

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101921\
 Data File : VD070752.D
 Acq On : 19 Oct 2021 12:11
 Operator : VA/SY
 Sample : M4259-01RE
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1-CSRE

Quant Time: Oct 20 04:39:56 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)

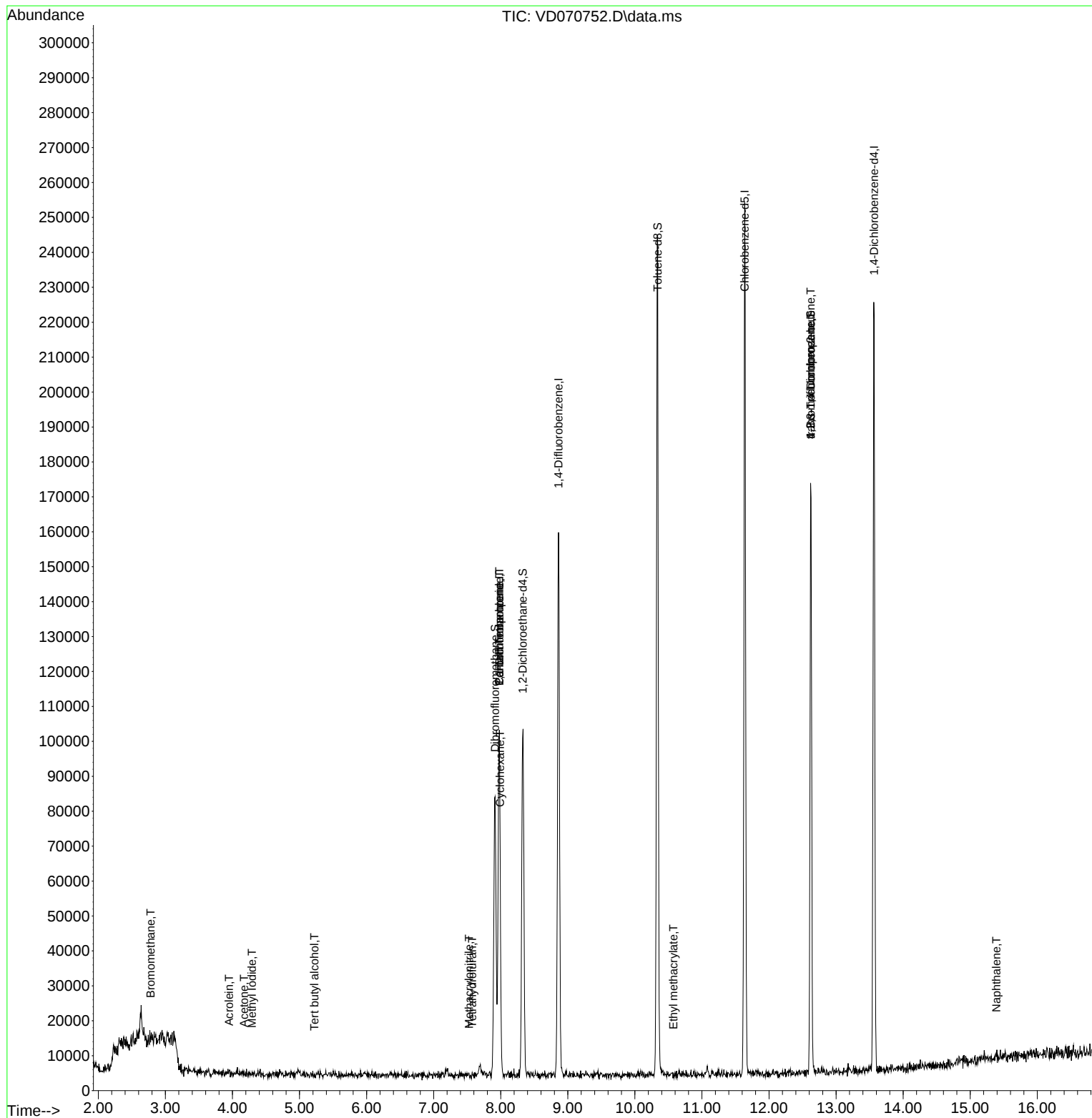
Internal Standards						
1) Pentafluorobenzene	7.979	168	67090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	121943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	136349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	59018	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	78710	99.052	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 198.100%#			
35) Dibromofluoromethane	7.914	113	57771	73.989	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 147.980%#			
50) Toluene-d8	10.338	98	162898	54.424	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.840%			
62) 4-Bromofluorobenzene	12.620	95	57009	55.316	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.640%			
Target Compounds					Qvalue	
5) Bromomethane	2.779	94	996	1.370	ug/l #	68
10) Methyl Iodide	4.291	142	87	3.417	ug/l #	38
11) Tert butyl alcohol	5.220	59	63	1.416	ug/l #	83
13) Acrolein	3.950	56	56	1.301	ug/l #	14
16) Acetone	4.173	43	455	2.374	ug/l	88
20) Methylene Chloride	4.967	84	392	Below Cal	#	17
29) Tetrahydrofuran	7.573	42	174	1.200	ug/l #	56
31) Cyclohexane	7.991	56	1830	1.138	ug/l #	9
36) 1,1-Dichloropropene	7.979	75	6797	5.003	ug/l #	45
38) Carbon Tetrachloride	7.979	117	8055	6.191	ug/l #	15
41) Methacrylonitrile	7.526	41	55	2.092	ug/l #	16
56) Ethyl methacrylate	10.573	69	59	4.214	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	29423	57.705	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	29423	126.391	ug/l #	17
95) Naphthalene	15.390	128	772	5.158	ug/l #	69

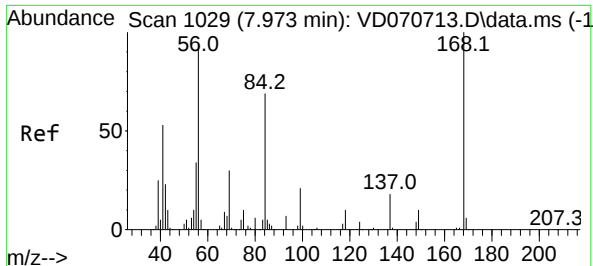
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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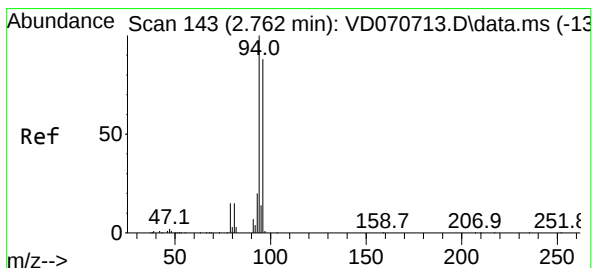
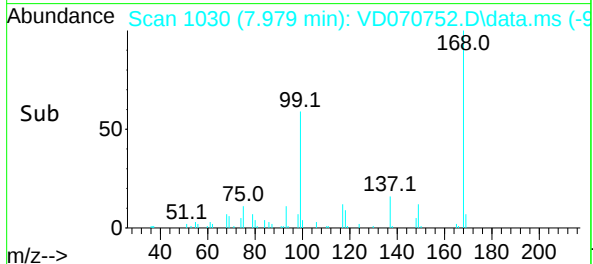
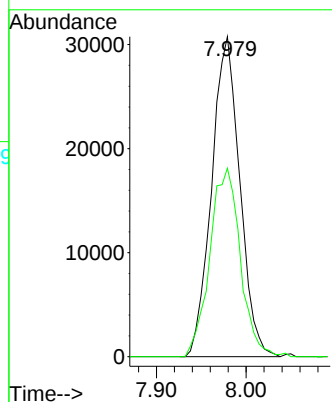
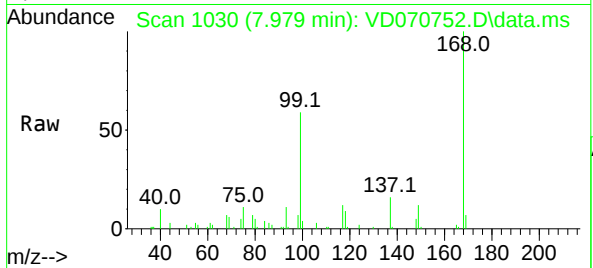




