

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072921\
 Data File : VD069923.D
 Acq On : 29 Jul 2021 20:47
 Operator : VA/SY
 Sample : M3228-02
 Misc : 7.30G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 00:59:17 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)

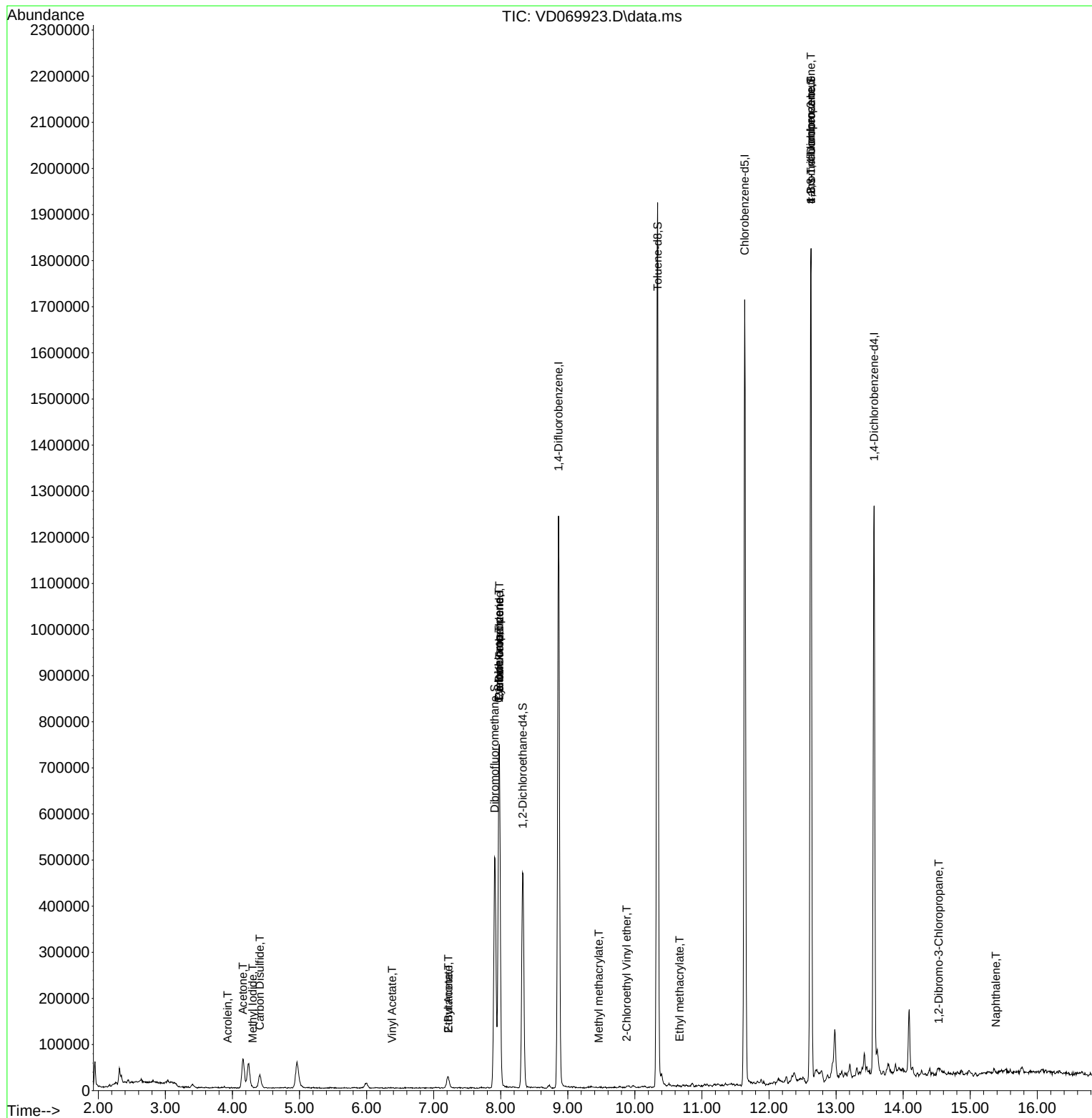
Internal Standards						
1) Pentafluorobenzene	7.979	168	543970	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1046682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	982593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	327471	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	377258	60.302	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.600%			
35) Dibromofluoromethane	7.908	113	367663	55.721	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.440%			
50) Toluene-d8	10.338	98	1320322	51.894	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.780%			
62) 4-Bromofluorobenzene	12.626	95	416206	48.948	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.900%			
Target Compounds			Qvalue			
5) Bromomethane	2.779	94	1678	Below Cal	#	66
10) Methyl Iodide	4.303	142	345	3.510	ug/l #	59
13) Acrolein	3.926	56	814	1.796	ug/l #	74
16) Acetone	4.156	43	110763	98.007	ug/l	100
17) Carbon Disulfide	4.409	76	59013	2.652	ug/l	100
20) Methylene Chloride	4.956	84	43365	Below Cal		87
23) Vinyl Acetate	6.379	43	80	20.356	ug/l #	71
25) 2-Butanone	7.220	43	38803	25.318	ug/l	91
31) Cyclohexane	7.973	56	13438	1.099	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	48840	4.324	ug/l #	48
37) Ethyl Acetate	7.220	43	38803	9.436	ug/l #	67
38) Carbon Tetrachloride	7.979	117	56612	5.487	ug/l #	16
48) Methyl methacrylate	9.461	41	84	2.767	ug/l #	63
56) Ethyl methacrylate	10.667	69	786	3.994	ug/l #	71
58) 2-Chloroethyl Vinyl ether	9.879	63	61	20.887	ug/l #	48
76) 1,2,3-Trichloropropane	12.626	75	212145	60.948	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	212145	184.899	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.532	75	2385	3.525	ug/l #	13
95) Naphthalene	15.385	128	1201	5.100	ug/l #	74

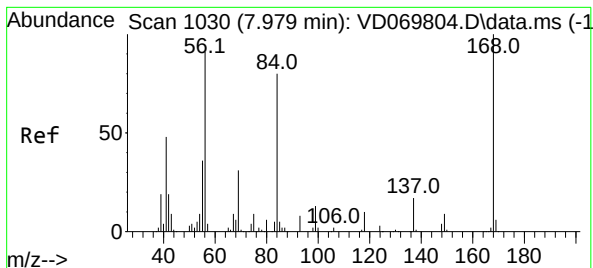
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VD069923.D

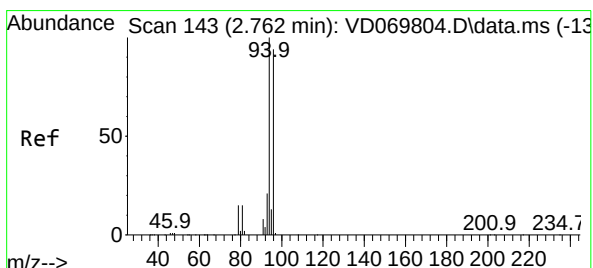
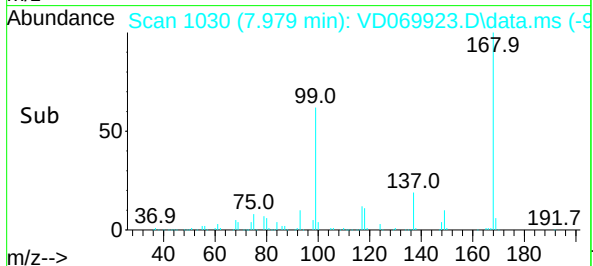
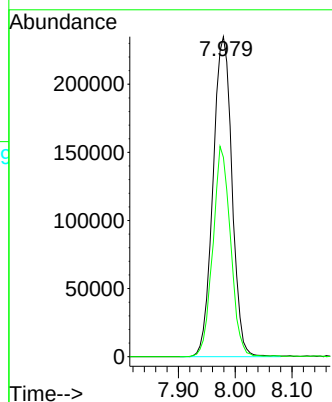
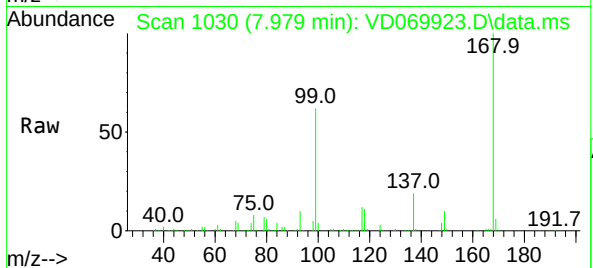
Acq: 29 Jul 2021 20:47

