

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102121\
 Data File : VD070800.D
 Acq On : 21 Oct 2021 14:49
 Operator : VA/SY
 Sample : M4285-13RE
 Misc : 6.52G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 22 06:15:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

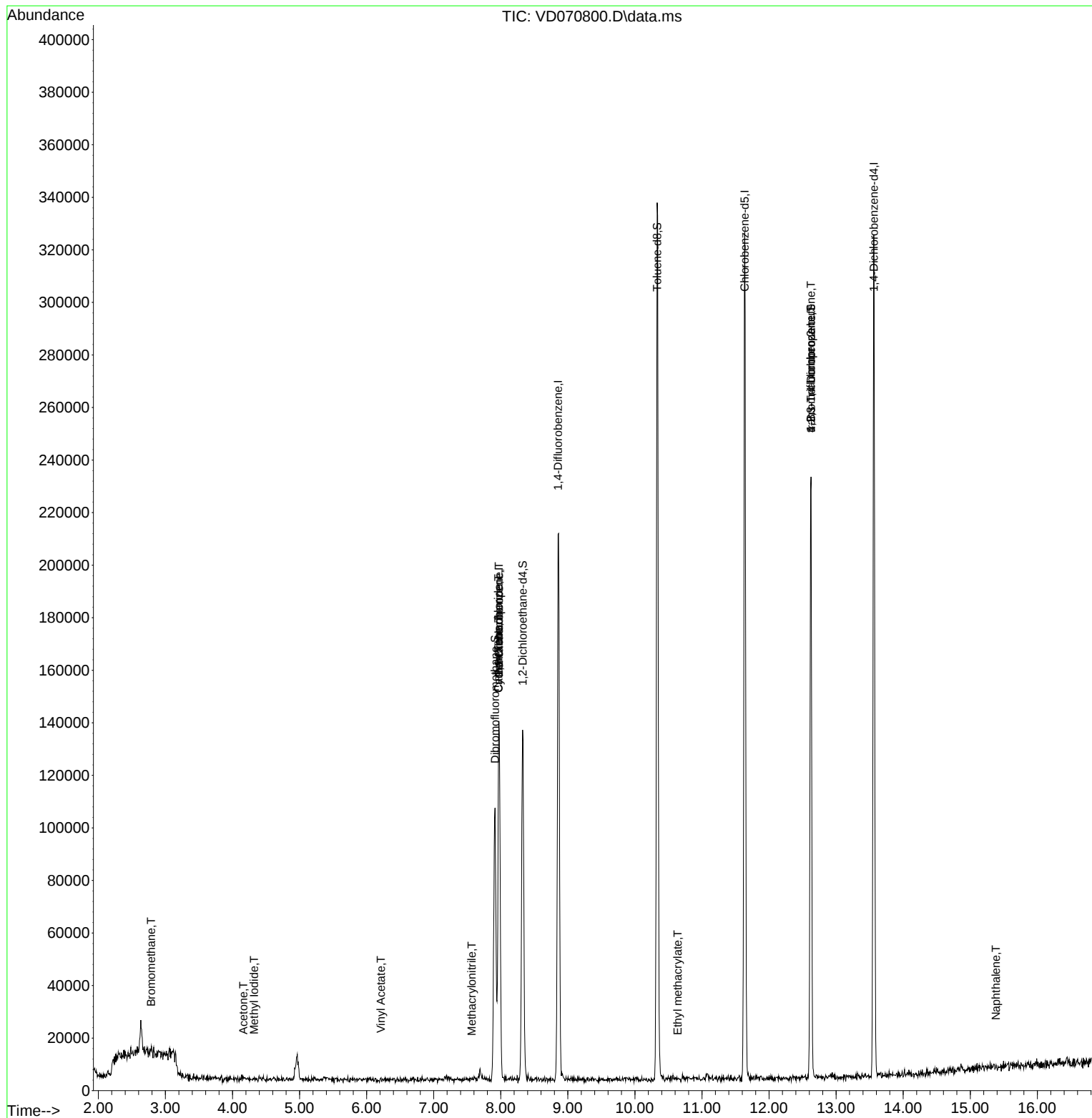
Internal Standards						
1) Pentafluorobenzene	7.973	168	97025	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	170152	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	187439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	79742	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	105477	91.784	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 183.560%#			
35) Dibromofluoromethane	7.914	113	74256	68.156	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 136.320%			
50) Toluene-d8	10.332	98	227253	54.414	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.820%			
62) 4-Bromofluorobenzene	12.626	95	76547	53.229	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.460%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	1519	1.444	ug/l #	61
10) Methyl Iodide	4.320	142	204	3.477	ug/l #	38
16) Acetone	4.161	43	574	2.071	ug/l	98
20) Methylene Chloride	4.967	84	6012	Below Cal	#	69
23) Vinyl Acetate	6.214	43	89	16.369	ug/l #	69
31) Cyclohexane	7.967	56	2791	1.200	ug/l #	29
36) 1,1-Dichloropropene	7.973	75	9212	4.860	ug/l #	51
38) Carbon Tetrachloride	7.967	117	10268	5.656	ug/l #	15
41) Methacrylonitrile	7.567	41	85	2.108	ug/l #	16
56) Ethyl methacrylate	10.638	69	72	4.207	ug/l #	32
76) 1,2,3-Trichloropropane	12.626	75	38880	56.435	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	38880	123.609	ug/l #	17
95) Naphthalene	15.384	128	301	4.898	ug/l #	69

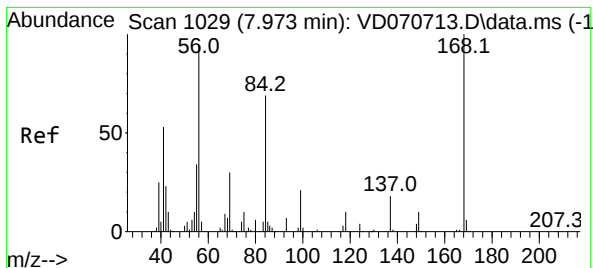
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 22 06:15:05 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 18 08:32:03 2021
Response via : Initial Calibration

