43	47119	20.087	ug/l 98
24) 1,1-Dichloroethane	6.27	63	16935	4.737	ug/l 91
25) 2-Butanone	7.21	43	10155	27.728	ug/l 96
26) 2,2-Dichloropropane	7.21	77	22032	5.263	ug/l # 73
27) cis-1,2-Dichloroethene	7.21	96	12909	4.892	ug/l 94
28) Bromochloromethane	7.54	49	5565	4.875	ug/l 99
29) Tetrahydrofuran	7.57	42	4498	20.952	ug/l # 87
30) Chloroform	7.71	83	24063	5.190	ug/l 99
31) Cyclohexane	7.98	56	19545	6.323	ug/l # 82
32) 1,1,1-Trichloroethane	7.91	97	25389	5.139	ug/l 98
36) 1,1-Dichloropropene	8.11	75	16000	4.811	ug/l 96
37) Ethyl Acetate	7.29	43	4271	4.889	ug/l # 89
38) Carbon Tetrachloride	8.10	117	24063	4.931	ug/l 96

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 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Quant Time: Nov 24 00:35:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:34:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	18887	4.782	ug/l	96
40) Benzene	8.36	78	45957	5.011	ug/l	97
41) Methacrylonitrile	7.52	41	1315	3.241	ug/l #	33
42) 1,2-Dichloroethane	8.43	62	15930	5.170	ug/l	98
43) Isopropyl Acetate	8.46	43	8230	4.656	ug/l	96
44) Trichloroethene	9.11	130	14670	4.797	ug/l	76
45) 1,2-Dichloropropane	9.38	63	9460	5.073	ug/l	92
46) Dibromomethane	9.48	93	6357	5.075	ug/l	99
47) Bromodichloromethane	9.67	83	16877	4.767	ug/l	91
48) Methyl methacrylate	9.46	41	4432	5.061	ug/l	95
49) 1,4-Dioxane	9.47	88	1462	107.622	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	18800	22.792	ug/l	89
52) Toluene	10.41	92	29425	4.756	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	14192	4.603	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	17332	4.965	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	8870	5.216	ug/l	92
56) Ethyl methacrylate	10.66	69	7807	4.442	ug/l	96
57) 1,3-Dichloropropane	10.95	76	13191	4.953	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.94	63	19034	23.193	ug/l	96
59) 2-Hexanone	10.99	43	13084	22.227	ug/l	100
60) Dibromochloromethane	11.14	129	12489	4.818	ug/l	91
61) 1,2-Dibromoethane	11.24	107	8262	4.914	ug/l	99
64) Tetrachloroethene	10.88	164	13740	4.993	ug/l #	87
65) Chlorobenzene	11.67	112	34783	5.018	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.75	131	14012	5.045	ug/l	95
67) Ethyl Benzene	11.75	91	58100	4.883	ug/l	95
68) m/p-Xylenes	11.86	106	44372	9.537	ug/l	97
69) o-Xylene	12.18	106	20119	4.756	ug/l	96
70) Styrene	12.20	104	32393	4.432	ug/l	97
71) Bromoform	12.37	173	7470	4.940	ug/l #	99
73) Isopropylbenzene	12.48	105	55299	4.458	ug/l	98
74) N-amyl acetate	12.29	43	6995	4.352	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	8160	4.936	ug/l	91
76) 1,2,3-Trichloropropane	12.78	75	11479	7.965	ug/l #	100
77) Bromobenzene	12.77	156	14481	4.688	ug/l	98
78) n-propylbenzene	12.83	91	60919	4.428	ug/l	98
79) 2-Chlorotoluene	12.91	91	37790	4.668	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	46792	4.297	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.53	75	2640	4.784	ug/l	98
82) 4-Chlorotoluene	13.01	91	40456	4.683	ug/l	97
83) tert-Butylbenzene	13.23	119	40011	4.360	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	47820	4.463	ug/l	98
85) sec-Butylbenzene	13.40	105	54477	4.495	ug/l	95
86) p-Isopropyltoluene	13.51	119	51349	4.382	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	29556	4.910	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	29794	4.967	ug/l	93
89) n-Butylbenzene	13.84	91	46555	4.641	ug/l	96
90) Hexachloroethane	14.11	117	10802	4.837	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	24325	4.699	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1798	5.110	ug/l	91

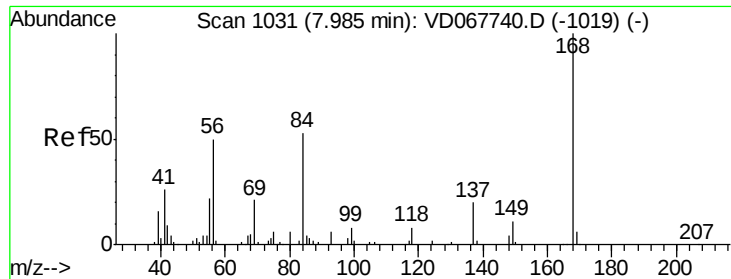
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112320\
Data File : VD067737.D
Acq On : 23 Nov 2020 10:56
Operator : VA/SY
Sample : VSTDICC005
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BFB

Quant Time: Nov 24 00:35:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 24 00:34:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	16941	4.621	ug/l	98
94) Hexachlorobutadiene	15.27	225	10582	4.500	ug/l	98
95) Naphthalene	15.40	128	24856	4.184	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	14274	4.585	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

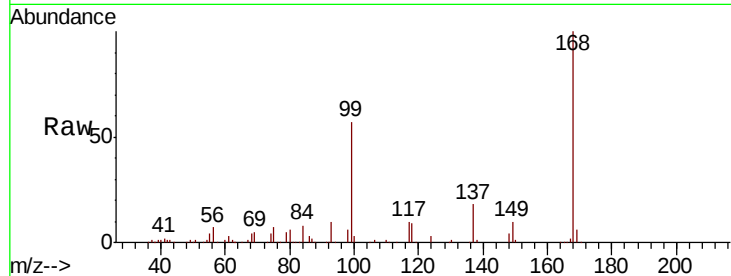
BFB

Tot Ion:168 Resp: 263484

Ion Ratio Lower Upper

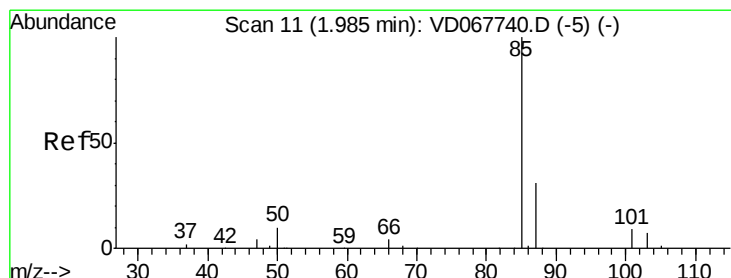
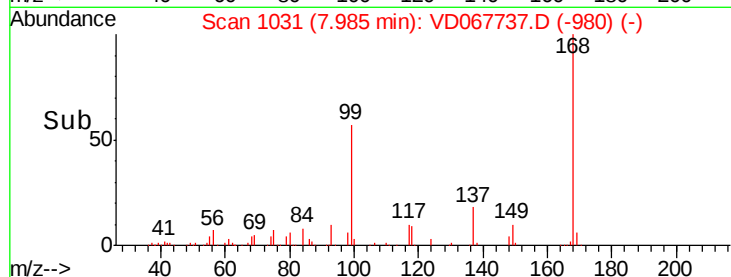
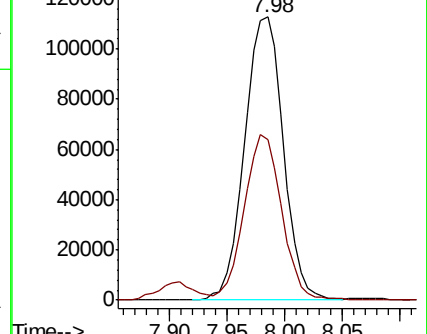
168 100

99 56.0 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 5.214 ug/l

RT: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD067737.D

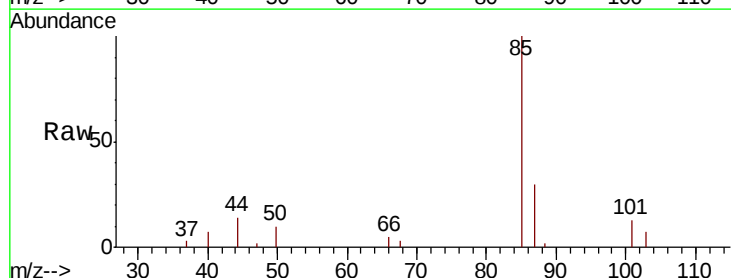
Acq: 23 Nov 2020 10:56

Tgt Ion: 85 Resp: 12106

Ion Ratio Lower Upper

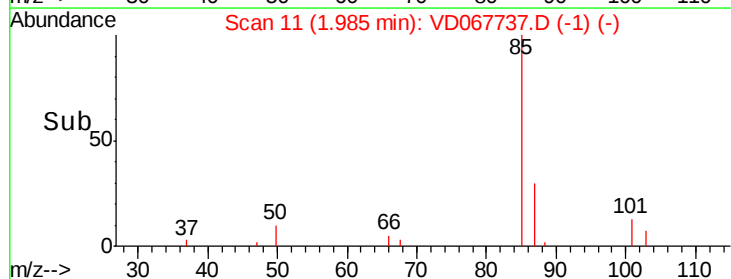
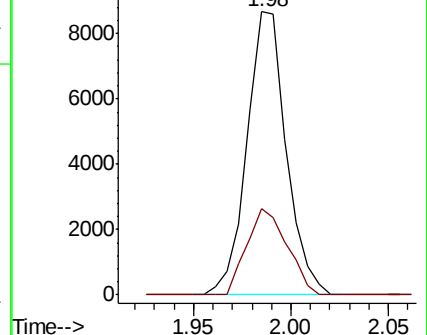
85 100

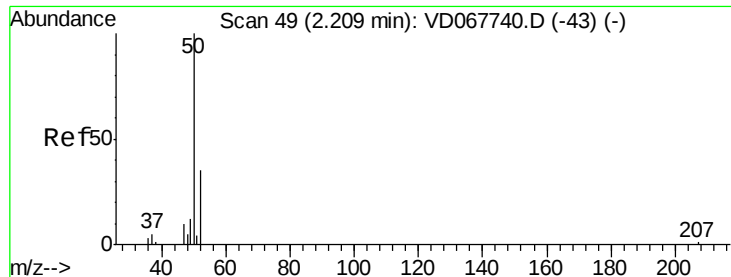
87 30.5 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

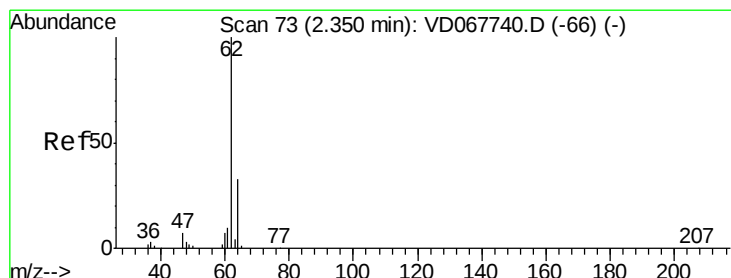
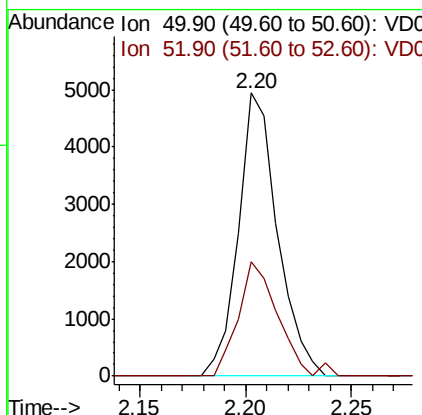
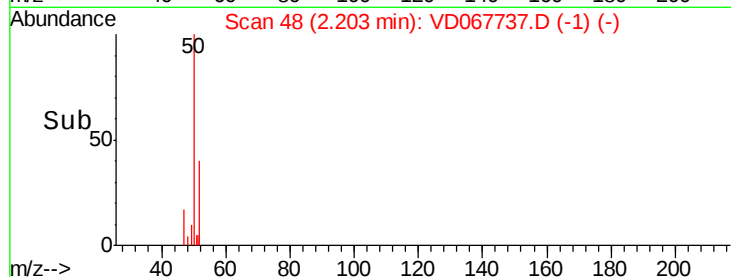
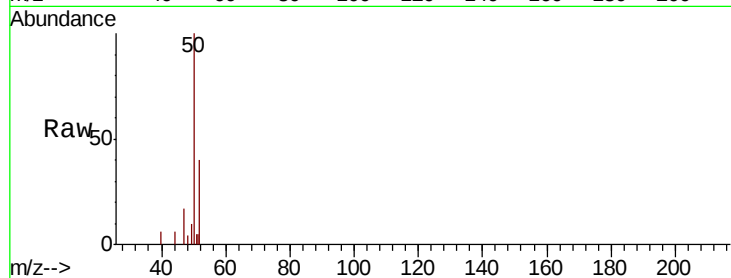




#3
Chloromethane
Concen: 4.829 ug/l
RT: 2.20 min Scan# 48
Delta R.T. -0.01 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

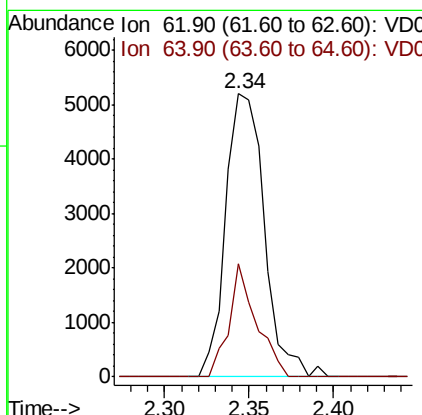
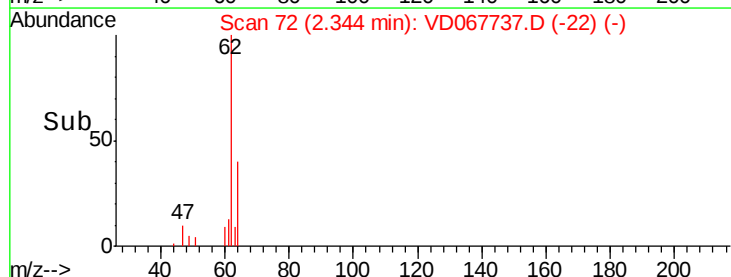
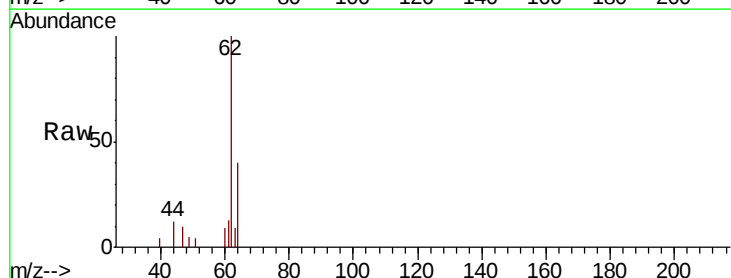
Instrument :
MSVOA_D
ClientSampleId :
BFB

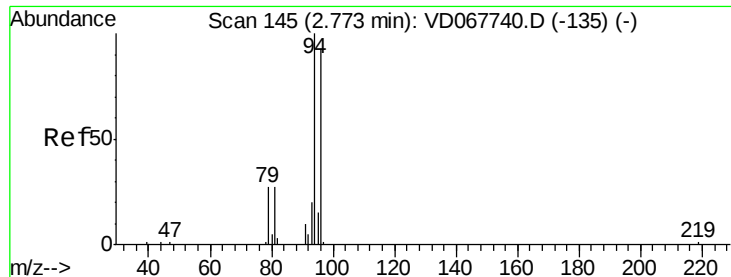
Tot Ion: 50 Resp: 6372
Ion Ratio Lower Upper
50 100
52 40.3 27.8 41.8



#4
Vinyl Chloride
Concen: 5.037 ug/l
RT: 2.34 min Scan# 72
Delta R.T. -0.01 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

Tgt Ion: 62 Resp: 8296
Ion Ratio Lower Upper
62 100
64 40.1 26.6 40.0#





#5

Bromomethane

Concen: 5.189 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

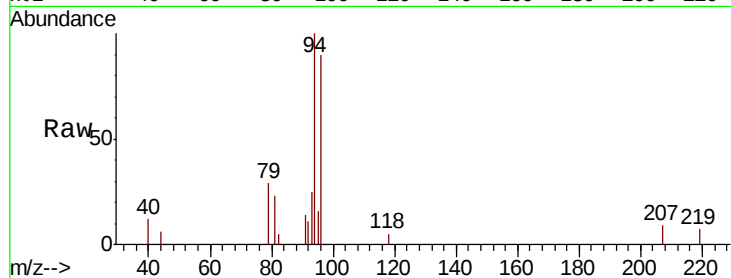
BFB

Tot Ion: 94 Resp: 7320

Ion Ratio Lower Upper

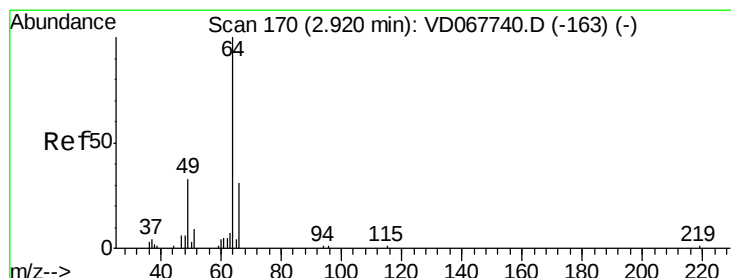
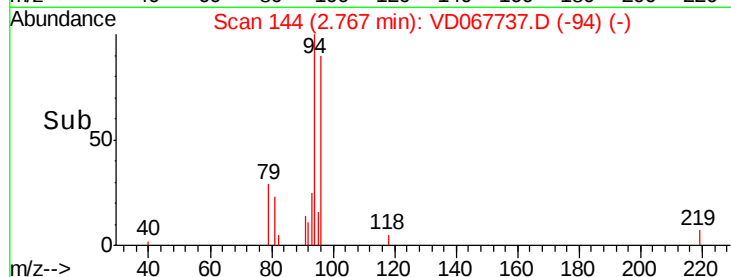
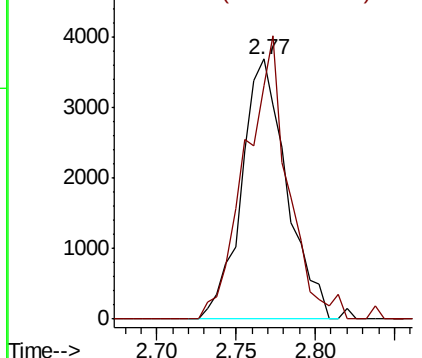
94 100

96 90.0 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 5.298 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD067737.D

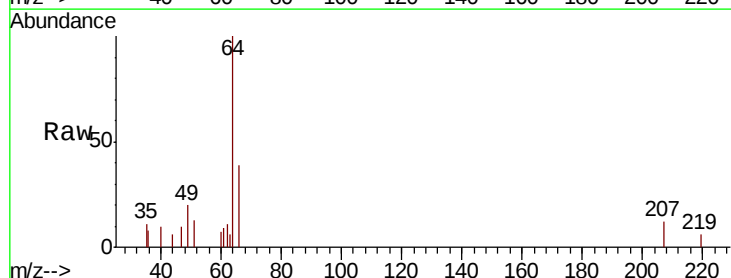
Acq: 23 Nov 2020 10:56

Tgt Ion: 64 Resp: 5760

Ion Ratio Lower Upper

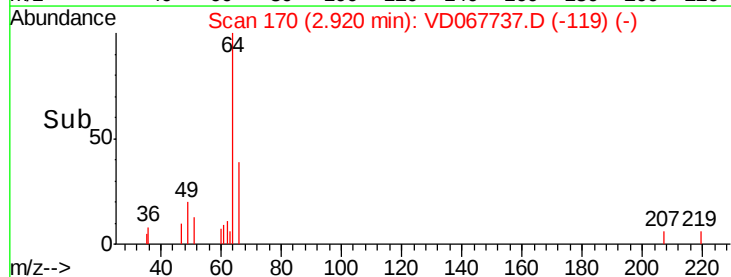
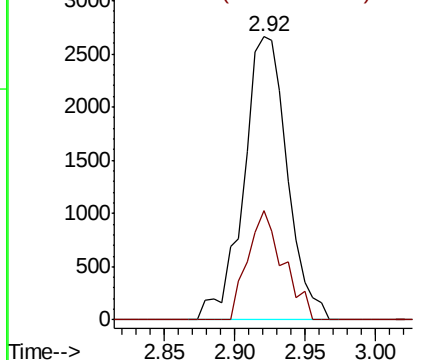
64 100

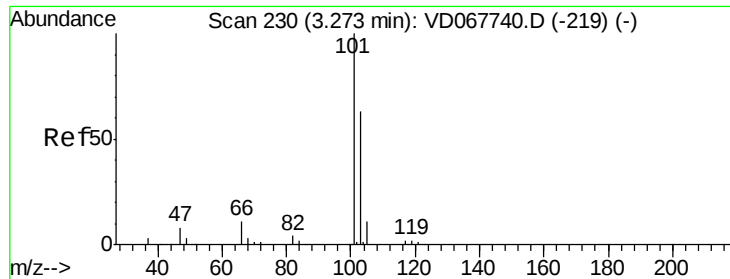
66 38.5 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



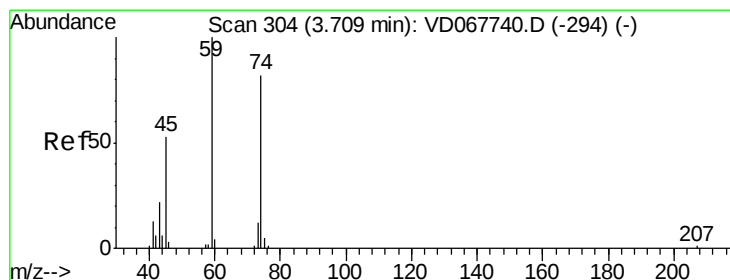
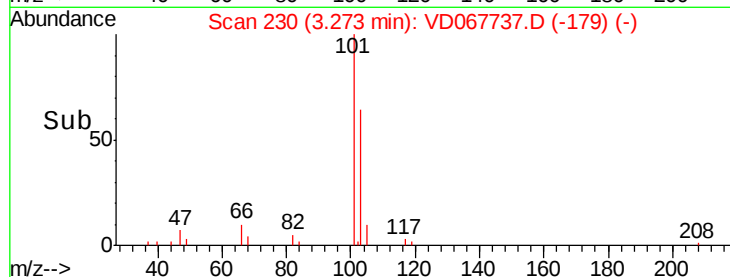
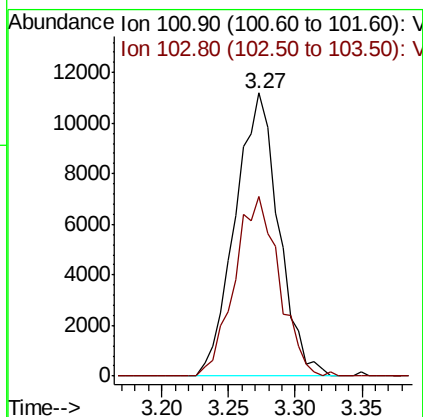
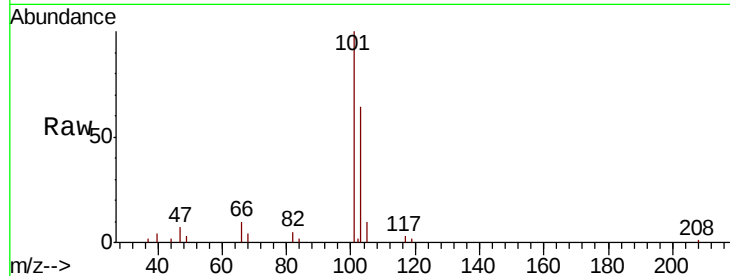


#7

Trichlorofluoromethane
 Concen: 5.078 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD067737.D
 Acq: 23 Nov 2020 10:56

Instrument :
 MSVOA_D
 ClientSampleId :
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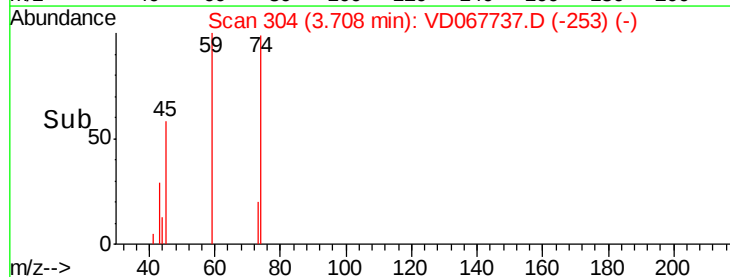
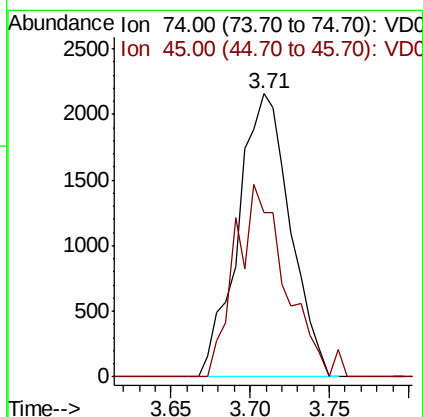
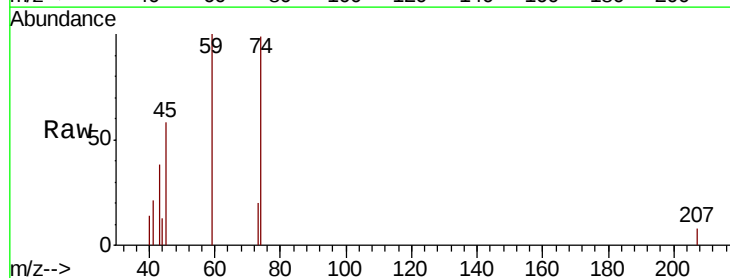
Tot Ion:101 Resp: 25319
 Ion Ratio Lower Upper
 101 100
 103 63.7 50.3 75.5

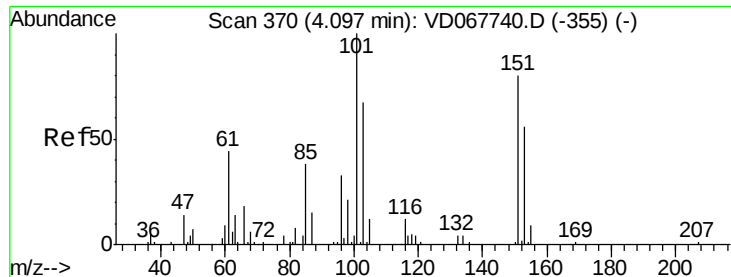


#8

Diethyl Ether
 Concen: 4.917 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD067737.D
 Acq: 23 Nov 2020 10:56

Tgt Ion: 74 Resp: 4947
 Ion Ratio Lower Upper
 74 100
 45 65.8 35.9 107.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.316 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

Instrument :

MSVOA_D

ClientSampled :

BFB

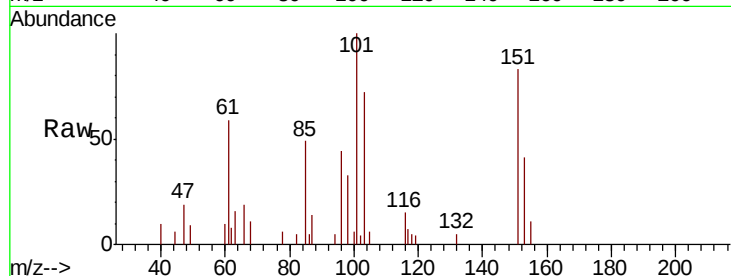
Tot Ion:101 Resp: 12627

Ion Ratio Lower Upper

101 100

85 45.5 35.5 53.3

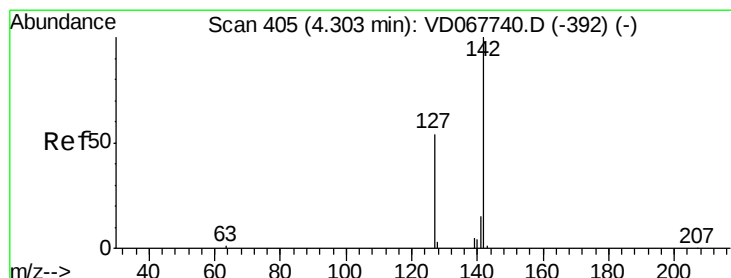
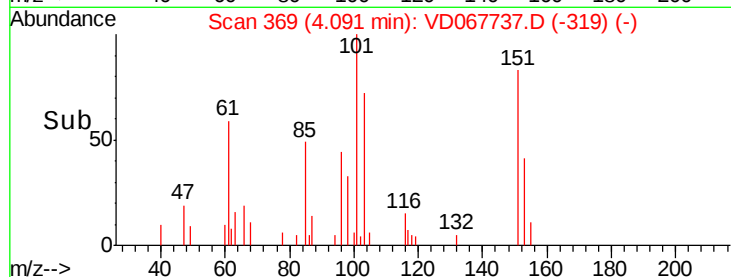
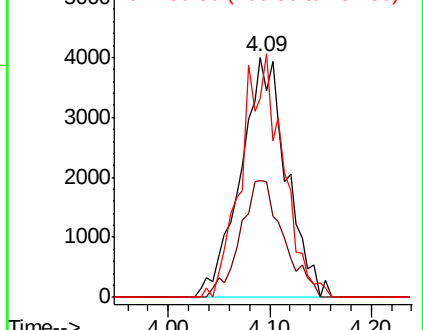
151 46.2 69.4 104.0#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 1.899 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

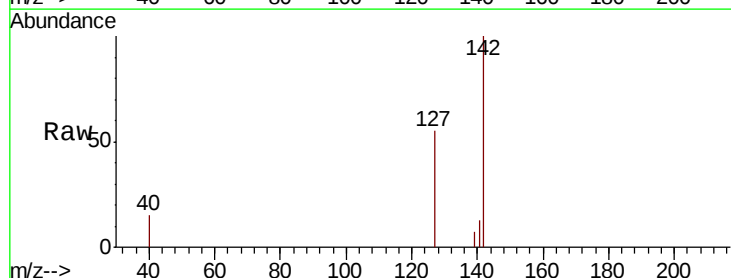
Tgt Ion:142 Resp: 4627

Ion Ratio Lower Upper

142 100

127 51.6 42.2 63.2

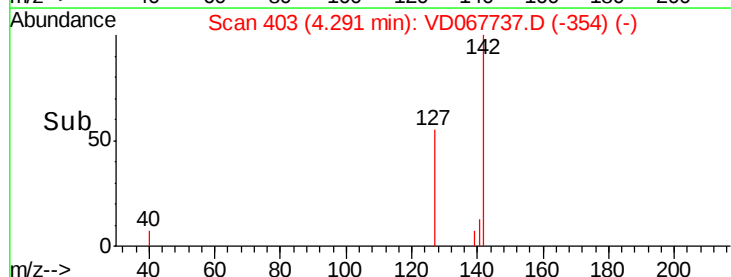
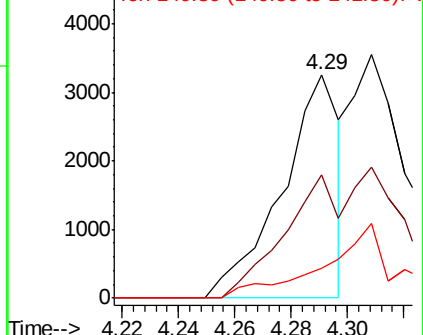
141 39.8 11.8 17.6#

