

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081621\
 Data File : VD070075.D
 Acq On : 16 Aug 2021 19:12
 Operator : VA/SY
 Sample : M3368-22
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 17 03:57:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

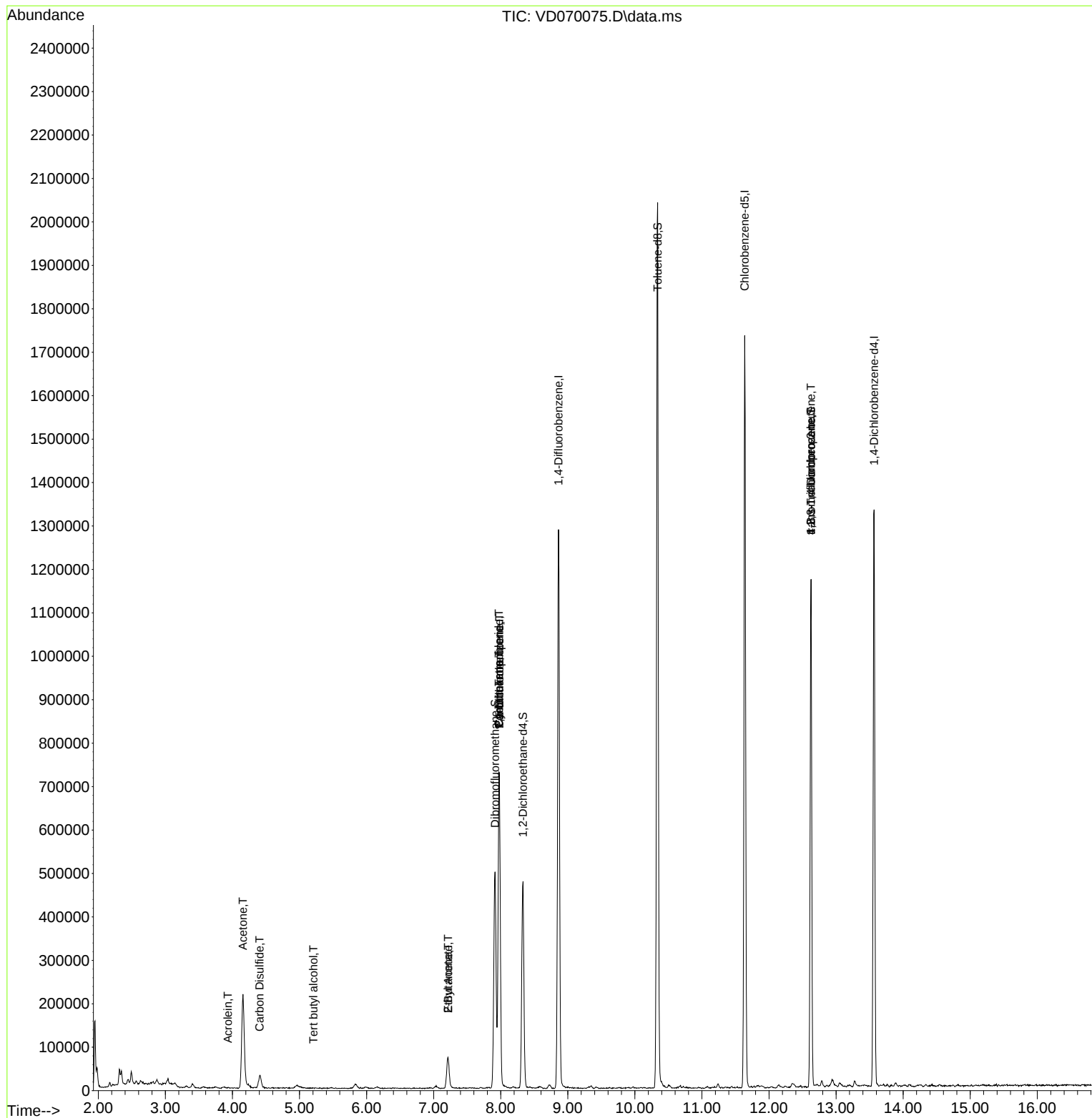
Internal Standards						
1) Pentafluorobenzene	7.979	168	515642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1094212	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1008301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	364813	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	376178	62.027	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.060%	
35) Dibromofluoromethane	7.914	113	374583	52.987	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.980%	
50) Toluene-d8	10.338	98	1404160	51.068	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.140%	
62) 4-Bromofluorobenzene	12.626	95	408496	45.106	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.220%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	147	Below Cal	#	42
3) Chloromethane	2.209	50	2865	Below Cal		89
5) Bromomethane	2.779	94	2006	Below Cal		81
11) Tert butyl alcohol	5.209	59	447	1.333	ug/l #	71
13) Acrolein	3.932	56	562	1.455	ug/l #	14
16) Acetone	4.156	43	364391	326.156	ug/l	96
17) Carbon Disulfide	4.403	76	59152	2.671	ug/l #	92
20) Methylene Chloride	4.968	84	4404	Below Cal	#	77
25) 2-Butanone	7.214	43	113109	74.091	ug/l	91
31) Cyclohexane	7.973	56	14655	1.221	ug/l #	4
36) 1,1-Dichloropropene	7.979	75	48208	4.095	ug/l #	49
37) Ethyl Acetate	7.214	43	113109	26.454	ug/l #	68
38) Carbon Tetrachloride	7.973	117	56311	5.269	ug/l #	13
76) 1,2,3-Trichloropropane	12.626	75	196129	53.012	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	196129	137.600	ug/l #	18

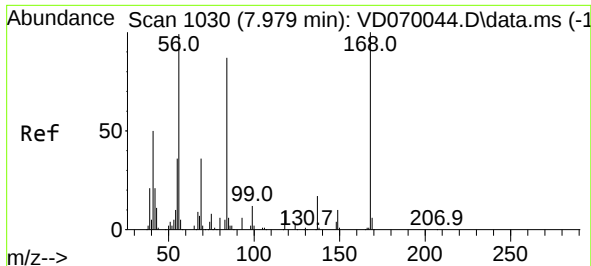
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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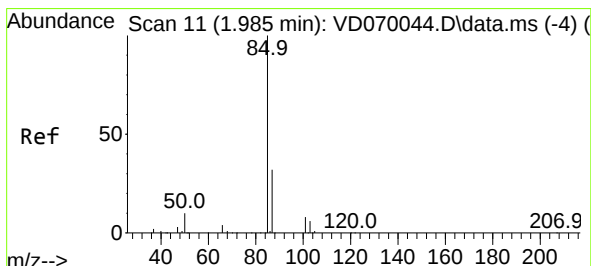
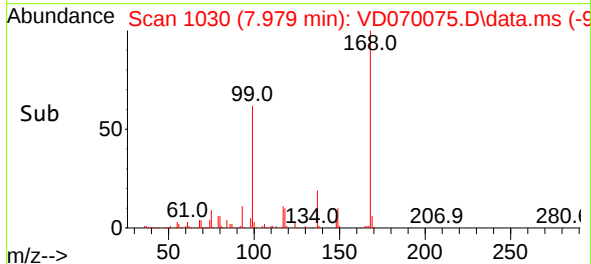
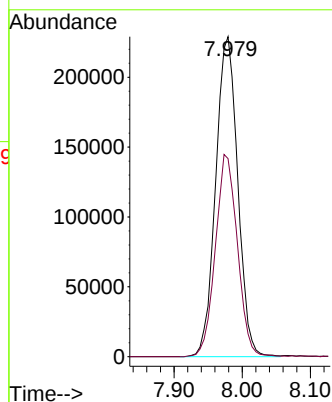
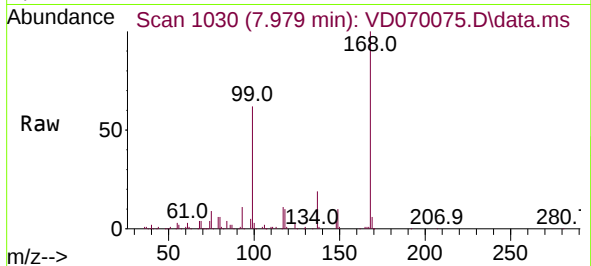