Tgt Ion:168 Resp: 543970

Ion Ratio Lower Upper

168 100

99 62.3 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.017 min

Lab File: VD069923.D

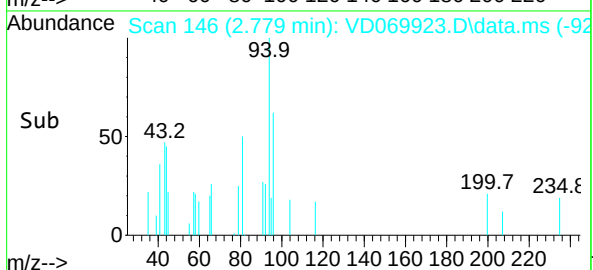
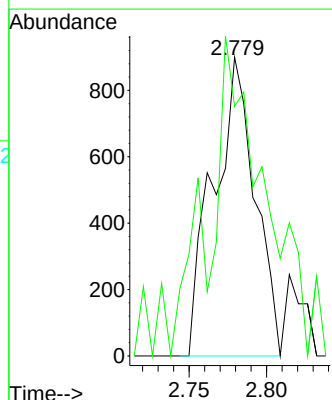
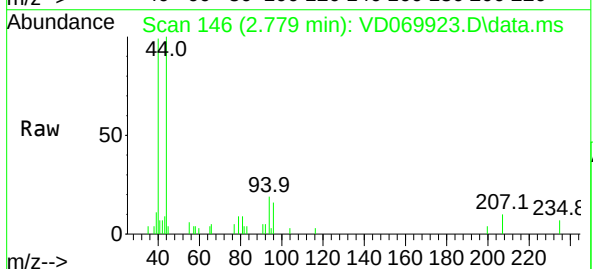
Acq: 29 Jul 2021 20:47

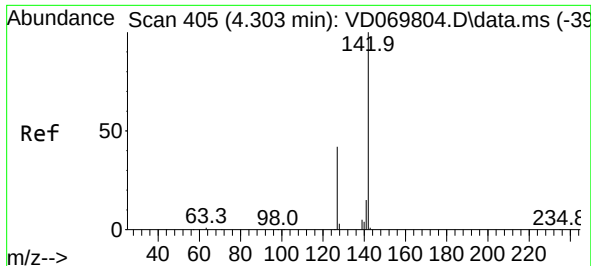
Tgt Ion: 94 Resp: 1678

Ion Ratio Lower Upper

94 100

96 61.0 74.8 112.2#

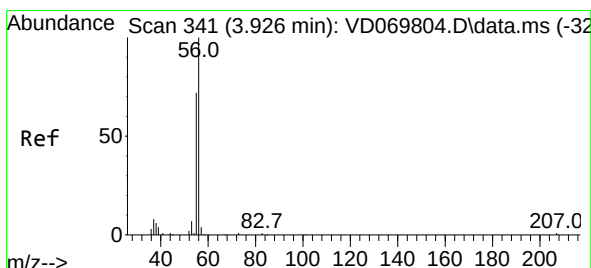
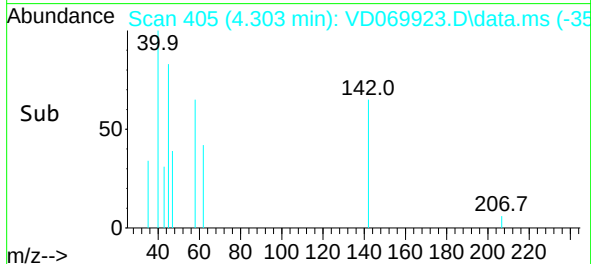
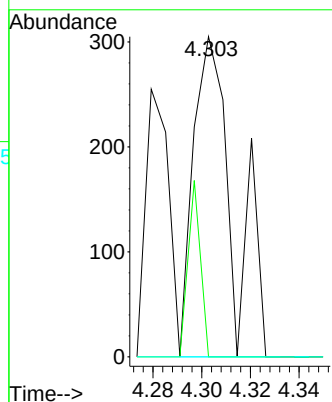
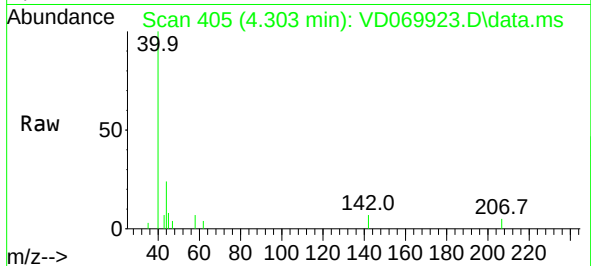




#10
Methyl Iodide
Concen: 3.510 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD069923.D
Acq: 29 Jul 2021 20:47

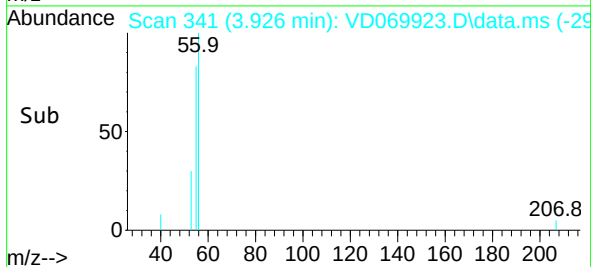
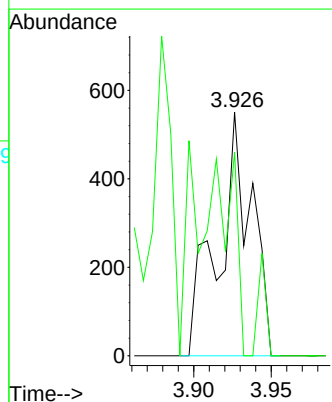
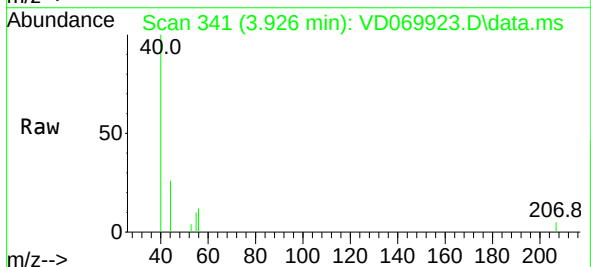
Instrument :
MSVOA_D
ClientSampleId :

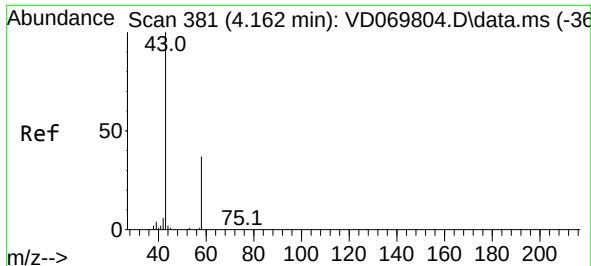
Tgt Ion:142 Resp: 345
Ion Ratio Lower Upper
142 100
127 17.1 35.7 53.5#
141 0.0 12.0 18.0#



#13
Acrolein
Concen: 1.796 ug/l
RT: 3.926 min Scan# 341
Delta R.T. -0.000 min
Lab File: VD069923.D
Acq: 29 Jul 2021 20:47

Tgt Ion: 56 Resp: 814
Ion Ratio Lower Upper
56 100
55 49.5 57.2 85.8#

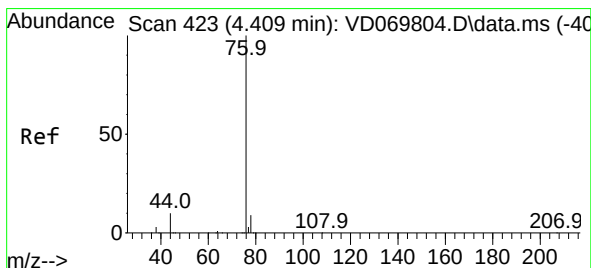
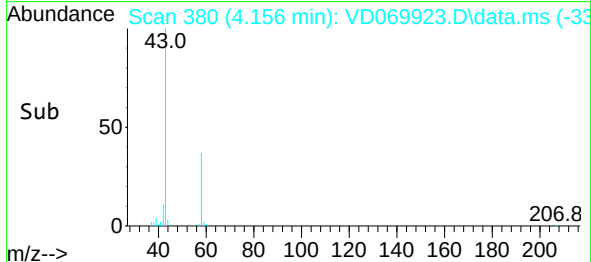
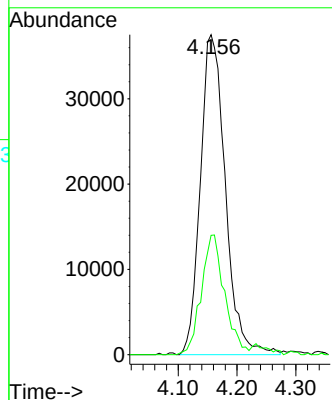
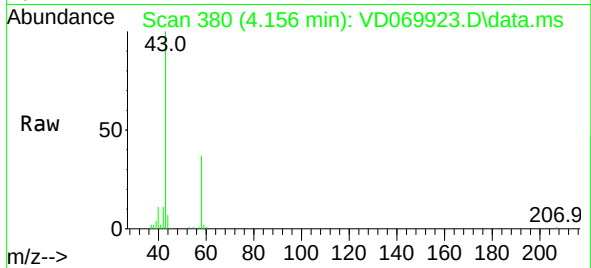




