

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD093021\
 Data File : VD070542.D
 Acq On : 30 Sep 2021 15:48
 Operator : VA/SY
 Sample : M3975-05RE
 Misc : 8.13G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 01 02:05:00 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)

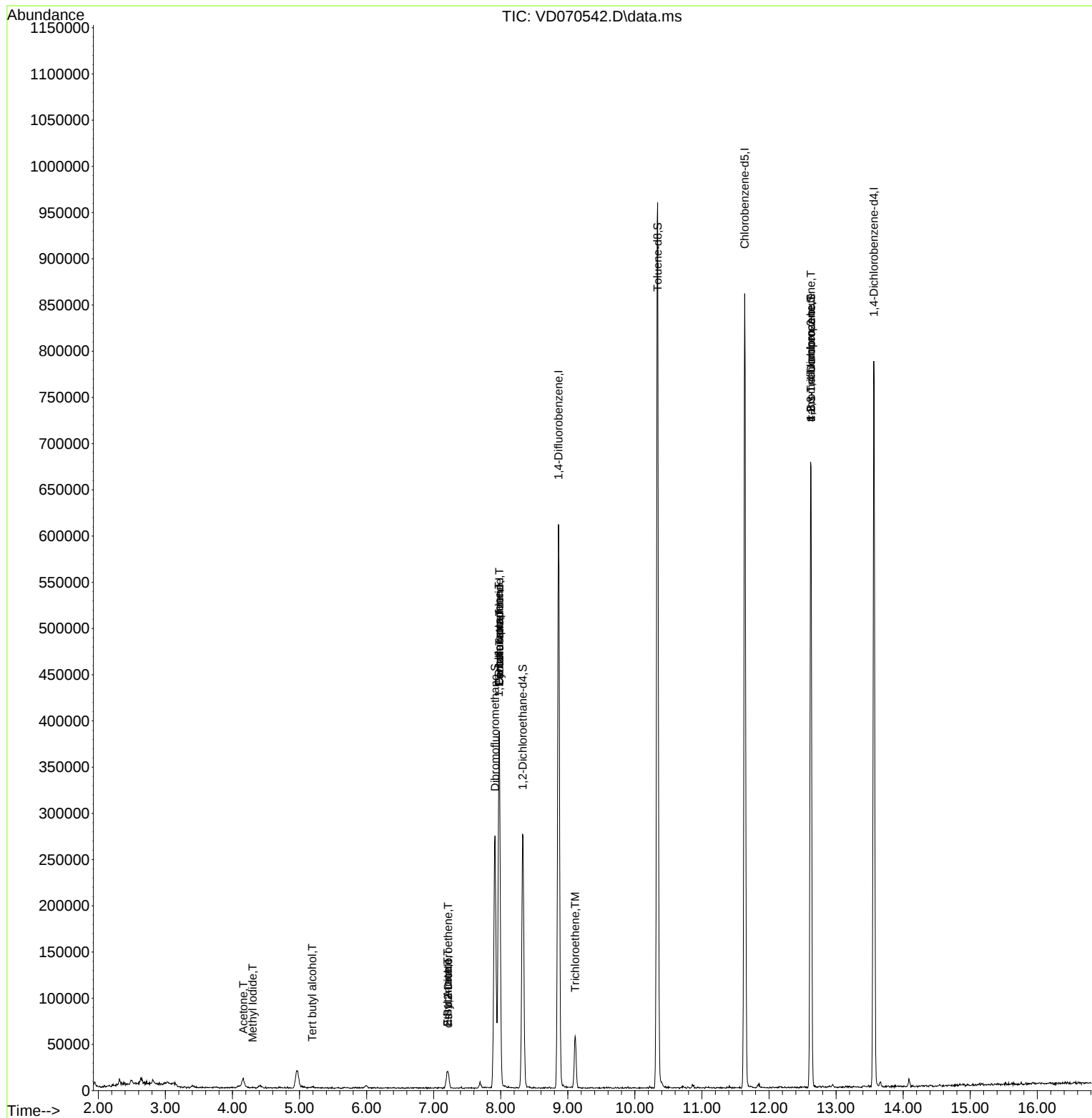
Internal Standards						
1) Pentafluorobenzene	7.979	168	267664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	531934	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	512696	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	213868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	220175	64.063	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.120%			
35) Dibromofluoromethane	7.914	113	200321	52.906	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.820%			
50) Toluene-d8	10.338	98	677133	49.255	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.520%			
62) 4-Bromofluorobenzene	12.626	95	213262	44.388	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.979	85	75	Below Cal	#	43
3) Chloromethane	2.203	50	716	Below Cal	#	25
5) Bromomethane	2.791	94	1107	Below Cal		90
6) Chloroethane	2.938	64	195	Below Cal	#	43
10) Methyl Iodide	4.303	142	171	1.079	ug/l #	77
11) Tert butyl alcohol	5.191	59	1280	3.294	ug/l #	100
16) Acetone	4.162	43	17965	29.278	ug/l	96
18) Methyl Acetate	4.709	43	190	Below Cal	#	48
20) Methylene Chloride	4.962	84	16657	Below Cal	#	86
25) 2-Butanone	7.209	43	2144	2.625	ug/l #	77
27) cis-1,2-Dichloroethene	7.215	96	10463	2.626	ug/l	84
31) Cyclohexane	7.979	56	6570	1.110	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	23932	4.209	ug/l #	48
37) Ethyl Acetate	7.209	43	2144	1.008	ug/l #	1
38) Carbon Tetrachloride	7.979	117	29538	5.253	ug/l #	18
44) Trichloroethene	9.109	130	20609	5.175	ug/l	100
76) 1,2,3-Trichloropropane	12.626	75	103294	47.748	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	103294	119.638	ug/l #	17

