

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080221\
 Data File : VD069949.D
 Acq On : 02 Aug 2021 11:51
 Operator : VA/SY
 Sample : M3253-01
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 03 02:55:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

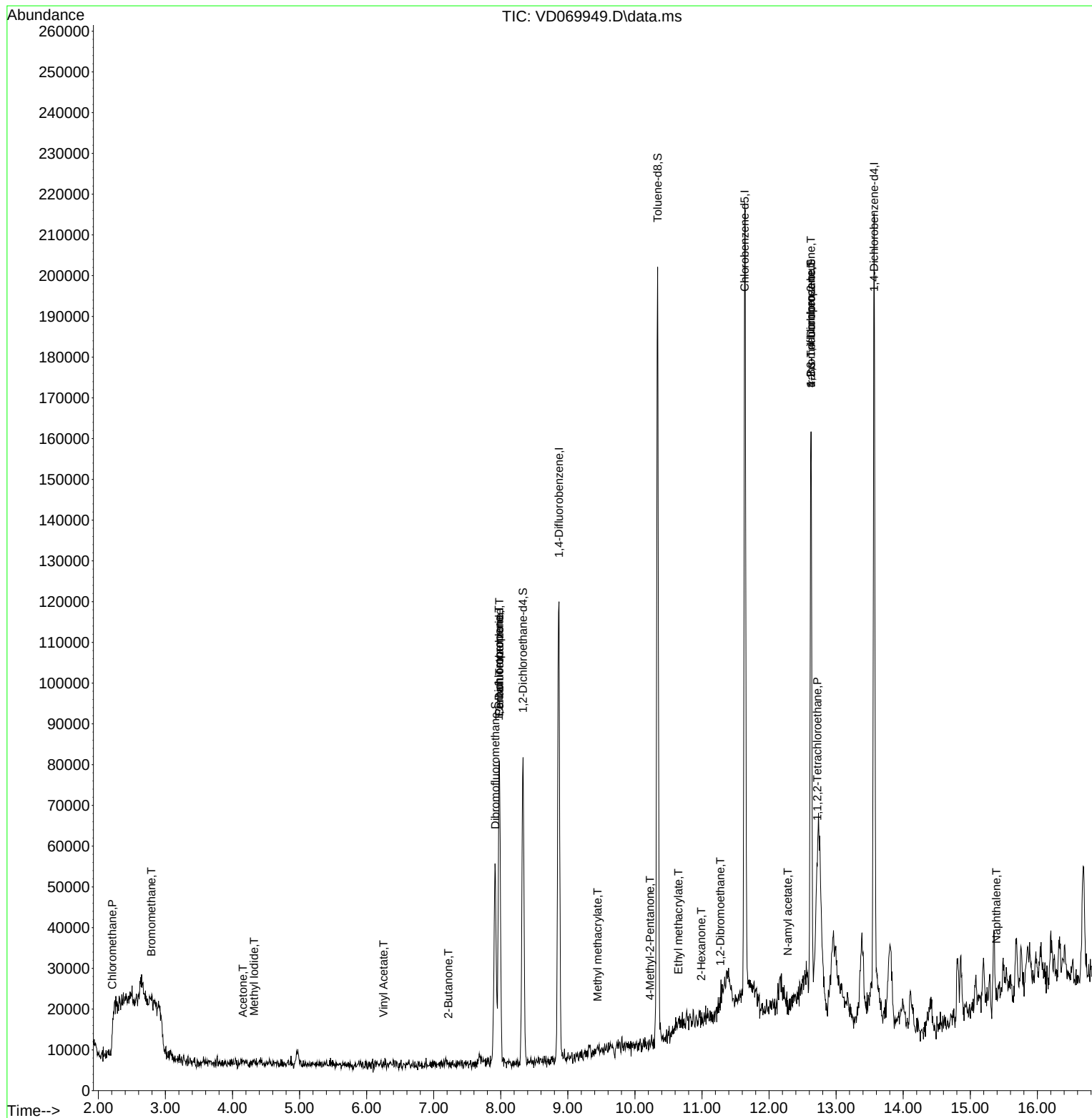
Internal Standards						
1) Pentafluorobenzene	7.979	168	53751	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	95766	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	117612	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	51658	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	58661	94.892	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 189.780%#	
35) Dibromofluoromethane	7.920	113	34956	57.902	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.800%	
50) Toluene-d8	10.338	98	128481	55.193	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.380%	
62) 4-Bromofluorobenzene	12.626	95	52762	67.819	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 135.640%	
Target Compounds						Qvalue
3) Chloromethane	2.209	50	1282	1.562	ug/l	94
5) Bromomethane	2.791	94	2993	4.123	ug/l #	60
10) Methyl Iodide	4.320	142	1523	5.584	ug/l #	80
16) Acetone	4.156	43	1176	10.531	ug/l #	38
20) Methylene Chloride	4.956	84	1573	Below Cal	#	72
23) Vinyl Acetate	6.250	43	96	20.431	ug/l #	71
25) 2-Butanone	7.220	43	272	1.796	ug/l #	46
36) 1,1-Dichloropropene	7.973	75	5347	5.174	ug/l #	48
38) Carbon Tetrachloride	7.979	117	6129	6.492	ug/l #	16
48) Methyl methacrylate	9.444	41	326	3.604	ug/l #	37
51) 4-Methyl-2-Pentanone	10.226	43	632	1.800	ug/l #	52
56) Ethyl methacrylate	10.649	69	149	4.099	ug/l #	1
59) 2-Hexanone	10.991	43	779	3.354	ug/l #	21
61) 1,2-Dibromoethane	11.273	107	582	1.184	ug/l	97
74) N-amyl acetate	12.279	43	950	1.244	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.720	83	5492	7.409	ug/l #	29
76) 1,2,3-Trichloropropane	12.626	75	25106	45.723	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	25106	138.712	ug/l #	17
95) Naphthalene	15.390	128	1372	5.730	ug/l #	84

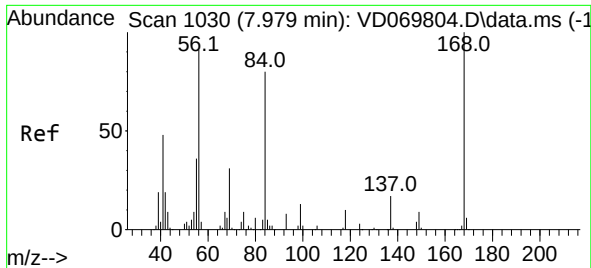
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
ClientSampled :

Quant Time: Aug 03 02:55:28 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 23 04:51:13 2021
Response via : Initial Calibration

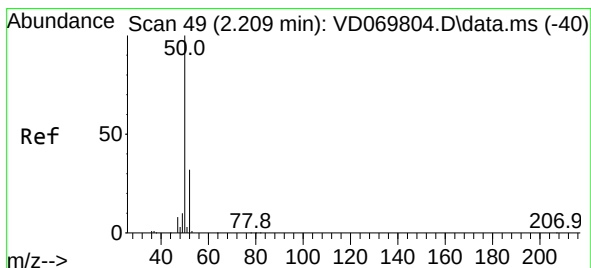
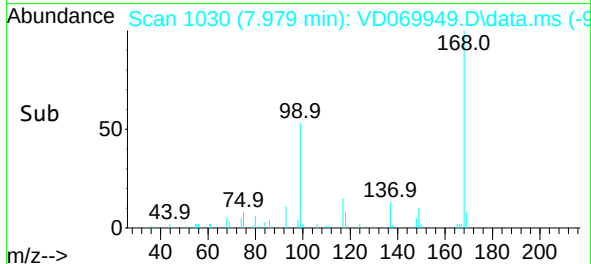
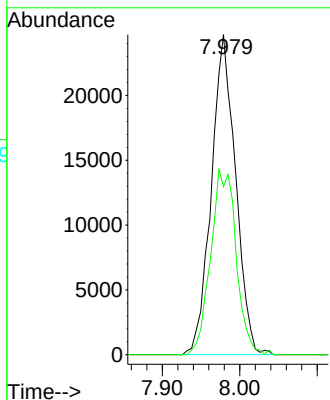
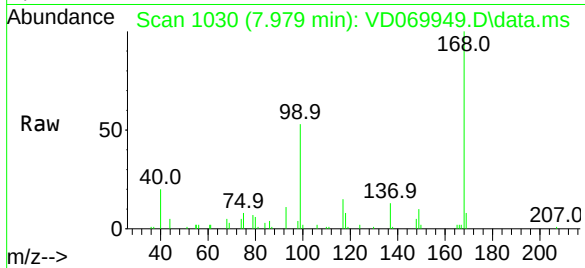




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069949.D
Acq: 02 Aug 2021 11:51