#16
Acetone
Concen: 98.007 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069923.D
Acq: 29 Jul 2021 20:47

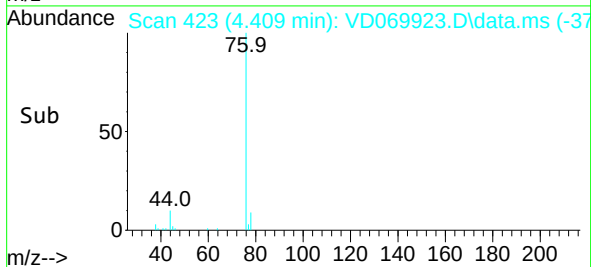
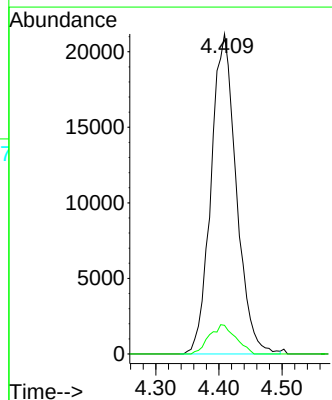
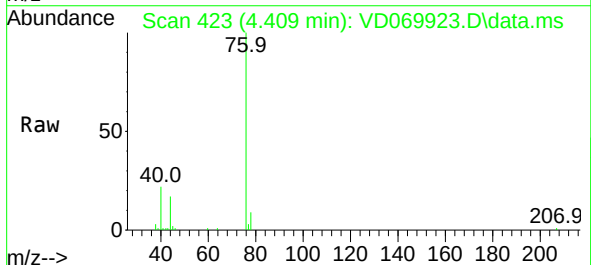
Instrument :
MSVOA_D
ClientSampled :

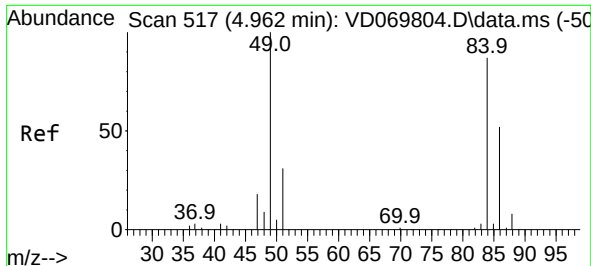
Tgt Ion: 43 Resp: 110763
Ion Ratio Lower Upper
43 100
58 36.8 29.4 44.0



#17
Carbon Disulfide
Concen: 2.652 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069923.D
Acq: 29 Jul 2021 20:47

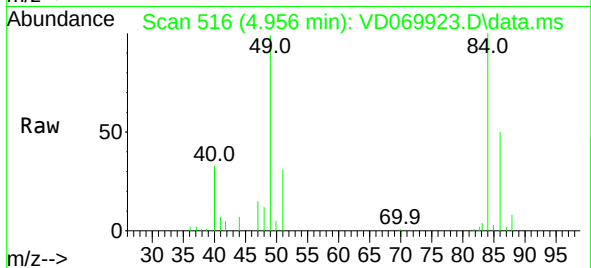
Tgt Ion: 76 Resp: 59013
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



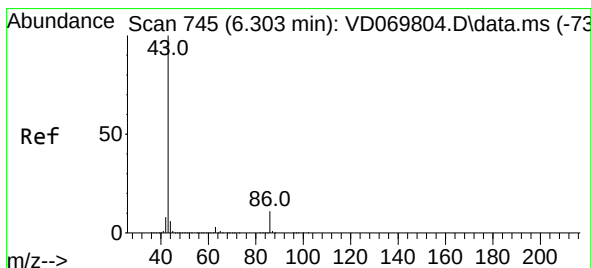
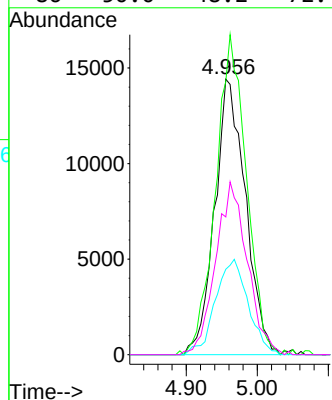


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD069923.D
Acq: 29 Jul 2021 20:47

Instrument :
MSVOA_D
ClientSampleId :

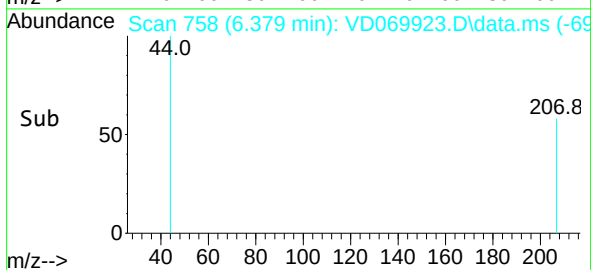
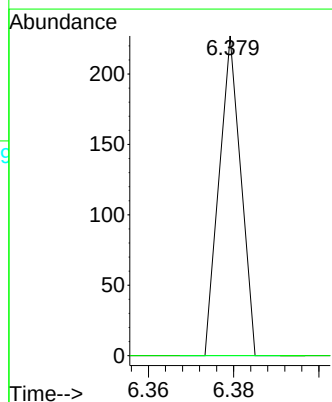
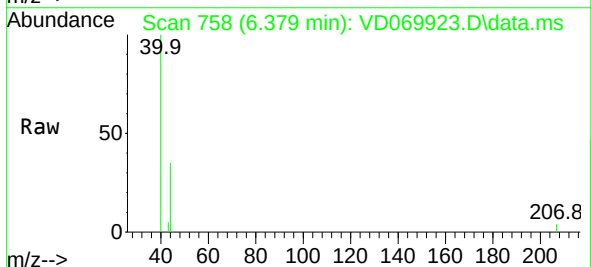


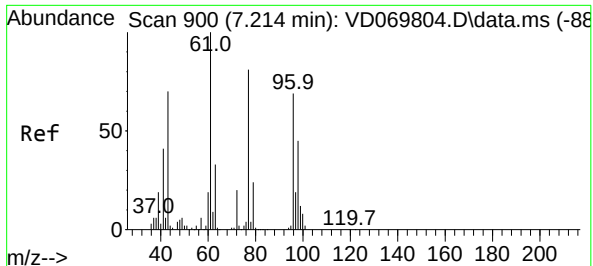
Tgt Ion: 84	Resp: 43365
Ion Ratio	Lower Upper
84 100	
49 99.1	92.4 138.6
51 31.0	28.5 42.7
86 50.0	48.2 72.4



#23
Vinyl Acetate
Concen: 20.356 ug/l
RT: 6.379 min Scan# 758
Delta R.T. 0.076 min
Lab File: VD069923.D
Acq: 29 Jul 2021 20:47

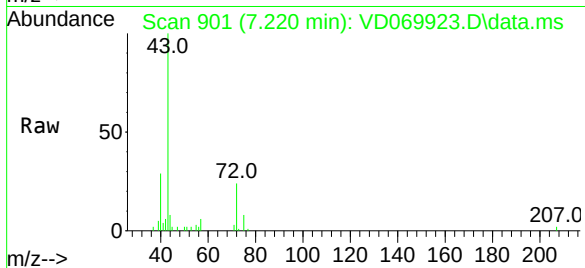
Tgt Ion: 43	Resp: 80
Ion Ratio	Lower Upper
43 100	
86 0.0	8.6 13.0#



