

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070721\
 Data File : VD069612.D
 Acq On : 07 Jul 2021 17:02
 Operator : VA/SY
 Sample : M2926-04
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 08 01:08:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

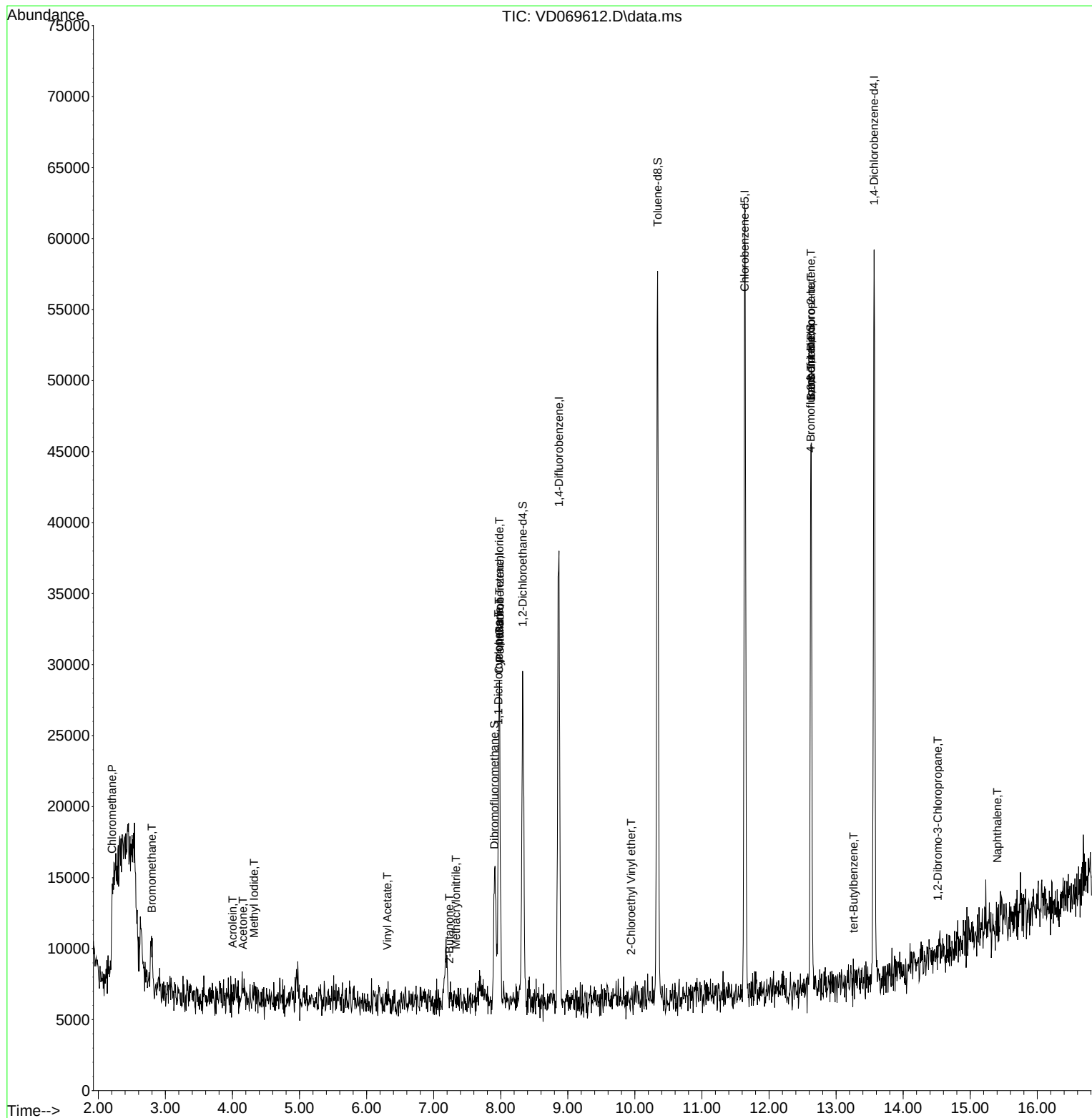
Internal Standards						
1) Pentafluorobenzene	7.985	168	14676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	28611	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	33029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	12229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	16431	89.819	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 179.640%#			
35) Dibromofluoromethane	7.903	113	7906	40.878	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 81.760%			
50) Toluene-d8	10.338	98	34480	47.529	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.060%			
62) 4-Bromofluorobenzene	12.620	95	12514	52.471	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.940%			
Target Compounds						Qvalue
3) Chloromethane	2.203	50	1304	6.333	ug/l #	76
5) Bromomethane	2.797	94	2647	17.976	ug/l	88
10) Methyl Iodide	4.321	142	1709	14.185	ug/l #	84
13) Acrolein	4.003	56	57	5.598	ug/l #	15
16) Acetone	4.156	43	1747	56.738	ug/l #	41
18) Methyl Acetate	4.721	43	116	Below Cal	#	49
23) Vinyl Acetate	6.309	43	120	19.436	ug/l #	70
25) 2-Butanone	7.232	43	79	2.019	ug/l #	44
31) Cyclohexane	7.973	56	423	1.717	ug/l #	42
36) 1,1-Dichloropropene	7.967	75	1037	3.693	ug/l #	49
38) Carbon Tetrachloride	7.979	117	1875	6.747	ug/l #	13
41) Methacrylonitrile	7.332	41	72	1.187	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.944	63	62	11.228	ug/l #	47
71) Bromoform	12.626	173	153	1.264	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	6318	52.631	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	6318	131.412	ug/l #	12
83) tert-Butylbenzene	13.261	119	78	2.110	ug/l #	27
92) 1,2-Dibromo-3-Chloropr...	14.514	75	59	2.298	ug/l #	4
95) Naphthalene	15.402	128	56	3.491	ug/l #	69

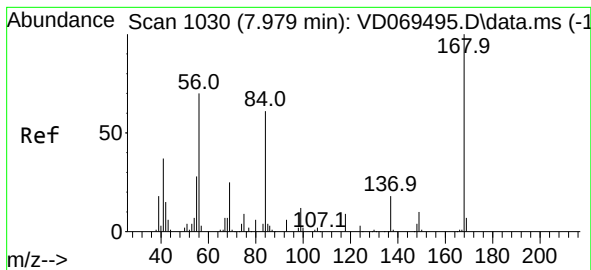
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 22 04:33:24 2021
Response via : Initial Calibration

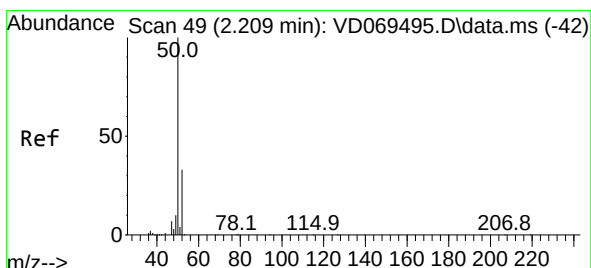
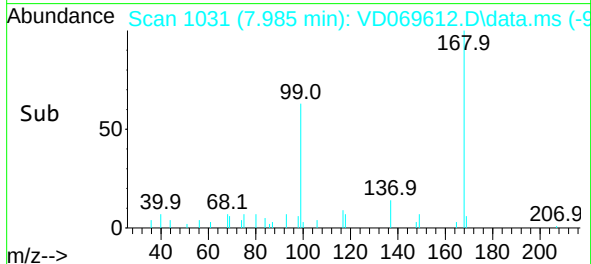
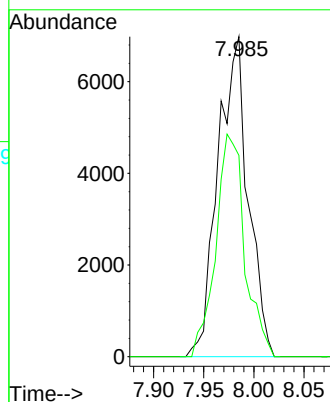
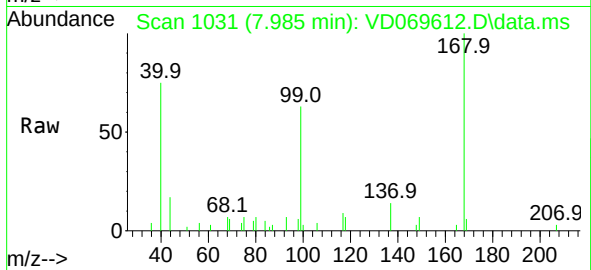




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD069612.D
Acq: 07 Jul 2021 17:02

