

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122420\
 Data File : VD067949.D
 Acq On : 24 Dec 2020 16:38
 Operator : VA/SY
 Sample : L5199-01RE
 Misc : 5.6G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 25 00:16:18 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 23 07:34:16 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

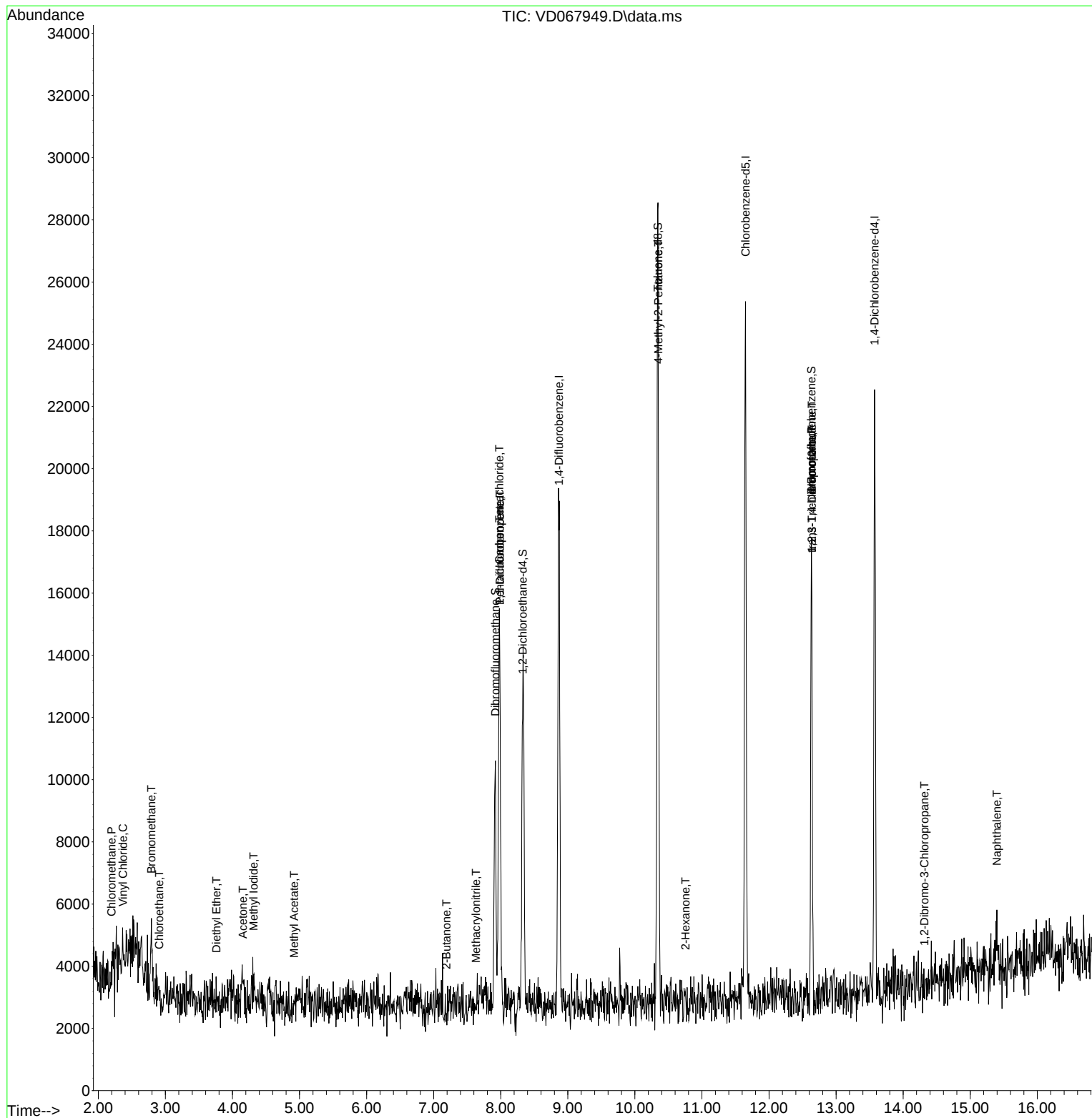
Internal Standards						
1) Pentafluorobenzene	7.985	168	8348	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.867	114	14243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	14288	50.00	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	5702	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	8425	93.46	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 186.92%#			
35) Dibromofluoromethane	7.920	113	5109	56.93	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.86%			
50) Toluene-d8	10.344	98	16817	49.85	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.70%			
62) 4-Bromofluorobenzene	12.632	95	4264	36.95	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 73.90%			
Target Compounds						Qvalue
3) Chloromethane	2.197	50	554	4.77	ug/l	# 42
4) Vinyl Chloride	2.368	62	165	1.52	ug/l	# 40
5) Bromomethane	2.791	94	1622	20.96	ug/l	# 46
6) Chloroethane	2.909	64	79	1.19	ug/l	# 45
8) Diethyl Ether	3.762	74	62	1.35	ug/l	# 1
10) Methyl Iodide	4.315	142	841	11.85	ug/l	# 93
16) Acetone	4.156	43	985	57.23	ug/l	# 47
18) Methyl Acetate	4.920	43	161	3.17	ug/l	# 53
25) 2-Butanone	7.191	43	55	2.17	ug/l	# 49
36) 1,1-Dichloropropene	7.985	75	947	6.26	ug/l	# 42
38) Carbon Tetrachloride	7.979	117	1186	8.20	ug/l	# 12
41) Methacrylonitrile	7.632	41	58	1.68	ug/l	# 23
51) 4-Methyl-2-Pentanone	10.350	43	72	1.24	ug/l	# 28
59) 2-Hexanone	10.755	43	56	1.46	ug/l	# 24
71) Bromoform	12.632	173	73	1.31	ug/l	# 1
76) 1,2,3-Trichloropropane	12.638	75	2350	48.95	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.638	75	2350	100.34	ug/l	# 15
92) 1,2-Dibromo-3-Chloropr...	14.314	75	56	4.56	ug/l	# 4
95) Naphthalene	15.396	128	1773	10.43	ug/l	# 92

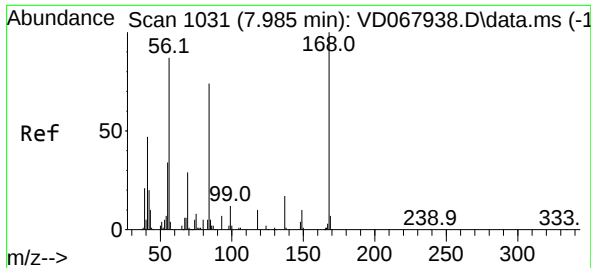
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 25 00:16:18 2020
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 23 07:34:16 2020
Response via : Initial Calibration

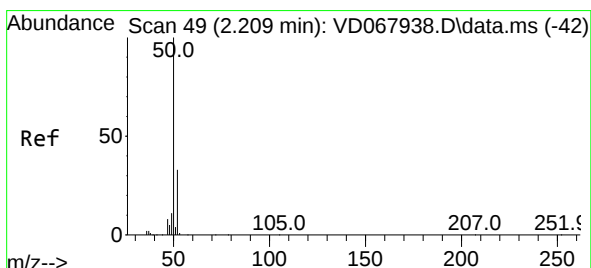
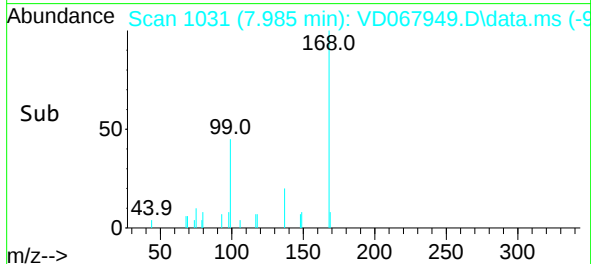
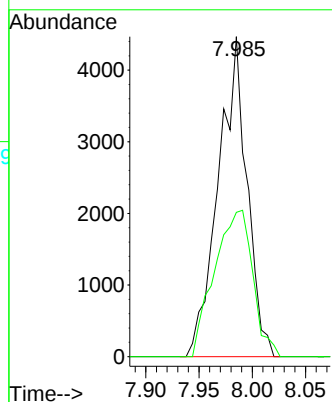
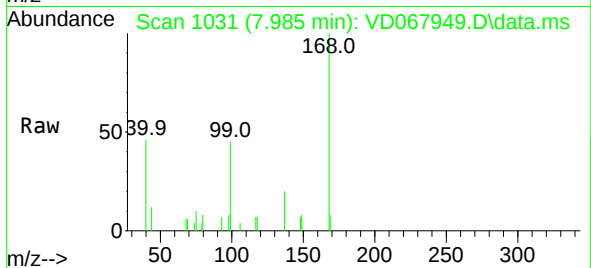