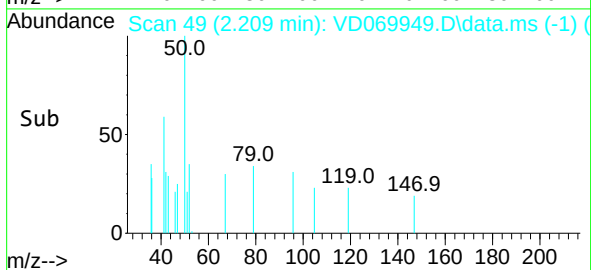
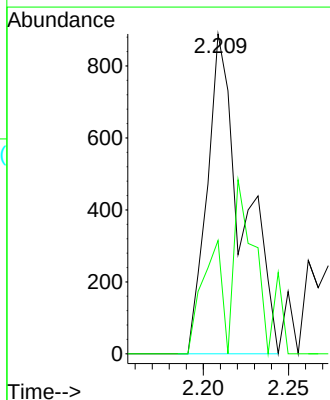
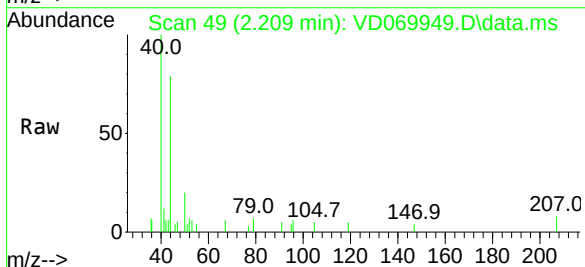
Instrument :
MSVOA_D
ClientSampled :

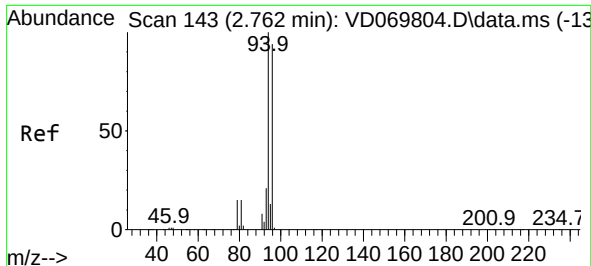
Tgt Ion:168 Resp: 53751
Ion Ratio Lower Upper
168 100
99 52.5 51.1 76.7



#3
Chloromethane
Concen: 1.562 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD069949.D
Acq: 02 Aug 2021 11:51

Tgt Ion: 50 Resp: 1282
Ion Ratio Lower Upper
50 100
52 35.4 25.7 38.5

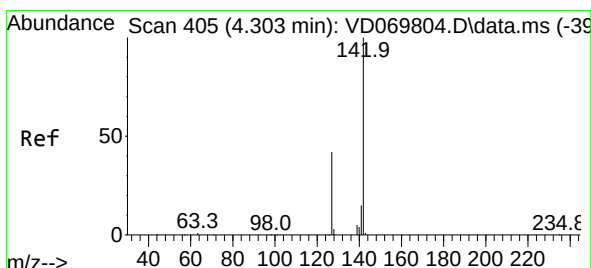
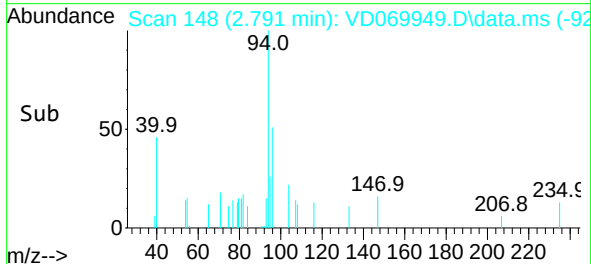
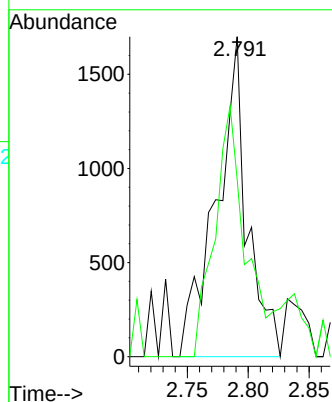
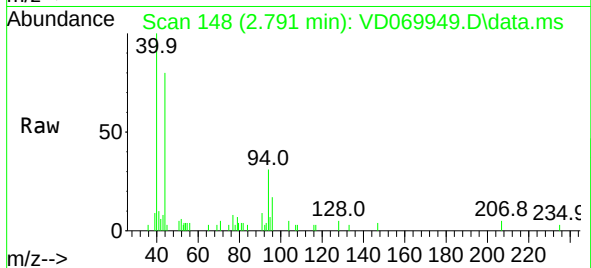




#5
Bromomethane
Concen: 4.123 ug/l
RT: 2.791 min Scan# 148
Delta R.T. 0.029 min
Lab File: VD069949.D
Acq: 02 Aug 2021 11:51

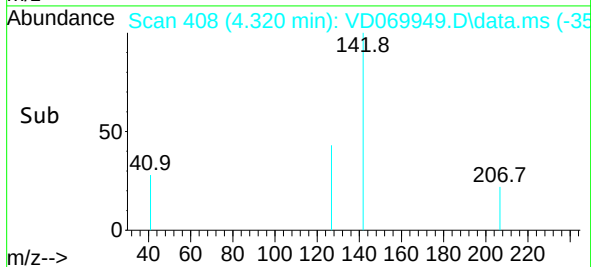
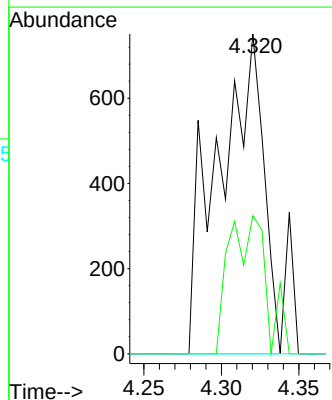
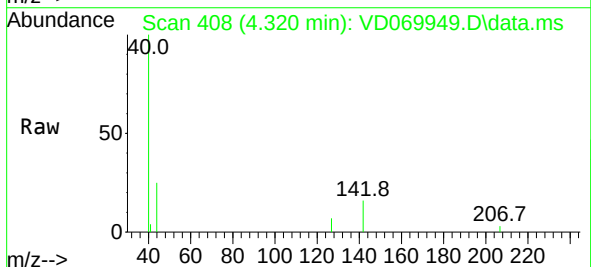
Instrument :
MSVOA_D
ClientSampleId :

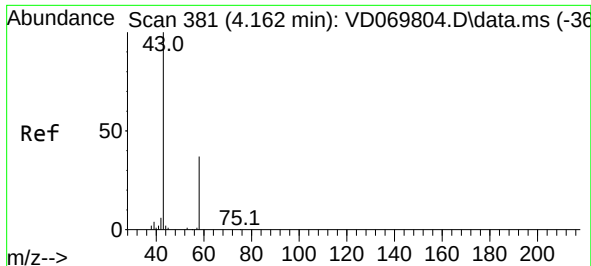
Tgt Ion: 94 Resp: 2993
Ion Ratio Lower Upper
94 100
96 55.5 74.8 112.2#



#10
Methyl Iodide
Concen: 5.584 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.017 min
Lab File: VD069949.D
Acq: 02 Aug 2021 11:51

Tgt Ion:142 Resp: 1523
Ion Ratio Lower Upper
142 100
127 35.5 35.7 53.5#
141 0.0 12.0 18.0#

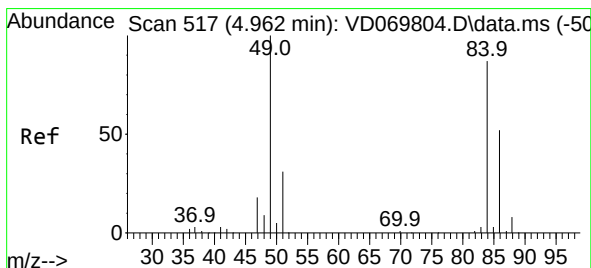
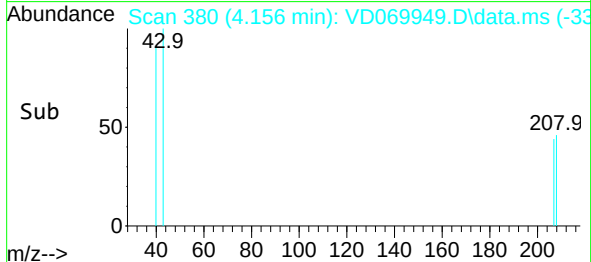
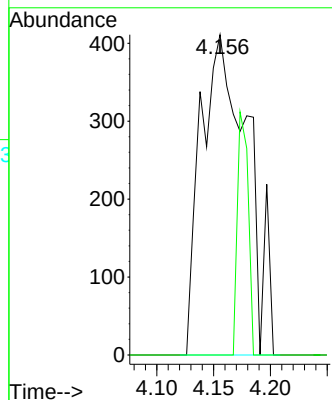
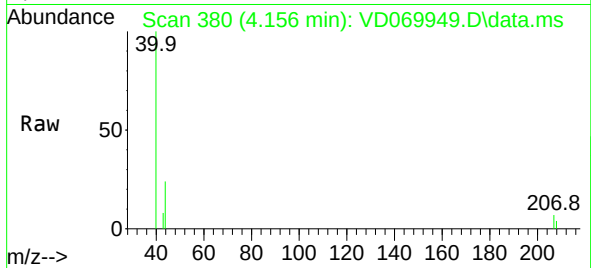