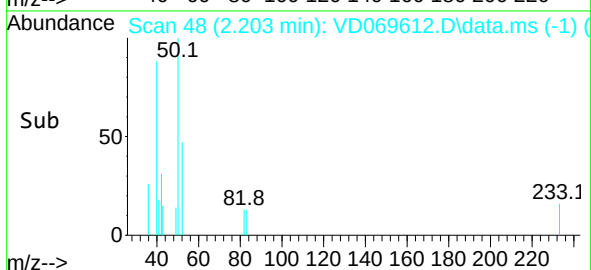
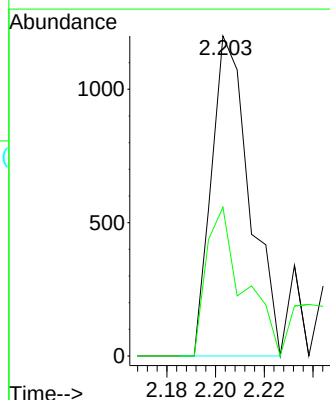
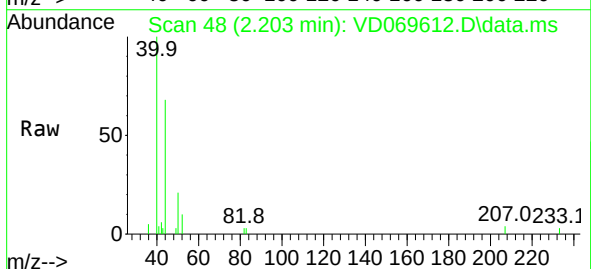
Instrument :
MSVOA_D
ClientSampleId :

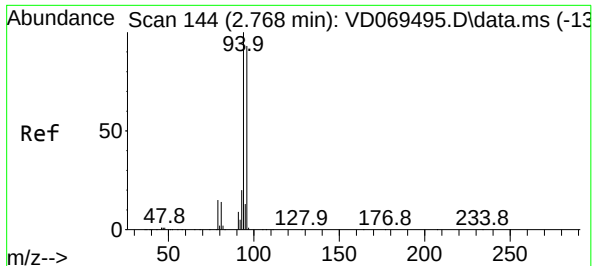
Tgt Ion:168 Resp: 14676
Ion Ratio Lower Upper
168 100
99 62.9 49.3 73.9



#3
Chloromethane
Concen: 6.333 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD069612.D
Acq: 07 Jul 2021 17:02

Tgt Ion: 50 Resp: 1304
Ion Ratio Lower Upper
50 100
52 46.5 26.3 39.5#

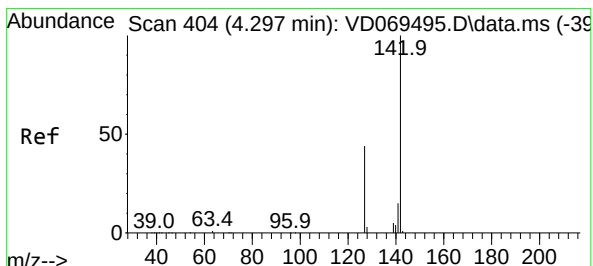
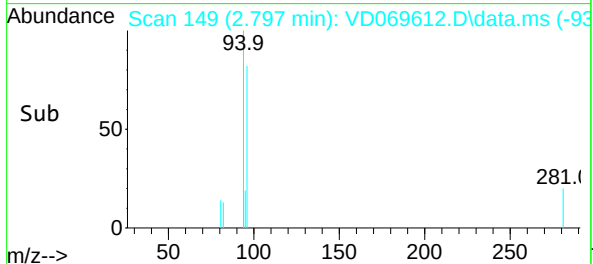
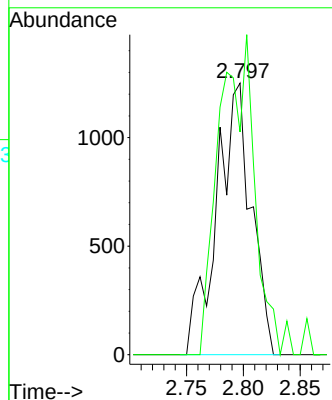
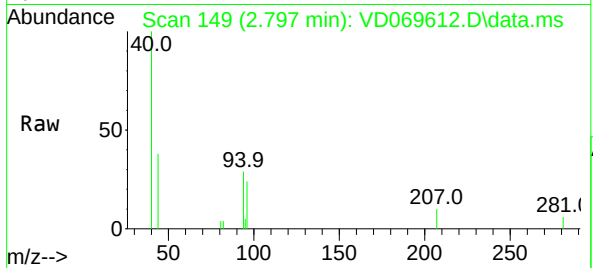




#5
Bromomethane
Concen: 17.976 ug/l
RT: 2.797 min Scan# 149
Delta R.T. 0.029 min
Lab File: VD069612.D
Acq: 07 Jul 2021 17:02

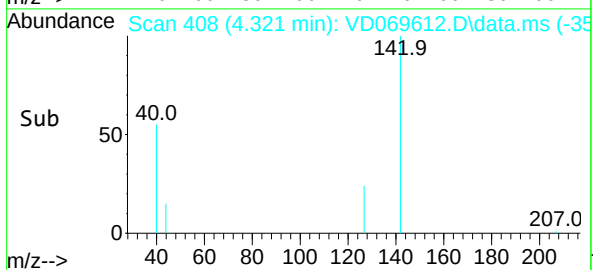
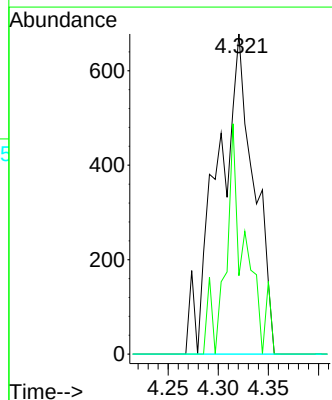
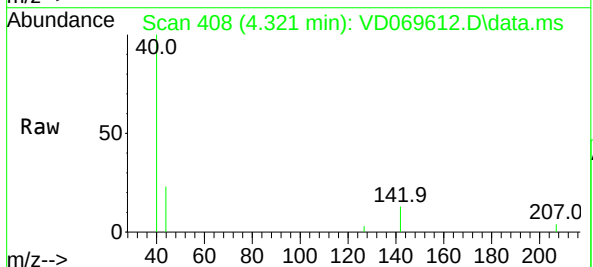
Instrument :
MSVOA_D
ClientSampleId :

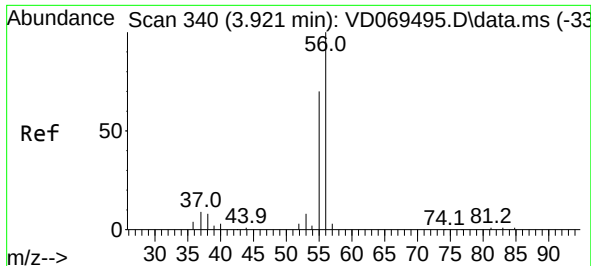
Tgt Ion: 94 Resp: 2647
Ion Ratio Lower Upper
94 100
96 82.0 74.6 111.8



#10
Methyl Iodide
Concen: 14.185 ug/l
RT: 4.321 min Scan# 408
Delta R.T. 0.024 min
Lab File: VD069612.D
Acq: 07 Jul 2021 17:02

Tgt Ion:142 Resp: 1709
Ion Ratio Lower Upper
142 100
127 39.3 36.5 54.7
141 0.0 12.0 18.0#

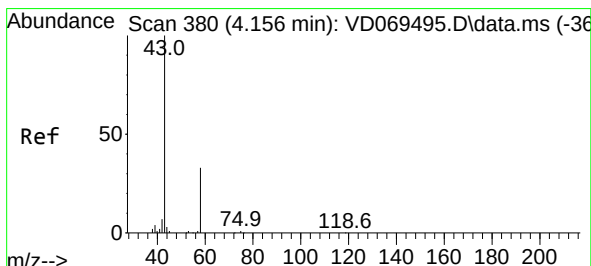
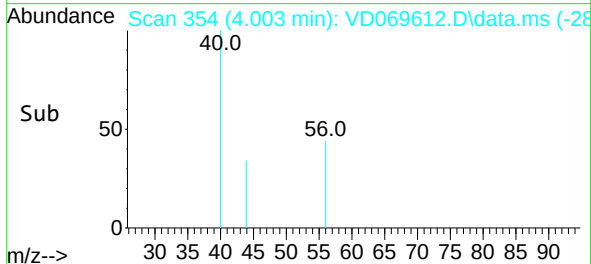
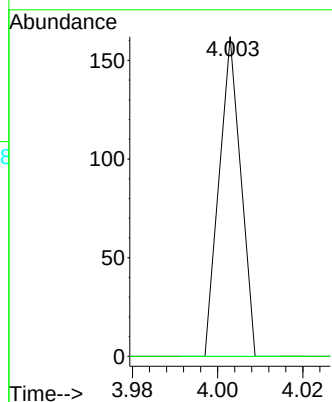
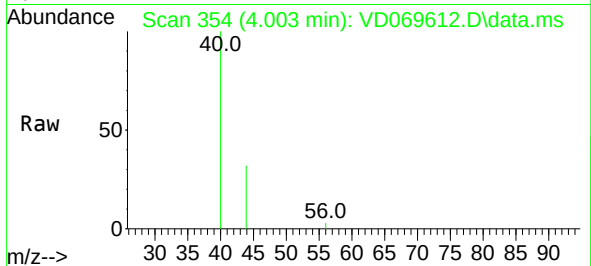