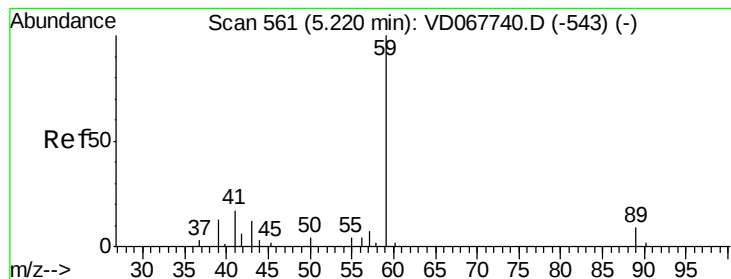


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



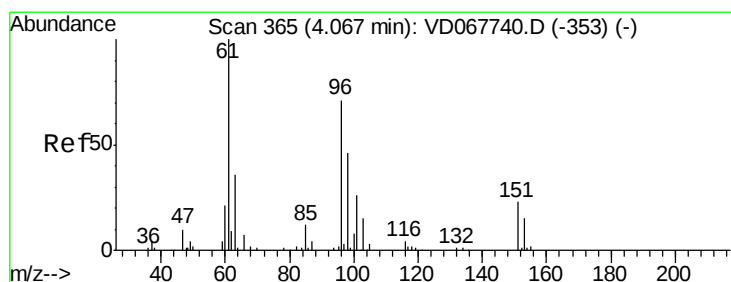
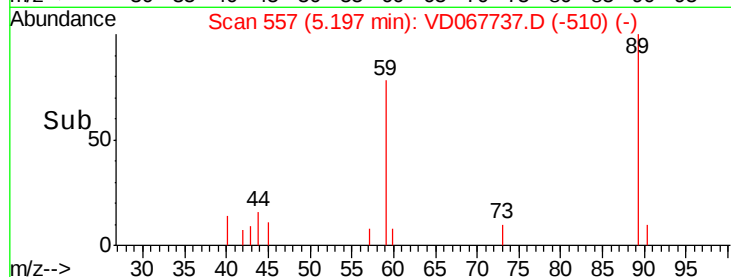
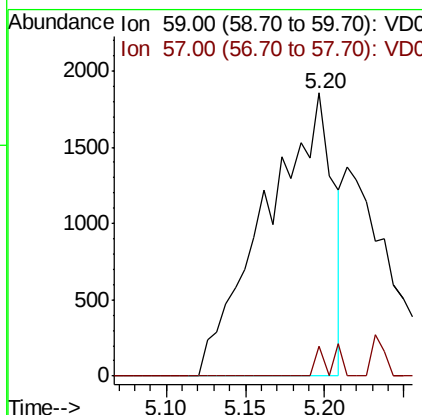
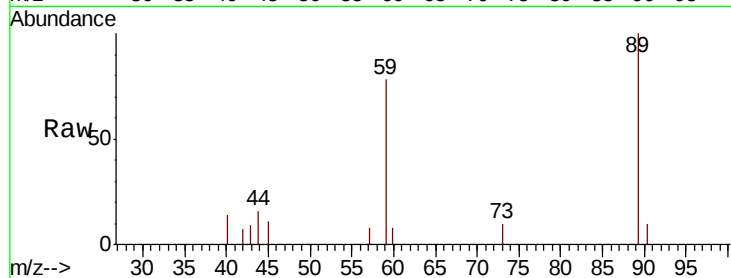


#11

Tert butyl alcohol
 Concen: 28.233 ug/l
 RT: 5.20 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD067737.D
 Acq: 23 Nov 2020 10:56

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

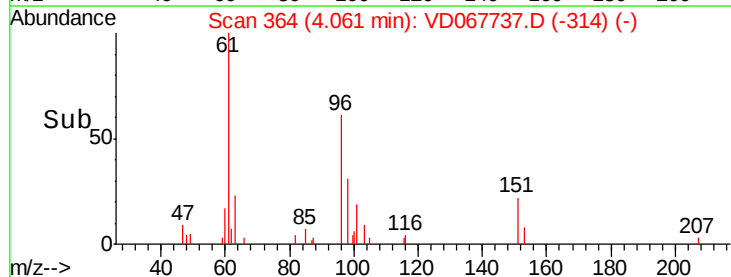
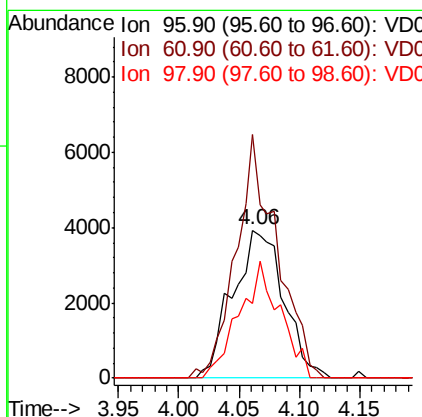
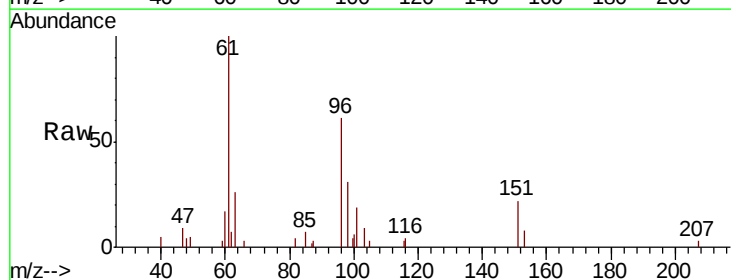
Tot Ion: 59 Resp: 5460
 Ion Ratio Lower Upper
 59 100
 57 2.7 3.4 5.0#

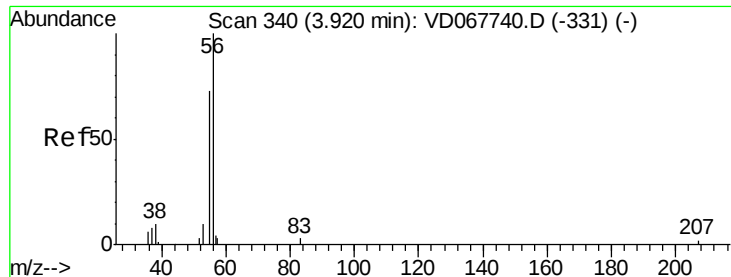


#12

1,1-Dichloroethene
 Concen: 5.279 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD067737.D
 Acq: 23 Nov 2020 10:56

Tgt Ion: 96 Resp: 11533
 Ion Ratio Lower Upper
 96 100
 61 165.0 112.9 169.3
 98 50.8 52.4 78.6#





#13

Acrolein

Concen: 23.203 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

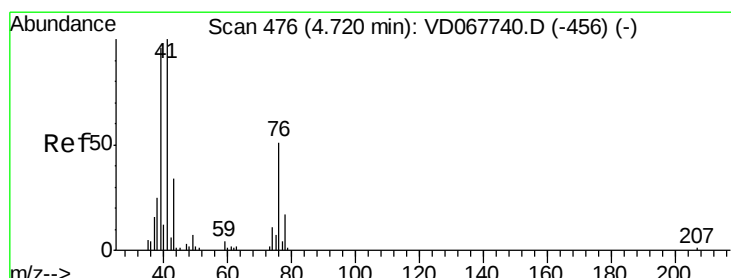
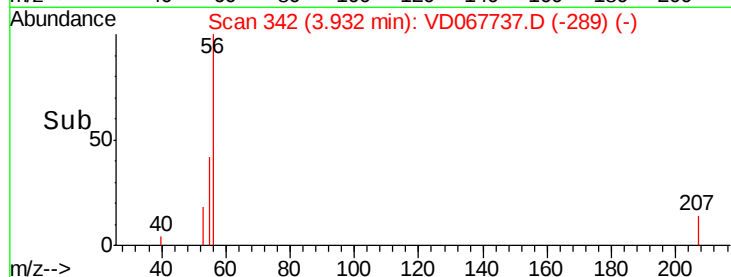
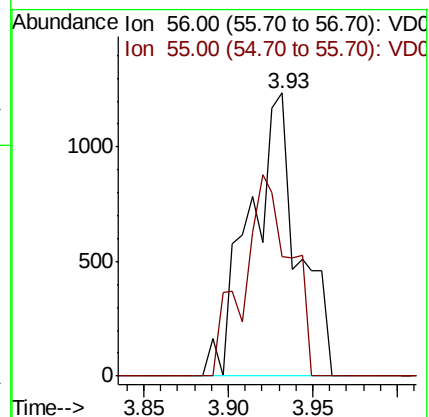
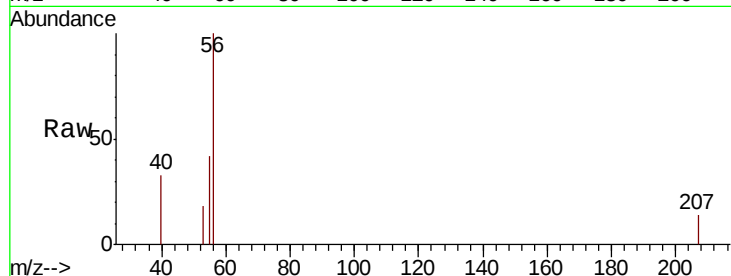
BFB

Tot Ion: 56 Resp: 2480

Ion Ratio Lower Upper

56 100

55 69.0 61.2 91.8



#14

Allyl chloride

Concen: 4.871 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

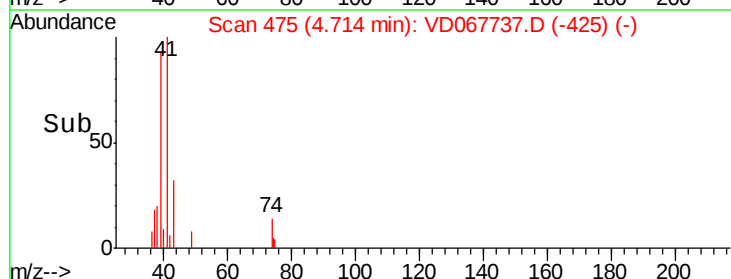
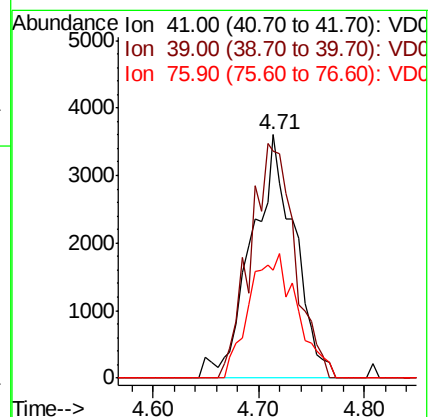
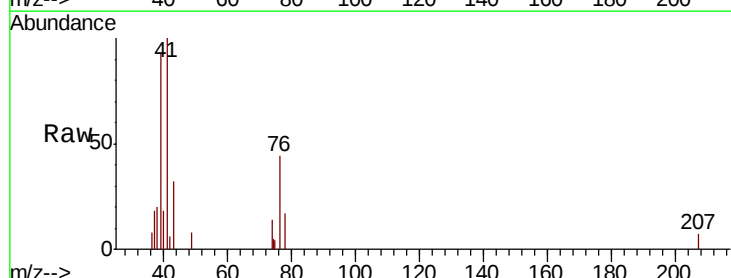
Tgt Ion: 41 Resp: 10224

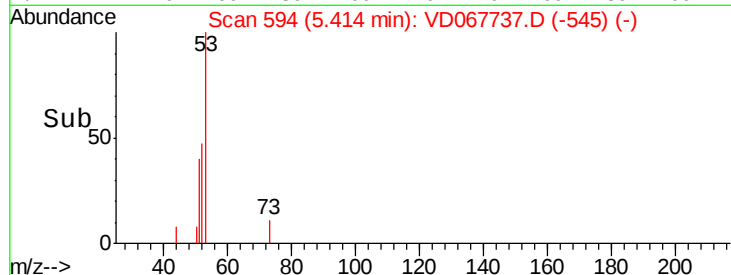
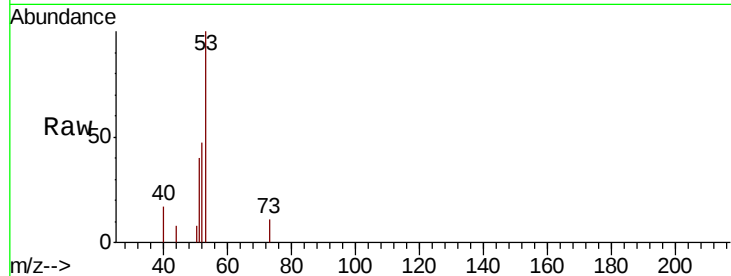
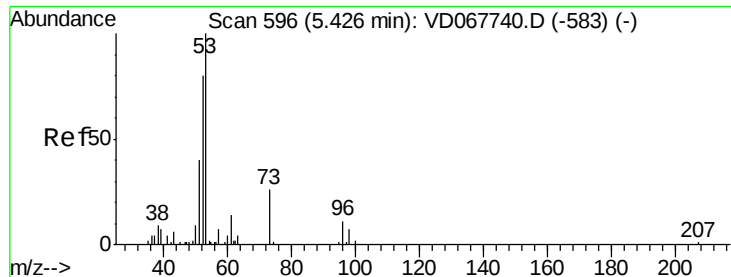
Ion Ratio Lower Upper

41 100

39 99.7 74.6 111.8

76 56.8 43.3 64.9





#15

Acrylonitrile

Concen: 12.616 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

Instrument :

MSVOA_D

ClientSampleID :

BFB

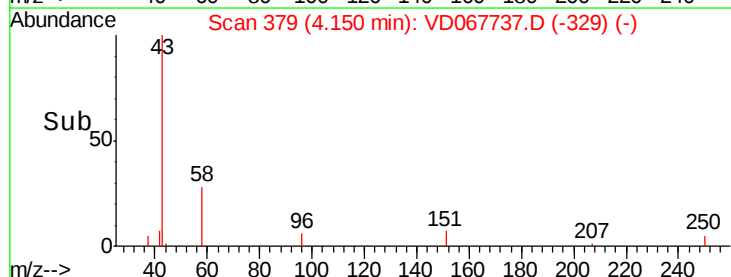
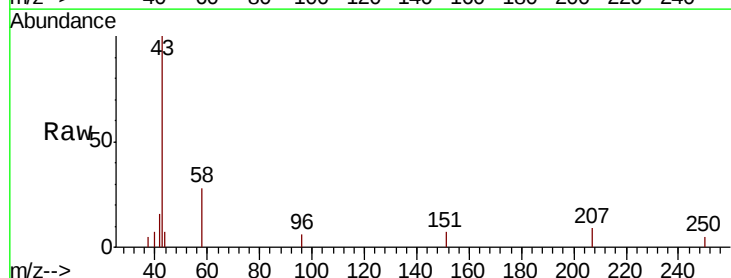
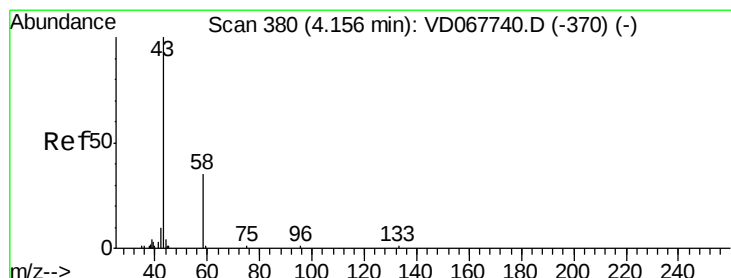
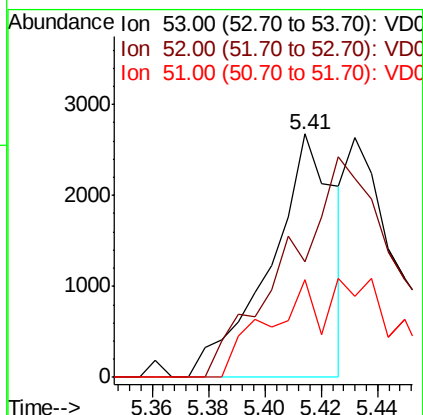
Tot Ion: 53 Resp: 4302

Ion Ratio Lower Upper

53 100

52 0.0 63.4 95.2#

51 31.3 31.4 47.2#



#16

Acetone

Concen: 23.337 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067737.D

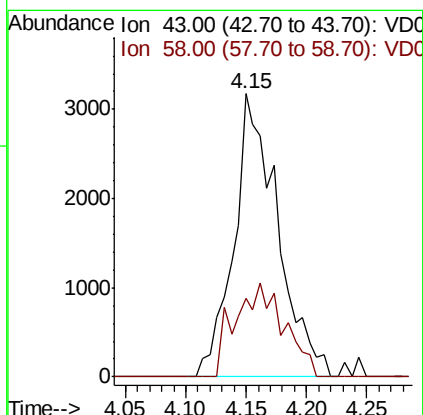
Acq: 23 Nov 2020 10:56

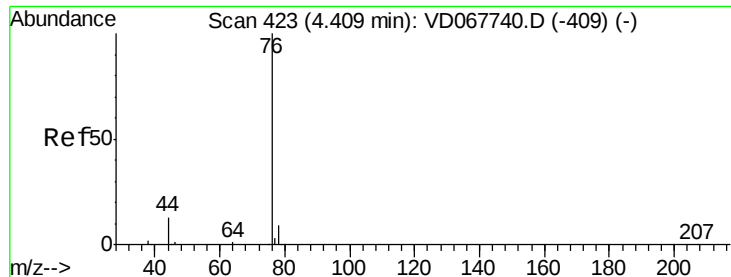
Tgt Ion: 43 Resp: 8005

Ion Ratio Lower Upper

43 100

58 27.9 27.6 41.4





#17

Carbon Disulfide

Concen: 4.734 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

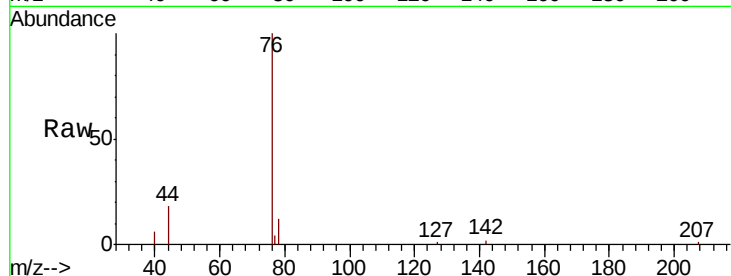
BFB

Tot Ion: 76 Resp: 30306

Ion Ratio Lower Upper

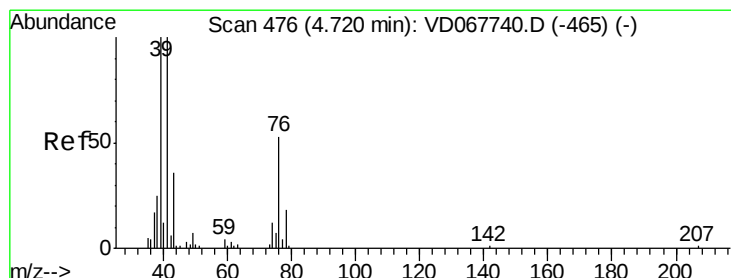
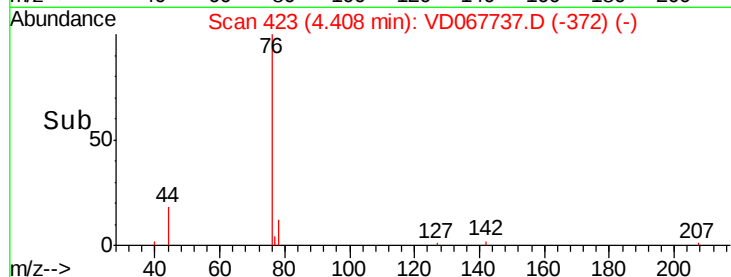
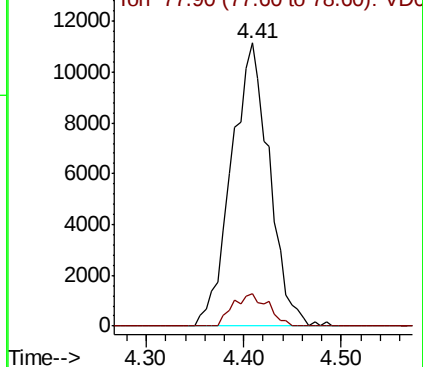
76 100

78 11.5 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 5.582 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067737.D

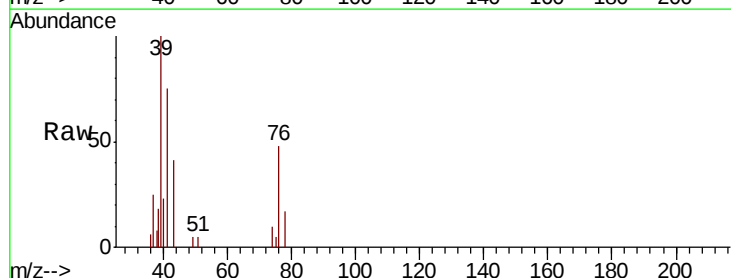
Acq: 23 Nov 2020 10:56

Tgt Ion: 43 Resp: 3695

Ion Ratio Lower Upper

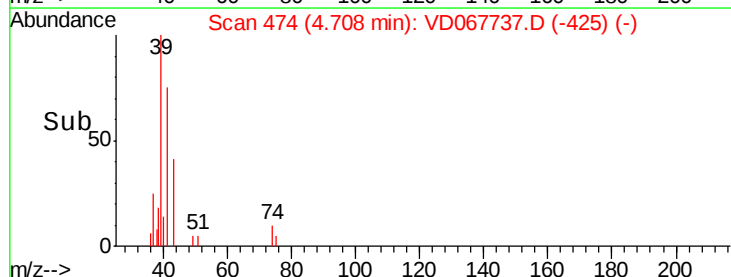
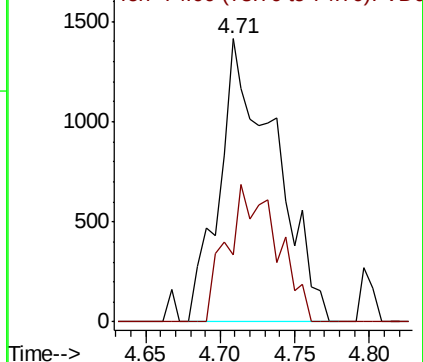
43 100

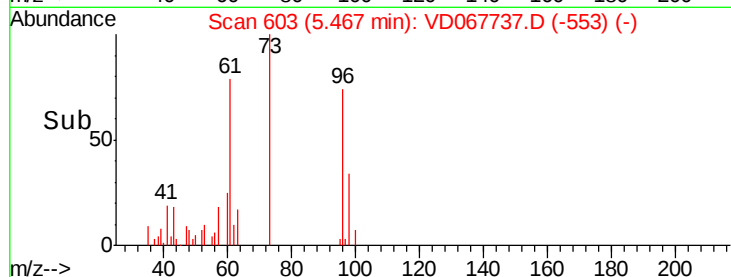
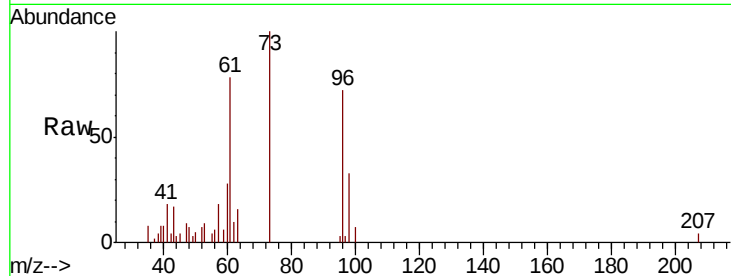
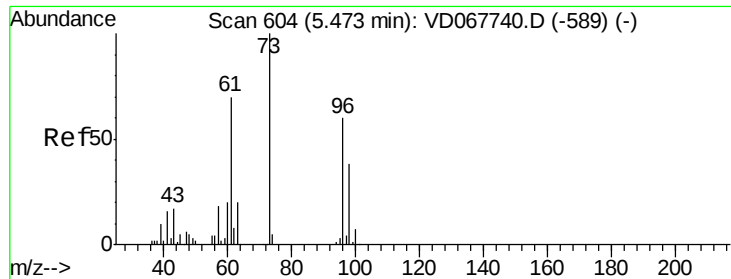
74 43.3 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

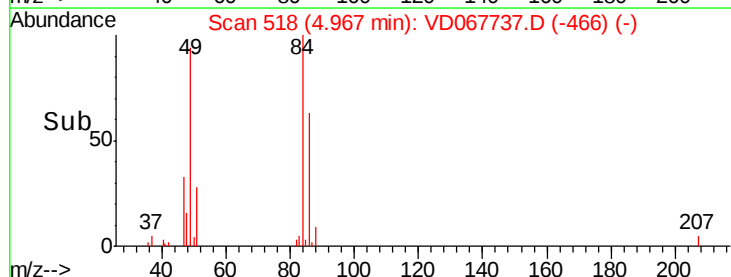
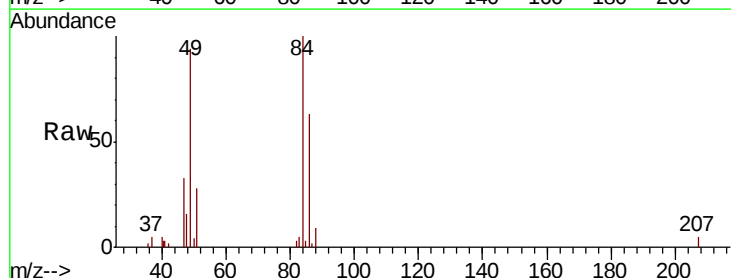
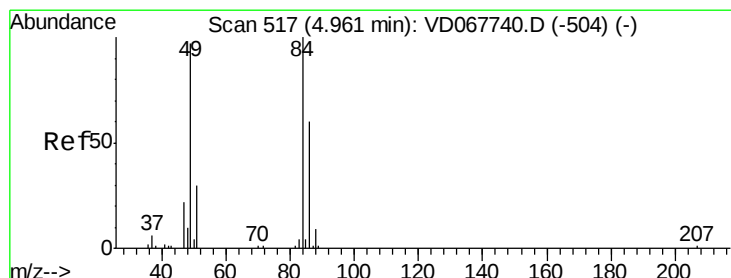
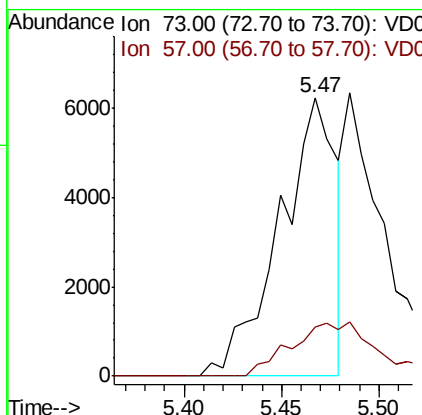




#19
Methvl tert-butvl Ether
Concen: 2.682 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

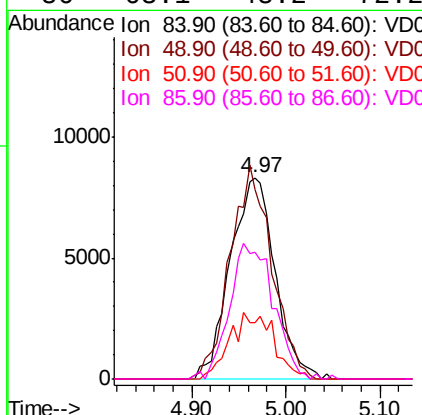
Instrument :
MSVOA_D
ClientSampleId :
BFB

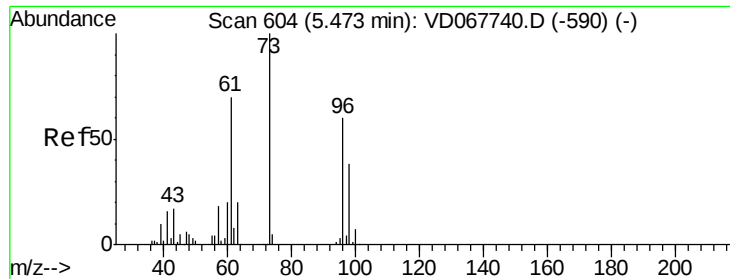
Tot Ion: 73 Resp: 12531
Ion Ratio Lower Upper
73 100
57 17.6 14.8 22.2



#20
Methylene Chloride
Concen: 8.087 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

Tgt Ion: 84 Resp: 27501
Ion Ratio Lower Upper
84 100
49 94.3 77.4 116.2
51 28.0 24.1 36.1
86 63.1 48.2 72.2

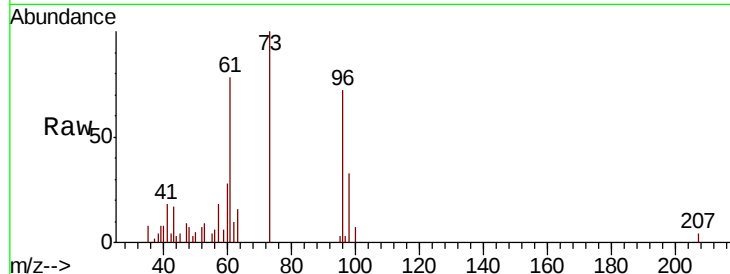




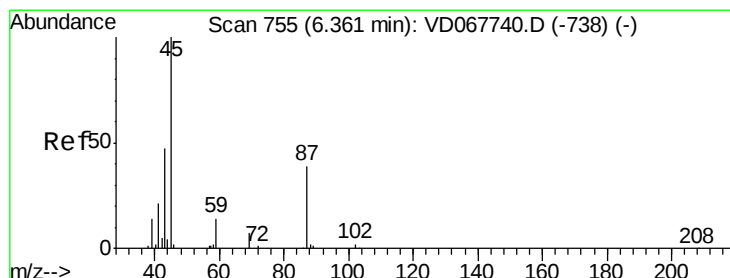
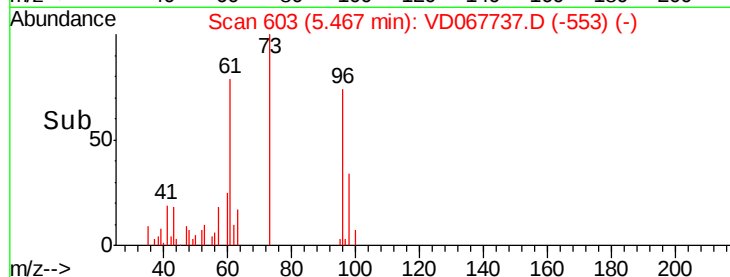
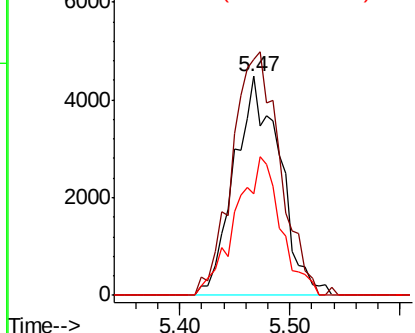
#21
trans-1,2-Dichloroethene
Concen: 5.322 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tot Ion: 96 Resp: 13014
Ion Ratio Lower Upper
96 100
61 108.0 94.0 141.0
98 46.6 51.3 76.9#

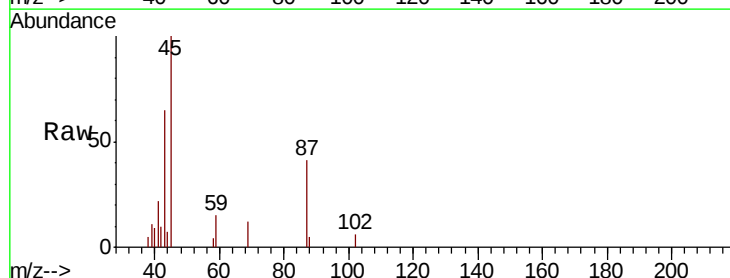


Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC

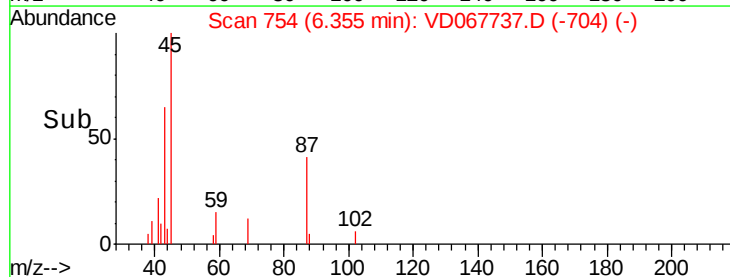
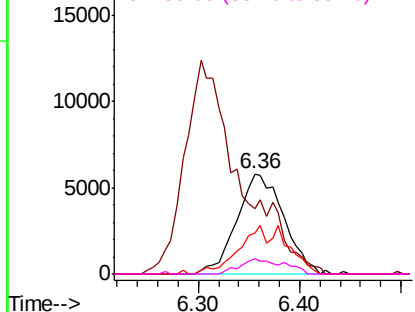


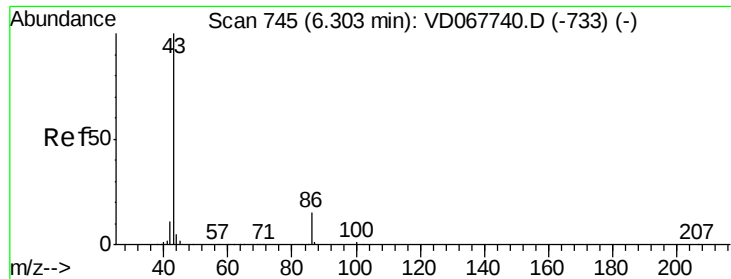
#22
Diisopropyl ether
Concen: 4.513 ug/l
RT: 6.36 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

Tgt Ion: 45 Resp: 18644
Ion Ratio Lower Upper
45 100
43 65.2 46.8 70.2
87 41.0 32.9 49.3
59 15.5 11.2 16.8



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 20.087 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