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD067949.D
Acq: 24 Dec 2020 16:38

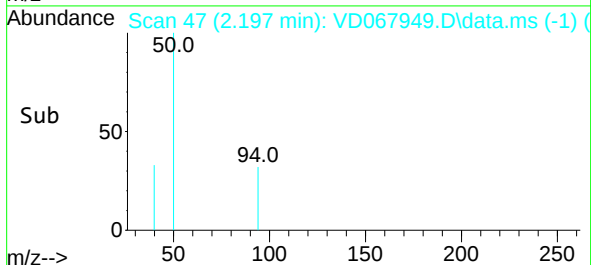
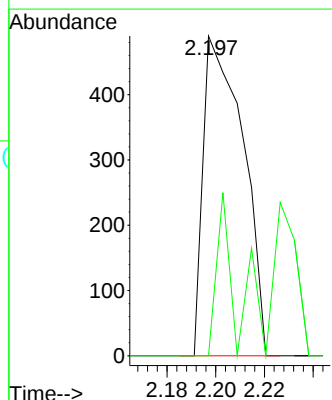
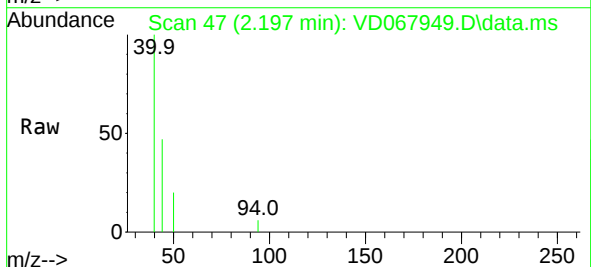
Instrument :
MSVOA_D
ClientSampled :

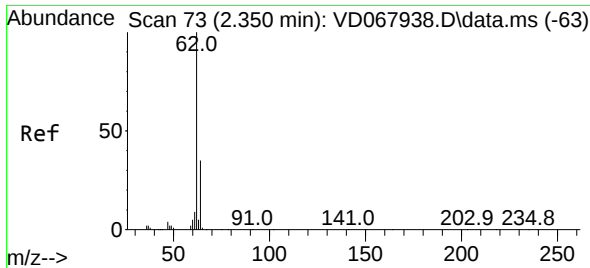
Tgt Ion:168 Resp: 8348
Ion Ratio Lower Upper
168 100
99 45.1 48.0 72.0#



#3
Chloromethane
Concen: 4.77 ug/l
RT: 2.197 min Scan# 47
Delta R.T. -0.012 min
Lab File: VD067949.D
Acq: 24 Dec 2020 16:38

Tgt Ion: 50 Resp: 554
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.4#

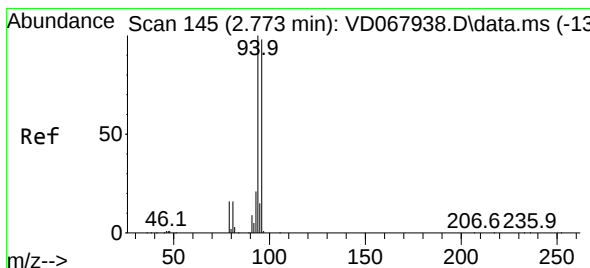
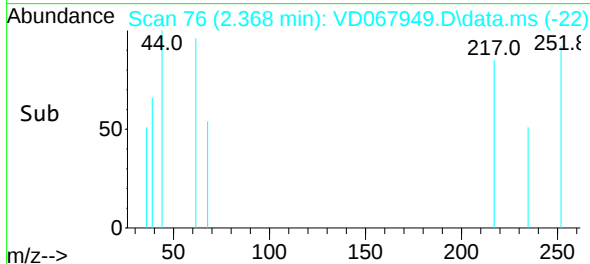
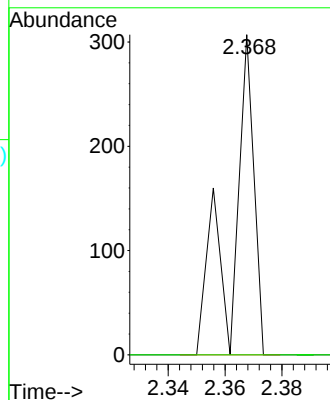
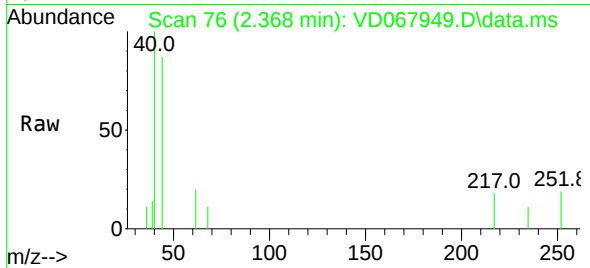




#4
 Vinyl Chloride
 Concen: 1.52 ug/l
 RT: 2.368 min Scan# 76
 Delta R.T. 0.018 min
 Lab File: VD067949.D
 Acq: 24 Dec 2020 16:38

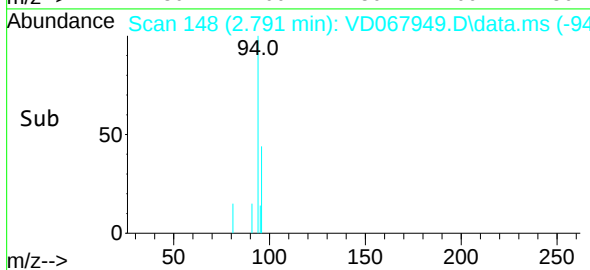
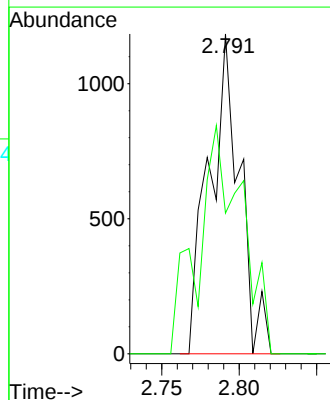
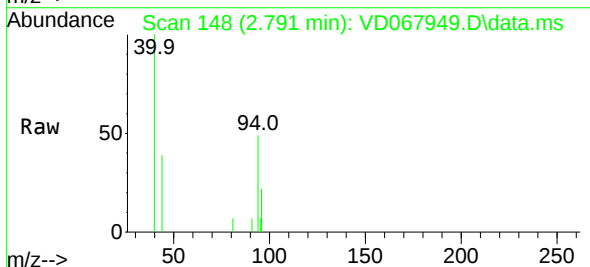
Instrument :
 MSVOA_D
 ClientSampled :

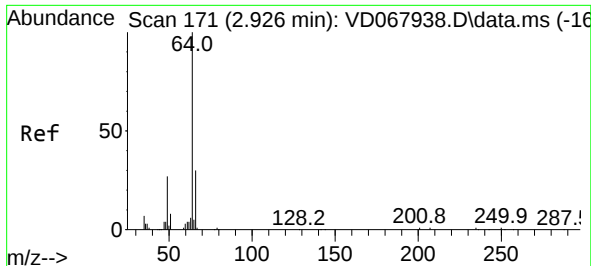
Tgt Ion: 62 Resp: 165
 Ion Ratio Lower Upper
 62 100
 64 0.0 28.1 42.1#



#5
 Bromomethane
 Concen: 20.96 ug/l
 RT: 2.791 min Scan# 148
 Delta R.T. 0.018 min
 Lab File: VD067949.D
 Acq: 24 Dec 2020 16:38

Tgt Ion: 94 Resp: 1622
 Ion Ratio Lower Upper
 94 100
 96 44.0 78.0 117.0#

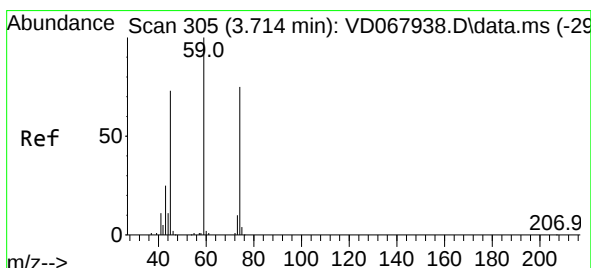
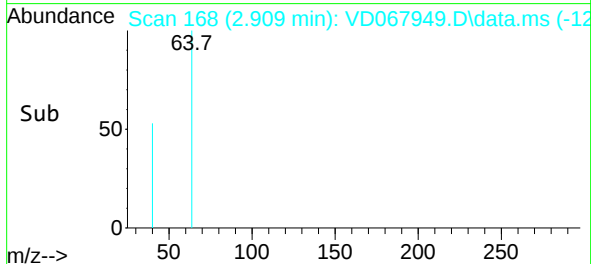
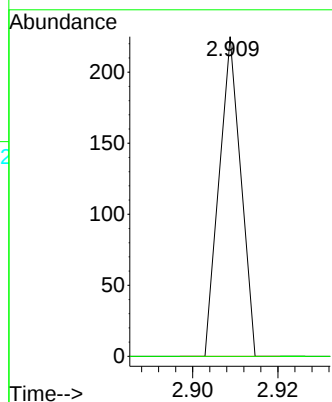
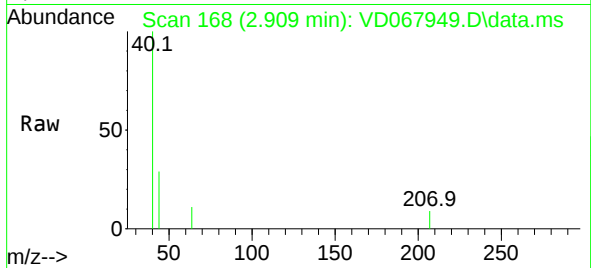