#16
Acetone
Concen: 10.531 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069949.D
Acq: 02 Aug 2021 11:51

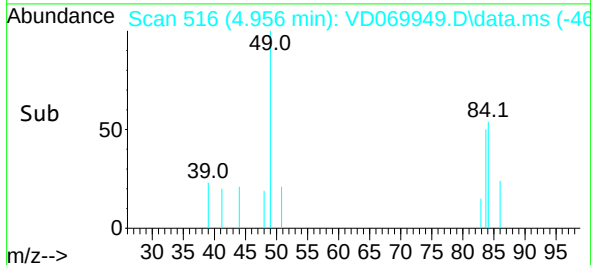
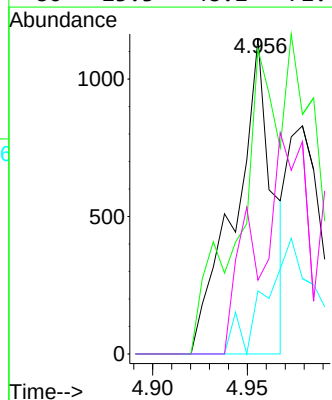
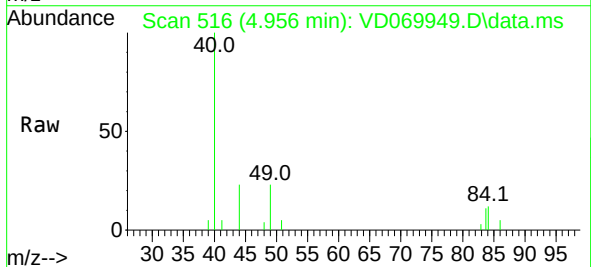
Instrument :
MSVOA_D
ClientSampleId :

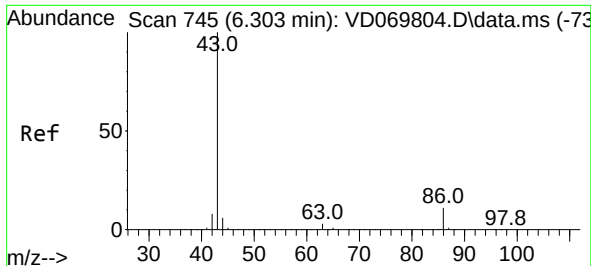
Tgt Ion: 43 Resp: 1176
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD069949.D
Acq: 02 Aug 2021 11:51

Tgt Ion: 84 Resp: 1573
Ion Ratio Lower Upper
84 100
49 96.4 92.4 138.6
51 19.9 28.5 42.7#
86 23.3 48.2 72.4#

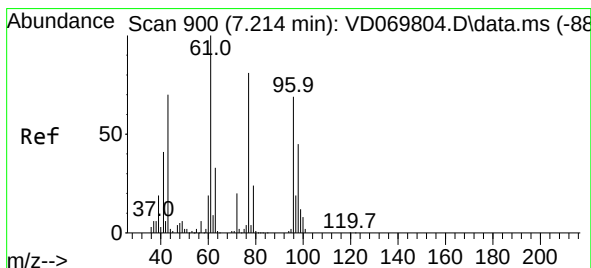
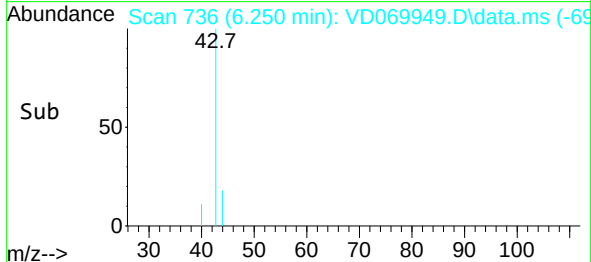
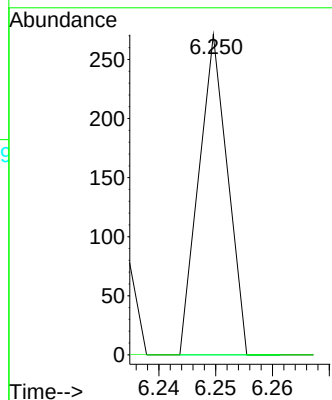
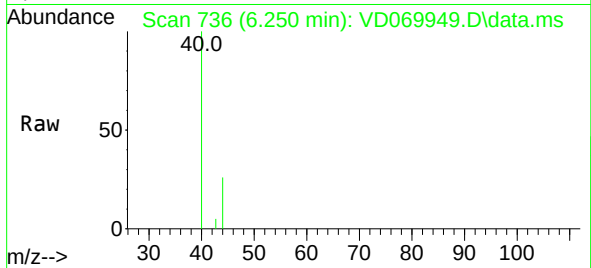




#23
 Vinyl Acetate
 Concen: 20.431 ug/l
 RT: 6.250 min Scan# 736
 Delta R.T. -0.053 min
 Lab File: VD069949.D
 Acq: 02 Aug 2021 11:51

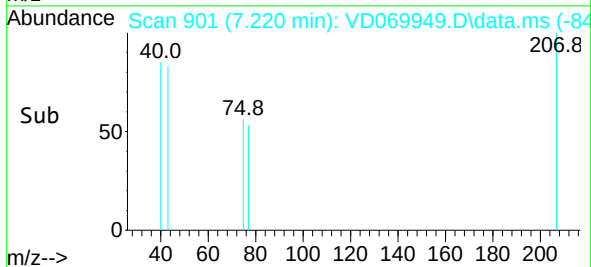
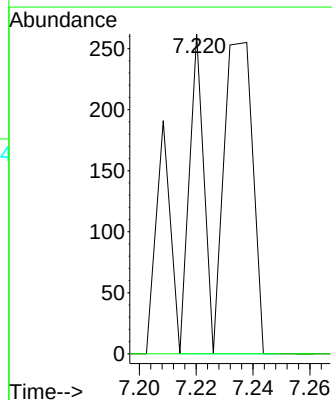
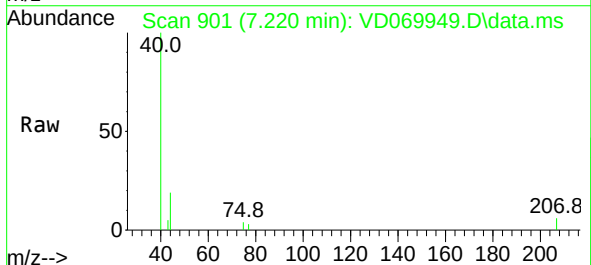
Instrument :
 MSVOA_D
 ClientSampleId :

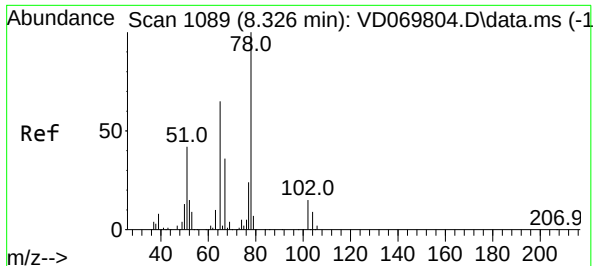
Tgt Ion: 43 Resp: 96
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 1.796 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.006 min
 Lab File: VD069949.D
 Acq: 02 Aug 2021 11:51

Tgt Ion: 43 Resp: 272
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.8 34.2#

