

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080321\
 Data File : VD069972.D
 Acq On : 03 Aug 2021 18:05
 Operator : VA/SY
 Sample : M3268-16
 Misc : 8.41G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 01:33:44 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)

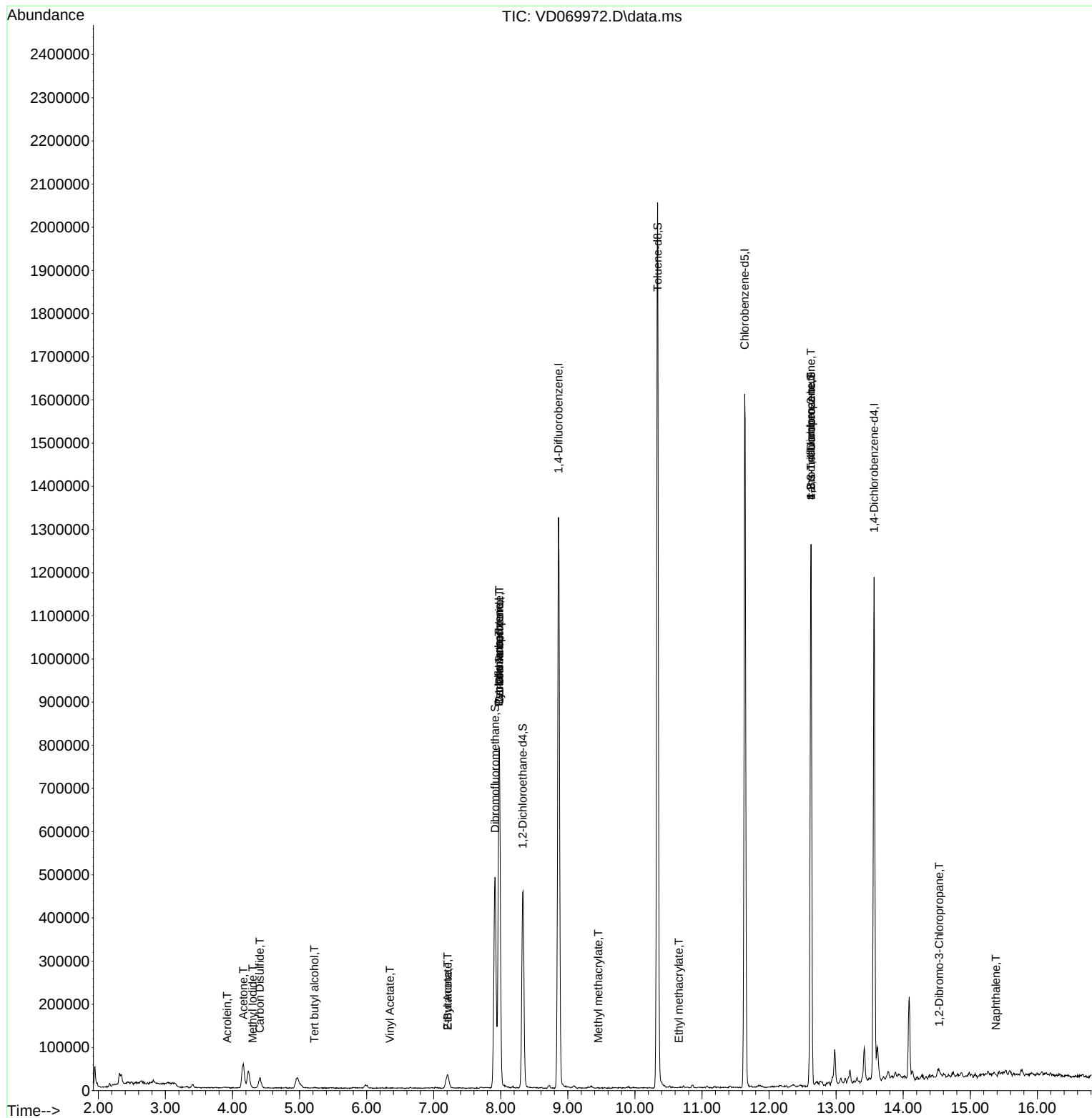
Internal Standards						
1) Pentafluorobenzene	7.973	168	561565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1131180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	955492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	302868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	365091	56.529	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.060%
35) Dibromofluoromethane	7.914	113	368300	51.648	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.300%
50) Toluene-d8	10.338	98	1414193	51.432	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.860%
62) 4-Bromofluorobenzene	12.626	95	381144	41.476	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	82.960%
Target Compounds						Qvalue
5) Bromomethane	2.779	94	1977	Below Cal	#	76
10) Methyl Iodide	4.303	142	462	3.524	ug/l #	53
11) Tert butyl alcohol	5.220	59	1654	4.949	ug/l #	73
13) Acrolein	3.920	56	1301	2.781	ug/l #	74
16) Acetone	4.161	43	99587	85.358	ug/l	99
17) Carbon Disulfide	4.408	76	48463	2.110	ug/l	97
20) Methylene Chloride	4.961	84	18964	Below Cal	#	83
23) Vinyl Acetate	6.349	43	129	20.360	ug/l #	71
25) 2-Butanone	7.208	43	34339	21.703	ug/l #	85
31) Cyclohexane	7.973	56	15003	1.189	ug/l #	4
36) 1,1-Dichloropropene	7.979	75	51813	4.244	ug/l #	49
37) Ethyl Acetate	7.208	43	34339	7.727	ug/l #	73
38) Carbon Tetrachloride	7.979	117	62137	5.573	ug/l #	16
48) Methyl methacrylate	9.455	41	135	2.777	ug/l #	13
56) Ethyl methacrylate	10.655	69	130	3.911	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	183733	57.073	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	183733	173.144	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.537	75	2482	3.966	ug/l #	7
95) Naphthalene	15.384	128	1324	5.119	ug/l #	74

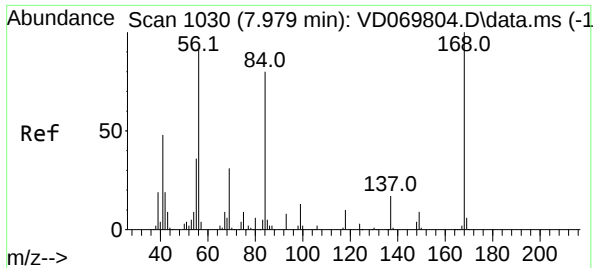
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 23 04:51:13 2021
Response via : Initial Calibration

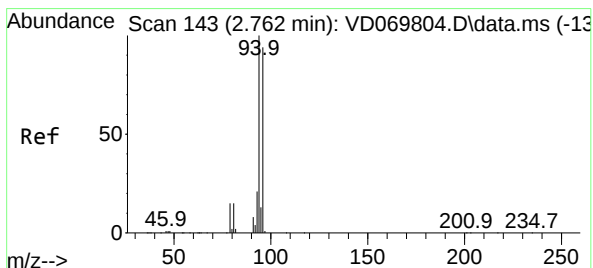
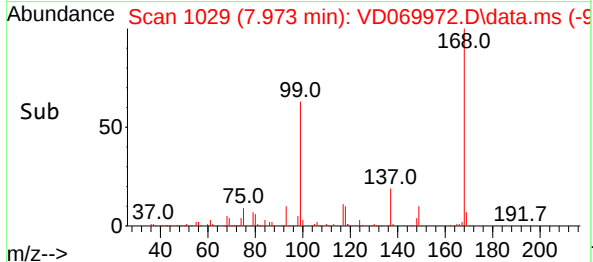
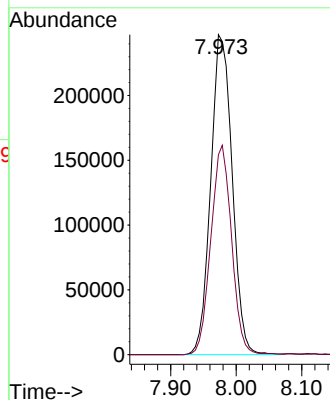
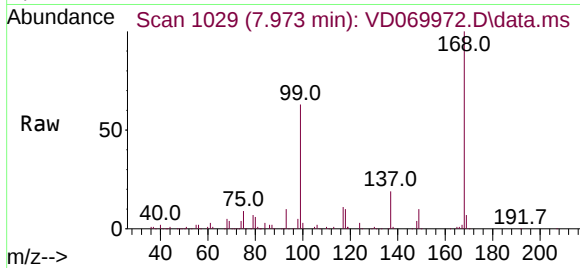




