

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091421\
 Data File : VD070352.D
 Acq On : 14 Sep 2021 14:40
 Operator : VA/SY
 Sample : M3687-23RE
 Misc : 7.21G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A010015RE

Quant Time: Sep 15 02:46:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

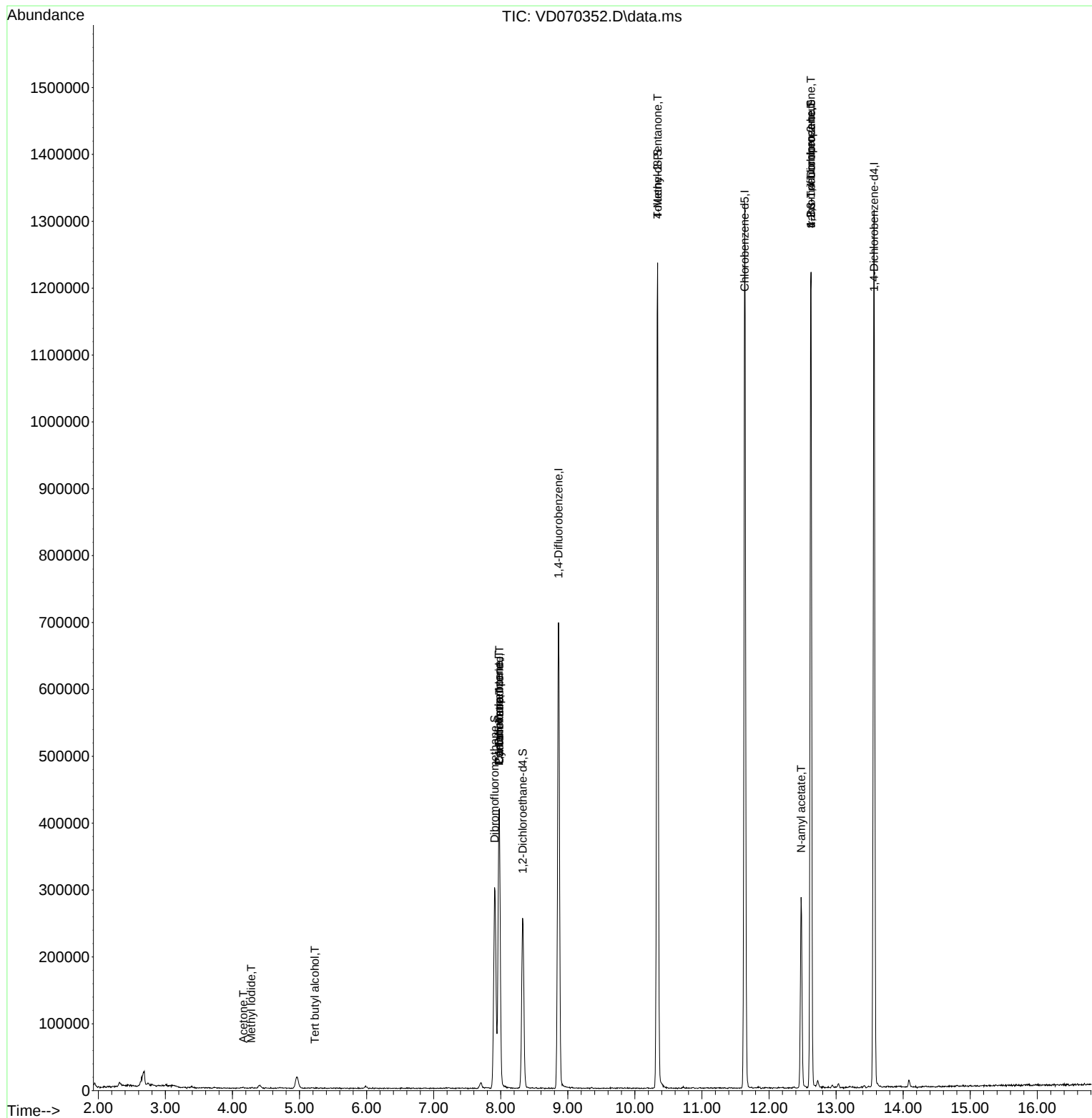
Internal Standards						
1) Pentafluorobenzene	7.973	168	297059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	596816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	758098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	342883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	204976	53.739	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.480%	
35) Dibromofluoromethane	7.909	113	220761	51.966	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.940%	
50) Toluene-d8	10.338	98	826011	53.553	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.100%	
62) 4-Bromofluorobenzene	12.626	95	395311	73.334	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 146.660%#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.997	85	56	Below Cal	#	43
3) Chloromethane	2.209	50	993	Below Cal		95
5) Bromomethane	2.750	94	2538	Below Cal		86
6) Chloroethane	2.756	64	56	Below Cal	#	43
10) Methyl Iodide	4.279	142	549	1.175	ug/l #	53
11) Tert butyl alcohol	5.226	59	839	1.945	ug/l #	100
16) Acetone	4.162	43	1052	1.545	ug/l #	87
18) Methyl Acetate	4.726	43	2091	Below Cal	#	58
20) Methylene Chloride	4.956	84	13865	Below Cal		87
31) Cyclohexane	7.979	56	7679	1.169	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	26894	4.216	ug/l #	47
38) Carbon Tetrachloride	7.979	117	31424	4.981	ug/l #	19
51) 4-Methyl-2-Pentanone	10.338	43	3234	1.417	ug/l #	1
74) N-amyl acetate	12.479	43	6234	1.190	ug/l #	24
76) 1,2,3-Trichloropropane	12.626	75	194392	56.048	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	194392	140.434	ug/l #	17

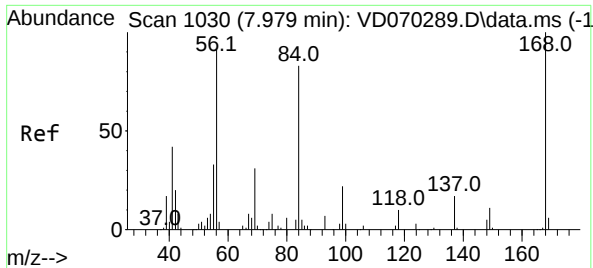
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 09 03:07:09 2021
Response via : Initial Calibration

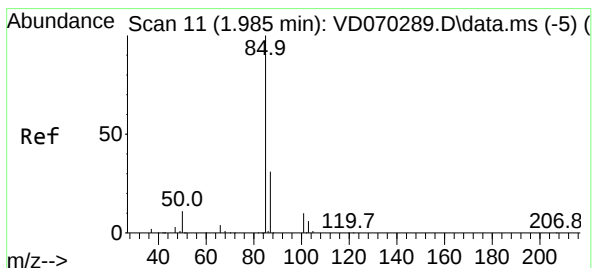
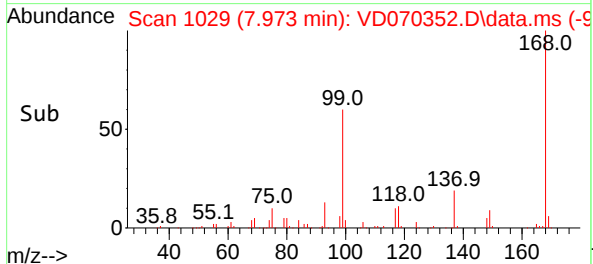
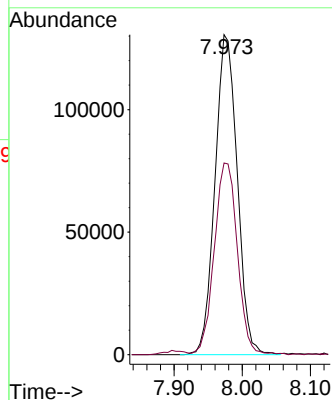
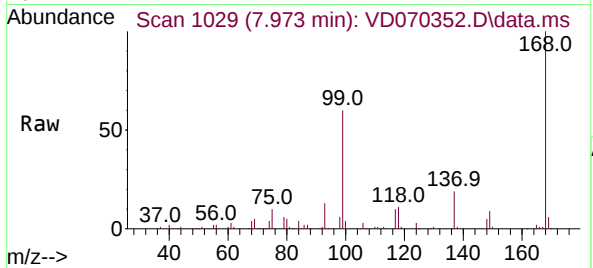