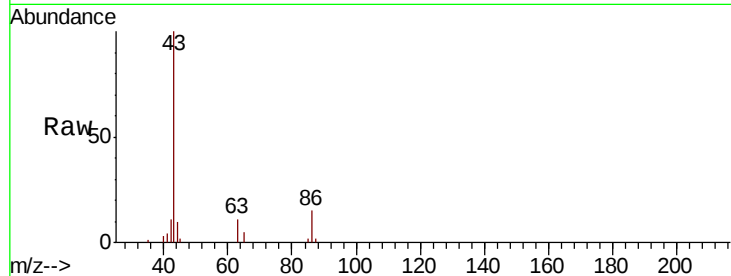
BFB

Tot Ion: 43 Resp: 47119

Ion Ratio Lower Upper

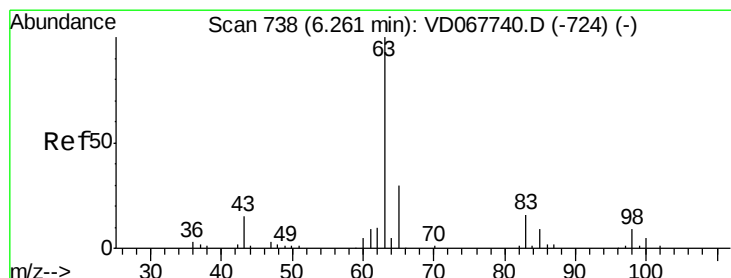
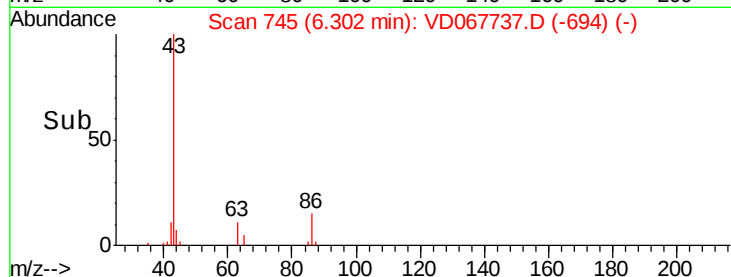
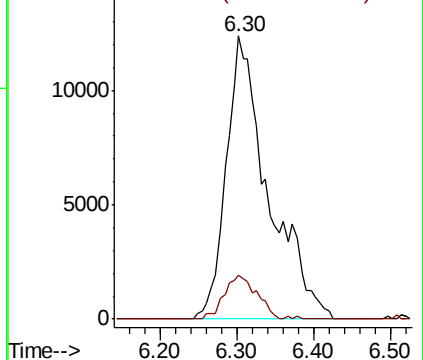
43 100

86 15.4 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 4.737 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

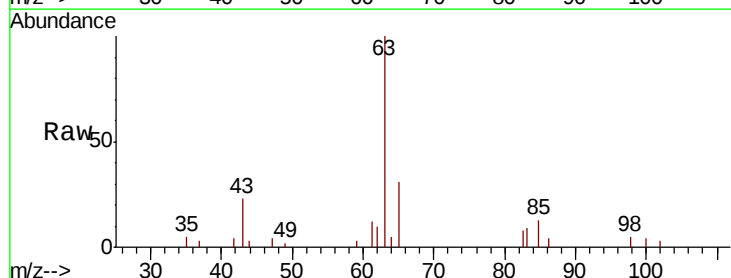
Tgt Ion: 63 Resp: 16935

Ion Ratio Lower Upper

63 100

98 4.8 4.4 13.2

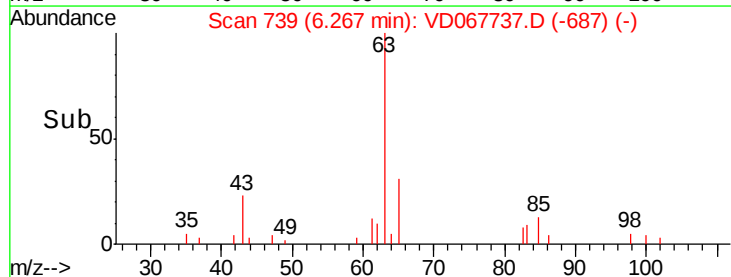
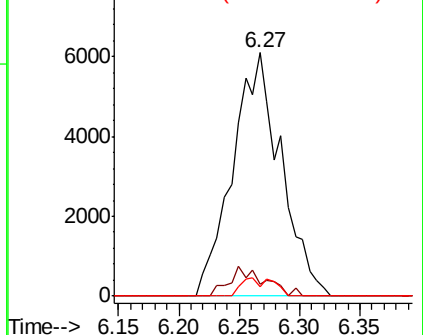
100 3.7 2.6 8.0

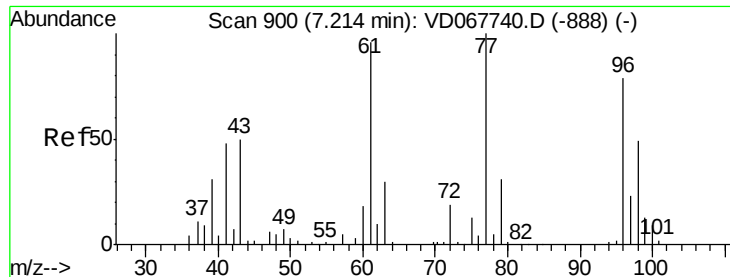


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 27.728 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

Instrument :

MSVOA_D

ClientSampled :

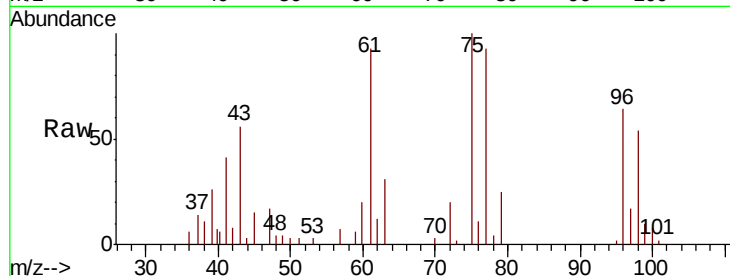
BFB

Tot Ion: 43 Resp: 10155

Ion Ratio Lower Upper

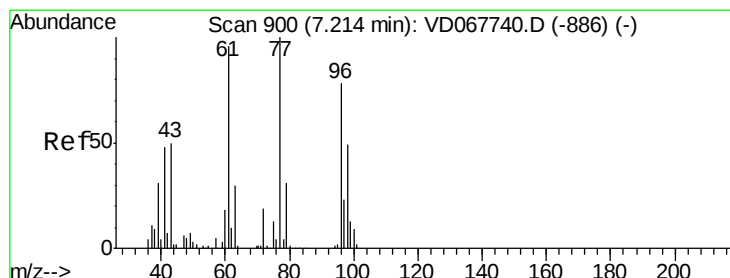
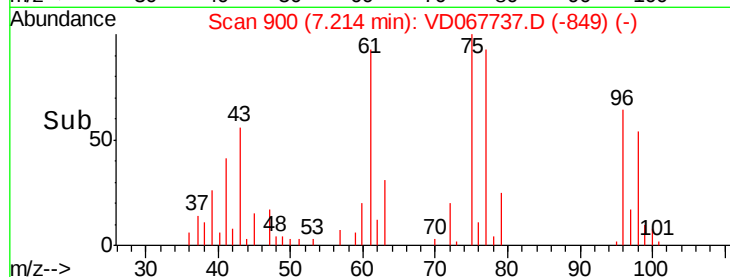
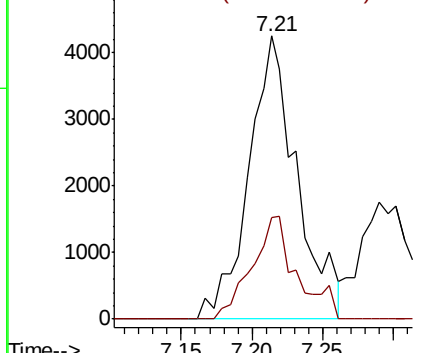
43 100

72 35.8 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 5.263 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067737.D

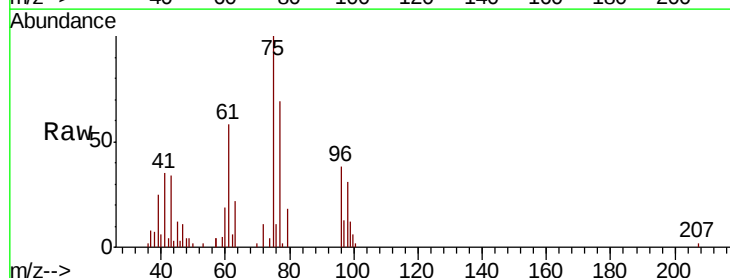
Acq: 23 Nov 2020 10:56

Tgt Ion: 77 Resp: 22032

Ion Ratio Lower Upper

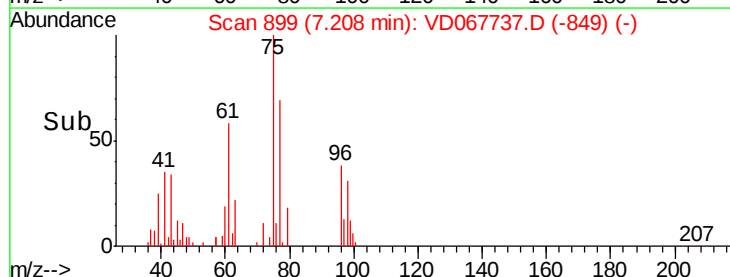
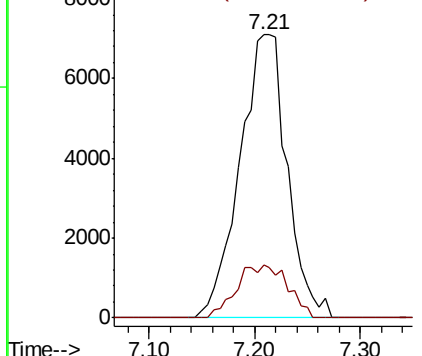
77 100

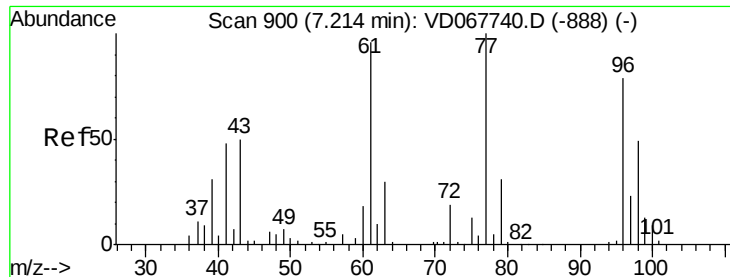
97 9.3 11.1 33.3#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



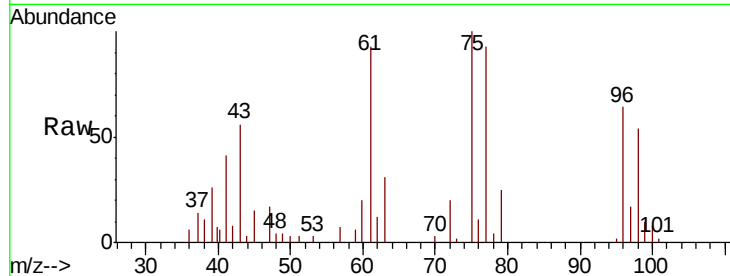


#27

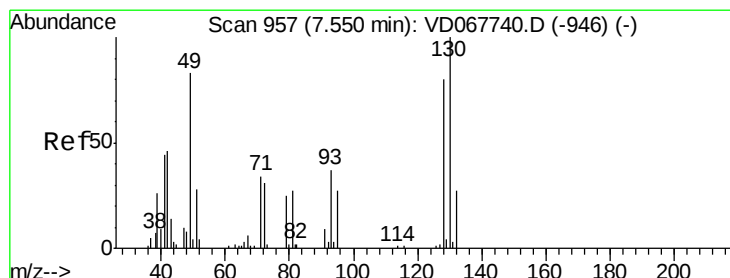
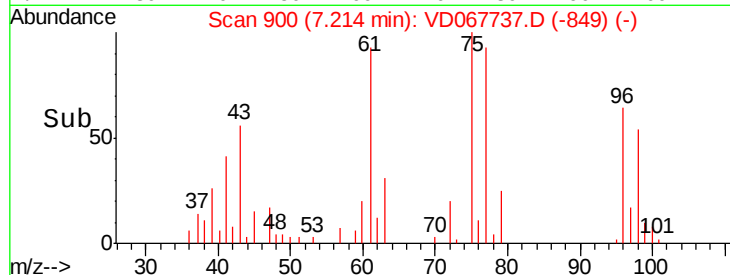
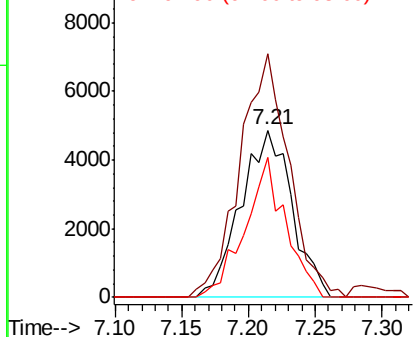
cis-1,2-Dichloroethene
Concen: 4.892 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

Instrument :
MSVOA_D
ClientSampled :
BFB

Tot Ion: 96 Resp: 12909
Ion Ratio Lower Upper
96 100
61 139.6 0.0 258.0
98 66.5 0.0 131.8



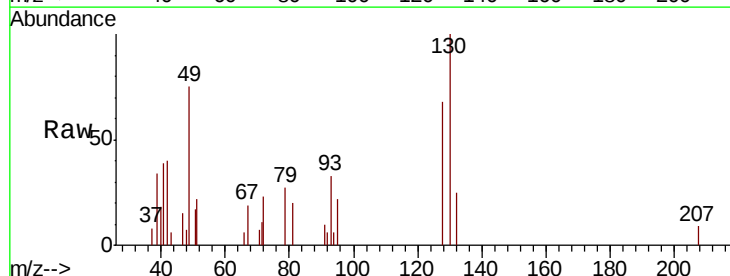
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



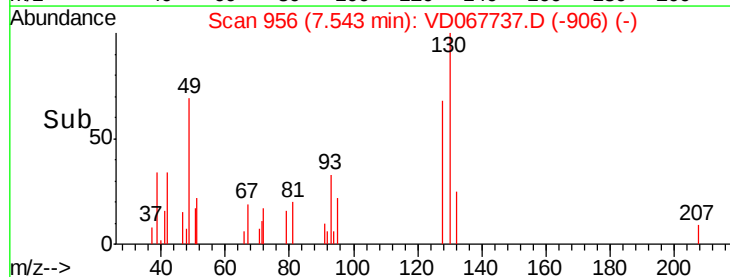
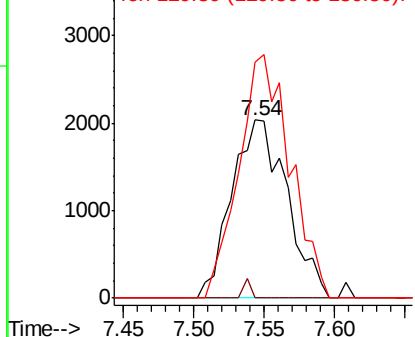
#28

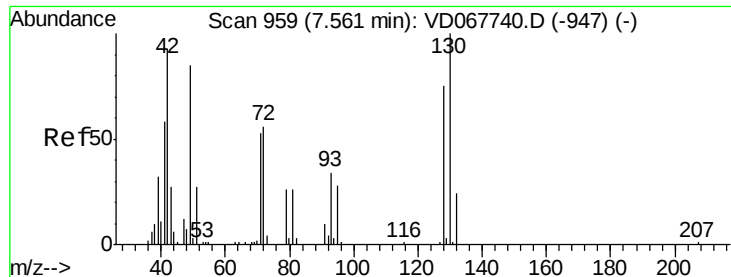
Bromochloromethane
Concen: 4.875 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

Tgt Ion: 49 Resp: 5565
Ion Ratio Lower Upper
49 100
129 1.4 0.0 7.0
130 127.3 102.2 153.4



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

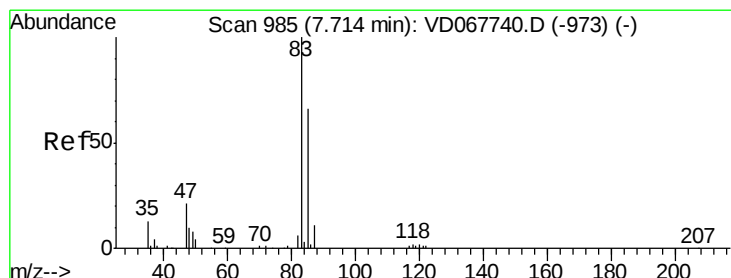
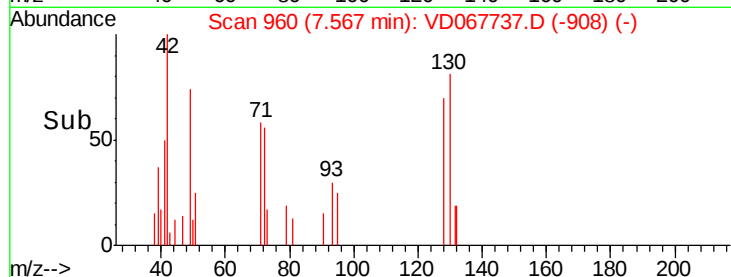
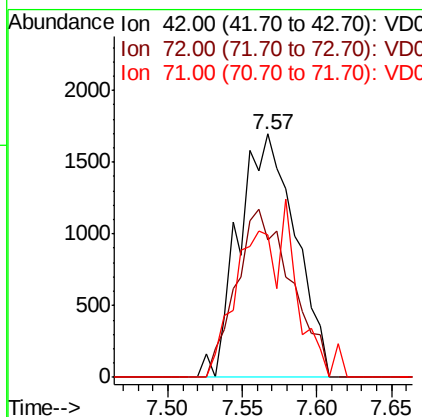
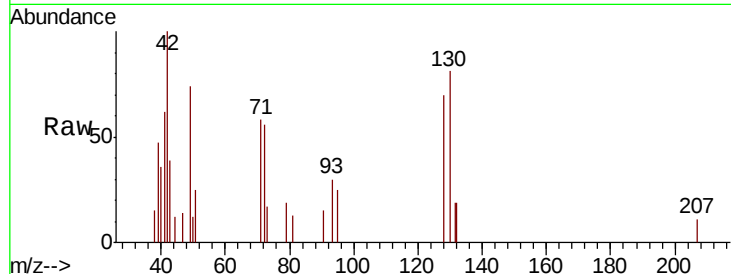




#29
Tetrahydrofuran
Concen: 20.952 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

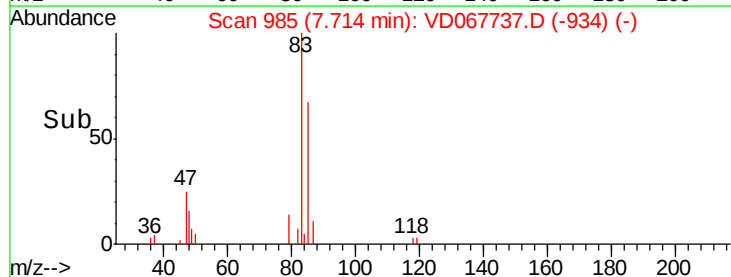
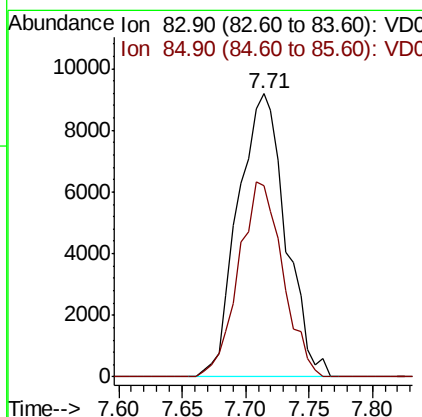
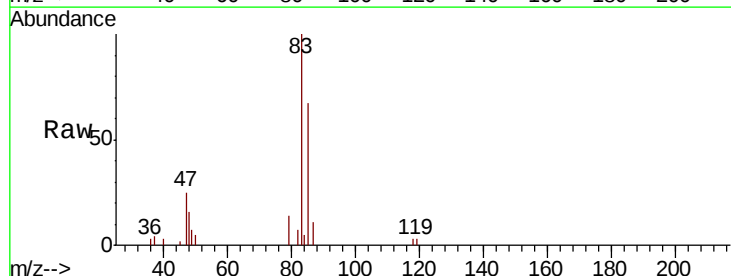
Instrument :
MSVOA_D
ClientSampleId :
BFB

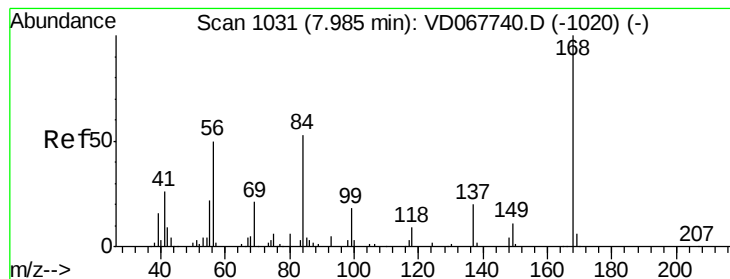
Tot Ion: 42 Resp: 4498
Ion Ratio Lower Upper
42 100
72 66.8 49.3 73.9
71 43.0 45.9 68.9#



#30
Chloroform
Concen: 5.190 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

Tgt Ion: 83 Resp: 24063
Ion Ratio Lower Upper
83 100
85 67.4 53.1 79.7





#31

Cyclohexane

Concen: 6.323 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

BFB

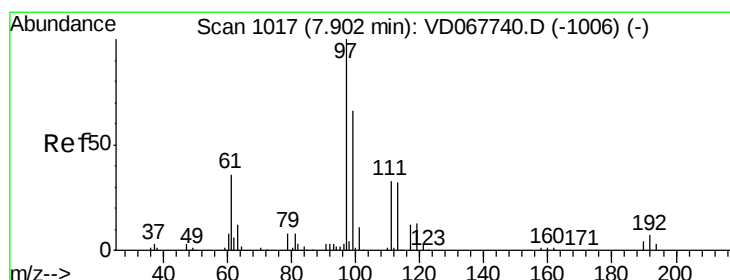
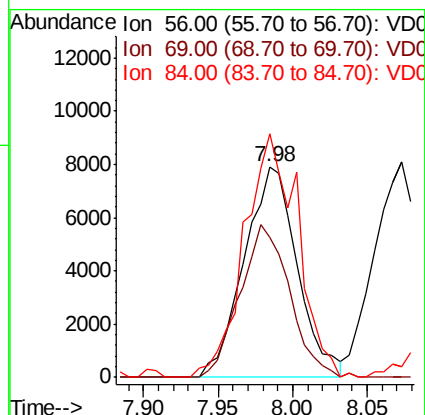
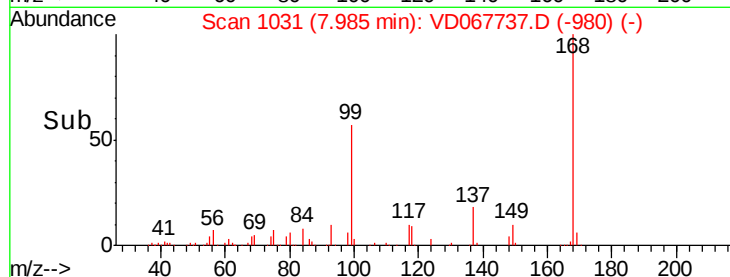
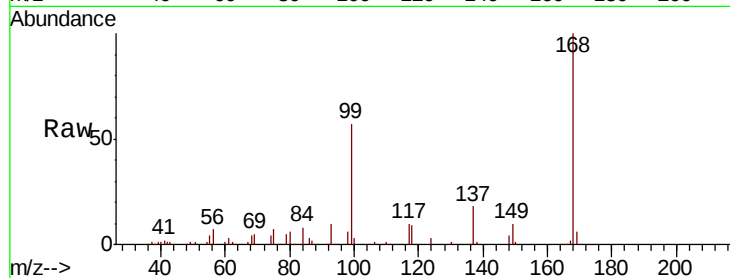
Tot Ion: 56 Resp: 19545

Ion Ratio Lower Upper

56 100

69 66.4 33.2 49.8#

84 115.4 84.8 127.2



#32

1,1,1-Trichloroethane

Concen: 5.139 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

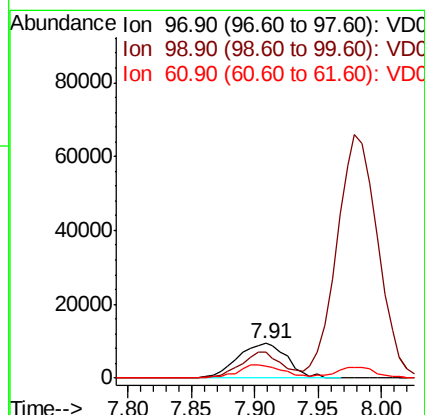
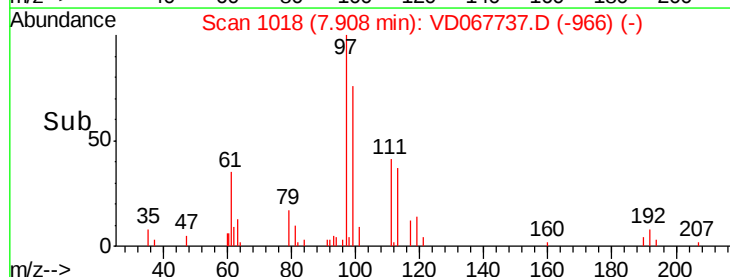
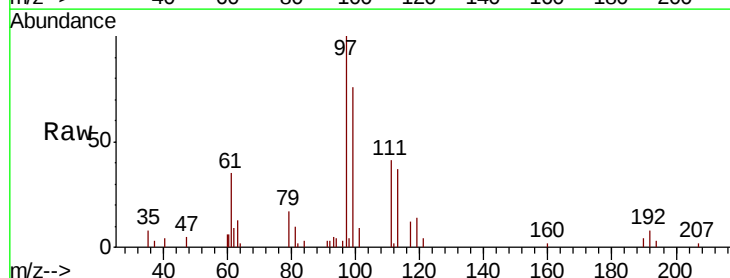
Tgt Ion: 97 Resp: 25389

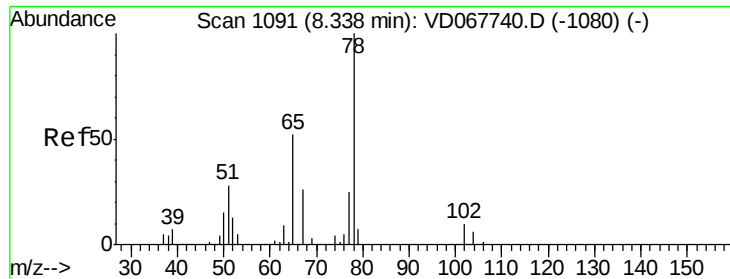
Ion Ratio Lower Upper

97 100

99 64.5 51.1 76.7

61 35.1 29.4 44.2

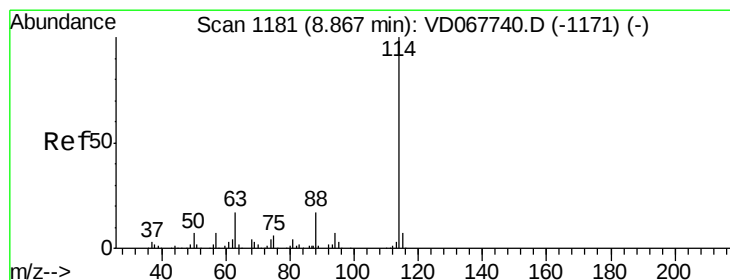
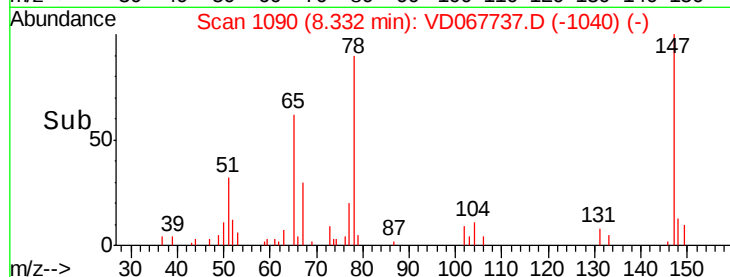
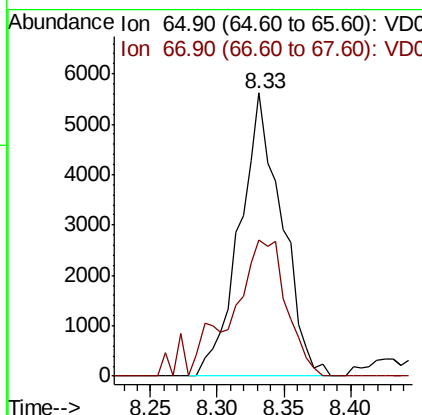
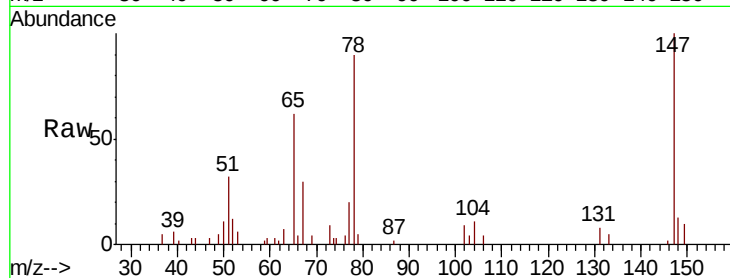




#33
 1,2-Dichloroethane-d4
 Concen: 4.729 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067737.D
 Acq: 23 Nov 2020 10:56

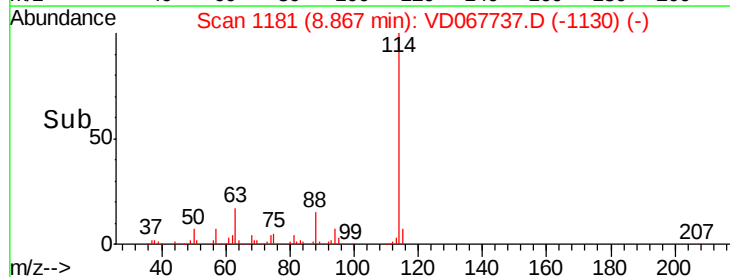
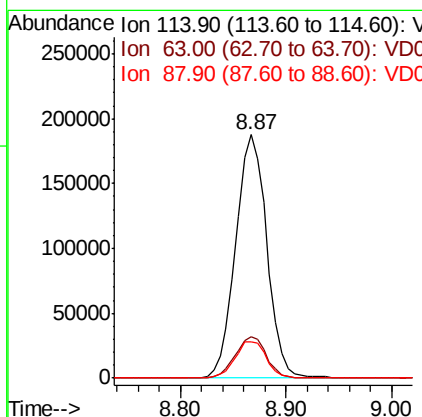
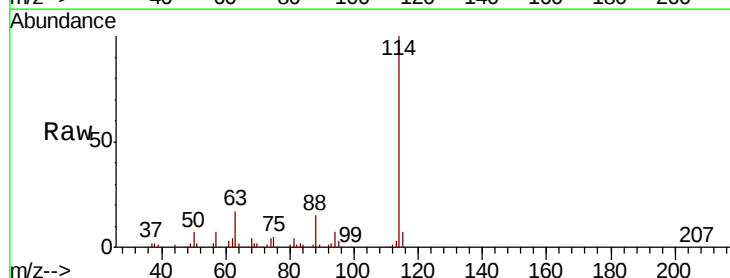
Instrument :
 MSVOA_D
 ClientSampleID :
 BFB

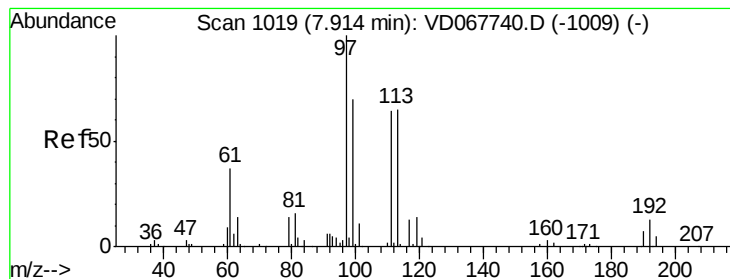
Tot Ion: 65 Resp: 12247
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD067737.D
 Acq: 23 Nov 2020 10:56

Tgt Ion: 114 Resp: 384173
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 34.8
 88 14.9 0.0 34.4