#13
Acrolein
Concen: 5.598 ug/l
RT: 4.003 min Scan# 354
Delta R.T. 0.082 min
Lab File: VD069612.D
Acq: 07 Jul 2021 17:02

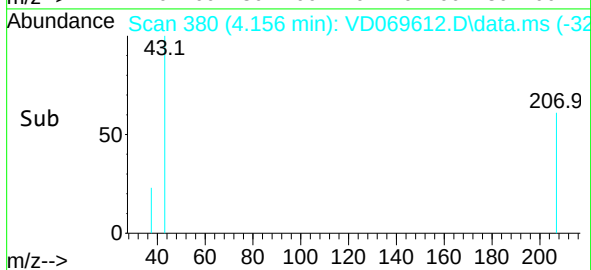
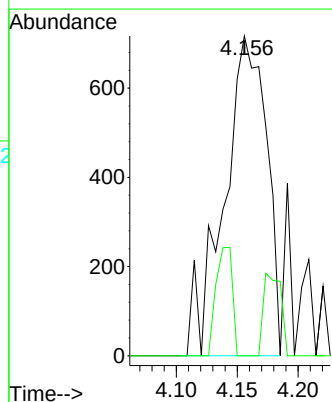
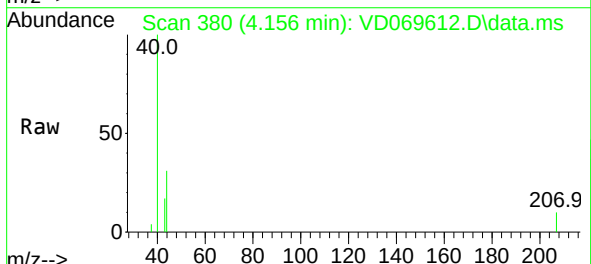
Instrument :
MSVOA_D
ClientSampleId :

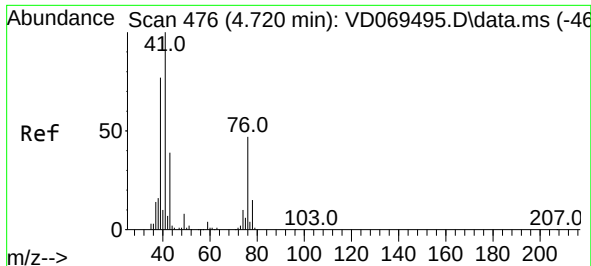
Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#



#16
Acetone
Concen: 56.738 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD069612.D
Acq: 07 Jul 2021 17:02

Tgt Ion: 43 Resp: 1747
Ion Ratio Lower Upper
43 100
58 0.0 26.8 40.2#

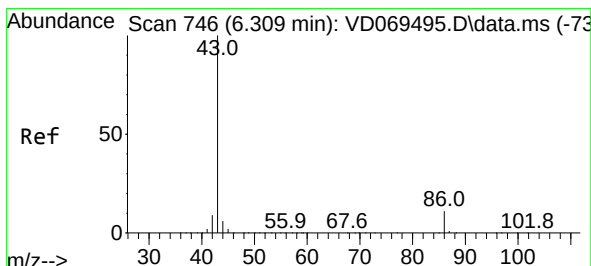
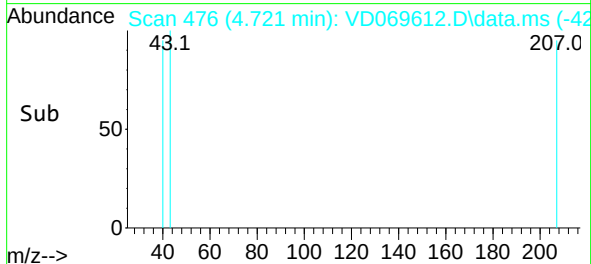
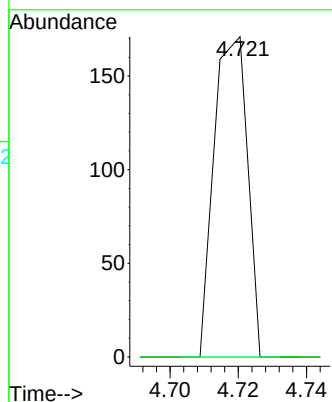
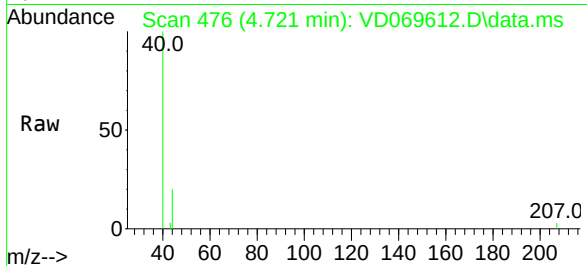




#18
Methyl Acetate
Concen: Below Cal
RT: 4.721 min Scan# 476
Delta R.T. 0.001 min
Lab File: VD069612.D
Acq: 07 Jul 2021 17:02

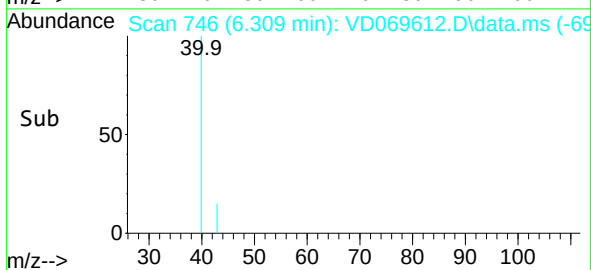
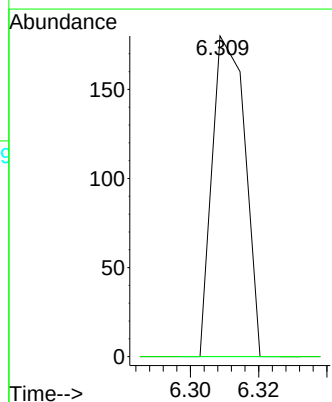
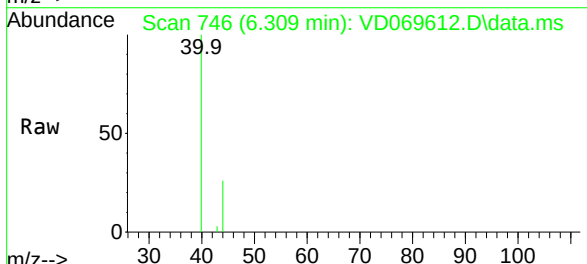
Instrument :
MSVOA_D
ClientSampleId :

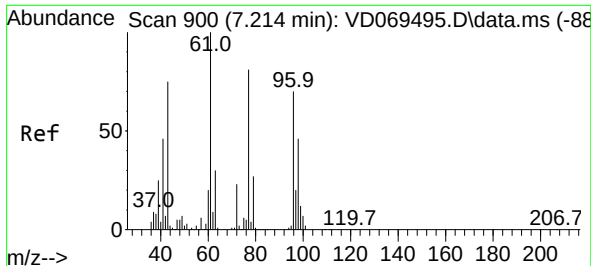
Tgt Ion: 43 Resp: 116
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



#23
Vinyl Acetate
Concen: 19.436 ug/l
RT: 6.309 min Scan# 746
Delta R.T. -0.000 min
Lab File: VD069612.D
Acq: 07 Jul 2021 17:02

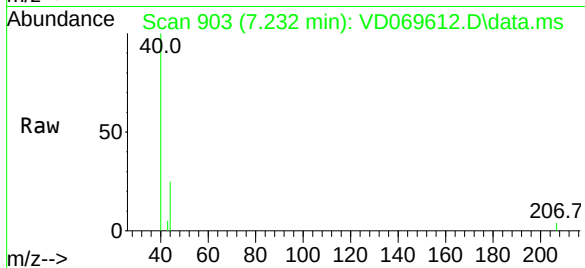
Tgt Ion: 43 Resp: 120
Ion Ratio Lower Upper
43 100
86 0.0 9.1 13.7#