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070075.D
Acq: 16 Aug 2021 19:12

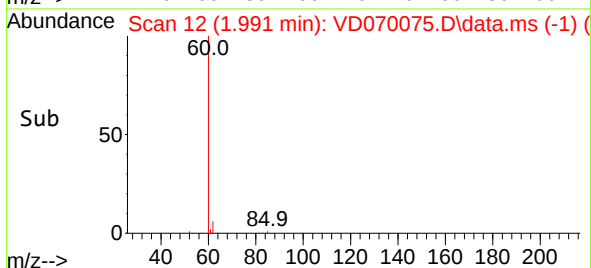
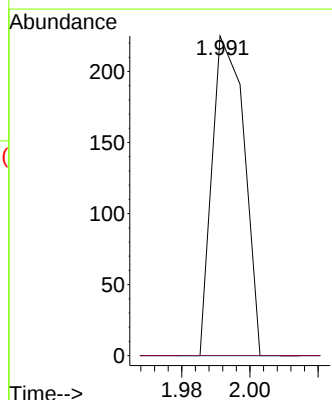
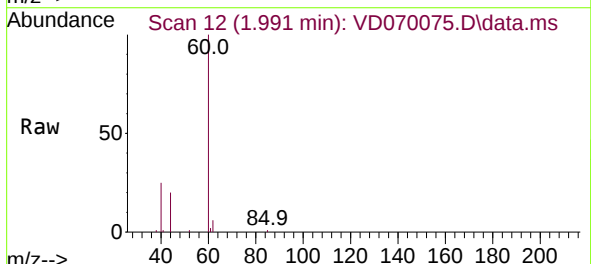
Instrument :
MSVOA_D
ClientSampleId :

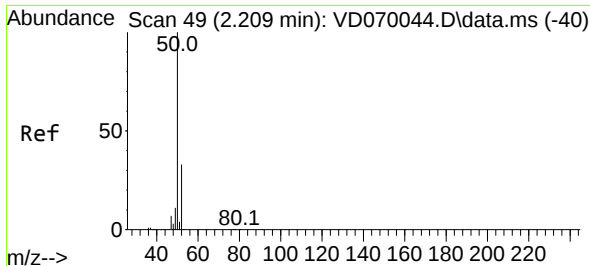
Tgt Ion:168 Resp: 515642
Ion Ratio Lower Upper
168 100
99 61.9 50.3 75.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070075.D
Acq: 16 Aug 2021 19:12

Tgt Ion: 85 Resp: 147
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.6#

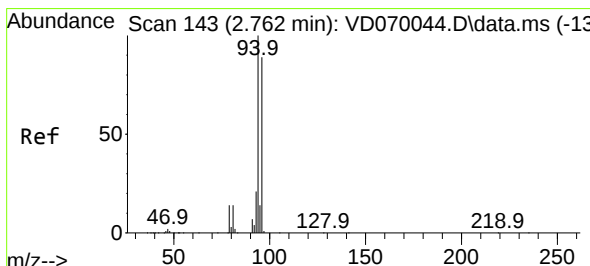
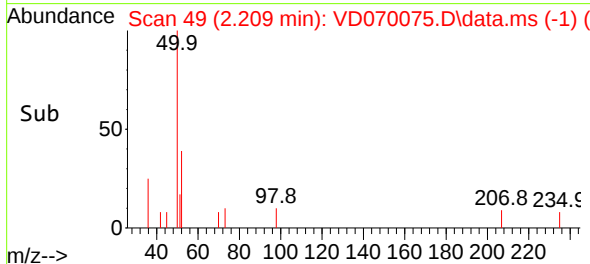
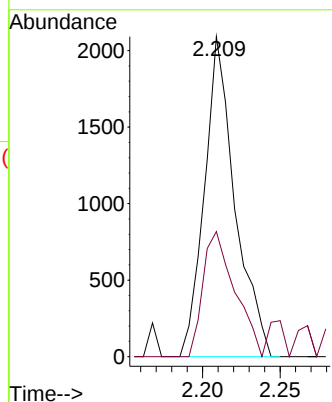
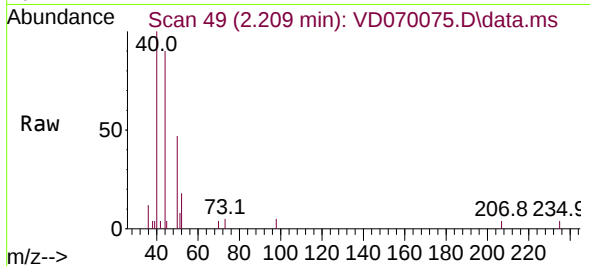




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070075.D
Acq: 16 Aug 2021 19:12

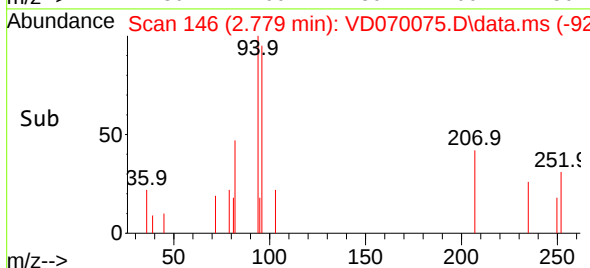
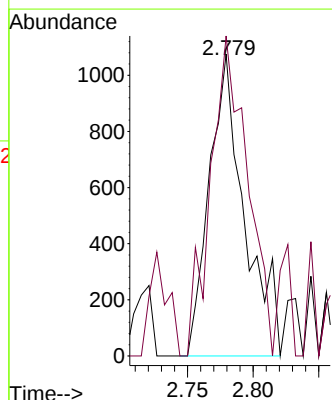
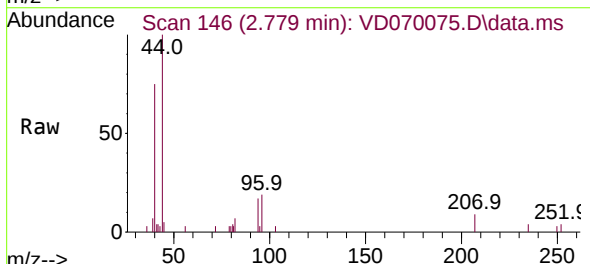
Instrument :
MSVOA_D
ClientSampleId :