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD069972.D
Acq: 03 Aug 2021 18:05

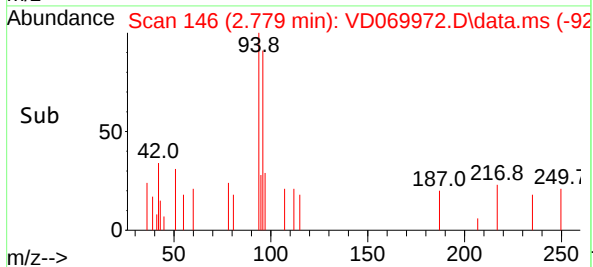
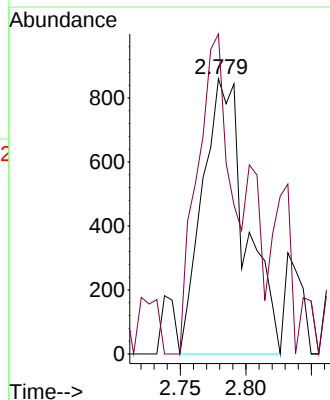
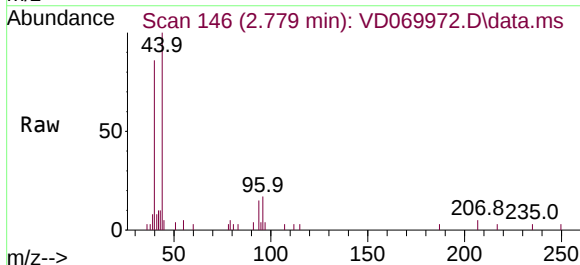
Instrument :
MSVOA_D
ClientSampled :

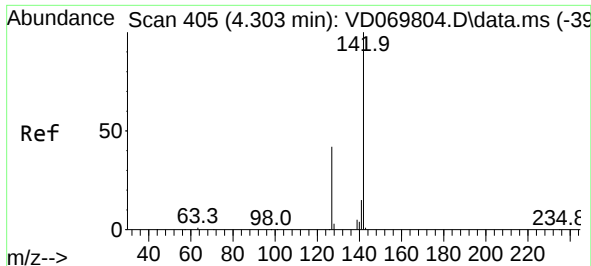
Tgt Ion:168 Resp: 561565
Ion Ratio Lower Upper
168 100
99 62.5 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069972.D
Acq: 03 Aug 2021 18:05

Tgt Ion: 94 Resp: 1977
Ion Ratio Lower Upper
94 100
96 116.3 74.8 112.2#

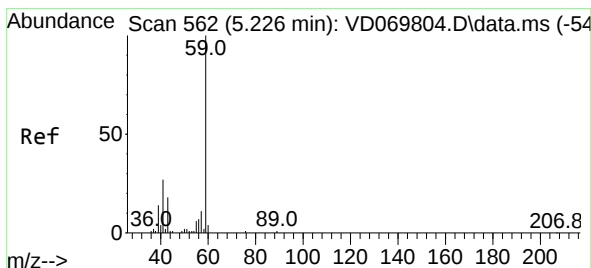
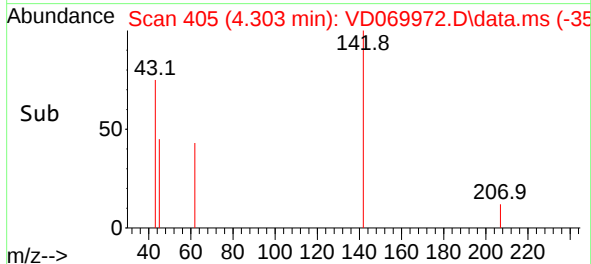
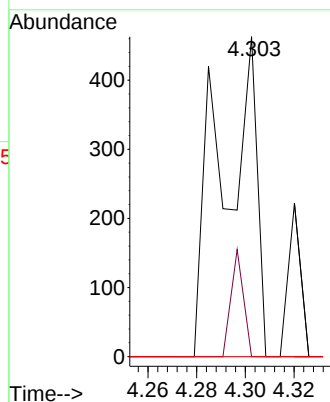
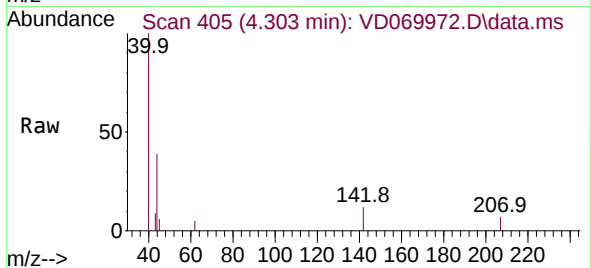




#10
Methyl Iodide
Concen: 3.524 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD069972.D
Acq: 03 Aug 2021 18:05

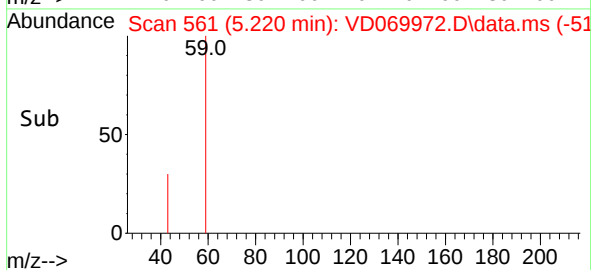
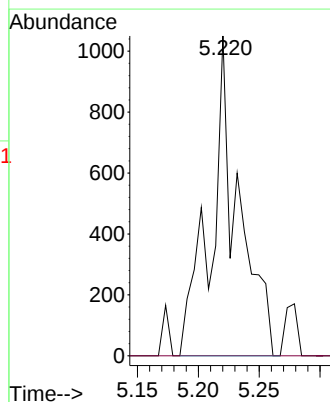
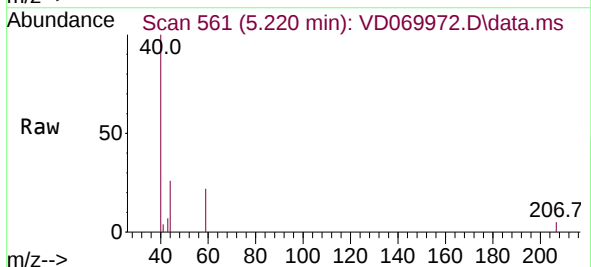
Instrument :
MSVOA_D
ClientSampled :

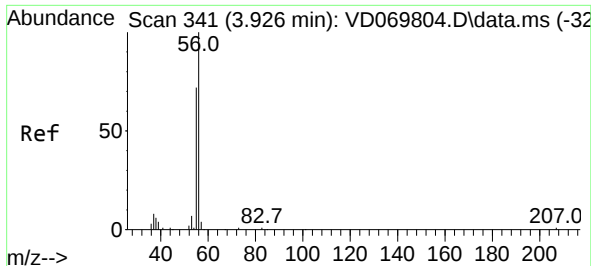
Tgt Ion:142 Resp: 462
Ion Ratio Lower Upper
142 100
127 11.9 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 4.949 ug/l
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD069972.D
Acq: 03 Aug 2021 18:05

Tgt Ion: 59 Resp: 1654
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

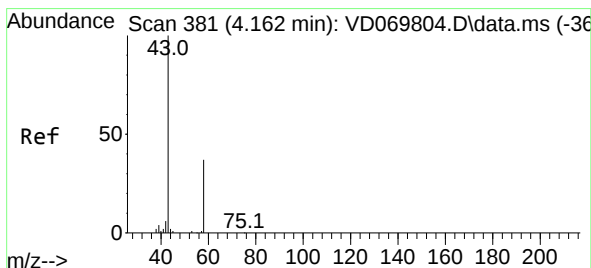
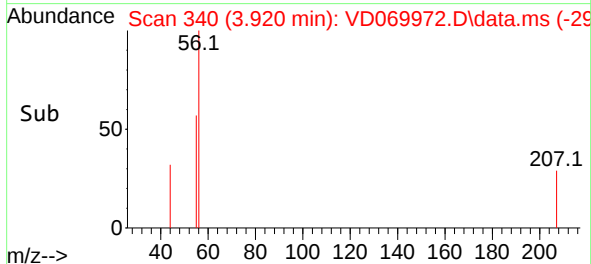
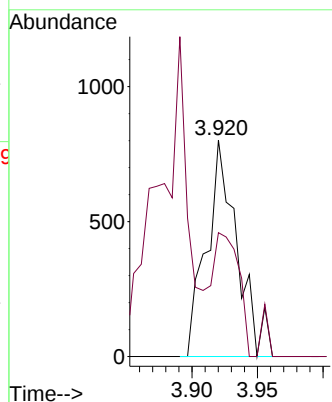
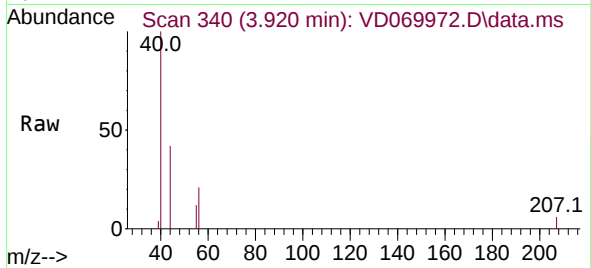