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070352.D
Acq: 14 Sep 2021 14:40

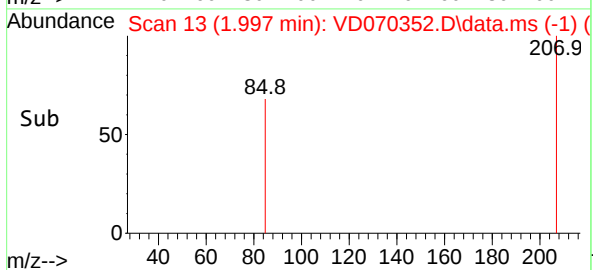
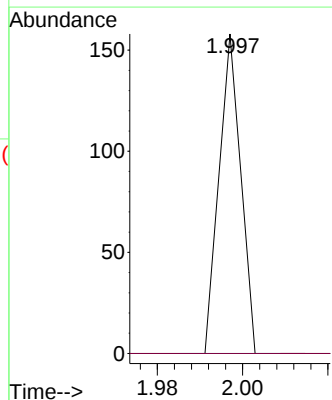
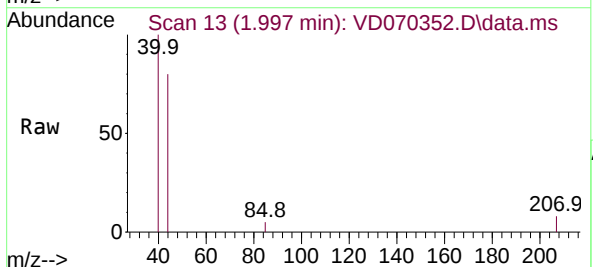
Instrument :
MSVOA_D
ClientSampleId :
A010015RE

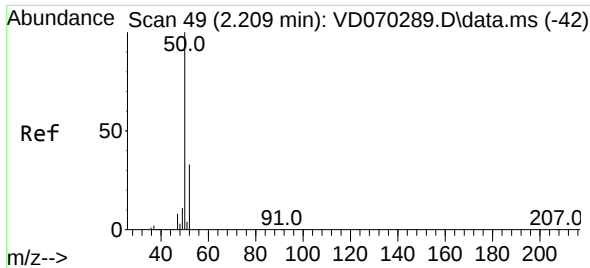
Tgt Ion:168 Resp: 297059
Ion Ratio Lower Upper
168 100
99 59.5 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.997 min Scan# 13
Delta R.T. 0.012 min
Lab File: VD070352.D
Acq: 14 Sep 2021 14:40

Tgt Ion: 85 Resp: 56
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

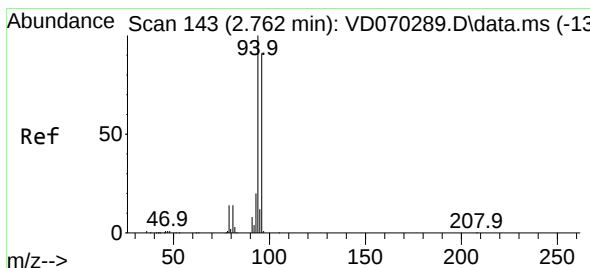
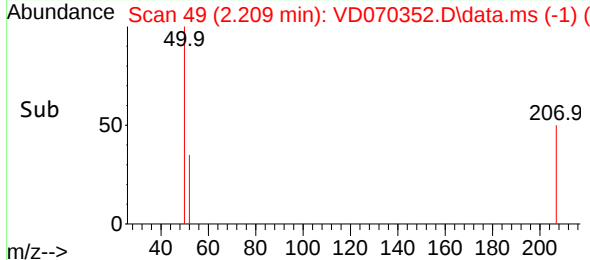
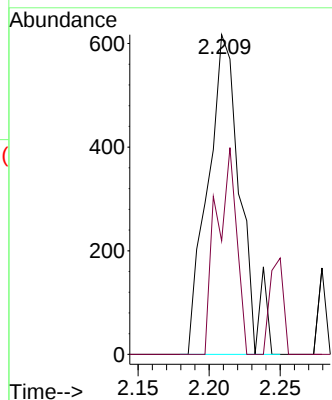
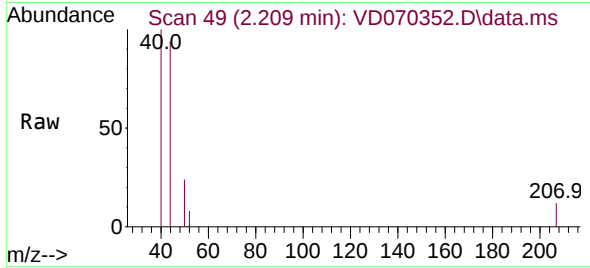




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070352.D
Acq: 14 Sep 2021 14:40

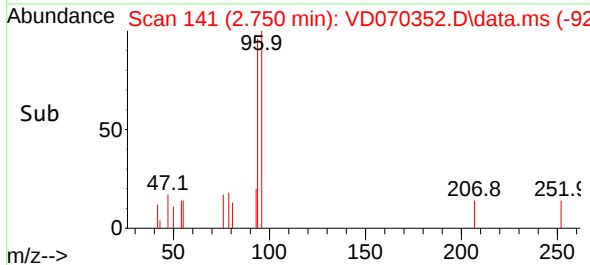
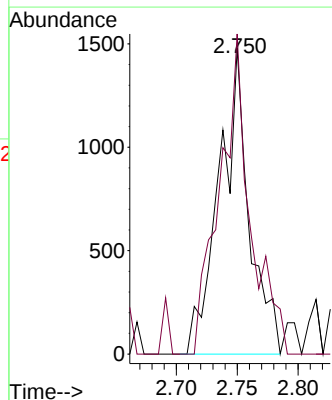
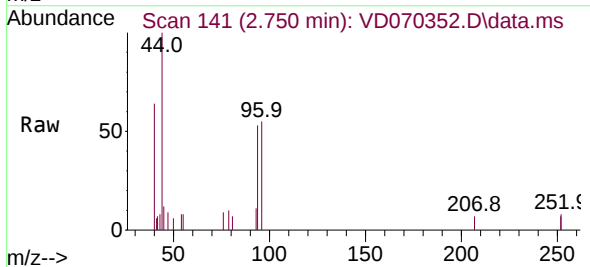
Instrument :
MSVOA_D
ClientSampleId :
A010015RE