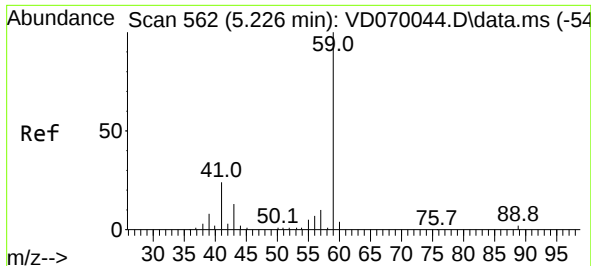
Tgt Ion: 50 Resp: 2865
Ion Ratio Lower Upper
50 100
52 39.1 26.3 39.5



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070075.D
Acq: 16 Aug 2021 19:12

Tgt Ion: 94 Resp: 2006
Ion Ratio Lower Upper
94 100
96 106.0 70.9 106.3



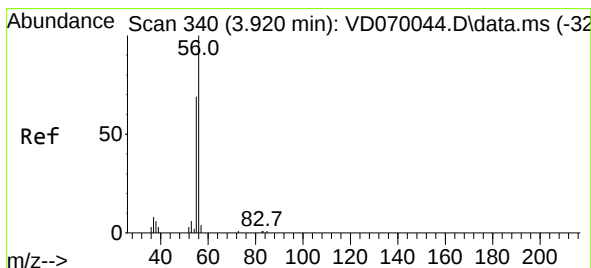
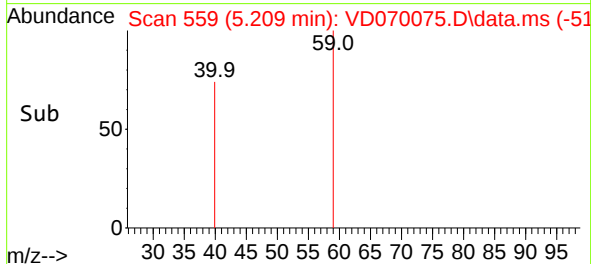
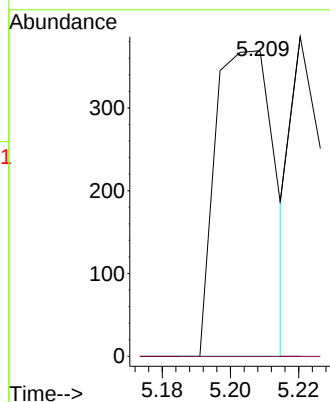
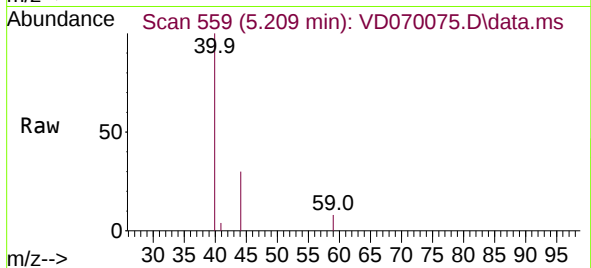


#11

Tert butyl alcohol
Concen: 1.333 ug/l
RT: 5.209 min Scan# 559
Delta R.T. -0.018 min
Lab File: VD070075.D
Acq: 16 Aug 2021 19:12

Instrument :
MSVOA_D
ClientSampled :

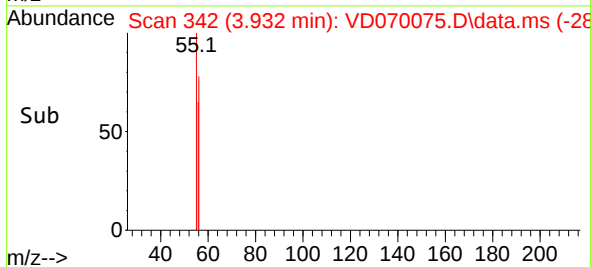
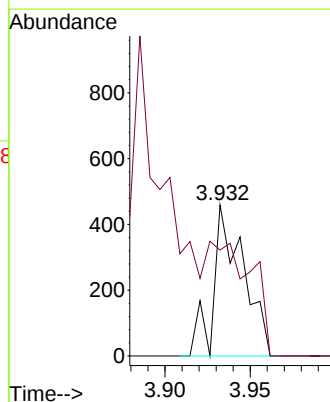
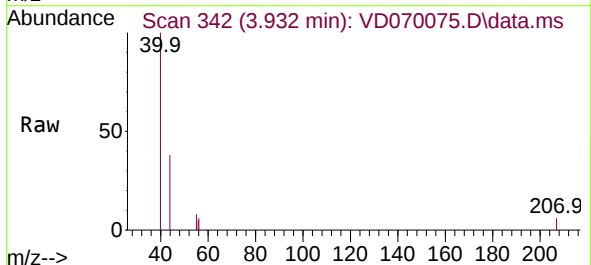
Tgt Ion: 59 Resp: 447
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

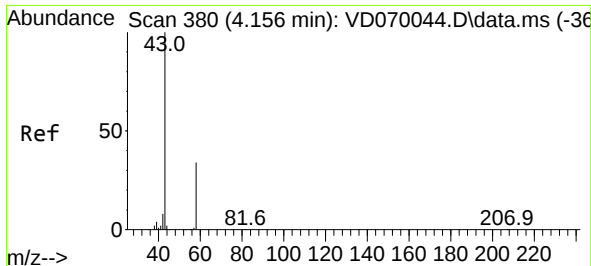


#13

Acrolein
Concen: 1.455 ug/l
RT: 3.932 min Scan# 342
Delta R.T. 0.012 min
Lab File: VD070075.D
Acq: 16 Aug 2021 19:12

Tgt Ion: 56 Resp: 562
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

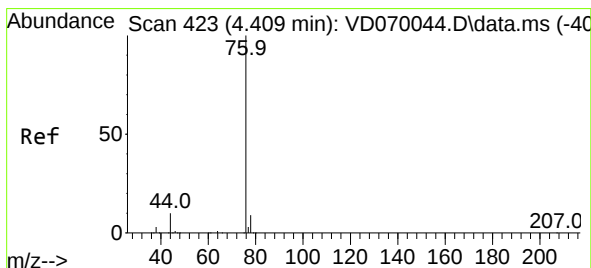
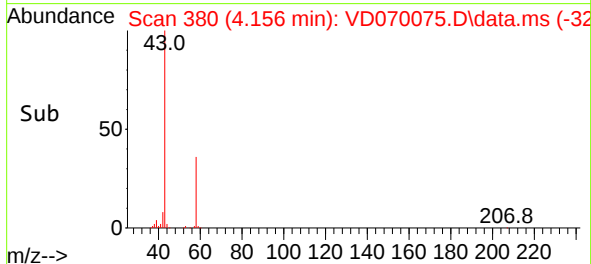
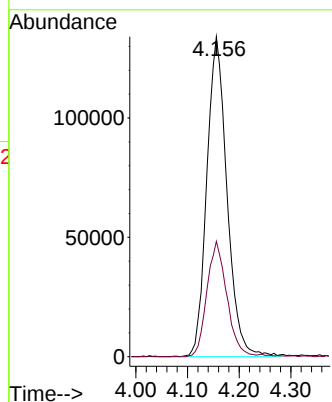
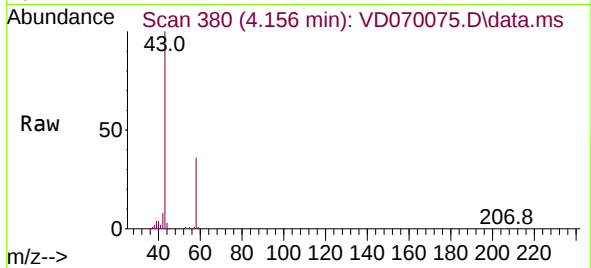