#13
Acrolein
Concen: 2.781 ug/l
RT: 3.920 min Scan# 340
Delta R.T. -0.006 min
Lab File: VD069972.D
Acq: 03 Aug 2021 18:05

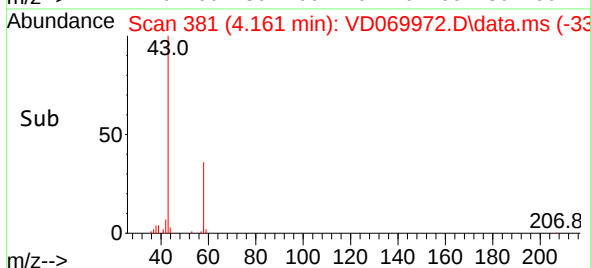
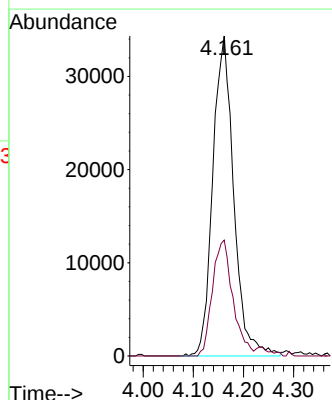
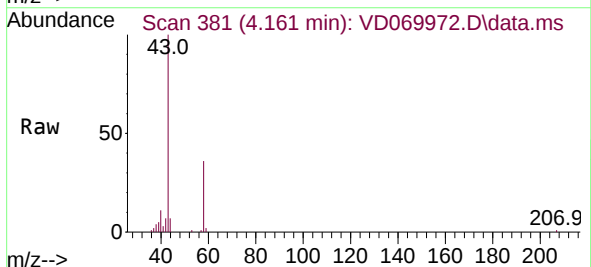
Instrument :
MSVOA_D
ClientSampleId :

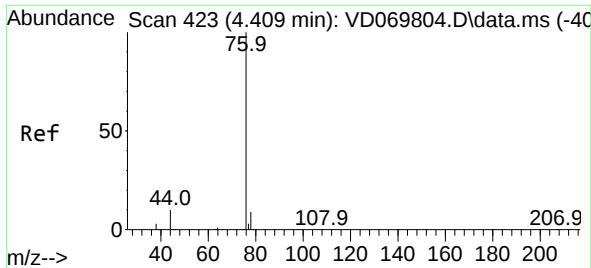
Tgt Ion: 56 Resp: 1301
Ion Ratio Lower Upper
56 100
55 50.3 57.2 85.8#



#16
Acetone
Concen: 85.358 ug/l
RT: 4.161 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069972.D
Acq: 03 Aug 2021 18:05

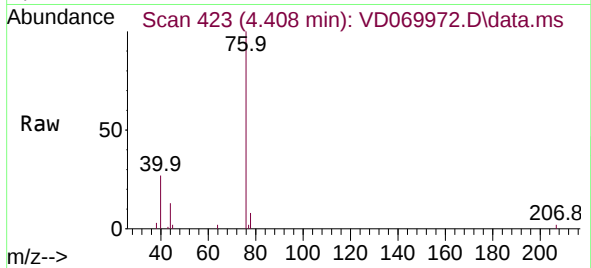
Tgt Ion: 43 Resp: 99587
Ion Ratio Lower Upper
43 100
58 36.2 29.4 44.0



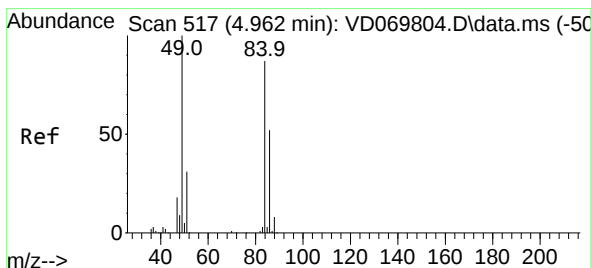
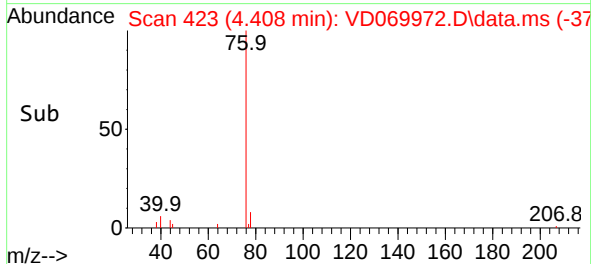
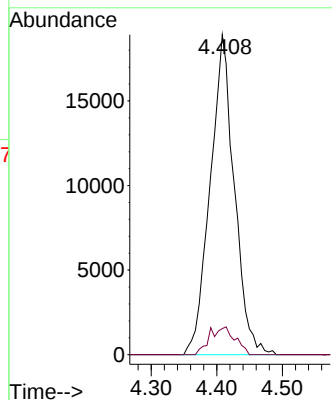


#17
Carbon Disulfide
Concen: 2.110 ug/l
RT: 4.408 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069972.D
Acq: 03 Aug 2021 18:05

Instrument :
MSVOA_D
ClientSampled :

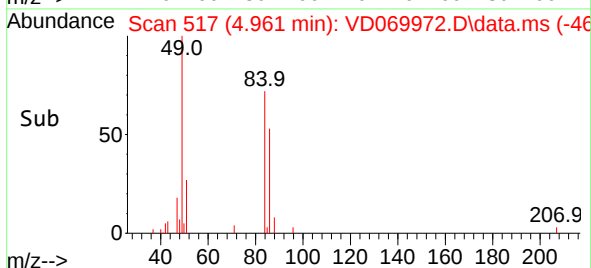
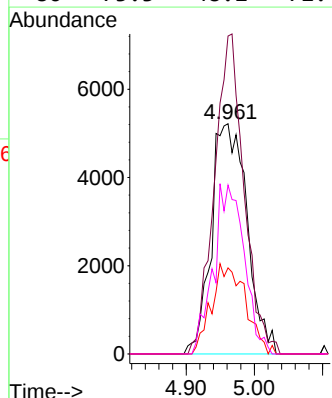
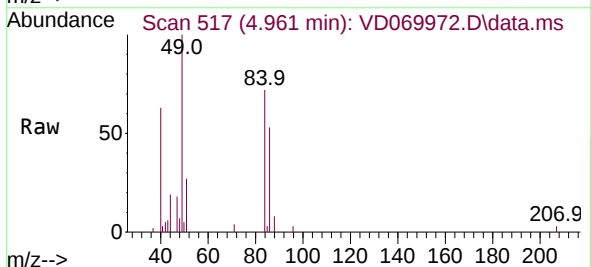


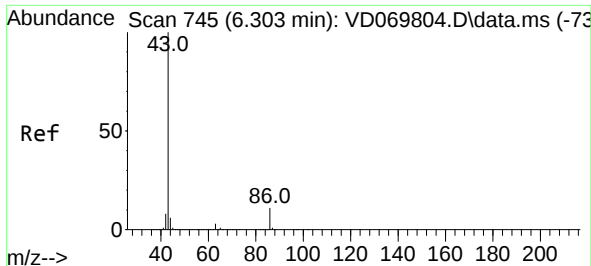
Tgt Ion: 76 Resp: 48463
Ion Ratio Lower Upper
76 100
78 8.1 7.3 10.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD069972.D
Acq: 03 Aug 2021 18:05

Tgt Ion: 84 Resp: 18964
Ion Ratio Lower Upper
84 100
49 138.0 92.4 138.6
51 37.4 28.5 42.7
86 73.3 48.2 72.4#