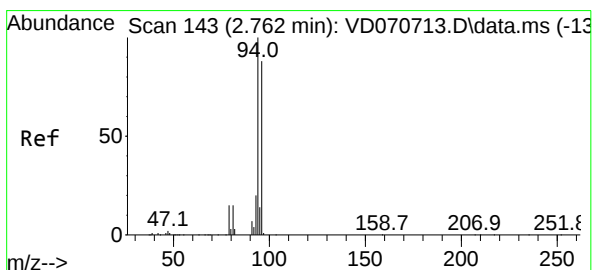
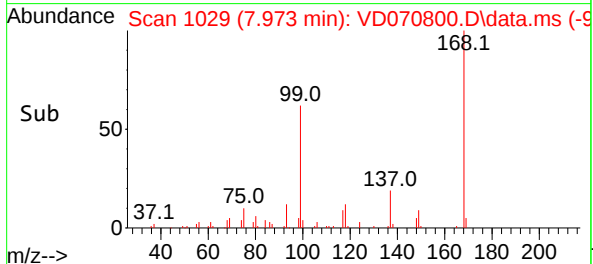
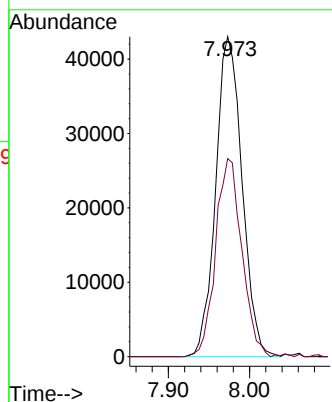
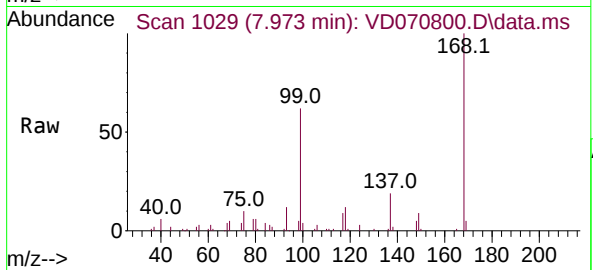




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD070800.D
Acq: 21 Oct 2021 14:49

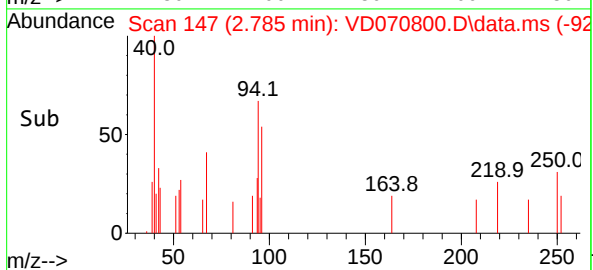
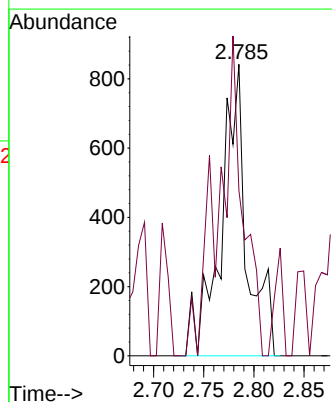
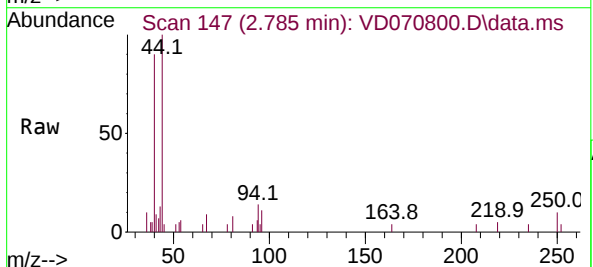
Instrument :
MSVOA_D
ClientSampled :

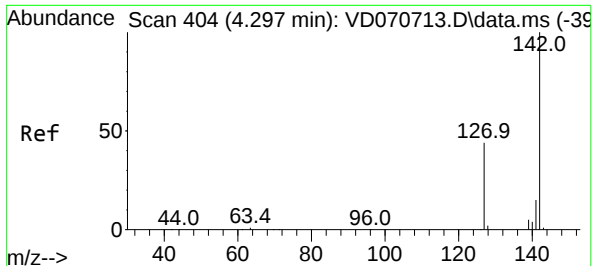
Tgt Ion:168 Resp: 97025
Ion Ratio Lower Upper
168 100
99 61.9 51.4 77.0



#5
Bromomethane
Concen: 1.444 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070800.D
Acq: 21 Oct 2021 14:49

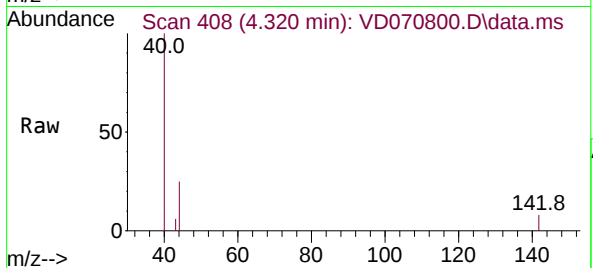
Tgt Ion: 94 Resp: 1519
Ion Ratio Lower Upper
94 100
96 56.8 75.5 113.3#



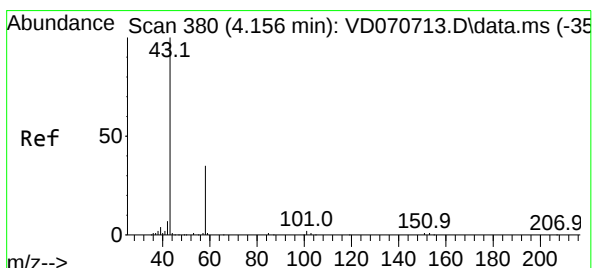
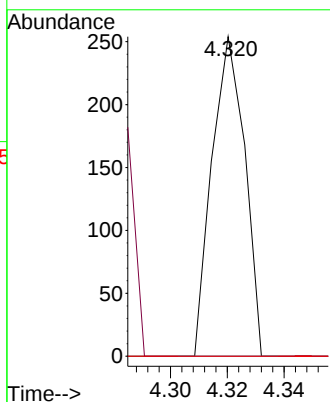
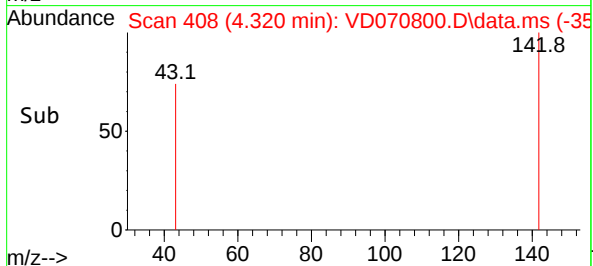


#10
Methyl Iodide
Concen: 3.477 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.023 min
Lab File: VD070800.D
Acq: 21 Oct 2021 14:49

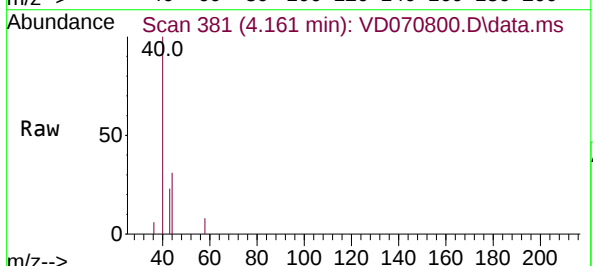
Instrument :
MSVOA_D
ClientSampled :



