

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081121\
 Data File : VD070028.D
 Acq On : 11 Aug 2021 17:30
 Operator : VA/SY
 Sample : M3334-01RE
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 12 05:31:06 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)

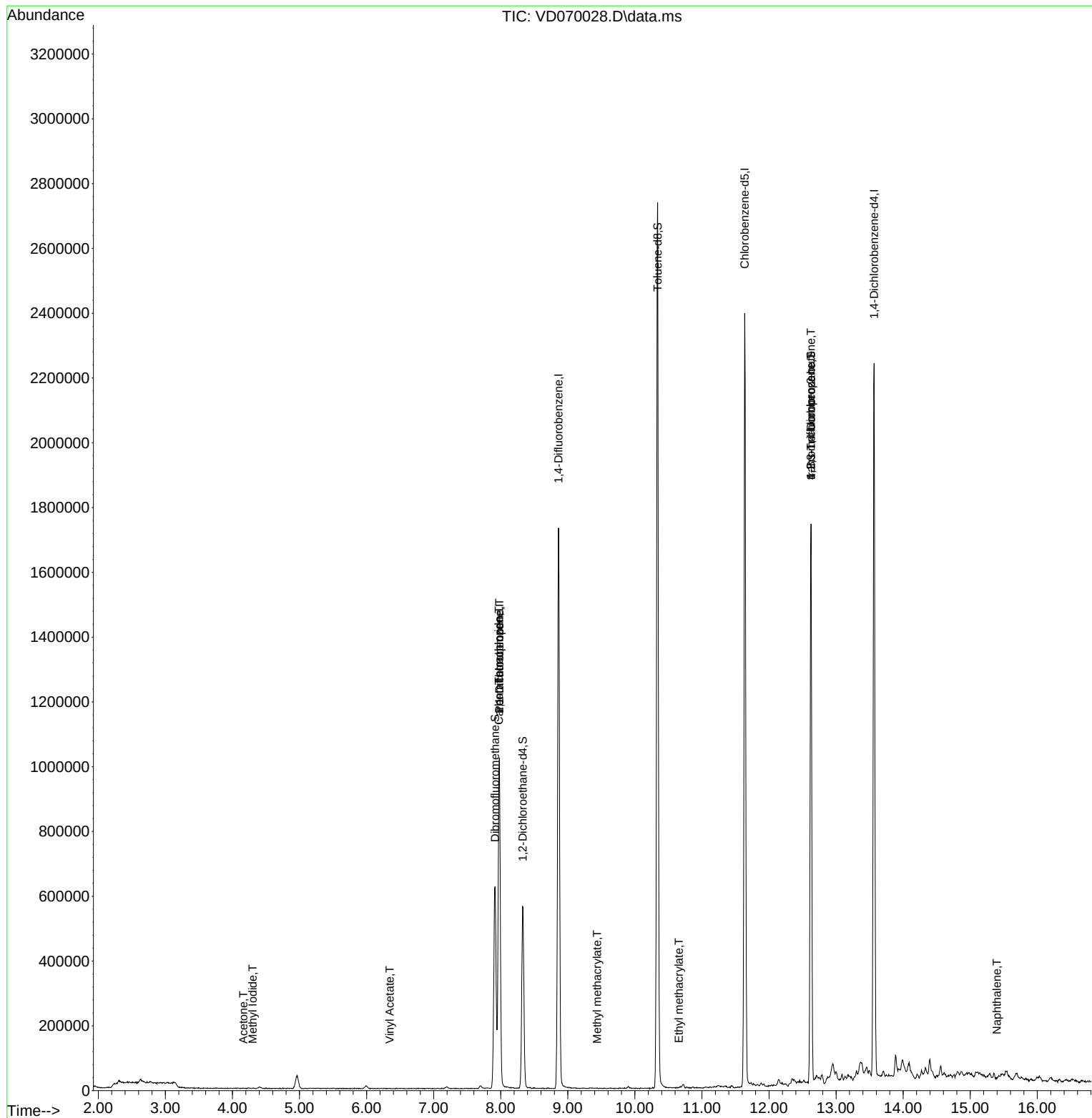
Internal Standards						
1) Pentafluorobenzene	7.979	168	740380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1484538	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1375762	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	595676	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	450249	52.877	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.760%			
35) Dibromofluoromethane	7.914	113	476446	50.910	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.820%			
50) Toluene-d8	10.338	98	1888487	52.333	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.660%			
62) 4-Bromofluorobenzene	12.626	95	614373	50.943	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.880%			
Target Compounds						Qvalue
5) Bromomethane	2.779	94	2922	Below Cal		99
10) Methyl Iodide	4.303	142	1094	3.573 ug/l #		50
16) Acetone	4.162	43	2513	1.634 ug/l		97
20) Methylene Chloride	4.967	84	32924	Below Cal		92
23) Vinyl Acetate	6.344	43	65	20.353 ug/l #		71
36) 1,1-Dichloropropene	7.979	75	62149	3.879 ug/l #		50
38) Carbon Tetrachloride	7.973	117	77606	5.303 ug/l #		18
48) Methyl methacrylate	9.438	41	123	2.768 ug/l #		55
56) Ethyl methacrylate	10.655	69	483	3.938 ug/l #		88
76) 1,2,3-Trichloropropane	12.626	75	300083	47.395 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	300083	143.782 ug/l #		16
95) Naphthalene	15.396	128	1294	5.058 ug/l #		84

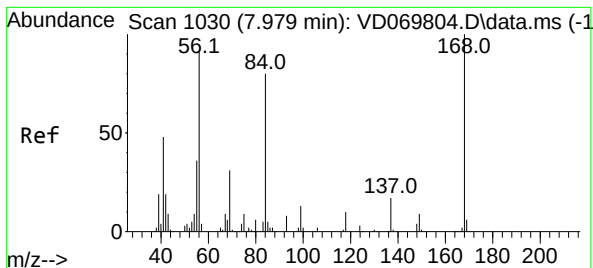
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD070028.D