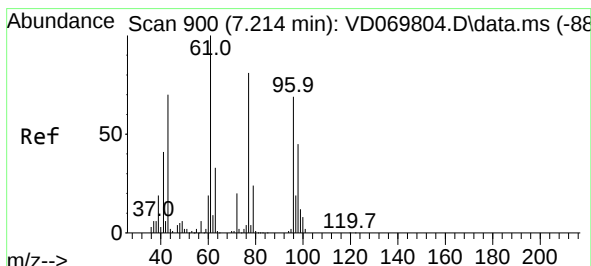
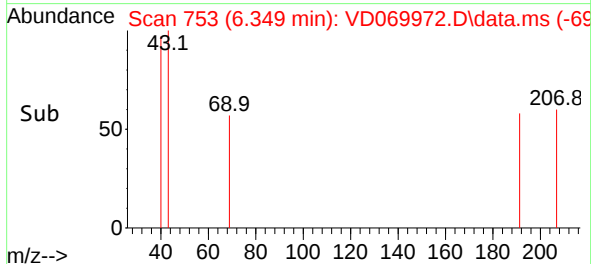
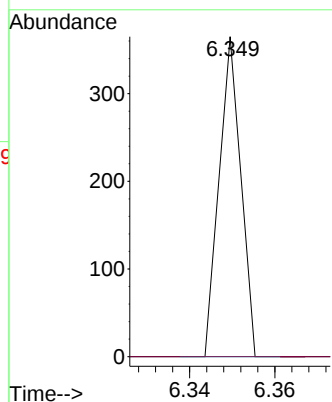
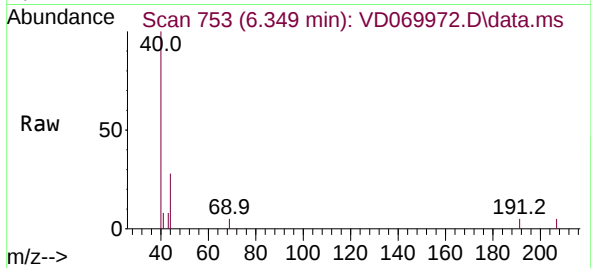




#23
 Vinyl Acetate
 Concen: 20.360 ug/l
 RT: 6.349 min Scan# 753
 Delta R.T. 0.046 min
 Lab File: VD069972.D
 Acq: 03 Aug 2021 18:05

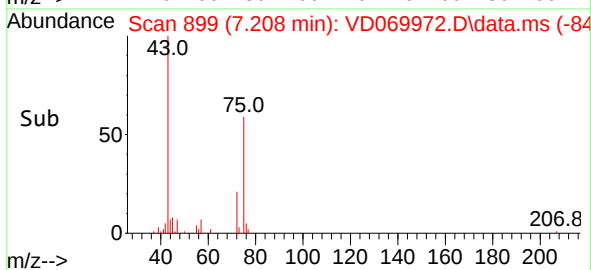
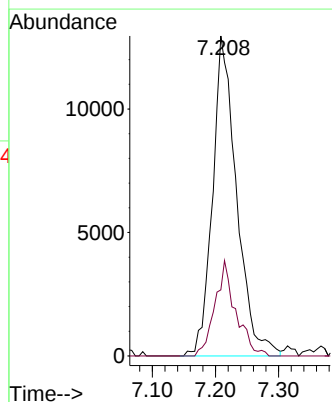
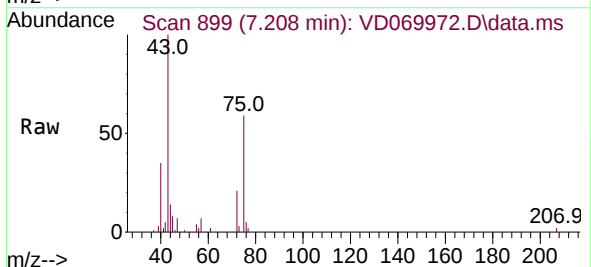
Instrument :
 MSVOA_D
 ClientSampled :

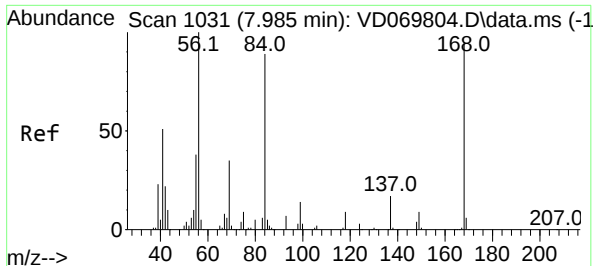
Tgt Ion: 43 Resp: 129
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 21.703 ug/l
 RT: 7.208 min Scan# 899
 Delta R.T. -0.006 min
 Lab File: VD069972.D
 Acq: 03 Aug 2021 18:05

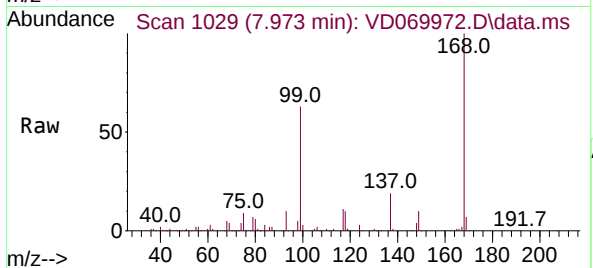
Tgt Ion: 43 Resp: 34339
 Ion Ratio Lower Upper
 43 100
 72 20.6 22.8 34.2#



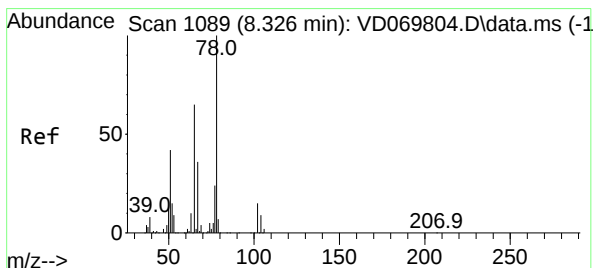
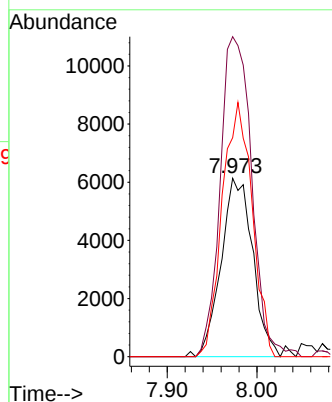
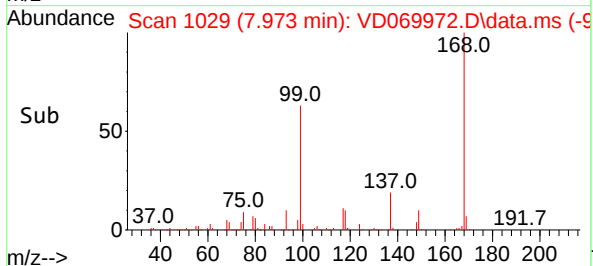


#31
Cyclohexane
Concen: 1.189 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069972.D
Acq: 03 Aug 2021 18:05

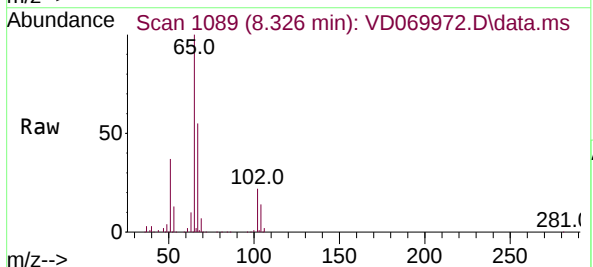
Instrument :
MSVOA_D
ClientSampled :



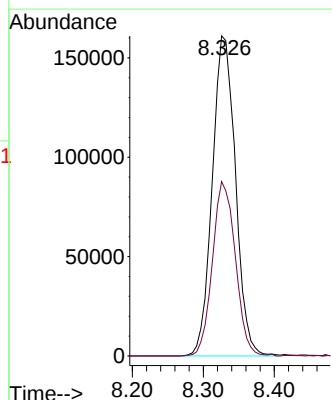
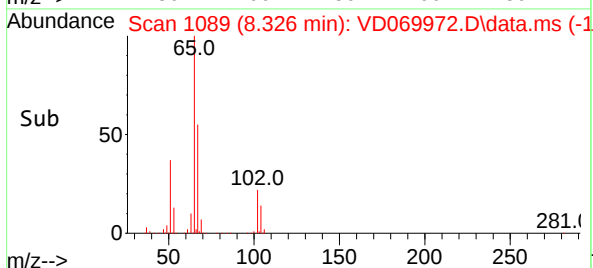
Tgt Ion: 56 Resp: 15003
Ion Ratio Lower Upper
56 100
69 179.4 27.9 41.9#
84 122.9 71.4 107.2#