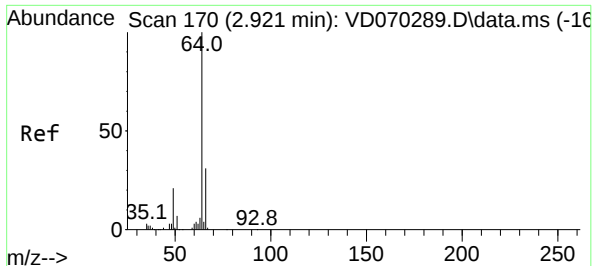
Tgt Ion: 50 Resp: 993
Ion Ratio Lower Upper
50 100
52 35.5 26.2 39.2



#5
Bromomethane
Concen: Below Cal
RT: 2.750 min Scan# 141
Delta R.T. -0.012 min
Lab File: VD070352.D
Acq: 14 Sep 2021 14:40

Tgt Ion: 94 Resp: 2538
Ion Ratio Lower Upper
94 100
96 104.5 73.0 109.6

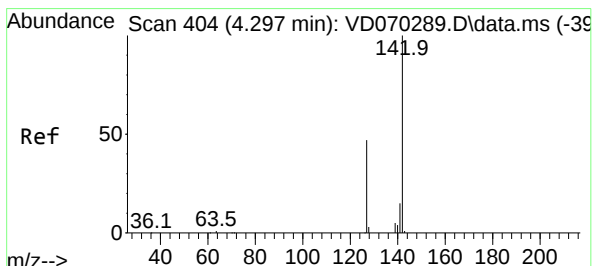
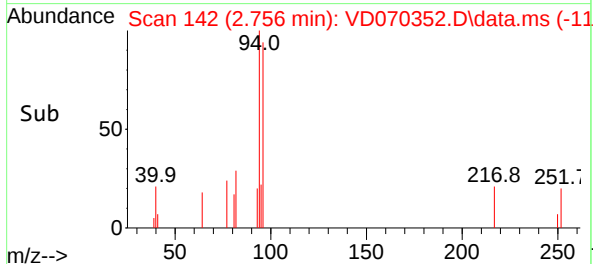
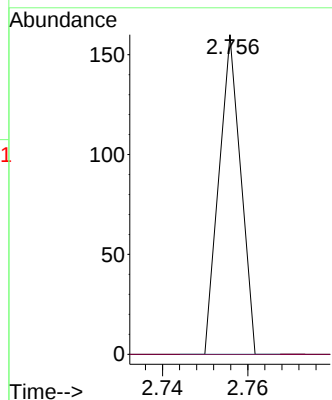
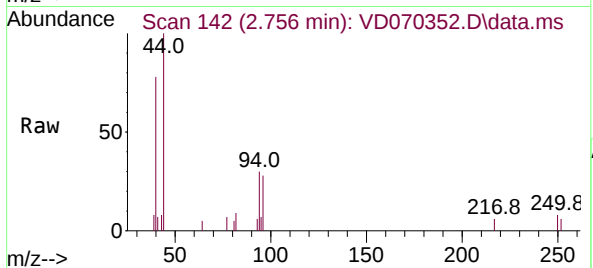




#6
Chloroethane
Concen: Below Cal
RT: 2.756 min Scan# 142
Delta R.T. -0.165 min
Lab File: VD070352.D
Acq: 14 Sep 2021 14:40

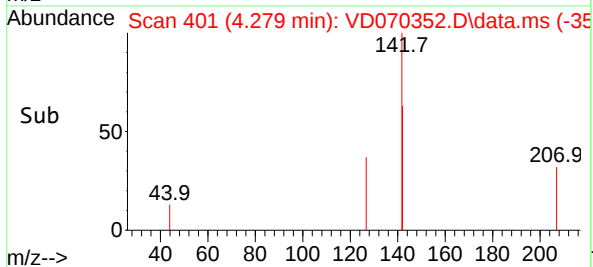
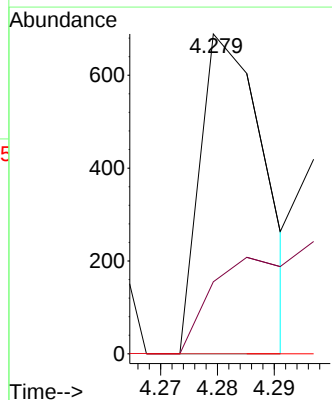
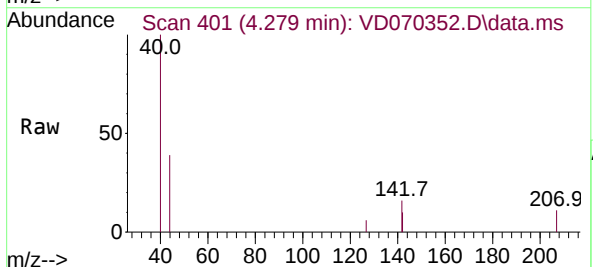
Instrument :
MSVOA_D
ClientSampleId :
A010015RE

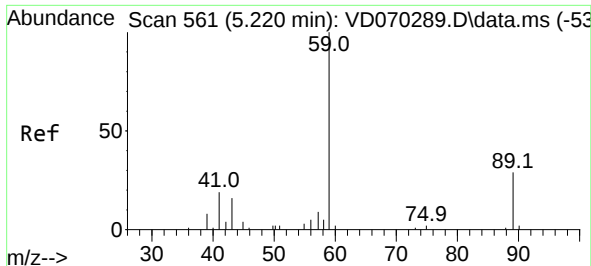
Tgt Ion: 64 Resp: 56
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.175 ug/l
RT: 4.279 min Scan# 401
Delta R.T. -0.018 min
Lab File: VD070352.D
Acq: 14 Sep 2021 14:40

Tgt Ion:142 Resp: 549
Ion Ratio Lower Upper
142 100
127 79.2 36.9 55.3#
141 0.0 11.8 17.6#

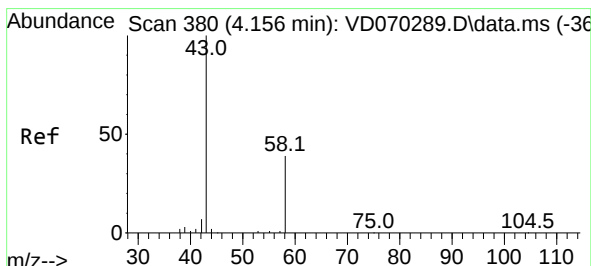
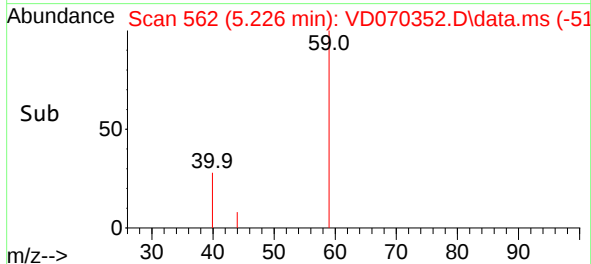
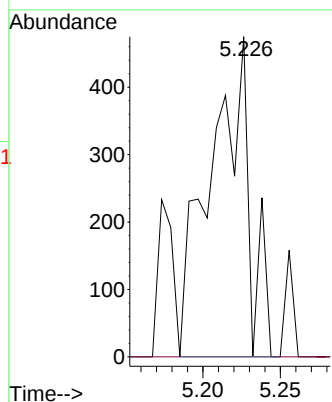
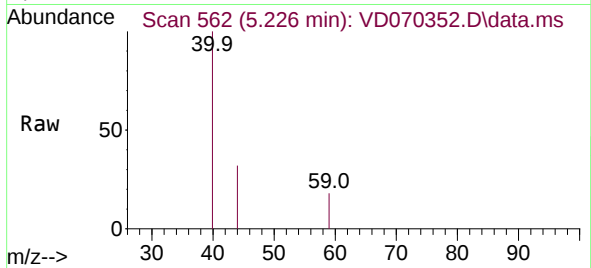