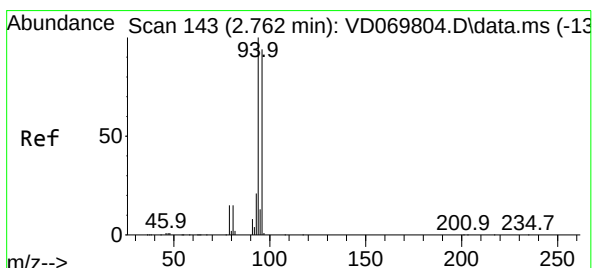
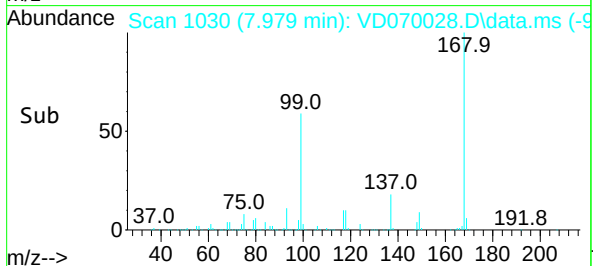
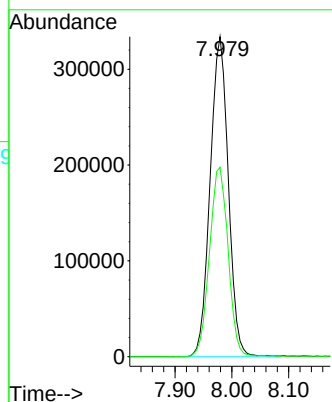
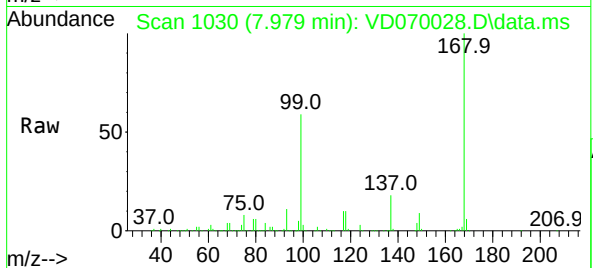
Acq: 11 Aug 2021 17:30

Tgt Ion:168 Resp: 740380

Ion Ratio Lower Upper

168 100

99 59.2 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.017 min

Lab File: VD070028.D

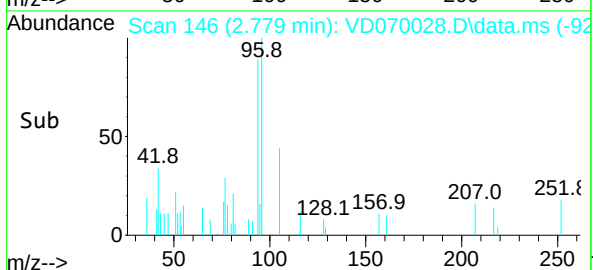
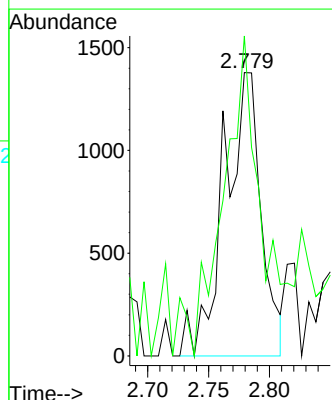
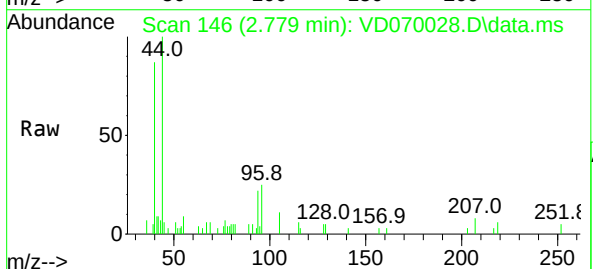
Acq: 11 Aug 2021 17:30

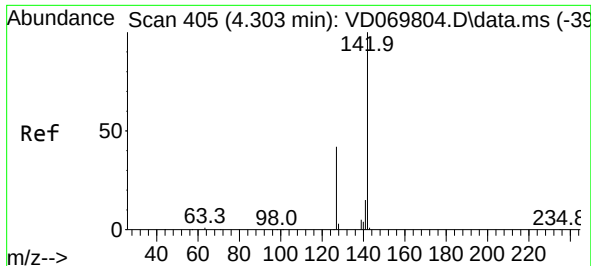
Tgt Ion: 94 Resp: 2922

Ion Ratio Lower Upper

94 100

96 92.4 74.8 112.2

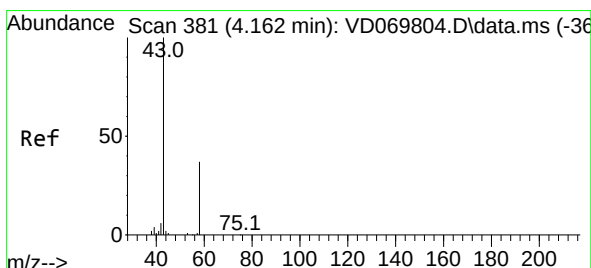
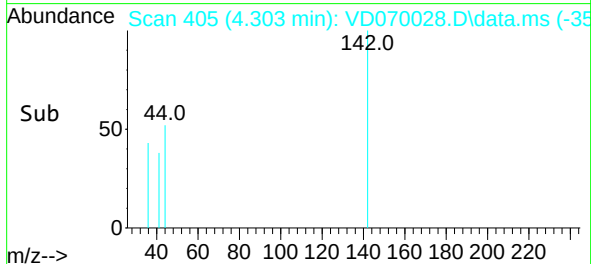
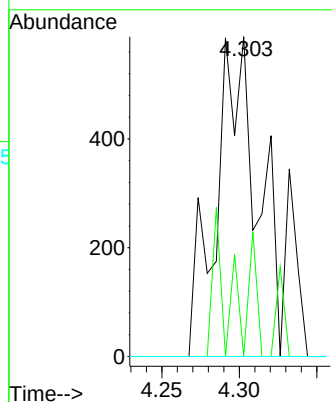
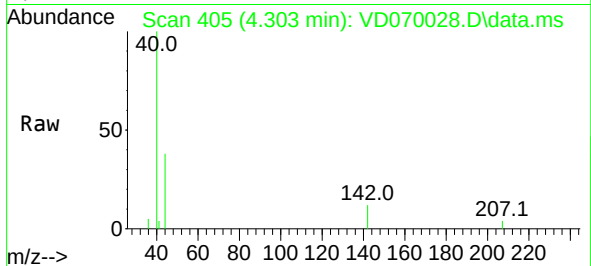




#10
Methyl Iodide
Concen: 3.573 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD070028.D
Acq: 11 Aug 2021 17:30