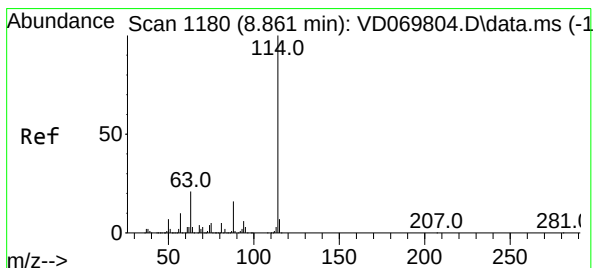
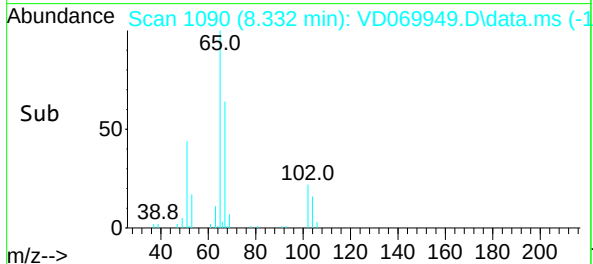
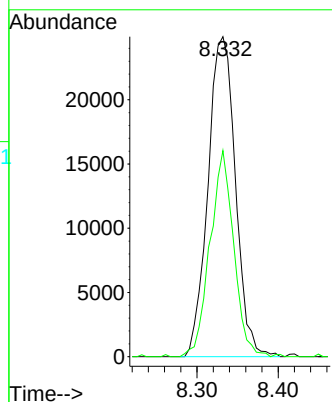
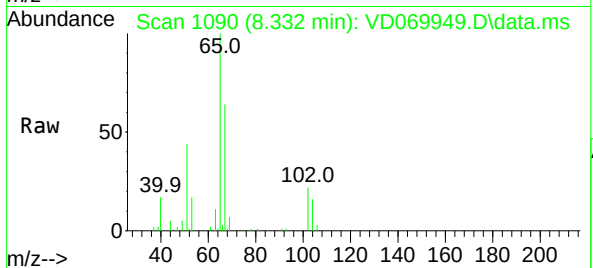




#33
1,2-Dichloroethane-d4
Concen: 94.892 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069949.D
Acq: 02 Aug 2021 11:51

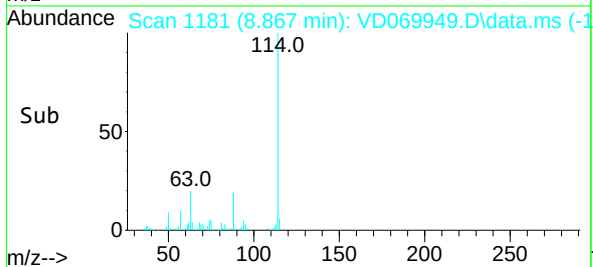
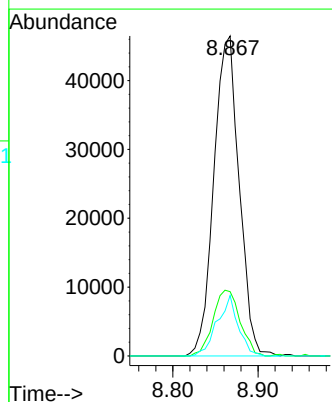
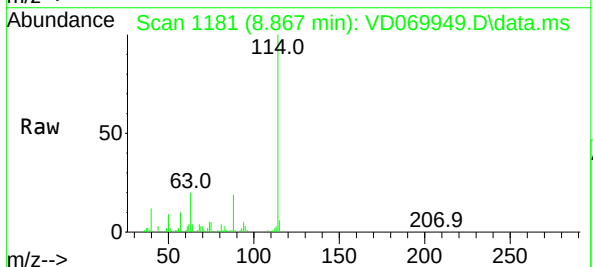
Instrument :
MSVOA_D
ClientSampleId :

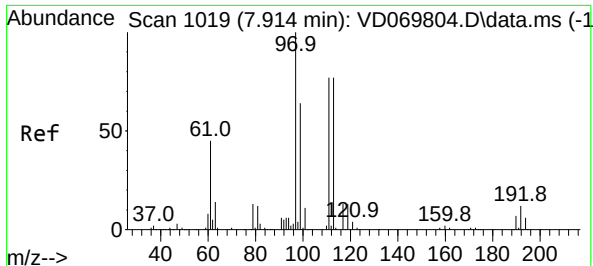
Tgt Ion: 65 Resp: 58661
Ion Ratio Lower Upper
65 100
67 55.6 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.006 min
Lab File: VD069949.D
Acq: 02 Aug 2021 11:51

Tgt Ion: 114 Resp: 95766
Ion Ratio Lower Upper
114 100
63 20.1 0.0 41.6
88 18.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 57.902 ug/l

RT: 7.920 min Scan# 1020

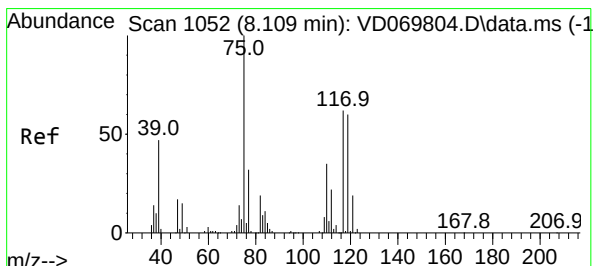
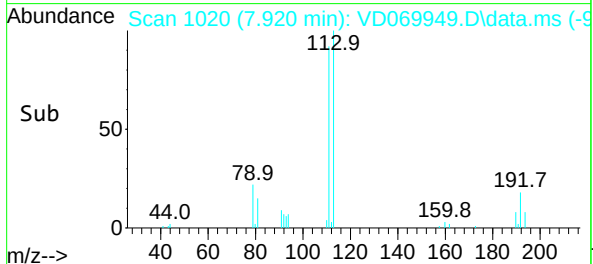
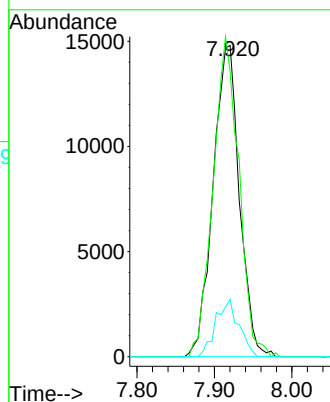
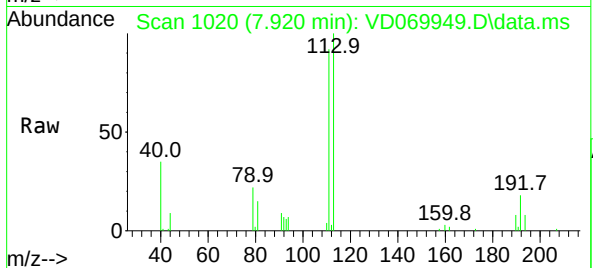
Delta R.T. 0.006 min

Lab File: VD069949.D

Acq: 02 Aug 2021 11:51

Tgt Ion:	113	Resp:	34956
Ion Ratio	Lower	Upper	
113	100		
111	100.6	80.5	120.7
192	16.1	12.6	19.0

Instrument :
MSVOA_D
ClientSampled :



#36

1,1-Dichloropropene

Concen: 5.174 ug/l

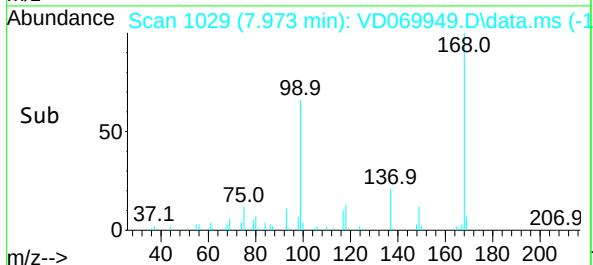
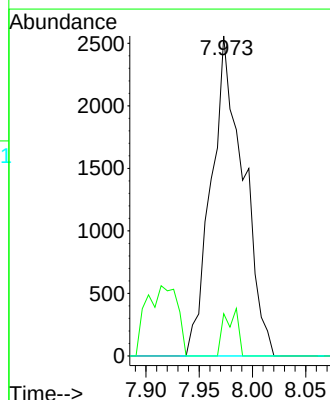
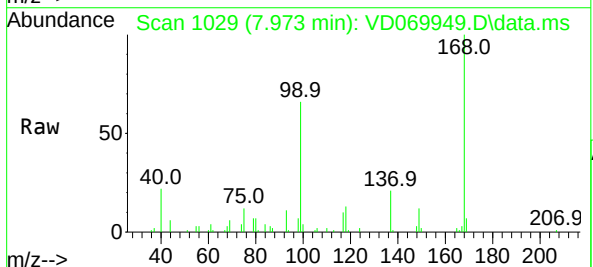
RT: 7.973 min Scan# 1029