#11
Tert butyl alcohol
Concen: 1.945 ug/l
RT: 5.226 min Scan# 562
Delta R.T. 0.006 min
Lab File: VD070352.D
Acq: 14 Sep 2021 14:40

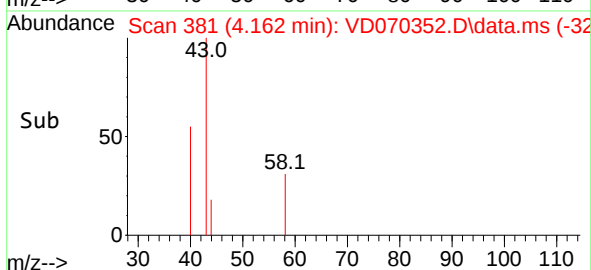
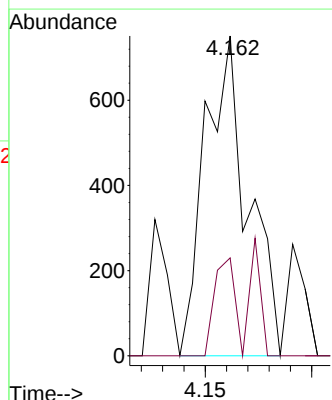
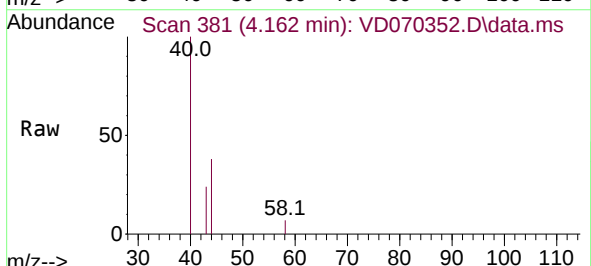
Instrument :
MSVOA_D
ClientSampled :
A010015RE

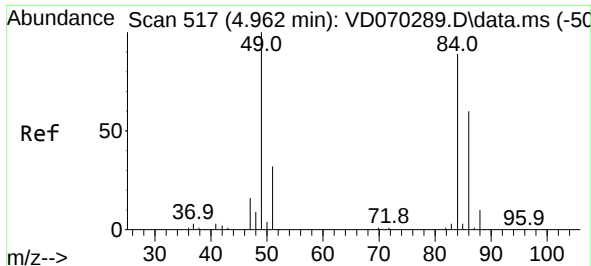
Tgt Ion: 59 Resp: 839
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 1.545 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070352.D
Acq: 14 Sep 2021 14:40

Tgt Ion: 43 Resp: 1052
Ion Ratio Lower Upper
43 100
58 30.6 30.9 46.3#

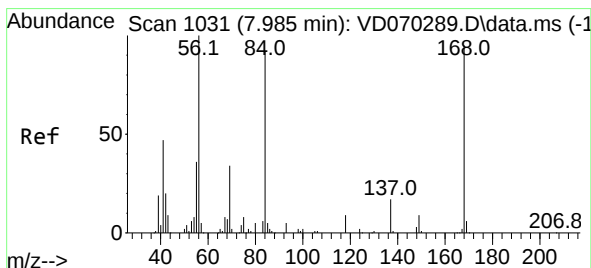
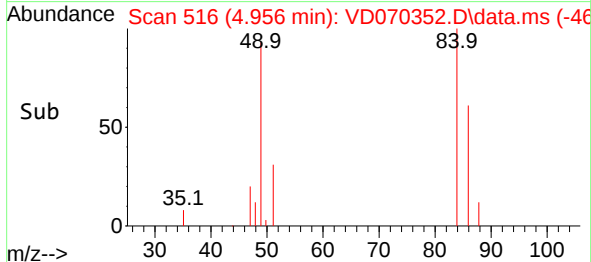
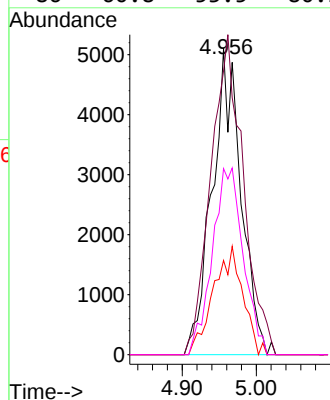
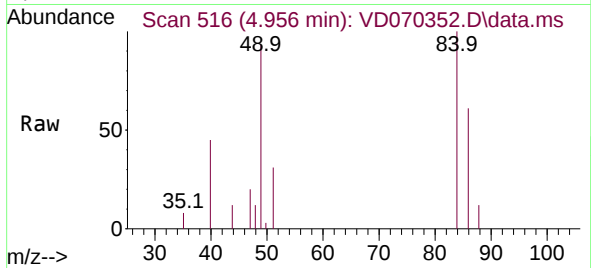




#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070352.D
Acq: 14 Sep 2021 14:40

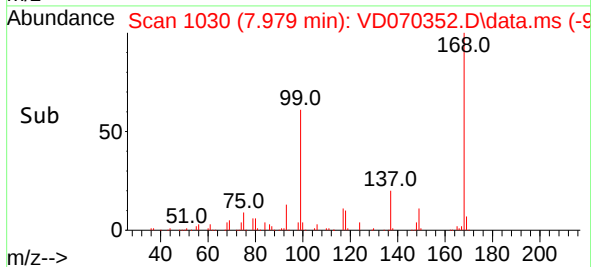
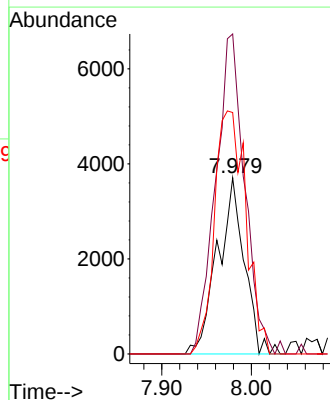
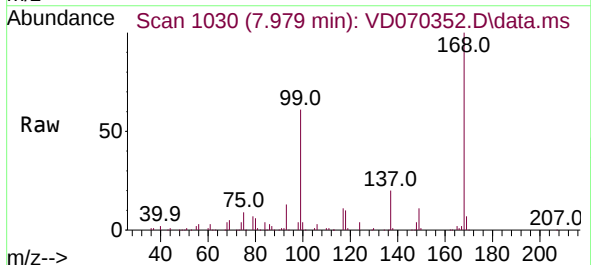
Instrument :
MSVOA_D
ClientSampleId :
A010015RE

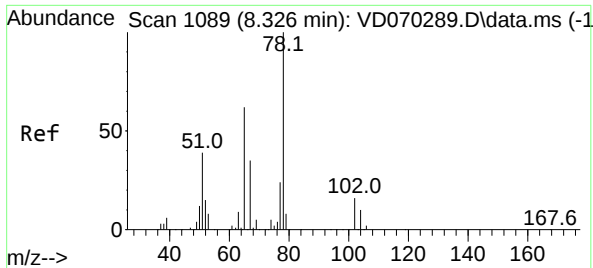
Tgt Ion:	84	Resp:	13865
Ion	Ratio	Lower	Upper
84	100		
49	92.7	89.6	134.4
51	30.8	28.6	43.0
86	60.8	53.5	80.3