#6
Chloroethane
Concen: 1.19 ug/l
RT: 2.909 min Scan# 168
Delta R.T. -0.017 min
Lab File: VD067949.D
Acq: 24 Dec 2020 16:38

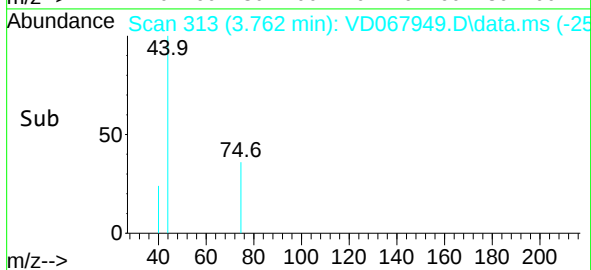
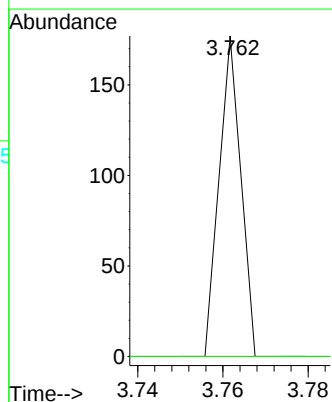
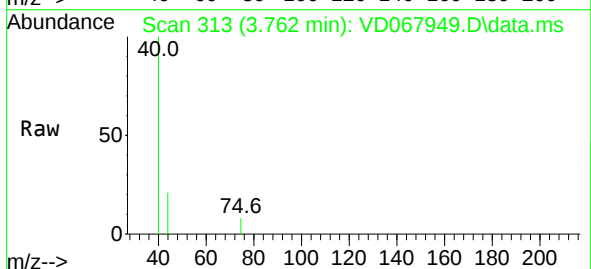
Instrument :
MSVOA_D
ClientSampleId :

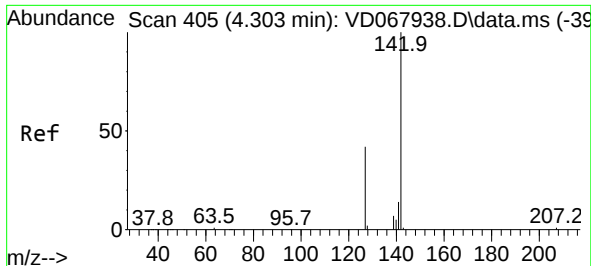
Tgt Ion: 64 Resp: 79
Ion Ratio Lower Upper
64 100
66 0.0 24.1 36.1#



#8
Diethyl Ether
Concen: 1.35 ug/l
RT: 3.762 min Scan# 313
Delta R.T. 0.047 min
Lab File: VD067949.D
Acq: 24 Dec 2020 16:38

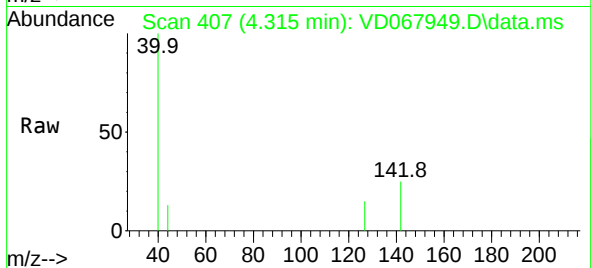
Tgt Ion: 74 Resp: 62
Ion Ratio Lower Upper
74 100
45 0.0 51.8 155.5#



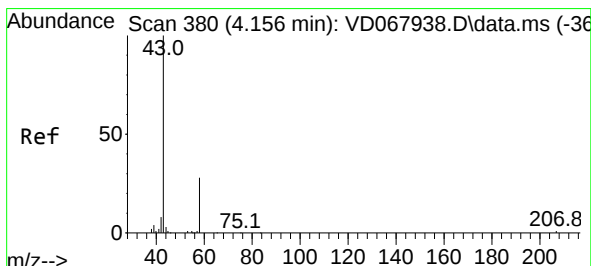
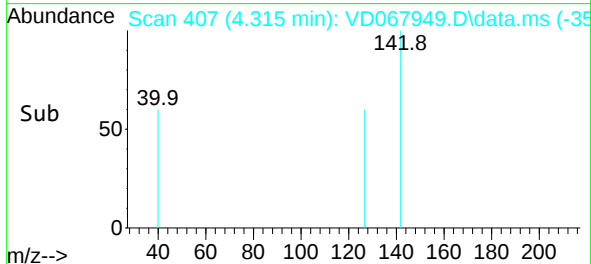
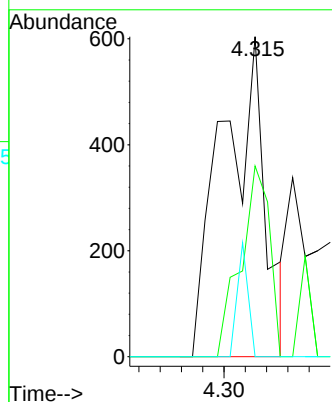


#10
Methyl Iodide
Concen: 11.85 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD067949.D
Acq: 24 Dec 2020 16:38

Instrument :
MSVOA_D
ClientSampleId :

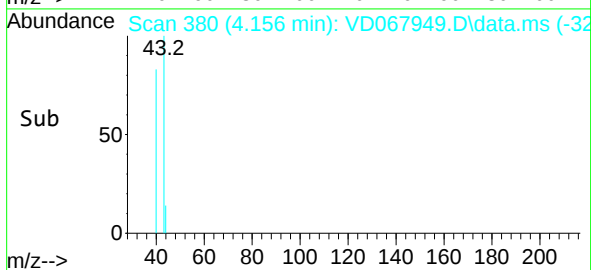
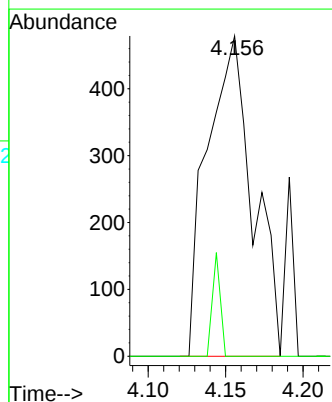
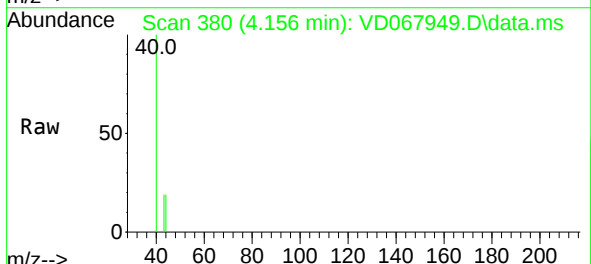


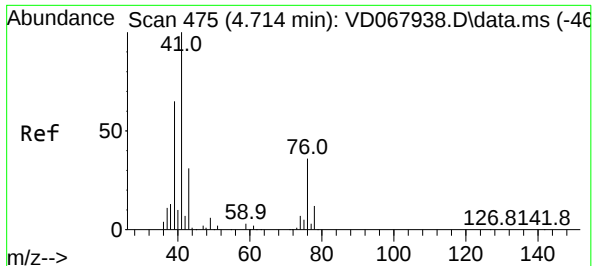
Tgt Ion:142 Resp: 841
Ion Ratio Lower Upper
142 100
127 40.4 34.4 51.6
141 9.0 11.8 17.8#



#16
Acetone
Concen: 57.23 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD067949.D
Acq: 24 Dec 2020 16:38