#16
Acetone
Concen: 326.156 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070075.D
Acq: 16 Aug 2021 19:12

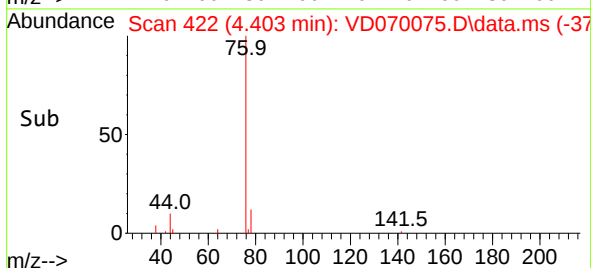
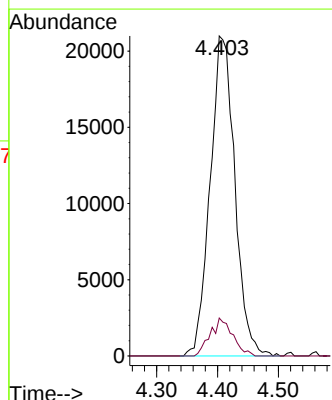
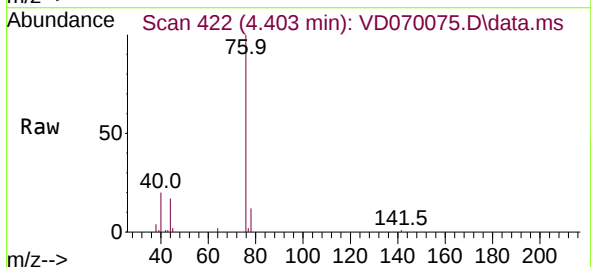
Instrument :
MSVOA_D
ClientSampleId :

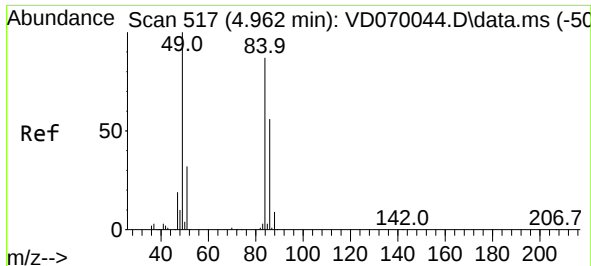
Tgt Ion: 43 Resp: 364391
Ion Ratio Lower Upper
43 100
58 36.1 26.8 40.2



#17
Carbon Disulfide
Concen: 2.671 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD070075.D
Acq: 16 Aug 2021 19:12

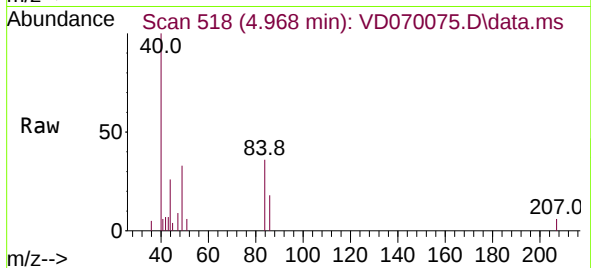
Tgt Ion: 76 Resp: 59152
Ion Ratio Lower Upper
76 100
78 11.8 7.1 10.7#



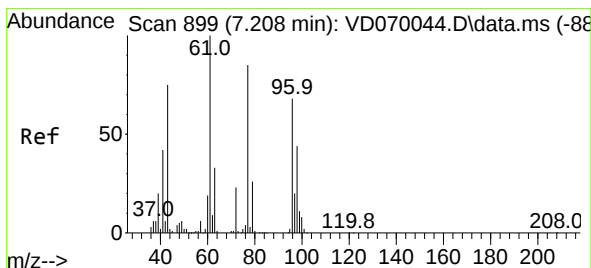
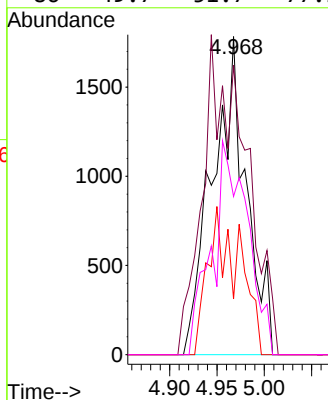
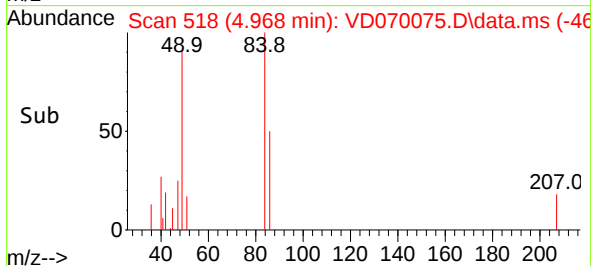


#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD070075.D
Acq: 16 Aug 2021 19:12

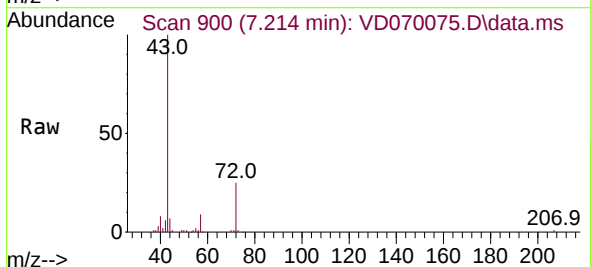
Instrument :
MSVOA_D
ClientSampleId :



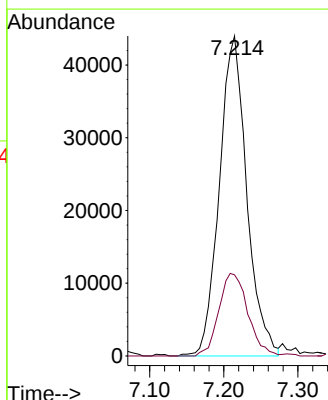
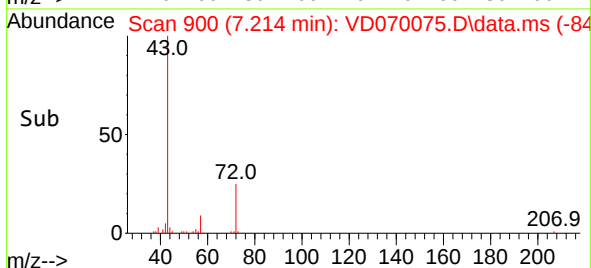
Tgt Ion:	84	Resp:	4404
Ion	Ratio	Lower	Upper
84	100		
49	91.1	92.5	138.7#
51	17.5	29.7	44.5#
86	49.7	51.7	77.5#

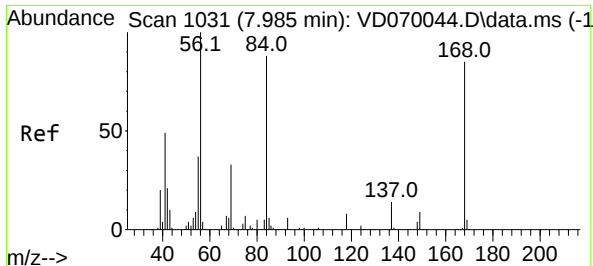


#25
2-Butanone
Concen: 74.091 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD070075.D
Acq: 16 Aug 2021 19:12