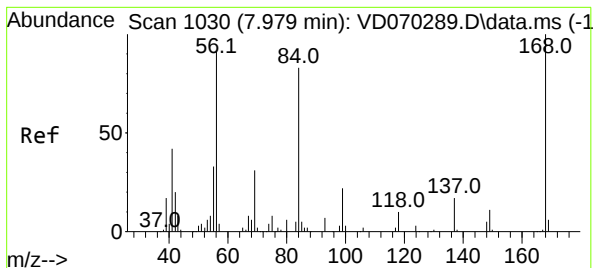
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 01 02:05:00 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD070542.D

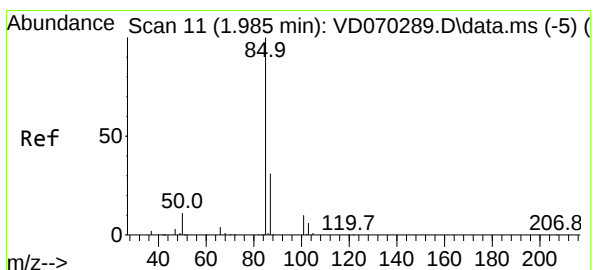
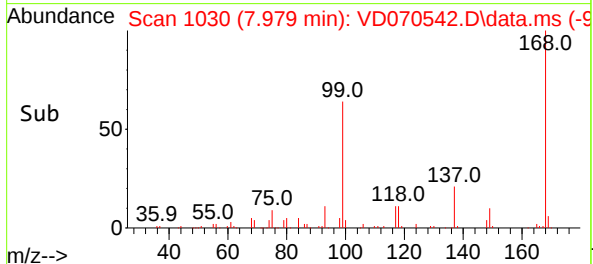
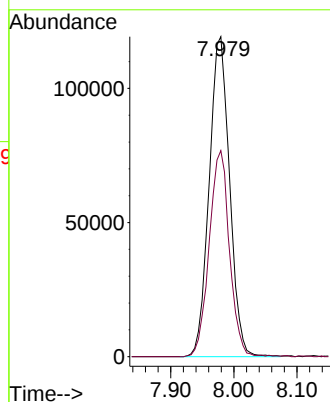
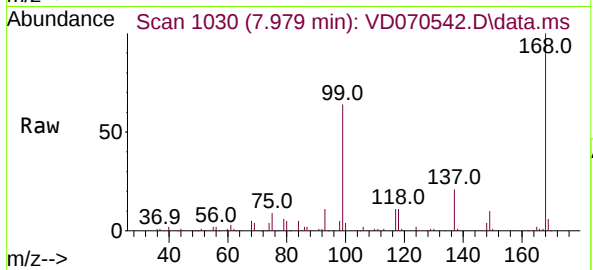
Acq: 30 Sep 2021 15:48