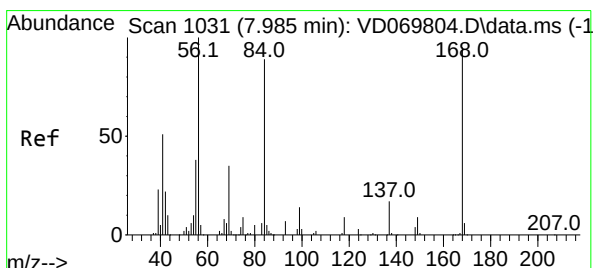
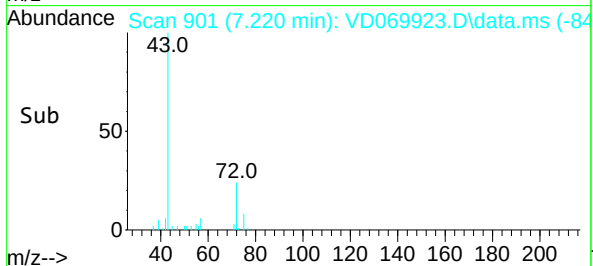
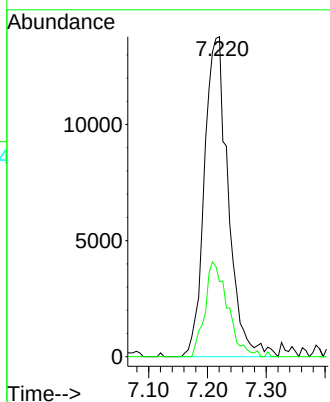


#25
2-Butanone
Concen: 25.318 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD069923.D
Acq: 29 Jul 2021 20:47

Instrument :
MSVOA_D
ClientSampled :

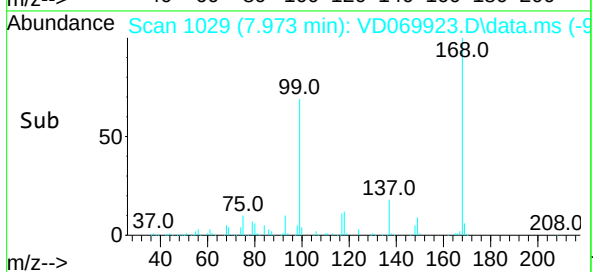
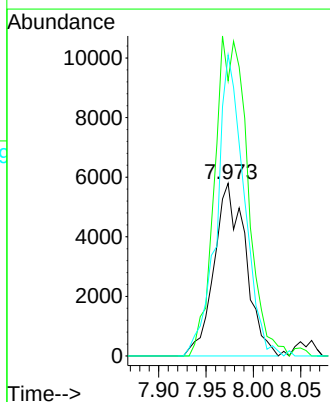
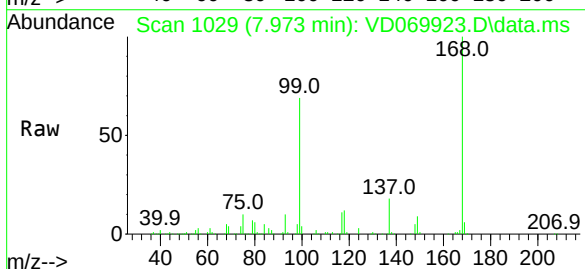


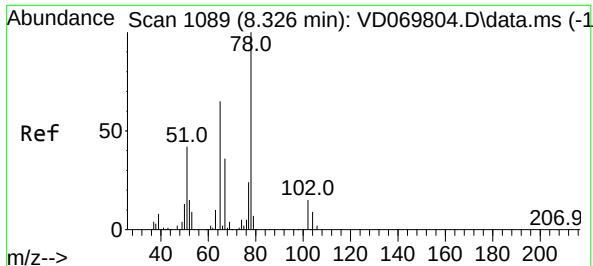
Tgt Ion: 43 Resp: 38803
Ion Ratio Lower Upper
43 100
72 23.5 22.8 34.2



#31
Cyclohexane
Concen: 1.099 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069923.D
Acq: 29 Jul 2021 20:47

Tgt Ion: 56 Resp: 13438
Ion Ratio Lower Upper
56 100
69 159.4 27.9 41.9#
84 174.4 71.4 107.2#

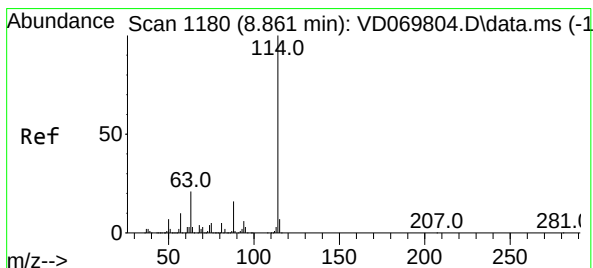
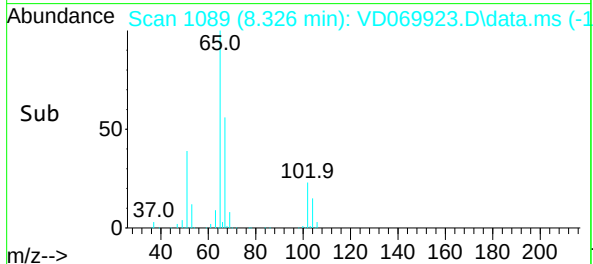
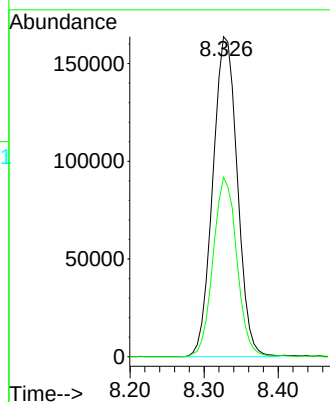
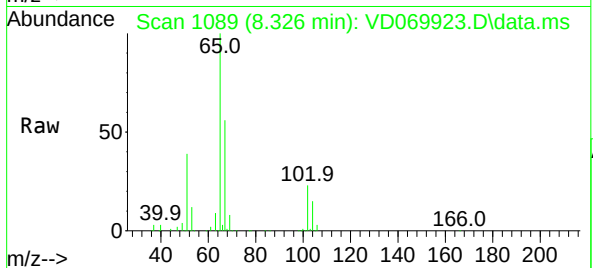




#33
1,2-Dichloroethane-d4
Concen: 60.302 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069923.D
Acq: 29 Jul 2021 20:47

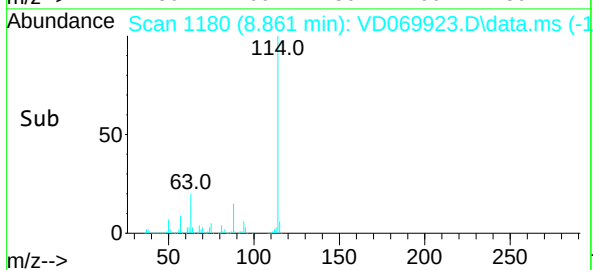
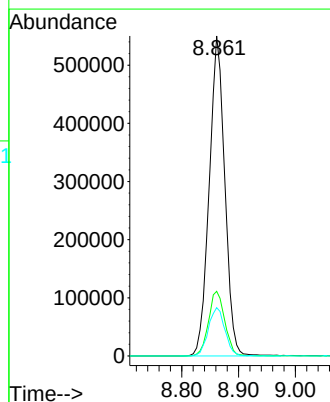
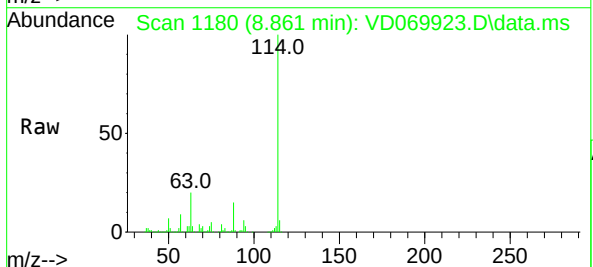
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MSVOA_D
ClientSampleId :

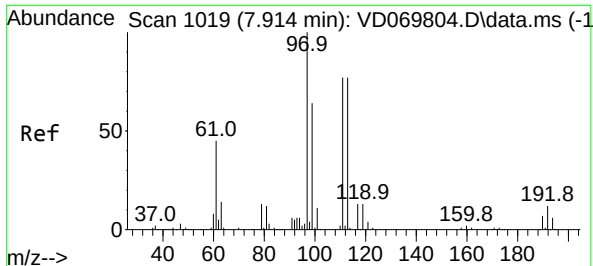
Tgt Ion: 65 Resp: 377258
Ion Ratio Lower Upper
65 100
67 54.0 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069923.D
Acq: 29 Jul 2021 20:47