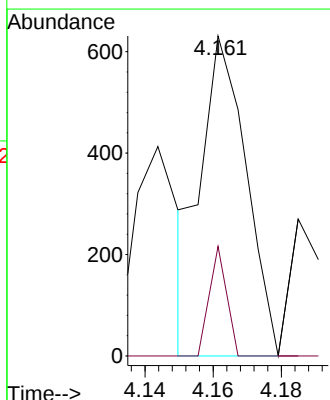
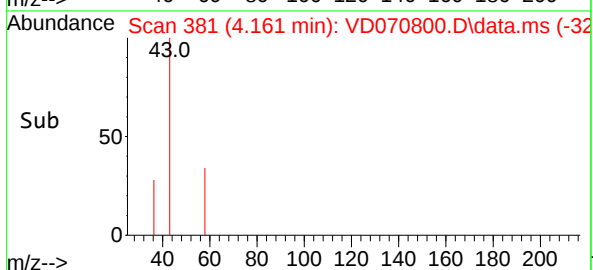
Tgt Ion:142 Resp: 204
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 12.1 18.1#

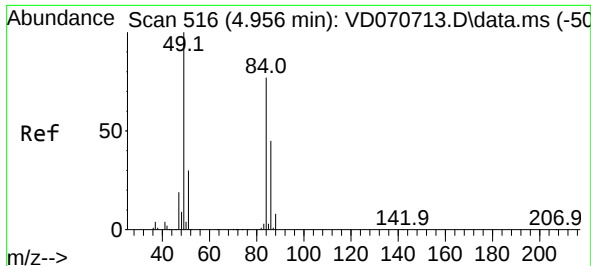


#16
Acetone
Concen: 2.071 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070800.D
Acq: 21 Oct 2021 14:49



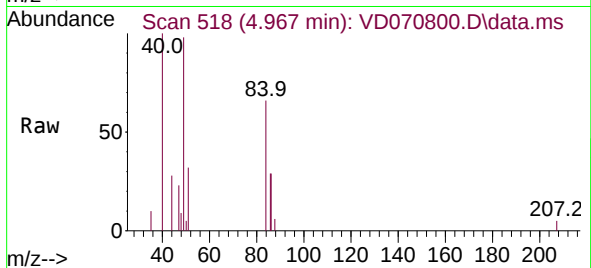
Tgt Ion: 43 Resp: 574
Ion Ratio Lower Upper
43 100
58 34.2 28.2 42.2



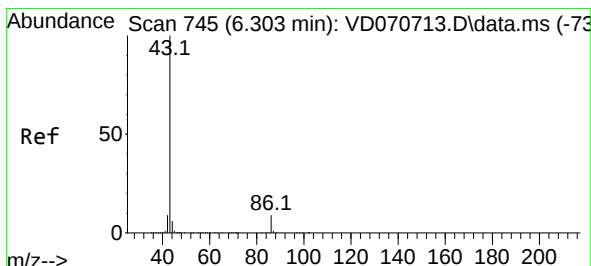
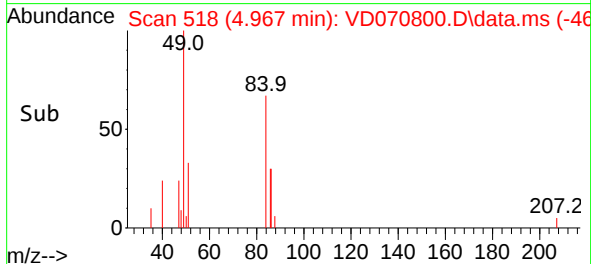
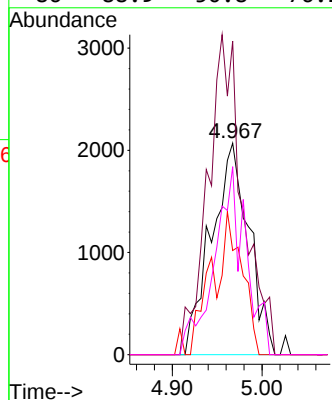


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.011 min
Lab File: VD070800.D
Acq: 21 Oct 2021 14:49

Instrument :
MSVOA_D
ClientSampled :

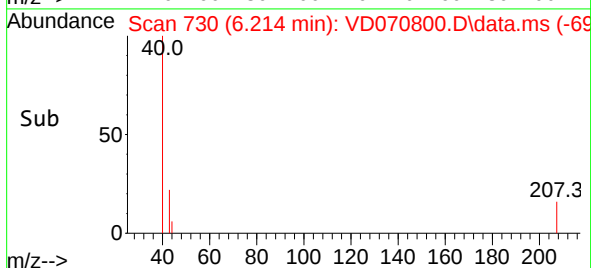
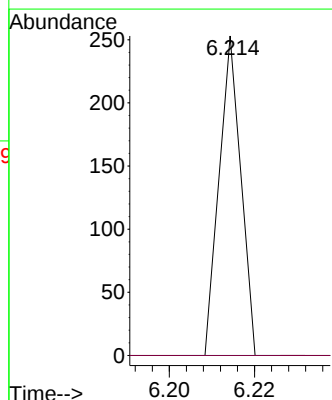
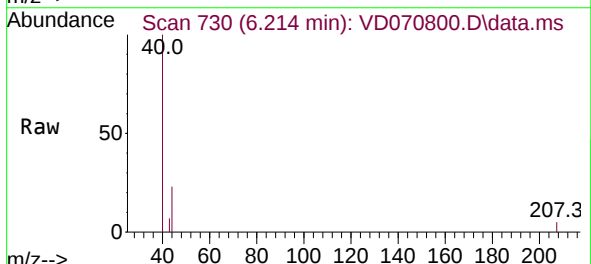


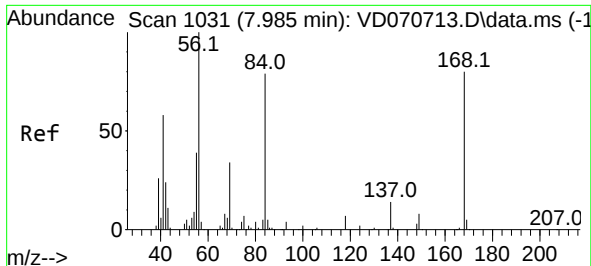
Tgt Ion: 84	Resp: 6012
Ion Ratio	Lower Upper
84 100	
49 148.3	91.4 137.2#
51 49.2	26.7 40.1#
86 88.9	50.8 76.2#