Tgt Ion:168 Resp: 267664

Ion Ratio Lower Upper

168 100

99 64.4 50.8 76.2



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.979 min Scan# 10

Delta R.T. -0.006 min

Lab File: VD070542.D

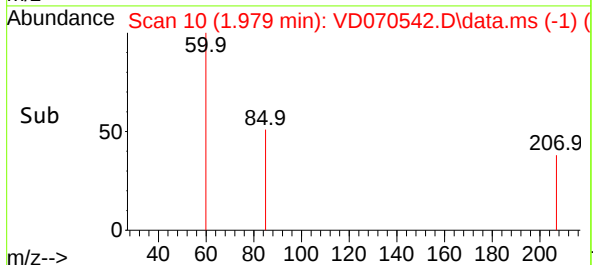
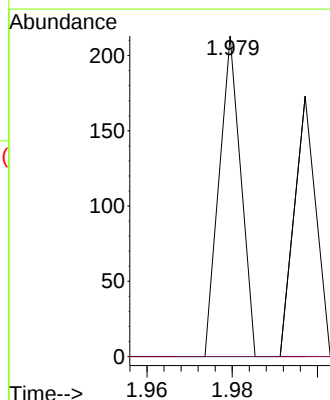
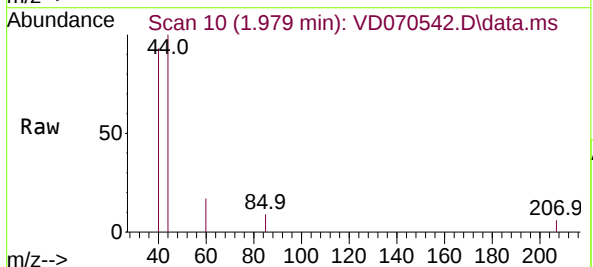
Acq: 30 Sep 2021 15:48

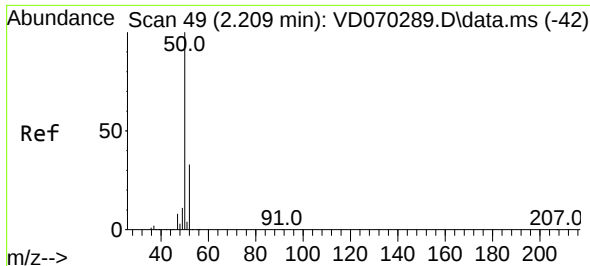
Tgt Ion: 85 Resp: 75

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#

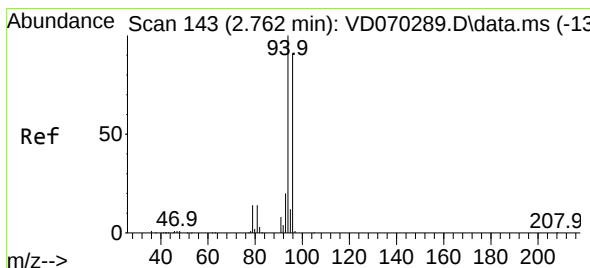
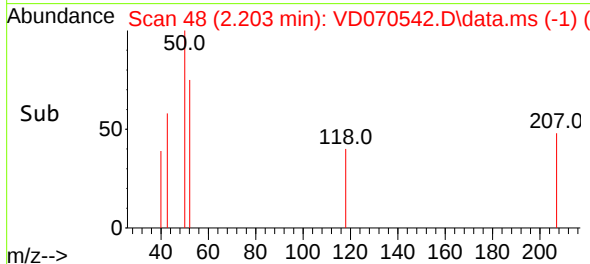
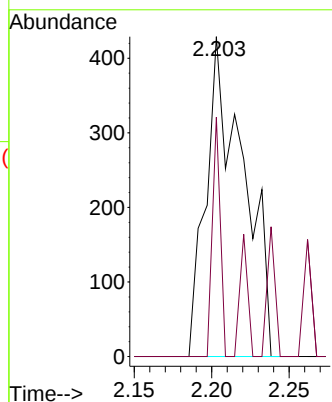
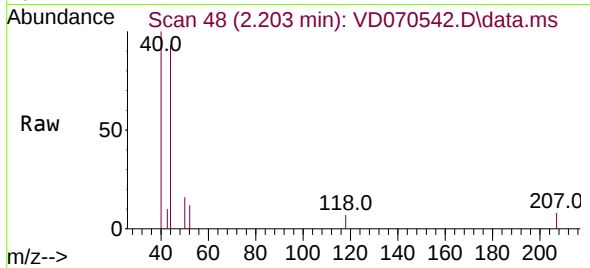




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070542.D
Acq: 30 Sep 2021 15:48

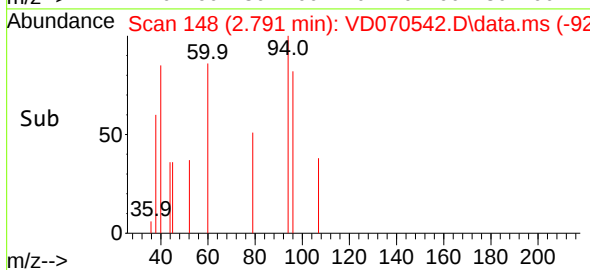
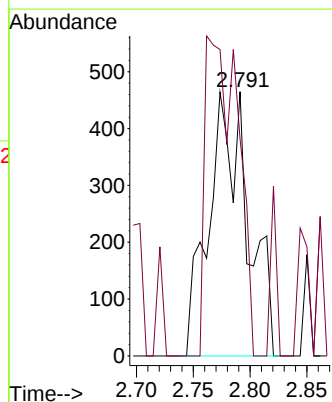
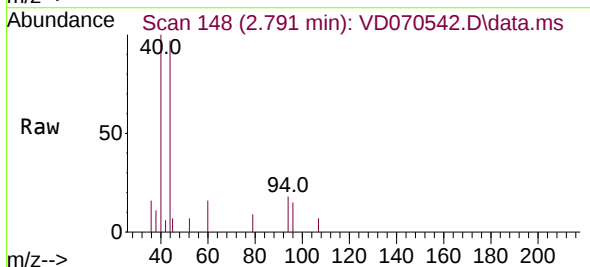
Instrument :
MSVOA_D
ClientSampleId :