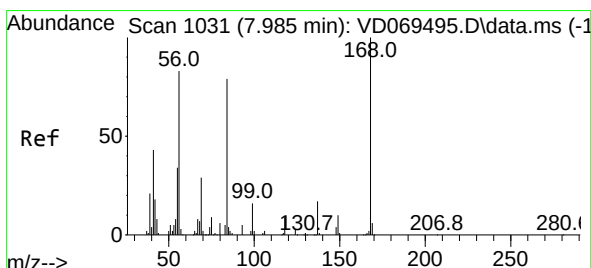
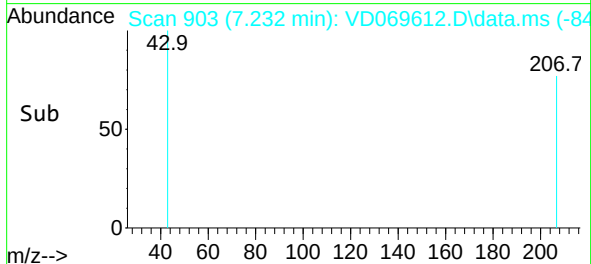
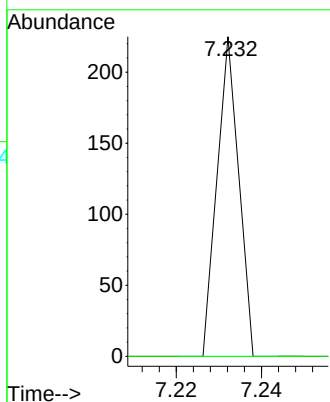


#25
2-Butanone
Concen: 2.019 ug/l
RT: 7.232 min Scan# 903
Delta R.T. 0.018 min
Lab File: VD069612.D
Acq: 07 Jul 2021 17:02

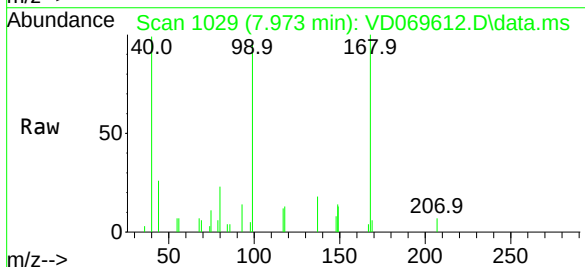
Instrument :
MSVOA_D
ClientSampleId :



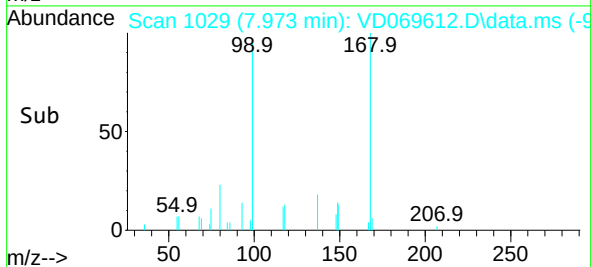
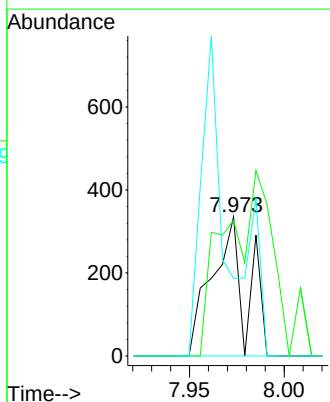
Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
72 0.0 24.3 36.5#

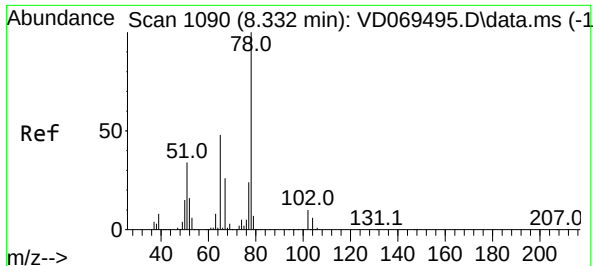


#31
Cyclohexane
Concen: 1.717 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069612.D
Acq: 07 Jul 2021 17:02



Tgt Ion: 56 Resp: 423
Ion Ratio Lower Upper
56 100
69 97.6 28.0 42.0#
84 55.8 75.7 113.5#



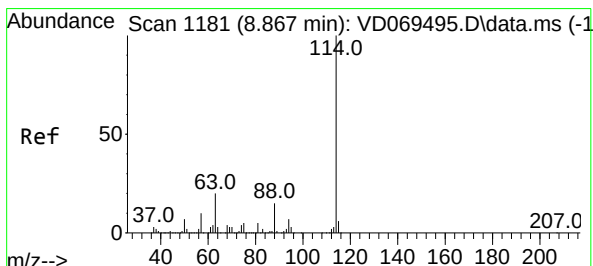
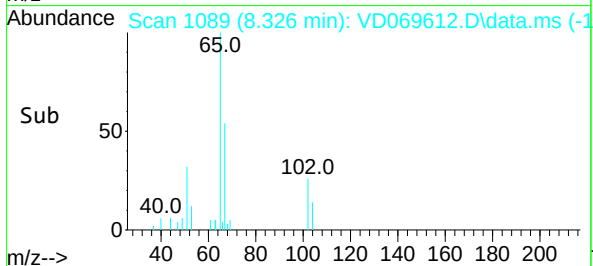
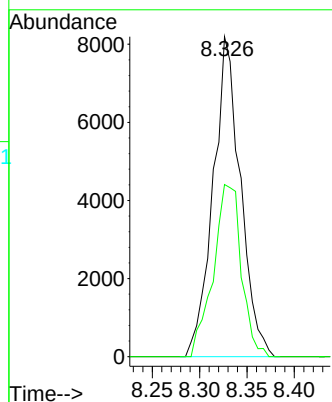
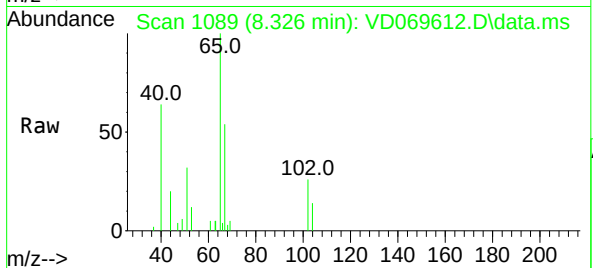


#33

1,2-Dichloroethane-d4
Concen: 89.819 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069612.D
Acq: 07 Jul 2021 17:02

Instrument :
MSVOA_D
ClientSampleId :

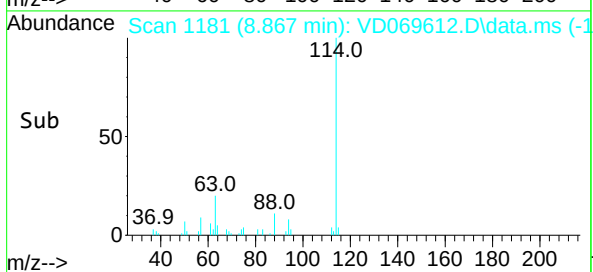
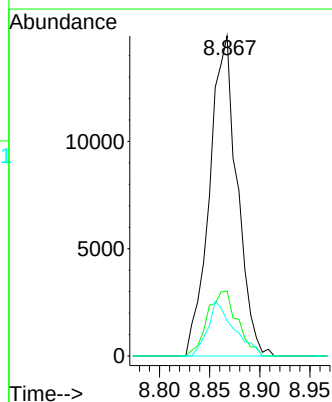
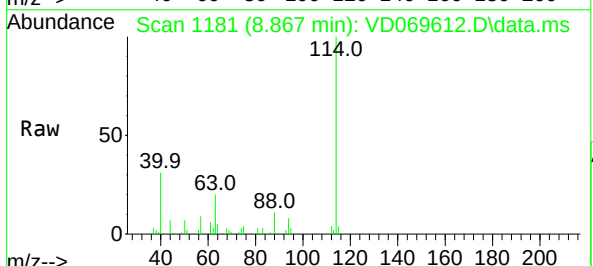
Tgt Ion: 65 Resp: 16431
Ion Ratio Lower Upper
65 100
67 55.3 0.0 105.6

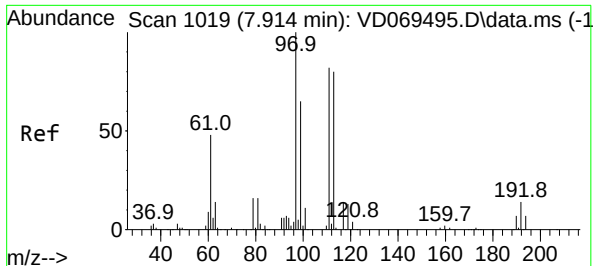


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069612.D
Acq: 07 Jul 2021 17:02