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070752.D
Acq: 19 Oct 2021 12:11

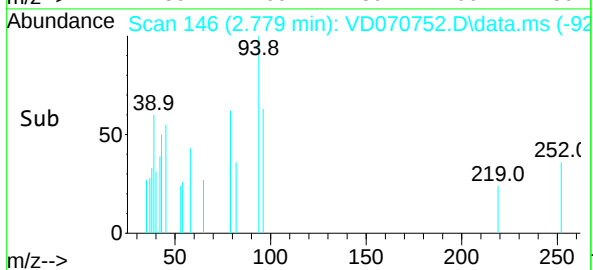
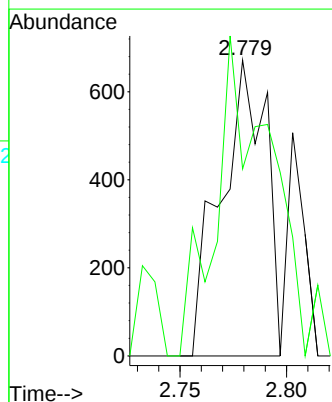
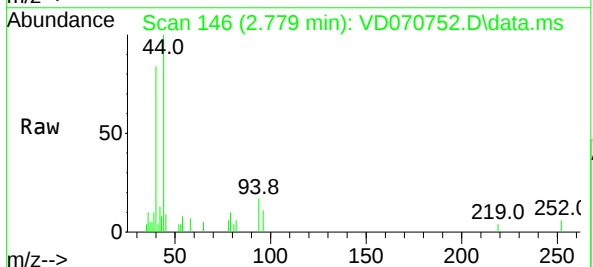
Instrument :
MSVOA_D
ClientSampleId :
WC-1-CSRE

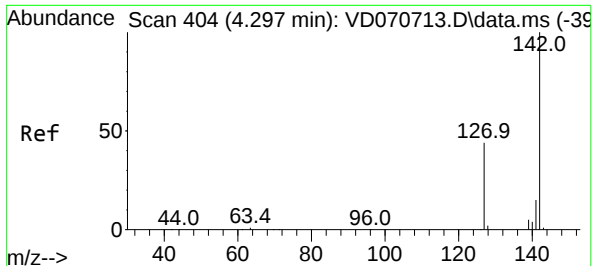
Tgt Ion:168 Resp: 67090
Ion Ratio Lower Upper
168 100
99 58.9 51.4 77.0



#5
Bromomethane
Concen: 1.370 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.018 min
Lab File: VD070752.D
Acq: 19 Oct 2021 12:11

Tgt Ion: 94 Resp: 996
Ion Ratio Lower Upper
94 100
96 63.2 75.5 113.3#

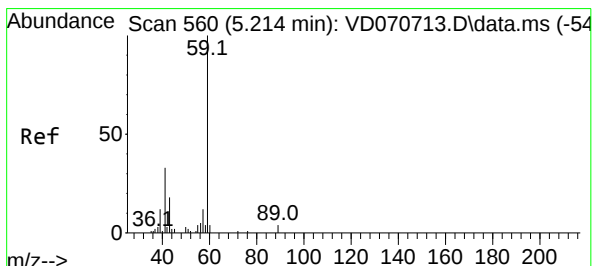
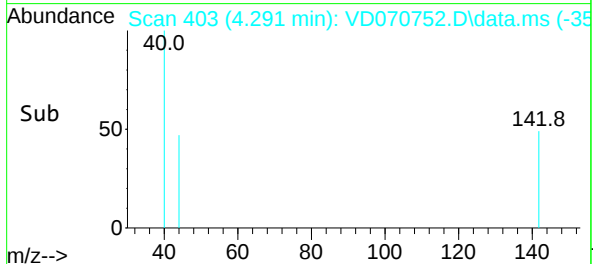
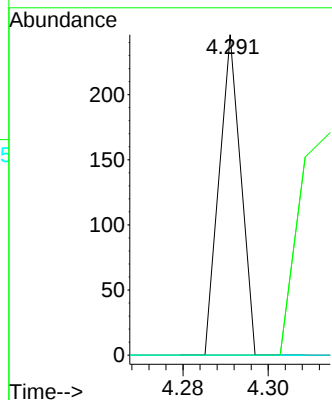
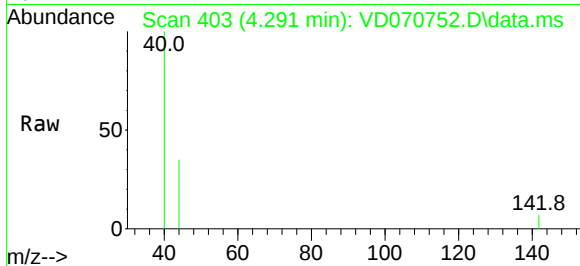




#10
Methyl Iodide
Concen: 3.417 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070752.D
Acq: 19 Oct 2021 12:11

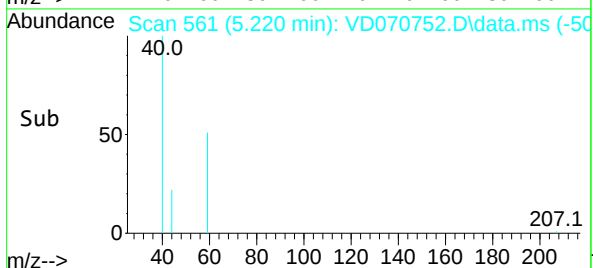
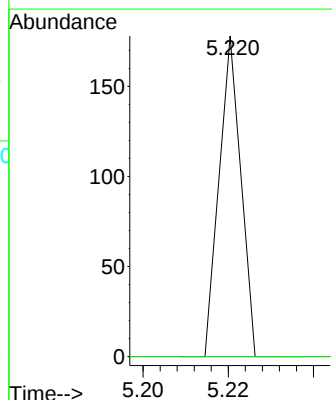
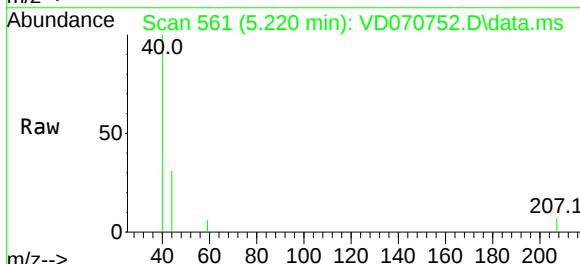
Instrument :
MSVOA_D
ClientSampleId :
WC-1-CSRE