#31
Cyclohexane
Concen: 1.169 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070352.D
Acq: 14 Sep 2021 14:40

Tgt Ion:	56	Resp:	7679
Ion	Ratio	Lower	Upper
56	100		
69	181.6	26.9	40.3#
84	144.8	73.6	110.4#

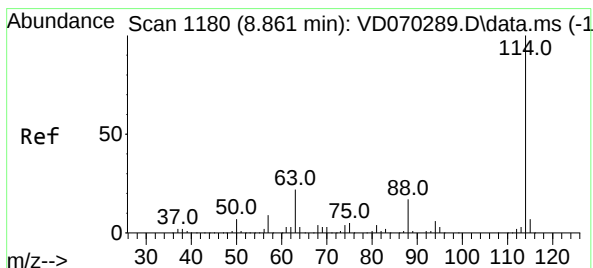
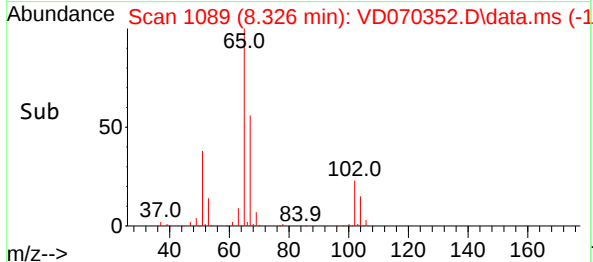
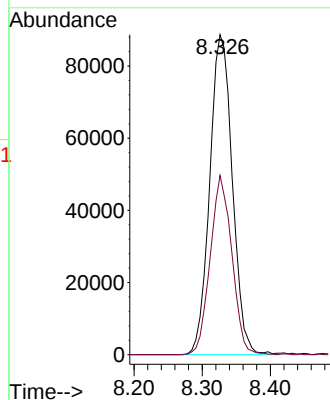
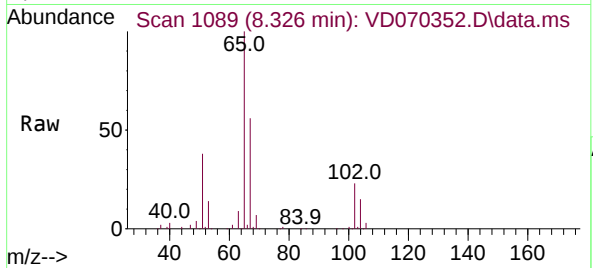




#33
1,2-Dichloroethane-d4
Concen: 53.739 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070352.D
Acq: 14 Sep 2021 14:40

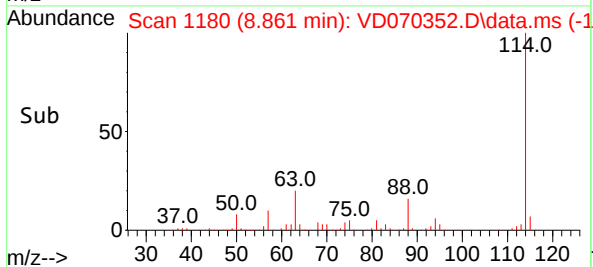
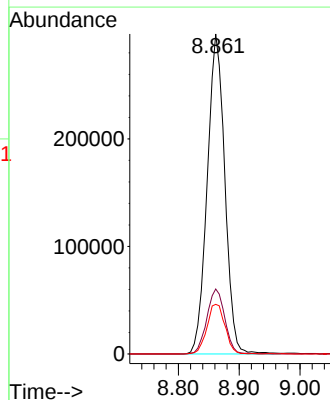
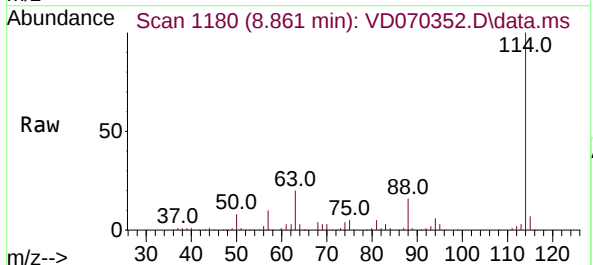
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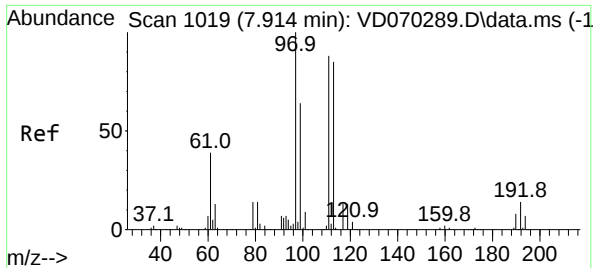
Tgt Ion: 65 Resp: 204976
Ion Ratio Lower Upper
65 100
67 53.6 0.0 111.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070352.D
Acq: 14 Sep 2021 14:40

Tgt Ion: 114 Resp: 596816
Ion Ratio Lower Upper
114 100
63 20.3 0.0 43.4
88 15.5 0.0 33.4

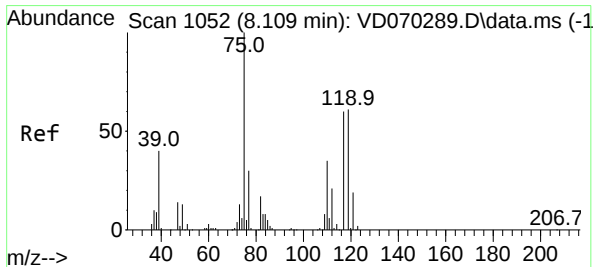
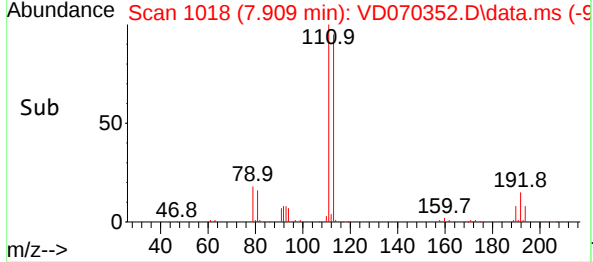
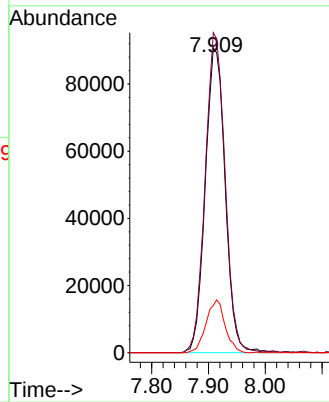
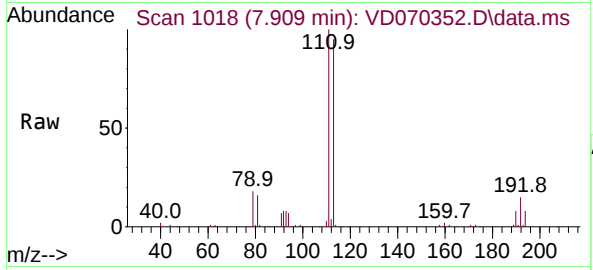




#35
Dibromofluoromethane
Concen: 51.966 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070352.D
Acq: 14 Sep 2021 14:40