Tgt Ion:114 Resp: 1046682
Ion Ratio Lower Upper
114 100
63 20.2 0.0 41.6
88 15.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 55.721 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD069923.D

Acq: 29 Jul 2021 20:47

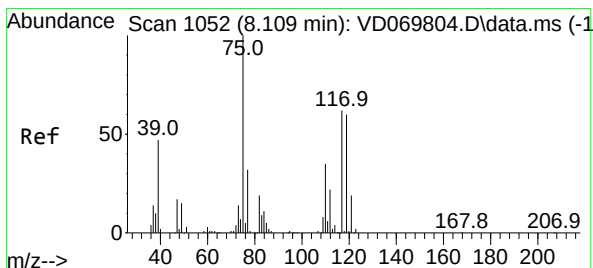
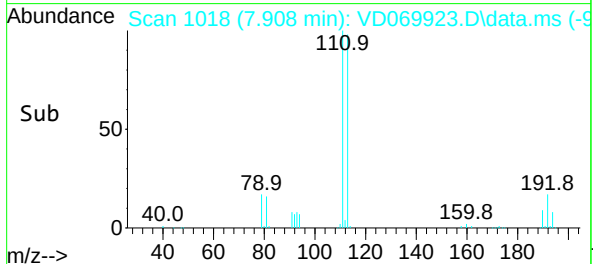
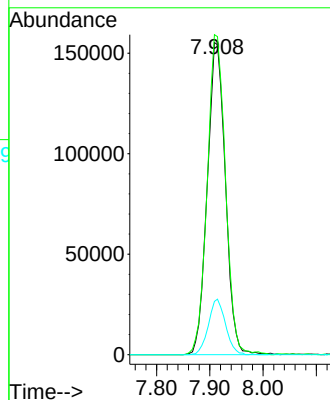
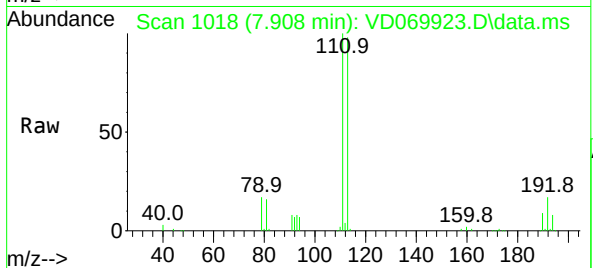
Tgt Ion:113 Resp: 367663

Ion Ratio Lower Upper

113 100

111 103.5 80.5 120.7

192 16.8 12.6 19.0



#36

1,1-Dichloropropene

Concen: 4.324 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD069923.D

Acq: 29 Jul 2021 20:47

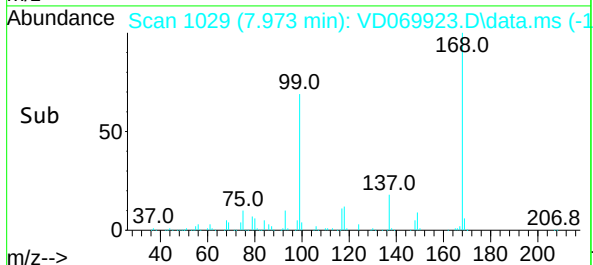
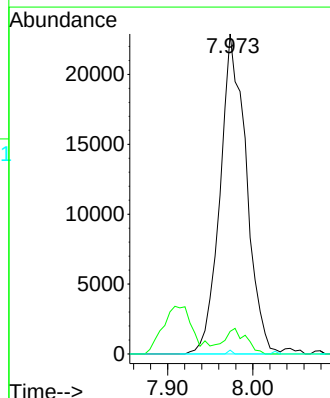
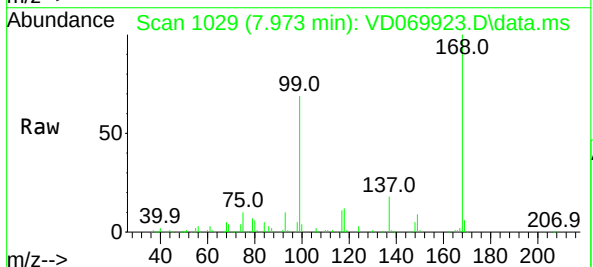
Tgt Ion: 75 Resp: 48840

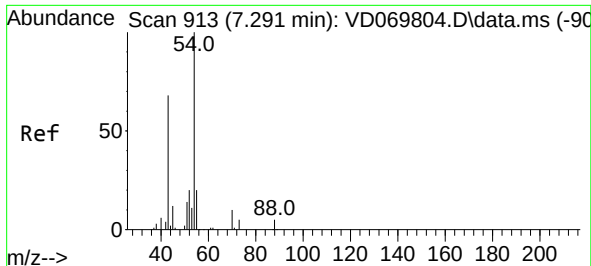
Ion Ratio Lower Upper

75 100

110 6.5 16.9 50.7#

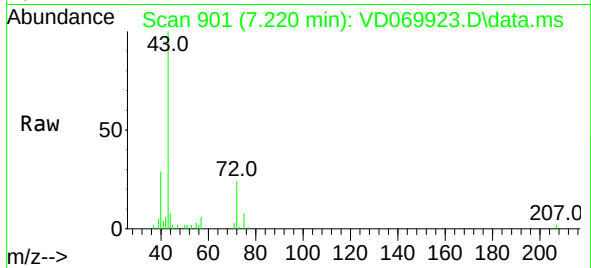
77 0.2 24.9 37.3#



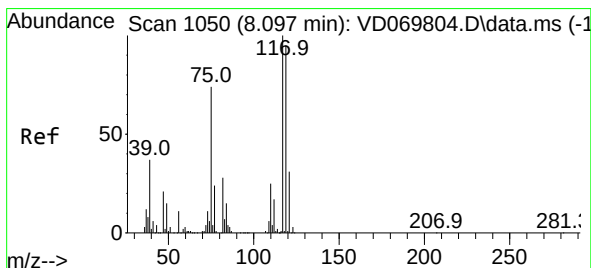
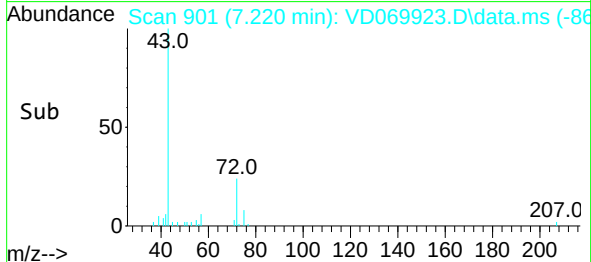
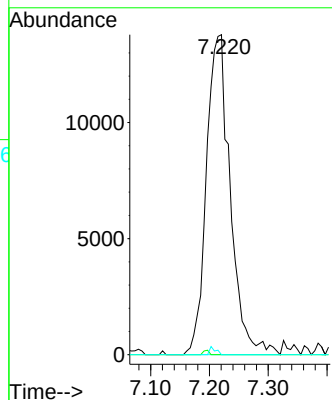


#37
Ethyl Acetate
Concen: 9.436 ug/l
RT: 7.220 min Scan# 901
Delta R.T. -0.071 min
Lab File: VD069923.D
Acq: 29 Jul 2021 20:47

Instrument :
MSVOA_D
ClientSampleId :

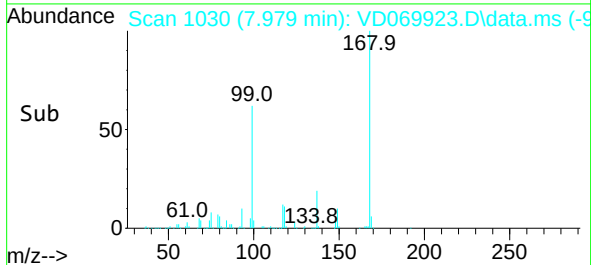
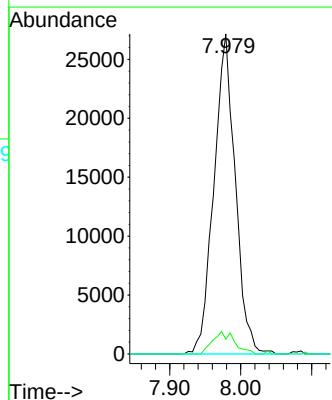
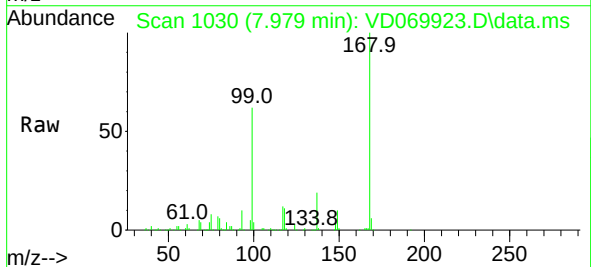