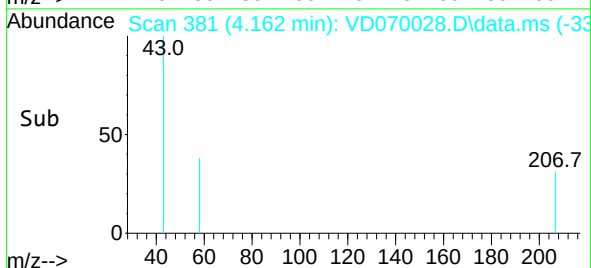
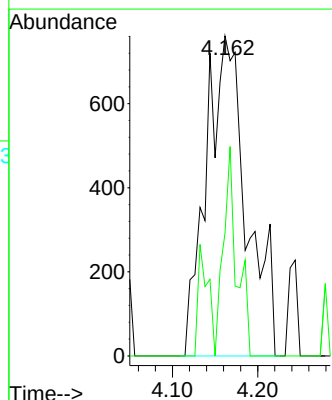
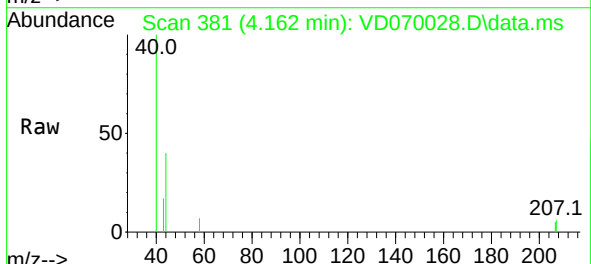
Instrument :
MSVOA_D
ClientSampleId :

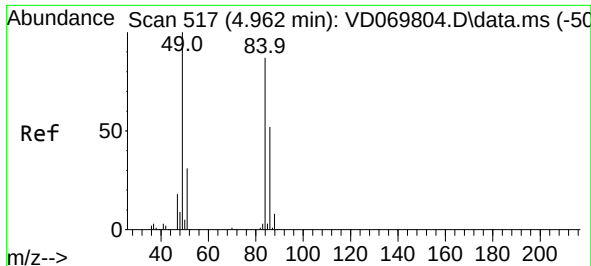
Tgt Ion:142 Resp: 1094
Ion Ratio Lower Upper
142 100
127 8.9 35.7 53.5#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 1.634 ug/l
RT: 4.162 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD070028.D
Acq: 11 Aug 2021 17:30

Tgt Ion: 43 Resp: 2513
Ion Ratio Lower Upper
43 100
58 38.4 29.4 44.0





#20

Methylene Chloride

Concen: Below Cal

RT: 4.967 min Scan# 518

Delta R.T. 0.005 min

Lab File: VD070028.D

Acq: 11 Aug 2021 17:30

Tgt Ion: 84 Resp: 32924

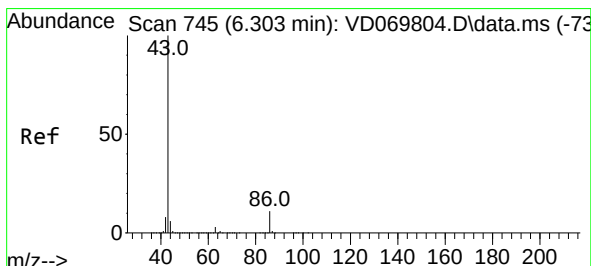
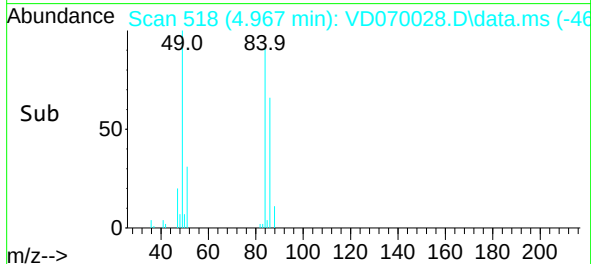
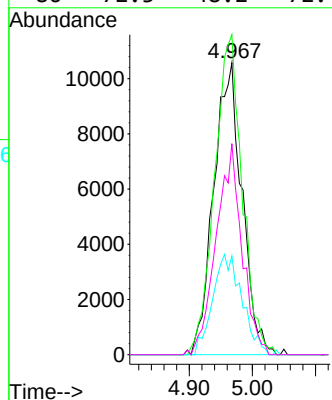
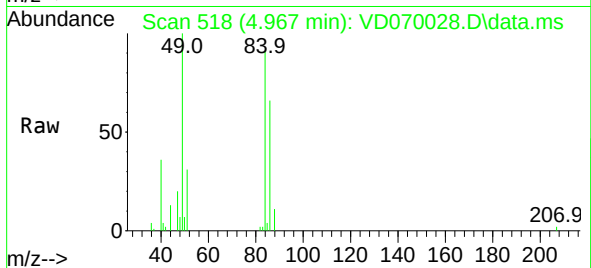
Ion Ratio Lower Upper

84 100

49 109.7 92.4 138.6

51 33.8 28.5 42.7

86 72.3 48.2 72.4



#23

Vinyl Acetate

Concen: 20.353 ug/l

RT: 6.344 min Scan# 752

Delta R.T. 0.041 min

Lab File: VD070028.D

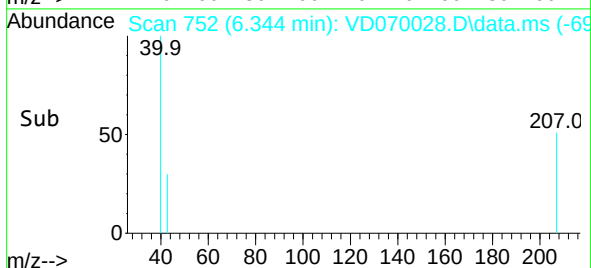
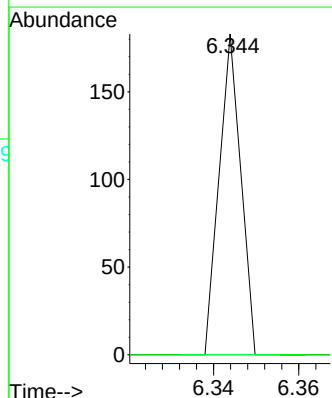
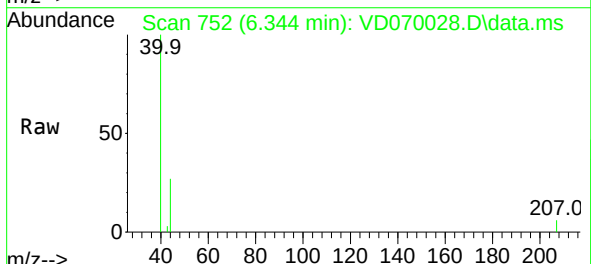
Acq: 11 Aug 2021 17:30