#35

Dibromofluoromethane

Concen: 4.527 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

BFB

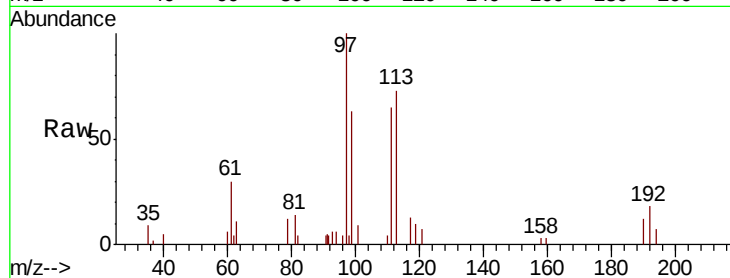
Tot Ion:113 Resp: 11134

Ion Ratio Lower Upper

113 100

111 113.3 81.4 122.0

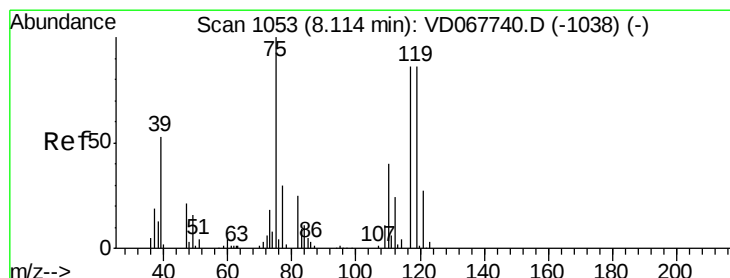
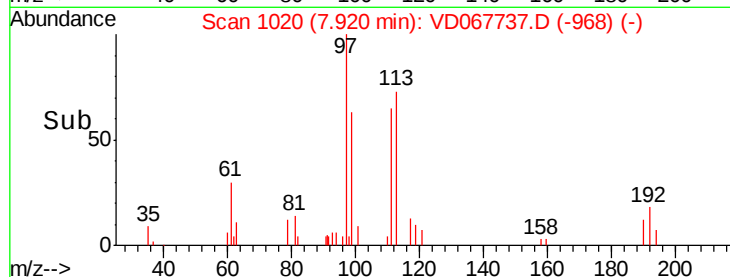
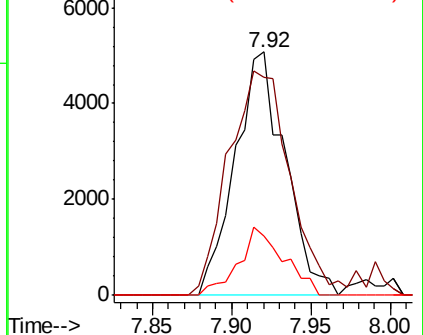
192 25.3 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.811 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

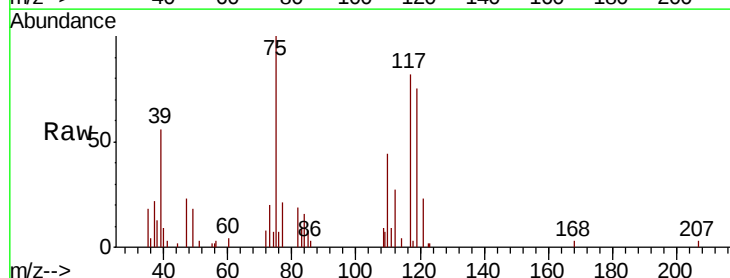
Tgt Ion: 75 Resp: 16000

Ion Ratio Lower Upper

75 100

110 43.6 20.1 60.2

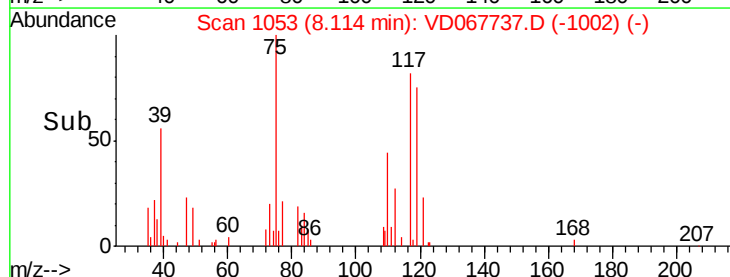
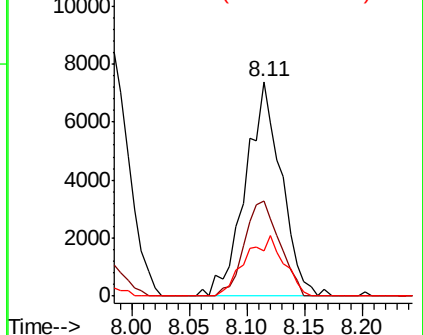
77 30.2 24.8 37.2

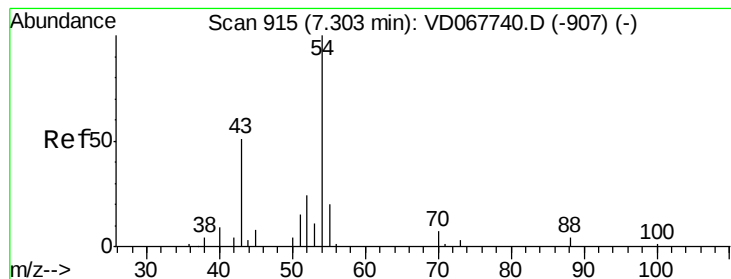


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 4.889 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

Instrument :

MSVOA_D

ClientSampleID :

BFB

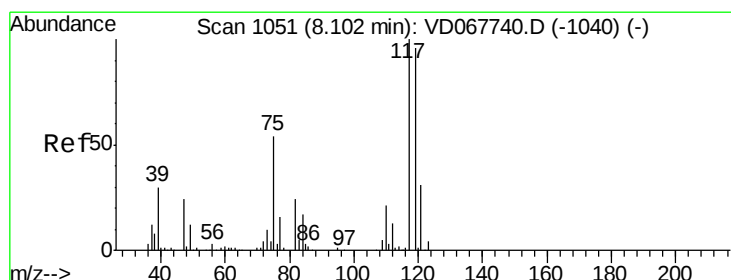
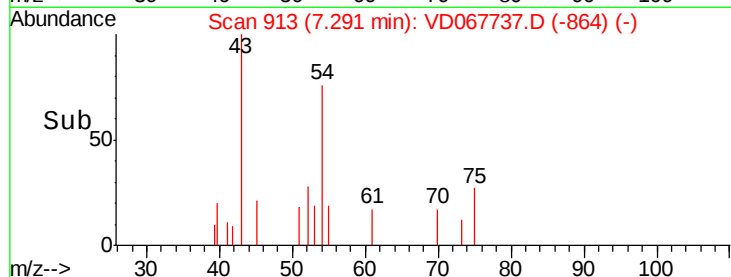
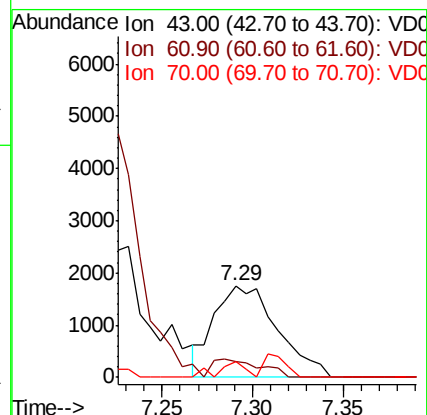
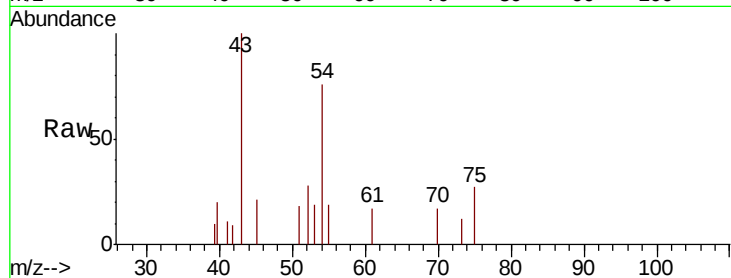
Tot Ion: 43 Resp: 4271

Ion Ratio Lower Upper

43 100

61 15.0 12.9 19.3

70 6.9 12.2 18.2#



#38

Carbon Tetrachloride

Concen: 4.931 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

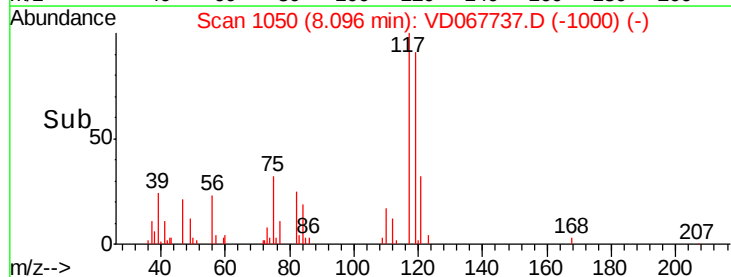
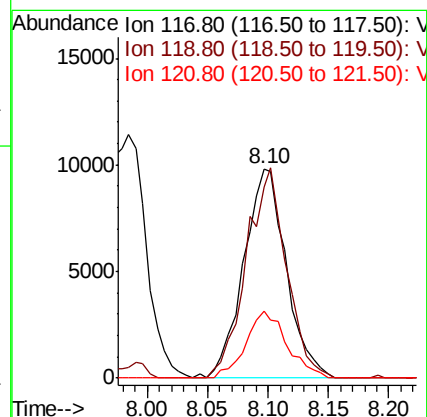
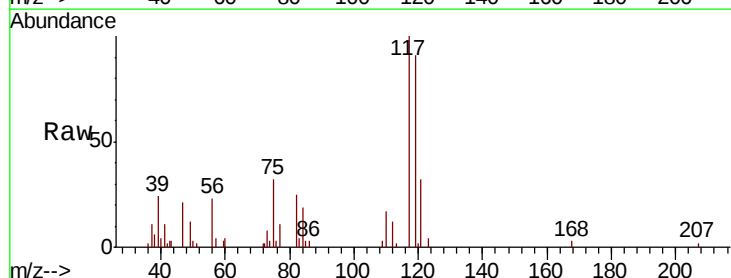
Tgt Ion: 117 Resp: 24063

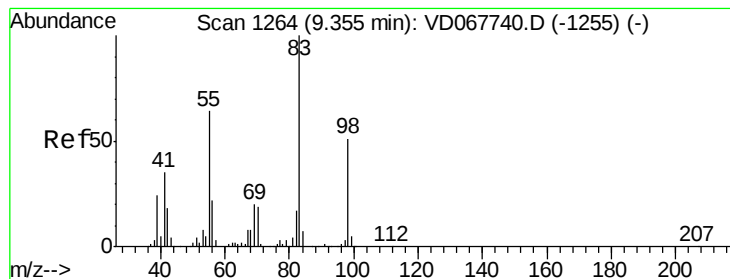
Ion Ratio Lower Upper

117 100

119 91.3 76.6 115.0

121 31.6 24.5 36.7





#39

Methvlcvclohexane

Concen: 4.782 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

Instrument :

MSVOA_D

ClientSampled :

BFB

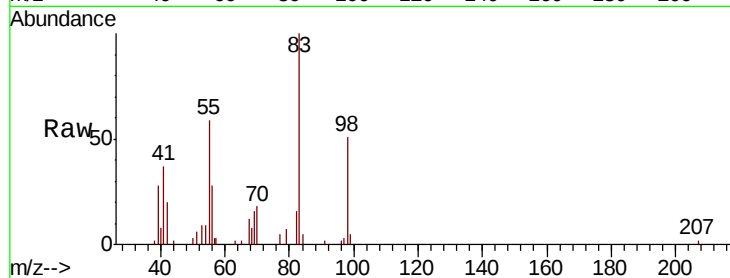
Tot Ion: 83 Resp: 18887

Ion Ratio Lower Upper

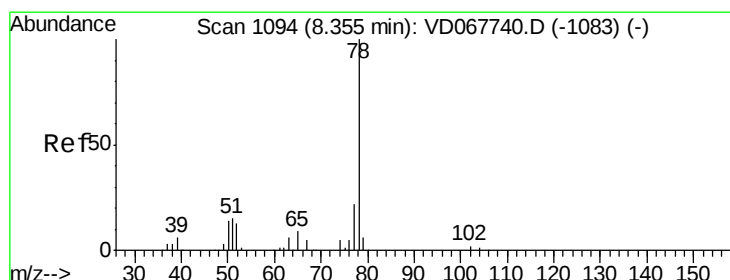
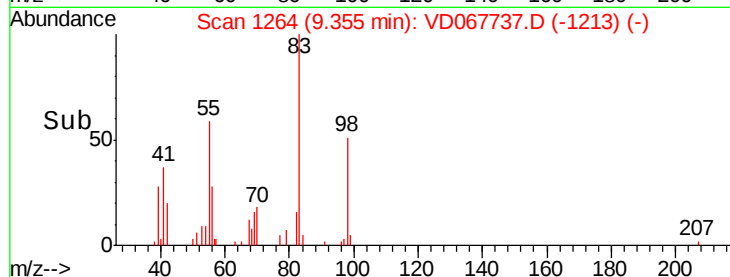
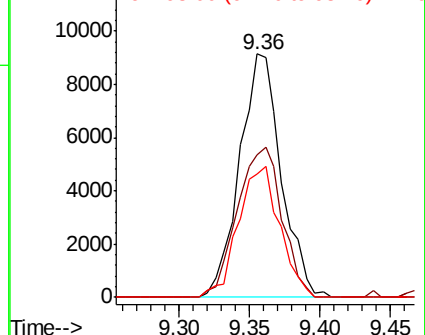
83 100

55 58.6 51.0 76.4

98 50.9 40.4 60.6



Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC



#40

Benzene

Concen: 5.011 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VD067737.D

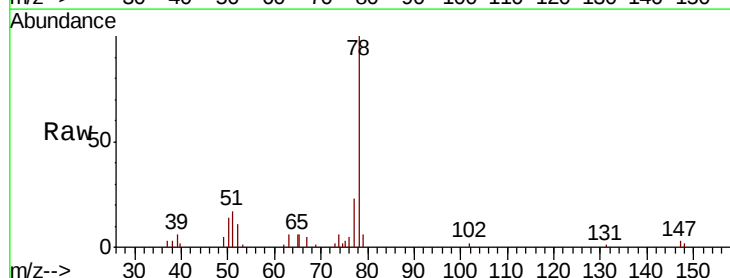
Acq: 23 Nov 2020 10:56

Tgt Ion: 78 Resp: 45957

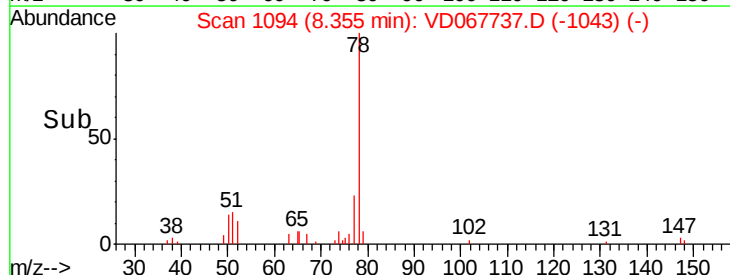
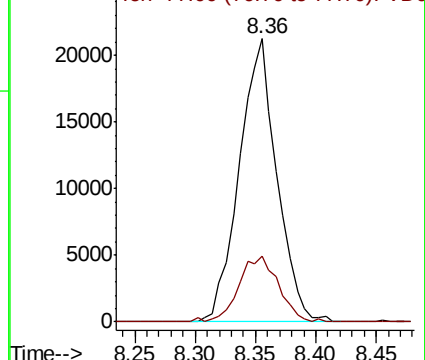
Ion Ratio Lower Upper

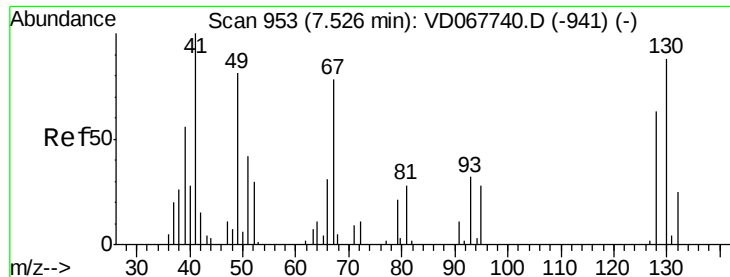
78 100

77 23.5 17.8 26.6



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC

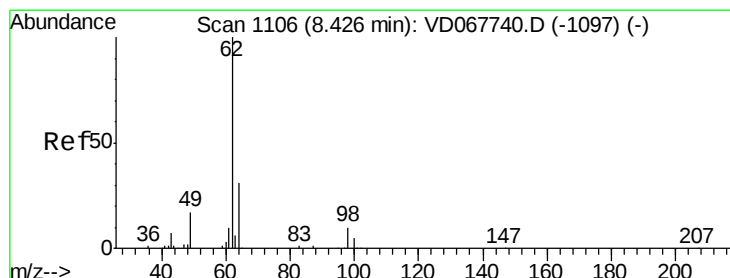
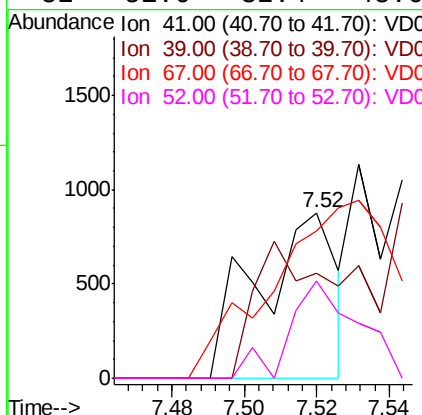
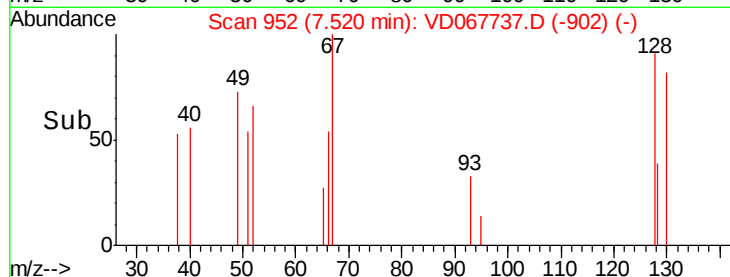
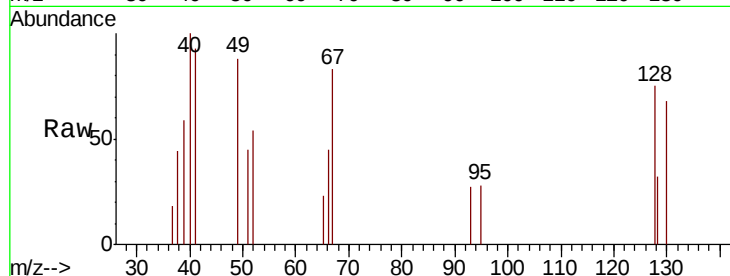




#41
Methacrylonitrile
Concen: 3.241 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

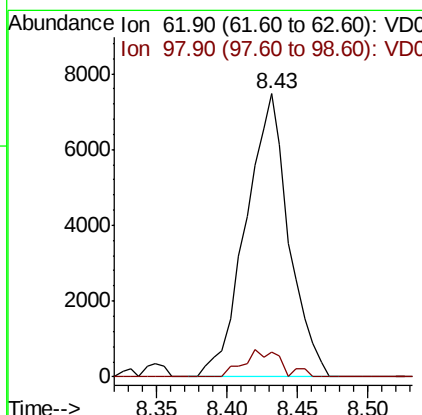
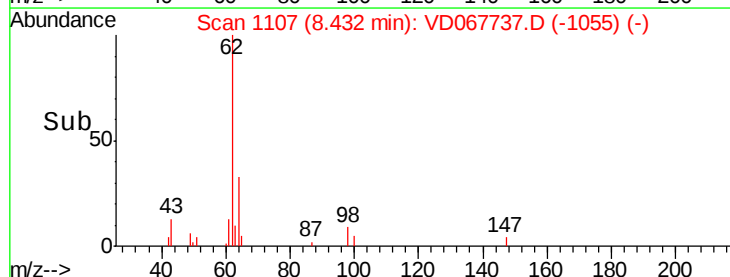
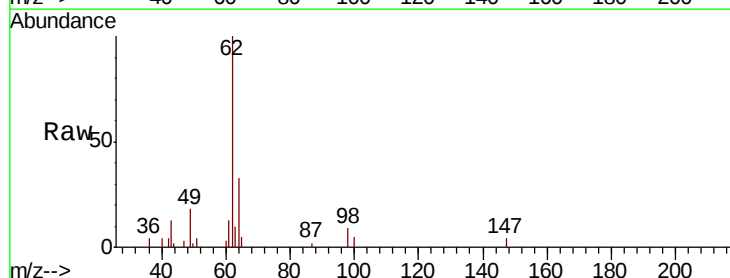
Instrument :
MSVOA_D
ClientSampleId :
BFB

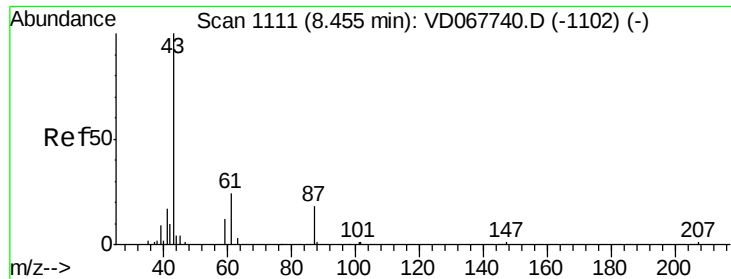
Tot Ion: 41 Resp: 1315
Ion Ratio Lower Upper
41 100
39 0.0 50.2 75.4#
67 177.0 79.0 118.6#
52 51.6 32.4 48.6#



#42
1,2-Dichloroethane
Concen: 5.170 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

Tgt Ion: 62 Resp: 15930
Ion Ratio Lower Upper
62 100
98 8.4 0.0 18.2

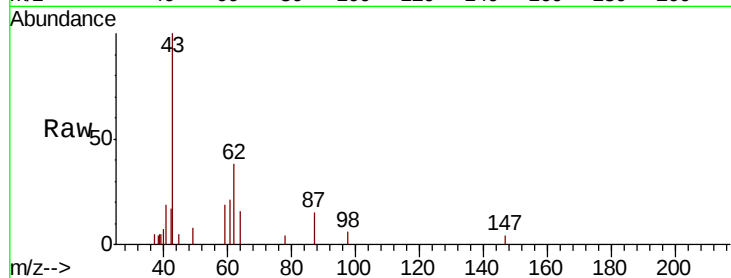




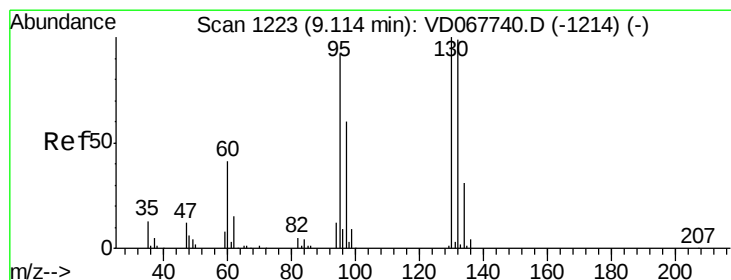
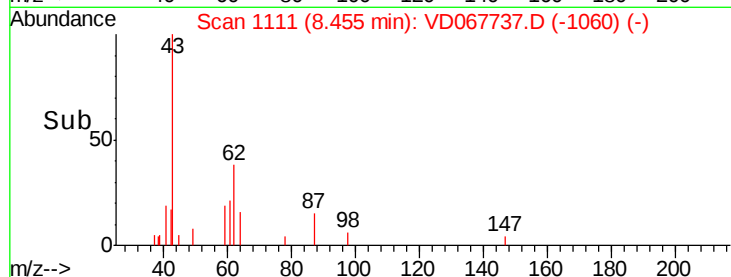
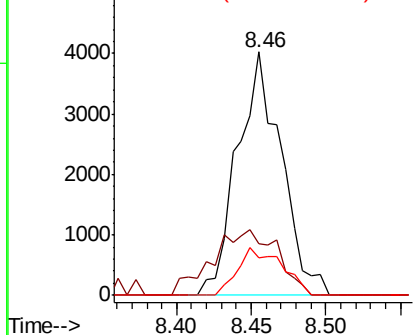
#43
Isopropyl Acetate
Concen: 4.656 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tot Ion: 43 Resp: 8230
Ion Ratio Lower Upper
43 100
61 40.1 30.2 45.4
87 19.7 14.2 21.4

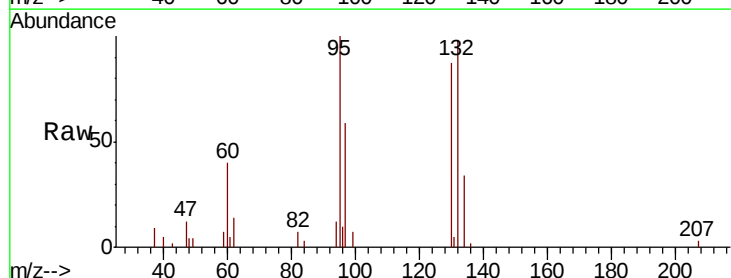


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

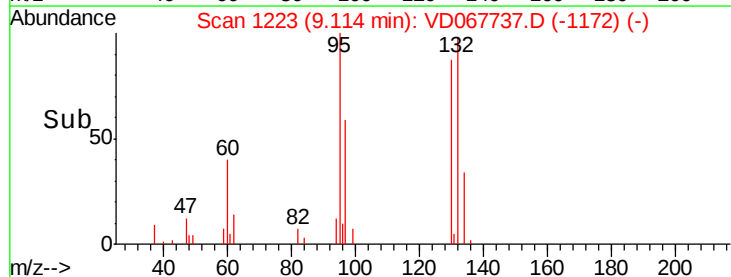
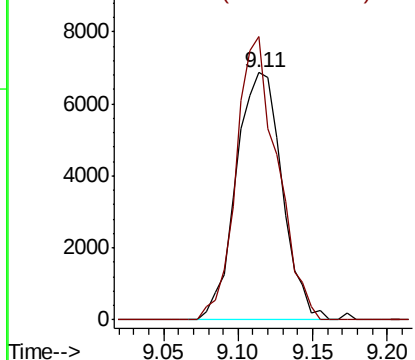


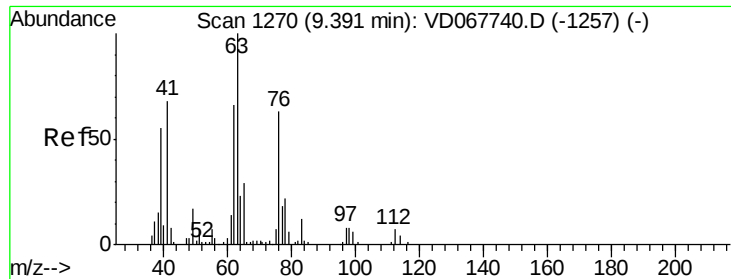
#44
Trichloroethene
Concen: 4.797 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

Tgt Ion: 130 Resp: 14670
Ion Ratio Lower Upper
130 100
95 114.6 0.0 184.2



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

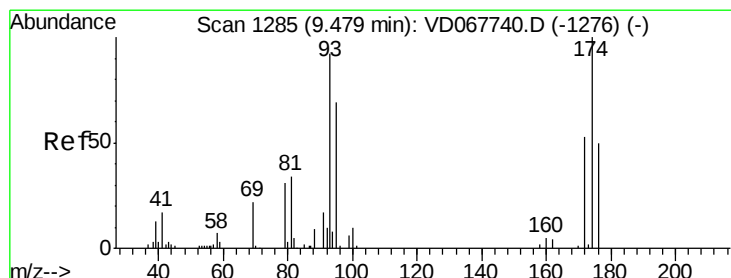
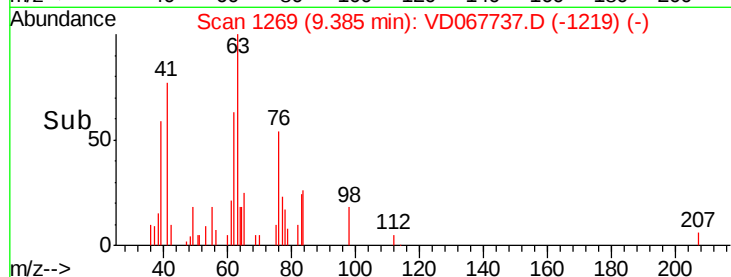
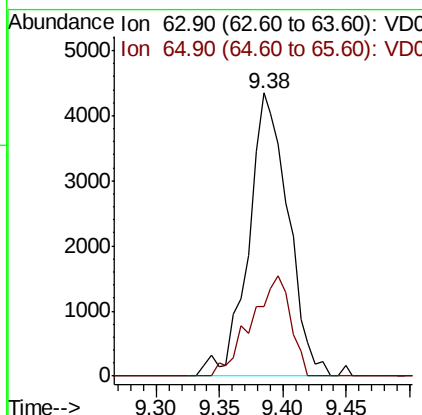
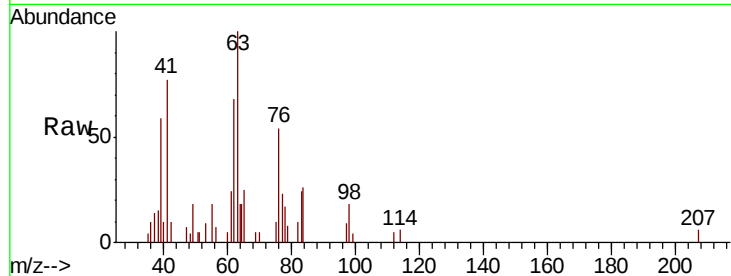




#45
 1,2-Dichloropropane
 Concen: 5.073 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD067737.D
 Acq: 23 Nov 2020 10:56

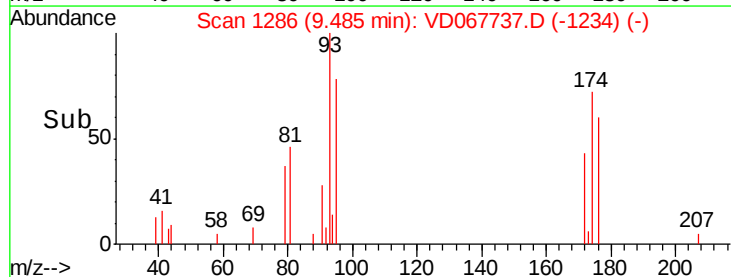
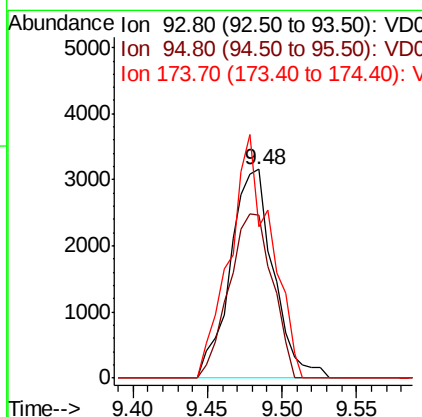
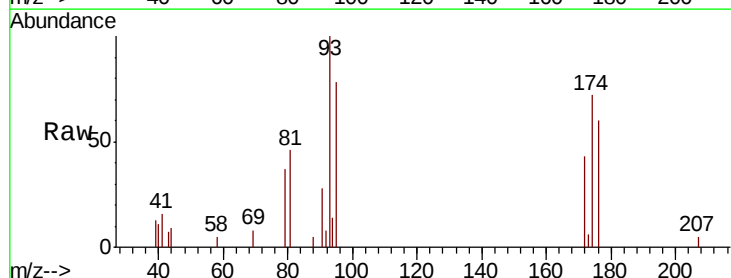
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

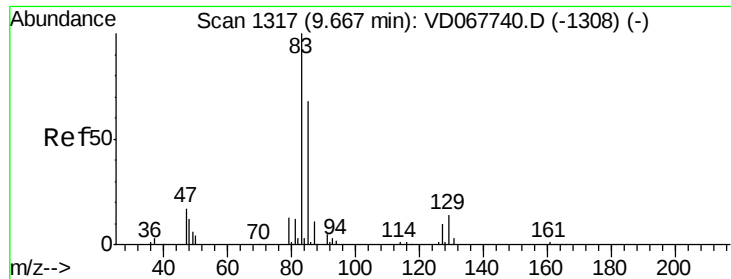
Tot Ion: 63 Resp: 9460
 Ion Ratio Lower Upper
 63 100
 65 24.6 23.1 34.7



#46
 Dibromomethane
 Concen: 5.075 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD067737.D
 Acq: 23 Nov 2020 10:56

Tgt Ion: 93 Resp: 6357
 Ion Ratio Lower Upper
 93 100
 95 79.0 63.4 95.2
 174 110.6 89.6 134.4