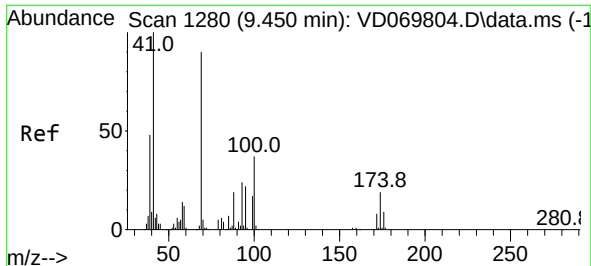
Tgt Ion: 43 Resp: 38803
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.8#
70 0.0 8.9 13.3#



#38
Carbon Tetrachloride
Concen: 5.487 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069923.D
Acq: 29 Jul 2021 20:47

Tgt Ion: 117 Resp: 56612
Ion Ratio Lower Upper
117 100
119 4.6 76.2 114.2#
121 0.0 24.5 36.7#

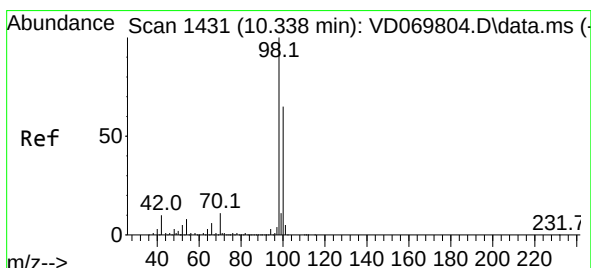
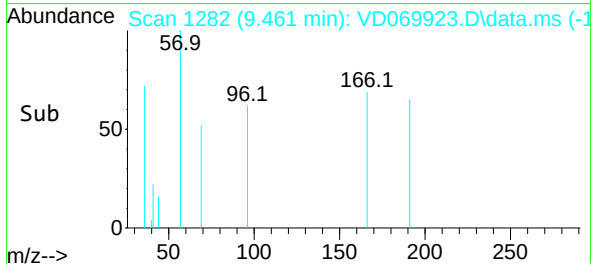
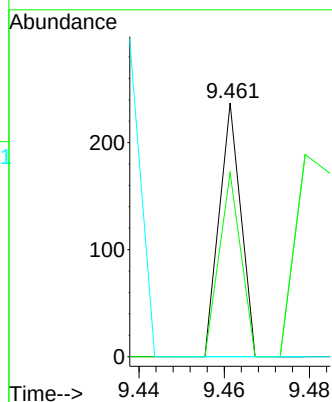
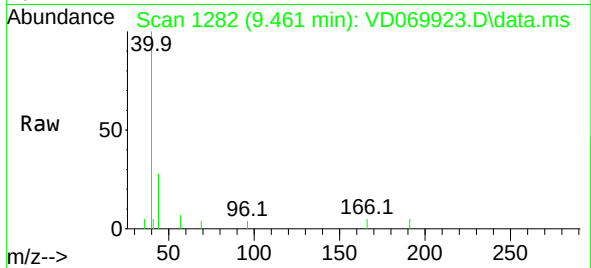




#48
Methyl methacrylate
Concen: 2.767 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. 0.011 min
Lab File: VD069923.D
Acq: 29 Jul 2021 20:47

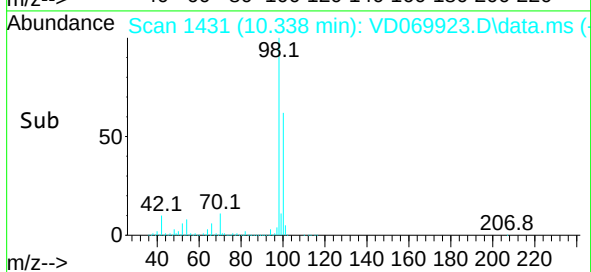
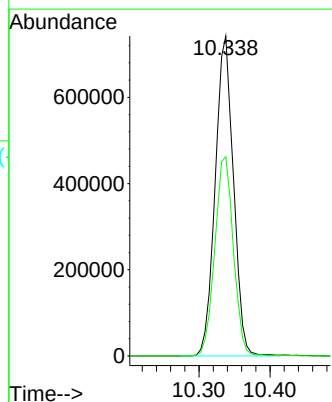
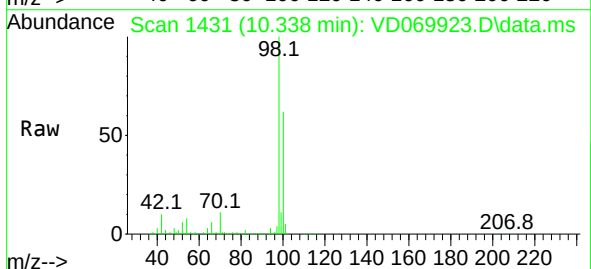
Instrument :
MSVOA_D
ClientSampleId :

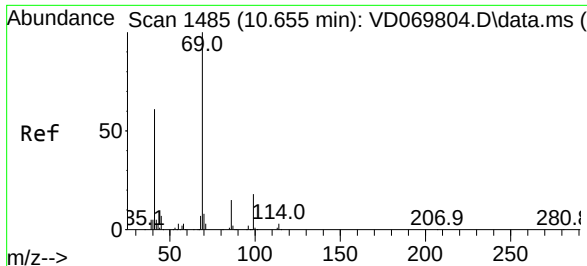
Tgt Ion: 41 Resp: 84
Ion Ratio Lower Upper
41 100
69 72.6 73.4 110.2#
39 0.0 36.6 55.0#



#50
Toluene-d8
Concen: 51.894 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069923.D
Acq: 29 Jul 2021 20:47

Tgt Ion: 98 Resp: 1320322
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9

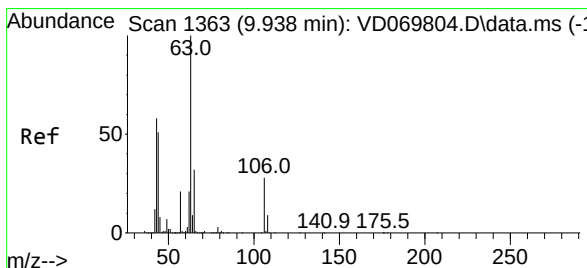
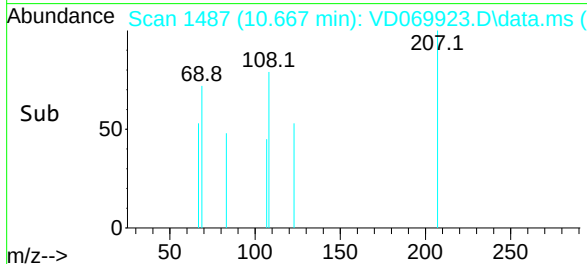
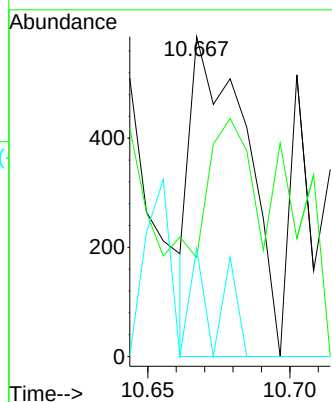
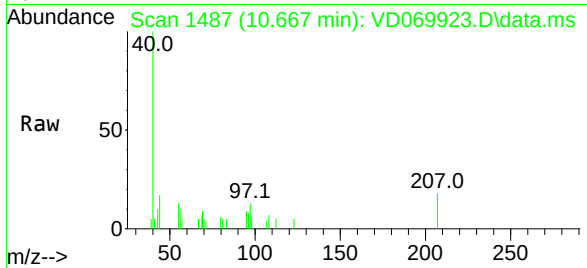




#56
Ethyl methacrylate
Concen: 3.994 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD069923.D
Acq: 29 Jul 2021 20:47