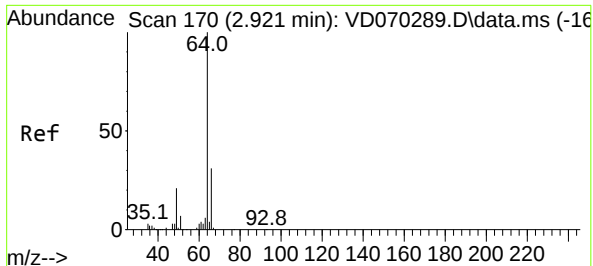
Tgt Ion: 50 Resp: 716
Ion Ratio Lower Upper
50 100
52 74.8 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.029 min
Lab File: VD070542.D
Acq: 30 Sep 2021 15:48

Tgt Ion: 94 Resp: 1107
Ion Ratio Lower Upper
94 100
96 82.2 73.0 109.6

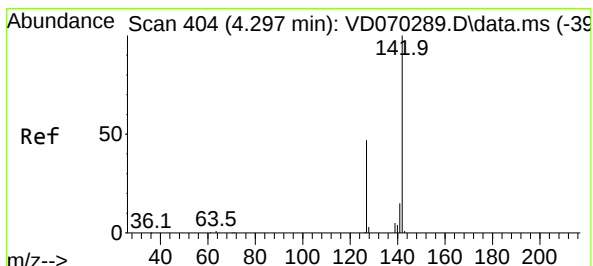
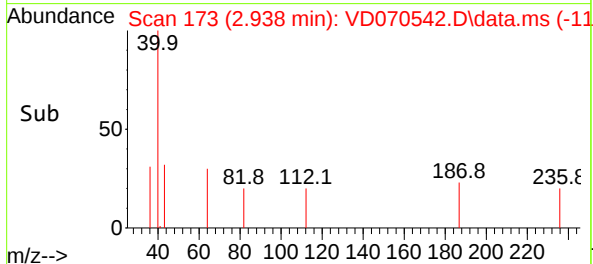
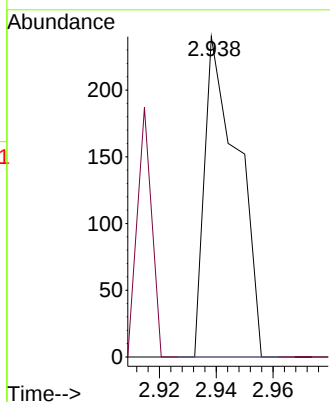
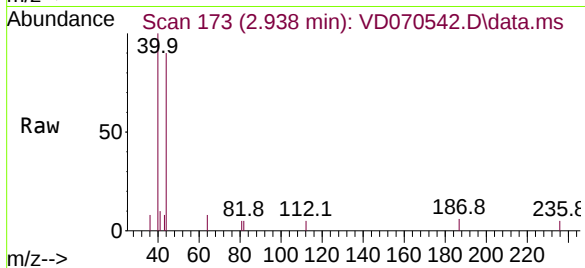




#6
Chloroethane
Concen: Below Cal
RT: 2.938 min Scan# 173
Delta R.T. 0.017 min
Lab File: VD070542.D
Acq: 30 Sep 2021 15:48

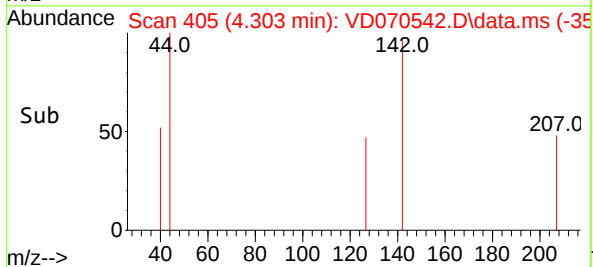
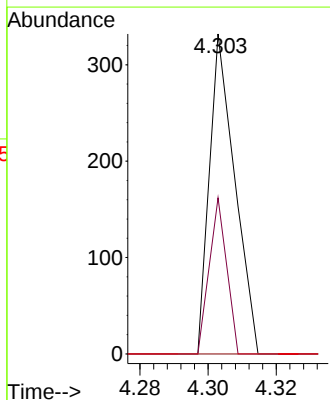
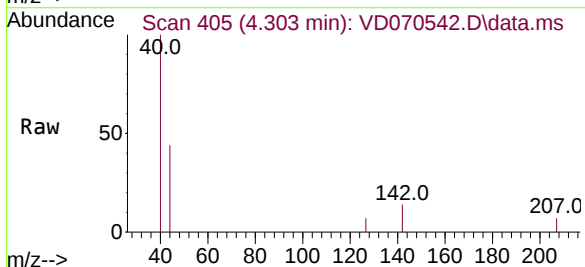
Instrument :
MSVOA_D
ClientSampled :