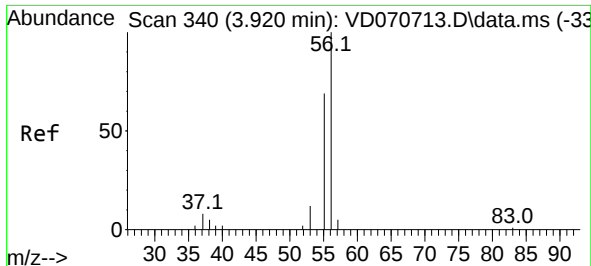
Tgt Ion:142 Resp: 87
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: 1.416 ug/l
RT: 5.220 min Scan# 561
Delta R.T. 0.006 min
Lab File: VD070752.D
Acq: 19 Oct 2021 12:11

Tgt Ion: 59 Resp: 63
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

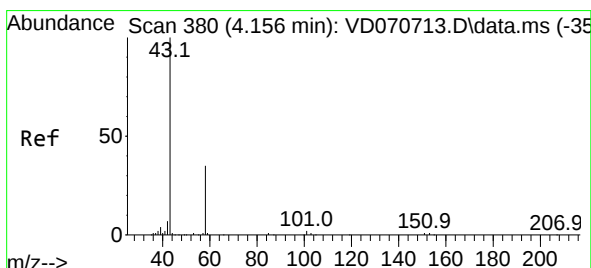
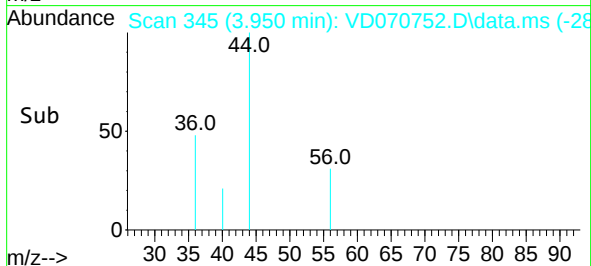
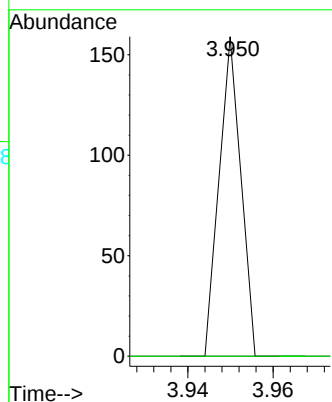
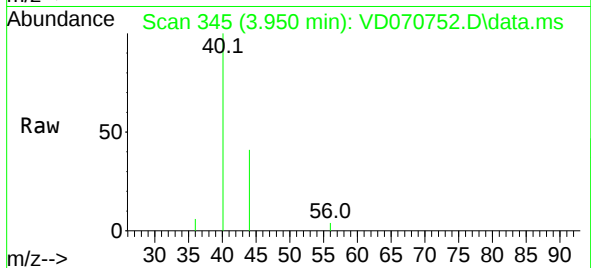




#13
Acrolein
Concen: 1.301 ug/l
RT: 3.950 min Scan# 345
Delta R.T. 0.030 min
Lab File: VD070752.D
Acq: 19 Oct 2021 12:11

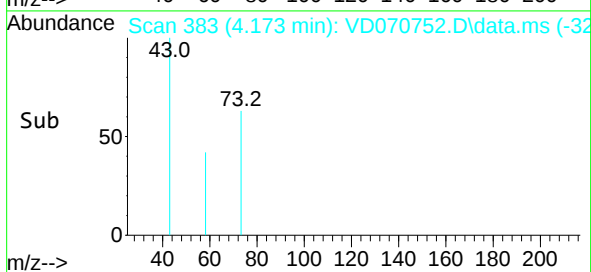
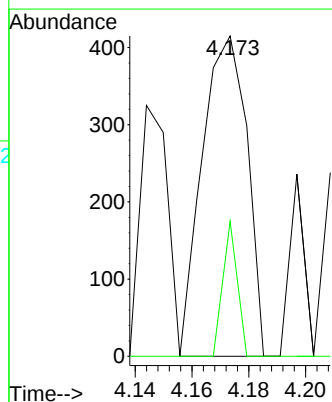
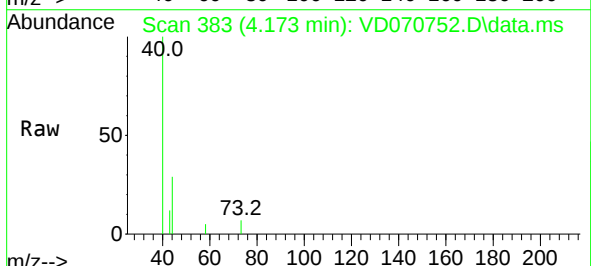
Instrument :
MSVOA_D
ClientSampleId :
WC-1-CSRE

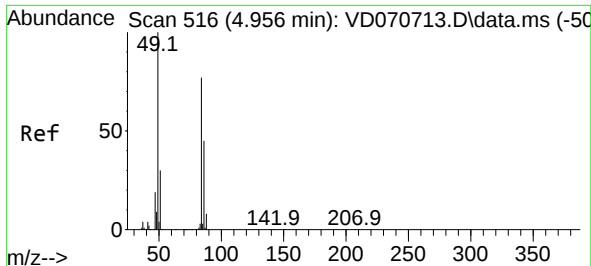
Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
55 0.0 56.8 85.2#



#16
Acetone
Concen: 2.374 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.018 min
Lab File: VD070752.D
Acq: 19 Oct 2021 12:11

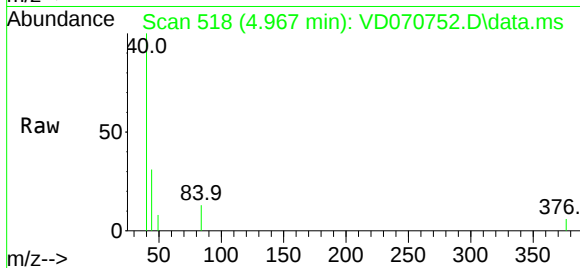
Tgt Ion: 43 Resp: 455
Ion Ratio Lower Upper
43 100
58 42.2 28.2 42.2



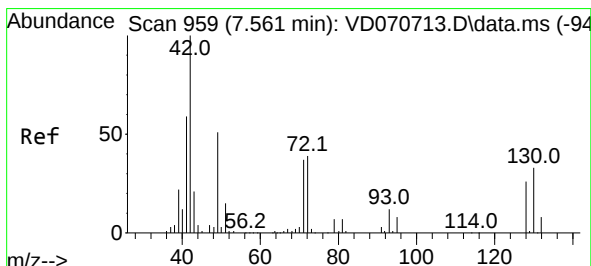
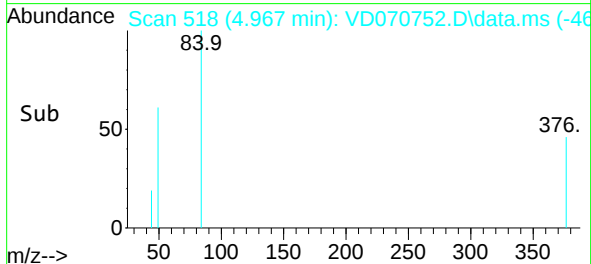
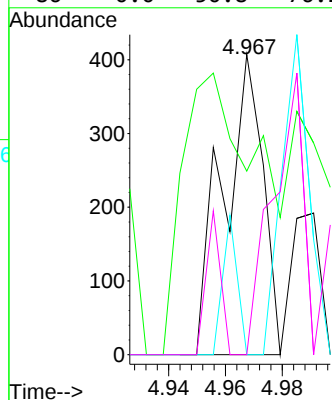