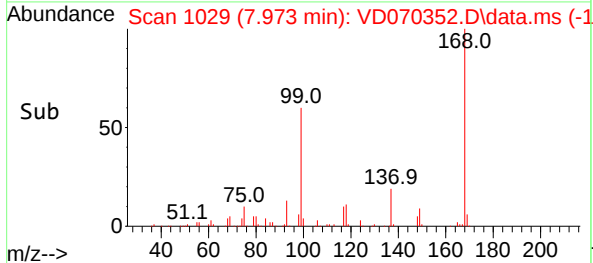
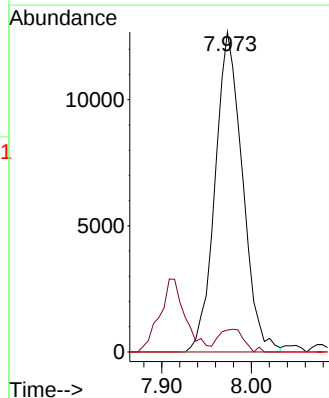
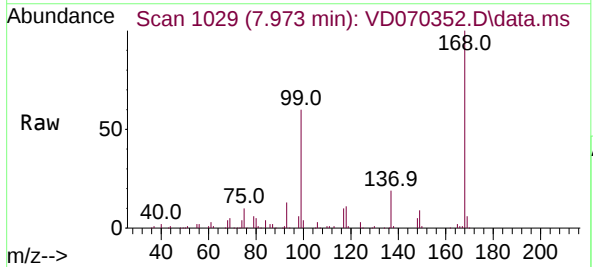
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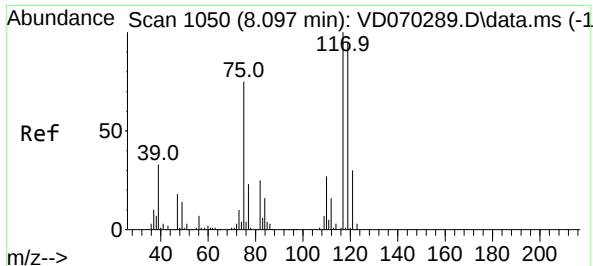
Tgt Ion:	113	Resp:	220761
Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.4	122.2
192	16.5	13.0	19.6



#36
1,1-Dichloropropene
Concen: 4.216 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070352.D
Acq: 14 Sep 2021 14:40

Tgt Ion:	75	Resp:	26894
Ion	Ratio	Lower	Upper
75	100		
110	6.5	17.9	53.7#
77	0.0	25.3	37.9#

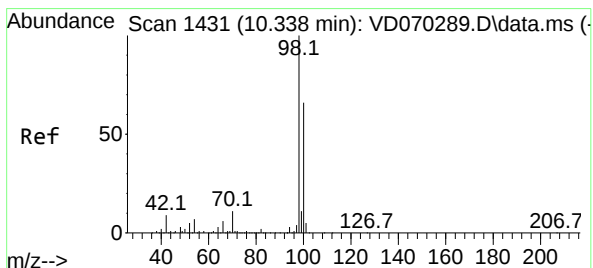
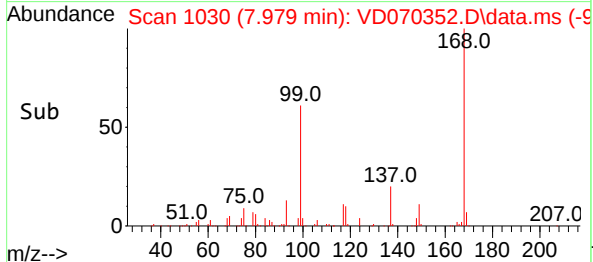
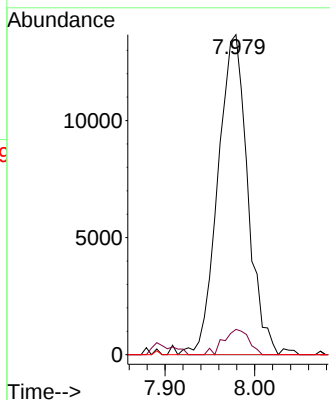
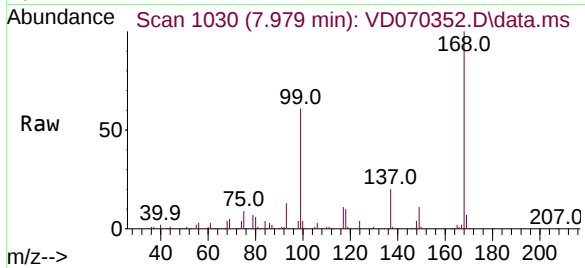




#38
Carbon Tetrachloride
Concen: 4.981 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070352.D
Acq: 14 Sep 2021 14:40

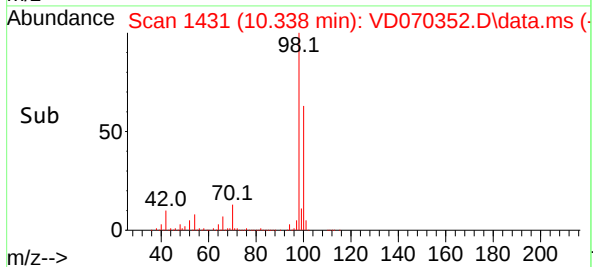
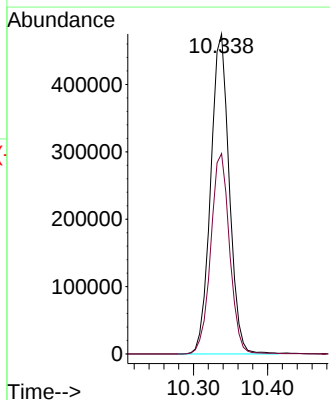
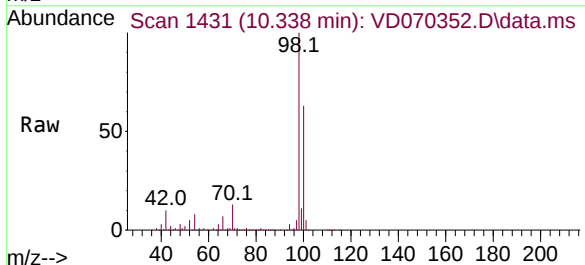
Instrument :
MSVOA_D
ClientSampleId :
A010015RE

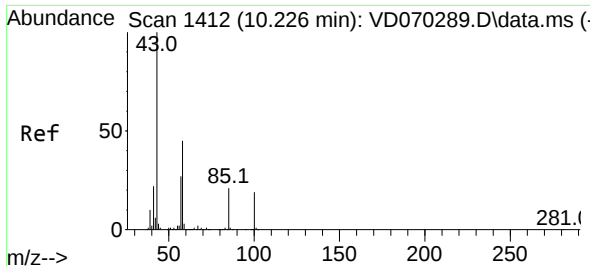
Tgt Ion:117 Resp: 31424
Ion Ratio Lower Upper
117 100
119 7.9 76.1 114.1#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 53.553 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070352.D
Acq: 14 Sep 2021 14:40