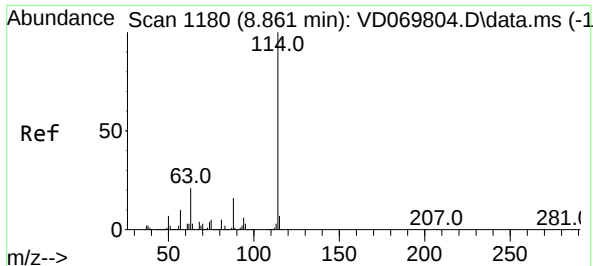


#33
1,2-Dichloroethane-d4
Concen: 56.529 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069972.D
Acq: 03 Aug 2021 18:05



Tgt Ion: 65 Resp: 365091
Ion Ratio Lower Upper
65 100
67 53.9 0.0 111.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD069972.D

Acq: 03 Aug 2021 18:05

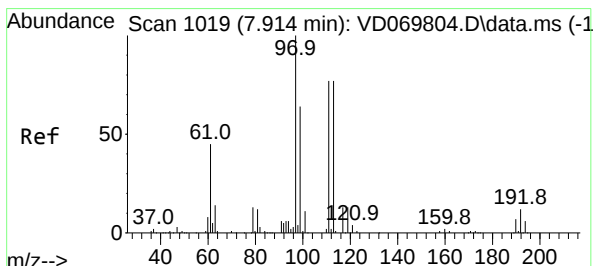
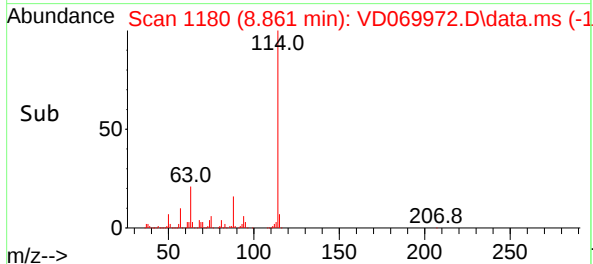
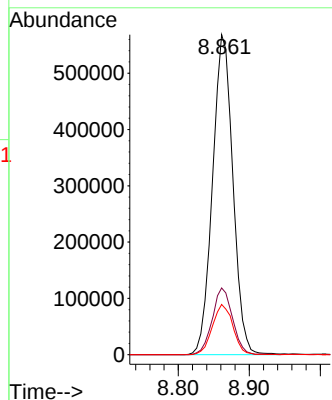
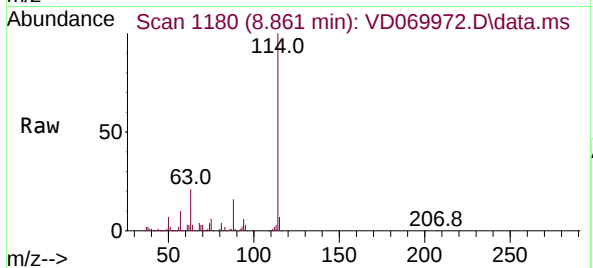
Tgt Ion:114 Resp: 1131180

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.6

88 15.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 51.648 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069972.D

Acq: 03 Aug 2021 18:05

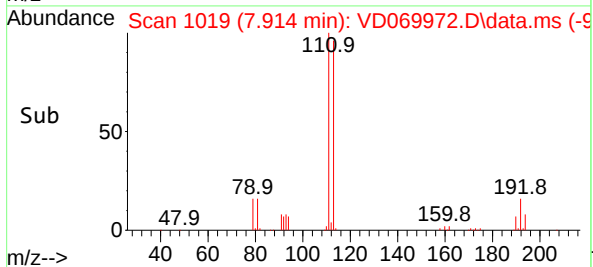
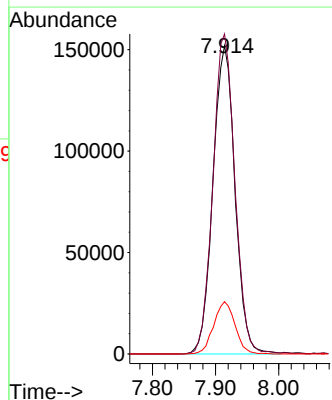
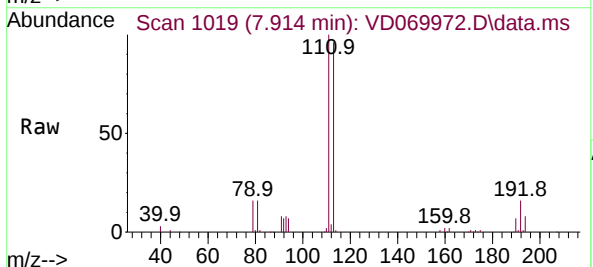
Tgt Ion:113 Resp: 368300

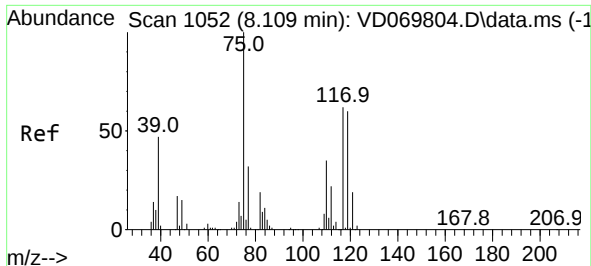
Ion Ratio Lower Upper

113 100

111 103.7 80.5 120.7

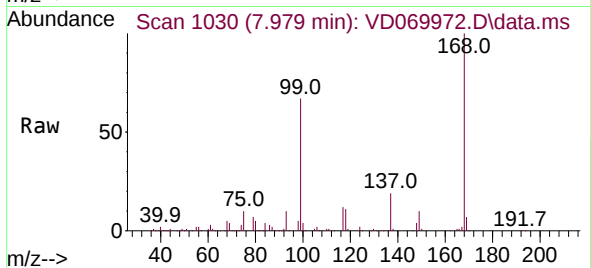
192 16.4 12.6 19.0



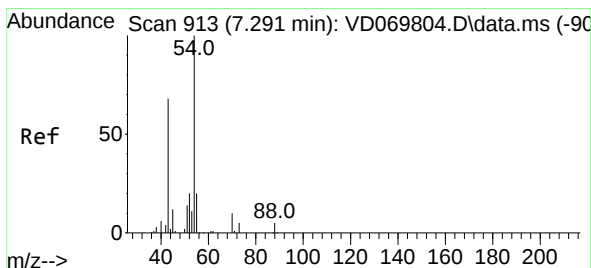
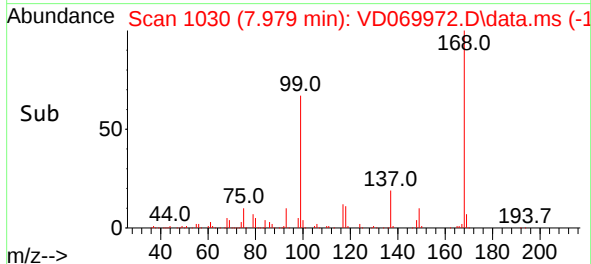
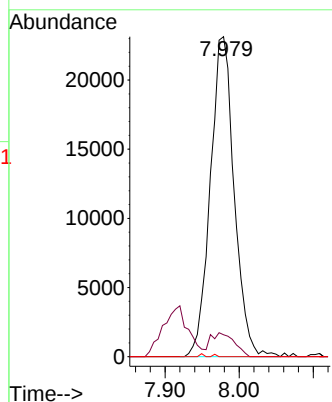


#36
1,1-Dichloropropene
Concen: 4.244 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069972.D
Acq: 03 Aug 2021 18:05

Instrument :
MSVOA_D
ClientSampleId :

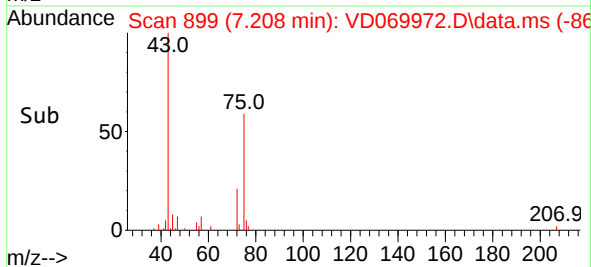
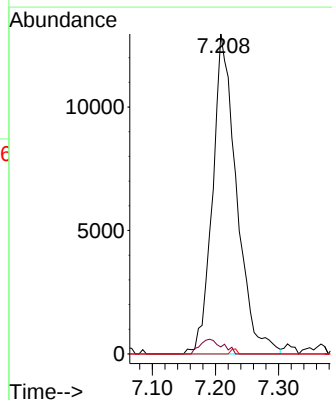
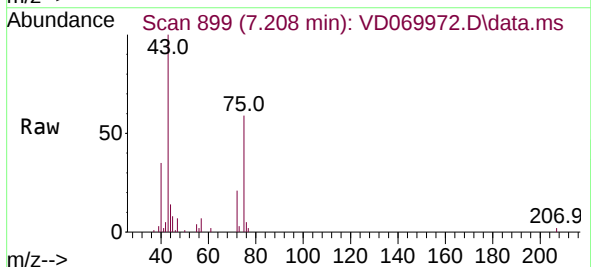