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.011 min
Lab File: VD070752.D
Acq: 19 Oct 2021 12:11

Instrument :
MSVOA_D
ClientSampleId :
WC-1-CSRE

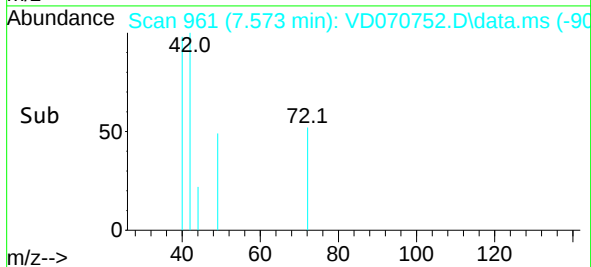
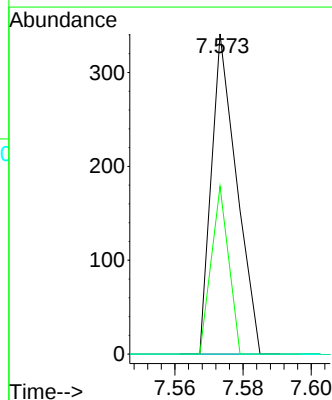
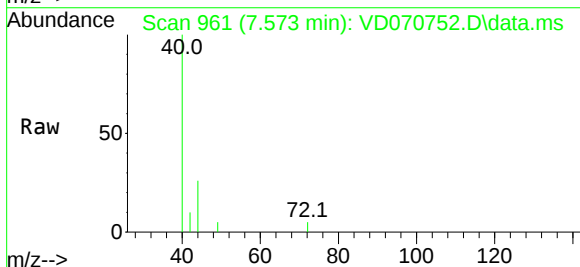


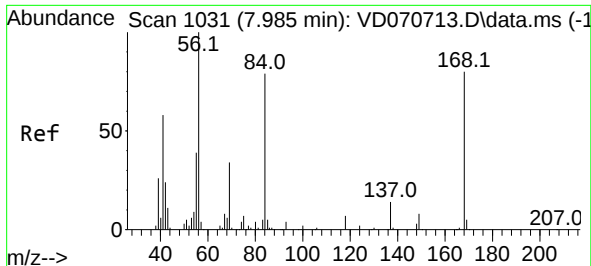
Tgt Ion	84	Resp:	392
Ion	Ratio	Lower	Upper
84	100		
49	15.5	91.4	137.2#
51	0.0	26.7	40.1#
86	0.0	50.8	76.2#



#29
Tetrahydrofuran
Concen: 1.200 ug/l
RT: 7.573 min Scan# 961
Delta R.T. 0.012 min
Lab File: VD070752.D
Acq: 19 Oct 2021 12:11

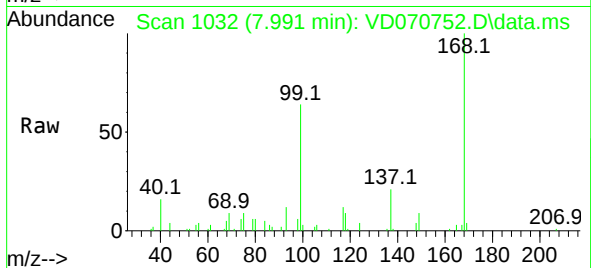
Tgt Ion	42	Resp:	174
Ion	Ratio	Lower	Upper
42	100		
72	36.2	40.2	60.4#
71	0.0	37.2	55.8#



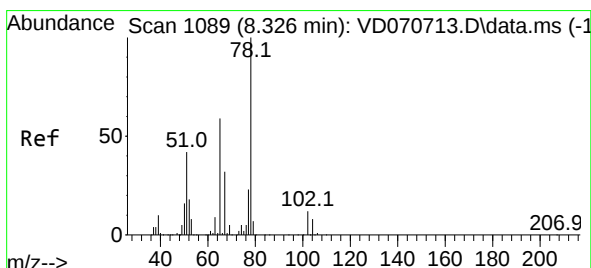
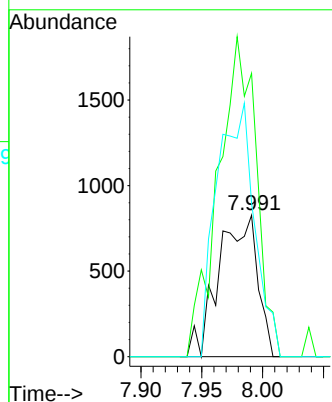
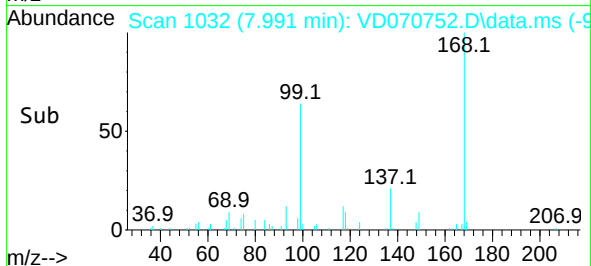


#31
Cyclohexane
Concen: 1.138 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VD070752.D
Acq: 19 Oct 2021 12:11

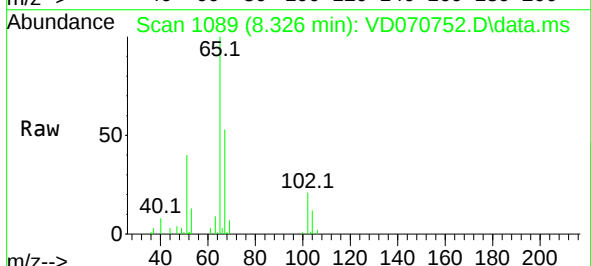
Instrument :
MSVOA_D
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WC-1-CSRE



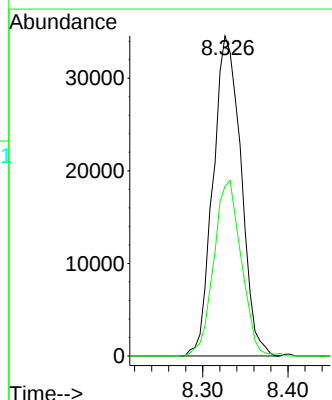
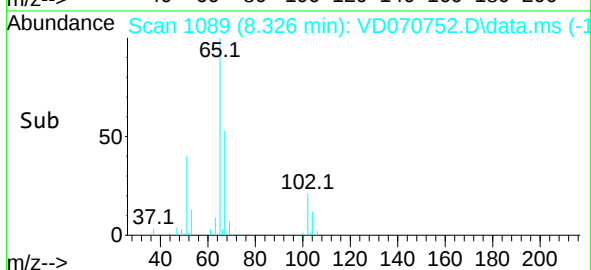
Tgt Ion: 56 Resp: 1830
Ion Ratio Lower Upper
56 100
69 200.2 27.4 41.2#
84 108.6 73.6 110.4