Tgt Ion: 114 Resp: 28611
Ion Ratio Lower Upper
114 100
63 20.2 0.0 39.6
88 11.0 0.0 29.8

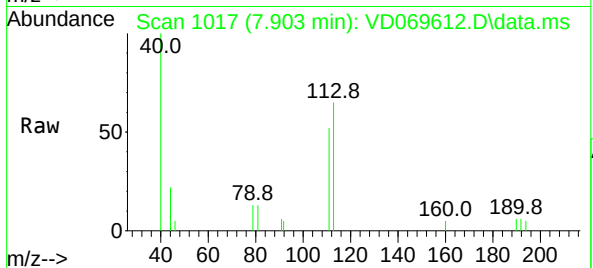




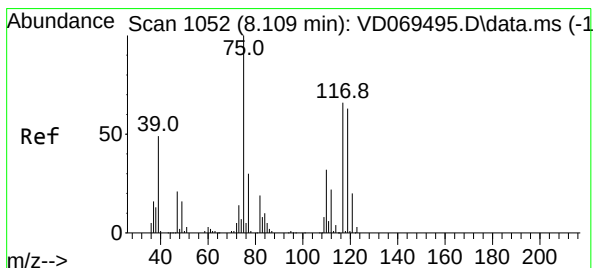
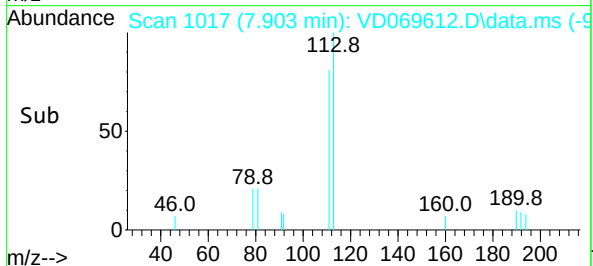
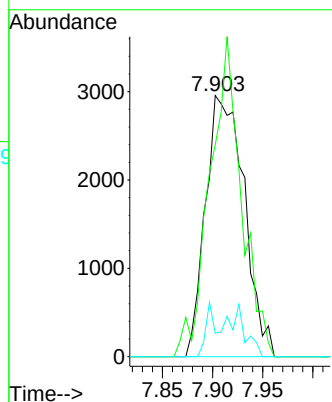
#35

Dibromofluoromethane
Concen: 40.878 ug/l
RT: 7.903 min Scan# 1017
Delta R.T. -0.012 min
Lab File: VD069612.D
Acq: 07 Jul 2021 17:02

Instrument :
MSVOA_D
ClientSampleId :



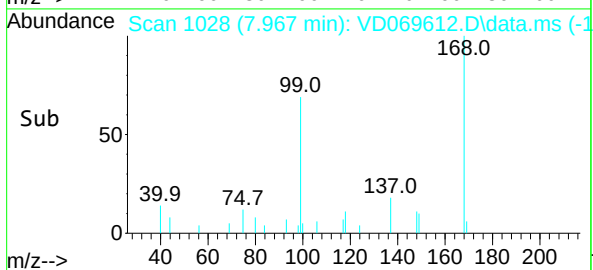
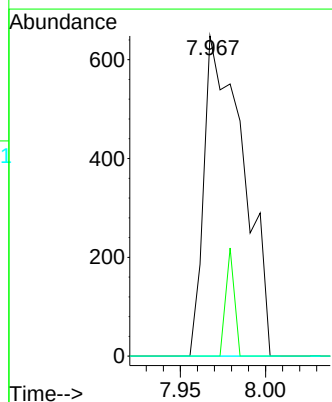
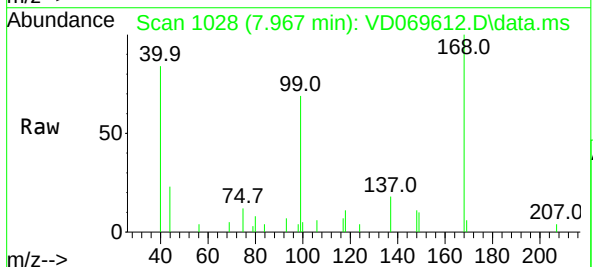
Tgt Ion:	113	Resp:	7906
Ion	Ratio	Lower	Upper
113	100		
111	0.0	81.8	122.8#
192	5.9	13.8	20.6#

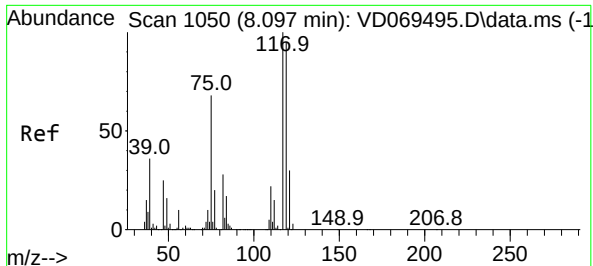


#36

1,1-Dichloropropene
Concen: 3.693 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD069612.D
Acq: 07 Jul 2021 17:02

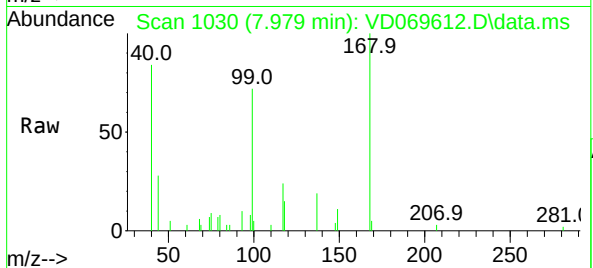
Tgt Ion:	75	Resp:	1037
Ion	Ratio	Lower	Upper
75	100		
110	7.4	16.8	50.4#
77	0.0	24.3	36.5#



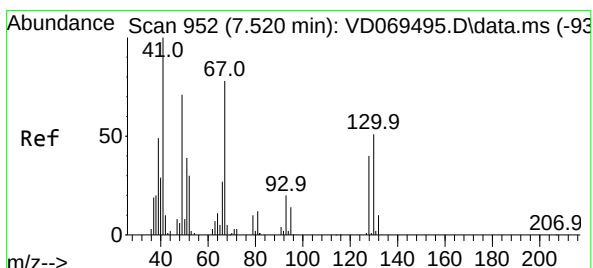
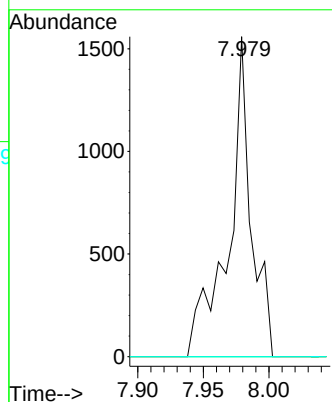
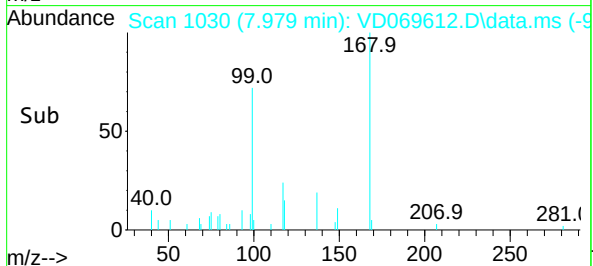


#38
Carbon Tetrachloride
Concen: 6.747 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069612.D
Acq: 07 Jul 2021 17:02

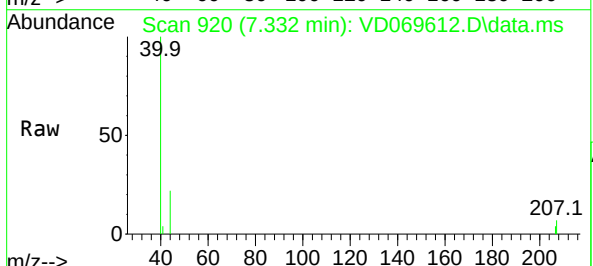
Instrument :
MSVOA_D
ClientSampleId :



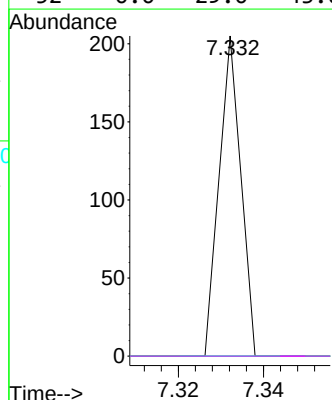
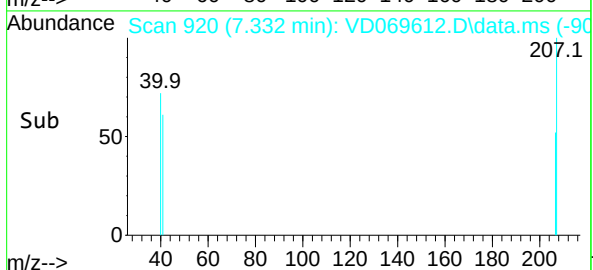
Tgt Ion: 117 Resp: 1875
Ion Ratio Lower Upper
117 100
119 0.0 75.6 113.4#
121 0.0 23.8 35.8#