#23
Vinyl Acetate
Concen: 16.369 ug/l
RT: 6.214 min Scan# 730
Delta R.T. -0.089 min
Lab File: VD070800.D
Acq: 21 Oct 2021 14:49

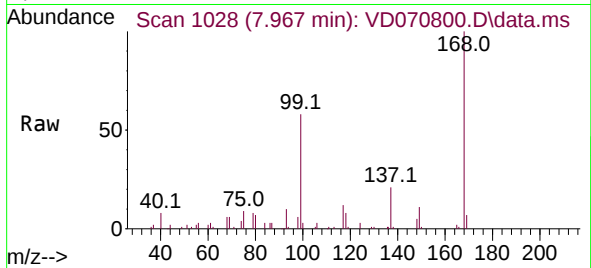
Tgt Ion: 43	Resp: 89		
Ion Ratio	Lower	Upper	
43 100			
86 0.0	9.8	14.6#	



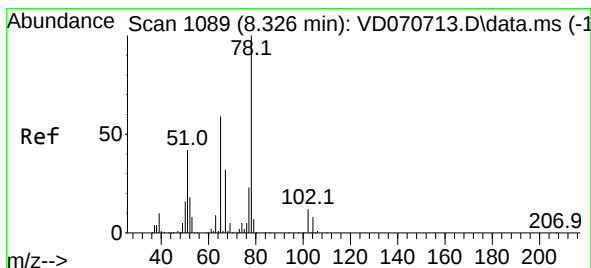
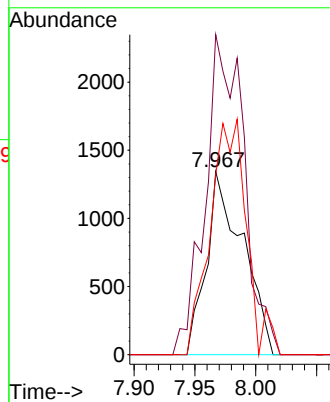
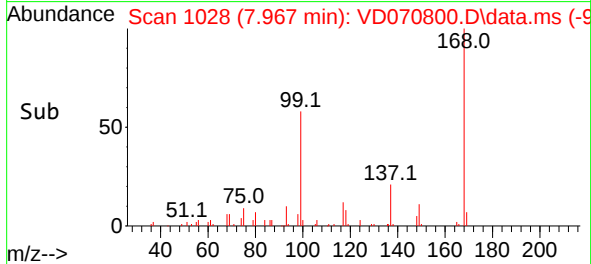


#31
Cyclohexane
Concen: 1.200 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD070800.D
Acq: 21 Oct 2021 14:49

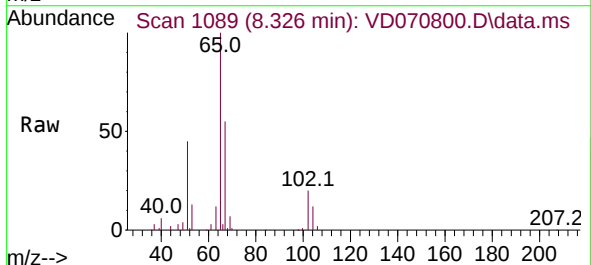
Instrument :
MSVOA_D
ClientSampled :



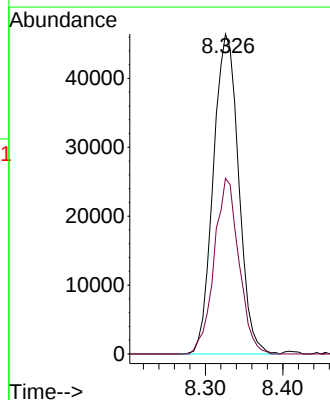
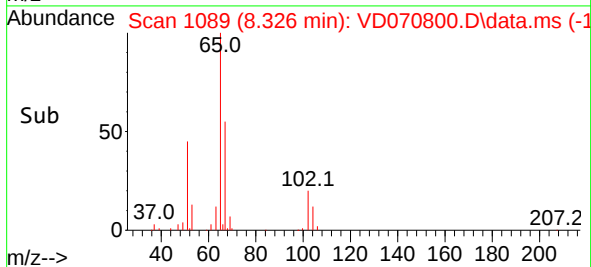
Tgt Ion: 56 Resp: 2791
Ion Ratio Lower Upper
56 100
69 174.6 27.4 41.2#
84 98.2 73.6 110.4

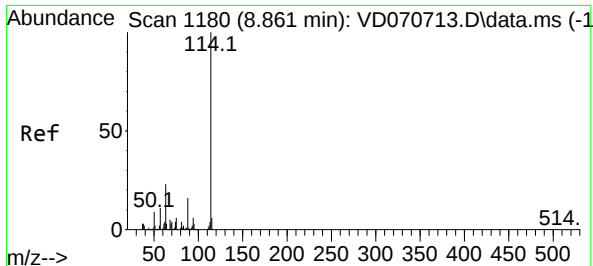


#33
1,2-Dichloroethane-d4
Concen: 91.784 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070800.D
Acq: 21 Oct 2021 14:49



Tgt Ion: 65 Resp: 105477
Ion Ratio Lower Upper
65 100
67 53.6 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD070800.D

Acq: 21 Oct 2021 14:49

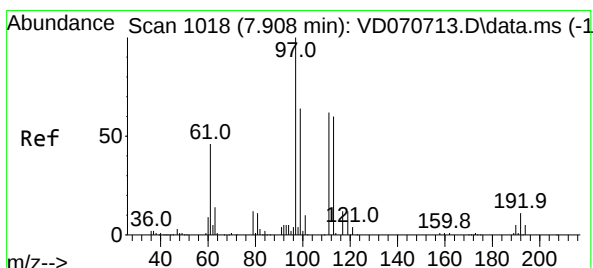
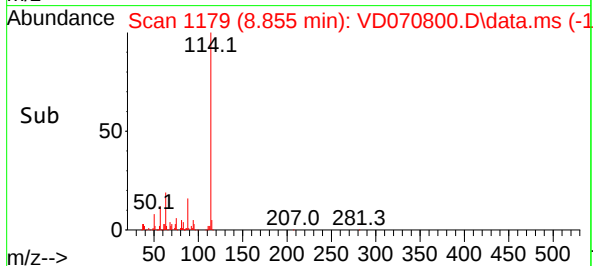
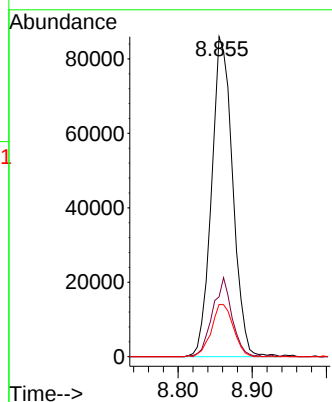
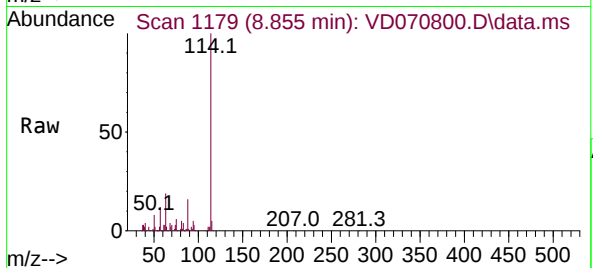
Tgt Ion:114 Resp: 170152