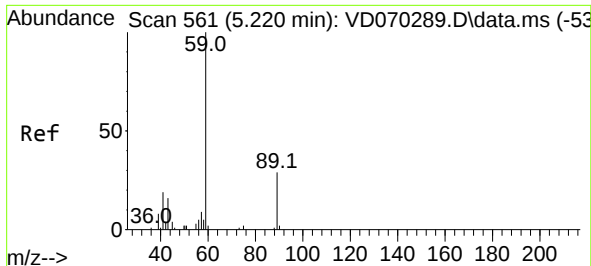
Tgt Ion: 64 Resp: 195
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.079 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070542.D
Acq: 30 Sep 2021 15:48

Tgt Ion:142 Resp: 171
Ion Ratio Lower Upper
142 100
127 33.3 36.9 55.3#
141 0.0 11.8 17.6#

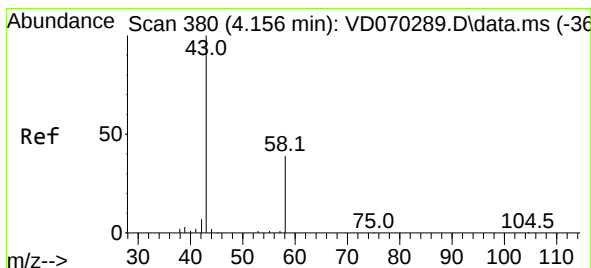
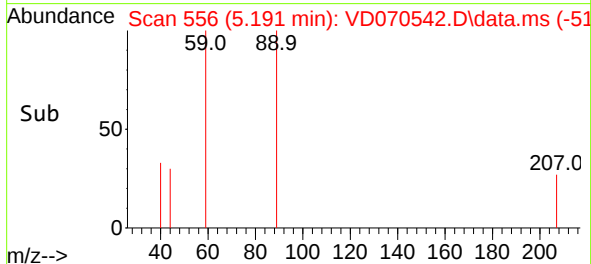
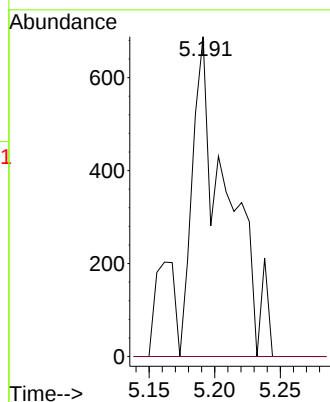
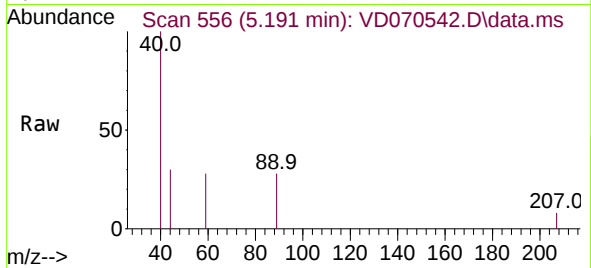




#11
Tert butyl alcohol
Concen: 3.294 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.029 min
Lab File: VD070542.D
Acq: 30 Sep 2021 15:48