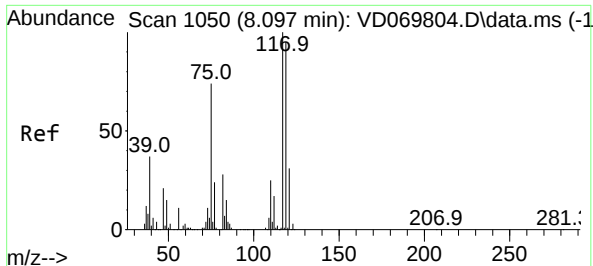
Tgt Ion: 75 Resp: 51813
Ion Ratio Lower Upper
75 100
110 7.2 16.9 50.7#
77 0.1 24.9 37.3#



#37
Ethyl Acetate
Concen: 7.727 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.083 min
Lab File: VD069972.D
Acq: 03 Aug 2021 18:05

Tgt Ion: 43 Resp: 34339
Ion Ratio Lower Upper
43 100
61 4.2 11.8 17.8#
70 0.0 8.9 13.3#

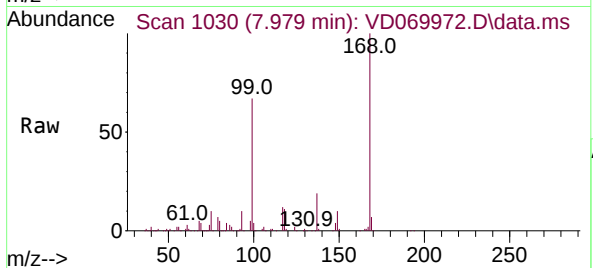




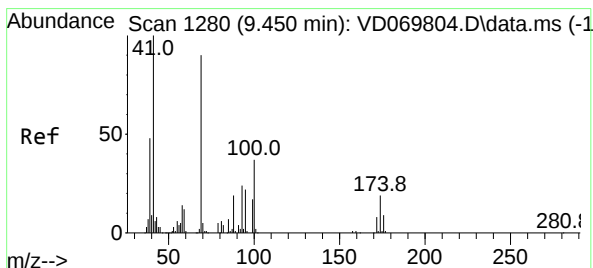
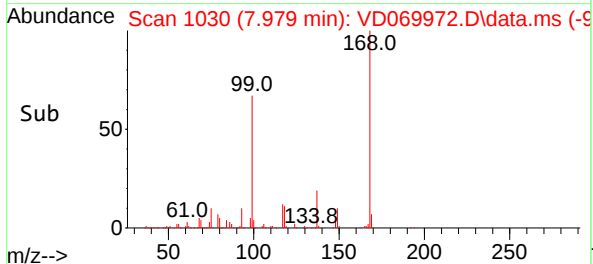
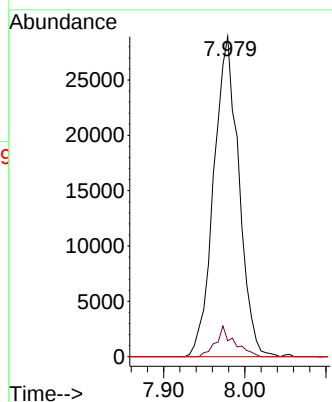
#38

Carbon Tetrachloride
Concen: 5.573 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069972.D
Acq: 03 Aug 2021 18:05

Instrument :
MSVOA_D
ClientSampled :



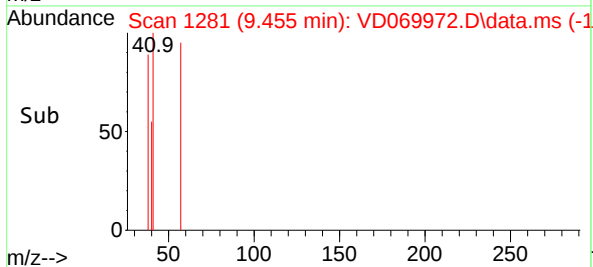
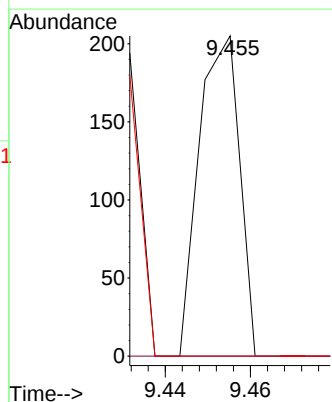
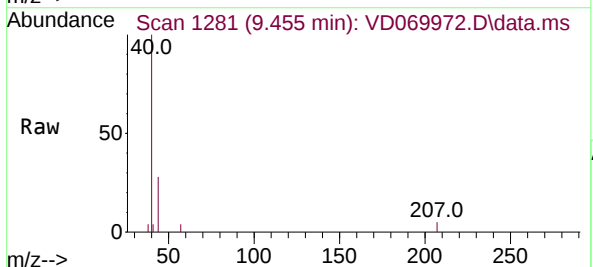
Tgt Ion: 117 Resp: 62137
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.5 36.7#

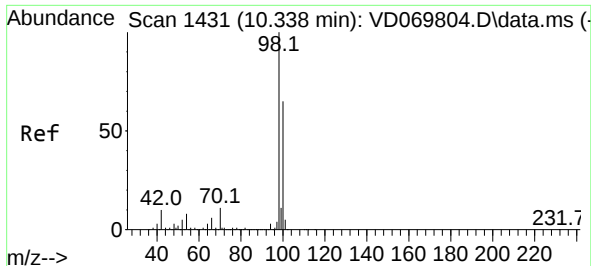


#48

Methyl methacrylate
Concen: 2.777 ug/l
RT: 9.455 min Scan# 1281
Delta R.T. 0.005 min
Lab File: VD069972.D
Acq: 03 Aug 2021 18:05

Tgt Ion: 41 Resp: 135
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#

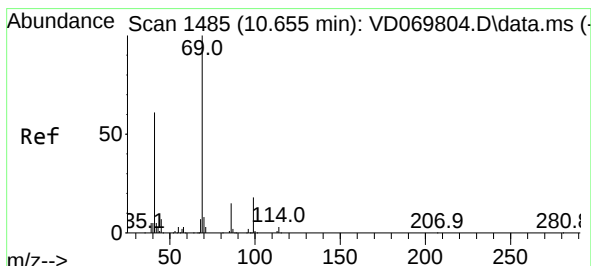
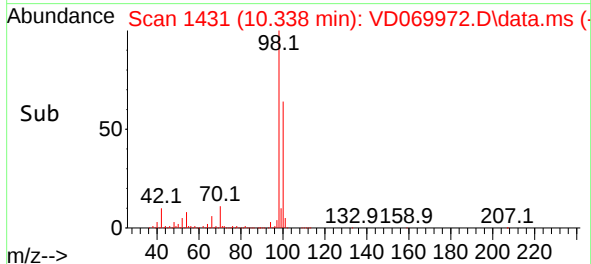
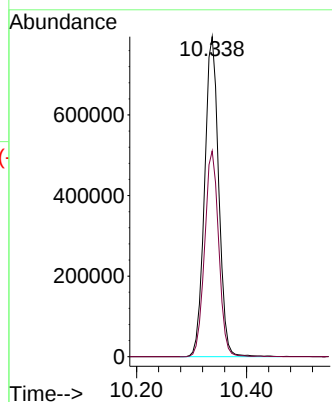
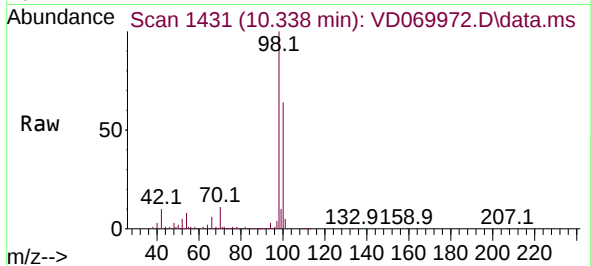