Tgt Ion: 98 Resp: 826011
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0

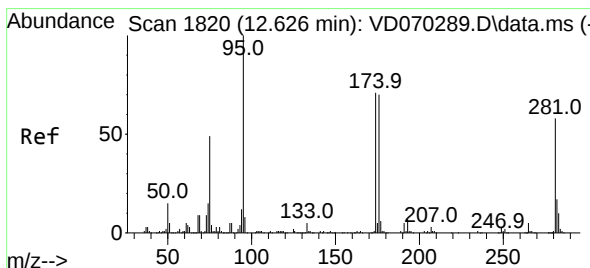
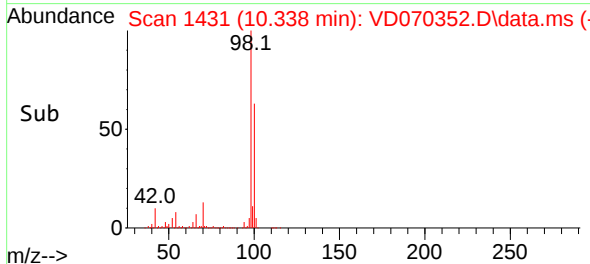
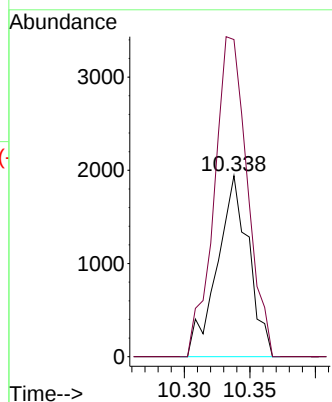
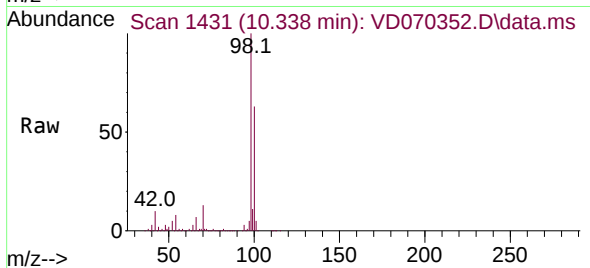




#51
4-Methyl-2-Pentanone
Concen: 1.417 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD070352.D
Acq: 14 Sep 2021 14:40

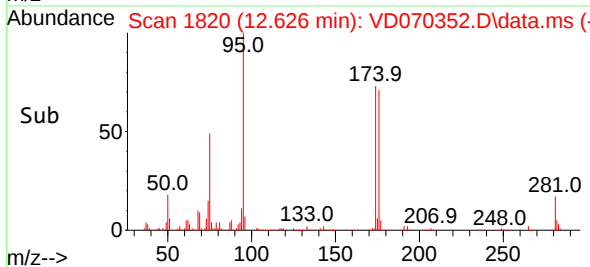
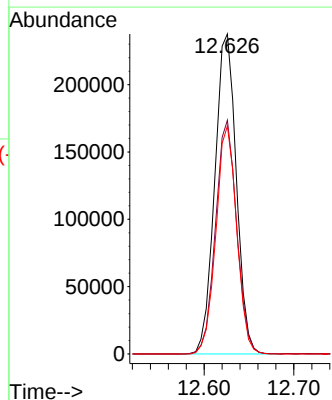
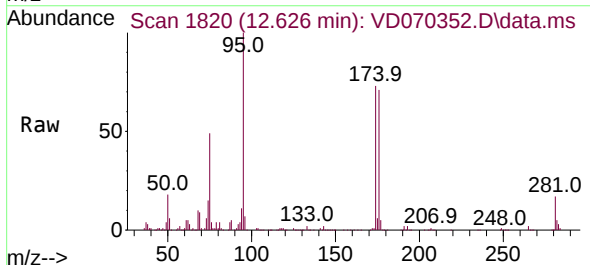
Instrument :
MSVOA_D
ClientSampleId :
A010015RE

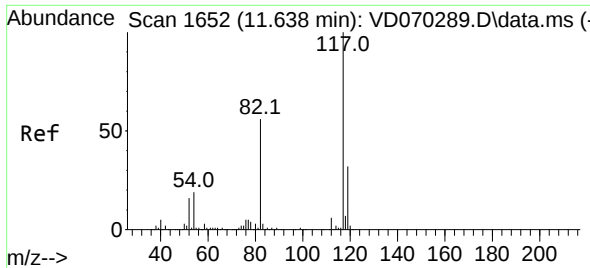
Tgt Ion: 43 Resp: 3234
Ion Ratio Lower Upper
43 100
58 186.6 35.4 53.2#



#62
4-Bromofluorobenzene
Concen: 73.334 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070352.D
Acq: 14 Sep 2021 14:40

Tgt Ion: 95 Resp: 395311
Ion Ratio Lower Upper
95 100
174 71.9 0.0 140.6
176 68.6 0.0 137.4

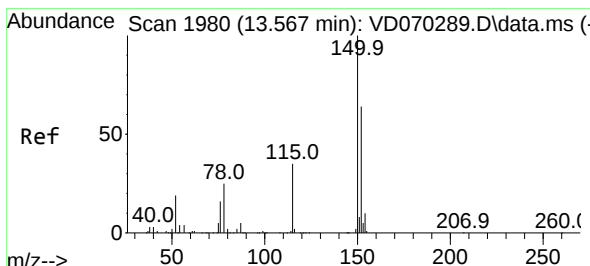
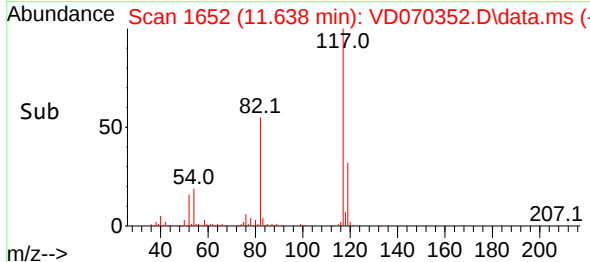
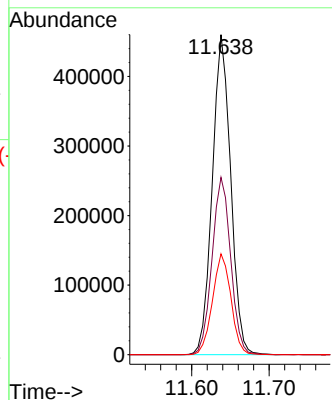
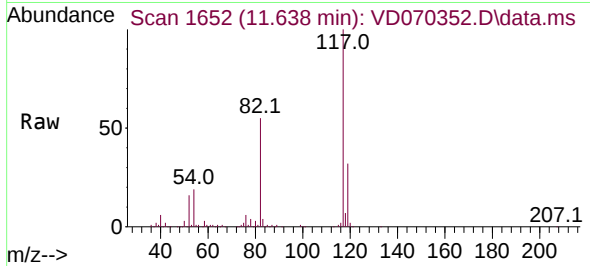




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070352.D
Acq: 14 Sep 2021 14:40