Tgt Ion: 43 Resp: 985
Ion Ratio Lower Upper
43 100
58 0.0 22.3 33.5#





#18

Methyl Acetate

Concen: 3.17 ug/l

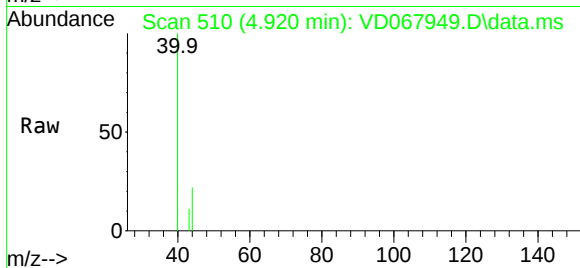
RT: 4.920 min Scan# 510

Delta R.T. 0.206 min

Lab File: VD067949.D

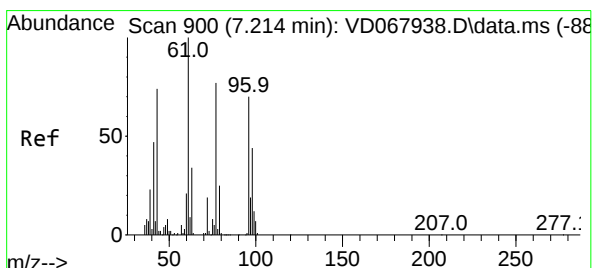
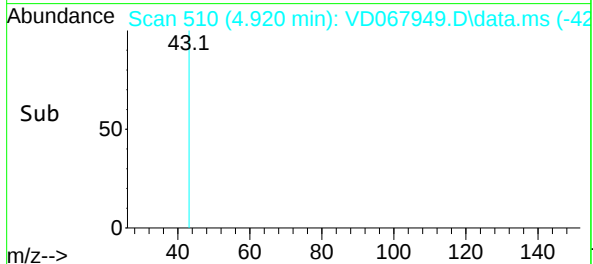
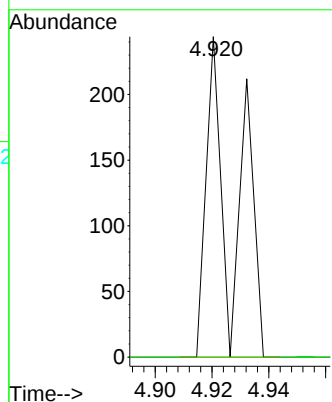
Acq: 24 Dec 2020 16:38

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 43 Resp: 161

Ion	Ratio	Lower	Upper
43	100		
74	0.0	18.2	27.2#



#25

2-Butanone

Concen: 2.17 ug/l

RT: 7.191 min Scan# 896

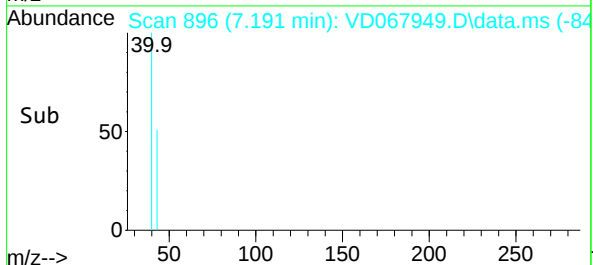
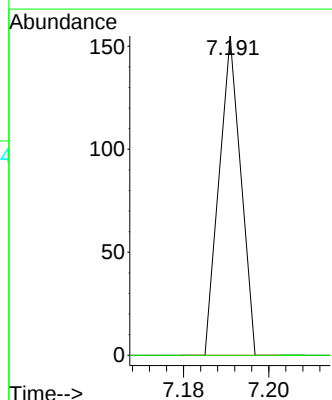
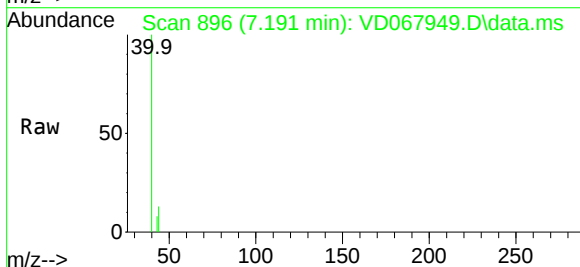
Delta R.T. -0.023 min

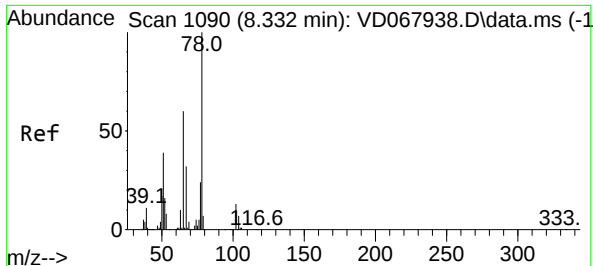
Lab File: VD067949.D

Acq: 24 Dec 2020 16:38

Tgt Ion: 43 Resp: 55

Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.8	31.2#

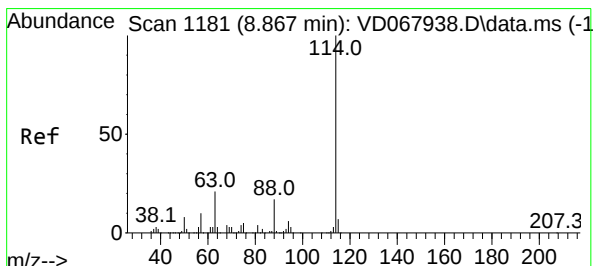
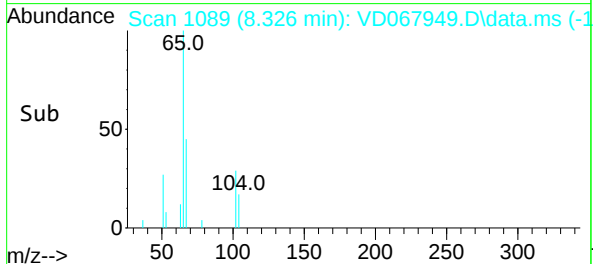
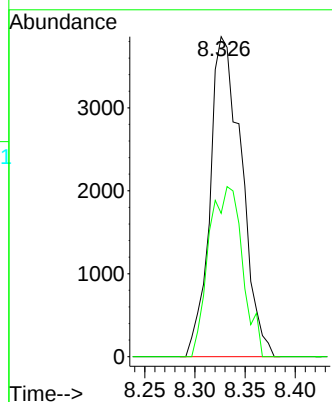
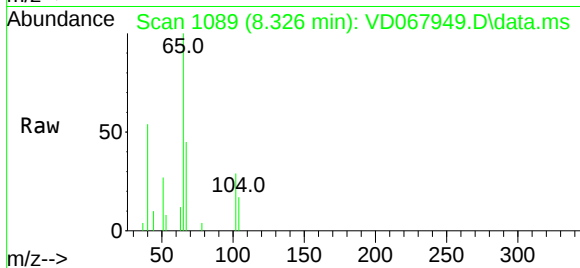




#33
1,2-Dichloroethane-d4
Concen: 93.46 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD067949.D
Acq: 24 Dec 2020 16:38

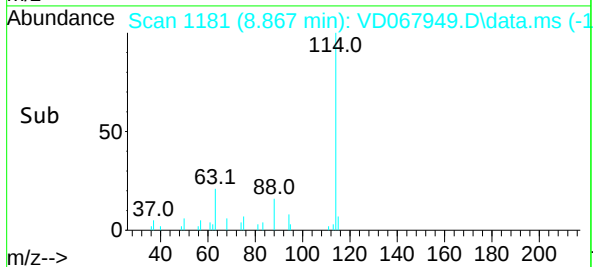
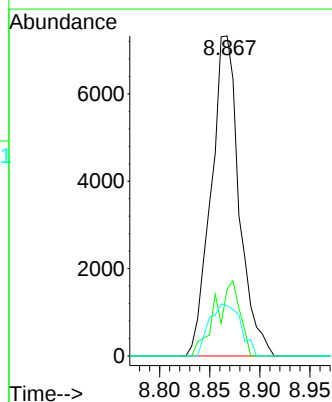
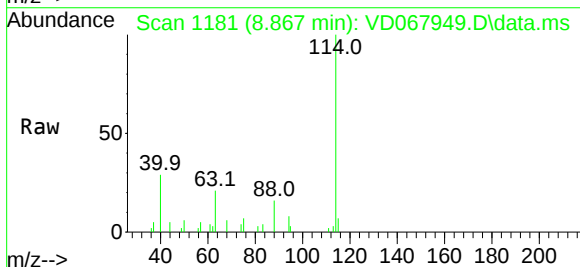
Instrument :
MSVOA_D
ClientSampleId :