#50
Toluene-d8
Concen: 51.432 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069972.D
Acq: 03 Aug 2021 18:05

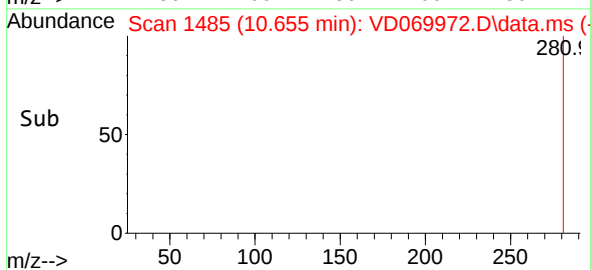
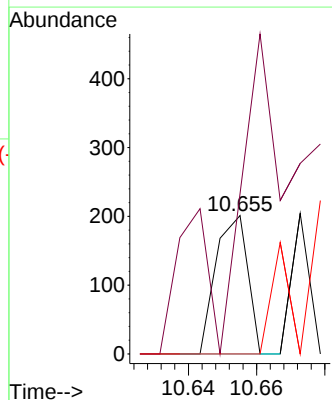
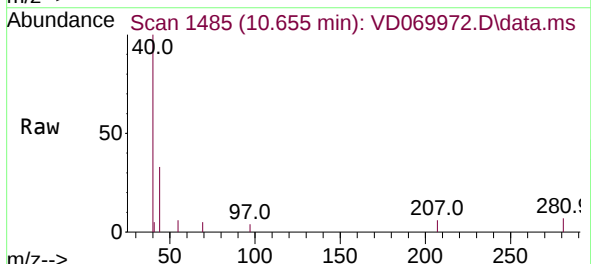
Instrument :
MSVOA_D
ClientSampleId :

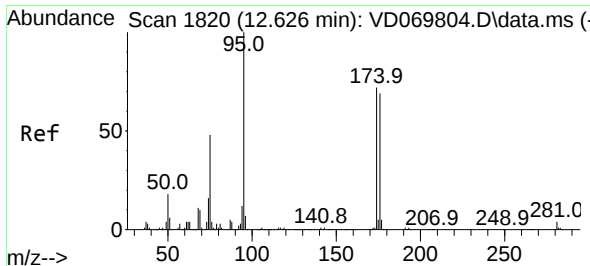
Tgt Ion: 98 Resp: 1414193
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.911 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD069972.D
Acq: 03 Aug 2021 18:05

Tgt Ion: 69 Resp: 130
Ion Ratio Lower Upper
69 100
41 701.5 50.2 75.2#
39 0.0 22.0 33.0#

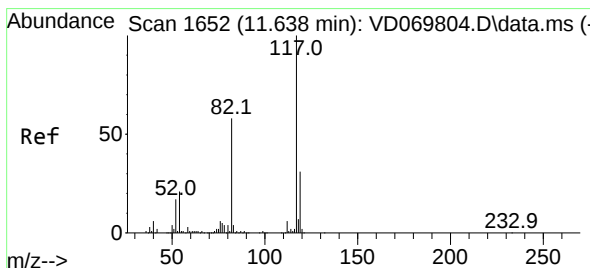
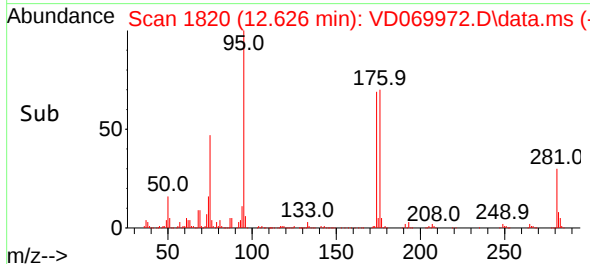
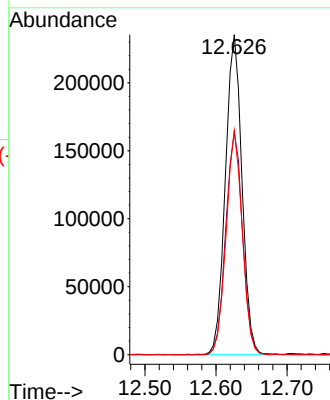
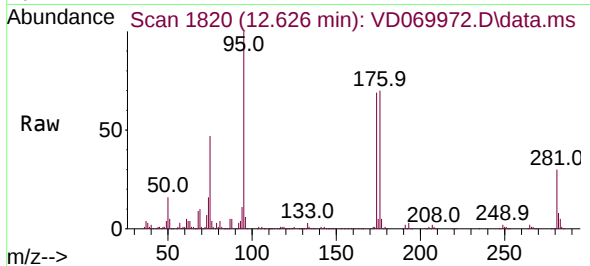




#62
4-Bromofluorobenzene
Concen: 41.476 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069972.D
Acq: 03 Aug 2021 18:05

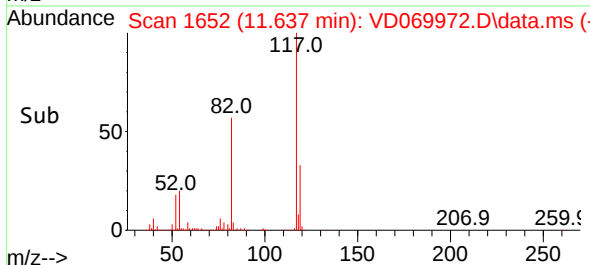
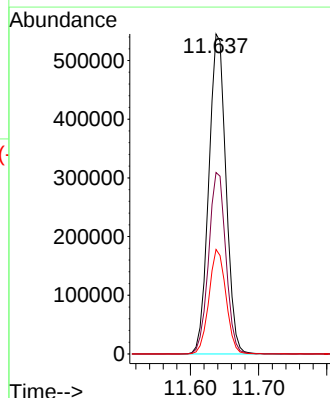
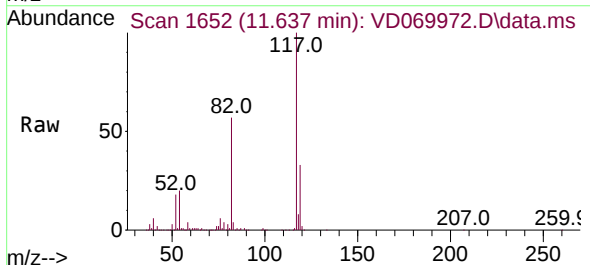
Instrument :
MSVOA_D
ClientSampled :

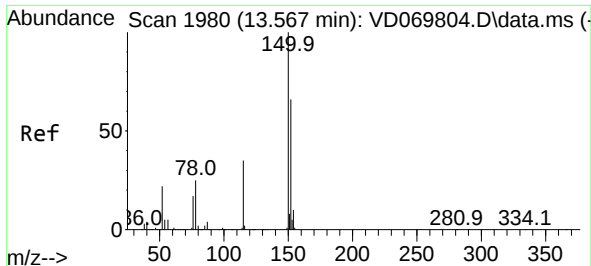
Tgt Ion: 95 Resp: 381144
Ion Ratio Lower Upper
95 100
174 70.5 0.0 142.6
176 68.0 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069972.D
Acq: 03 Aug 2021 18:05

Tgt Ion: 117 Resp: 955492
Ion Ratio Lower Upper
117 100
82 56.7 46.3 69.5
119 32.6 24.7 37.1

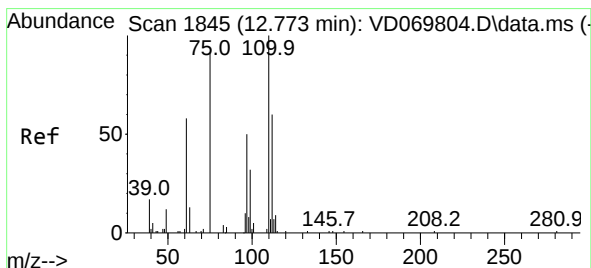
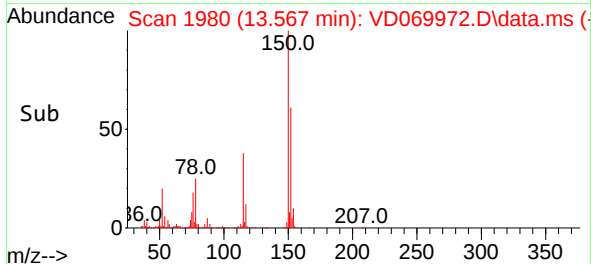
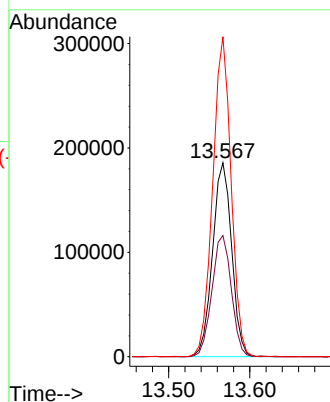
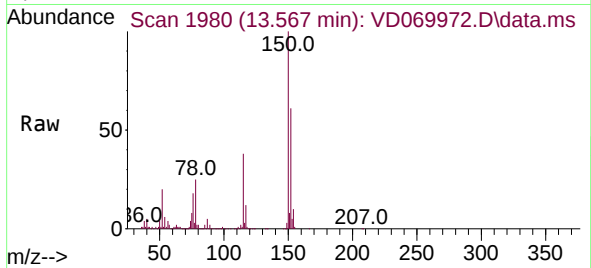