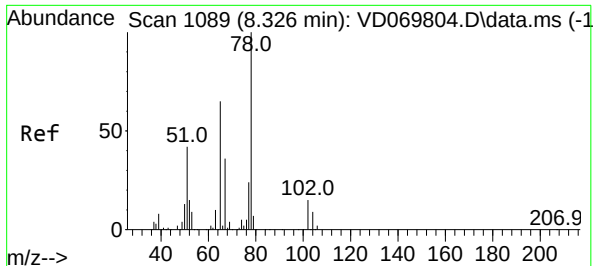
Tgt Ion: 43 Resp: 65

Ion Ratio Lower Upper

43 100

86 0.0 8.6 13.0#





#33

1,2-Dichloroethane-d4

Concen: 52.877 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

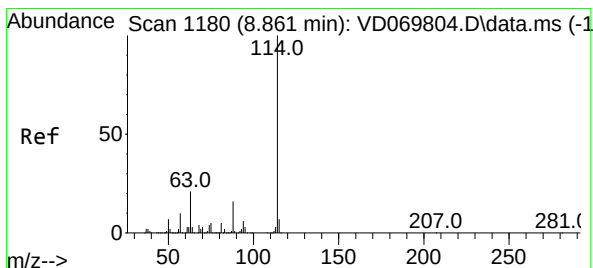
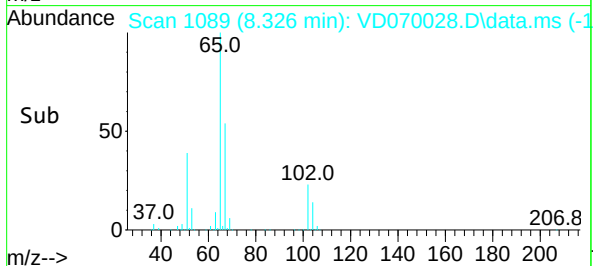
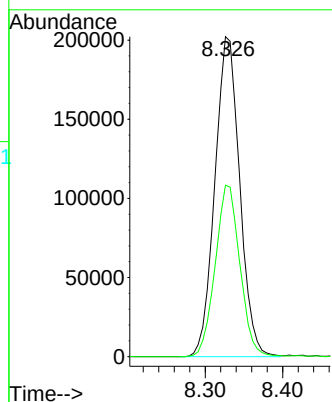
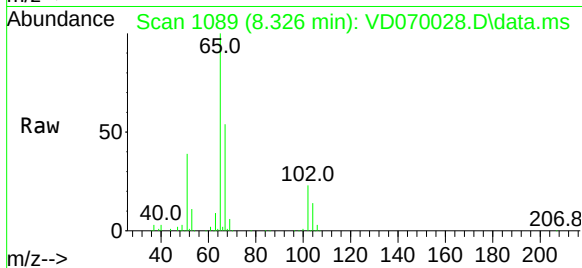
Lab File: VD070028.D

Acq: 11 Aug 2021 17:30

Tgt Ion: 65 Resp: 450249

Ion Ratio Lower Upper

65	100		
67	53.2	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

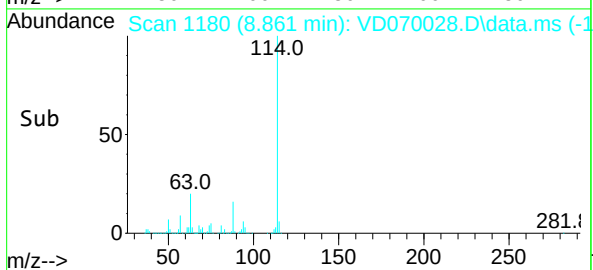
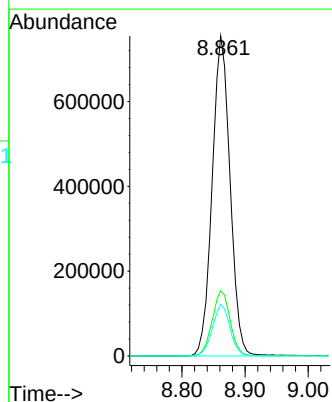
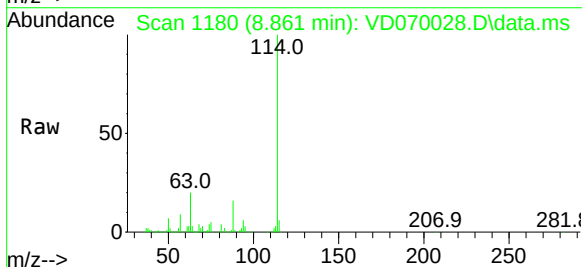
Lab File: VD070028.D