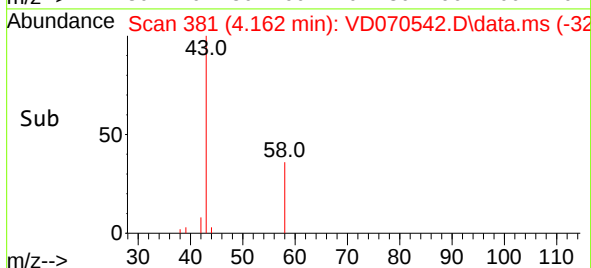
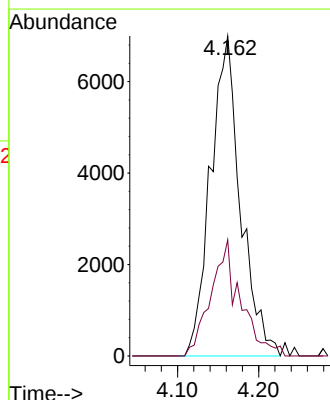
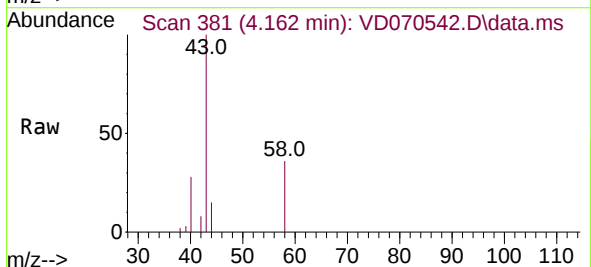
Instrument :
MSVOA_D
ClientSampleId :

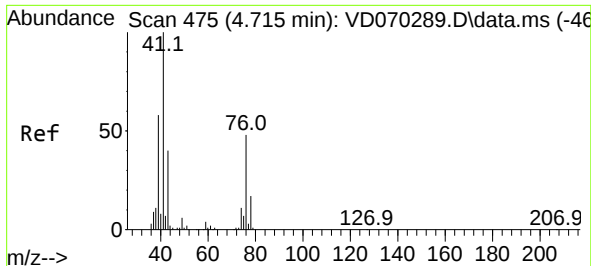
Tgt Ion: 59 Resp: 1280
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 29.278 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070542.D
Acq: 30 Sep 2021 15:48

Tgt Ion: 43 Resp: 17965
Ion Ratio Lower Upper
43 100
58 36.3 30.9 46.3

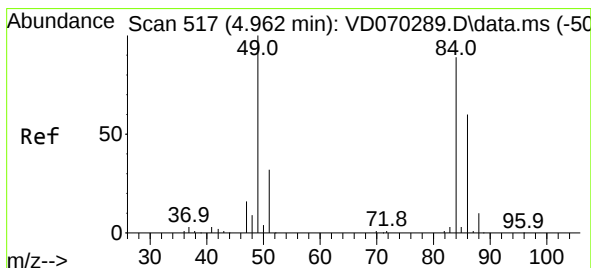
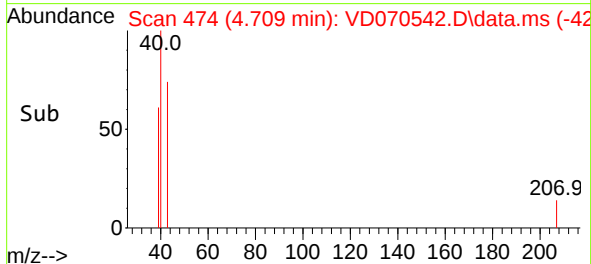
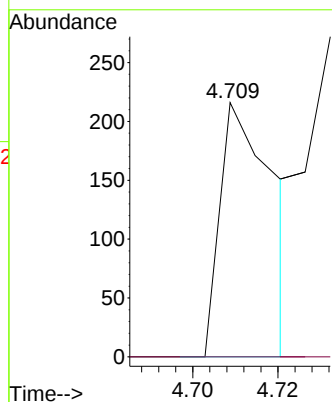
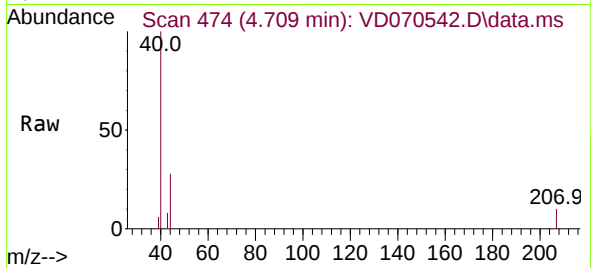




#18
Methyl Acetate
Concen: Below Cal
RT: 4.709 min Scan# 474
Delta R.T. -0.006 min
Lab File: VD070542.D
Acq: 30 Sep 2021 15:48