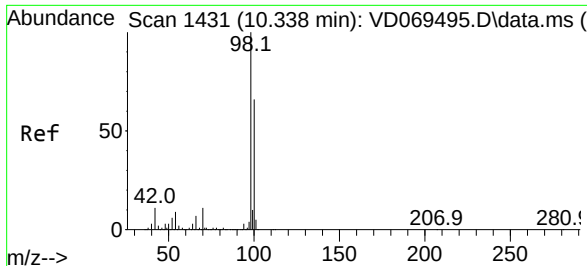


#41
Methacrylonitrile
Concen: 1.187 ug/l
RT: 7.332 min Scan# 920
Delta R.T. -0.188 min
Lab File: VD069612.D
Acq: 07 Jul 2021 17:02



Tgt Ion: 41 Resp: 72
Ion Ratio Lower Upper
41 100
39 0.0 41.7 62.5#
67 0.0 71.8 107.6#
52 0.0 29.0 43.6#

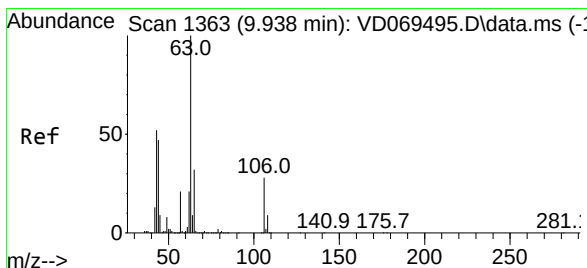
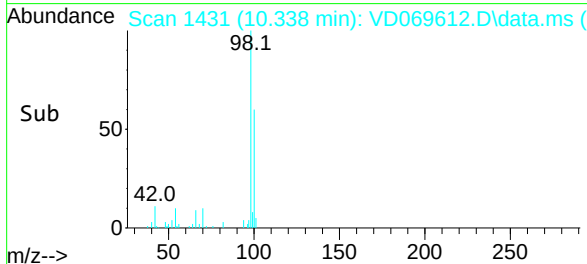
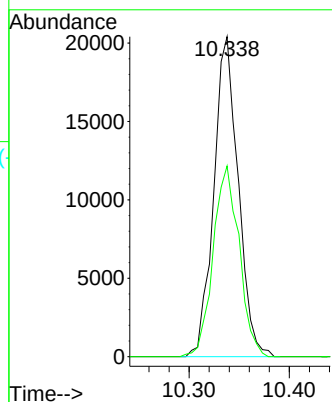
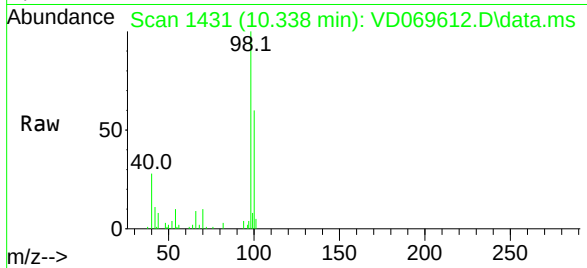




#50
Toluene-d8
Concen: 47.529 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069612.D
Acq: 07 Jul 2021 17:02

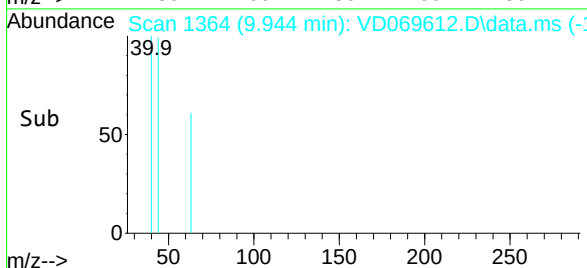
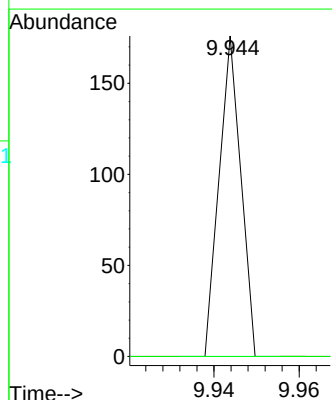
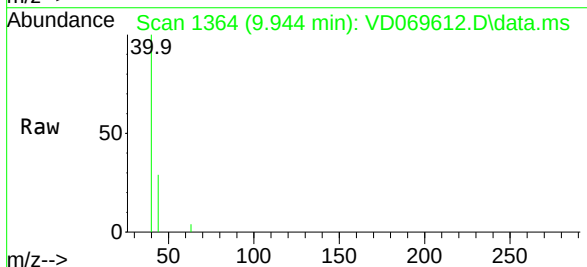
Instrument :
MSVOA_D
ClientSampleId :

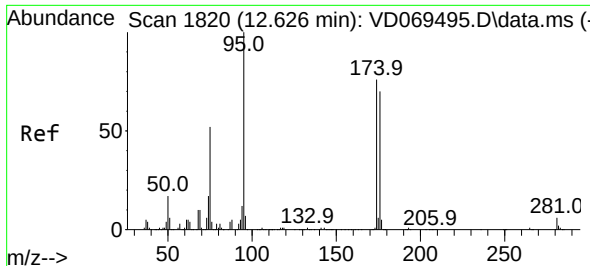
Tgt Ion: 98 Resp: 34480
Ion Ratio Lower Upper
98 100
100 63.5 52.3 78.5



#58
2-Chloroethyl Vinyl ether
Concen: 11.228 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VD069612.D
Acq: 07 Jul 2021 17:02

Tgt Ion: 63 Resp: 62
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#

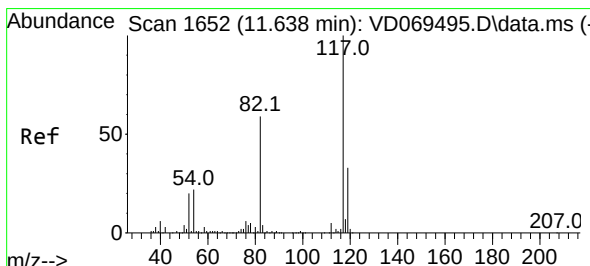
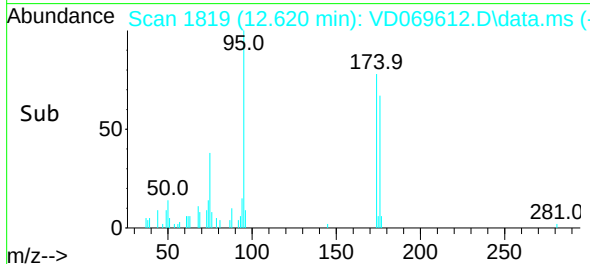
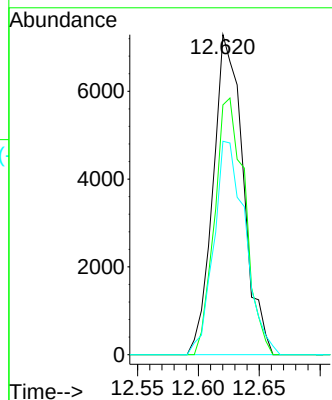
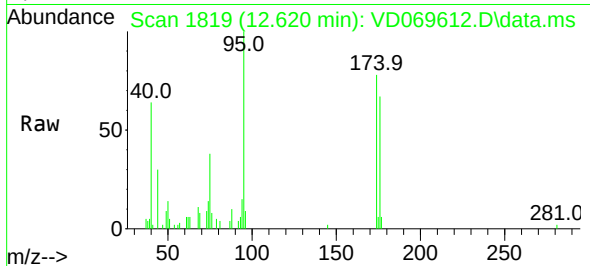




#62
4-Bromofluorobenzene
Concen: 52.471 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD069612.D
Acq: 07 Jul 2021 17:02