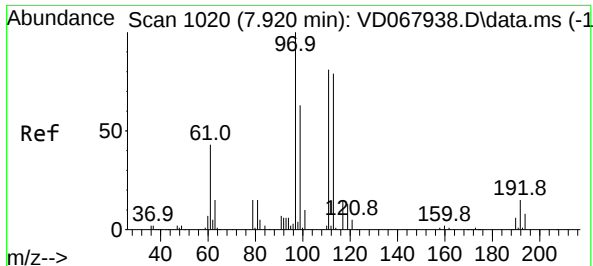
Tgt Ion: 65 Resp: 8425
Ion Ratio Lower Upper
65 100
67 56.8 0.0 110.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD067949.D
Acq: 24 Dec 2020 16:38

Tgt Ion: 114 Resp: 14243
Ion Ratio Lower Upper
114 100
63 20.8 0.0 41.4
88 15.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 56.93 ug/l

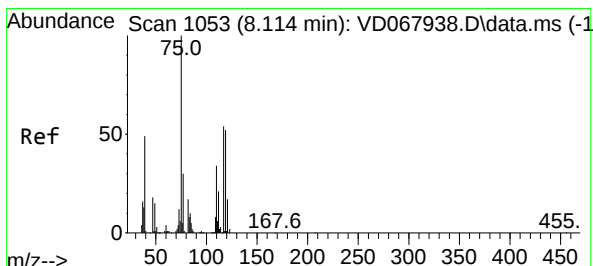
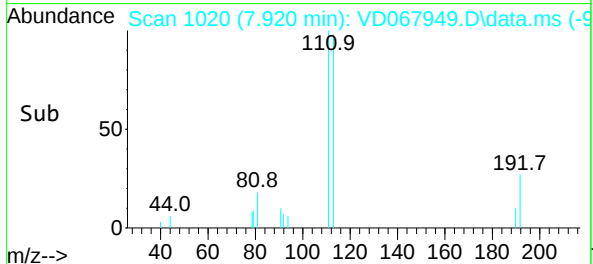
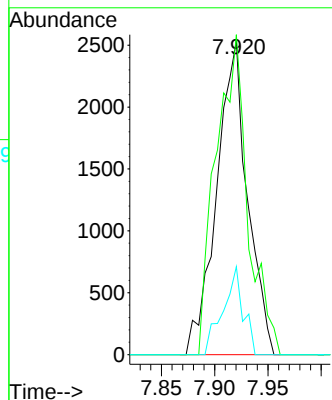
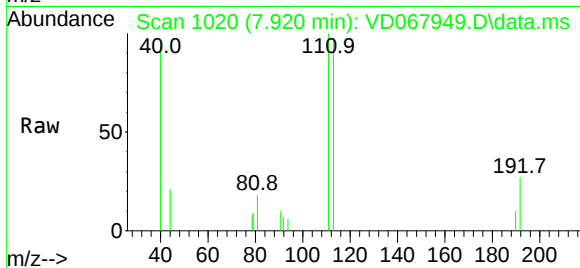
RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD067949.D

Acq: 24 Dec 2020 16:38

Tgt Ion:	113	Resp:	5109
Ion	Ratio	Lower	Upper
113	100		
111	105.0	79.3	118.9
192	18.3	14.5	21.7



#36

1,1-Dichloropropene

Concen: 6.26 ug/l

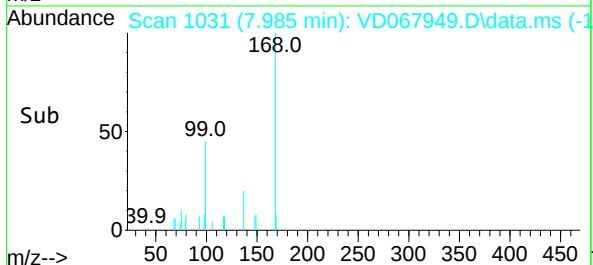
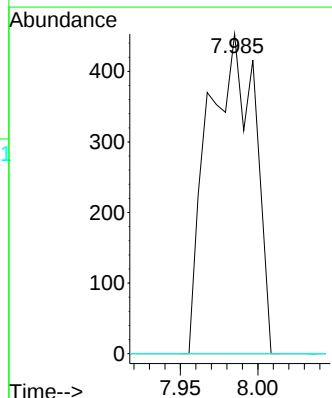
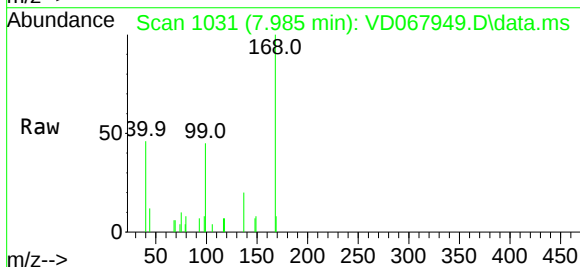
RT: 7.985 min Scan# 1031

Delta R.T. -0.129 min

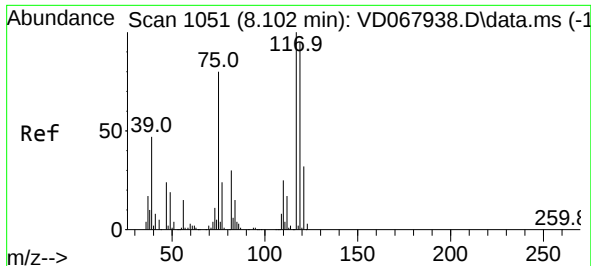
Lab File: VD067949.D

Acq: 24 Dec 2020 16:38

Tgt Ion:	75	Resp:	947
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.0	51.0#
77	0.0	24.6	37.0#

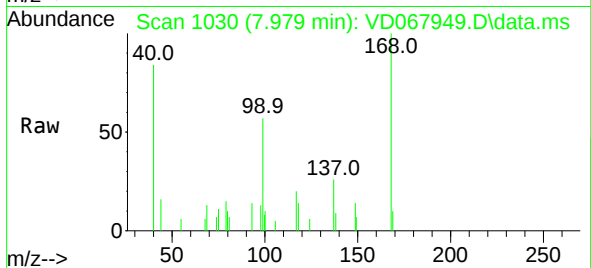


Instrument :
MSVOA_D
ClientSampleId :

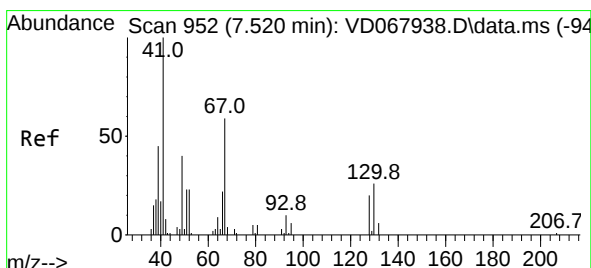
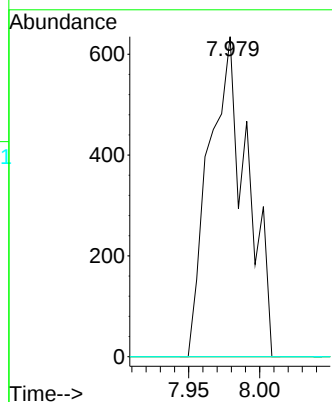
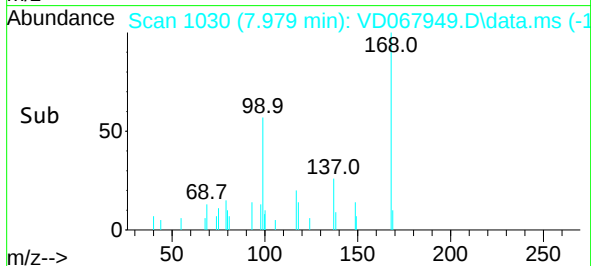


#38
Carbon Tetrachloride
Concen: 8.20 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD067949.D
Acq: 24 Dec 2020 16:38

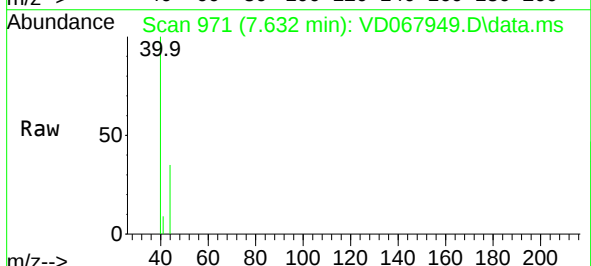
Instrument :
MSVOA_D
ClientSampleId :