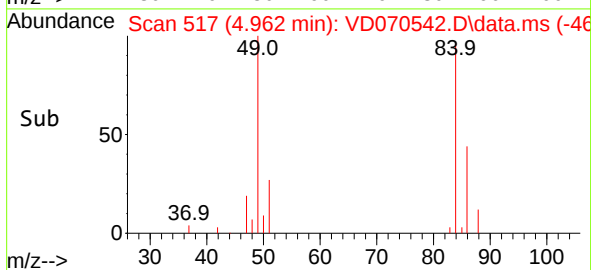
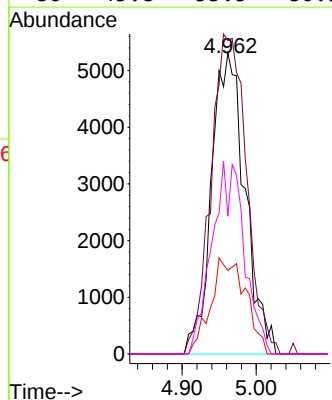
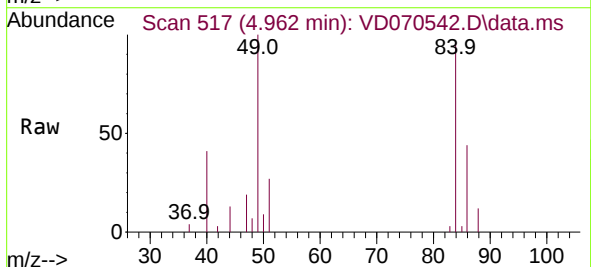
Instrument :
MSVOA_D
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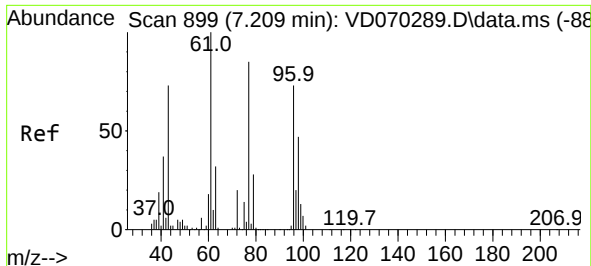
Tgt Ion: 43 Resp: 190
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070542.D
Acq: 30 Sep 2021 15:48

Tgt Ion: 84 Resp: 16657
Ion Ratio Lower Upper
84 100
49 104.1 89.6 134.4
51 27.8 28.6 43.0#
86 45.8 53.5 80.3#

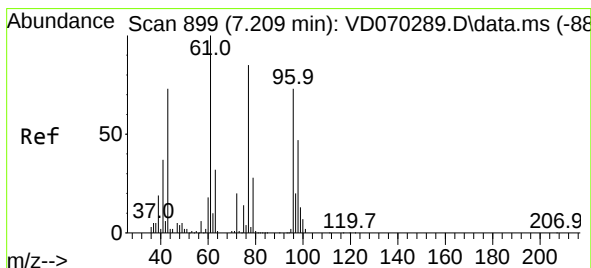
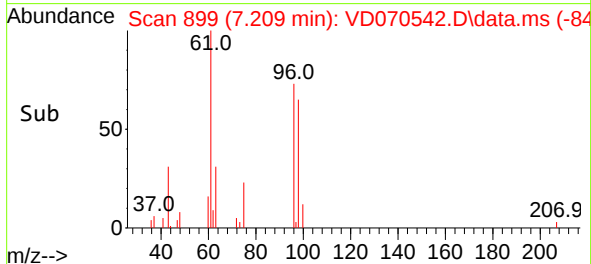
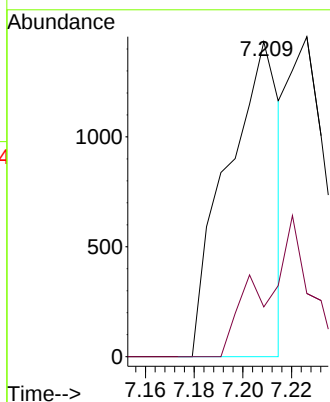
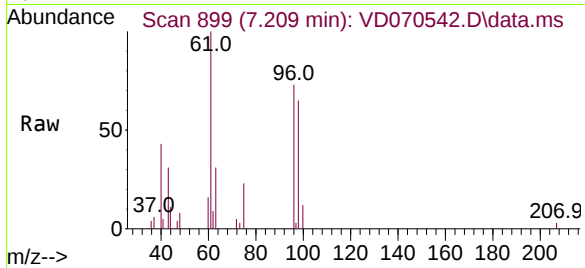




#25
2-Butanone
Concen: 2.625 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD070542.D
Acq: 30 Sep 2021 15:48