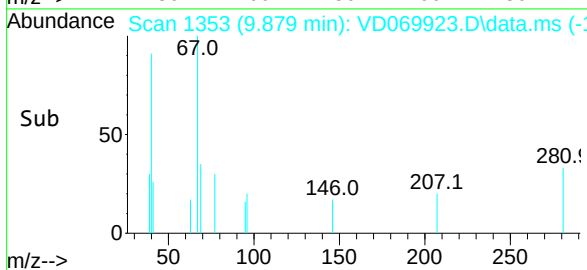
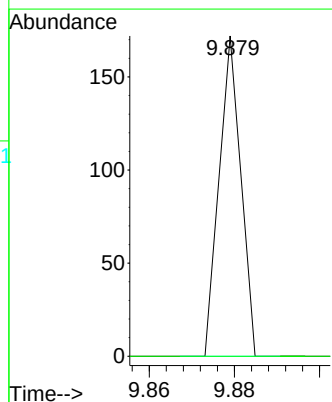
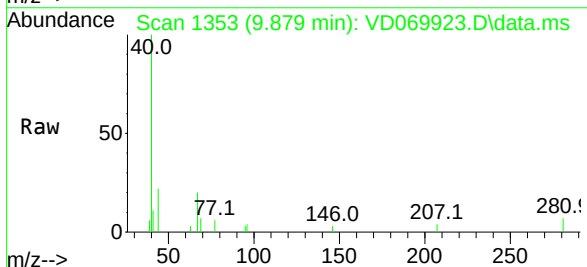
Instrument :
MSVOA_D
ClientSampleId :

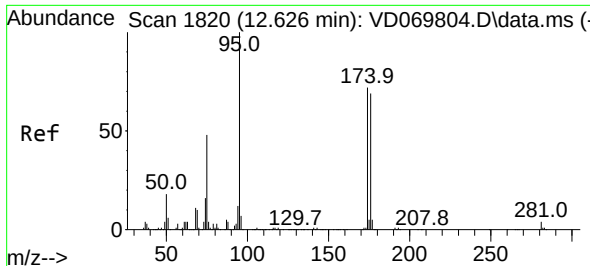
Tgt Ion: 69 Resp: 786
Ion Ratio Lower Upper
69 100
41 48.2 50.2 75.2#
39 0.0 22.0 33.0#



#58
2-Chloroethyl Vinyl ether
Concen: 20.887 ug/l
RT: 9.879 min Scan# 1353
Delta R.T. -0.059 min
Lab File: VD069923.D
Acq: 29 Jul 2021 20:47

Tgt Ion: 63 Resp: 61
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#

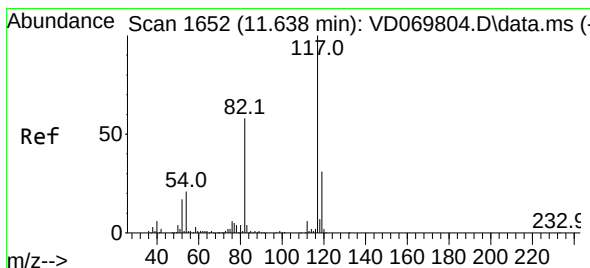
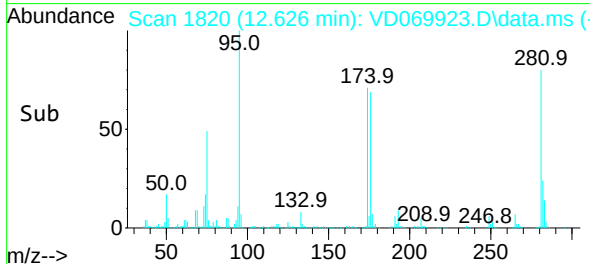
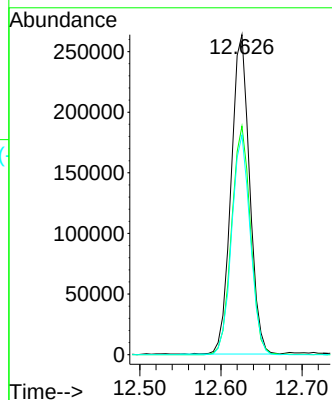
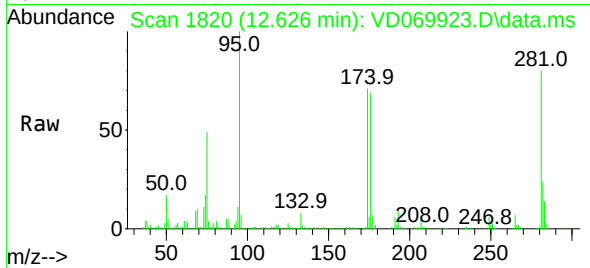




#62
4-Bromofluorobenzene
Concen: 48.948 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069923.D
Acq: 29 Jul 2021 20:47

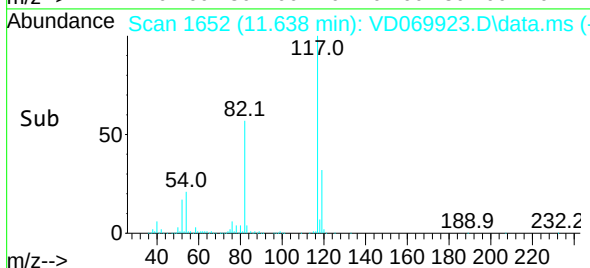
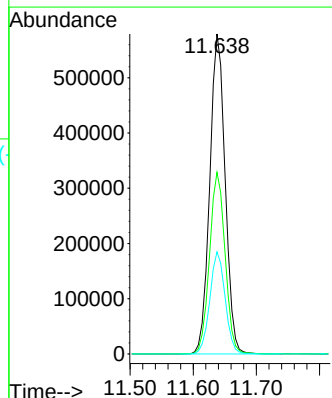
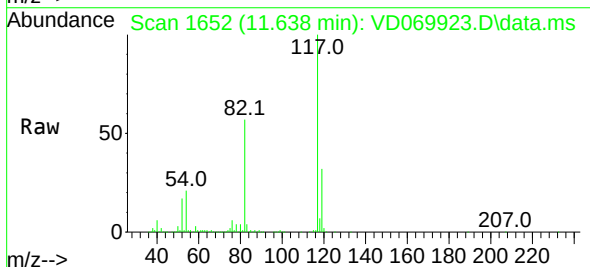
Instrument :
MSVOA_D
ClientSampleId :

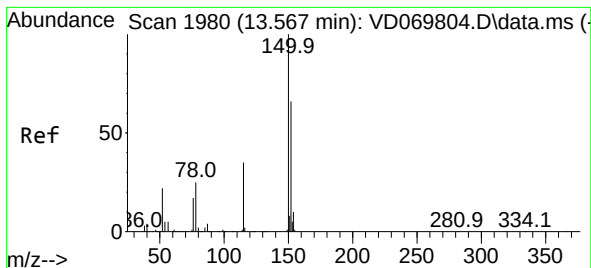
Tgt Ion: 95 Resp: 416206
Ion Ratio Lower Upper
95 100
174 73.1 0.0 142.6
176 69.1 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069923.D
Acq: 29 Jul 2021 20:47

Tgt Ion: 117 Resp: 982593
Ion Ratio Lower Upper
117 100
82 56.7 46.3 69.5
119 31.9 24.7 37.1

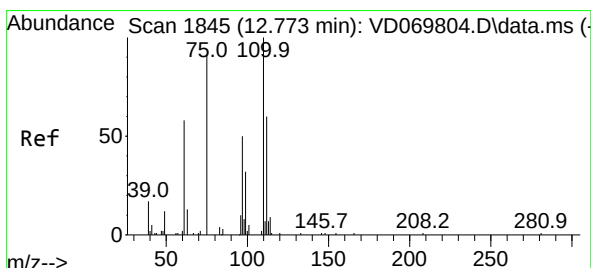
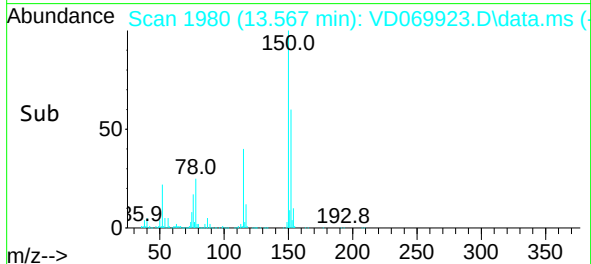
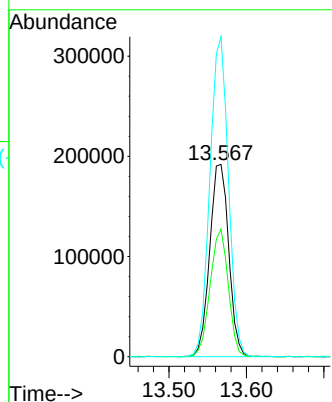
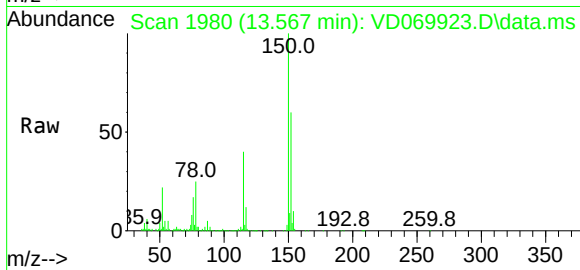