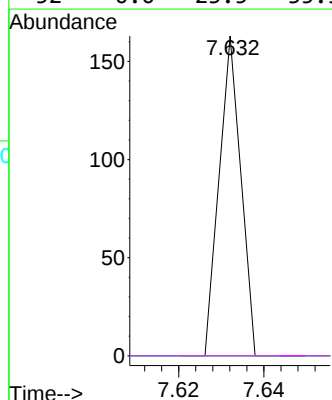
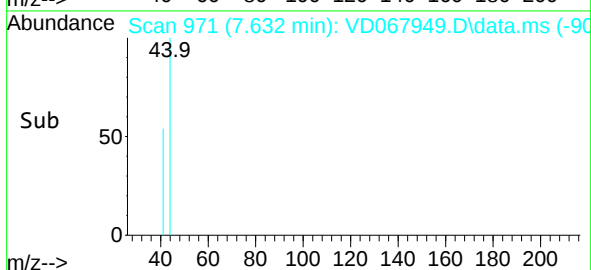
Tgt Ion:117 Resp: 1186
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.4#
121 0.0 25.9 38.9#

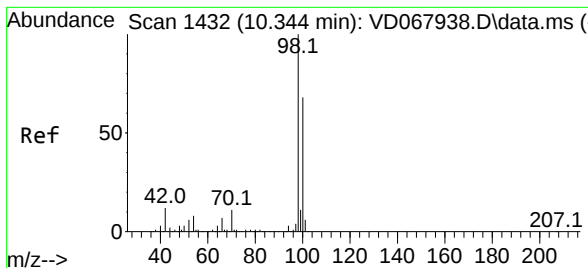


#41
Methacrylonitrile
Concen: 1.68 ug/l
RT: 7.632 min Scan# 971
Delta R.T. 0.112 min
Lab File: VD067949.D
Acq: 24 Dec 2020 16:38



Tgt Ion: 41 Resp: 58
Ion Ratio Lower Upper
41 100
39 0.0 46.2 69.2#
67 0.0 55.1 82.7#
52 0.0 23.5 35.3#

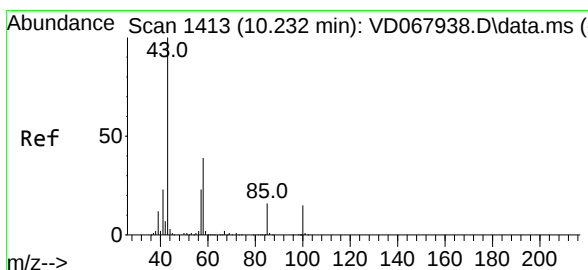
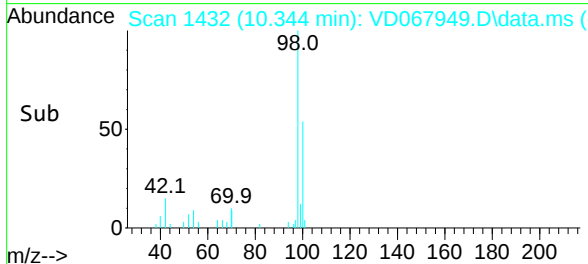
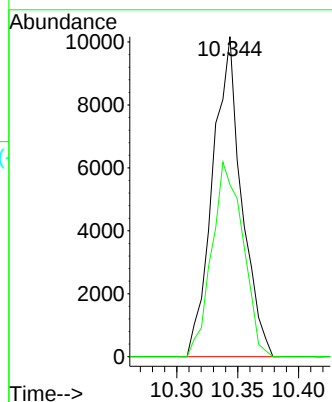
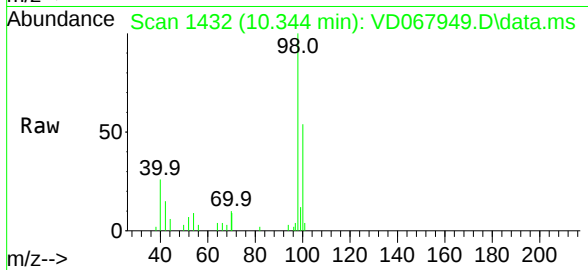




#50
Toluene-d8
Concen: 49.85 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD067949.D
Acq: 24 Dec 2020 16:38

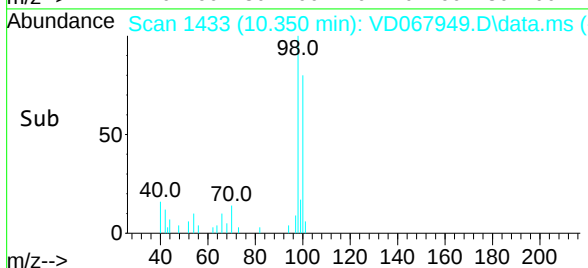
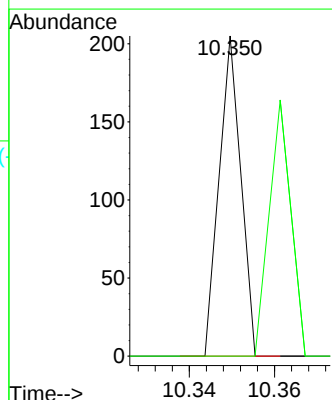
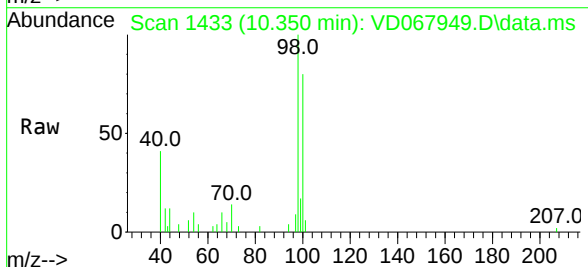
Instrument :
MSVOA_D
ClientSampleId :

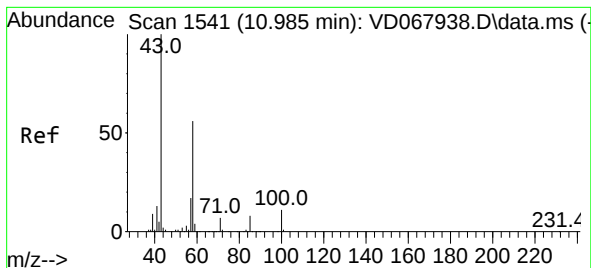
Tgt Ion: 98 Resp: 16817
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.24 ug/l
RT: 10.350 min Scan# 1433
Delta R.T. 0.118 min
Lab File: VD067949.D
Acq: 24 Dec 2020 16:38

Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
58 80.6 30.0 45.0#

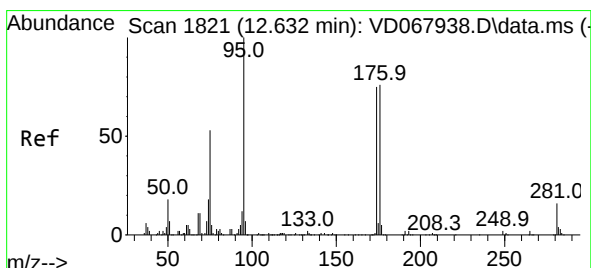
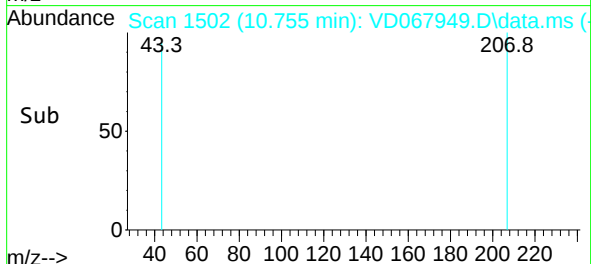
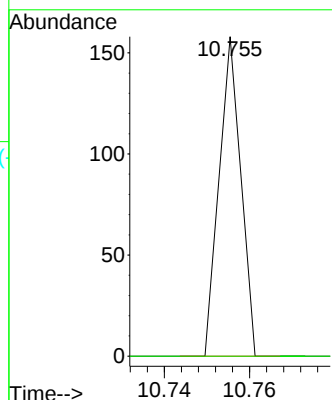
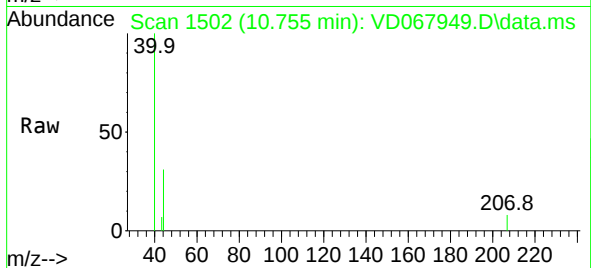




#59
2-Hexanone
Concen: 1.46 ug/l
RT: 10.755 min Scan# 1502
Delta R.T. -0.229 min
Lab File: VD067949.D
Acq: 24 Dec 2020 16:38