Ion Ratio Lower Upper

114 100

63 18.7 0.0 41.8

88 16.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 68.156 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD070800.D

Acq: 21 Oct 2021 14:49

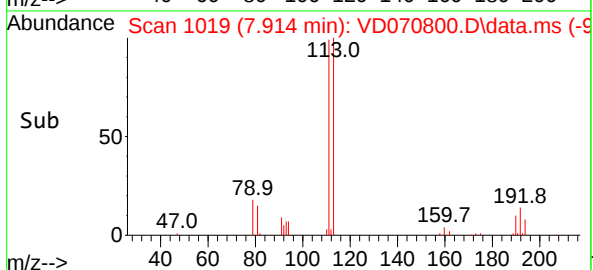
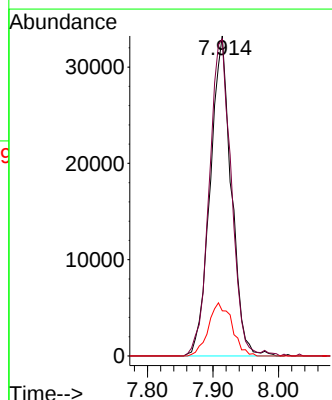
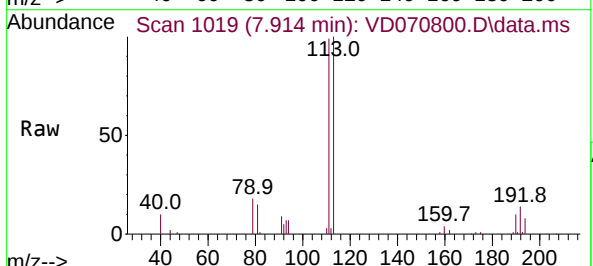
Tgt Ion:113 Resp: 74256

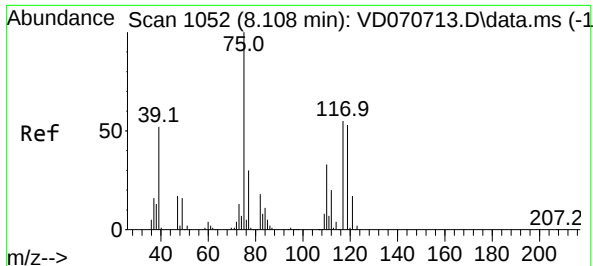
Ion Ratio Lower Upper

113 100

111 102.6 83.1 124.7

192 18.5 12.7 19.1

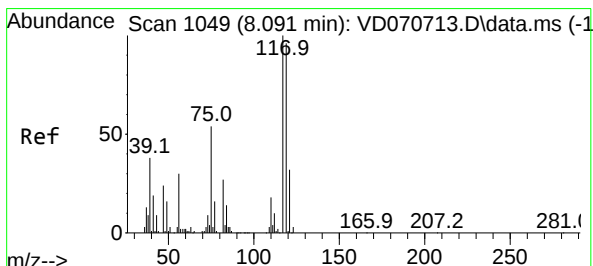
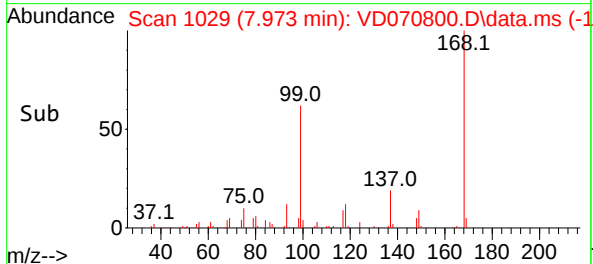
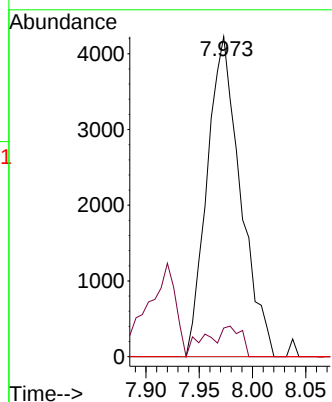
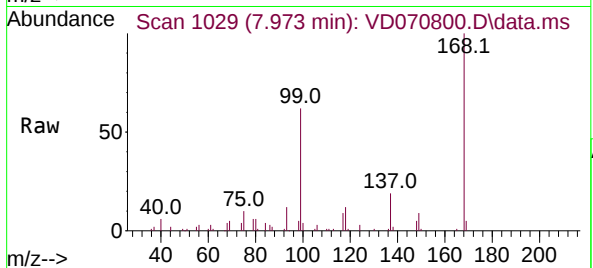




#36
1,1-Dichloropropene
Concen: 4.860 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070800.D
Acq: 21 Oct 2021 14:49

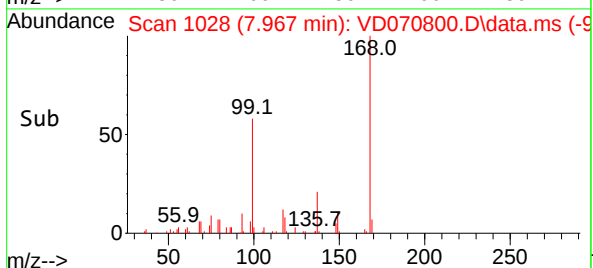
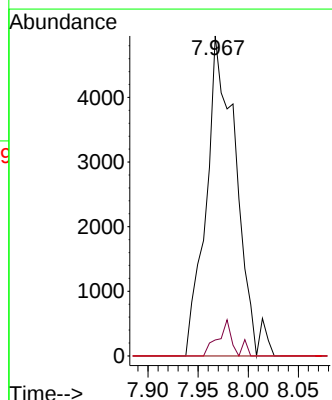
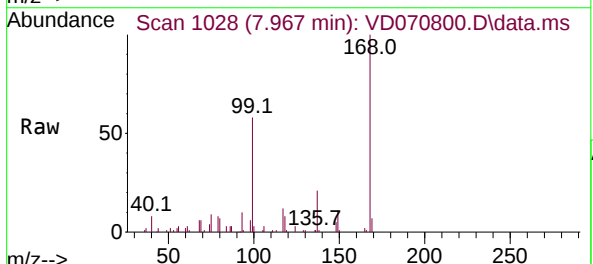
Instrument :
MSVOA_D
ClientSampled :