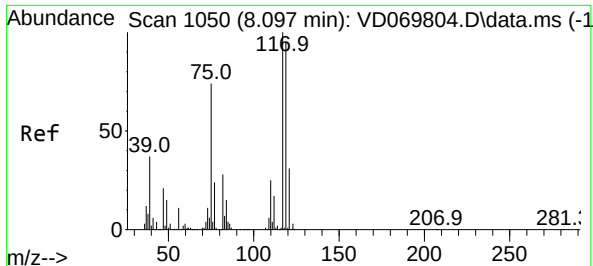
Delta R.T. -0.136 min

Lab File: VD069949.D

Acq: 02 Aug 2021 11:51

Tgt Ion:	75	Resp:	5347
Ion Ratio	Lower	Upper	
75	100		
110	6.2	16.9	50.7#
77	0.0	24.9	37.3#



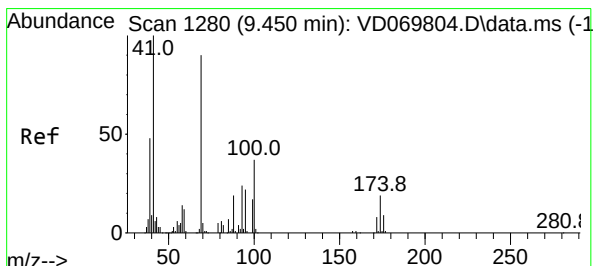
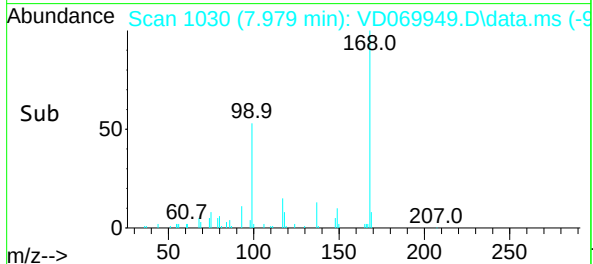
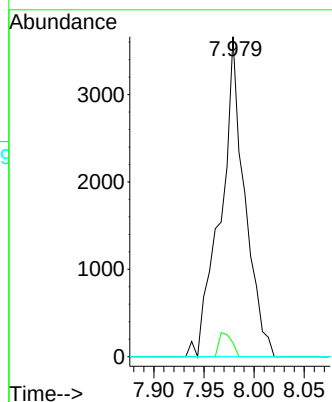
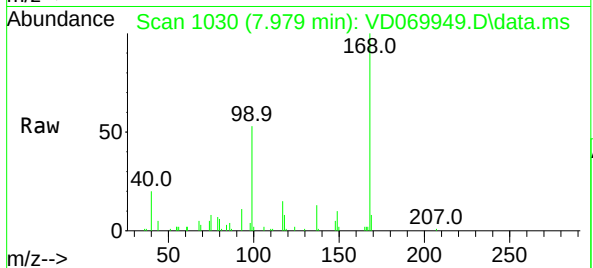


#38

Carbon Tetrachloride
Concen: 6.492 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069949.D
Acq: 02 Aug 2021 11:51

Instrument :
MSVOA_D
ClientSampleId :

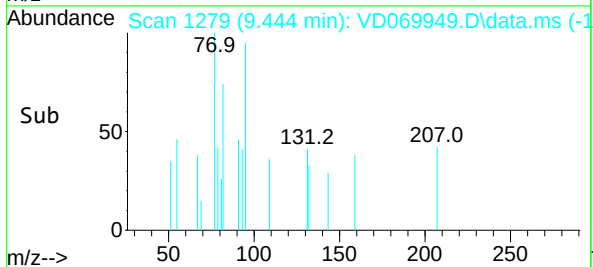
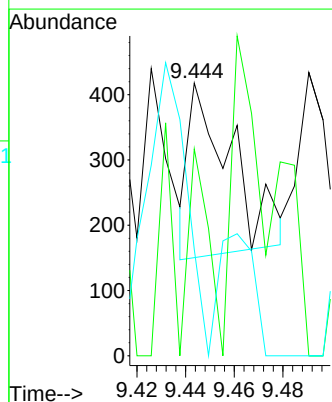
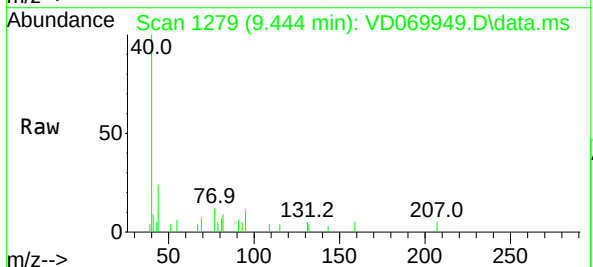
Tgt Ion:117 Resp: 6129
Ion Ratio Lower Upper
117 100
119 4.3 76.2 114.2#
121 0.0 24.5 36.7#

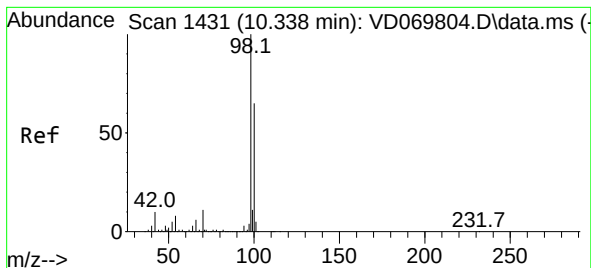


#48

Methyl methacrylate
Concen: 3.604 ug/l
RT: 9.444 min Scan# 1279
Delta R.T. -0.006 min
Lab File: VD069949.D
Acq: 02 Aug 2021 11:51

Tgt Ion: 41 Resp: 326
Ion Ratio Lower Upper
41 100
69 173.6 73.4 110.2#
39 56.7 36.6 55.0#

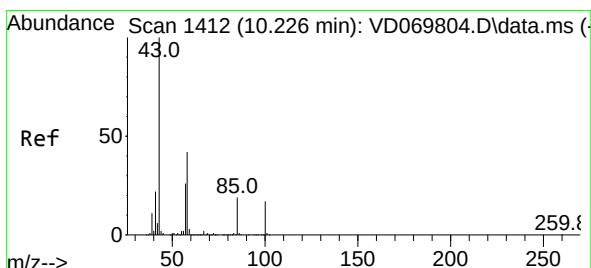
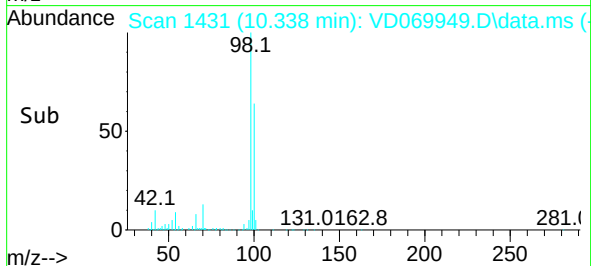
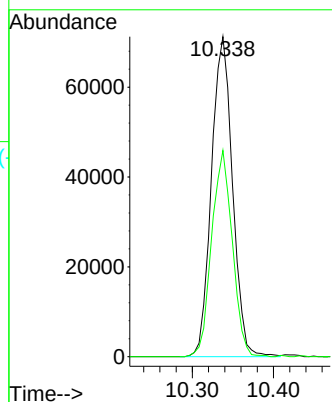
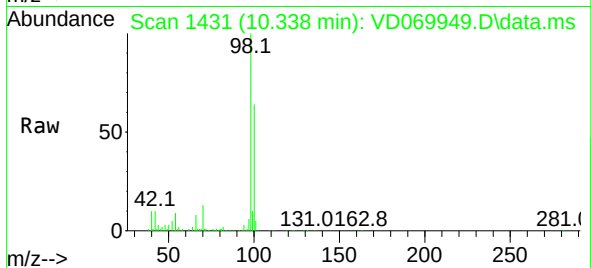




#50
Toluene-d8
Concen: 55.193 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069949.D
Acq: 02 Aug 2021 11:51

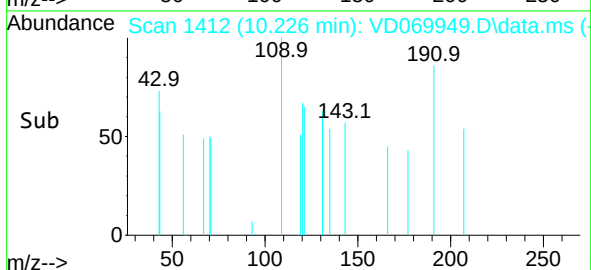
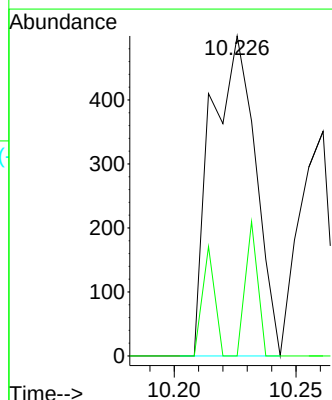
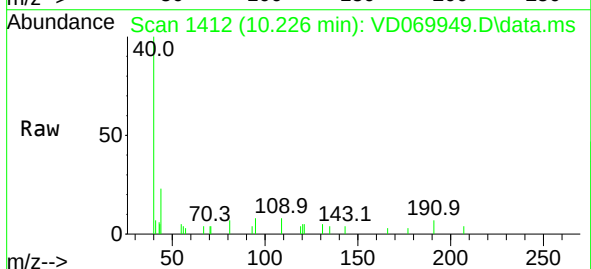
Instrument :
MSVOA_D
ClientSampled :