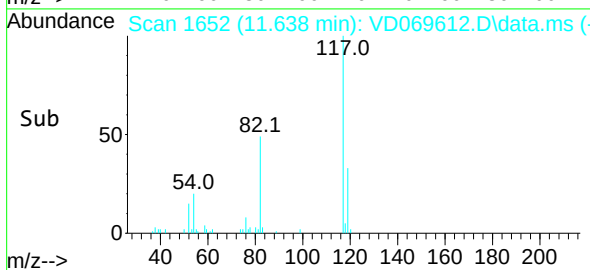
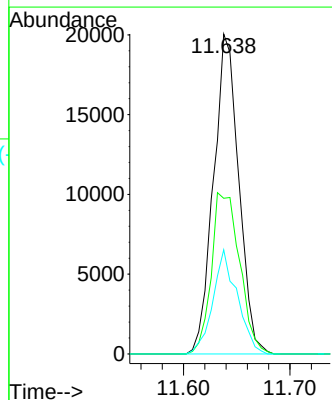
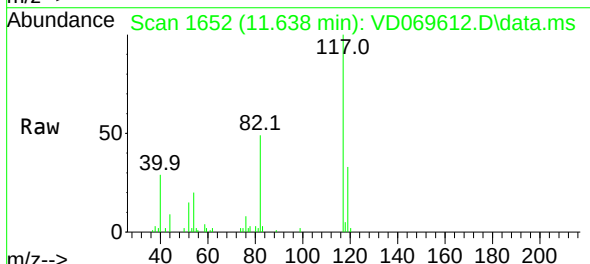
Instrument :
MSVOA_D
ClientSampleId :

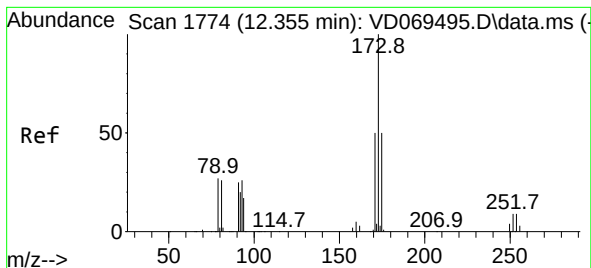
Tgt Ion:	95	Resp:	12514
Ion Ratio	Lower	Upper	
95	100		
174	80.6	0.0	148.0
176	70.1	0.0	139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069612.D
Acq: 07 Jul 2021 17:02

Tgt Ion:	117	Resp:	33029
Ion Ratio	Lower	Upper	
117	100		
82	48.6	46.8	70.2
119	32.5	26.2	39.2





#71

Bromoform

Concen: 1.264 ug/l

RT: 12.626 min Scan# 1820

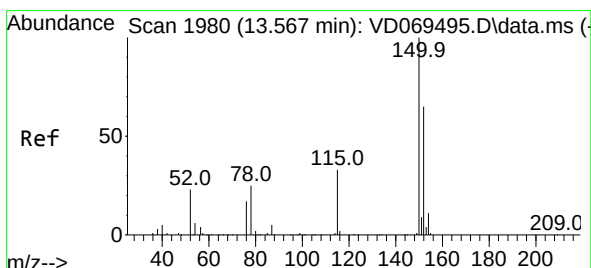
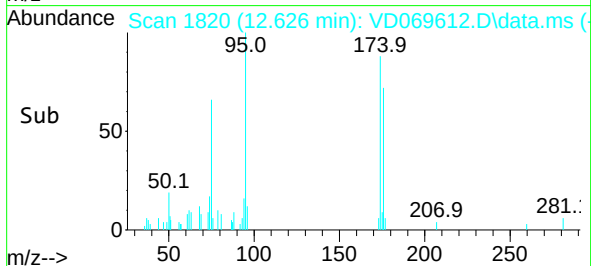
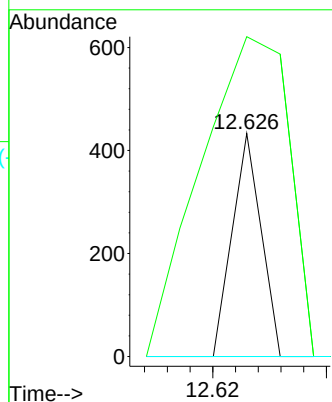
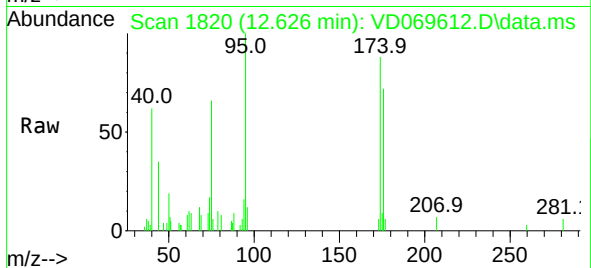
Delta R.T. 0.271 min

Lab File: VD069612.D

Acq: 07 Jul 2021 17:02

Tgt Ion:	173	Resp:	153
Ion	Ratio	Lower	Upper
173	100		
175	438.6	24.6	73.8#
254	0.0	0.1	0.1#

Instrument :
MSVOA_D
ClientSampleId :



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

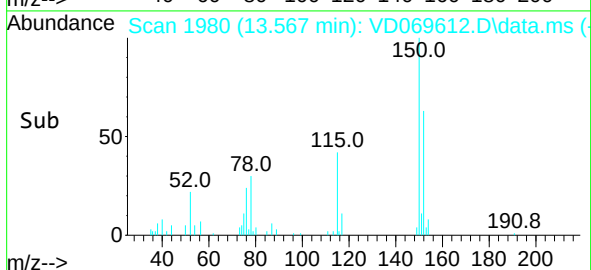
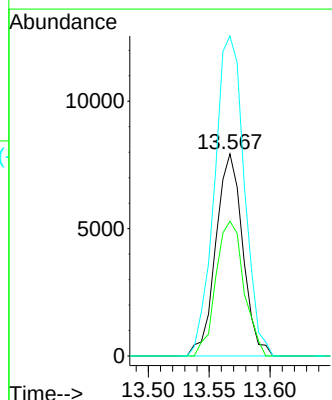
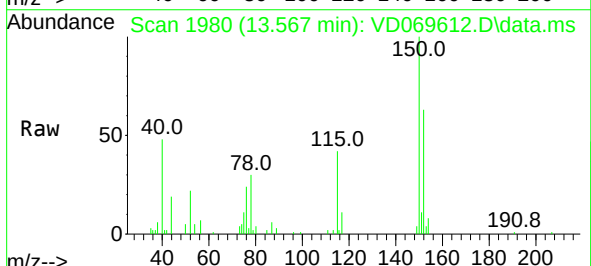
RT: 13.567 min Scan# 1980

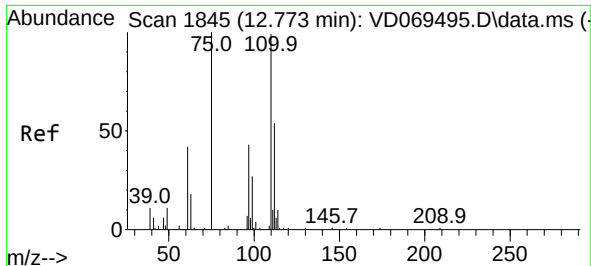
Delta R.T. 0.000 min

Lab File: VD069612.D

Acq: 07 Jul 2021 17:02

Tgt Ion:	152	Resp:	12229
Ion	Ratio	Lower	Upper
152	100		
115	69.1	31.7	95.1
150	174.8	0.0	350.8

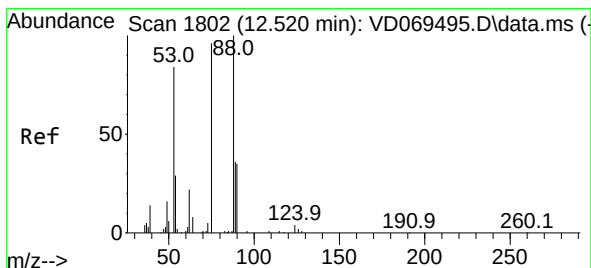
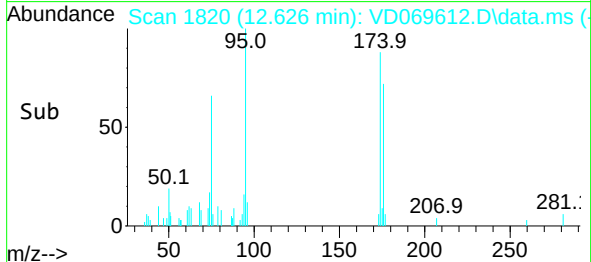
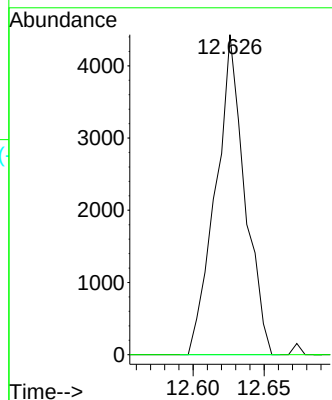
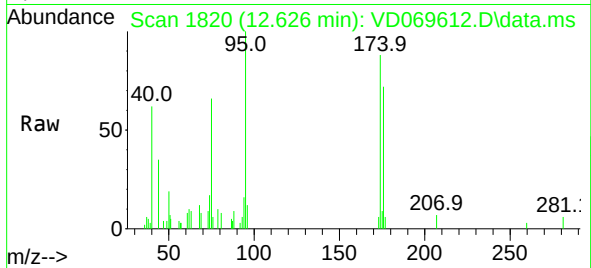