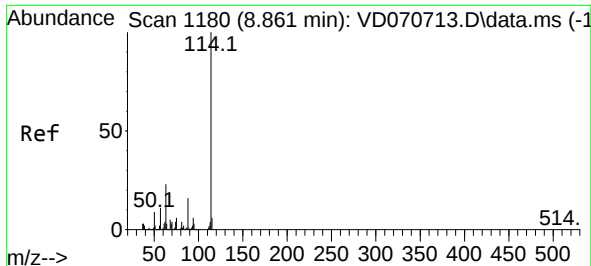


#33
1,2-Dichloroethane-d4
Concen: 99.052 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070752.D
Acq: 19 Oct 2021 12:11



Tgt Ion: 65 Resp: 78710
Ion Ratio Lower Upper
65 100
67 53.9 0.0 110.2

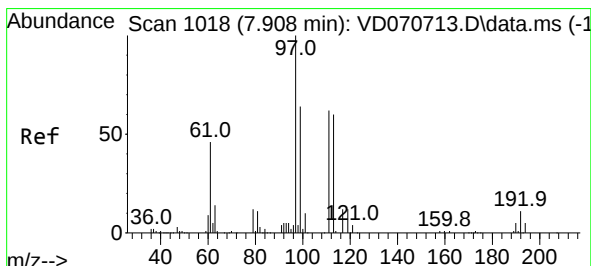
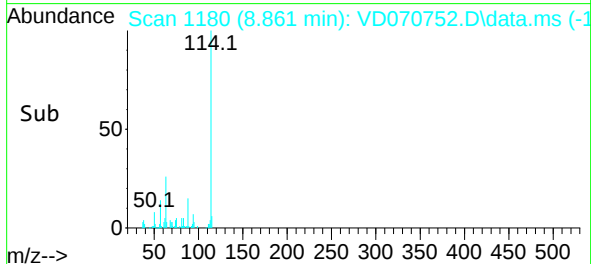
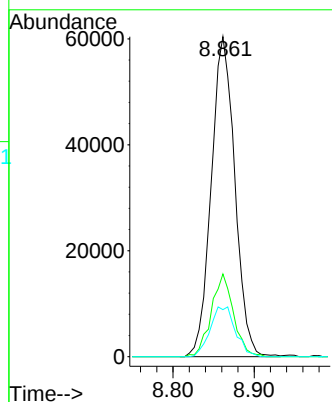
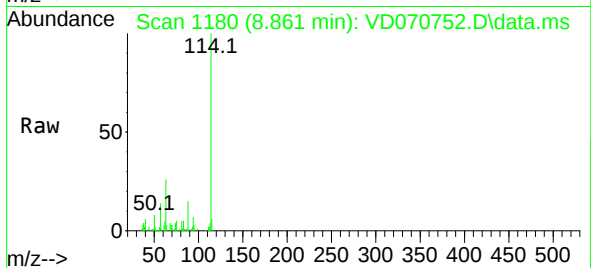




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070752.D
Acq: 19 Oct 2021 12:11

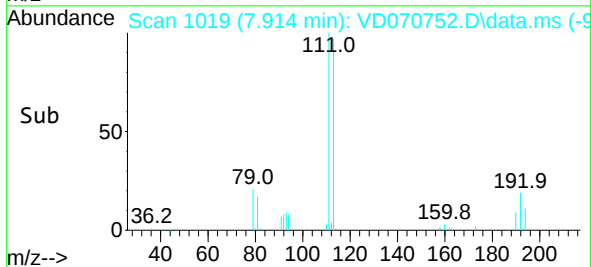
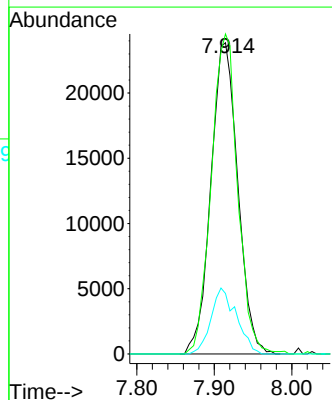
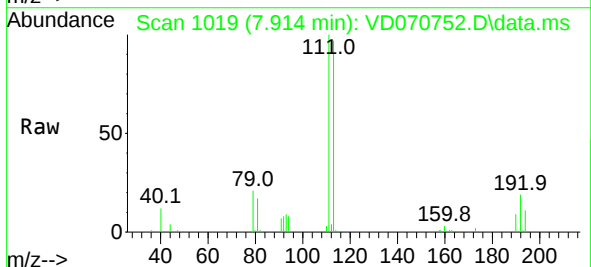
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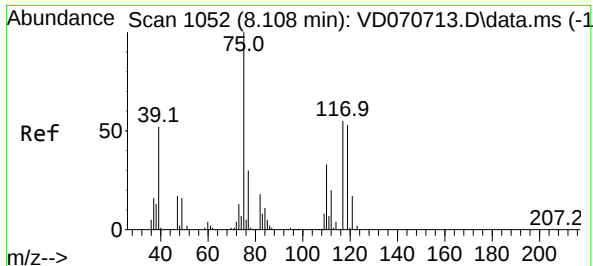
Tgt Ion:114	Resp:	121943
Ion Ratio	Lower	Upper
114	100	
63	25.8	0.0 41.8
88	14.7	0.0 32.6



#35
Dibromofluoromethane
Concen: 73.989 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VD070752.D
Acq: 19 Oct 2021 12:11

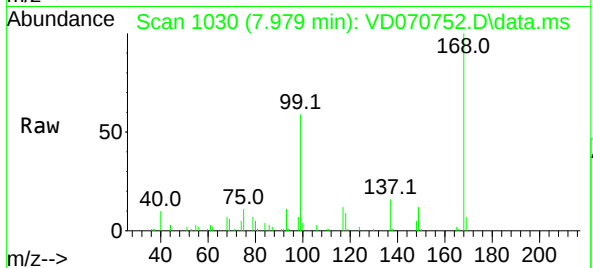
Tgt Ion:113	Resp:	57771
Ion Ratio	Lower	Upper
113	100	
111	100.5	83.1 124.7
192	20.0	12.7 19.1#



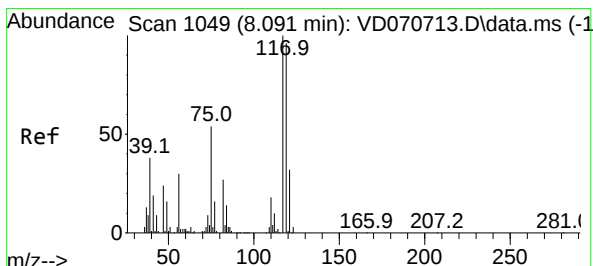
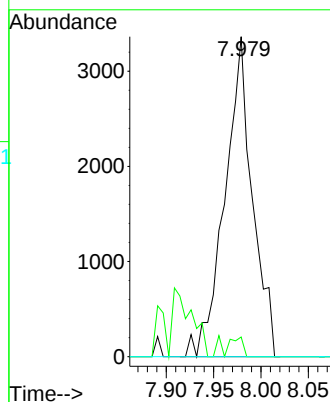
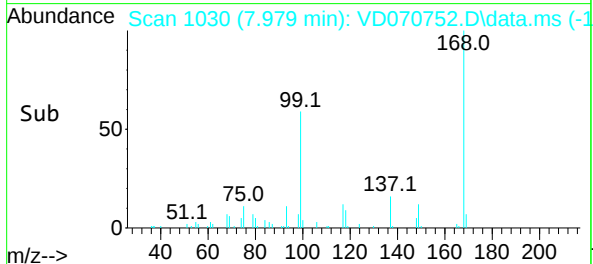