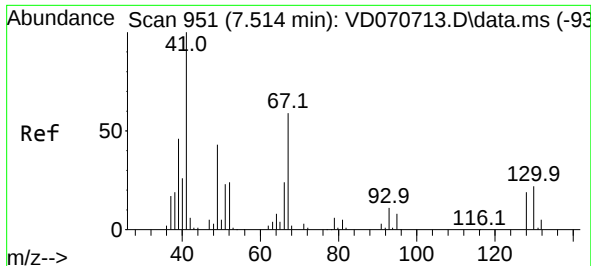
Tgt Ion: 75 Resp: 9212
Ion Ratio Lower Upper
75 100
110 10.0 17.2 51.6#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 5.656 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD070800.D
Acq: 21 Oct 2021 14:49

Tgt Ion: 117 Resp: 10268
Ion Ratio Lower Upper
117 100
119 5.0 77.4 116.0#
121 0.0 25.4 38.0#

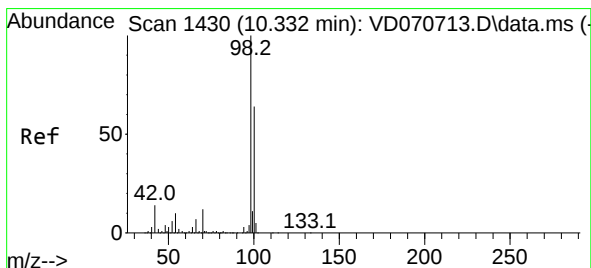
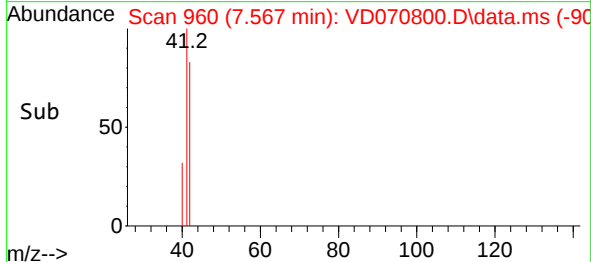
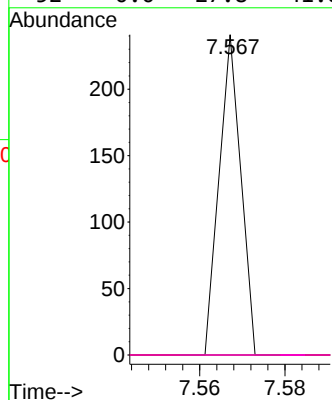
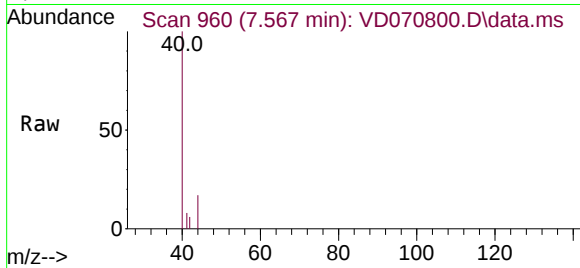




#41
Methacrylonitrile
Concen: 2.108 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.053 min
Lab File: VD070800.D
Acq: 21 Oct 2021 14:49

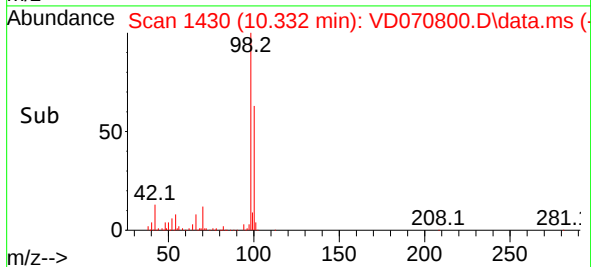
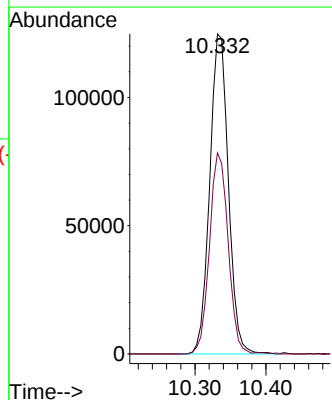
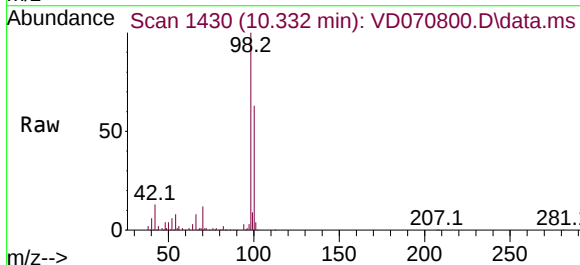
Instrument :
MSVOA_D
ClientSampled :

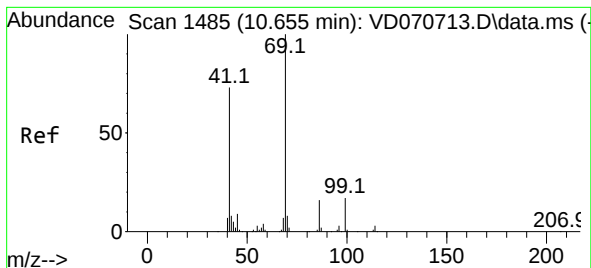
Tgt Ion:	41	Resp:	85
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.2	67.8#
67	0.0	75.8	113.6#
52	0.0	27.8	41.8#



#50
Toluene-d8
Concen: 54.414 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD070800.D
Acq: 21 Oct 2021 14:49