Tgt Ion:	43	Resp:	113109
Ion	Ratio	Lower	Upper
43	100		
72	25.3	24.2	36.4

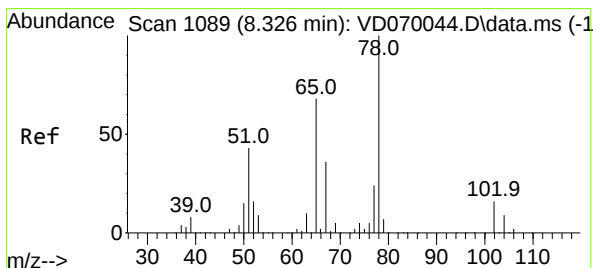
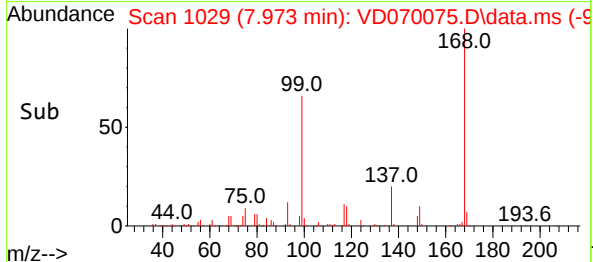
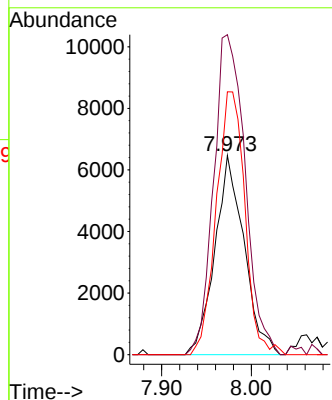
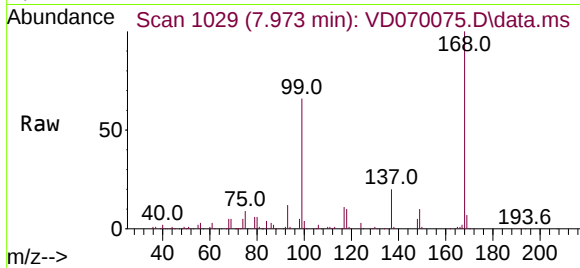




#31
Cyclohexane
Concen: 1.221 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070075.D
Acq: 16 Aug 2021 19:12

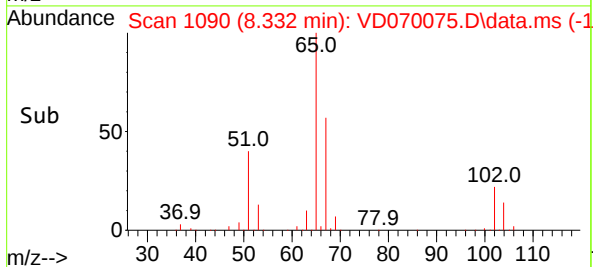
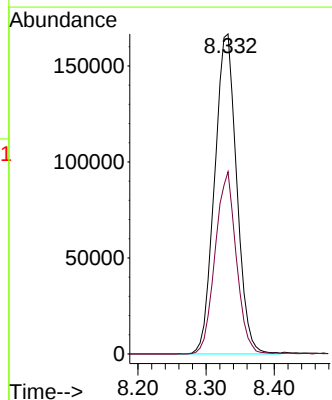
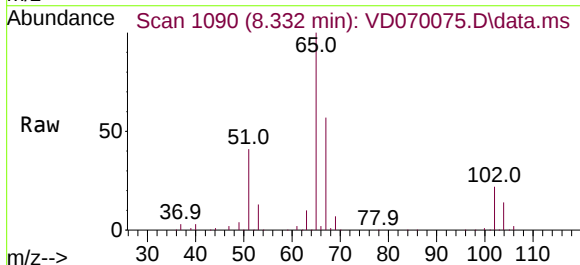
Instrument :
MSVOA_D
ClientSampled :

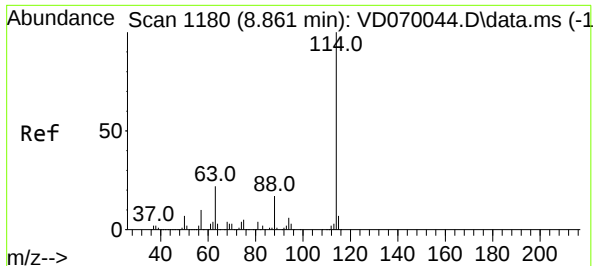
Tgt Ion: 56 Resp: 14655
Ion Ratio Lower Upper
56 100
69 160.6 26.7 40.1#
84 131.9 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 62.027 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070075.D
Acq: 16 Aug 2021 19:12

Tgt Ion: 65 Resp: 376178
Ion Ratio Lower Upper
65 100
67 54.5 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070075.D

Acq: 16 Aug 2021 19:12

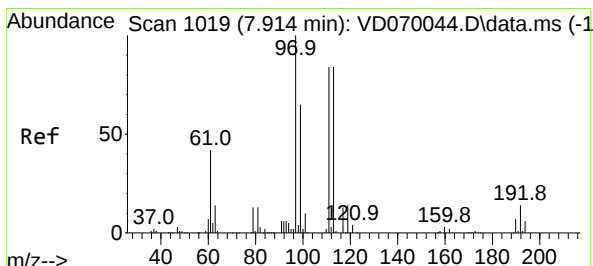
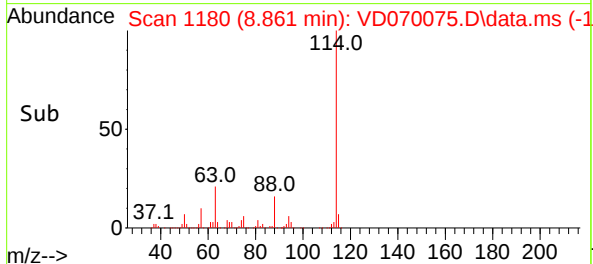
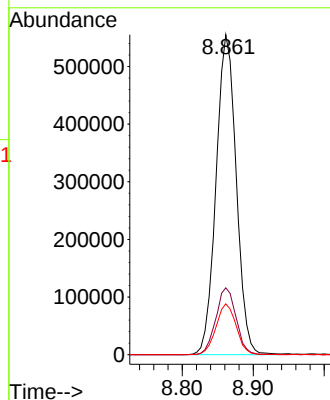
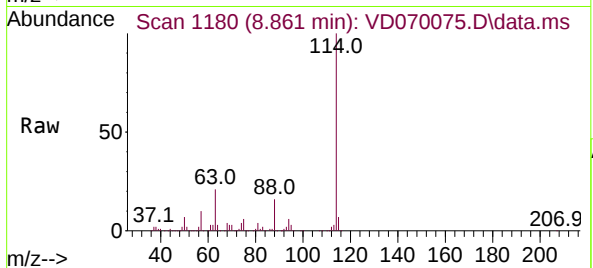
Tgt Ion:114 Resp: 1094212