#36
1,1-Dichloropropene
Concen: 5.003 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070752.D
Acq: 19 Oct 2021 12:11

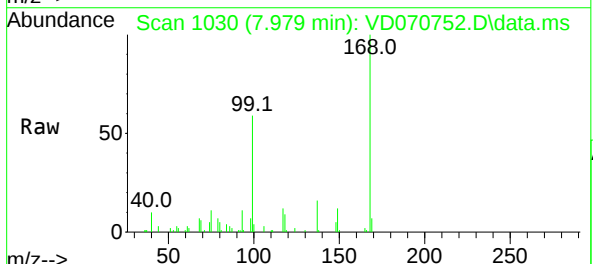
Instrument :
MSVOA_D
ClientSampleId :
WC-1-CSRE



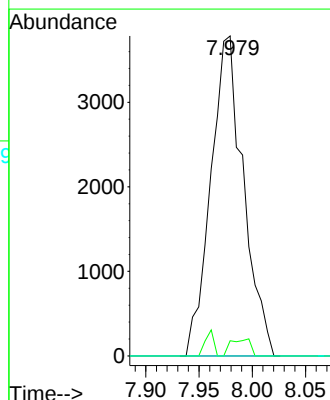
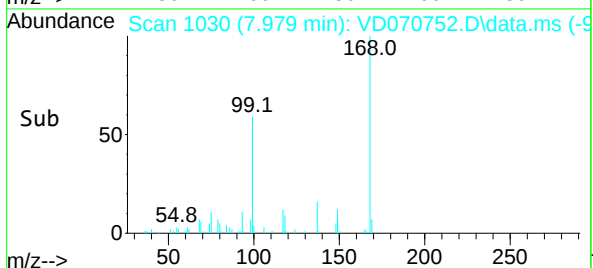
Tgt Ion: 75 Resp: 6797
Ion Ratio Lower Upper
75 100
110 2.9 17.2 51.6#
77 0.0 24.2 36.4#

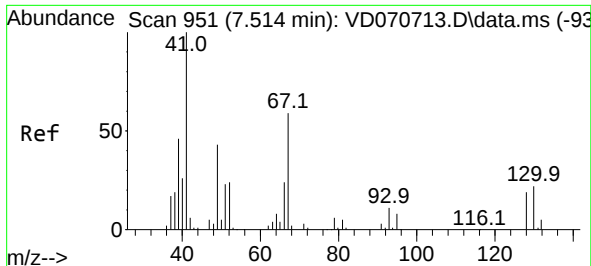


#38
Carbon Tetrachloride
Concen: 6.191 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070752.D
Acq: 19 Oct 2021 12:11



Tgt Ion: 117 Resp: 8055
Ion Ratio Lower Upper
117 100
119 4.7 77.4 116.0#
121 0.0 25.4 38.0#

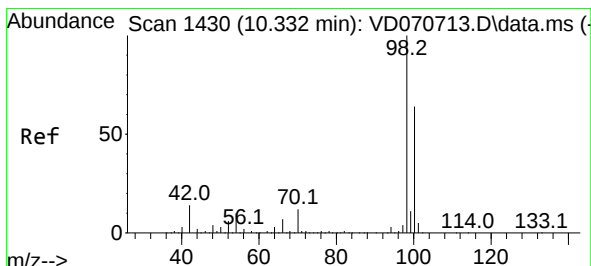
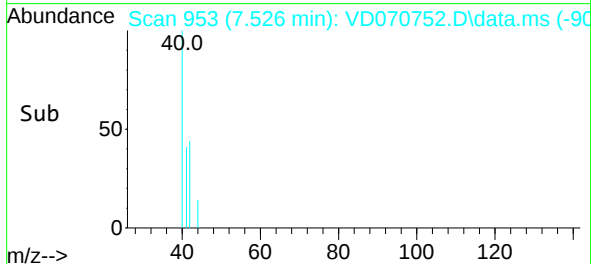
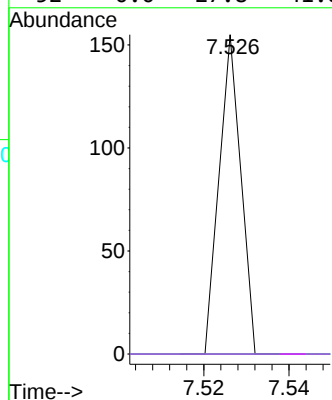
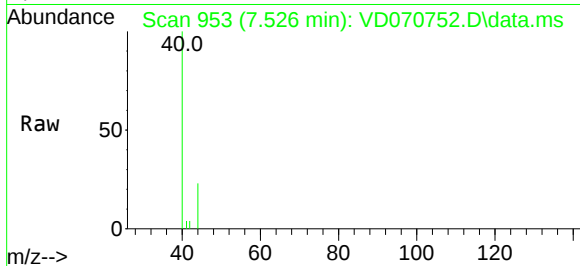




#41
Methacrylonitrile
Concen: 2.092 ug/l
RT: 7.526 min Scan# 953
Delta R.T. 0.012 min
Lab File: VD070752.D
Acq: 19 Oct 2021 12:11

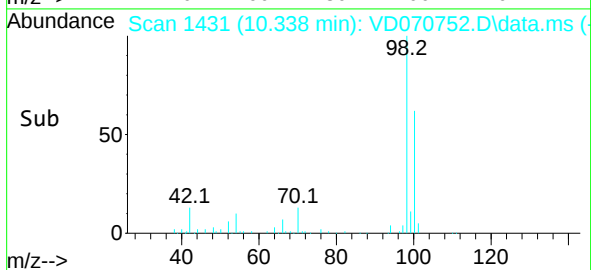
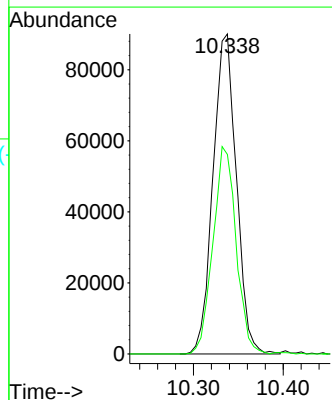
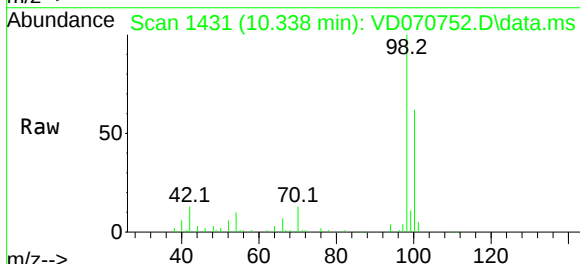
Instrument :
MSVOA_D
ClientSampleId :
WC-1-CSRE

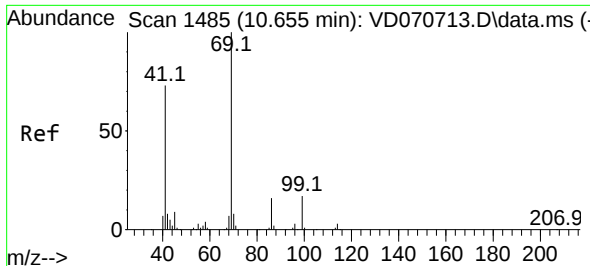
Tgt Ion:	41	Resp:	55
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.2	67.8#
67	0.0	75.8	113.6#
52	0.0	27.8	41.8#