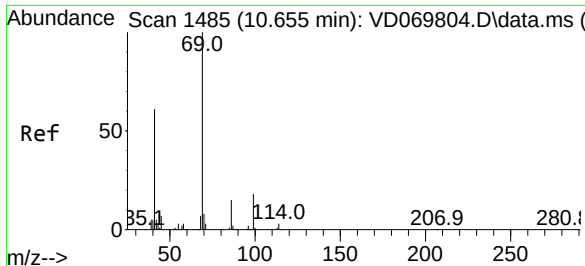
Tgt Ion: 98 Resp: 128481
Ion Ratio Lower Upper
98 100
100 63.2 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.800 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD069949.D
Acq: 02 Aug 2021 11:51

Tgt Ion: 43 Resp: 632
Ion Ratio Lower Upper
43 100
58 11.7 33.7 50.5#

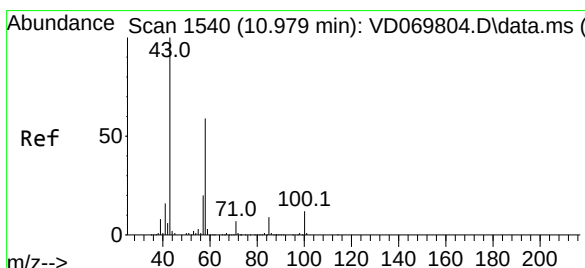
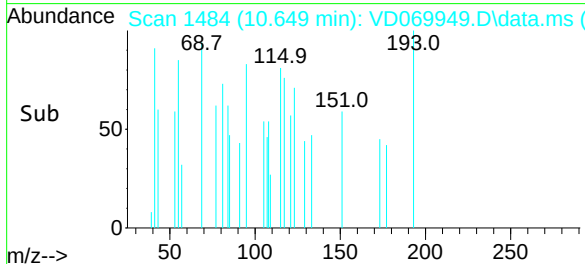
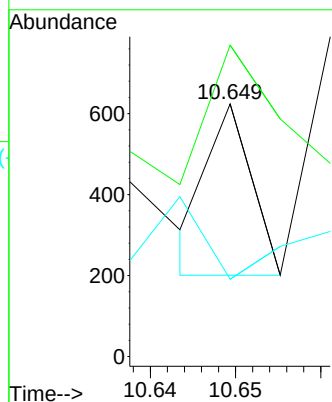
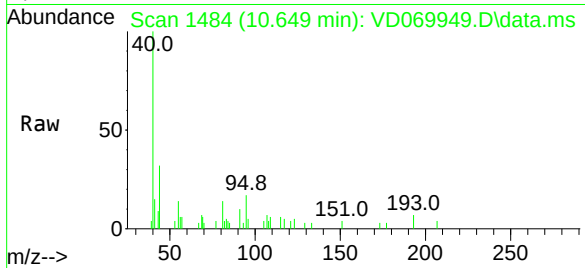




#56
Ethyl methacrylate
Concen: 4.099 ug/l
RT: 10.649 min Scan# 1484
Delta R.T. -0.006 min
Lab File: VD069949.D
Acq: 02 Aug 2021 11:51

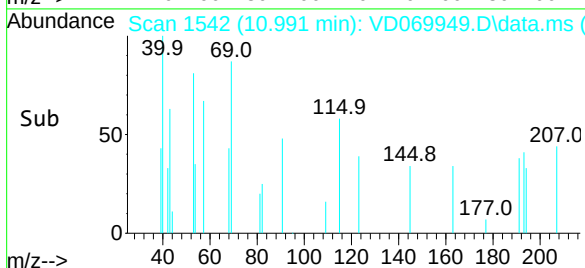
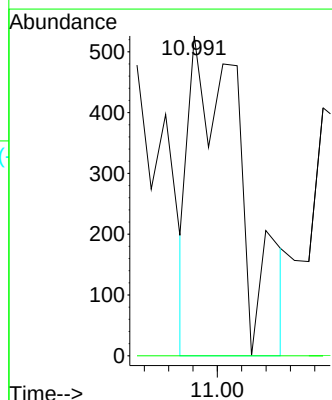
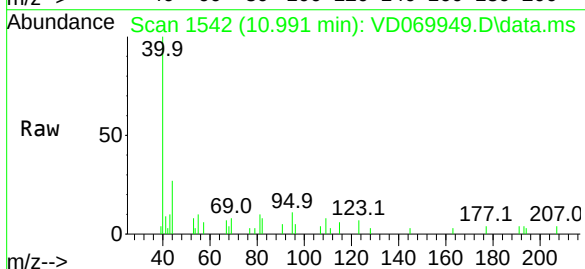
Instrument :
MSVOA_D
ClientSampleId :

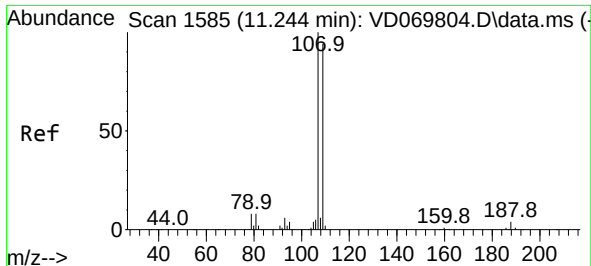
Tgt Ion: 69 Resp: 149
Ion Ratio Lower Upper
69 100
41 193.3 50.2 75.2#
39 259.1 22.0 33.0#



#59
2-Hexanone
Concen: 3.354 ug/l
RT: 10.991 min Scan# 1542
Delta R.T. 0.012 min
Lab File: VD069949.D
Acq: 02 Aug 2021 11:51

Tgt Ion: 43 Resp: 779
Ion Ratio Lower Upper
43 100
58 0.0 29.4 88.3#

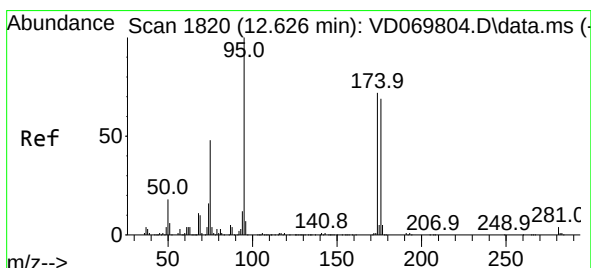
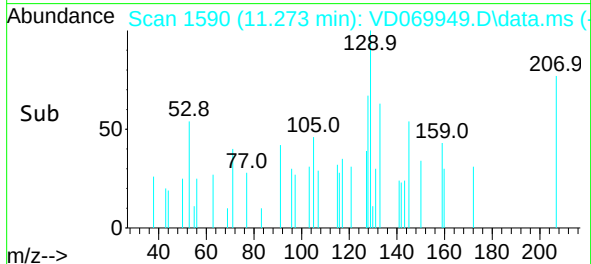
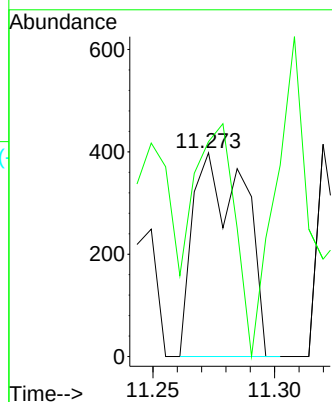
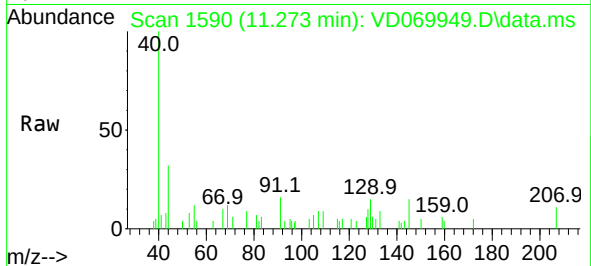




#61
1,2-Dibromoethane
Concen: 1.184 ug/l
RT: 11.273 min Scan# 1590
Delta R.T. 0.029 min
Lab File: VD069949.D
Acq: 02 Aug 2021 11:51