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.6

88 15.9 0.0 33.4



#35

Dibromofluoromethane

Concen: 52.987 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070075.D

Acq: 16 Aug 2021 19:12

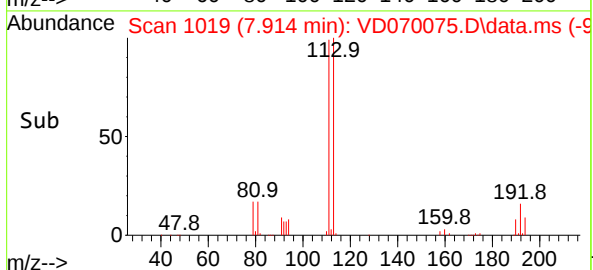
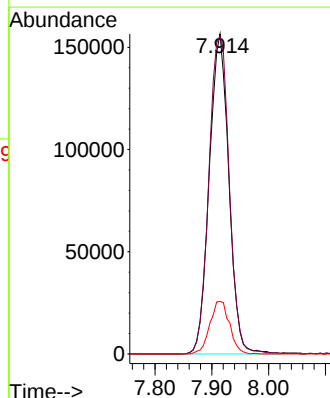
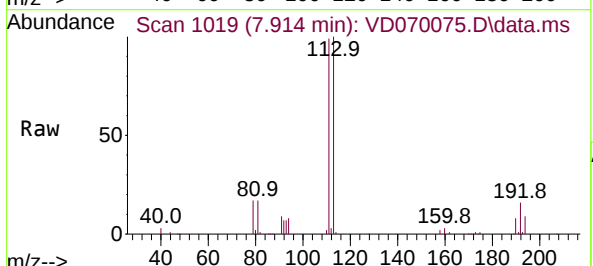
Tgt Ion:113 Resp: 374583

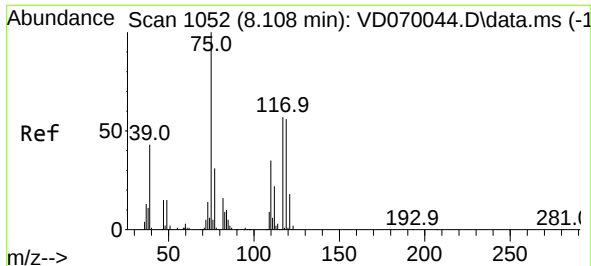
Ion Ratio Lower Upper

113 100

111 103.4 81.8 122.6

192 16.5 13.2 19.8

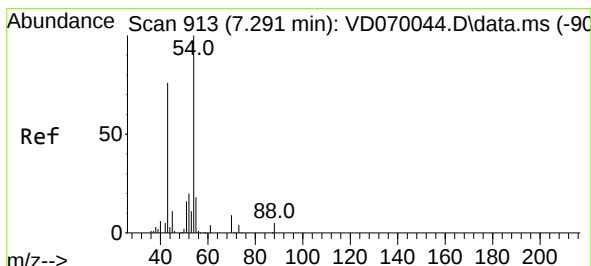
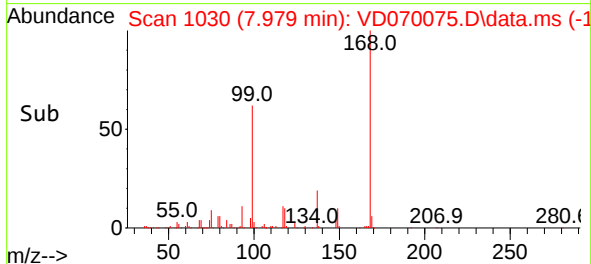
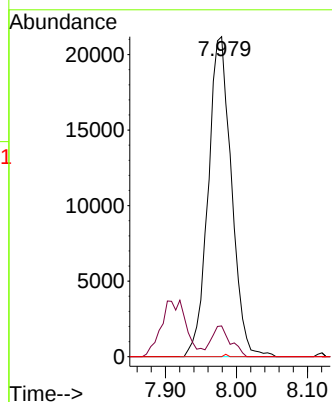
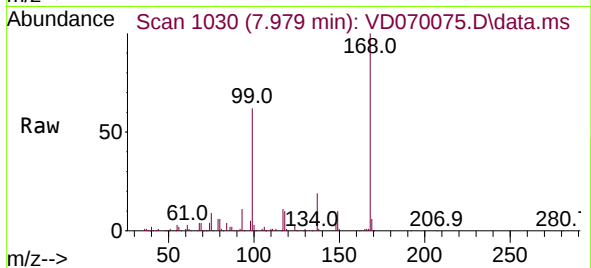




#36
1,1-Dichloropropene
Concen: 4.095 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070075.D
Acq: 16 Aug 2021 19:12

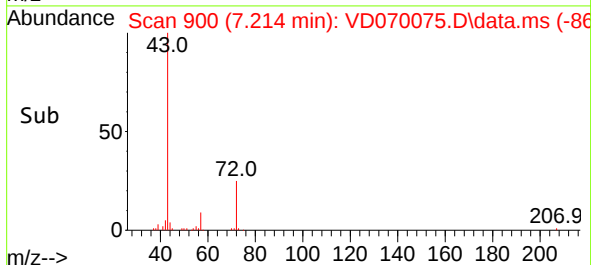
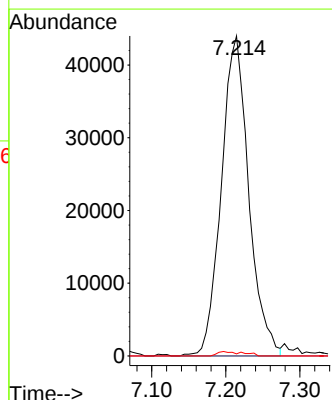
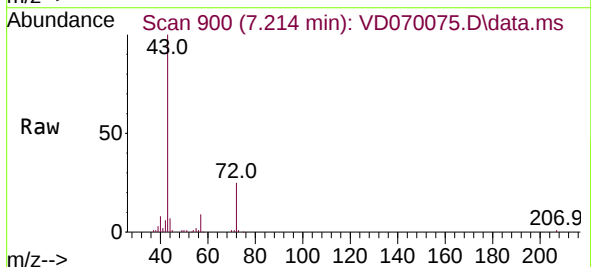
Instrument :
MSVOA_D
ClientSampleId :

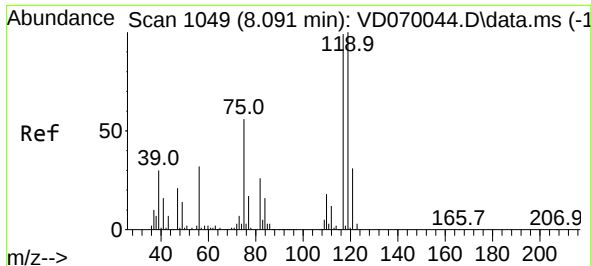
Tgt Ion: 75 Resp: 48208
Ion Ratio Lower Upper
75 100
110 7.7 16.9 50.7#
77 0.1 25.2 37.8#



#37
Ethyl Acetate
Concen: 26.454 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.076 min
Lab File: VD070075.D
Acq: 16 Aug 2021 19:12

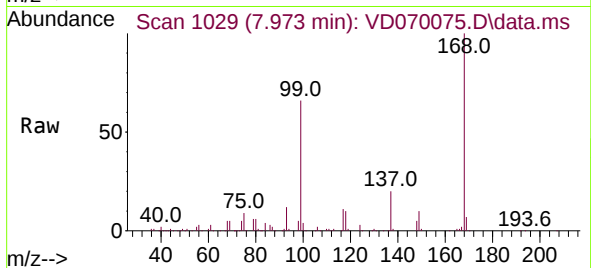
Tgt Ion: 43 Resp: 113109
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.8 9.0 13.6#