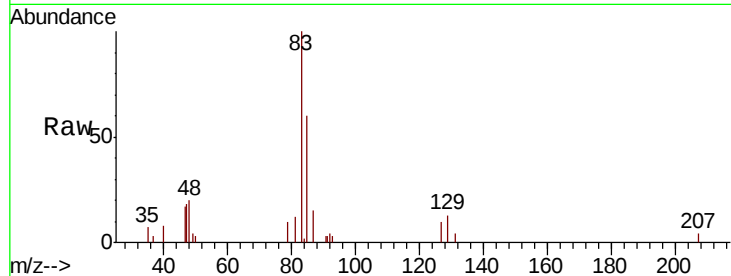




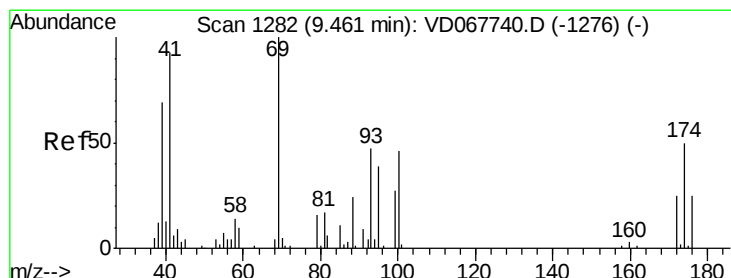
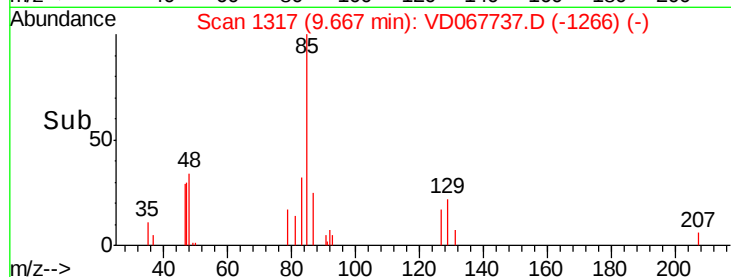
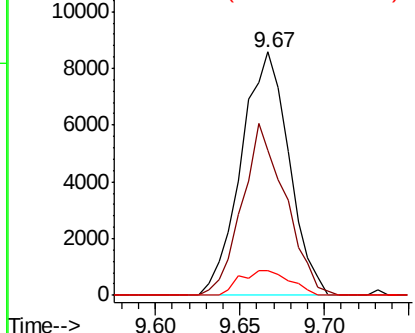
#47
Bromodichloromethane
Concen: 4.767 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tot Ion: 83 Resp: 16877
Ion Ratio Lower Upper
83 100
85 59.5 54.2 81.2
127 10.1 7.6 11.4

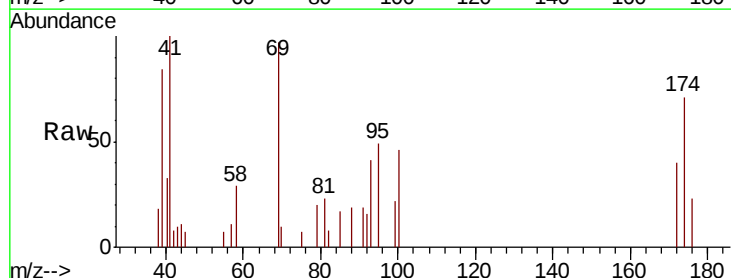


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

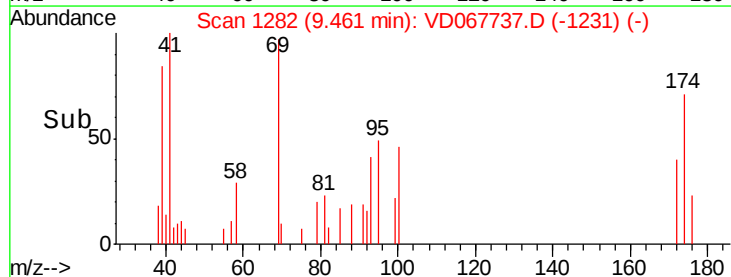
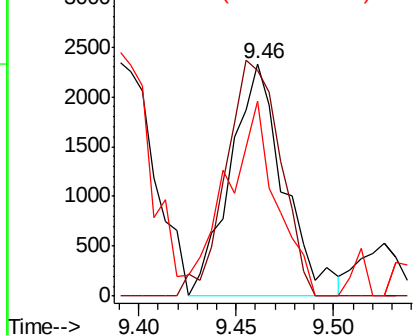


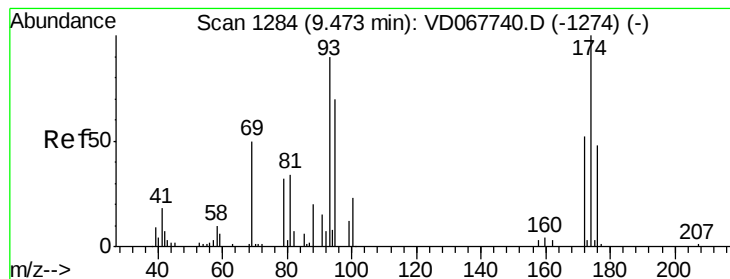
#48
Methyl methacrylate
Concen: 5.061 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

Tgt Ion: 41 Resp: 4432
Ion Ratio Lower Upper
41 100
69 103.0 87.8 131.6
39 77.4 60.5 90.7



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 107.622 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

BFB

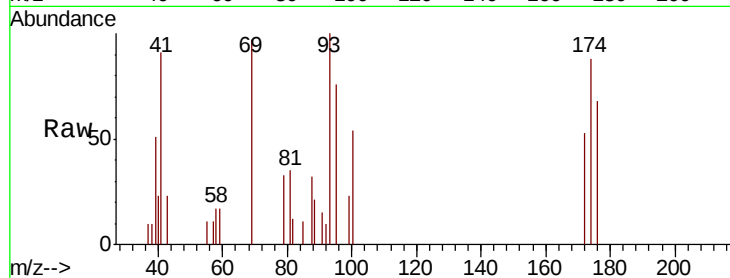
Tot Ion: 88 Resp: 1462

Ion Ratio Lower Upper

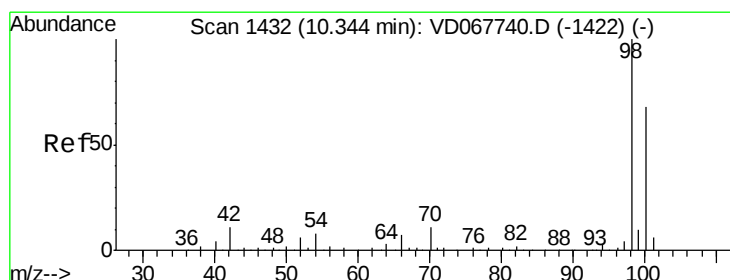
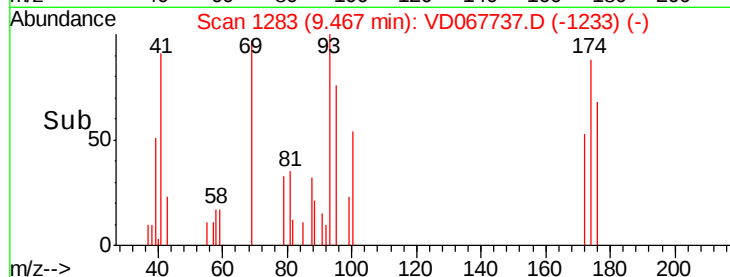
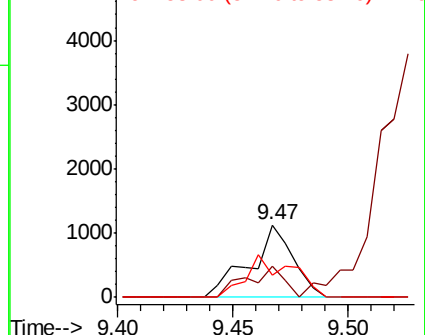
88 100

43 37.5 25.2 37.8

58 61.9 48.2 72.2



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 4.750 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067737.D

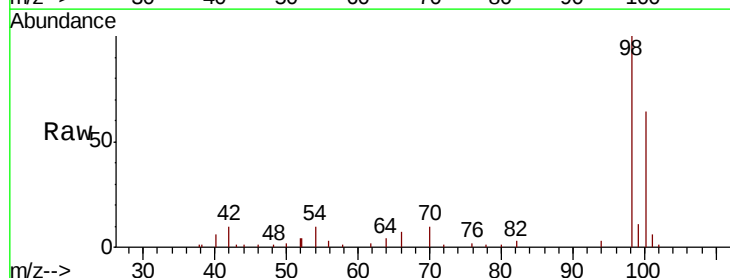
Acq: 23 Nov 2020 10:56

Tgt Ion: 98 Resp: 42400

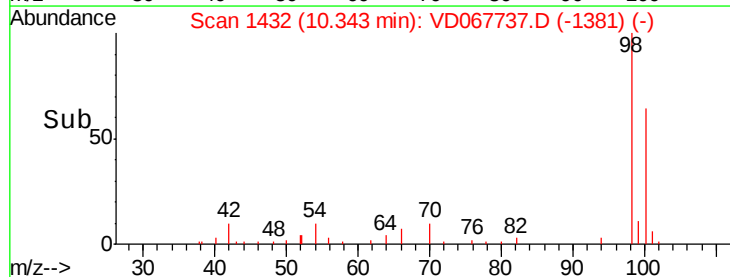
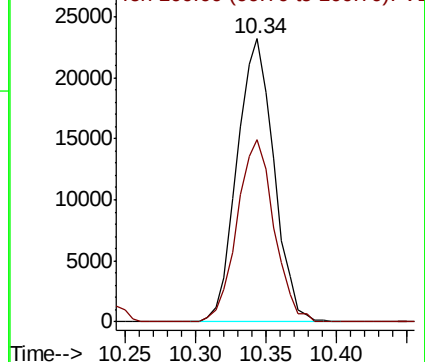
Ion Ratio Lower Upper

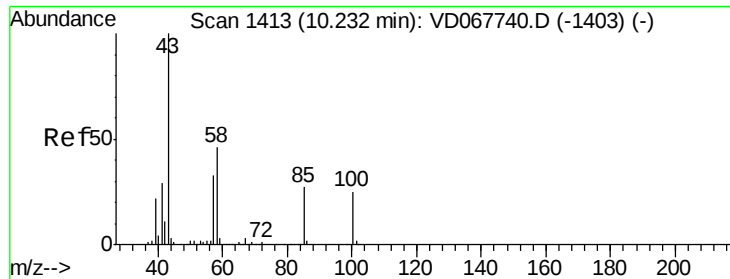
98 100

100 64.3 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

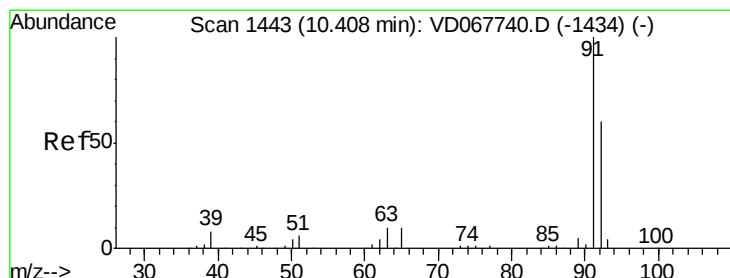
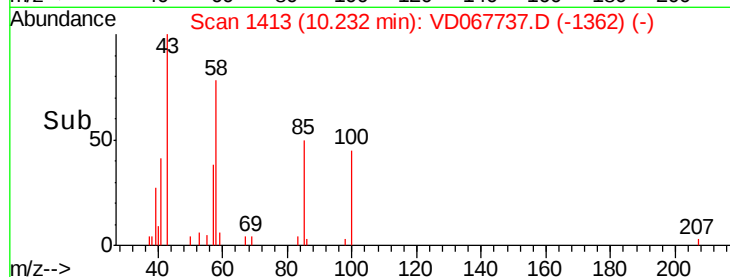
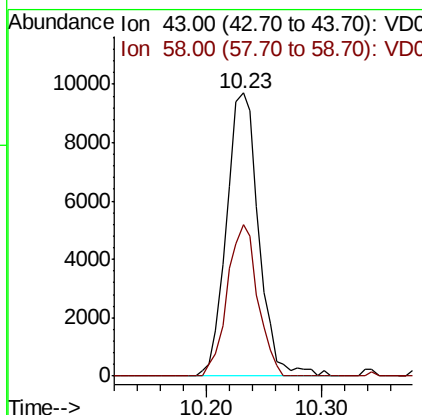
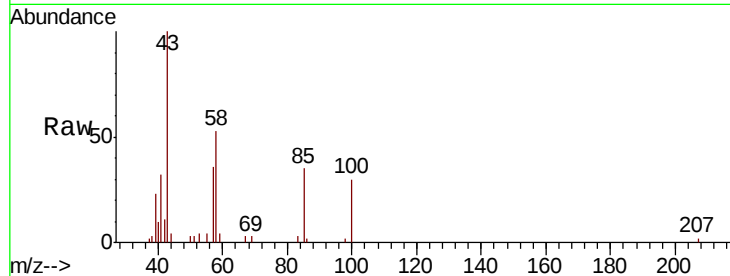




#51
4-Methyl-2-Pentanone
Concen: 22.792 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

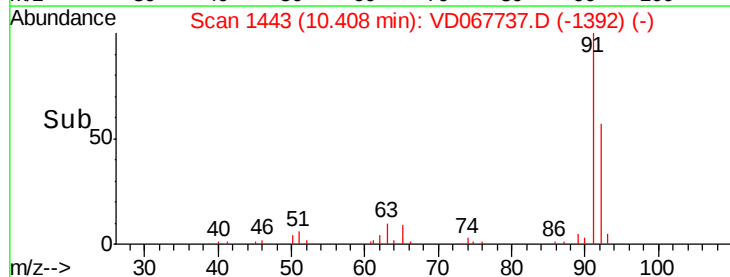
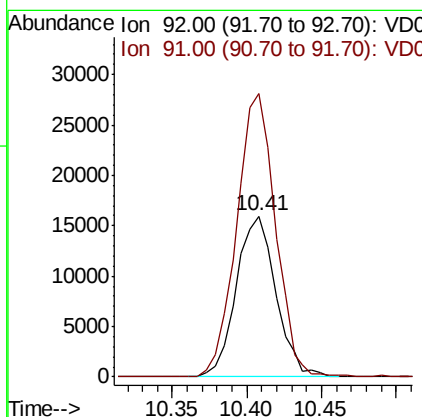
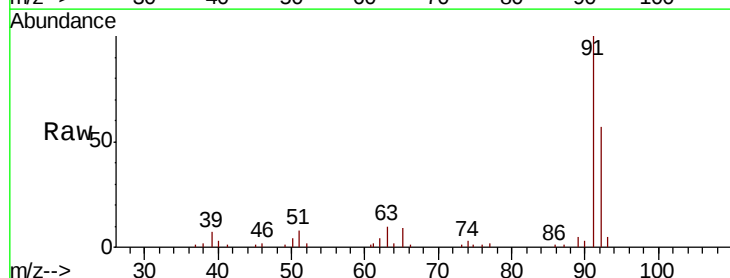
Instrument :
MSVOA_D
ClientSampleId :
BFB

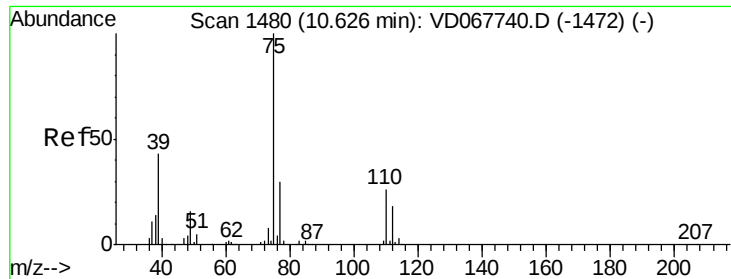
Tot Ion: 43 Resp: 18800
Ion Ratio Lower Upper
43 100
58 50.2 34.7 52.1



#52
Toluene
Concen: 4.756 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

Tgt Ion: 92 Resp: 29425
Ion Ratio Lower Upper
92 100
91 172.7 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 4.603 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

Instrument :

MSVOA_D

ClientSampled :

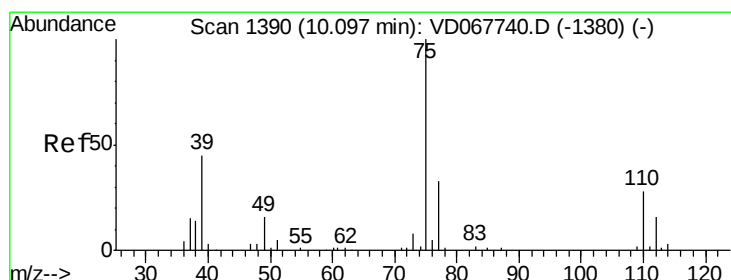
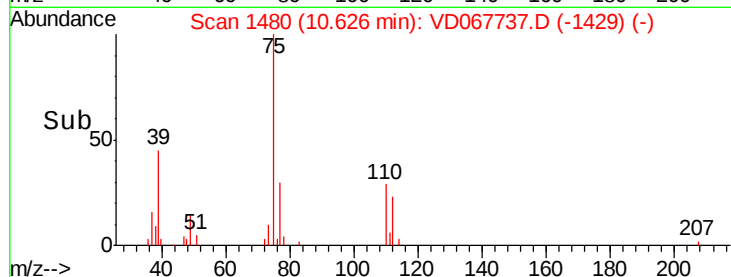
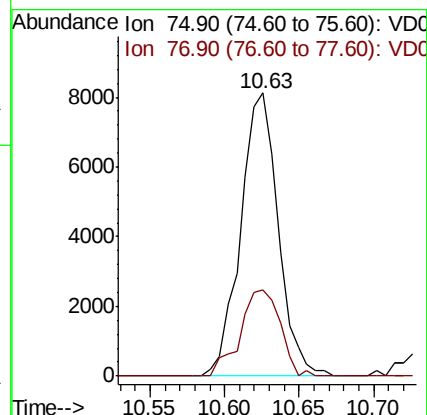
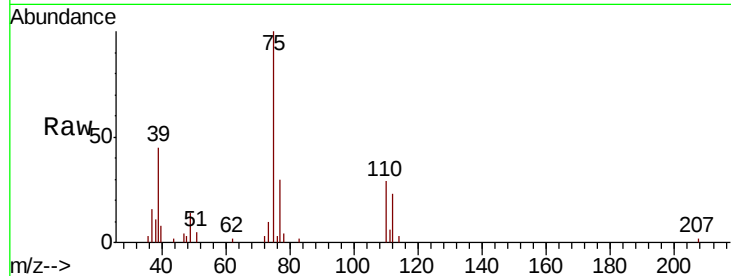
BFB

Tot Ion: 75 Resp: 14192

Ion Ratio Lower Upper

75 100

77 30.5 24.2 36.4



#54

cis-1,3-Dichloropropene

Concen: 4.965 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

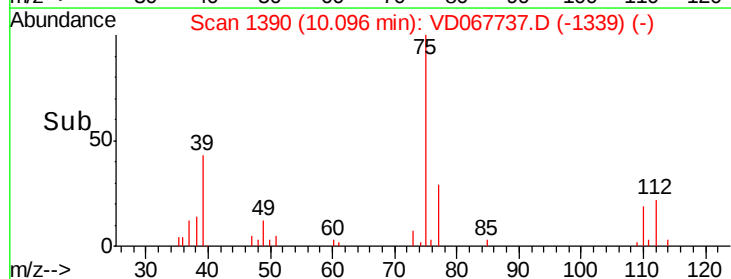
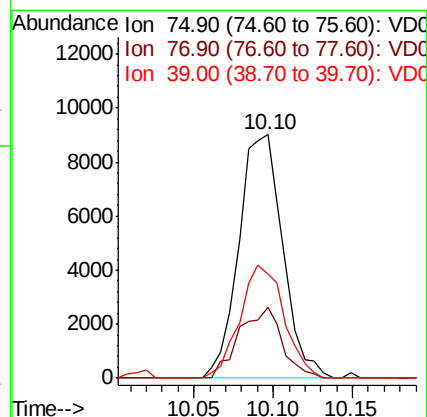
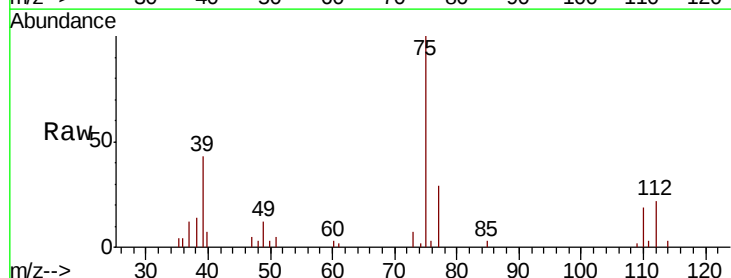
Tgt Ion: 75 Resp: 17332

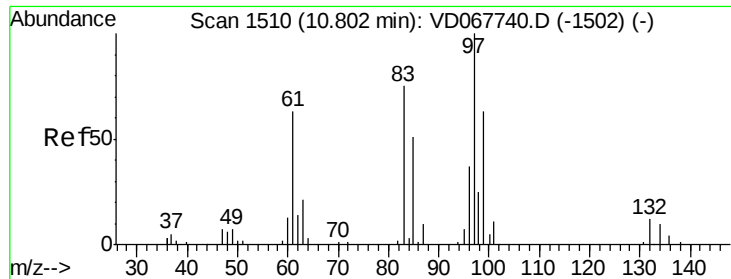
Ion Ratio Lower Upper

75 100

77 29.0 26.1 39.1

39 43.0 35.8 53.6

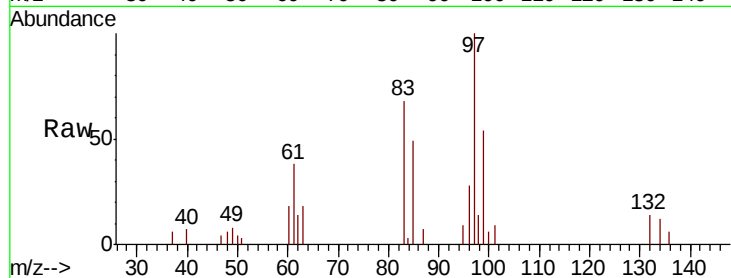




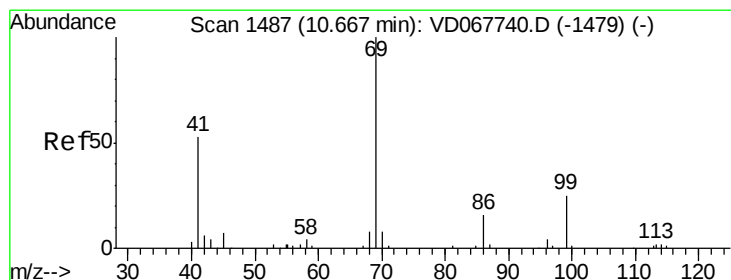
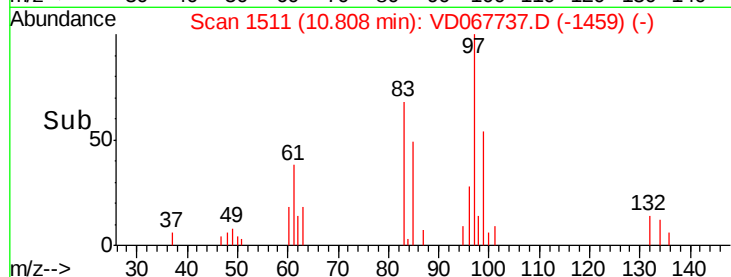
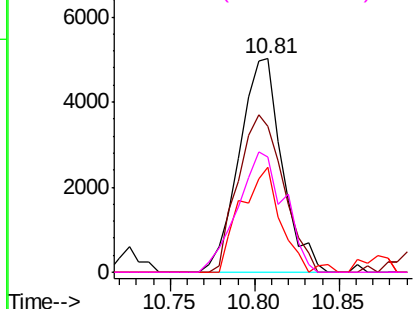
#55
 1,1,2-Trichloroethane
 Concen: 5.216 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067737.D
 Acq: 23 Nov 2020 10:56

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Tot Ion: 97 Resp: 8870
 Ion Ratio Lower Upper
 97 100
 83 68.4 60.2 90.4
 85 49.2 40.5 60.7
 99 54.2 50.6 76.0

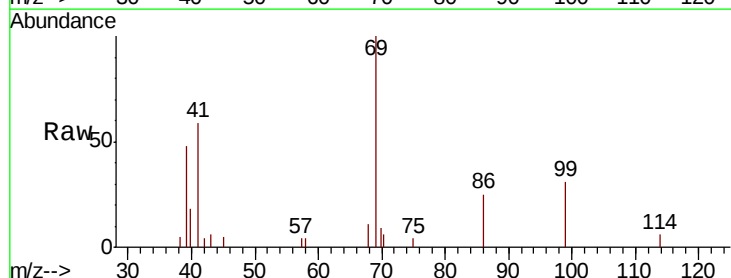


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

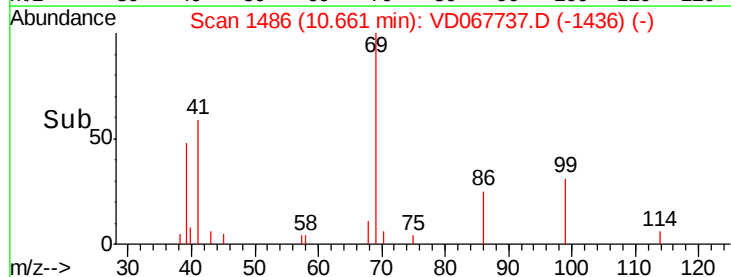
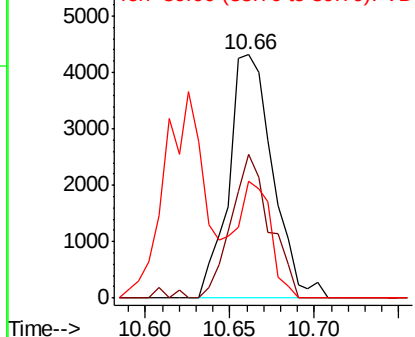


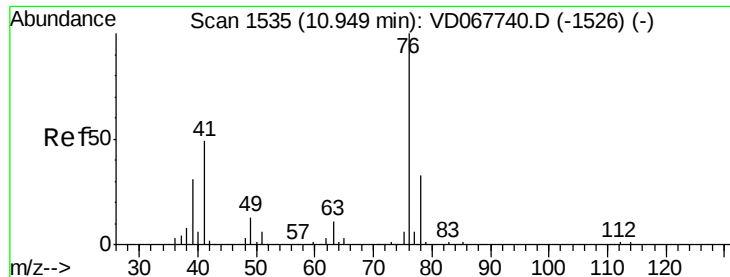
#56
 Ethyl methacrylate
 Concen: 4.442 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067737.D
 Acq: 23 Nov 2020 10:56

Tgt Ion: 69 Resp: 7807
 Ion Ratio Lower Upper
 69 100
 41 51.6 43.4 65.0
 39 39.1 29.6 44.4



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC

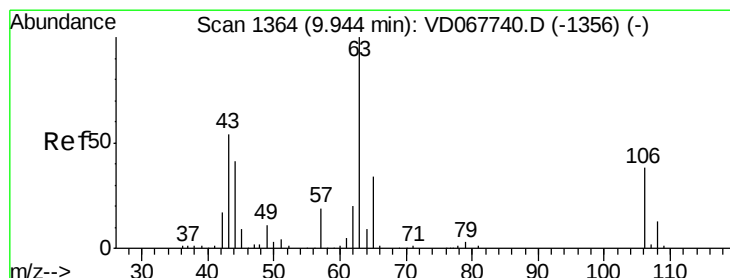
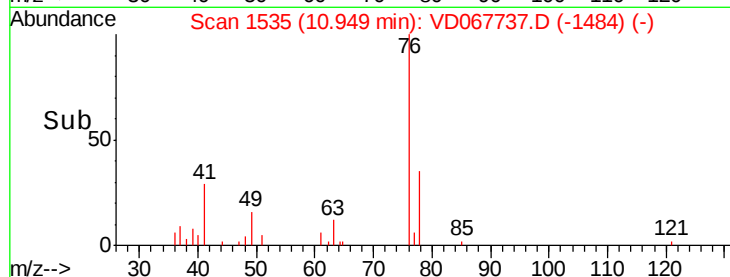
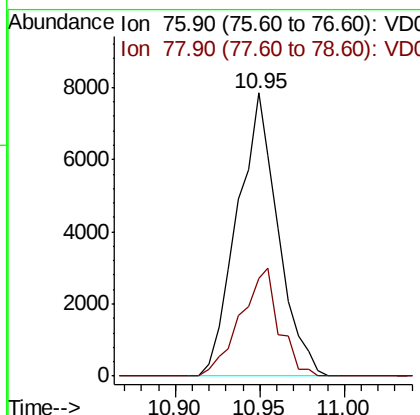
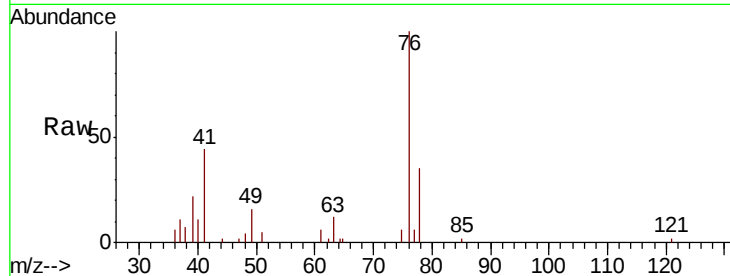




#57
 1,3-Dichloropropane
 Concen: 4.953 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD067737.D
 Acq: 23 Nov 2020 10:56

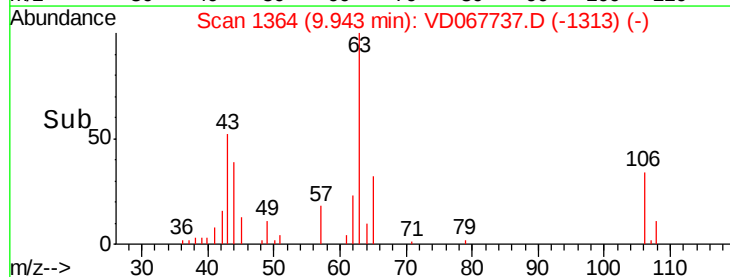
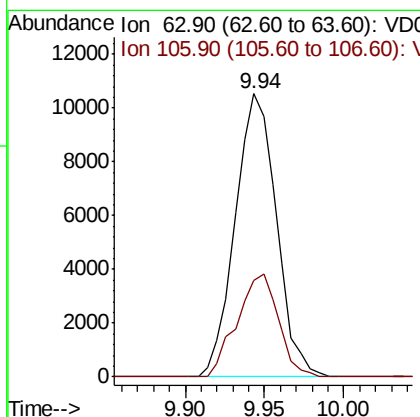
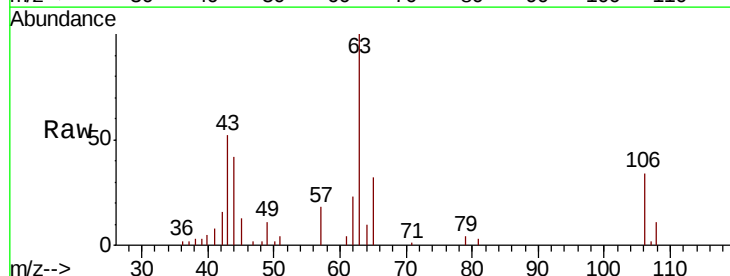
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

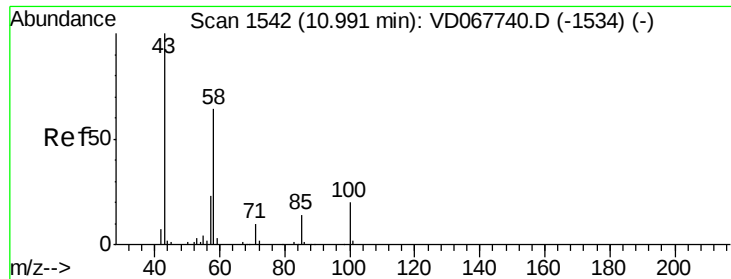
Tot Ion: 76 Resp: 13191
 Ion Ratio Lower Upper
 76 100
 78 36.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 23.193 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD067737.D
 Acq: 23 Nov 2020 10:56

Tgt Ion: 63 Resp: 19034
 Ion Ratio Lower Upper
 63 100
 106 36.3 31.0 46.6

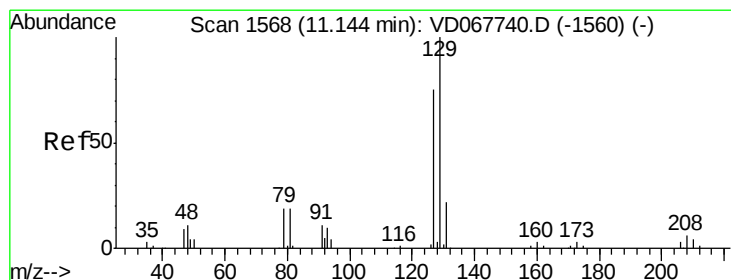
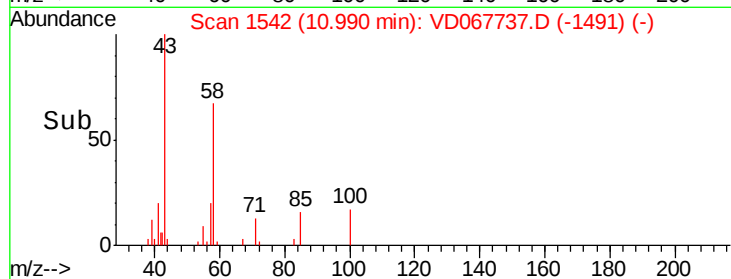
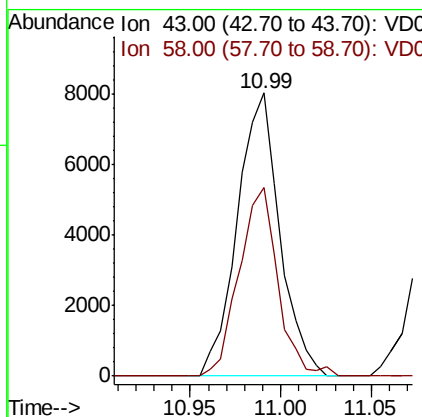
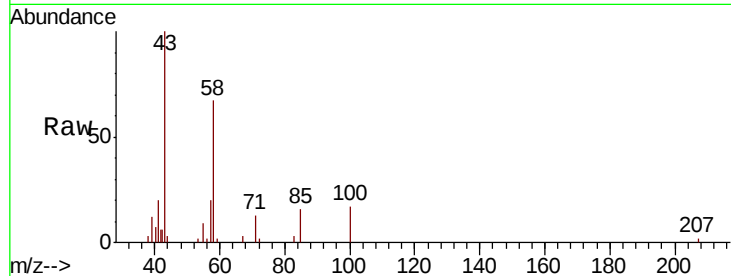