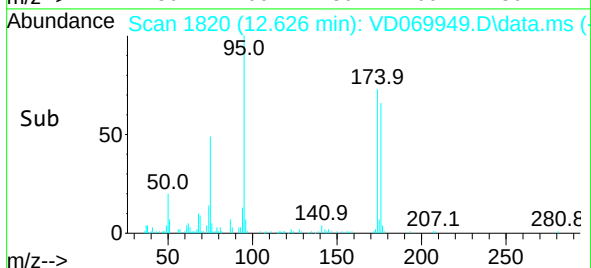
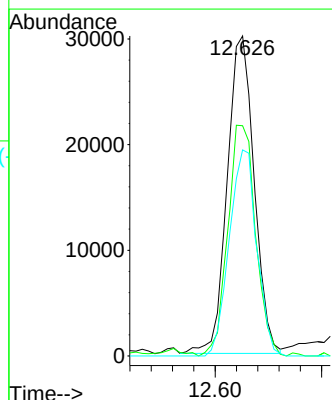
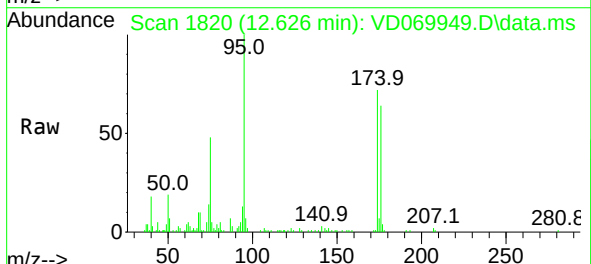
Instrument :
MSVOA_D
ClientSampled :

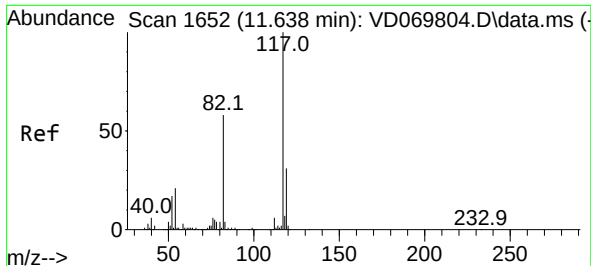
Tgt Ion:107 Resp: 582
Ion Ratio Lower Upper
107 100
109 90.0 74.5 111.7



#62
4-Bromofluorobenzene
Concen: 67.819 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069949.D
Acq: 02 Aug 2021 11:51

Tgt Ion: 95 Resp: 52762
Ion Ratio Lower Upper
95 100
174 74.8 0.0 142.6
176 66.0 0.0 134.2

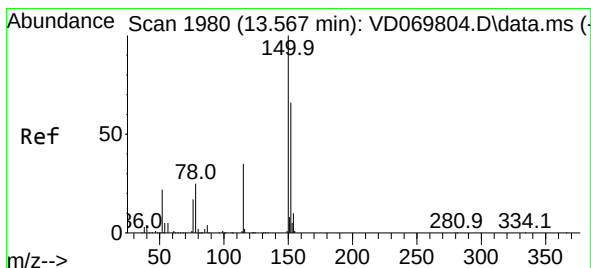
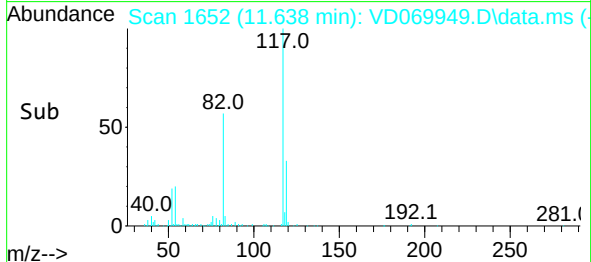
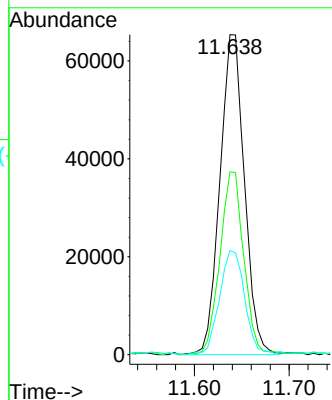
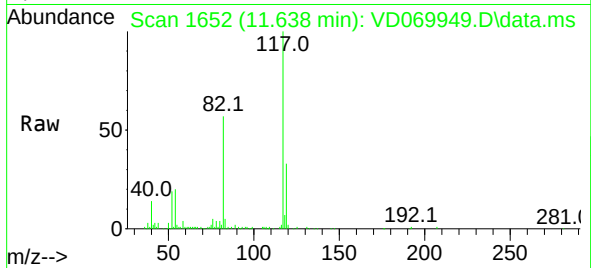




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069949.D
Acq: 02 Aug 2021 11:51

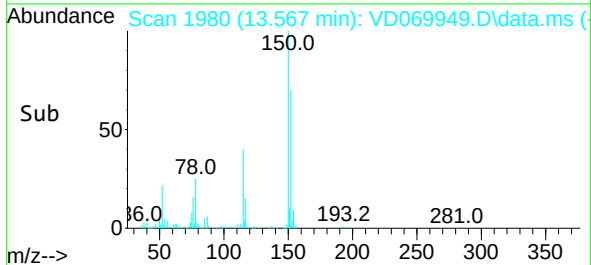
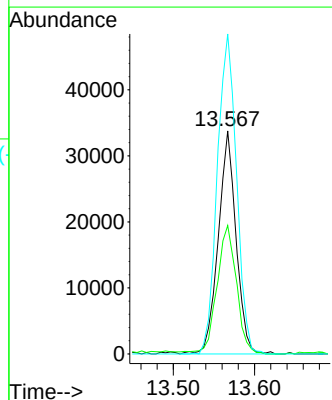
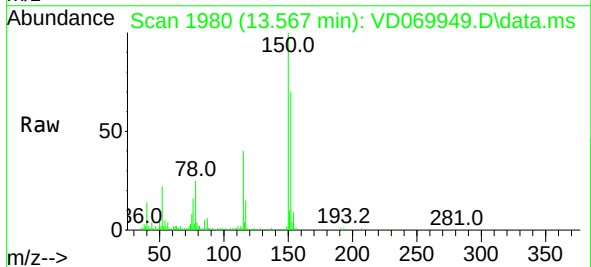
Instrument :
MSVOA_D
ClientSampleId :

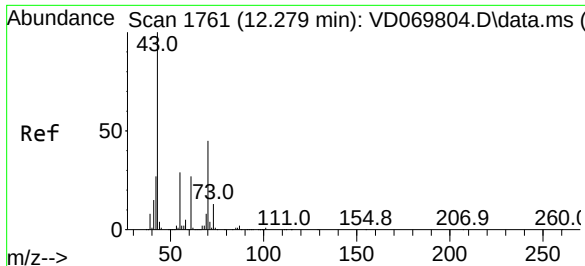
Tgt Ion:117 Resp: 117612
Ion Ratio Lower Upper
117 100
82 57.1 46.3 69.5
119 32.3 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069949.D
Acq: 02 Aug 2021 11:51

Tgt Ion:152 Resp: 51658
Ion Ratio Lower Upper
152 100
115 63.1 31.1 93.3
150 154.4 0.0 343.0

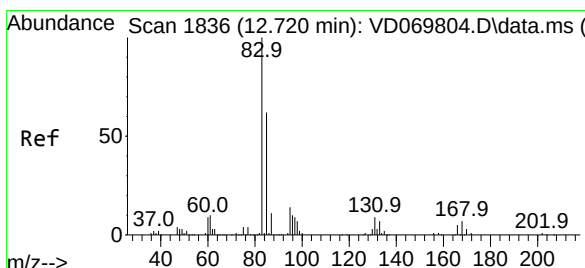
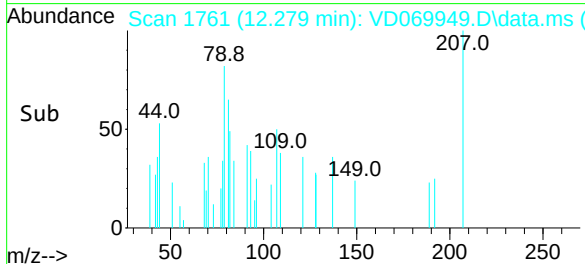
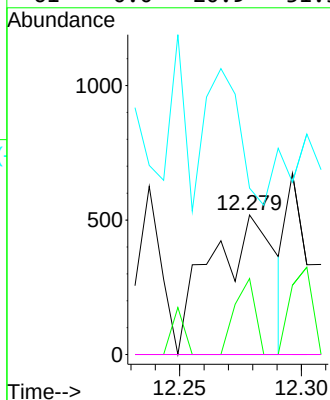
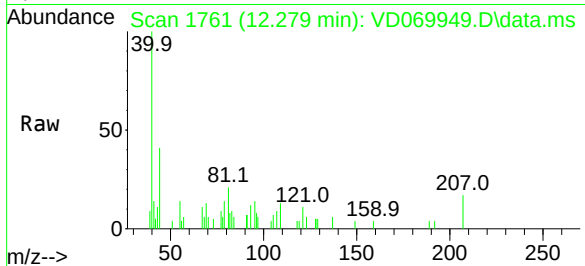