#50
Toluene-d8
Concen: 54.424 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070752.D
Acq: 19 Oct 2021 12:11

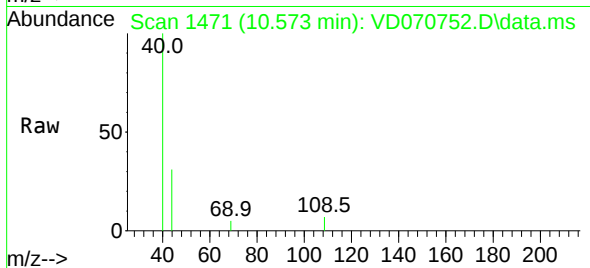
Tgt Ion:	98	Resp:	162898
Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.2	78.4



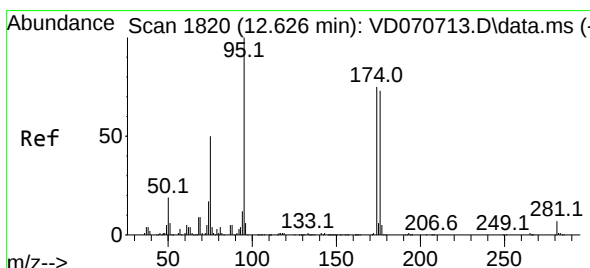
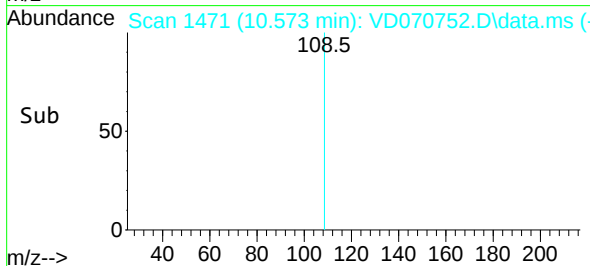
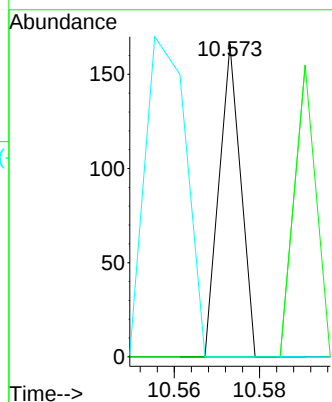


#56
Ethyl methacrylate
Concen: 4.214 ug/l
RT: 10.573 min Scan# 1471
Delta R.T. -0.082 min
Lab File: VD070752.D
Acq: 19 Oct 2021 12:11

Instrument :
MSVOA_D
ClientSampleId :
WC-1-CSRE

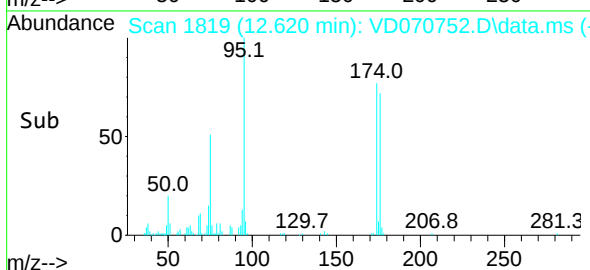
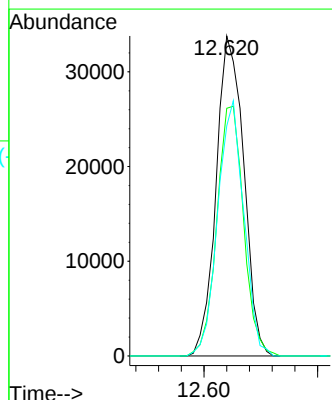
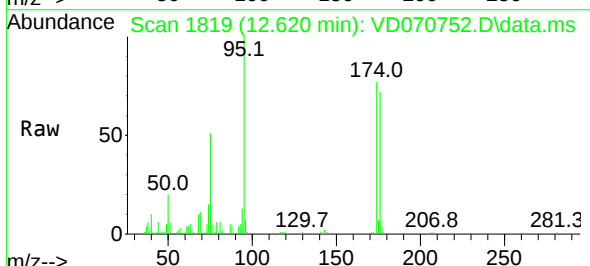


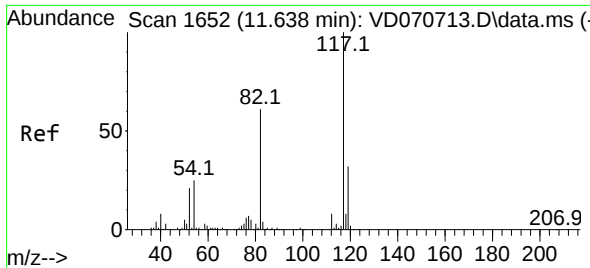
Tgt Ion:	69	Resp:	59
Ion	Ratio	Lower	Upper
69	100		
41	0.0	44.7	67.1#
39	191.5	19.5	29.3#



#62
4-Bromofluorobenzene
Concen: 55.316 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070752.D
Acq: 19 Oct 2021 12:11

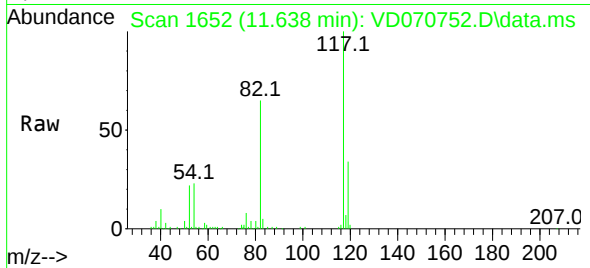
Tgt Ion:	95	Resp:	57009
Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	138.0
176	75.3	0.0	135.6



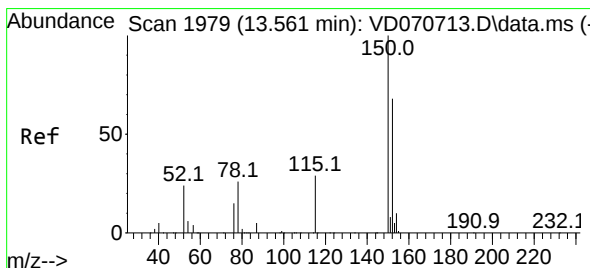
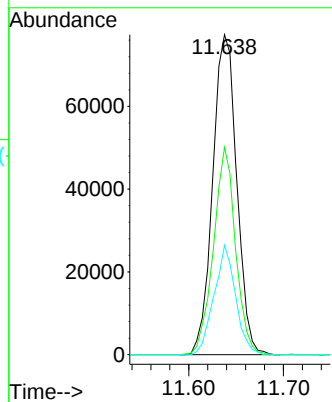
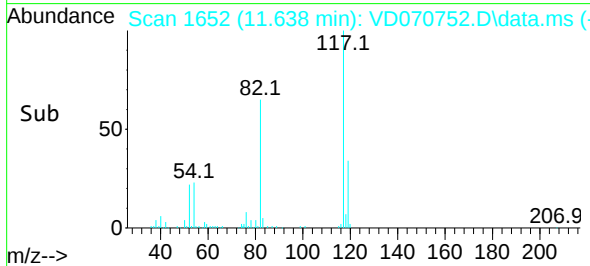


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070752.D
Acq: 19 Oct 2021 12:11