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069972.D
Acq: 03 Aug 2021 18:05

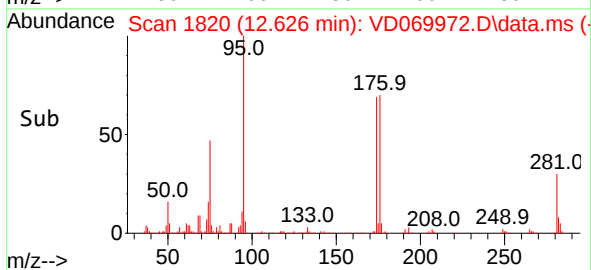
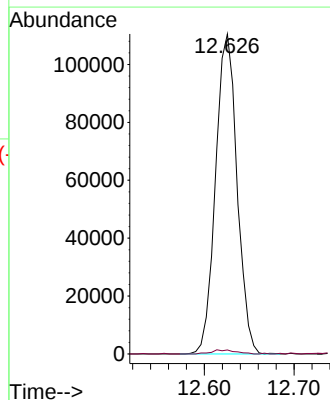
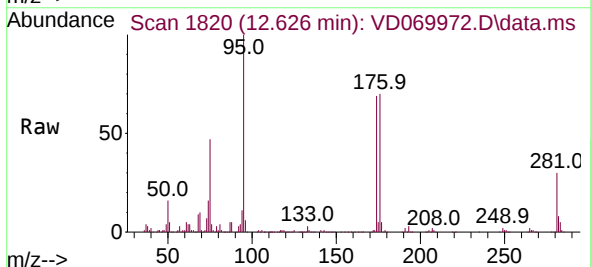
Instrument :
MSVOA_D
ClientSampleId :

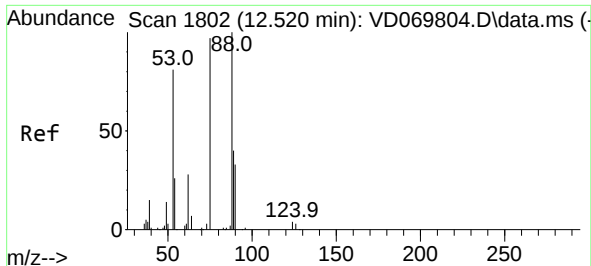
Tgt Ion:152 Resp: 302868
Ion Ratio Lower Upper
152 100
115 63.5 31.1 93.3
150 159.0 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 57.073 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069972.D
Acq: 03 Aug 2021 18:05

Tgt Ion: 75 Resp: 183733
Ion Ratio Lower Upper
75 100
77 1.4 181.5 544.5#

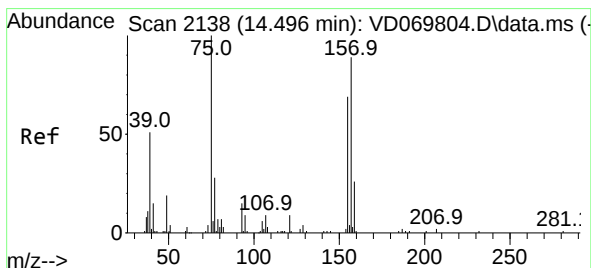
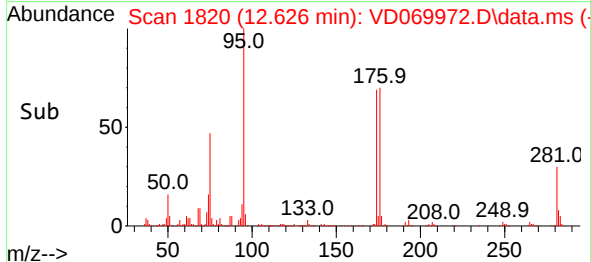
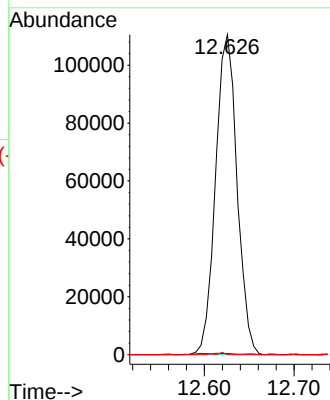
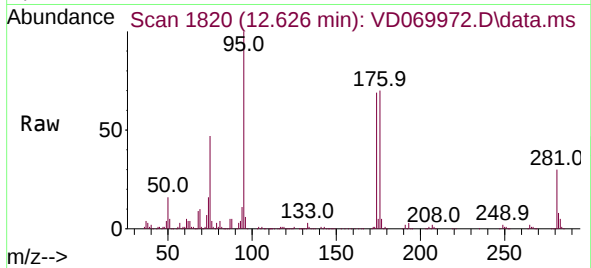




#81
trans-1,4-Dichloro-2-butene
Concen: 173.144 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069972.D
Acq: 03 Aug 2021 18:05

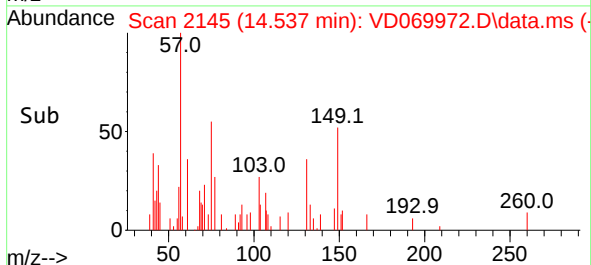
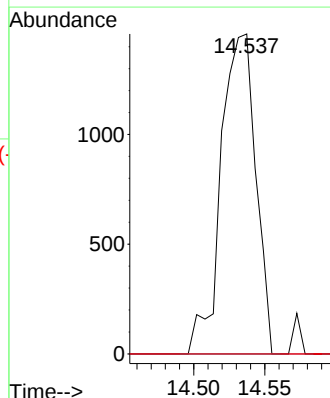
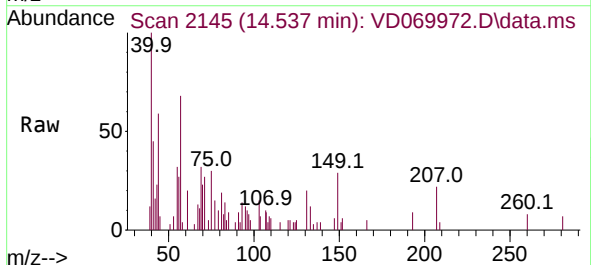
Instrument :
MSVOA_D
ClientSampleId :

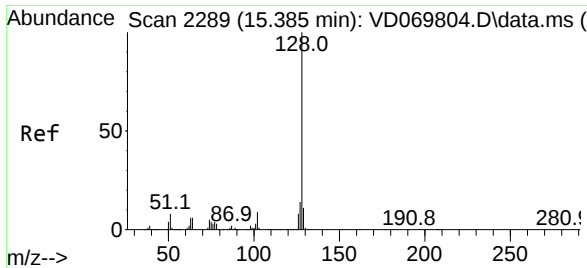
Tgt Ion: 75 Resp: 183733
Ion Ratio Lower Upper
75 100
53 0.4 67.2 100.8#
89 0.2 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.966 ug/l
RT: 14.537 min Scan# 2145
Delta R.T. 0.041 min
Lab File: VD069972.D
Acq: 03 Aug 2021 18:05

Tgt Ion: 75 Resp: 2482
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#





#95
Naphthalene
Concen: 5.119 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD069972.D
Acq: 03 Aug 2021 18:05

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	128	Resp:	1324
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.6	16.0#
129	4.2	8.6	12.8#