Tgt Ion:	98	Resp:	227253
Ion	Ratio	Lower	Upper
98	100		
100	62.7	52.2	78.4

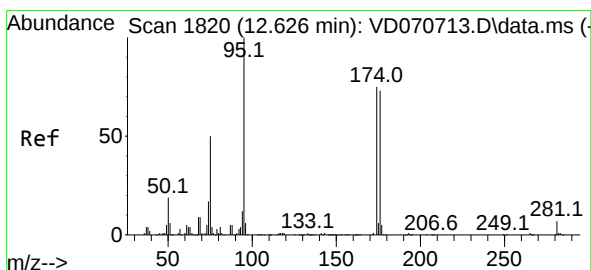
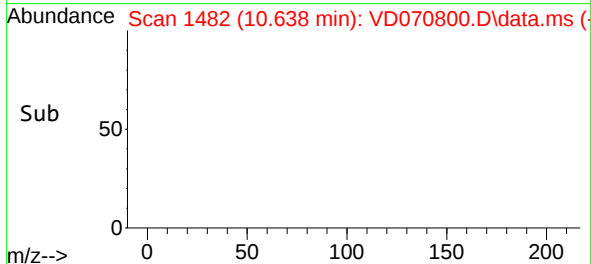
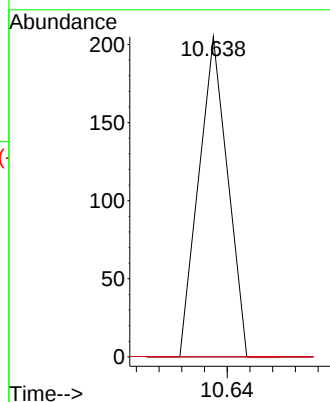
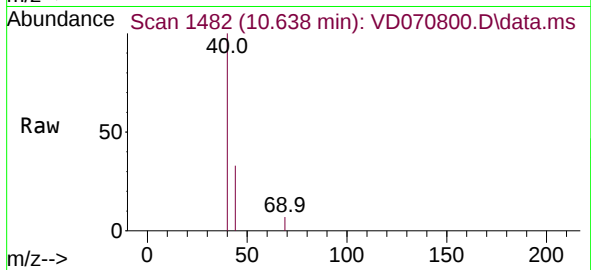




#56
Ethyl methacrylate
Concen: 4.207 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.017 min
Lab File: VD070800.D
Acq: 21 Oct 2021 14:49

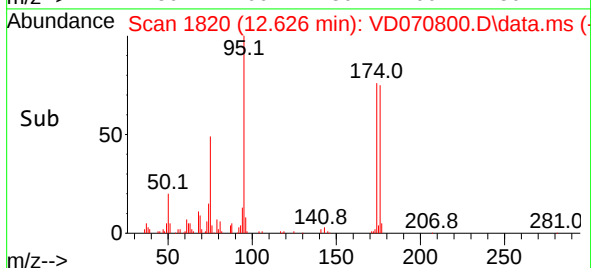
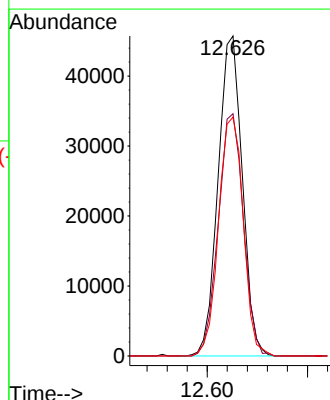
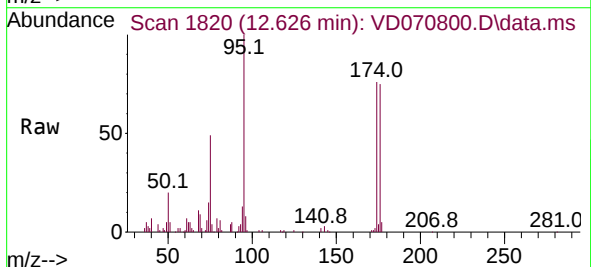
Instrument :
MSVOA_D
ClientSampled :

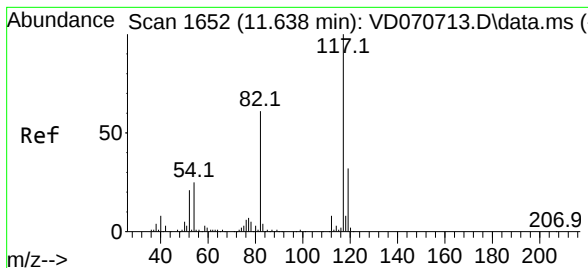
Tgt Ion: 69 Resp: 72
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 0.0 19.5 29.3#



#62
4-Bromofluorobenzene
Concen: 53.229 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070800.D
Acq: 21 Oct 2021 14:49

Tgt Ion: 95 Resp: 76547
Ion Ratio Lower Upper
95 100
174 78.2 0.0 138.0
176 76.2 0.0 135.6

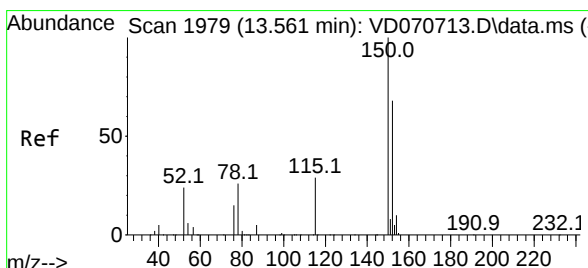
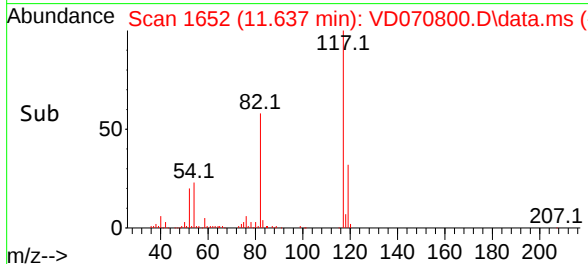
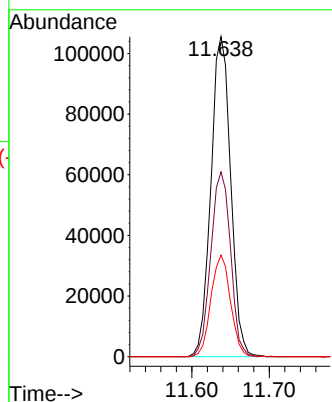
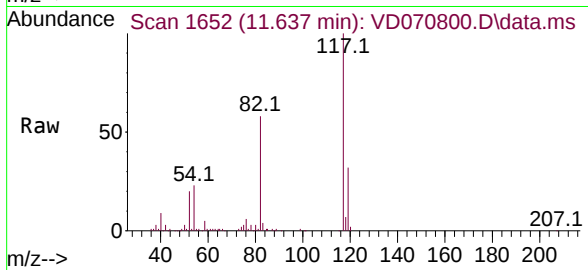




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070800.D
Acq: 21 Oct 2021 14:49