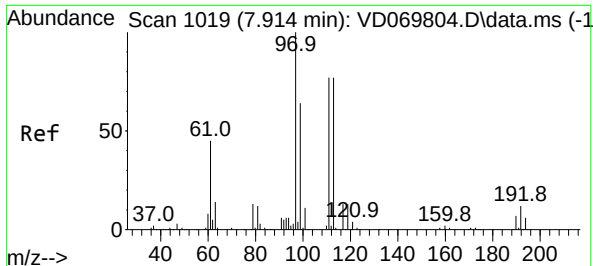
Acq: 11 Aug 2021 17:30

Tgt Ion: 114 Resp: 1484538

Ion Ratio Lower Upper

114	100		
63	20.4	0.0	41.6
88	16.1	0.0	31.4



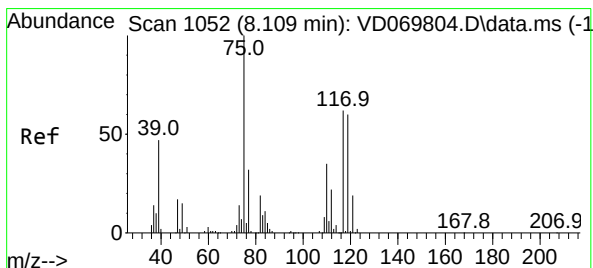
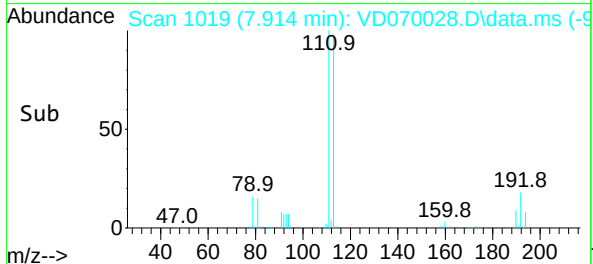
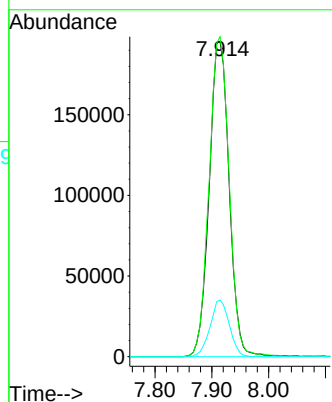
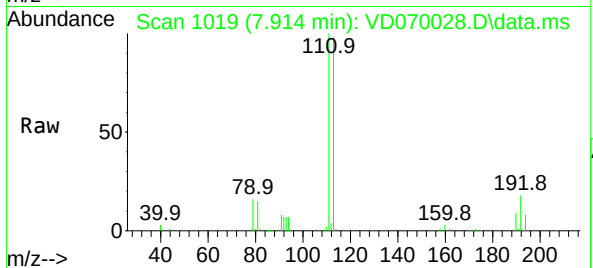


#35

Dibromofluoromethane
Concen: 50.910 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070028.D
Acq: 11 Aug 2021 17:30

Instrument :
MSVOA_D
ClientSampleId :

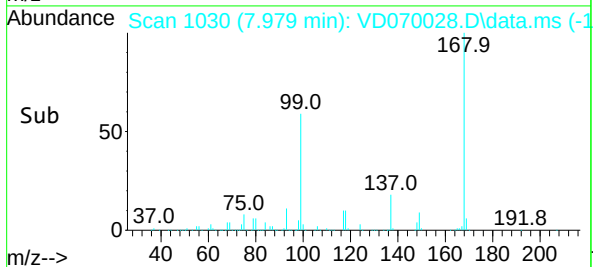
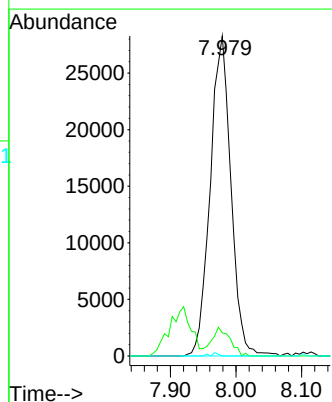
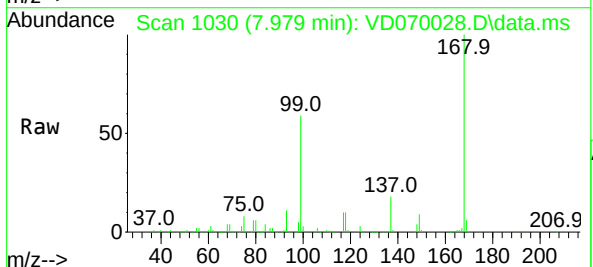
Tgt Ion:113 Resp: 476446
Ion Ratio Lower Upper
113 100
111 102.0 80.5 120.7
192 17.3 12.6 19.0

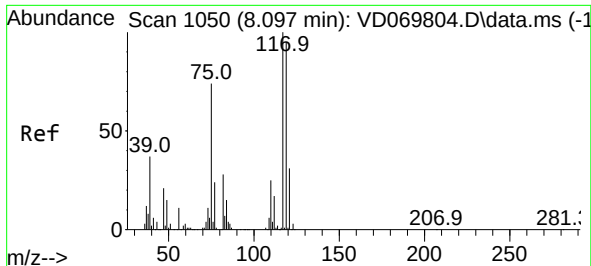


#36

1,1-Dichloropropene
Concen: 3.879 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070028.D
Acq: 11 Aug 2021 17:30

Tgt Ion: 75 Resp: 62149
Ion Ratio Lower Upper
75 100
110 7.8 16.9 50.7#
77 0.3 24.9 37.3#

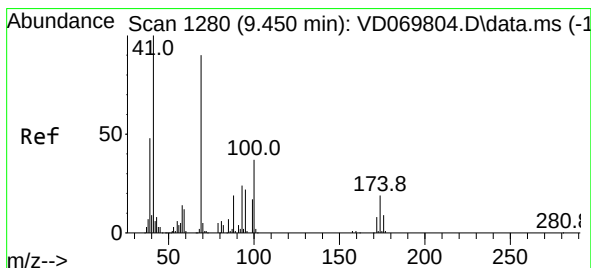
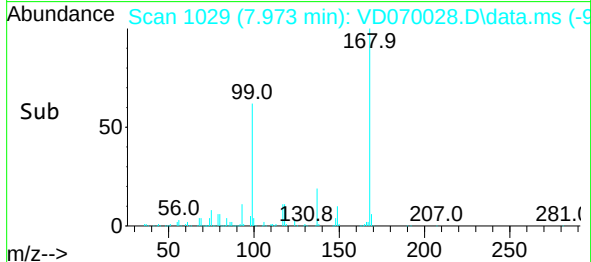
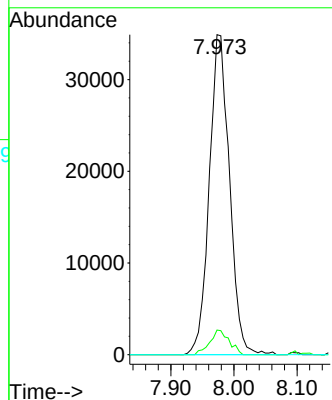
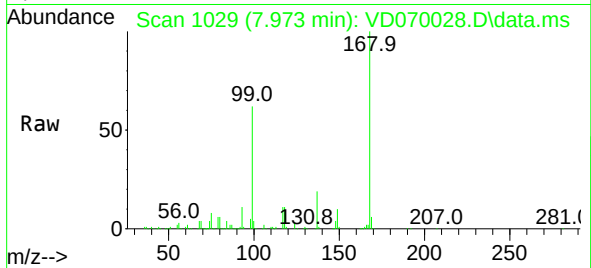




#38
Carbon Tetrachloride
Concen: 5.303 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070028.D
Acq: 11 Aug 2021 17:30