#74
N-amy1 acetate
Concen: 1.244 ug/l
RT: 12.279 min Scan# 1761
Delta R.T. -0.000 min
Lab File: VD069949.D
Acq: 02 Aug 2021 11:51

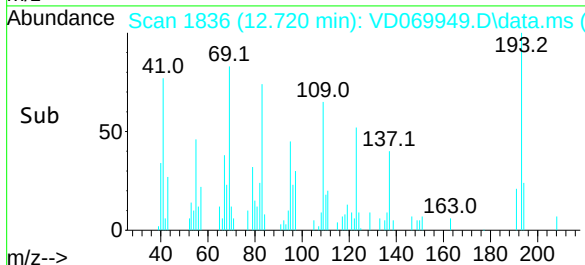
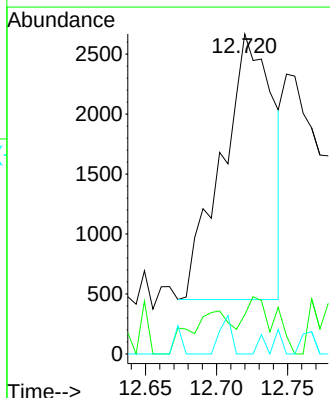
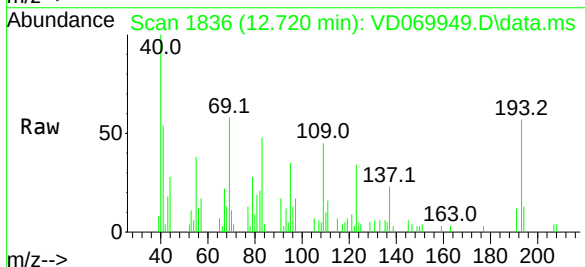
Instrument :
MSVOA_D
ClientSampled :

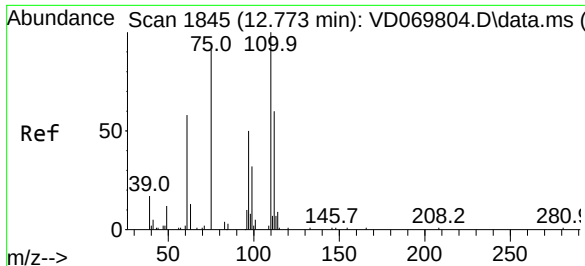
Tgt Ion:	43	Resp:	950
Ion Ratio	Lower	Upper	
43	100		
70	17.5	37.9	56.9#
55	55.6	23.7	35.5#
61	0.0	20.9	31.3#



#75
1,1,2,2-Tetrachloroethane
Concen: 7.409 ug/l
RT: 12.720 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VD069949.D
Acq: 02 Aug 2021 11:51

Tgt Ion:	83	Resp:	5492
Ion Ratio	Lower	Upper	
83	100		
131	12.7	4.9	14.6
85	1.0	31.8	95.4#

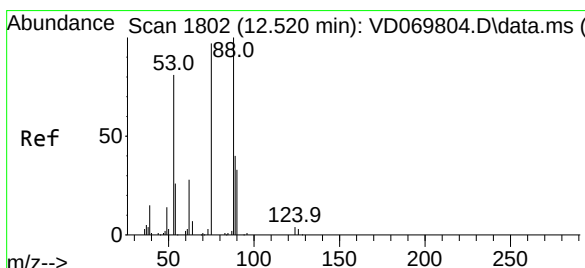
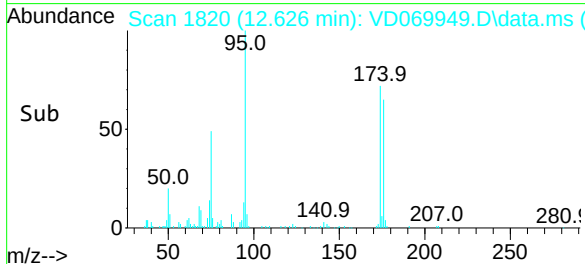
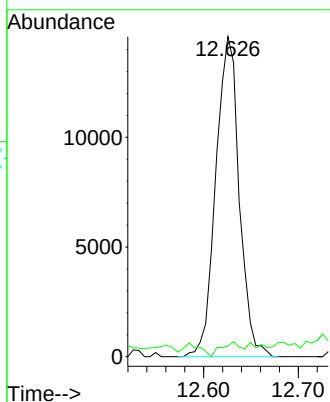
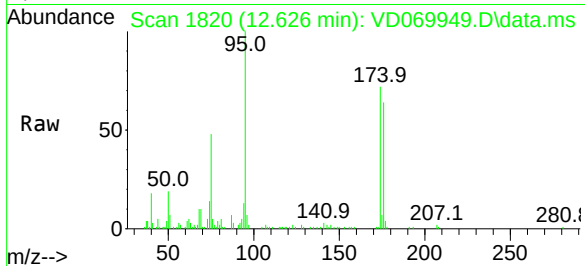




#76
1,2,3-Trichloropropane
Concen: 45.723 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069949.D
Acq: 02 Aug 2021 11:51

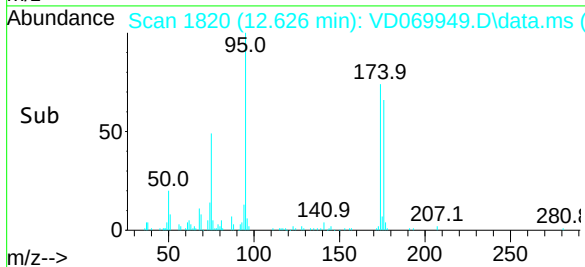
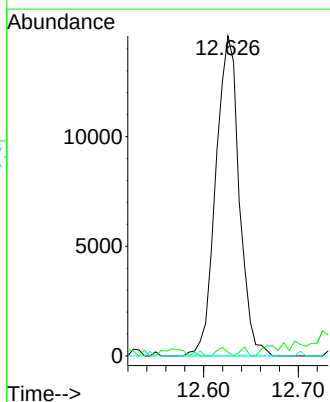
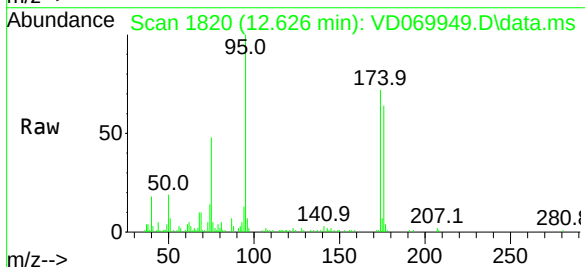
Instrument :
MSVOA_D
ClientSampleId :

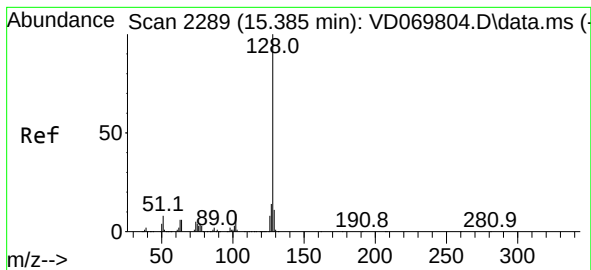
Tgt Ion: 75 Resp: 25106
Ion Ratio Lower Upper
75 100
77 3.9 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.712 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069949.D
Acq: 02 Aug 2021 11:51

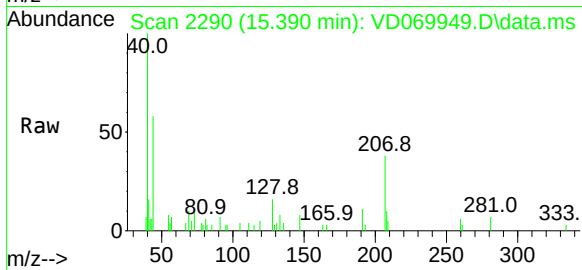
Tgt Ion: 75 Resp: 25106
Ion Ratio Lower Upper
75 100
53 1.1 67.2 100.8#
89 0.0 35.8 53.6#





#95
Naphthalene
Concen: 5.730 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD069949.D
Acq: 02 Aug 2021 11:51

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 1372
Ion Ratio Lower Upper
128 100
127 4.5 10.6 16.0#
129 13.8 8.6 12.8#