#76
1,2,3-Trichloropropane
Concen: 52.631 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069612.D
Acq: 07 Jul 2021 17:02

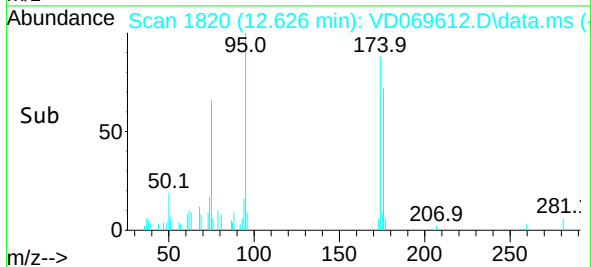
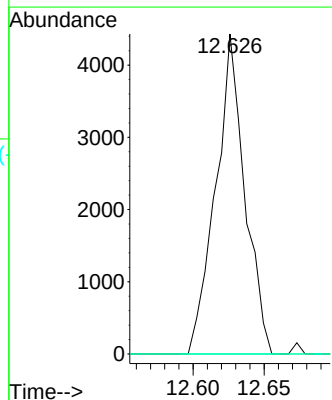
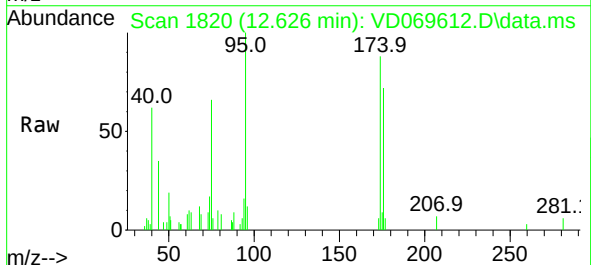
Instrument :
MSVOA_D
ClientSampleId :

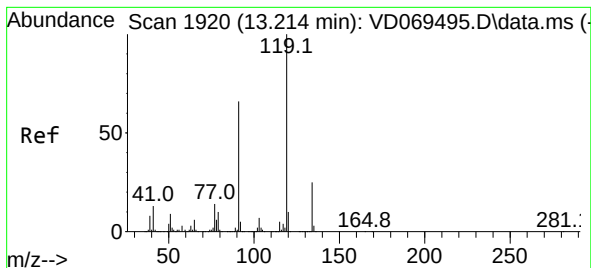
Tgt Ion: 75 Resp: 6318
Ion Ratio Lower Upper
75 100
77 0.0 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.412 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069612.D
Acq: 07 Jul 2021 17:02

Tgt Ion: 75 Resp: 6318
Ion Ratio Lower Upper
75 100
53 0.0 74.6 112.0#
89 0.0 35.3 52.9#

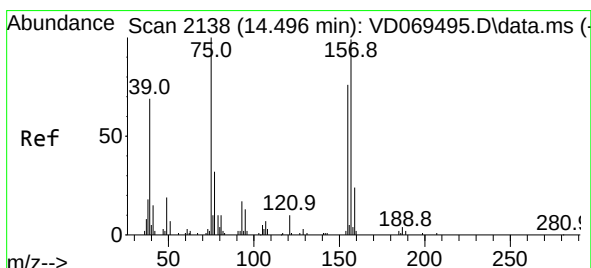
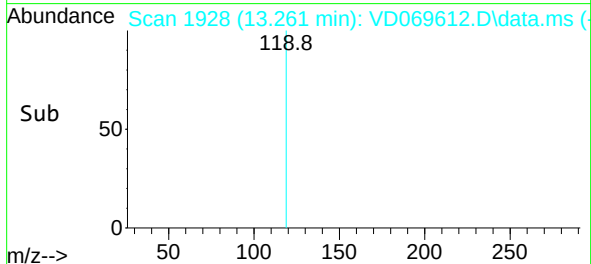
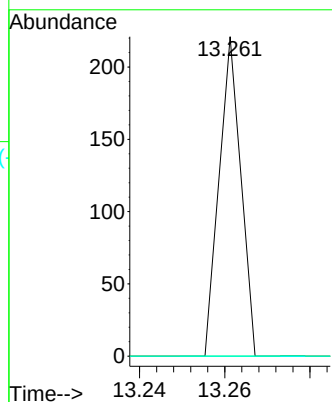
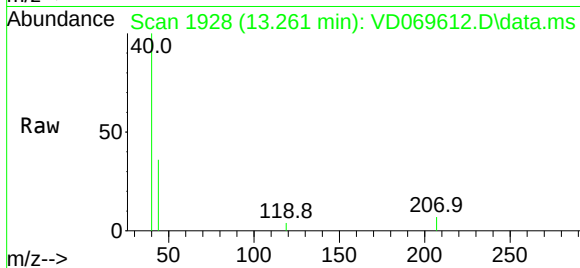




#83
tert-Butylbenzene
Concen: 2.110 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.047 min
Lab File: VD069612.D
Acq: 07 Jul 2021 17:02

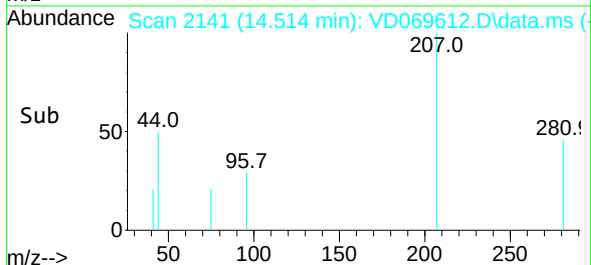
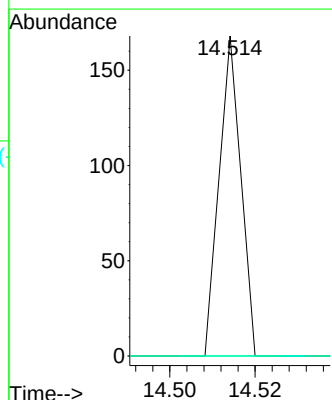
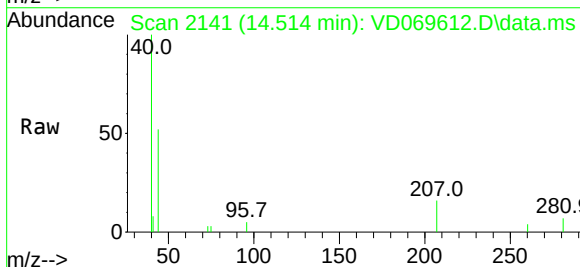
Instrument :
MSVOA_D
ClientSampleId :

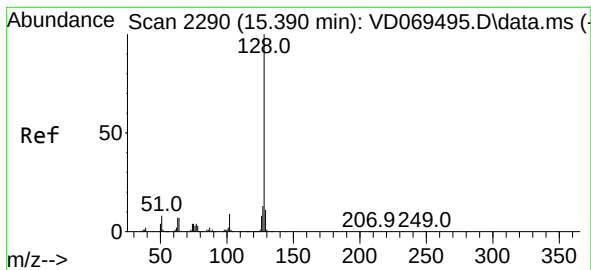
Tgt Ion:119 Resp: 78
Ion Ratio Lower Upper
119 100
91 0.0 32.5 97.4#
134 0.0 12.9 38.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.298 ug/l
RT: 14.514 min Scan# 2141
Delta R.T. 0.018 min
Lab File: VD069612.D
Acq: 07 Jul 2021 17:02

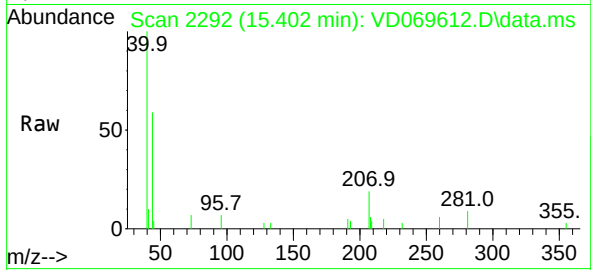
Tgt Ion: 75 Resp: 59
Ion Ratio Lower Upper
75 100
155 0.0 39.4 118.1#
157 0.0 51.2 153.6#





#95
Naphthalene
Concen: 3.491 ug/l
RT: 15.402 min Scan# 2292
Delta R.T. 0.012 min
Lab File: VD069612.D
Acq: 07 Jul 2021 17:02

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.7	13.1#