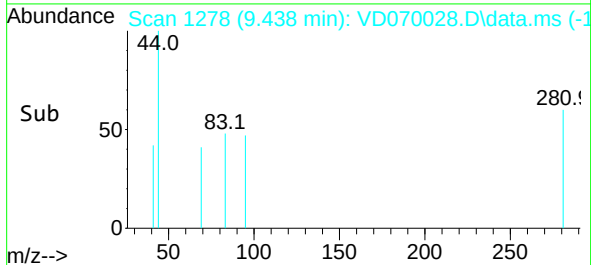
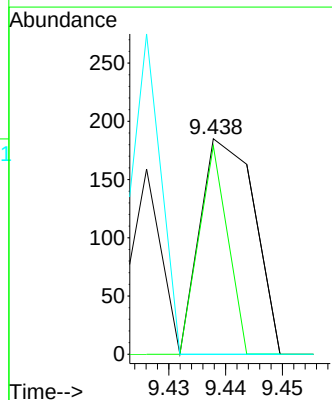
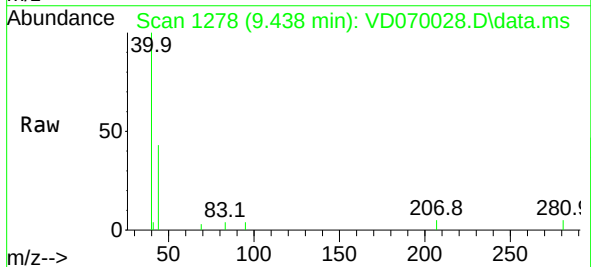
Instrument :
MSVOA_D
ClientSampleId :

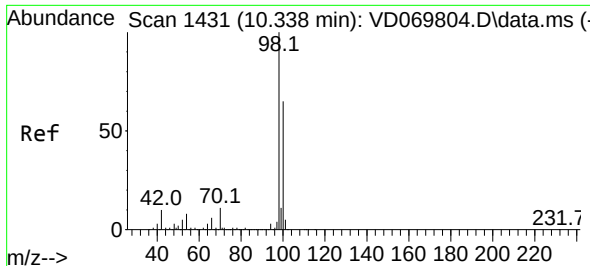
Tgt Ion:117 Resp: 77606
Ion Ratio Lower Upper
117 100
119 7.7 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.768 ug/l
RT: 9.438 min Scan# 1278
Delta R.T. -0.012 min
Lab File: VD070028.D
Acq: 11 Aug 2021 17:30

Tgt Ion: 41 Resp: 123
Ion Ratio Lower Upper
41 100
69 51.2 73.4 110.2#
39 78.9 36.6 55.0#

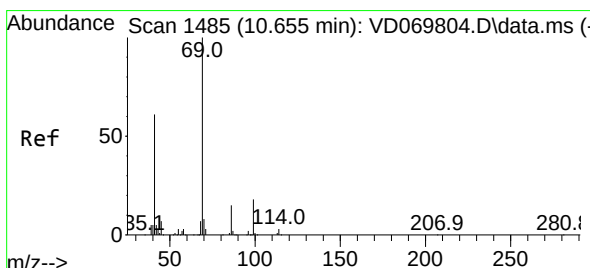
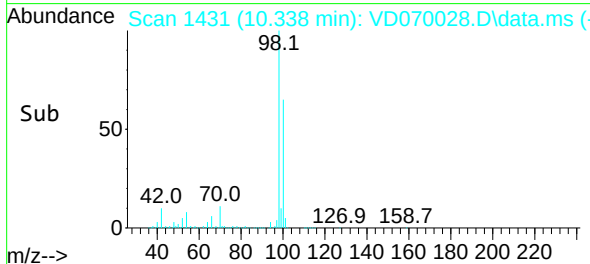
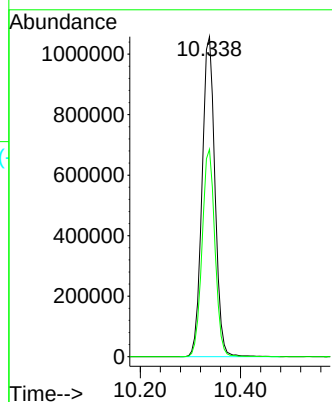
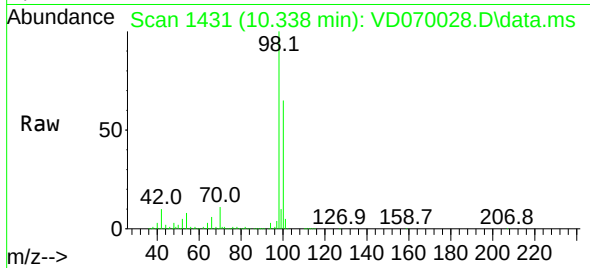




#50
Toluene-d8
Concen: 52.333 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070028.D
Acq: 11 Aug 2021 17:30

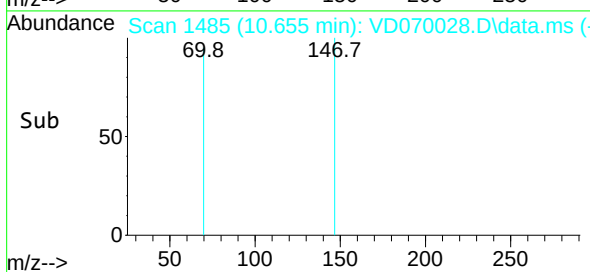
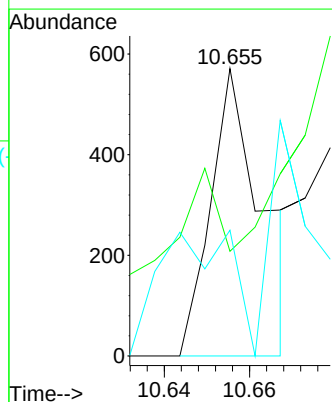
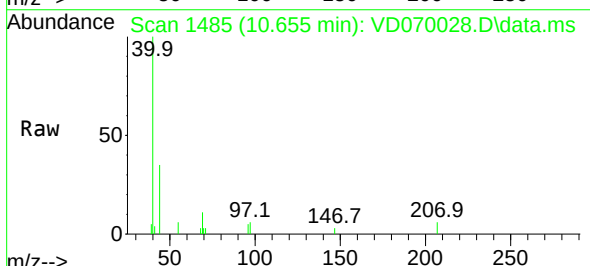
Instrument :
MSVOA_D
ClientSampled :