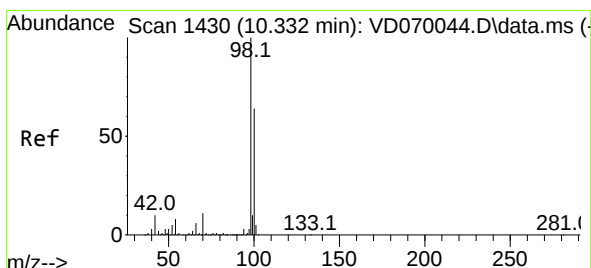
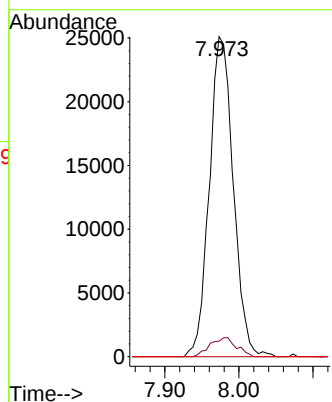
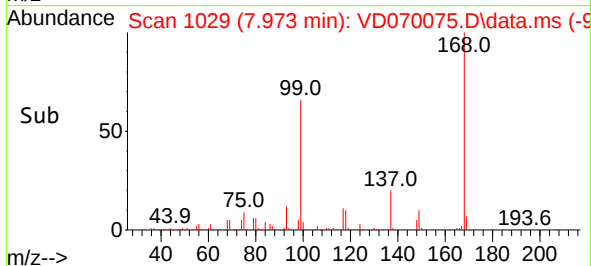


#38
Carbon Tetrachloride
Concen: 5.269 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070075.D
Acq: 16 Aug 2021 19:12

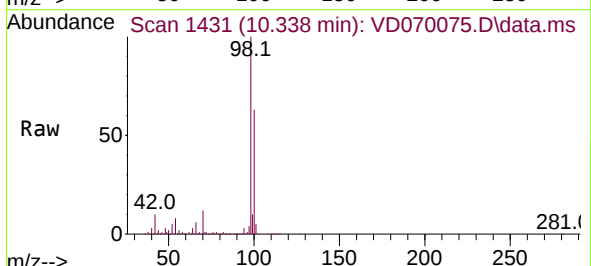
Instrument :
MSVOA_D
ClientSampleId :



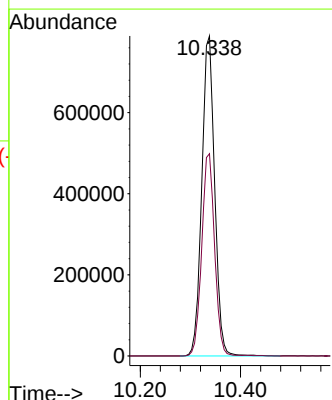
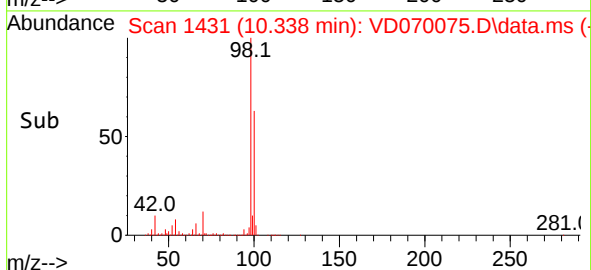
Tgt Ion:117 Resp: 56311
Ion Ratio Lower Upper
117 100
119 4.8 81.0 121.6#
121 0.0 25.0 37.6#

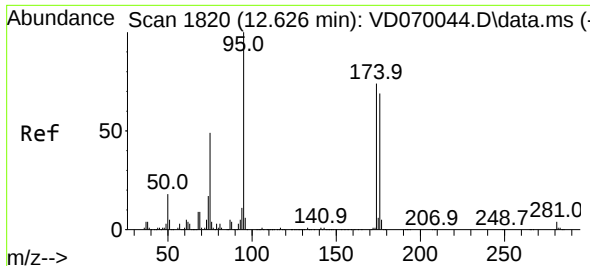


#50
Toluene-d8
Concen: 51.068 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070075.D
Acq: 16 Aug 2021 19:12



Tgt Ion: 98 Resp: 1404160
Ion Ratio Lower Upper
98 100
100 63.6 52.6 78.8

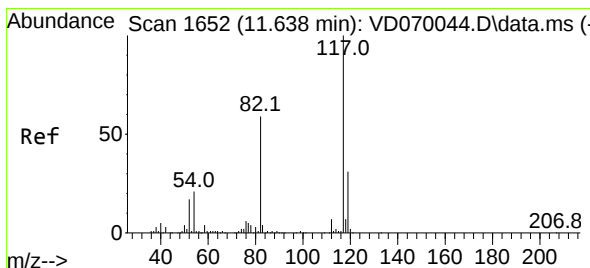
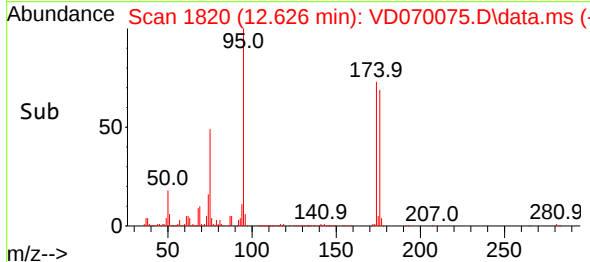
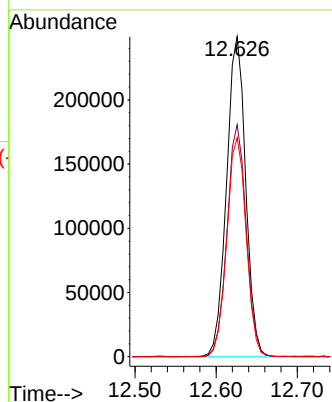
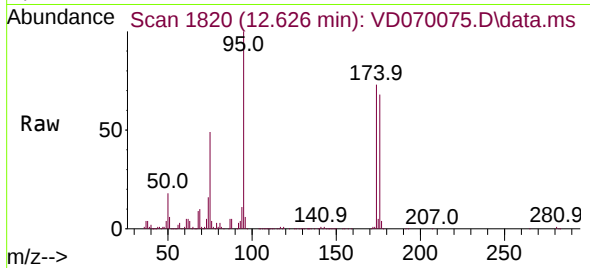




#62
4-Bromofluorobenzene
Concen: 45.106 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070075.D
Acq: 16 Aug 2021 19:12