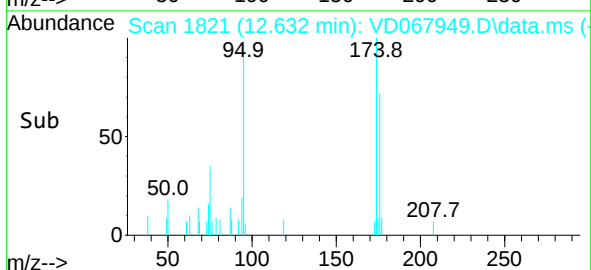
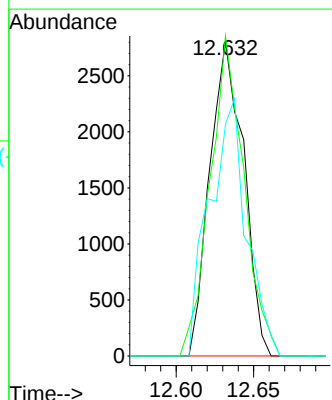
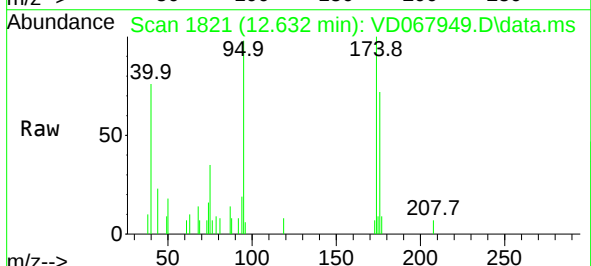
Instrument :
MSVOA_D
ClientSampleId :

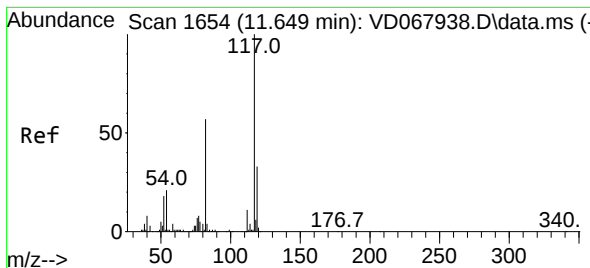
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 36.95 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD067949.D
Acq: 24 Dec 2020 16:38

Tgt Ion: 95 Resp: 4264
Ion Ratio Lower Upper
95 100
174 101.6 0.0 150.6
176 89.4 0.0 151.2

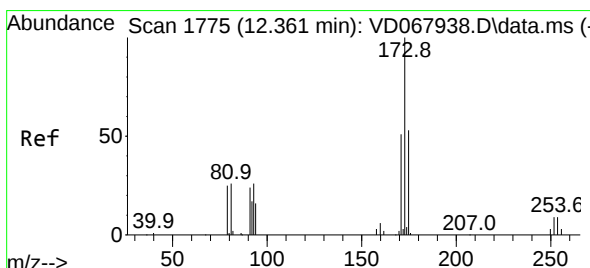
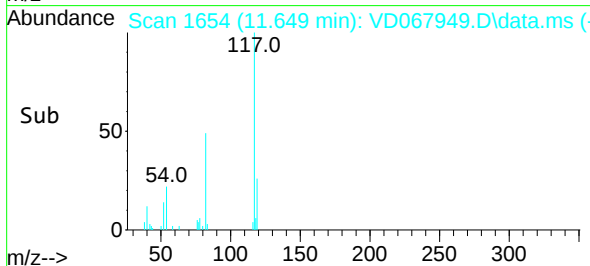
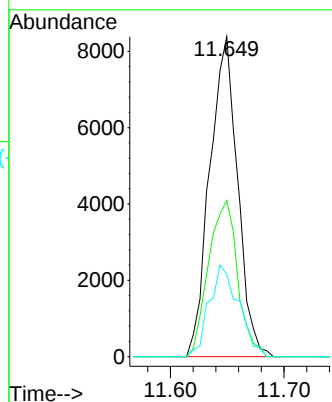
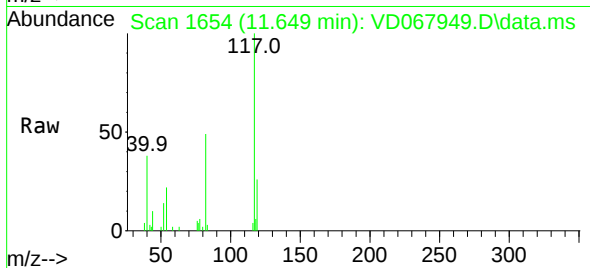




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD067949.D
Acq: 24 Dec 2020 16:38

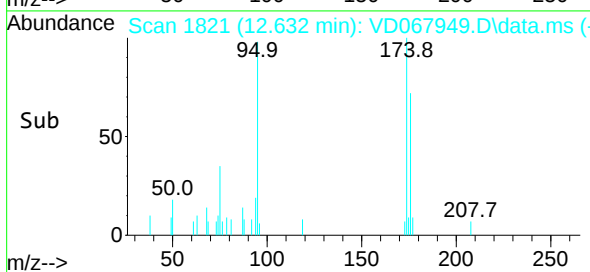
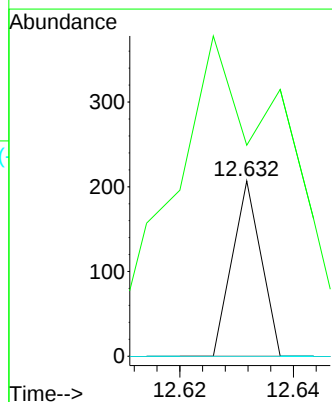
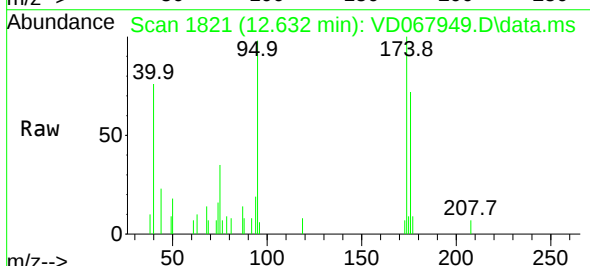
Instrument :
MSVOA_D
ClientSampleId :

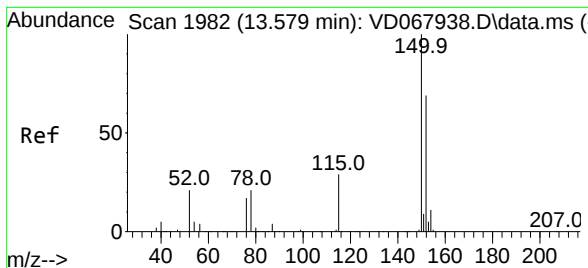
Tgt Ion:117 Resp: 14288
Ion Ratio Lower Upper
117 100
82 48.9 45.4 68.0
119 25.7 26.7 40.1#



#71
Bromoform
Concen: 1.31 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.271 min
Lab File: VD067949.D
Acq: 24 Dec 2020 16:38

Tgt Ion:173 Resp: 73
Ion Ratio Lower Upper
173 100
175 474.0 24.6 73.8#
254 0.0 0.0 0.0

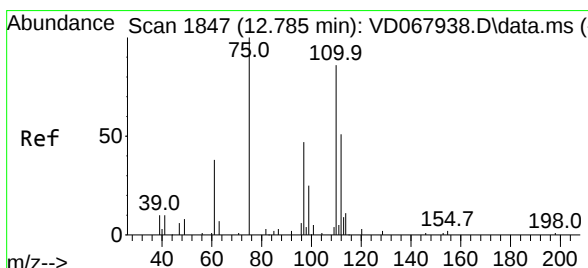
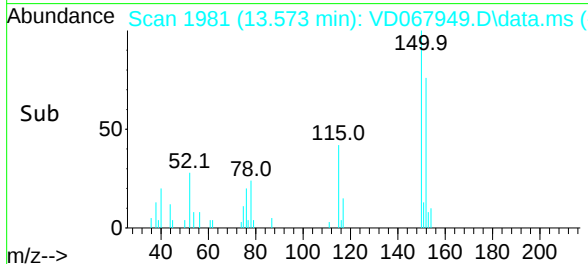
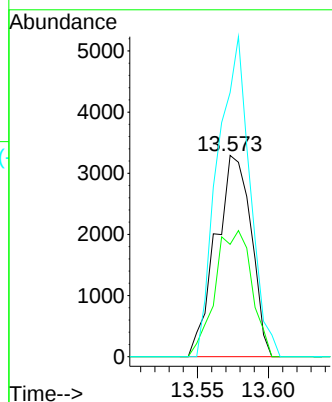
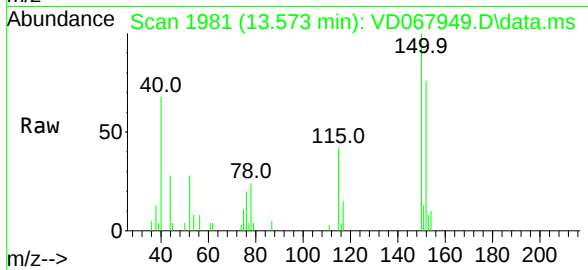