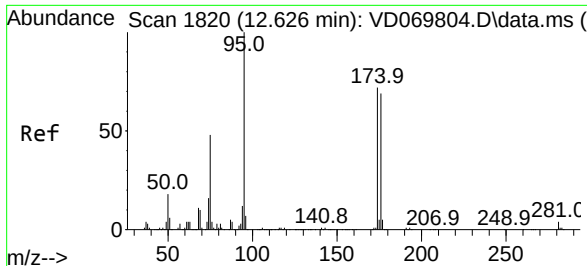
Tgt Ion: 98 Resp: 1888487
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.938 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD070028.D
Acq: 11 Aug 2021 17:30

Tgt Ion: 69 Resp: 483
Ion Ratio Lower Upper
69 100
41 59.2 50.2 75.2
39 42.9 22.0 33.0#

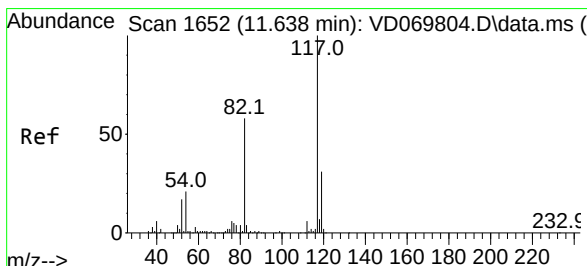
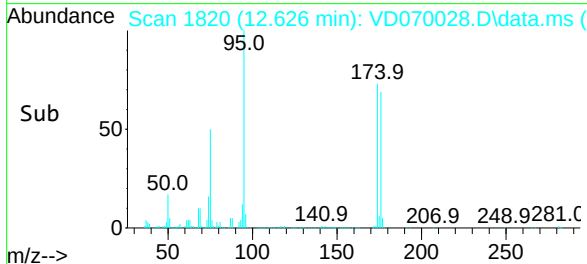
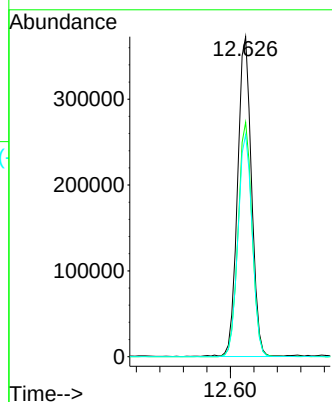
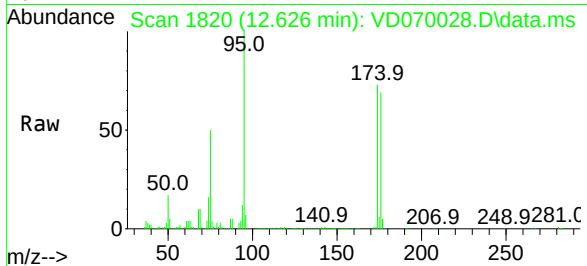




#62
4-Bromofluorobenzene
Concen: 50.943 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070028.D
Acq: 11 Aug 2021 17:30

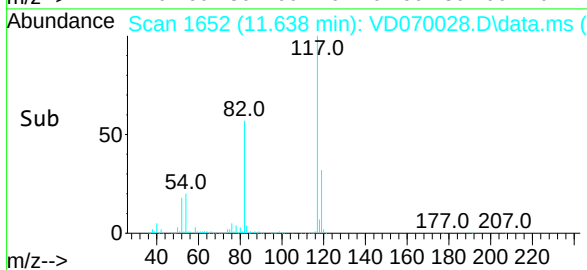
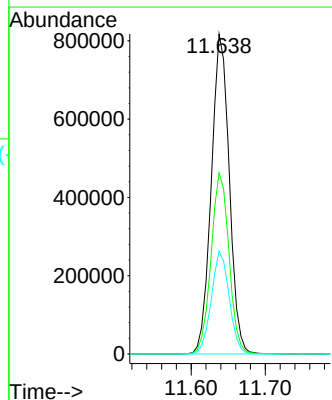
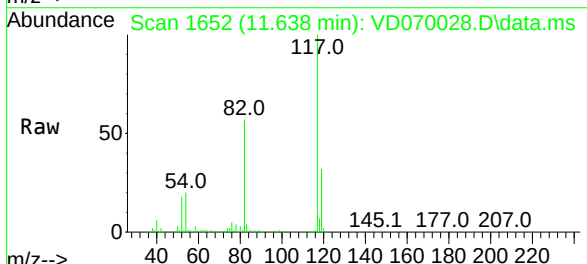
Instrument :
MSVOA_D
ClientSampleId :

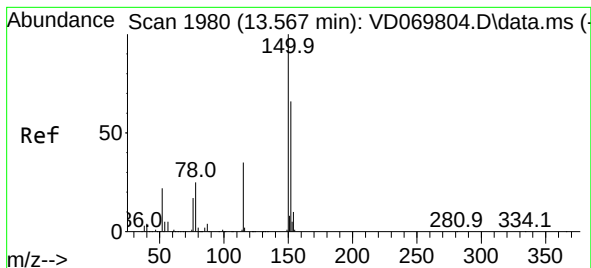
Tgt Ion: 95 Resp: 614373
Ion Ratio Lower Upper
95 100
174 73.4 0.0 142.6
176 70.7 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070028.D
Acq: 11 Aug 2021 17:30

Tgt Ion: 117 Resp: 1375762
Ion Ratio Lower Upper
117 100
82 56.5 46.3 69.5
119 32.1 24.7 37.1