#59
2-Hexanone
Concen: 22.227 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

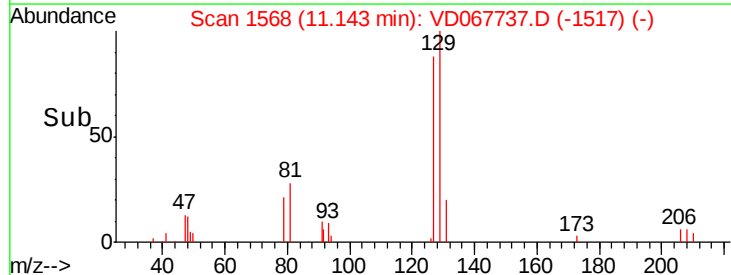
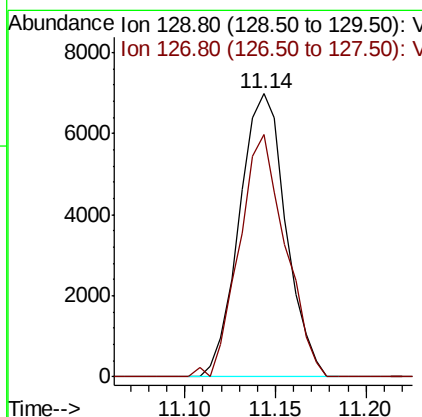
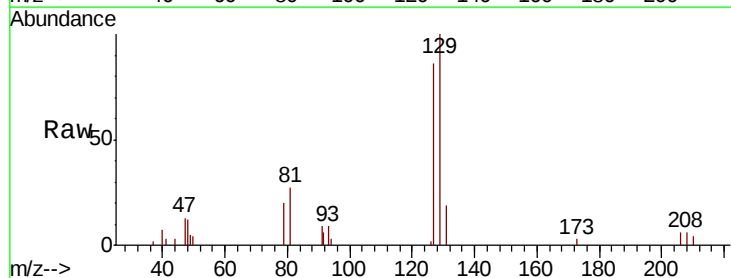
Instrument :
MSVOA_D
ClientSampleId :
BFB

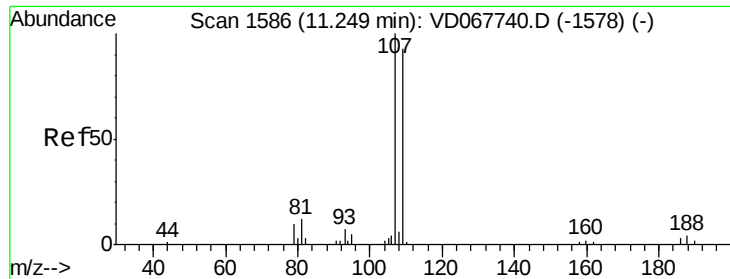
Tot Ion: 43 Resp: 13084
Ion Ratio Lower Upper
43 100
58 60.9 30.5 91.5



#60
Dibromochloromethane
Concen: 4.818 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

Tgt Ion: 129 Resp: 12489
Ion Ratio Lower Upper
129 100
127 84.6 38.6 115.7

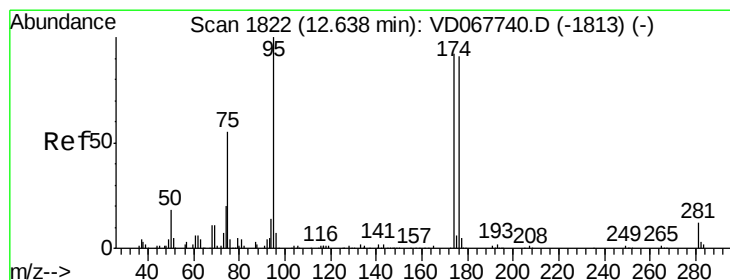
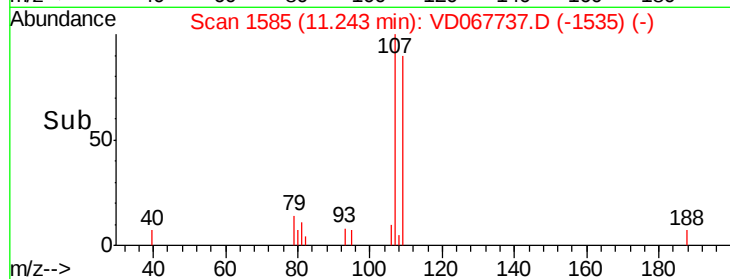
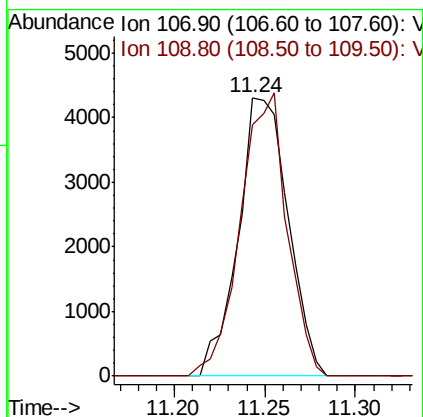
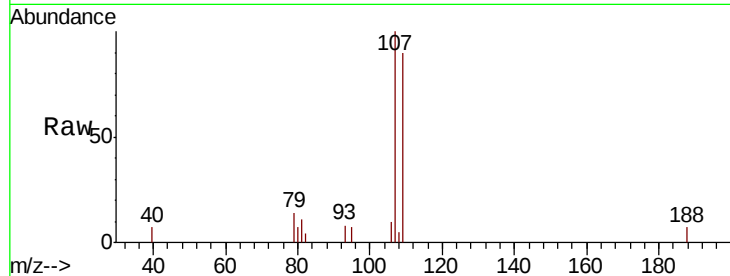




#61
 1,2-Dibromoethane
 Concen: 4.914 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD067737.D
 Acq: 23 Nov 2020 10:56

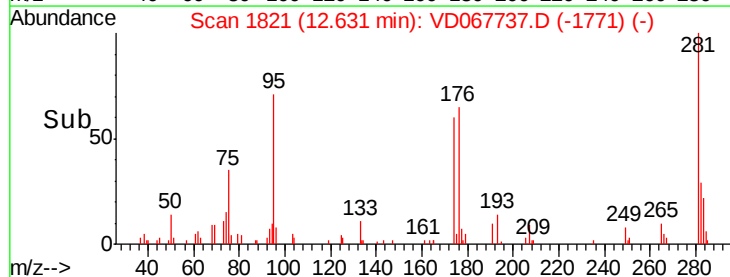
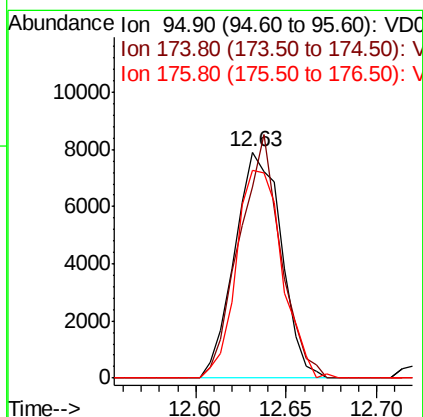
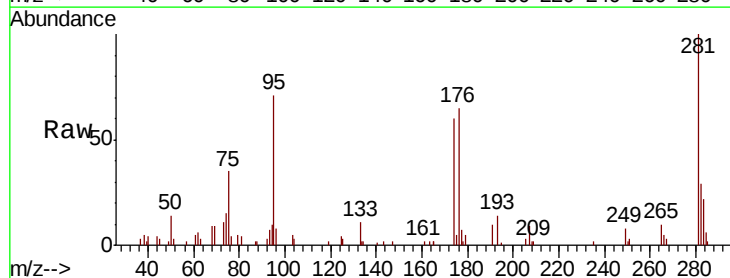
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

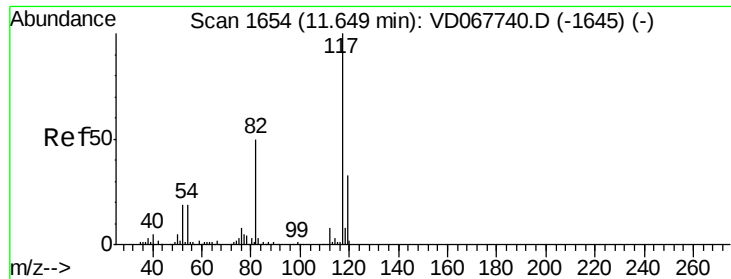
Tot Ion: 107 Resp: 8262
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 4.623 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD067737.D
 Acq: 23 Nov 2020 10:56

Tgt Ion: 95 Resp: 14179
 Ion Ratio Lower Upper
 95 100
 174 95.5 0.0 182.4
 176 90.6 0.0 178.2

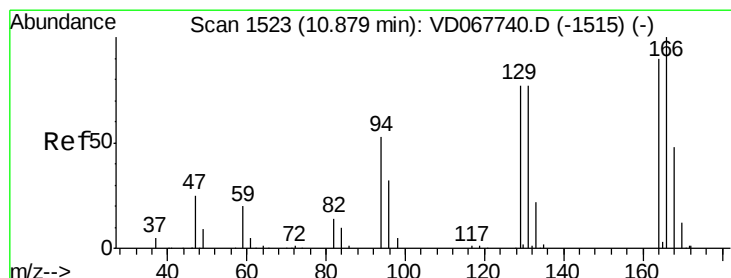
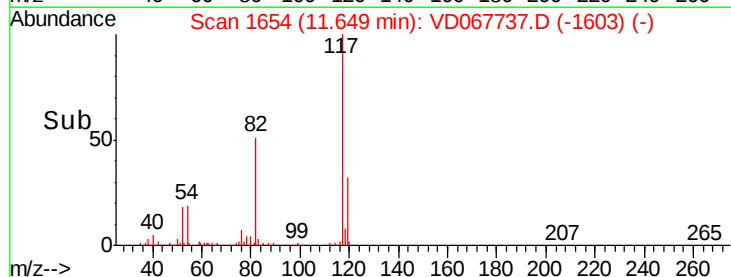
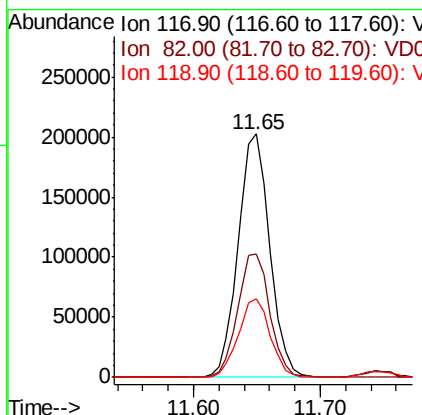
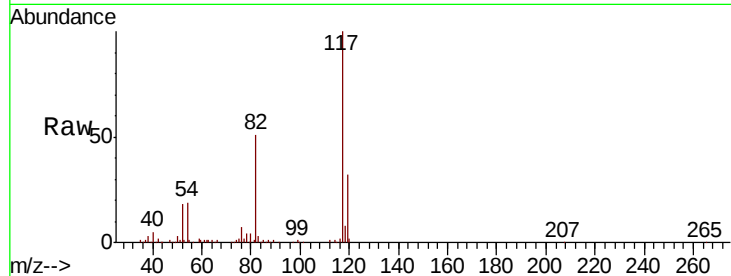




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

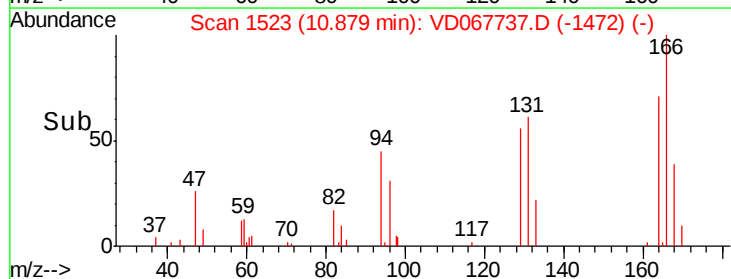
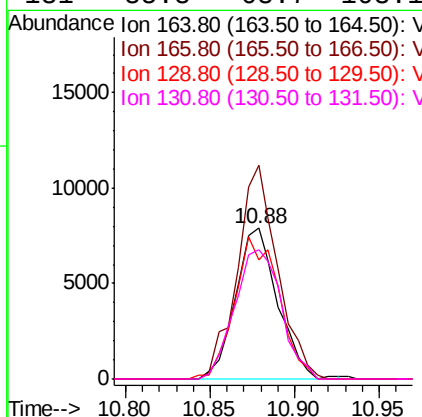
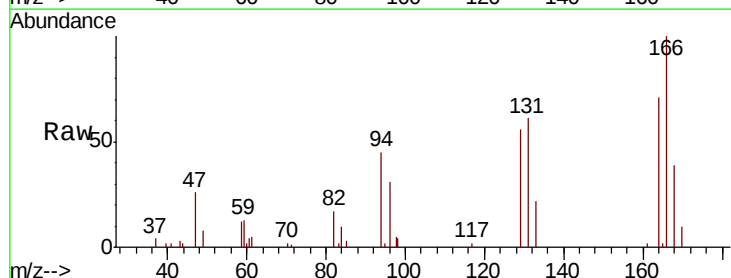
Instrument :
MSVOA_D
ClientSampleId :
BFB

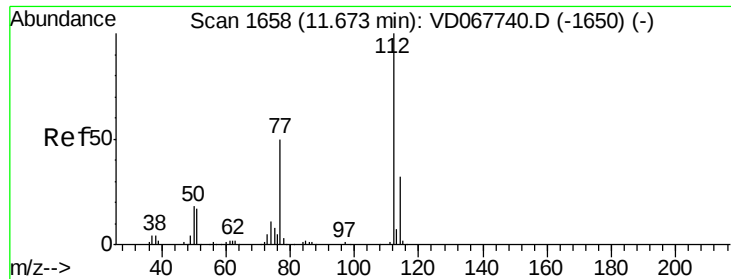
Tot Ion:117 Resp: 349983
Ion Ratio Lower Upper
117 100
82 50.8 40.2 60.4
119 32.1 26.5 39.7



#64
Tetrachloroethene
Concen: 4.993 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

Tgt Ion:164 Resp: 13740
Ion Ratio Lower Upper
164 100
166 141.6 89.2 133.8#
129 79.2 68.4 102.6
131 85.8 68.7 103.1

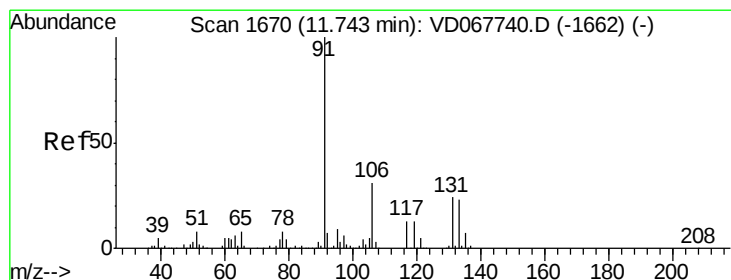
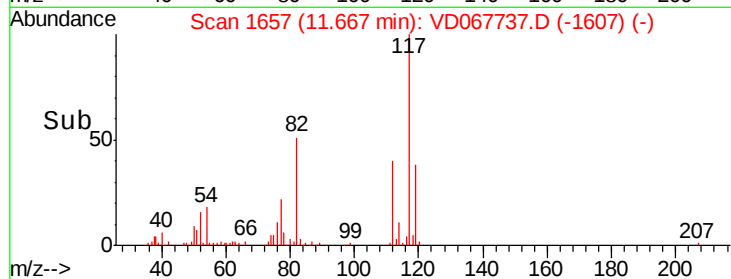
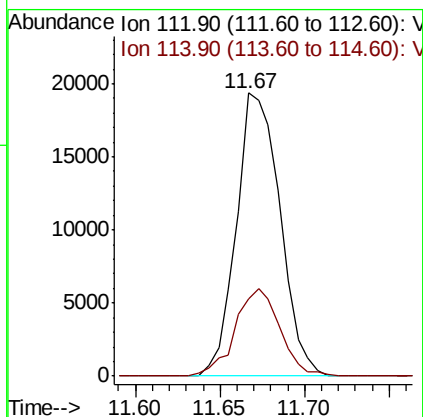
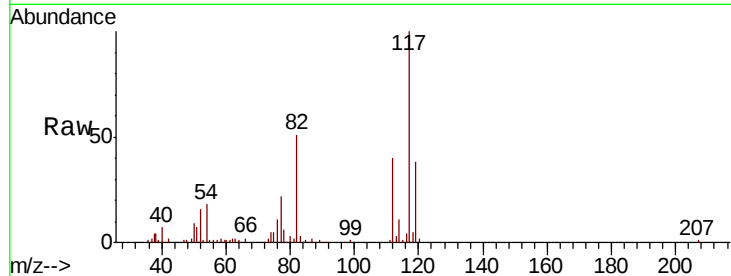




#65
Chlorobenzene
Concen: 5.018 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

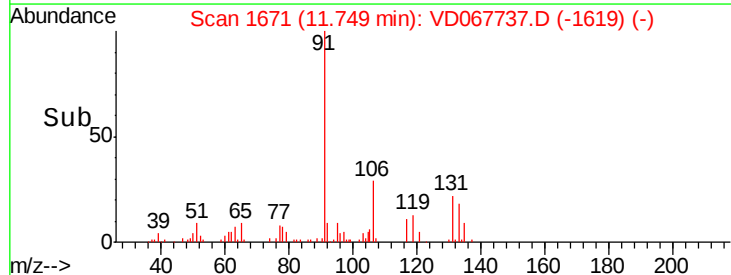
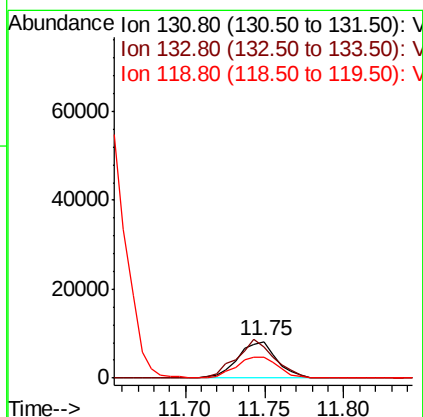
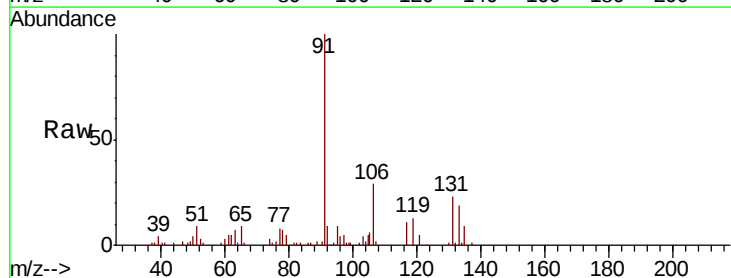
Instrument :
MSVOA_D
ClientSampled :
BFB

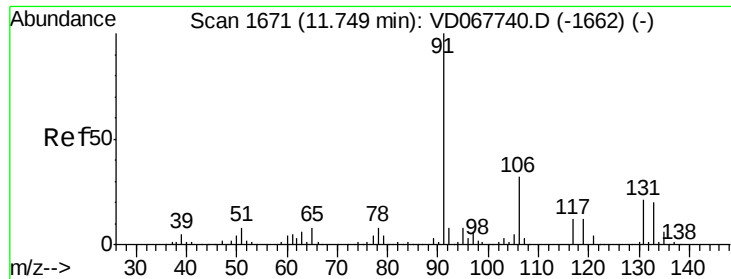
Tot Ion:112 Resp: 34783
Ion Ratio Lower Upper
112 100
114 27.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 5.045 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

Tgt Ion:131 Resp: 14012
Ion Ratio Lower Upper
131 100
133 102.0 49.0 147.0
119 63.2 28.8 86.5

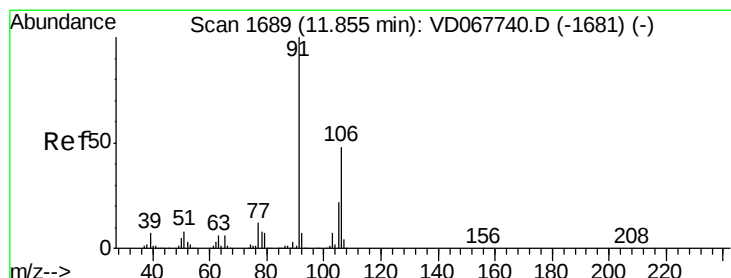
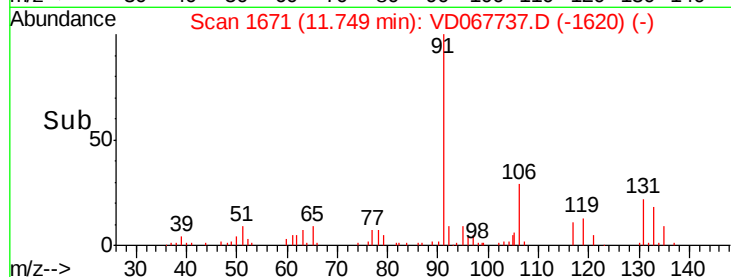
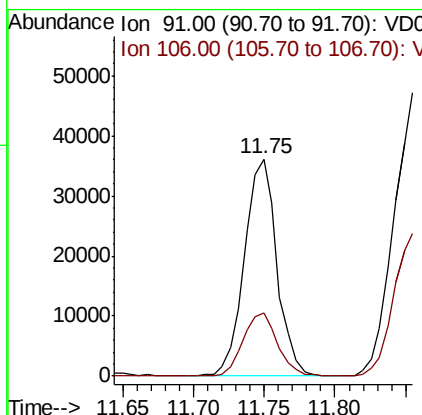
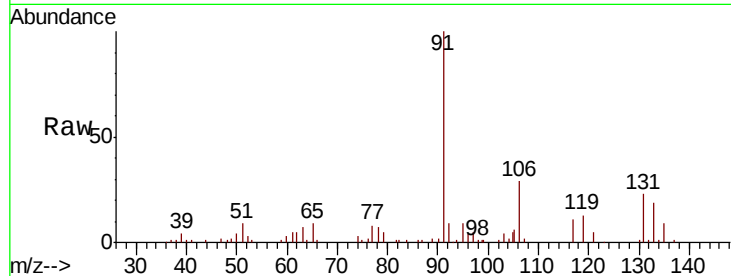




#67
Ethyl Benzene
Concen: 4.883 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

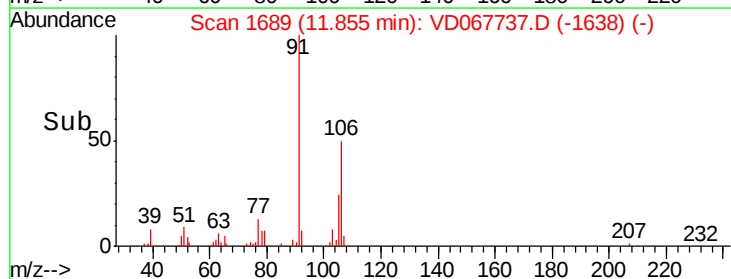
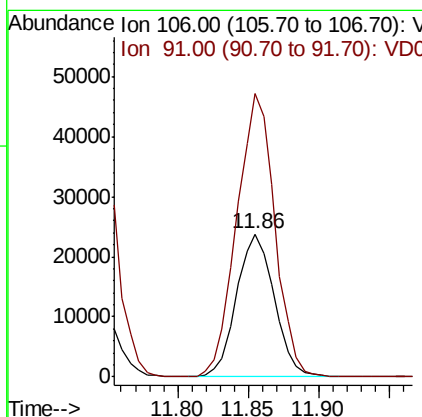
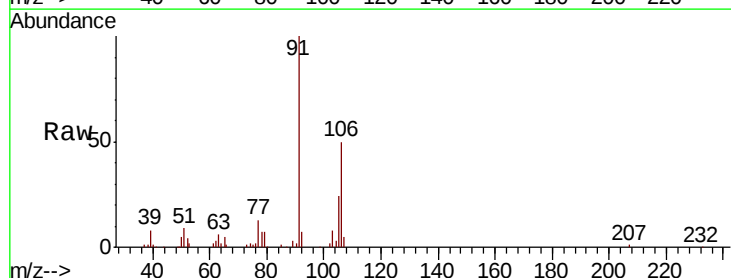
Instrument :
MSVOA_D
ClientSampleId :
BFB

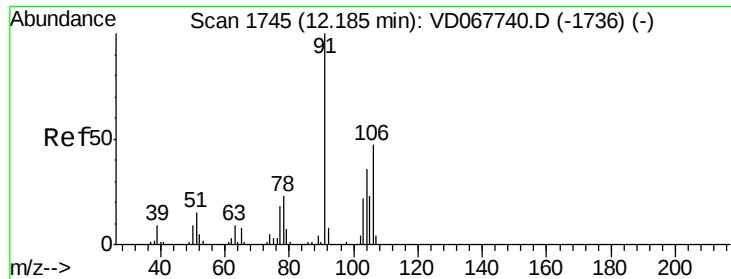
Tot Ion: 91 Resp: 58100
Ion Ratio Lower Upper
91 100
106 29.3 25.7 38.5



#68
m/p-Xylenes
Concen: 9.537 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

Tgt Ion: 106 Resp: 44372
Ion Ratio Lower Upper
106 100
91 199.9 163.0 244.6

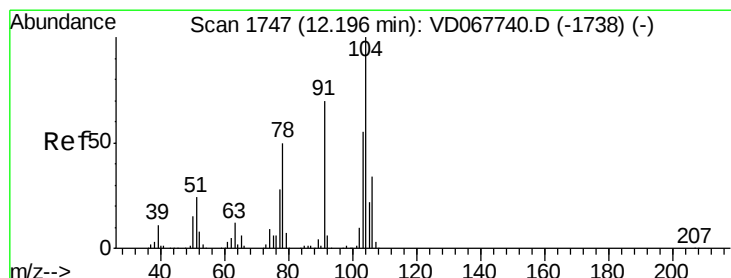
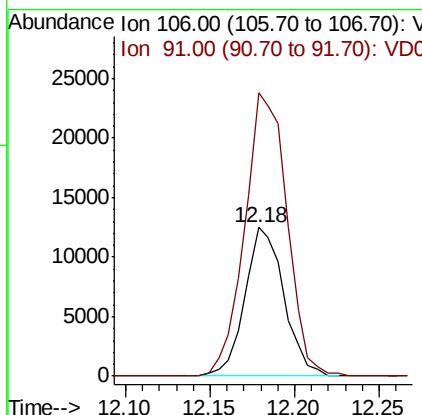
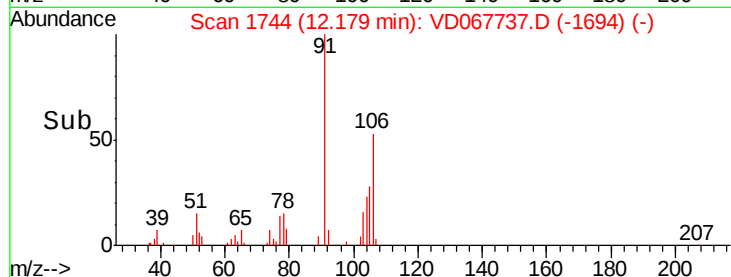
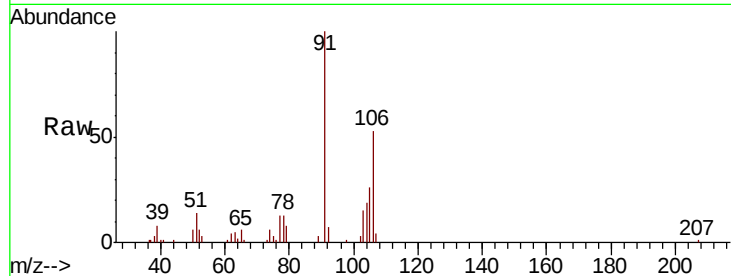




#69
o-Xylene
Concen: 4.756 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

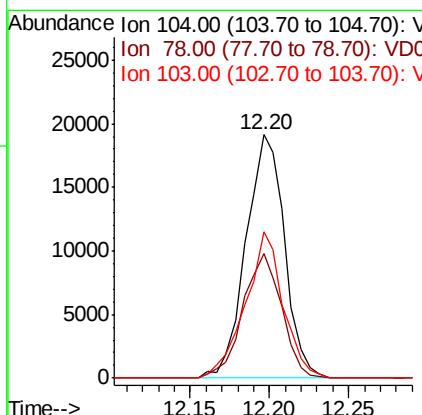
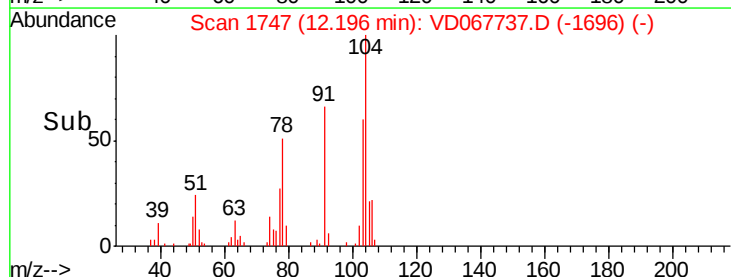
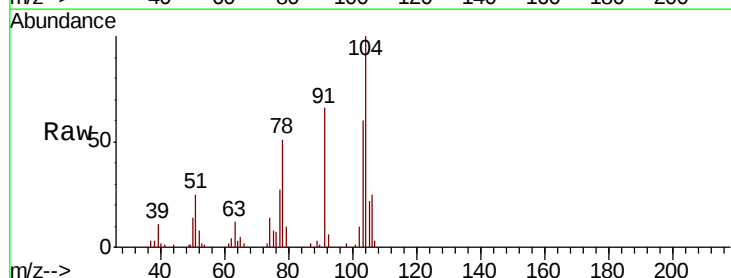
Instrument :
MSVOA_D
ClientSampled :
BFB

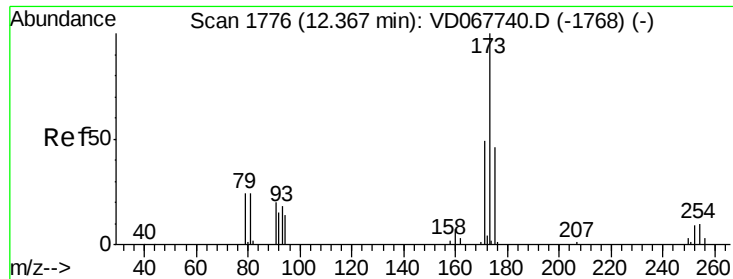
Tot Ion:106 Resp: 20119
Ion Ratio Lower Upper
106 100
91 205.7 106.2 318.6



#70
Styrene
Concen: 4.432 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

Tgt Ion:104 Resp: 32393
Ion Ratio Lower Upper
104 100
78 51.3 41.9 62.9
103 58.9 44.1 66.1