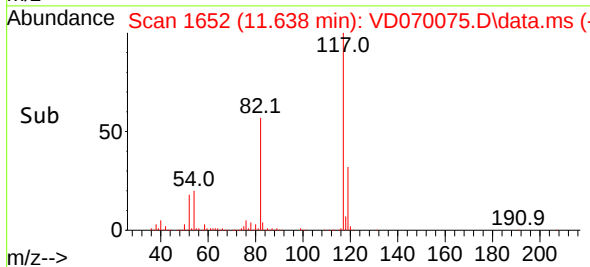
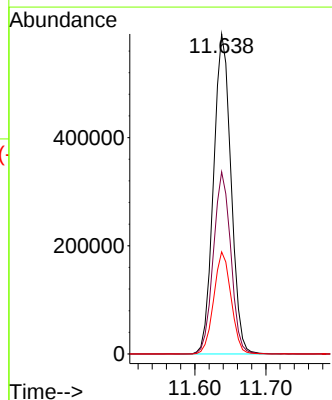
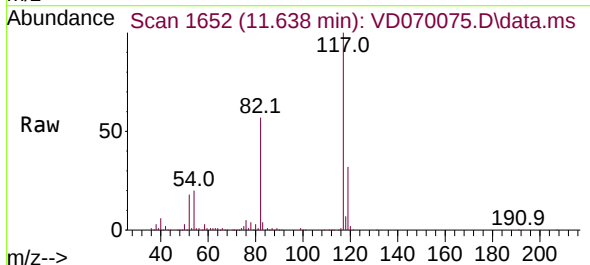
Instrument :
MSVOA_D
ClientSampleId :

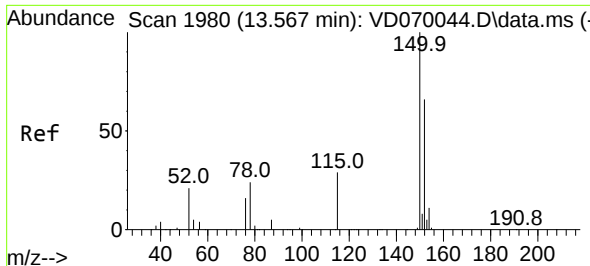
Tgt Ion: 95 Resp: 408496
Ion Ratio Lower Upper
95 100
174 72.7 0.0 141.6
176 69.0 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070075.D
Acq: 16 Aug 2021 19:12

Tgt Ion: 117 Resp: 1008301
Ion Ratio Lower Upper
117 100
82 56.9 47.5 71.3
119 31.9 25.1 37.7

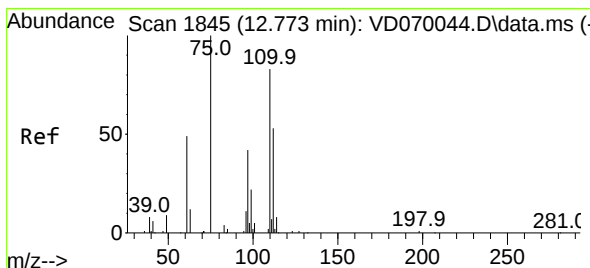
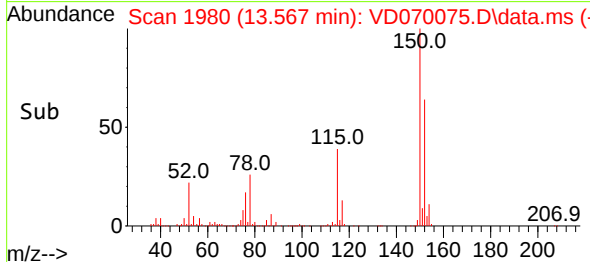
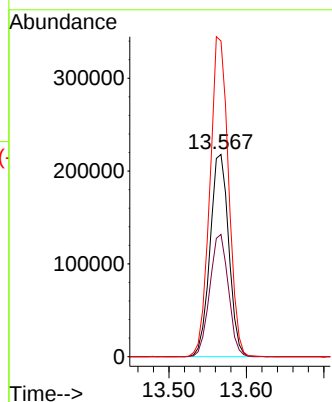
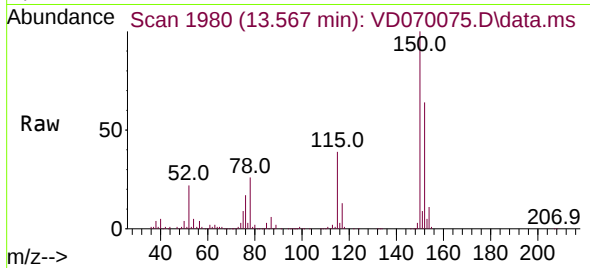




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD070075.D
 Acq: 16 Aug 2021 19:12

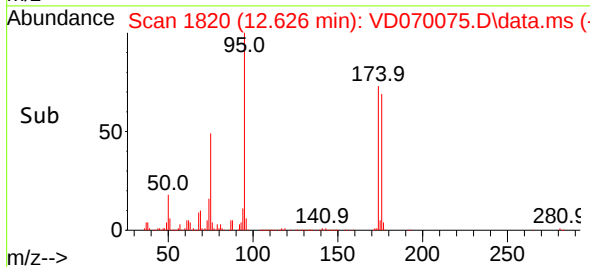
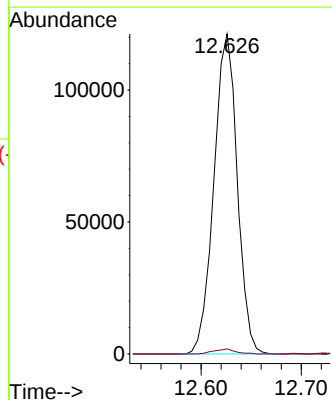
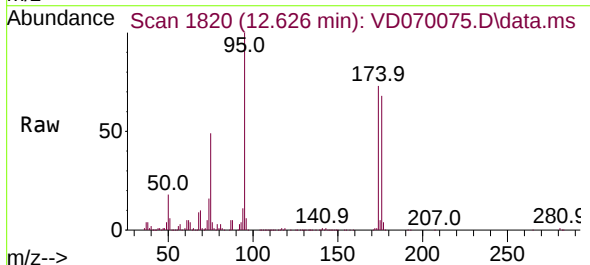
Instrument :
 MSVOA_D
 ClientSampleId :

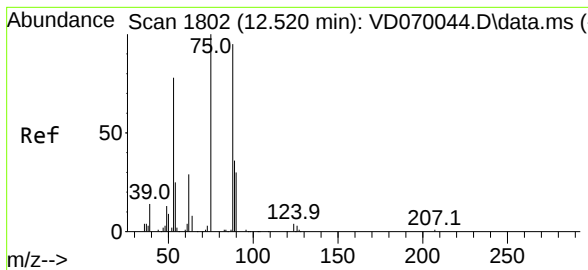
Tgt Ion:152 Resp: 364813
 Ion Ratio Lower Upper
 152 100
 115 60.2 31.2 93.6
 150 157.5 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 53.012 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070075.D
 Acq: 16 Aug 2021 19:12

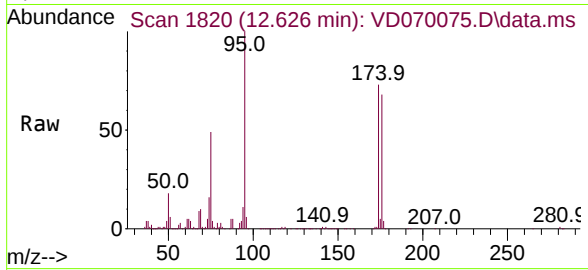
Tgt Ion: 75 Resp: 196129
 Ion Ratio Lower Upper
 75 100
 77 1.5 182.4 547.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.600 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070075.D
 Acq: 16 Aug 2021 19:12

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 196129
 Ion Ratio Lower Upper
 75 100
 53 0.3 64.5 96.7#
 89 0.0 33.7 50.5#