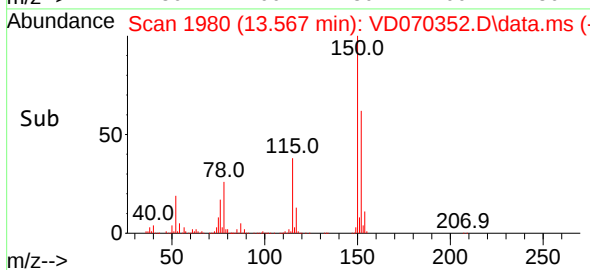
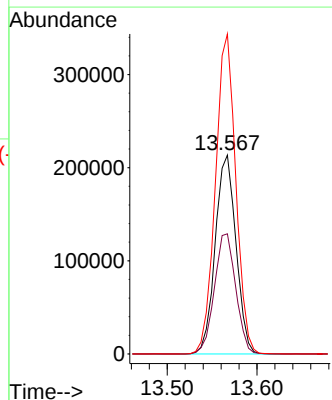
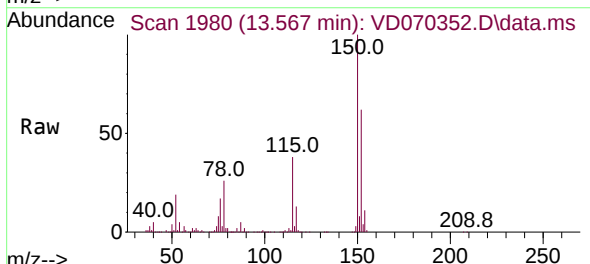
Instrument :
MSVOA_D
ClientSampleId :
A010015RE

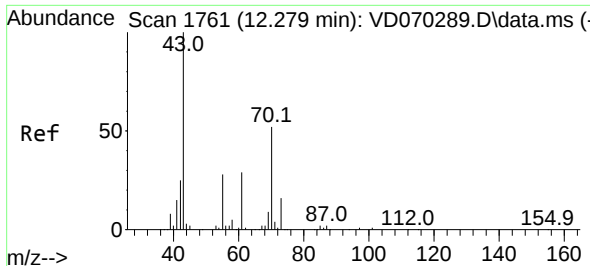
Tgt Ion:	117	Resp:	758098
Ion Ratio	Lower	Upper	
117	100		
82	55.4	45.0	67.4
119	31.5	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070352.D
Acq: 14 Sep 2021 14:40

Tgt Ion:	152	Resp:	342883
Ion Ratio	Lower	Upper	
152	100		
115	62.3	32.1	96.3
150	157.6	0.0	350.6

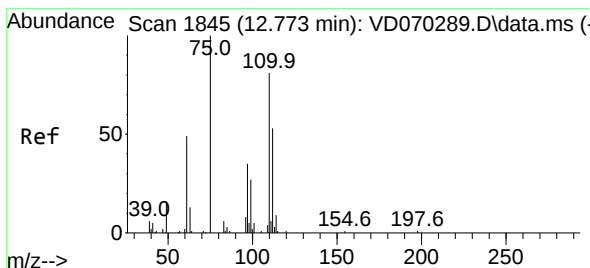
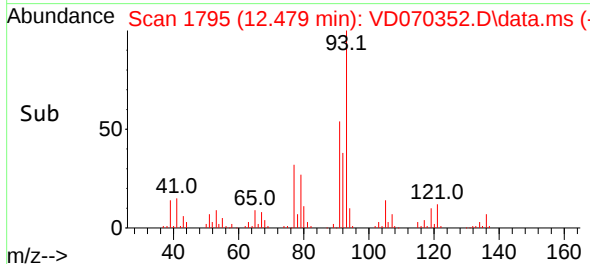
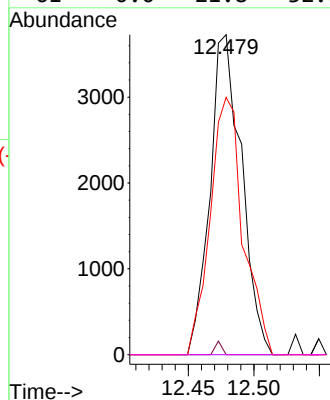
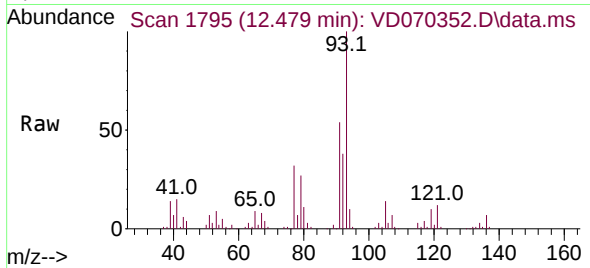




#74
N-amy1 acetate
Concen: 1.190 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. 0.200 min
Lab File: VD070352.D
Acq: 14 Sep 2021 14:40

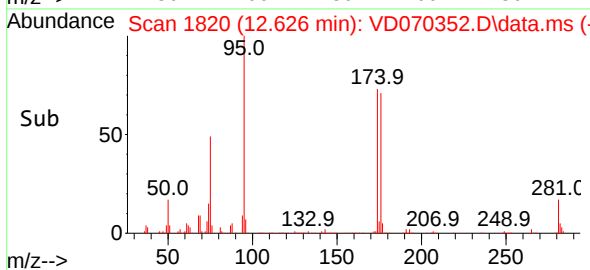
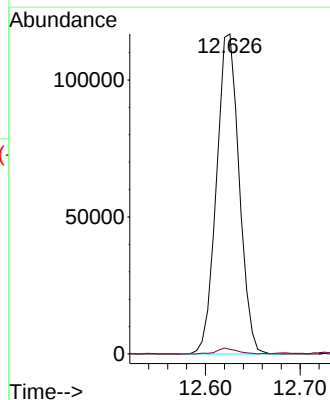
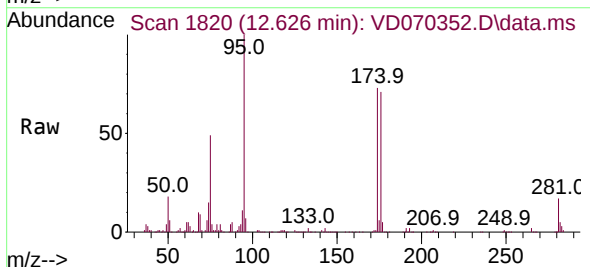
Instrument :
MSVOA_D
ClientSampleId :
A010015RE

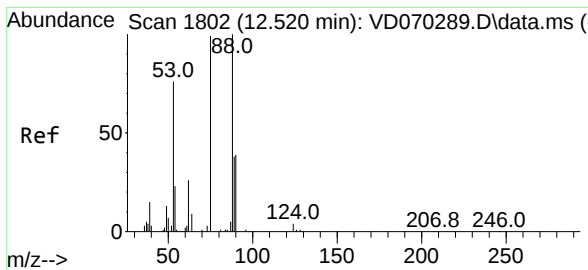
Tgt Ion: 43	Resp: 6234
Ion Ratio	Lower Upper
43 100	
70 0.9	41.4 62.0#
55 84.1	22.8 34.2#
61 0.0	21.8 32.6#



#76
1,2,3-Trichloropropane
Concen: 56.048 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070352.D
Acq: 14 Sep 2021 14:40

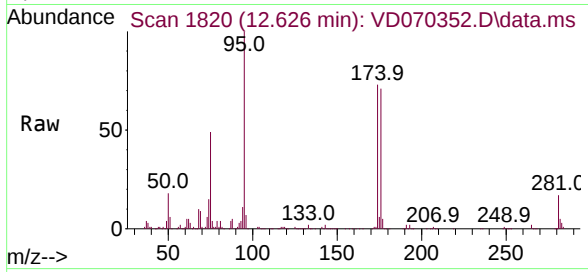
Tgt Ion: 75	Resp: 194392
Ion Ratio	Lower Upper
75 100	
77 1.6	174.9 524.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.434 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070352.D
 Acq: 14 Sep 2021 14:40

Instrument :
 MSVOA_D
 ClientSampleId :
 A010015RE



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	64.2	96.2#
89	0.2	35.6	53.4#