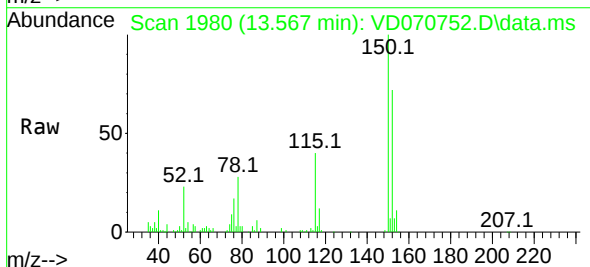
Instrument :
MSVOA_D
ClientSampleId :
WC-1-CSRE



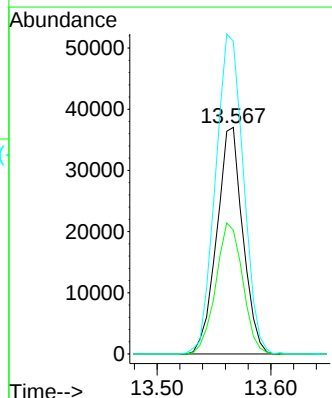
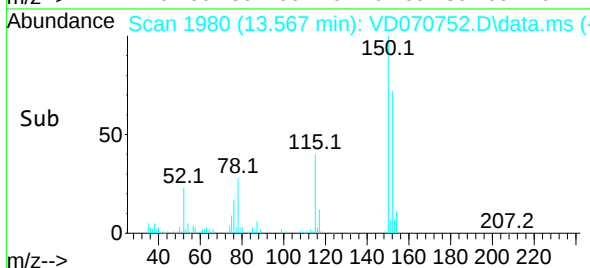
Tgt Ion:117 Resp: 136349
Ion Ratio Lower Upper
117 100
82 64.8 45.4 68.2
119 34.2 24.7 37.1

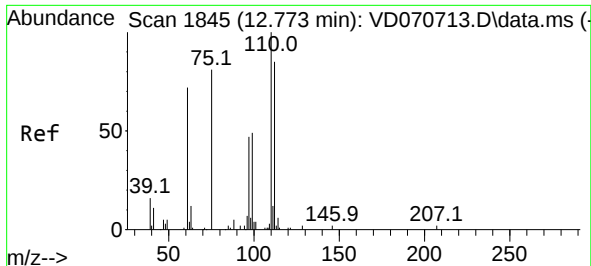


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD070752.D
Acq: 19 Oct 2021 12:11



Tgt Ion:152 Resp: 59018
Ion Ratio Lower Upper
152 100
115 59.5 31.9 95.7
150 151.3 0.0 350.0

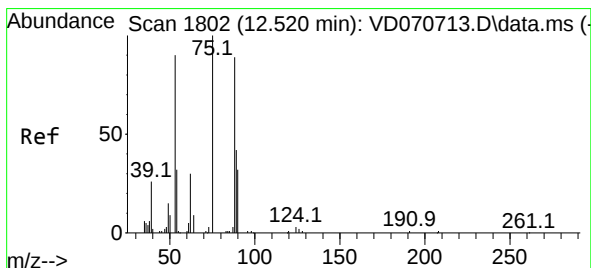
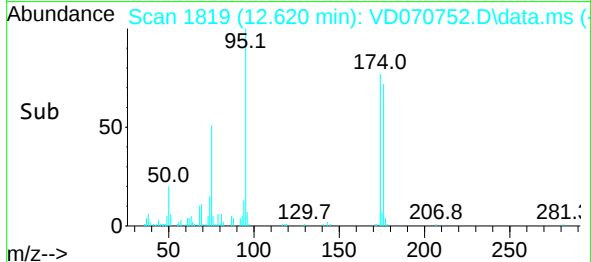
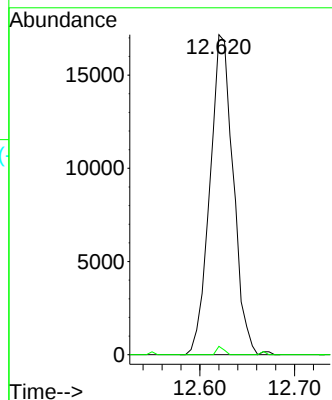
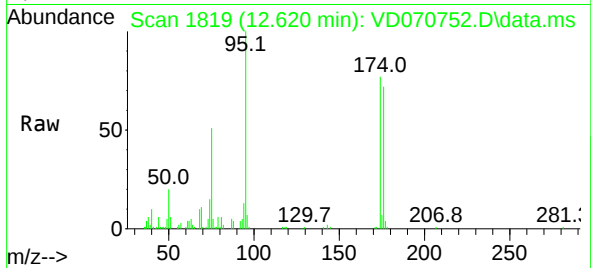




#76
1,2,3-Trichloropropane
Concen: 57.705 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070752.D
Acq: 19 Oct 2021 12:11

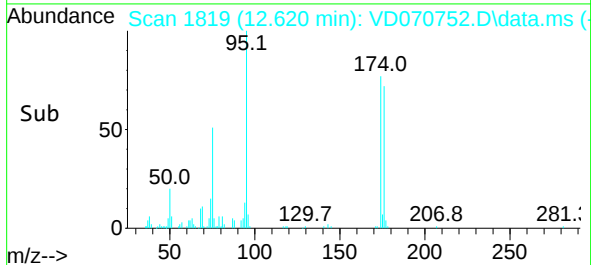
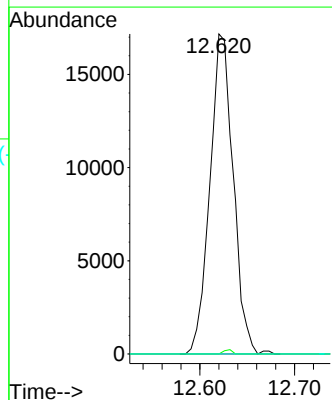
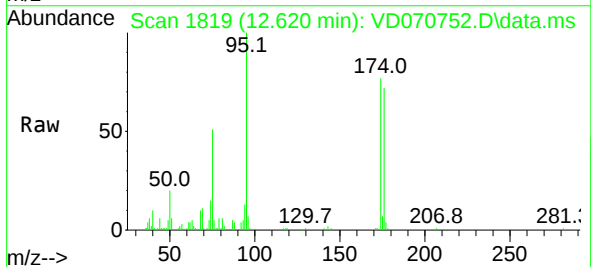
Instrument :
MSVOA_D
ClientSampleId :
WC-1-CSRE

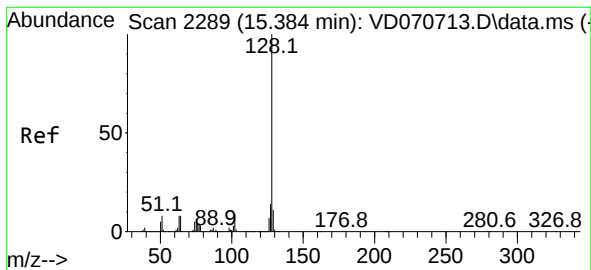
Tgt Ion: 75 Resp: 29423
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.391 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070752.D
Acq: 19 Oct 2021 12:11

Tgt Ion: 75 Resp: 29423
Ion Ratio Lower Upper
75 100
53 0.5 64.5 96.7#
89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 5.158 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD070752.D
Acq: 19 Oct 2021 12:11

Instrument :
MSVOA_D
ClientSampleId :
WC-1-CSRE

Tgt Ion:128 Resp: 772
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