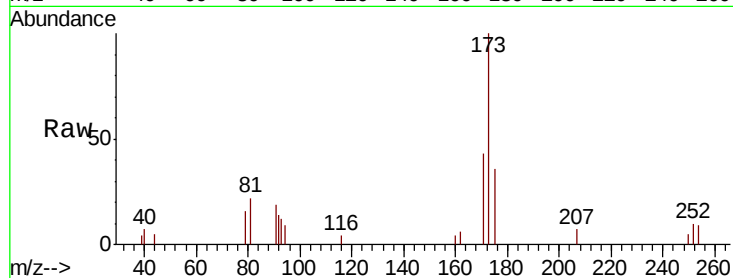




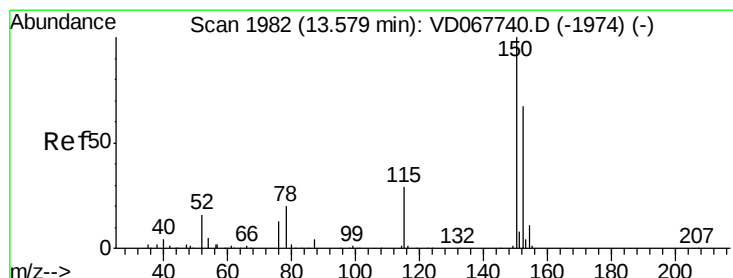
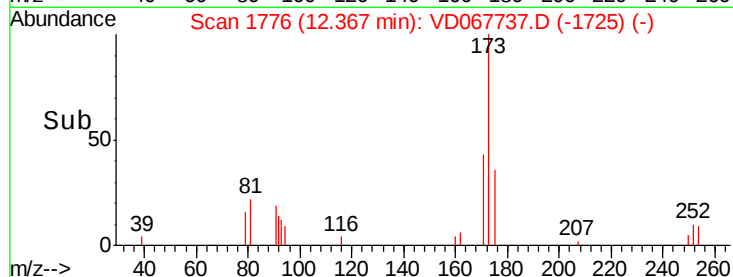
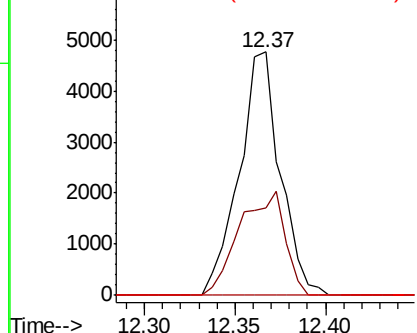
#71
Bromoform
Concen: 4.940 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tot Ion:173 Resp: 7470
Ion Ratio Lower Upper
173 100
175 47.5 23.9 71.7
254 0.0 0.0 0.0

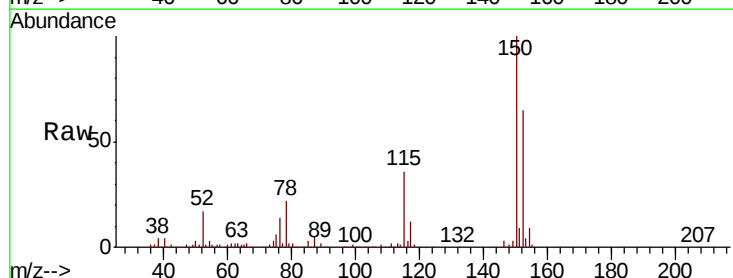


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

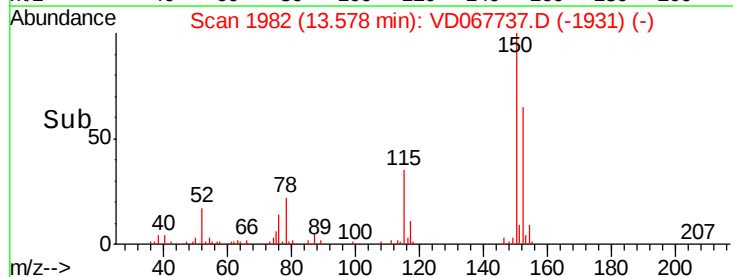
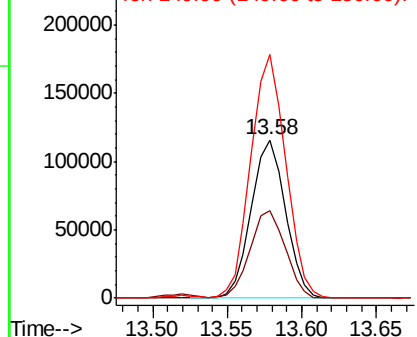


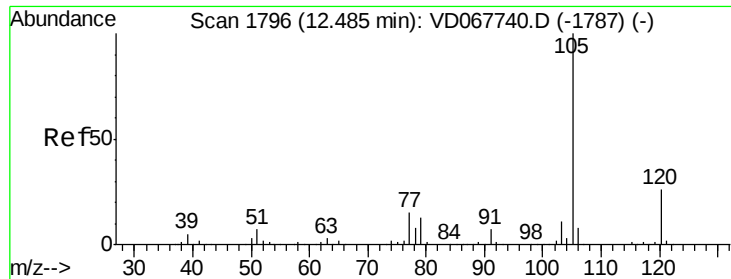
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

Tgt Ion:152 Resp: 184927
Ion Ratio Lower Upper
152 100
115 56.7 29.4 88.3
150 156.0 0.0 340.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.458 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

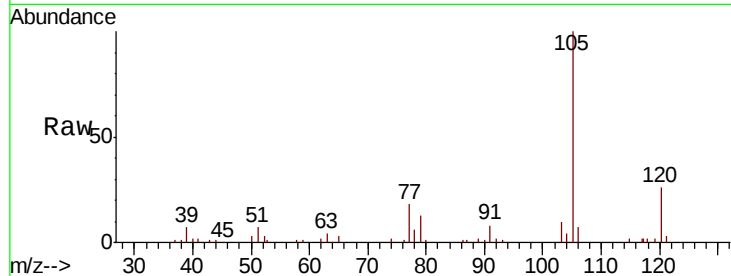
BFB

Tot Ion:105 Resp: 55299

Ion Ratio Lower Upper

105 100

120 27.5 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

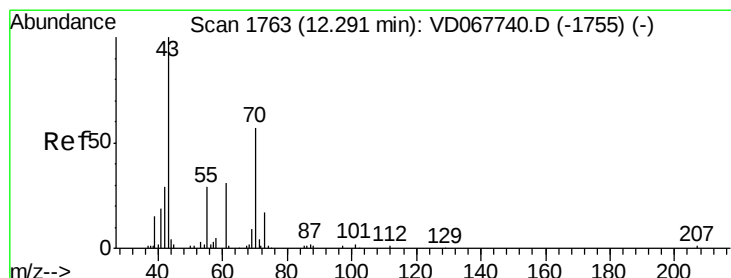
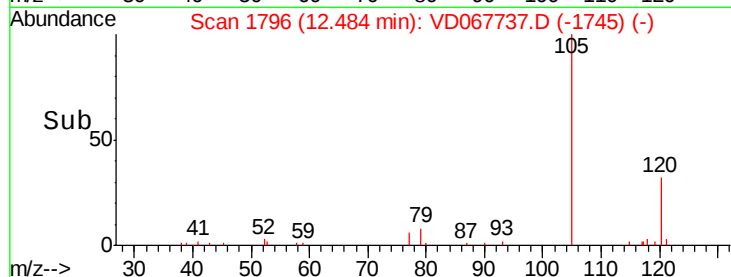
30000

20000

10000

0

Time--> 12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 4.352 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

Tgt Ion: 43 Resp: 6995

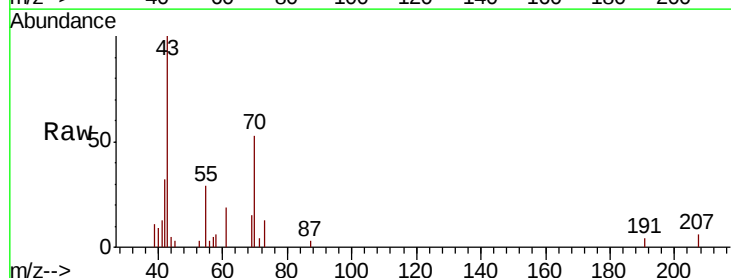
Ion Ratio Lower Upper

43 100

70 55.0 44.6 66.8

55 34.4 24.2 36.2

61 31.3 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

8000

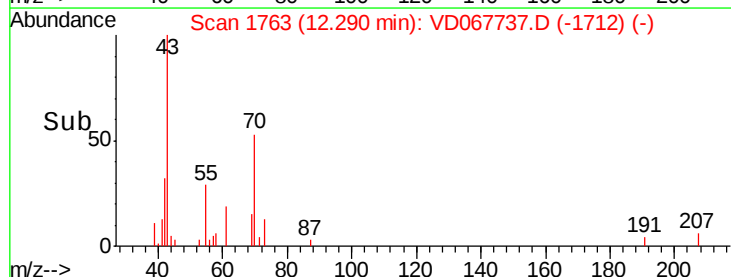
6000

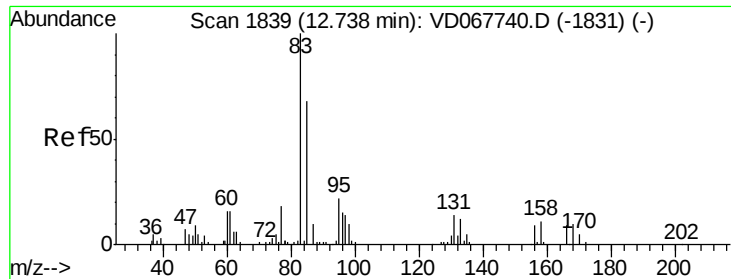
4000

2000

0

Time--> 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 4.936 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

BFB

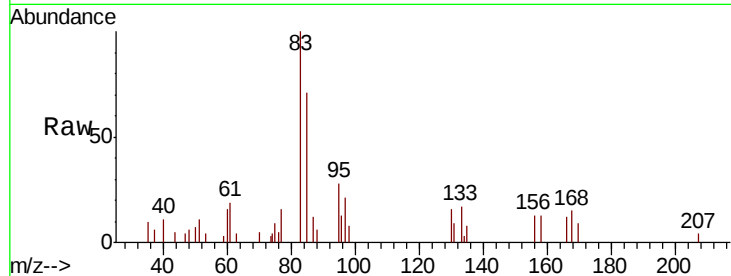
Tot Ion: 83 Resp: 8160

Ion Ratio Lower Upper

83 100

131 13.5 8.1 24.1

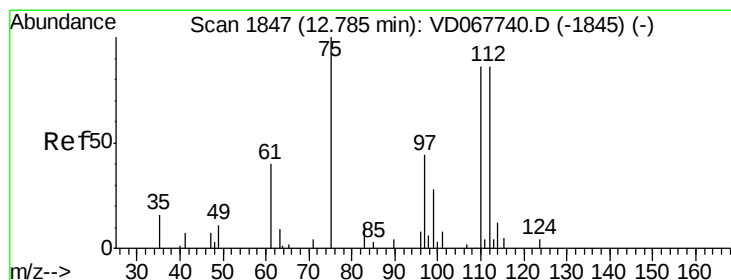
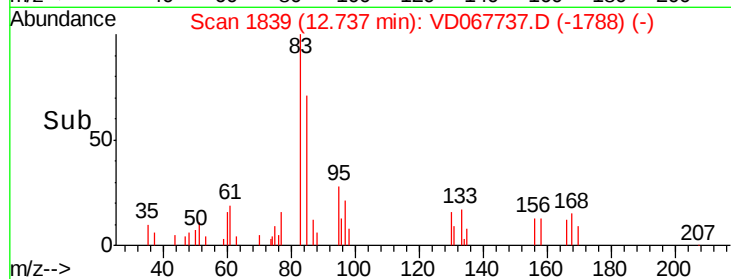
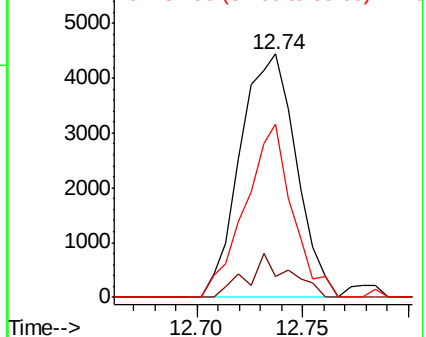
85 60.0 33.9 101.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 7.965 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD067737.D

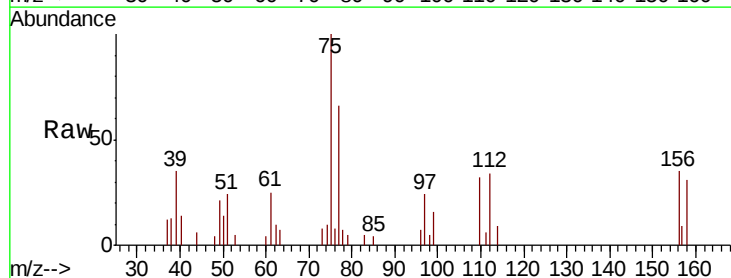
Acq: 23 Nov 2020 10:56

Tgt Ion: 75 Resp: 11479

Ion Ratio Lower Upper

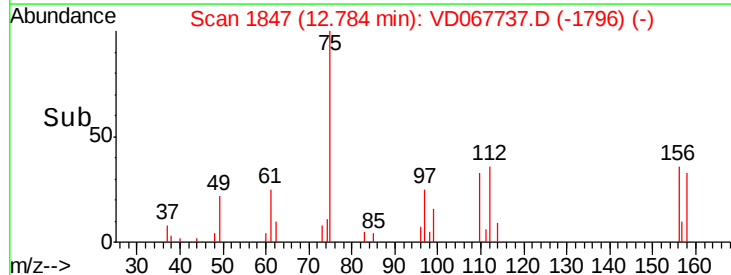
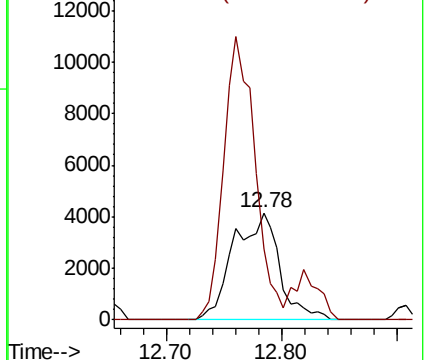
75 100

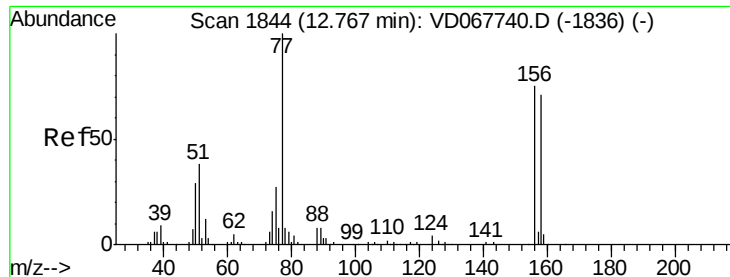
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 4.688 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

Instrument :
MSVOA_D
ClientSampled :
BFB

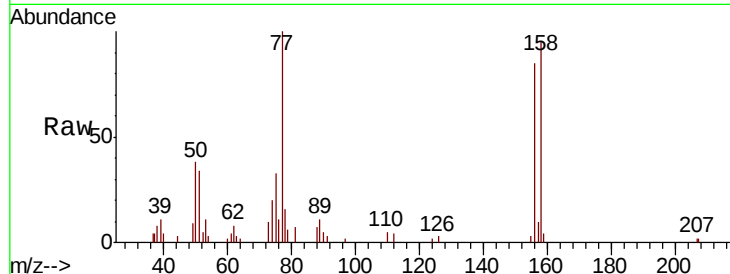
Tot Ion:156 Resp: 14481

Ion Ratio Lower Upper

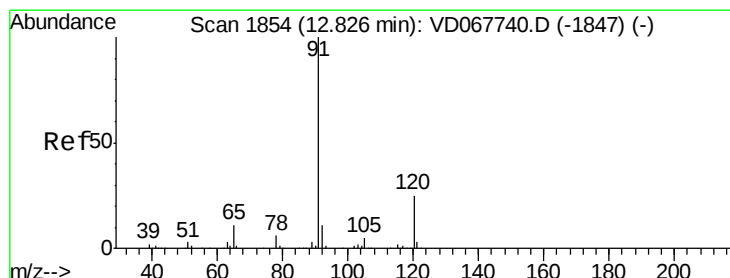
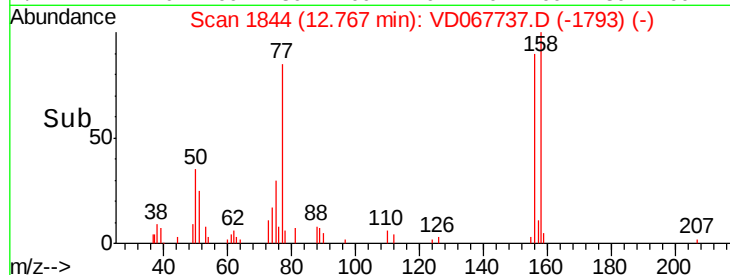
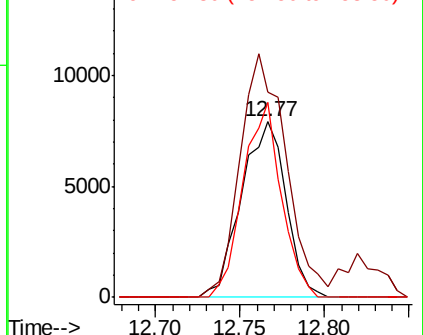
156 100

77 143.5 73.5 220.3

158 95.4 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.428 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067737.D

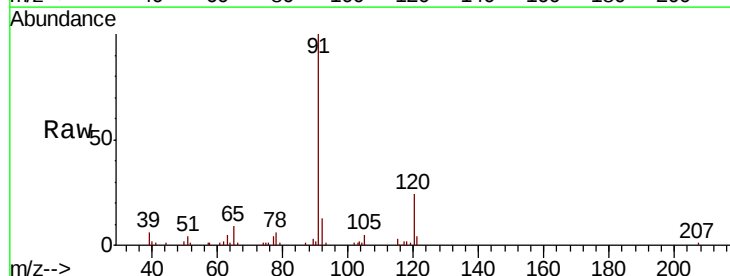
Acq: 23 Nov 2020 10:56

Tgt Ion: 91 Resp: 60919

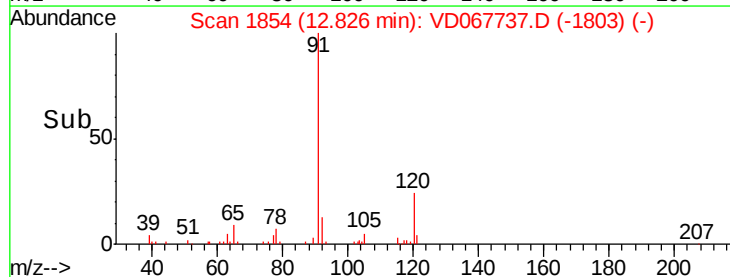
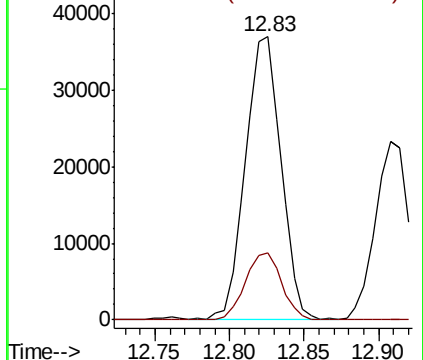
Ion Ratio Lower Upper

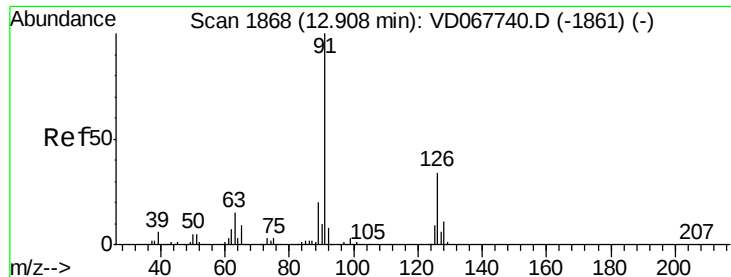
91 100

120 24.1 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V

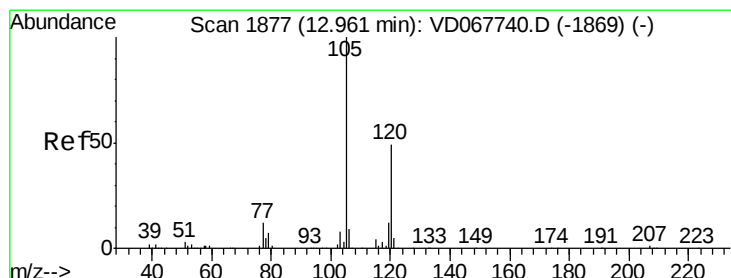
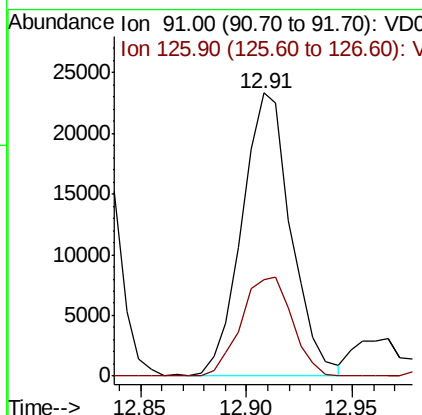
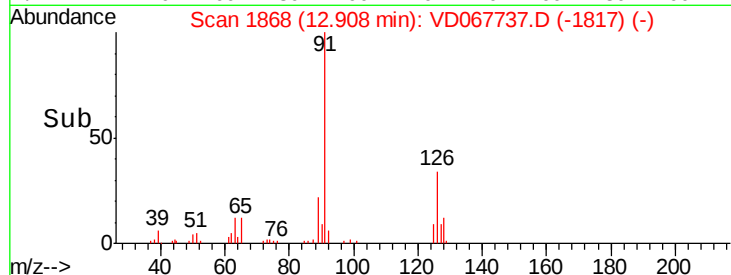
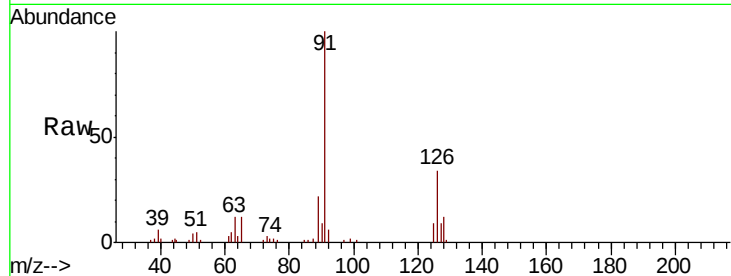




#79
 2-Chlorotoluene
 Concen: 4.668 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD067737.D
 Acq: 23 Nov 2020 10:56

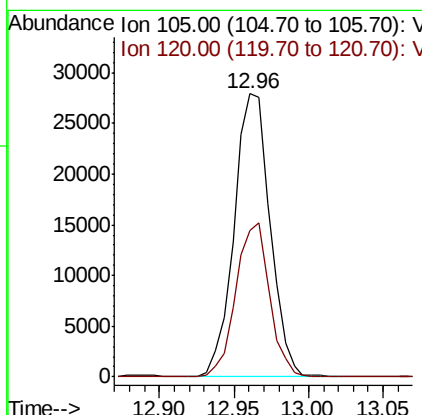
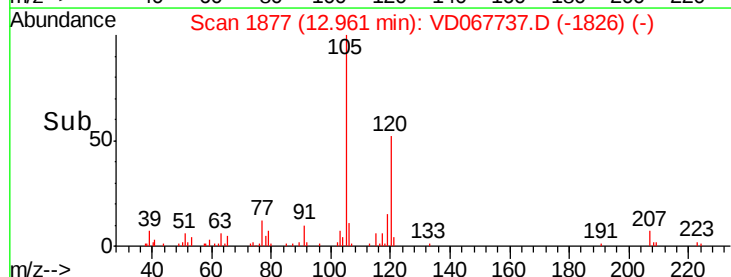
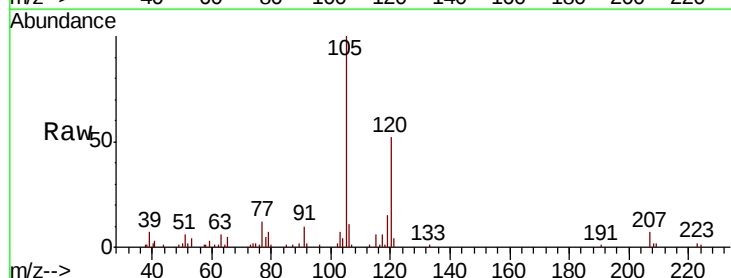
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

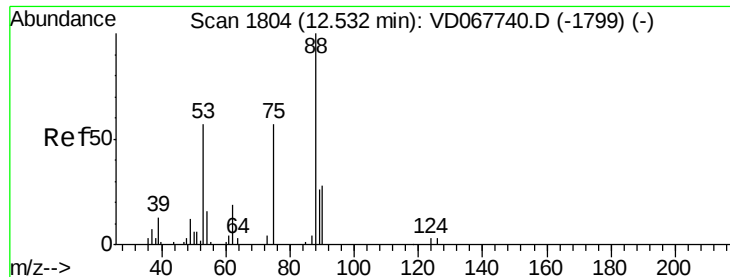
Tot Ion: 91 Resp: 37790
 Ion Ratio Lower Upper
 91 100
 126 36.2 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 4.297 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD067737.D
 Acq: 23 Nov 2020 10:56

Tgt Ion: 105 Resp: 46792
 Ion Ratio Lower Upper
 105 100
 120 50.9 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 4.784 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD067737.D

Acq: 23 Nov 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

BFB

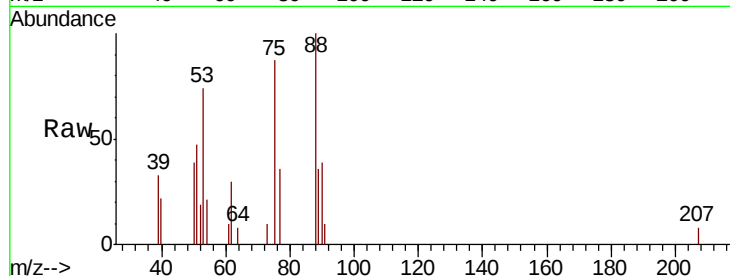
Tot Ion: 75 Resp: 2640

Ion Ratio Lower Upper

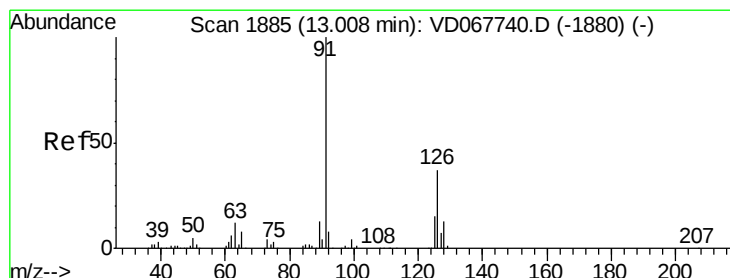
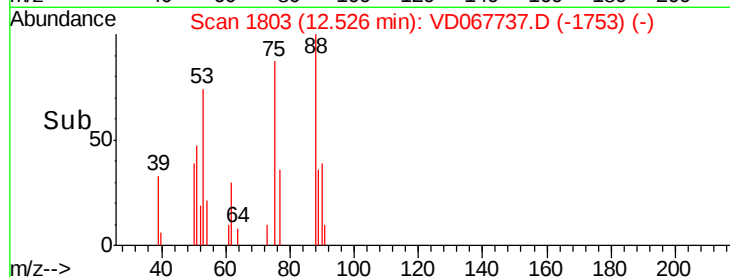
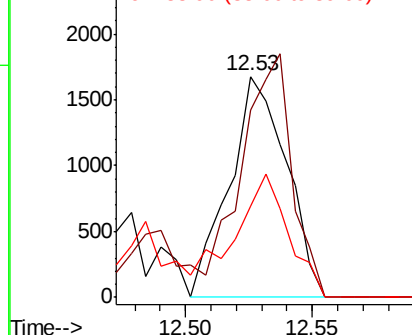
75 100

53 96.4 76.0 114.0

89 53.2 40.2 60.4



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 4.683 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD067737.D

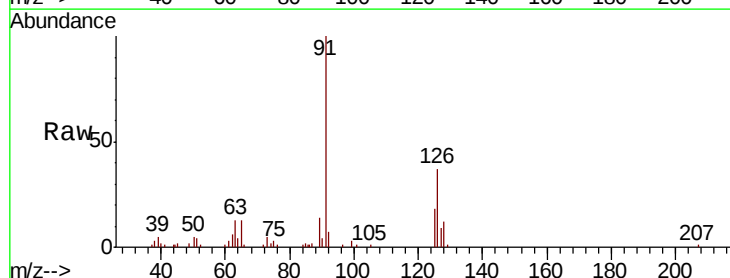
Acq: 23 Nov 2020 10:56

Tgt Ion: 91 Resp: 40456

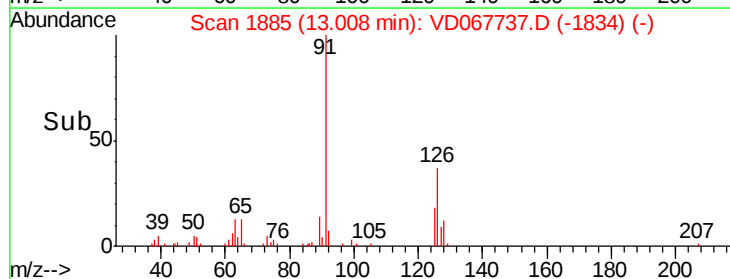
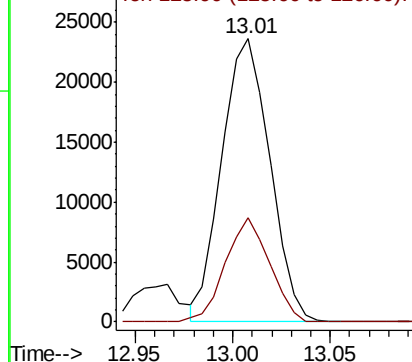
Ion Ratio Lower Upper

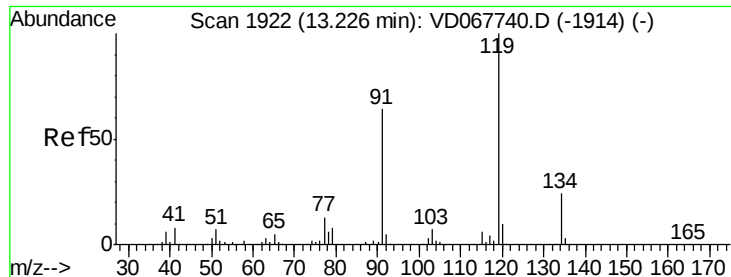
91 100

126 33.6 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

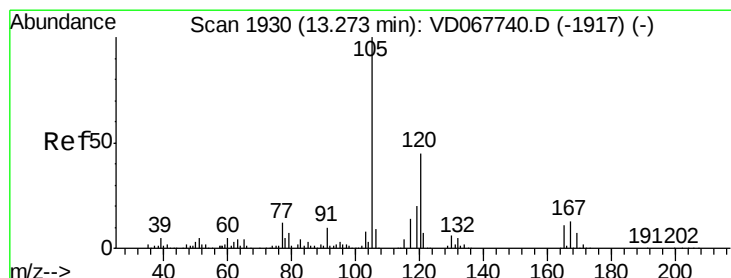
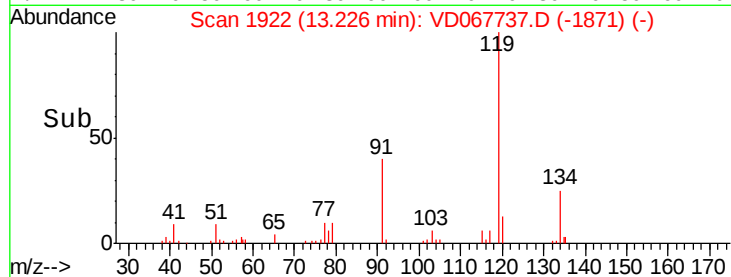
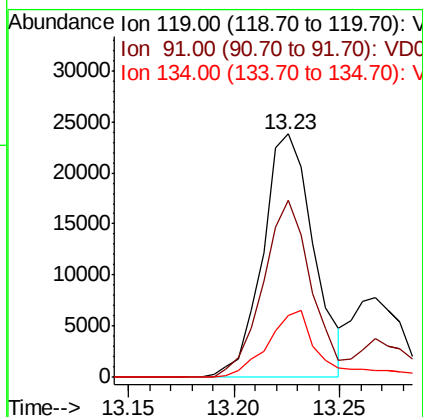
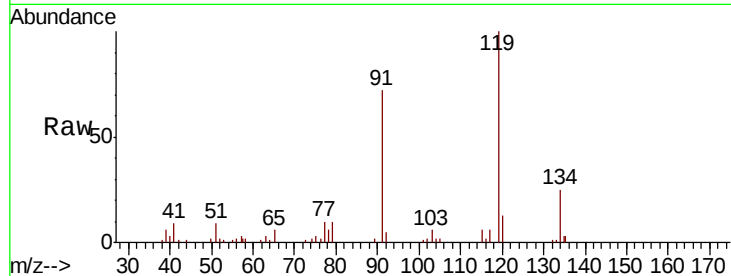




#83
tert-Butylbenzene
Concen: 4.360 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