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. -0.006 min
 Lab File: VD067949.D
 Acq: 24 Dec 2020 16:38

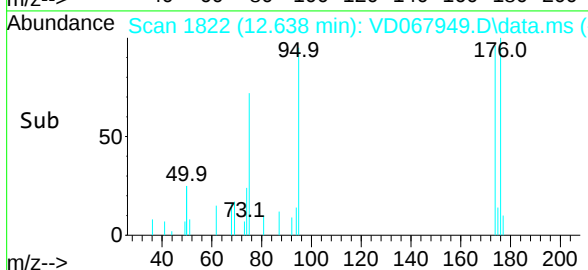
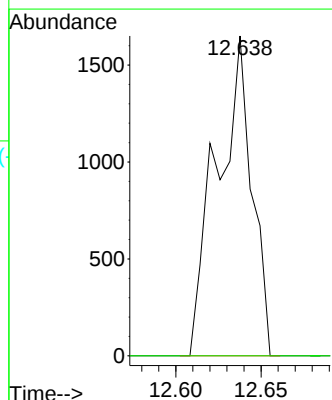
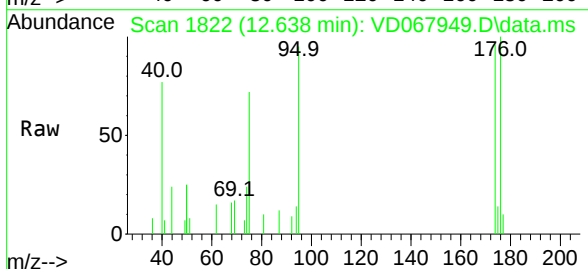
Instrument :
 MSVOA_D
 ClientSampleId :

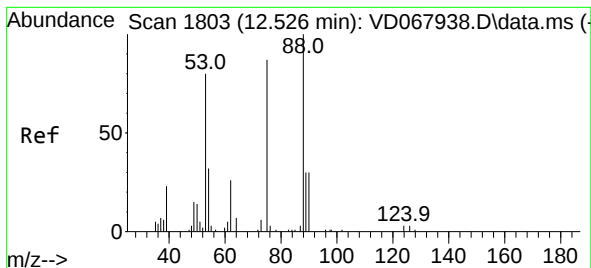
Tgt Ion:152 Resp: 5702
 Ion Ratio Lower Upper
 152 100
 115 64.8 29.3 88.0
 150 144.8 0.0 340.0



#76
 1,2,3-Trichloropropane
 Concen: 48.95 ug/l
 RT: 12.638 min Scan# 1822
 Delta R.T. -0.147 min
 Lab File: VD067949.D
 Acq: 24 Dec 2020 16:38

Tgt Ion: 75 Resp: 2350
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

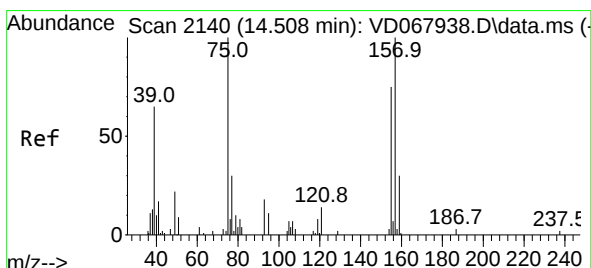
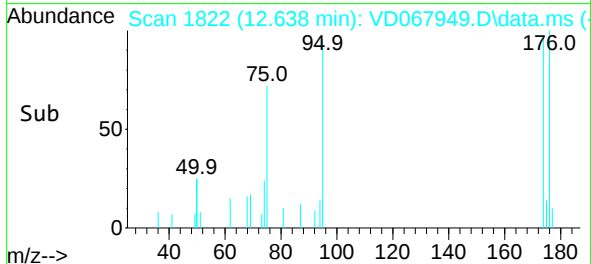
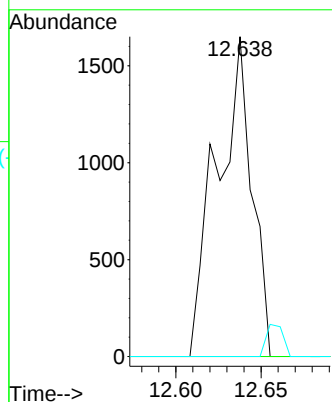
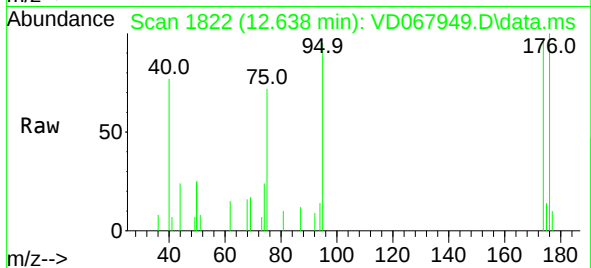




#81
trans-1,4-Dichloro-2-butene
Concen: 100.34 ug/l
RT: 12.638 min Scan# 1822
Delta R.T. 0.112 min
Lab File: VD067949.D
Acq: 24 Dec 2020 16:38

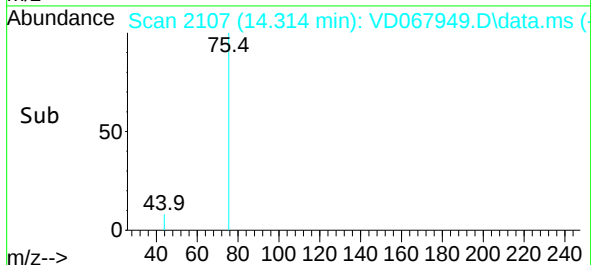
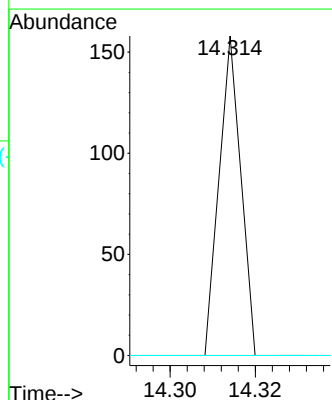
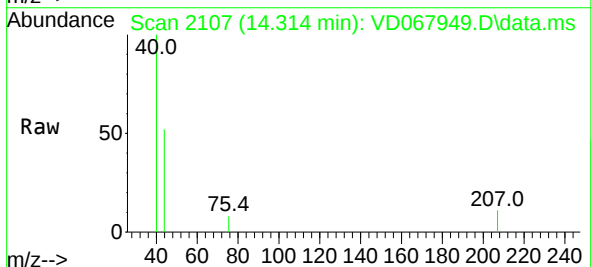
Instrument :
MSVOA_D
ClientSampleId :

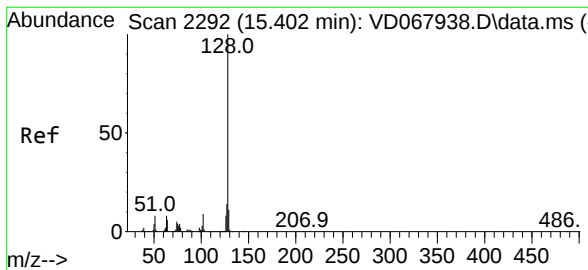
Tgt Ion: 75 Resp: 2350
Ion Ratio Lower Upper
75 100
53 0.0 74.9 112.3#
89 4.8 33.8 50.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.56 ug/l
RT: 14.314 min Scan# 2107
Delta R.T. -0.194 min
Lab File: VD067949.D
Acq: 24 Dec 2020 16:38

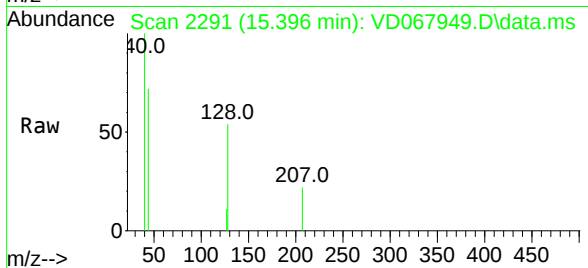
Tgt Ion: 75 Resp: 56
Ion Ratio Lower Upper
75 100
155 0.0 39.8 119.3#
157 0.0 50.6 151.9#





#95
Naphthalene
Concen: 10.43 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. -0.006 min
Lab File: VD067949.D
Acq: 24 Dec 2020 16:38

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 1773
Ion Ratio Lower Upper
128 100
127 17.5 11.2 16.8#
129 7.8 8.6 12.8#