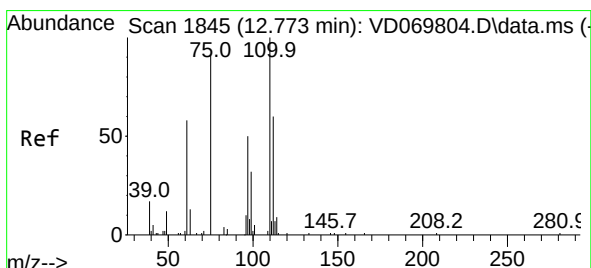
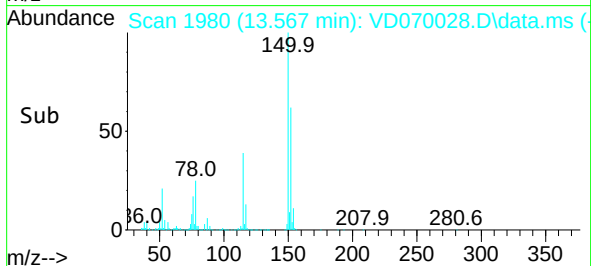
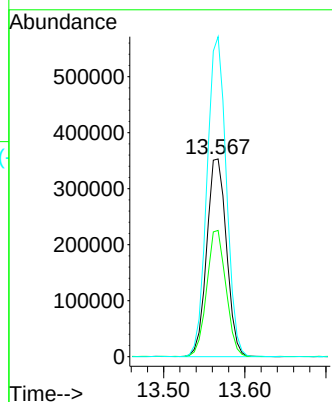
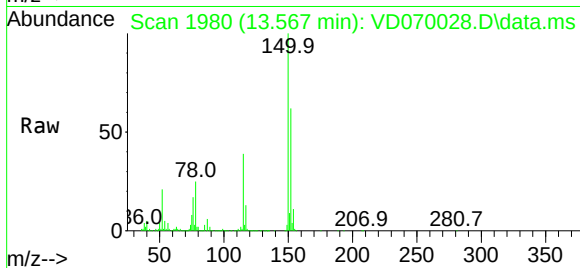




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070028.D
Acq: 11 Aug 2021 17:30

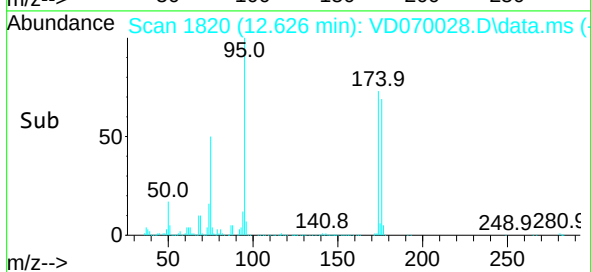
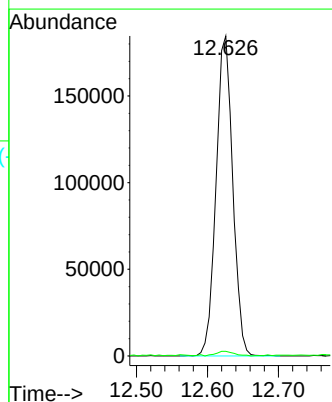
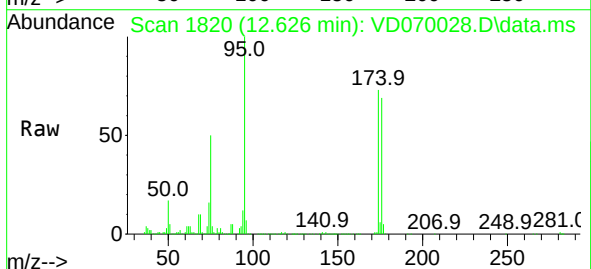
Instrument :
MSVOA_D
ClientSampled :

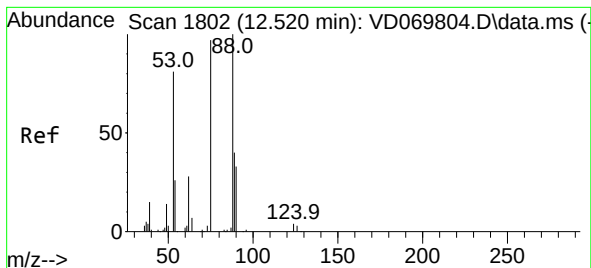
Tgt Ion:152 Resp: 595676
Ion Ratio Lower Upper
152 100
115 62.0 31.1 93.3
150 158.2 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 47.395 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070028.D
Acq: 11 Aug 2021 17:30

Tgt Ion: 75 Resp: 300083
Ion Ratio Lower Upper
75 100
77 1.7 181.5 544.5#

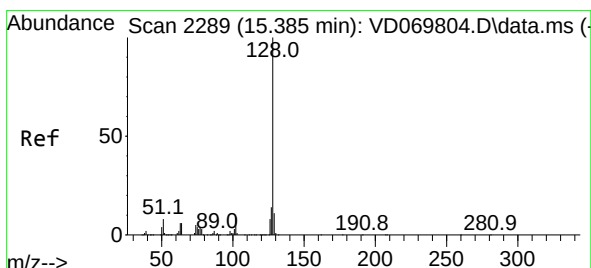
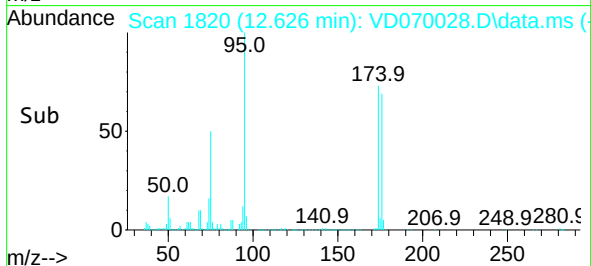
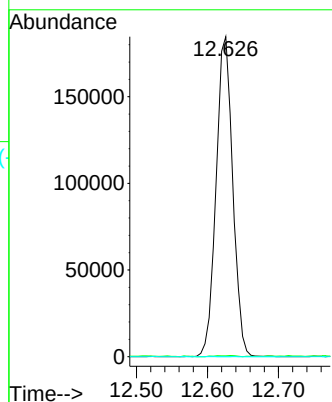
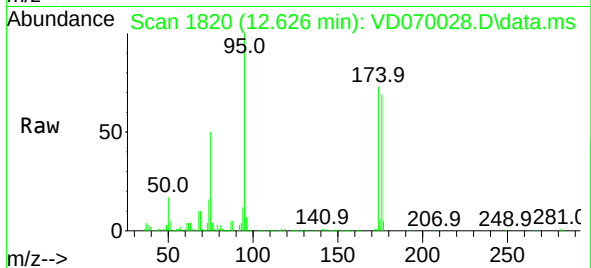




#81
trans-1,4-Dichloro-2-butene
Concen: 143.782 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070028.D
Acq: 11 Aug 2021 17:30

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 300083
Ion Ratio Lower Upper
75 100
53 0.4 67.2 100.8#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 5.058 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.011 min
Lab File: VD070028.D
Acq: 11 Aug 2021 17:30

Tgt Ion: 128 Resp: 1294
Ion Ratio Lower Upper
128 100
127 13.7 10.6 16.0
129 23.4 8.6 12.8#