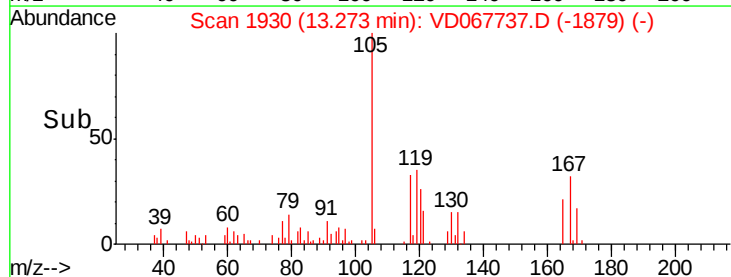
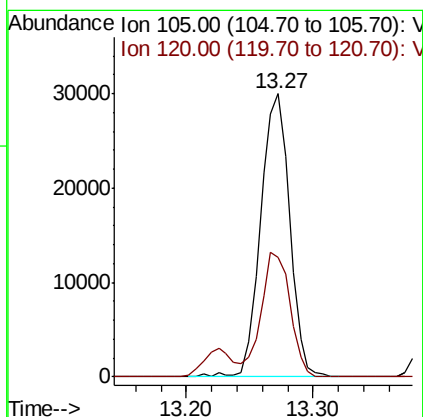
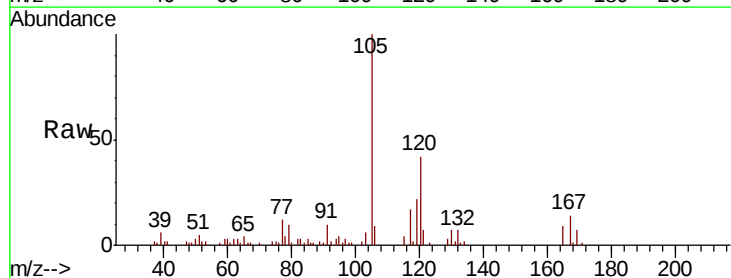
Instrument :
MSVOA_D
ClientSampled :
BFB

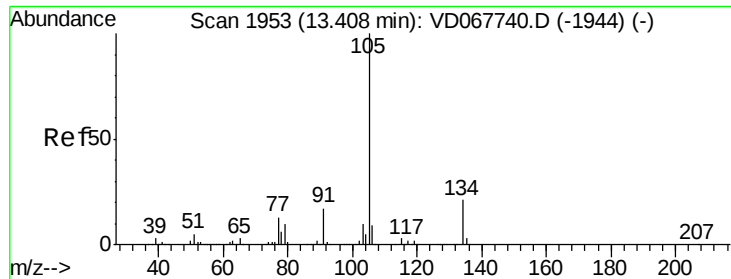
Tot Ion:119 Resp: 40011
Ion Ratio Lower Upper
119 100
91 70.1 32.9 98.7
134 28.0 12.9 38.6



#84
1,2,4-Trimethylbenzene
Concen: 4.463 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

Tgt Ion:105 Resp: 47820
Ion Ratio Lower Upper
105 100
120 43.9 22.6 67.7

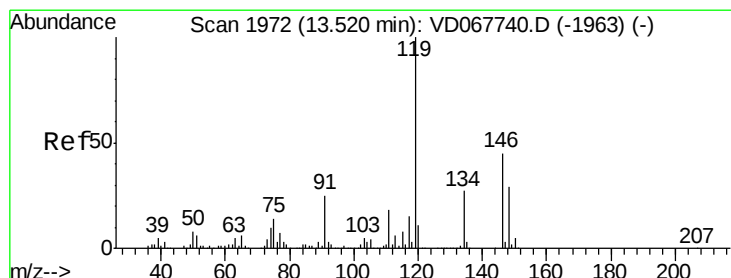
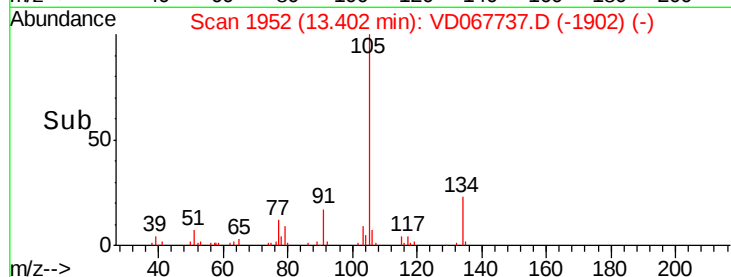
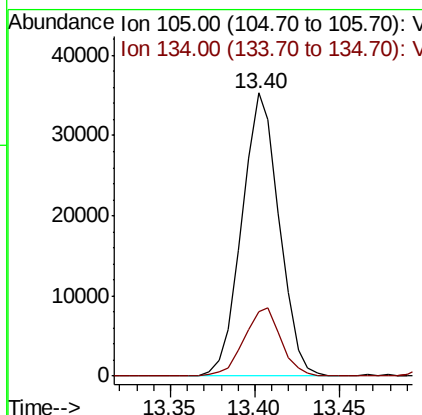
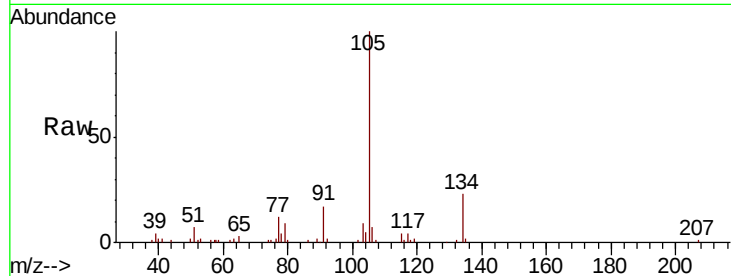




#85
 sec-Butylbenzene
 Concen: 4.495 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD067737.D
 Acq: 23 Nov 2020 10:56

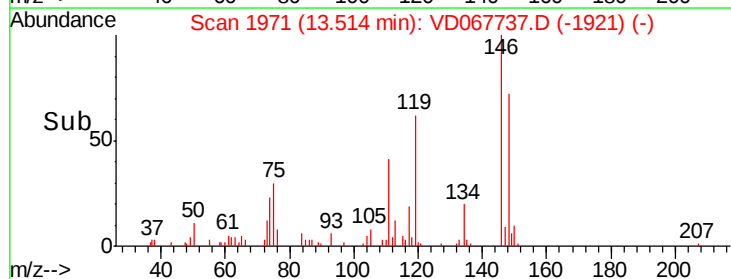
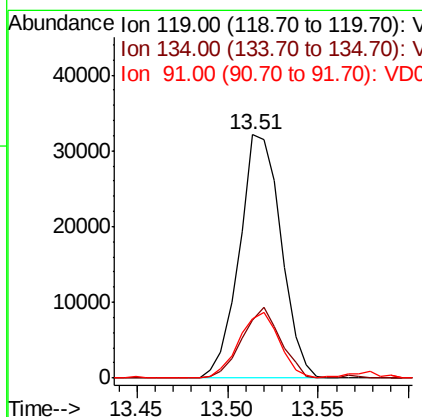
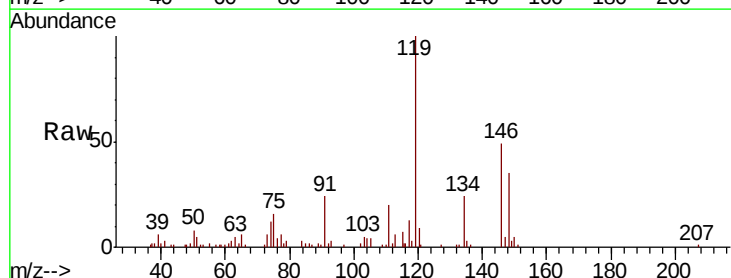
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

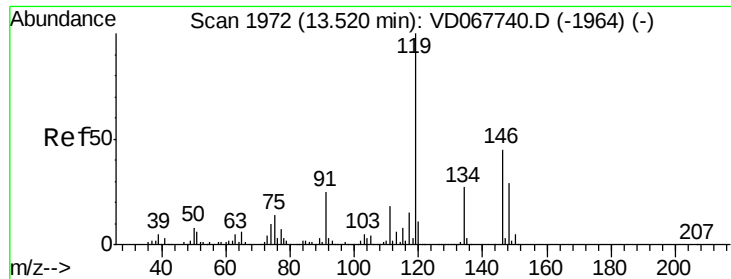
Tot Ion:105 Resp: 54477
 Ion Ratio Lower Upper
 105 100
 134 23.7 10.7 32.1



#86
 p-Isopropyltoluene
 Concen: 4.382 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.01 min
 Lab File: VD067737.D
 Acq: 23 Nov 2020 10:56

Tgt Ion:119 Resp: 51349
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.0 38.9
 91 26.0 12.7 38.1

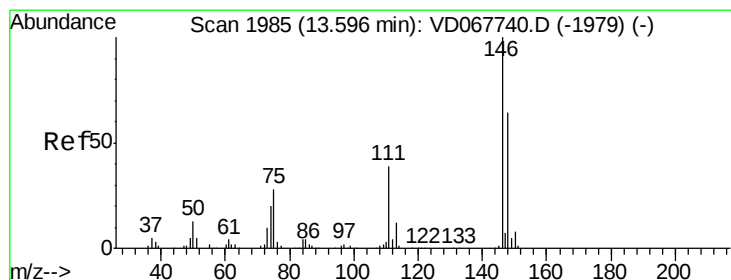
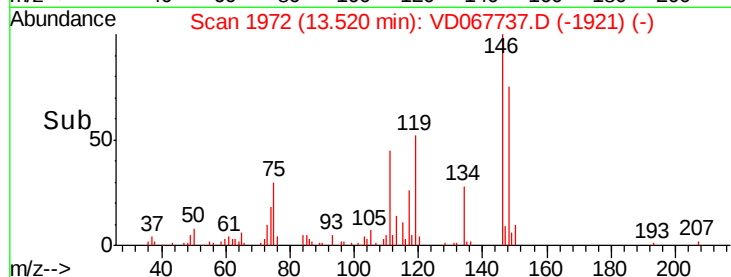
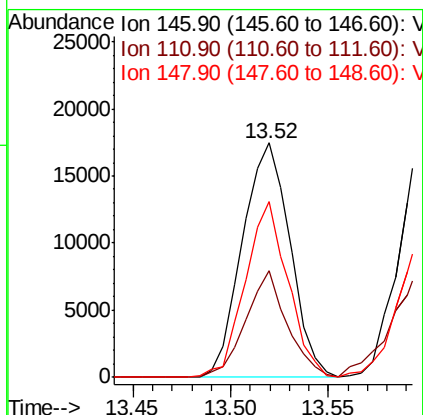
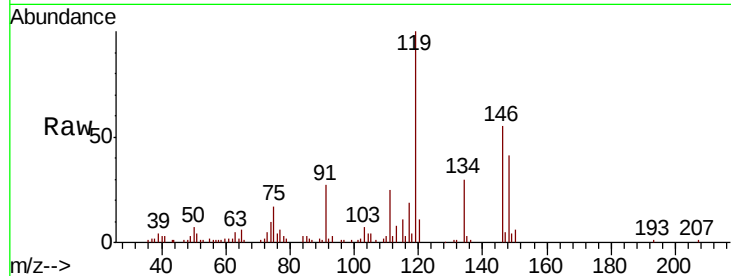




#87
 1,3-Dichlorobenzene
 Concen: 4.910 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067737.D
 Acq: 23 Nov 2020 10:56

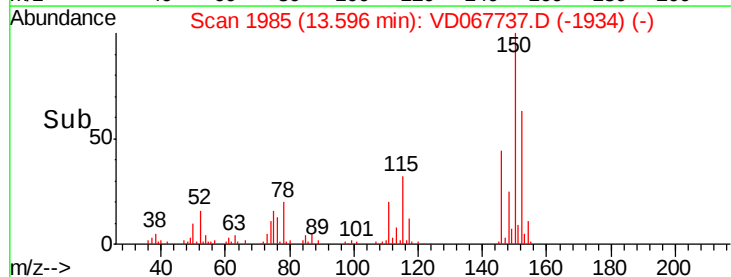
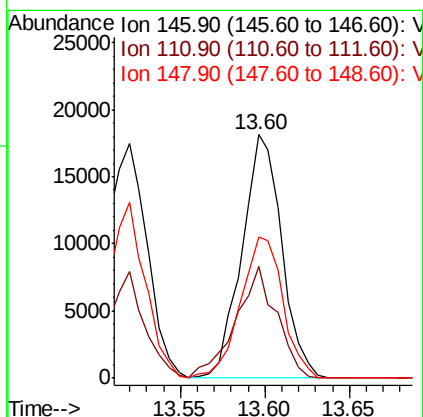
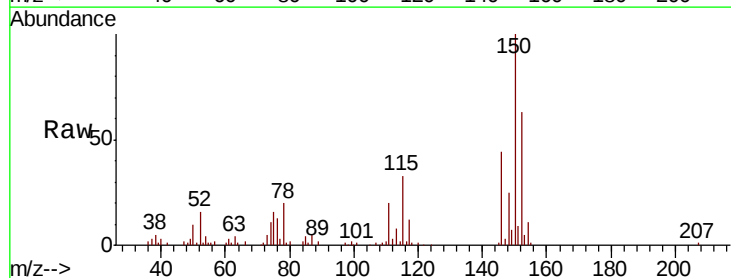
Instrument :
 MSVOA_D
 ClientSampled :
 BFB

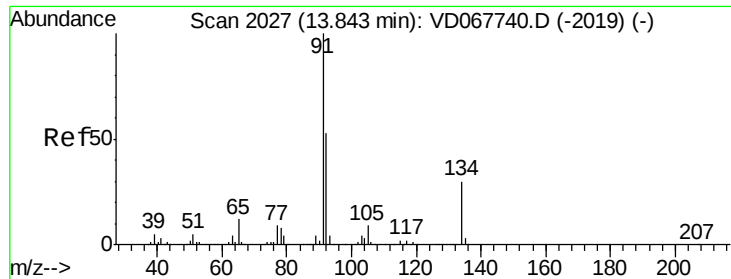
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.2	60.6
148	67.3	32.5	97.4



#88
 1,4-Dichlorobenzene
 Concen: 4.967 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD067737.D
 Acq: 23 Nov 2020 10:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.9	19.4	58.4
148	61.3	31.6	94.8

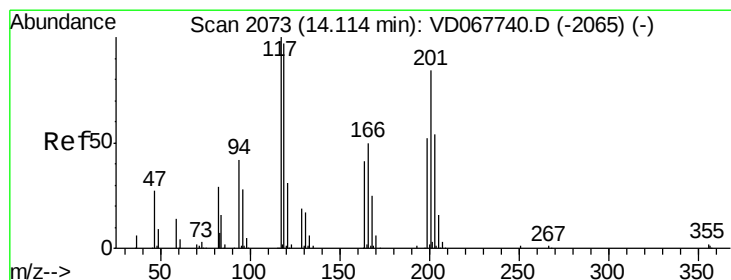
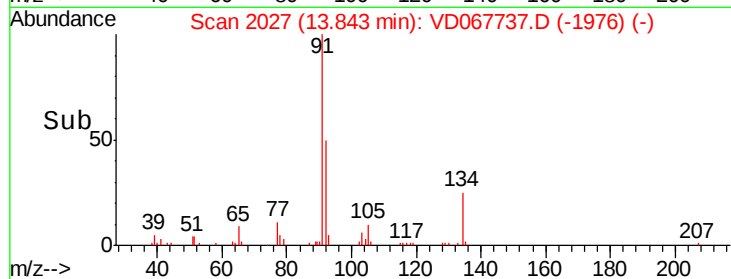
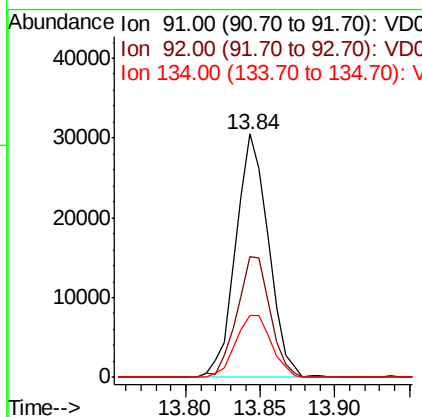
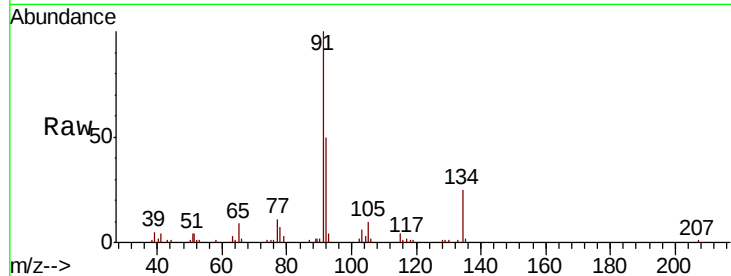




#89
n-Butylbenzene
Concen: 4.641 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

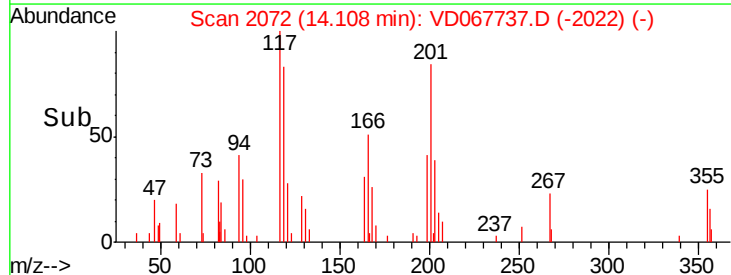
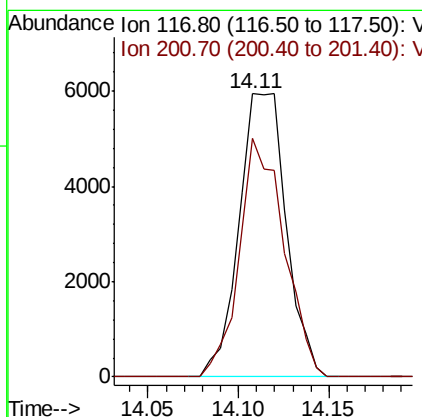
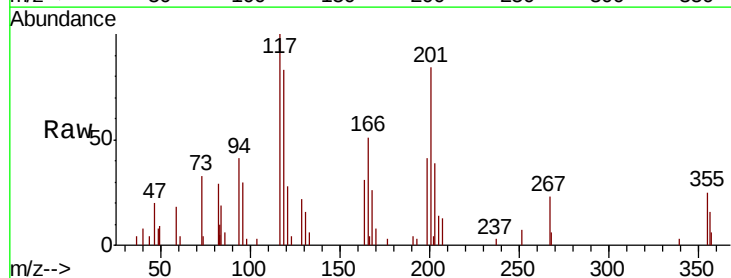
Instrument :
MSVOA_D
ClientSampled :
BFB

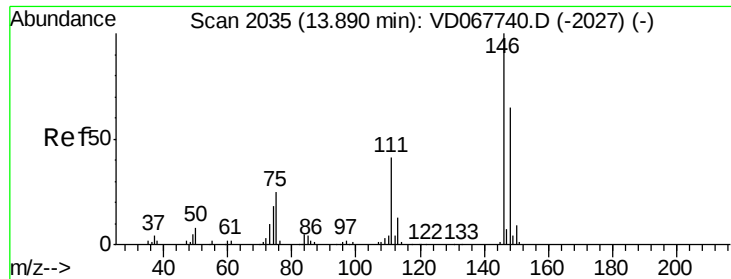
Tot Ion: 91 Resp: 46555
Ion Ratio Lower Upper
91 100
92 50.3 26.6 79.7
134 27.6 14.8 44.3



#90
Hexachloroethane
Concen: 4.837 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.01 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

Tgt Ion: 117 Resp: 10802
Ion Ratio Lower Upper
117 100
201 79.7 42.2 126.6

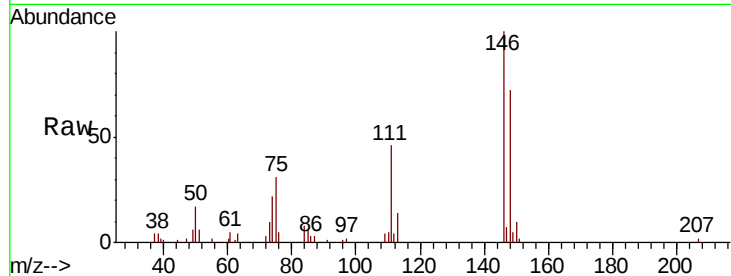




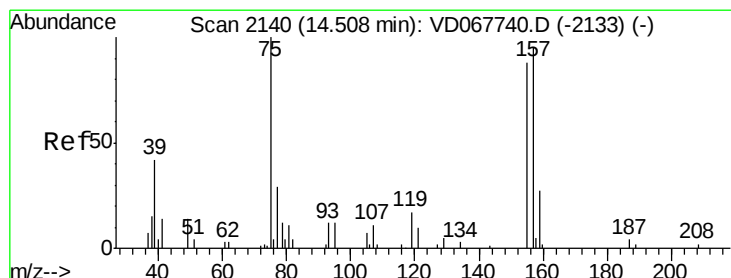
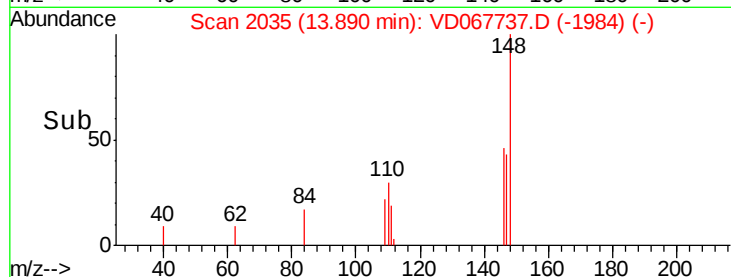
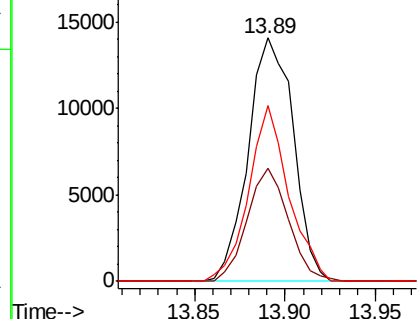
#91
 1,2-Dichlorobenzene
 Concen: 4.699 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD067737.D
 Acq: 23 Nov 2020 10:56

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Tot Ion:146 Resp: 24325
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.8 62.5
 148 64.4 32.4 97.2

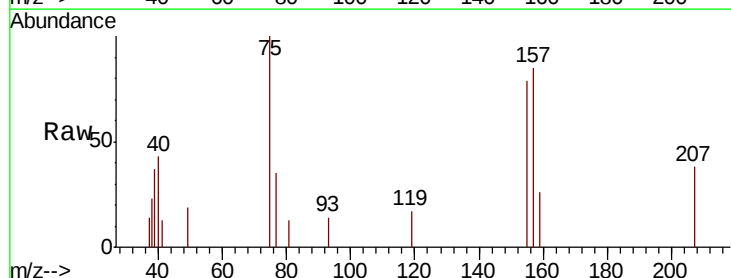


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

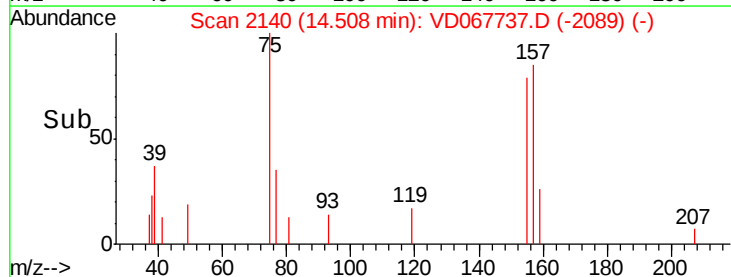
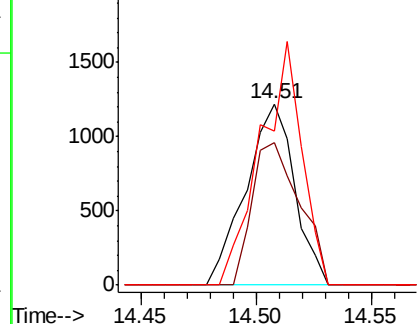


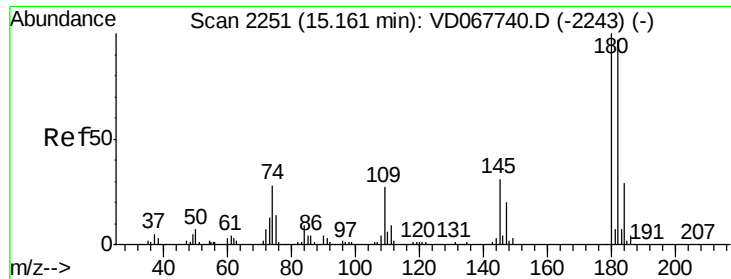
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.110 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD067737.D
 Acq: 23 Nov 2020 10:56

Tgt Ion: 75 Resp: 1798
 Ion Ratio Lower Upper
 75 100
 155 77.0 41.0 123.0
 157 114.2 51.1 153.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

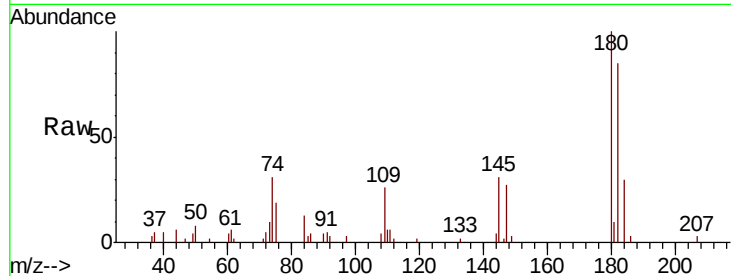




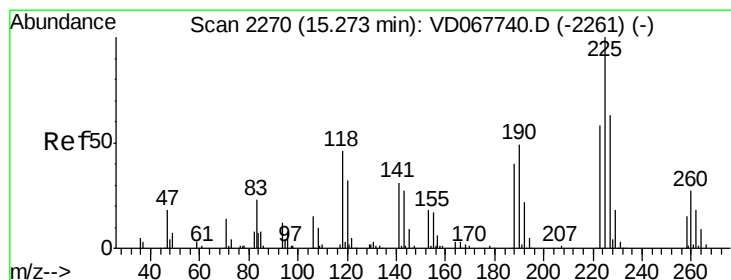
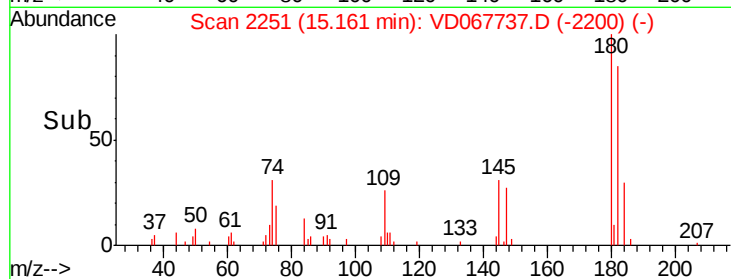
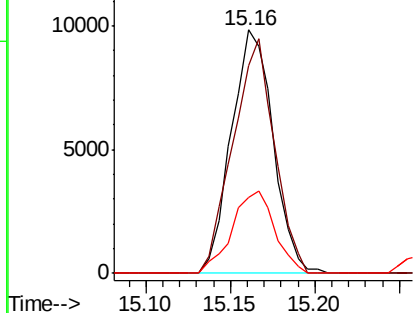
#93
 1,2,4-Trichlorobenzene
 Concen: 4.621 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD067737.D
 Acq: 23 Nov 2020 10:56

Instrument :
 MSVOA_D
 ClientSampled :
 BFB

Tot Ion:180 Resp: 16941
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.4 142.2
 145 34.4 16.1 48.3

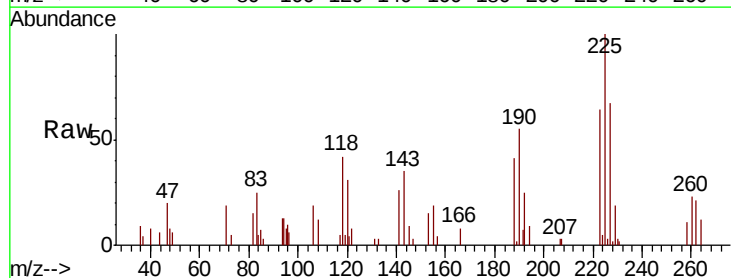


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

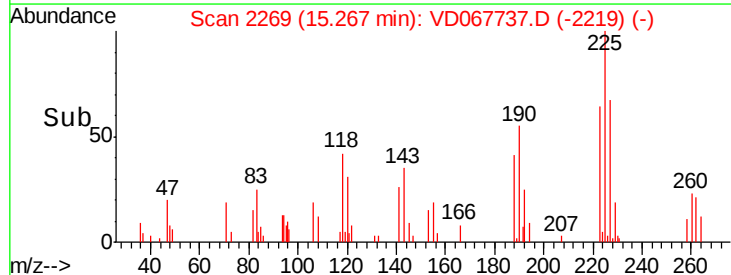
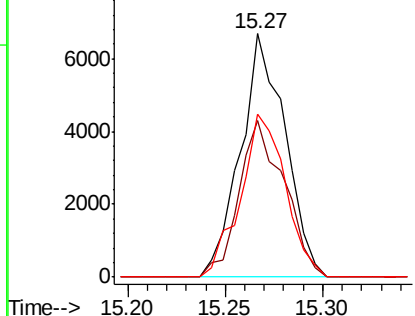


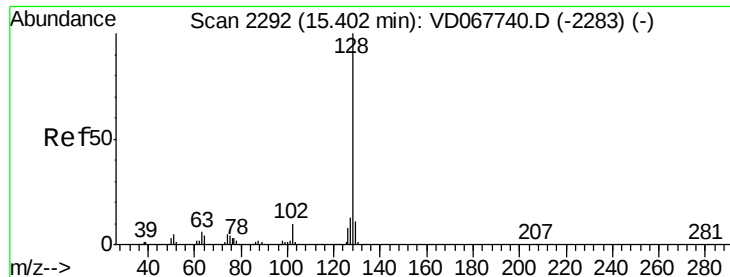
#94
 Hexachlorobutadiene
 Concen: 4.500 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD067737.D
 Acq: 23 Nov 2020 10:56

Tgt Ion:225 Resp: 10582
 Ion Ratio Lower Upper
 225 100
 223 65.0 31.5 94.5
 227 67.5 32.9 98.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

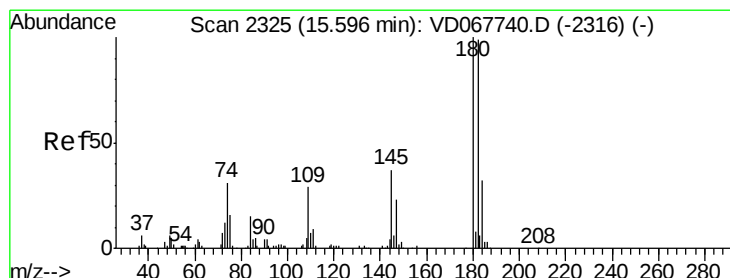
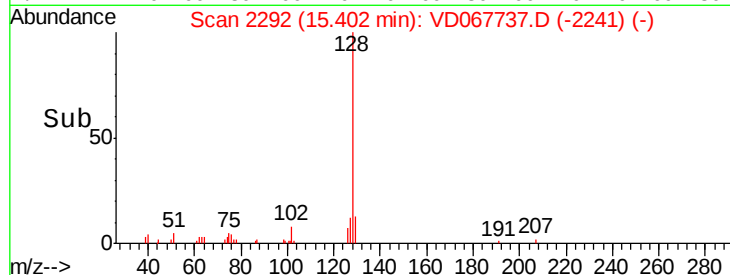
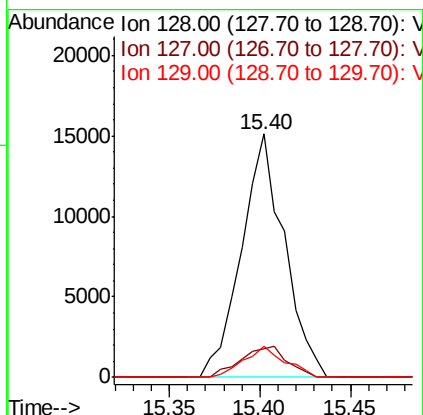
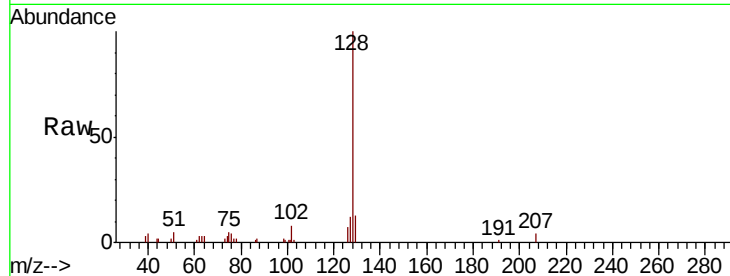




#95
Naphthalene
Concen: 4.184 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tot Ion:128 Resp: 24856
Ion Ratio Lower Upper
128 100
127 13.7 10.7 16.1
129 12.2 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 4.585 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VD067737.D
Acq: 23 Nov 2020 10:56

Tgt Ion:180 Resp: 14274
Ion Ratio Lower Upper
180 100
182 97.1 48.0 144.0
145 33.1 16.8 50.4