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069923.D
 Acq: 29 Jul 2021 20:47

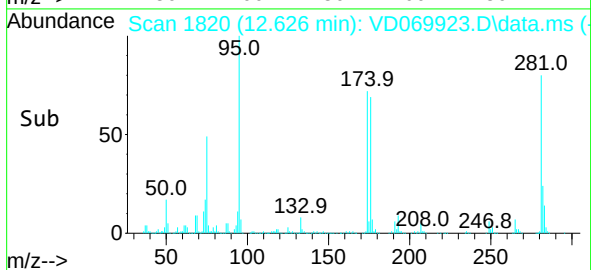
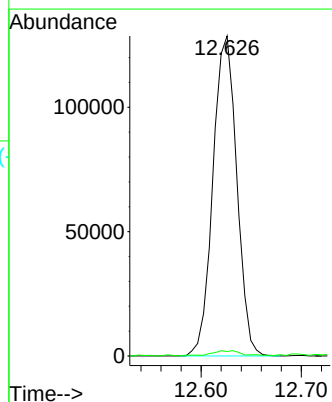
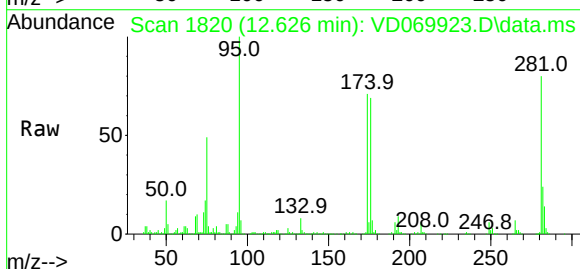
Instrument :
 MSVOA_D
 ClientSampleId :

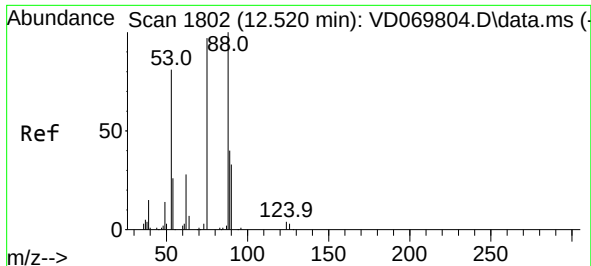
Tgt Ion:152 Resp: 327471
 Ion Ratio Lower Upper
 152 100
 115 63.3 31.1 93.3
 150 161.5 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 60.948 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069923.D
 Acq: 29 Jul 2021 20:47

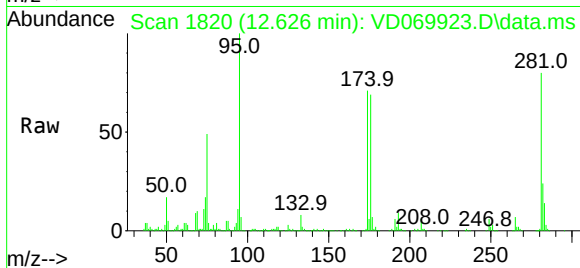
Tgt Ion: 75 Resp: 212145
 Ion Ratio Lower Upper
 75 100
 77 2.2 181.5 544.5#



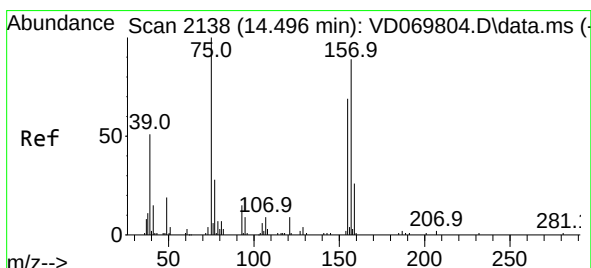
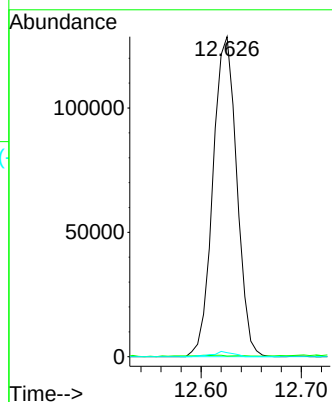
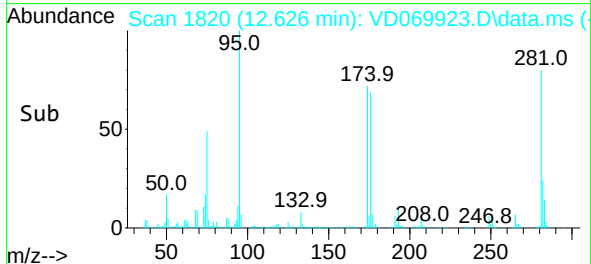


#81
trans-1,4-Dichloro-2-butene
Concen: 184.899 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069923.D
Acq: 29 Jul 2021 20:47

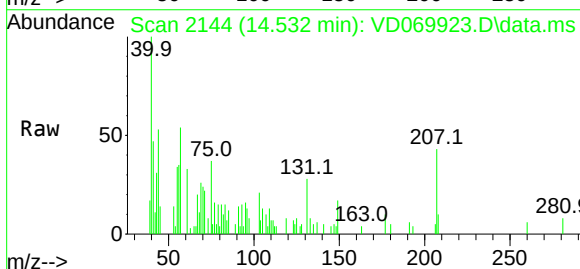
Instrument :
MSVOA_D
ClientSampleId :



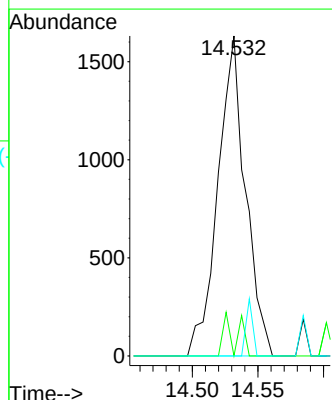
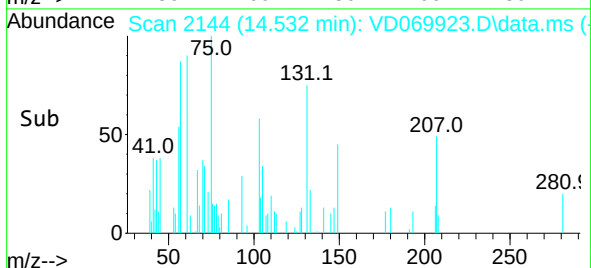
Tgt Ion: 75 Resp: 212145
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 1.4 35.8 53.6#

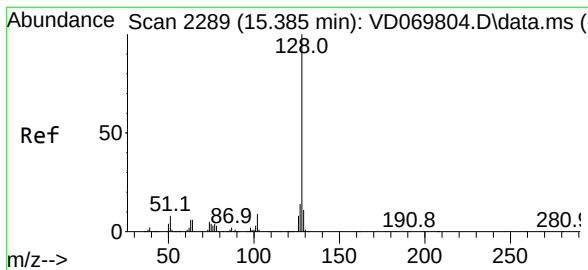


#92
1,2-Dibromo-3-Chloropropane
Concen: 3.525 ug/l
RT: 14.532 min Scan# 2144
Delta R.T. 0.035 min
Lab File: VD069923.D
Acq: 29 Jul 2021 20:47



Tgt Ion: 75 Resp: 2385
Ion Ratio Lower Upper
75 100
155 6.3 36.3 108.9#
157 4.3 47.0 141.0#





#95
Naphthalene
Concen: 5.100 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD069923.D
Acq: 29 Jul 2021 20:47

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 1201
Ion Ratio Lower Upper
128 100
127 16.7 10.6 16.0#
129 28.7 8.6 12.8#