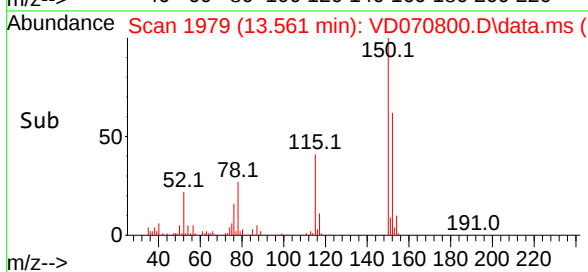
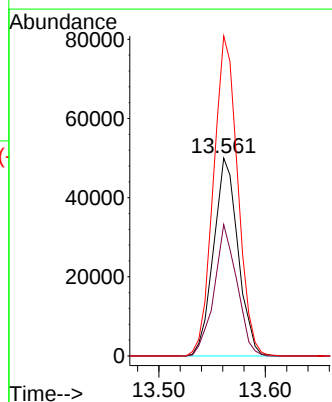
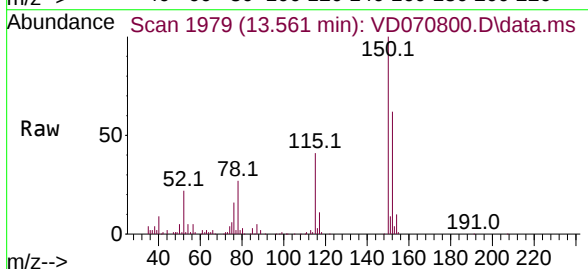
Instrument :
MSVOA_D
ClientSampleId :

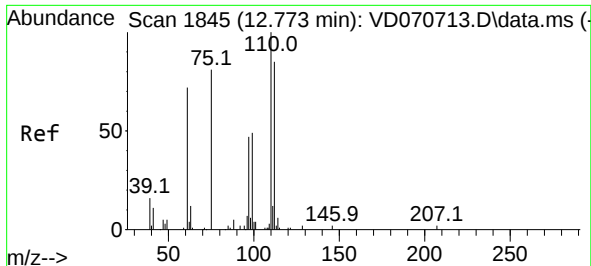
Tgt Ion:117 Resp: 187439
Ion Ratio Lower Upper
117 100
82 57.7 45.4 68.2
119 31.7 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070800.D
Acq: 21 Oct 2021 14:49

Tgt Ion:152 Resp: 79742
Ion Ratio Lower Upper
152 100
115 61.9 31.9 95.7
150 160.4 0.0 350.0

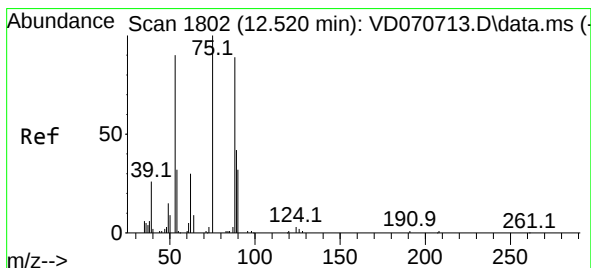
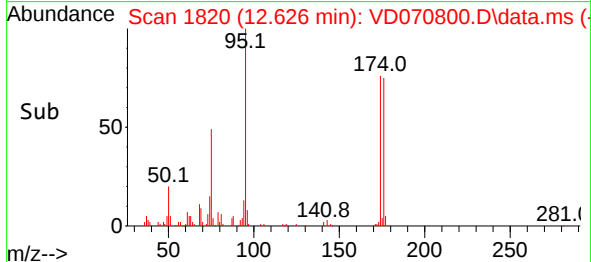
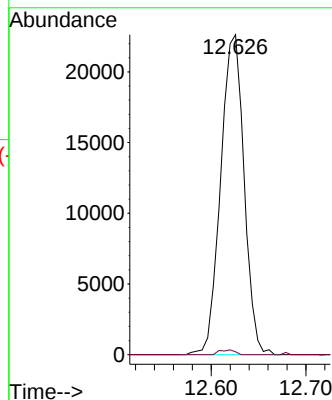
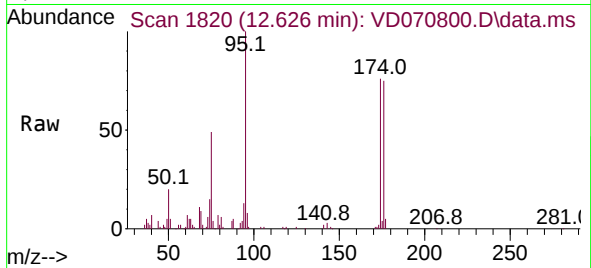




#76
1,2,3-Trichloropropane
Concen: 56.435 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070800.D
Acq: 21 Oct 2021 14:49

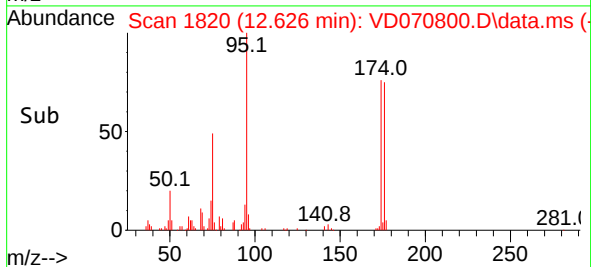
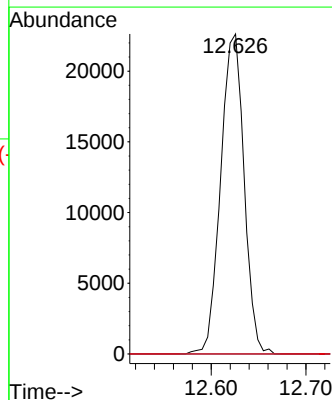
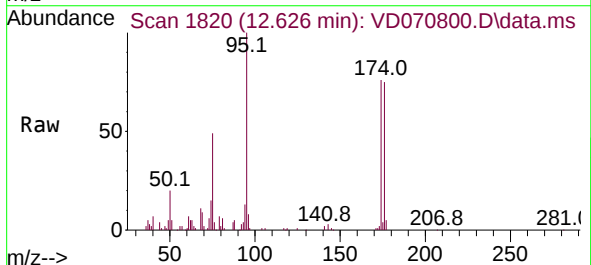
Instrument :
MSVOA_D
ClientSampled :

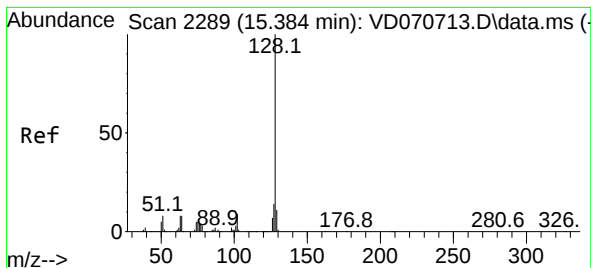
Tgt Ion: 75 Resp: 38880
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.609 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070800.D
Acq: 21 Oct 2021 14:49

Tgt Ion: 75 Resp: 38880
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 4.898 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD070800.D
Acq: 21 Oct 2021 14:49

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 301
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