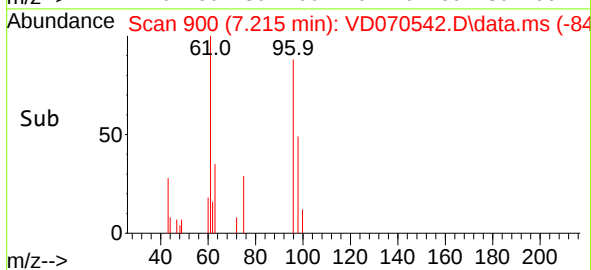
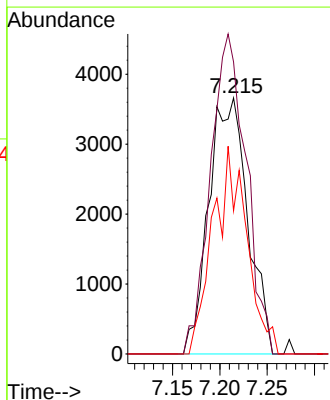
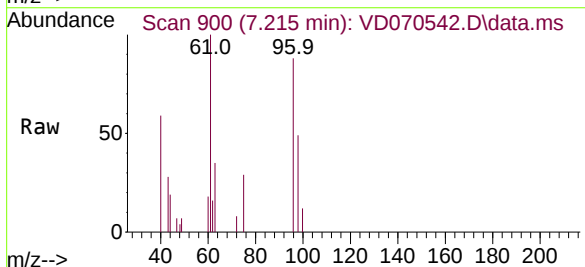
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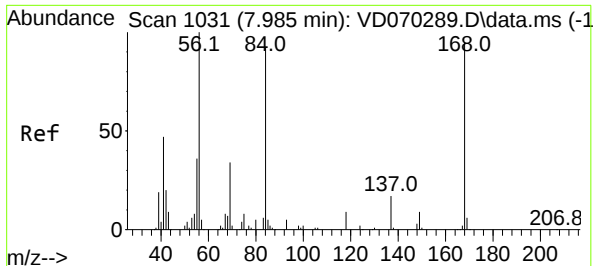
Tgt Ion: 43 Resp: 2144
Ion Ratio Lower Upper
43 100
72 15.8 22.2 33.4#



#27
cis-1,2-Dichloroethene
Concen: 2.626 ug/l
RT: 7.215 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD070542.D
Acq: 30 Sep 2021 15:48

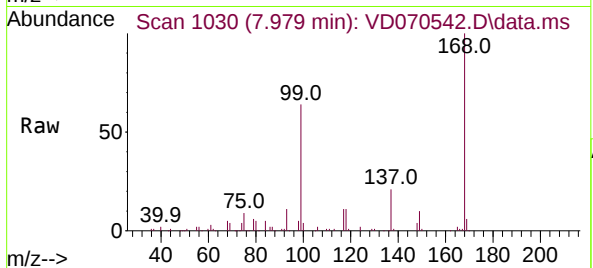
Tgt Ion: 96 Resp: 10463
Ion Ratio Lower Upper
96 100
61 114.6 0.0 277.4
98 70.2 0.0 130.0



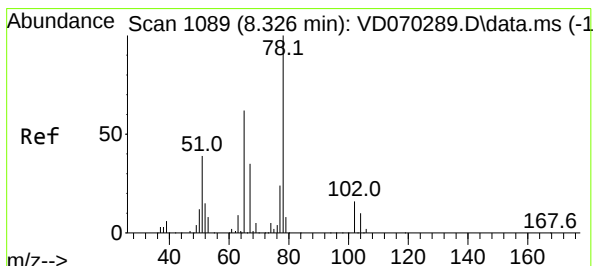
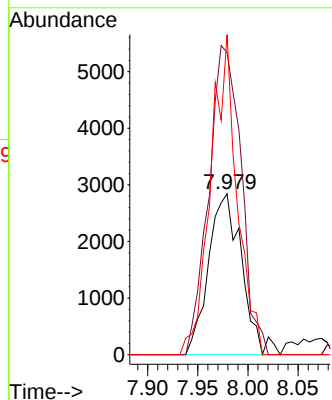
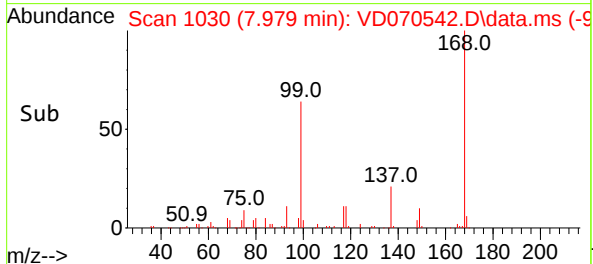


#31
Cyclohexane
Concen: 1.110 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070542.D
Acq: 30 Sep 2021 15:48

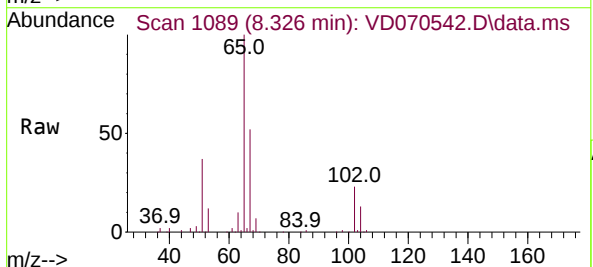
Instrument :
MSVOA_D
ClientSampled :



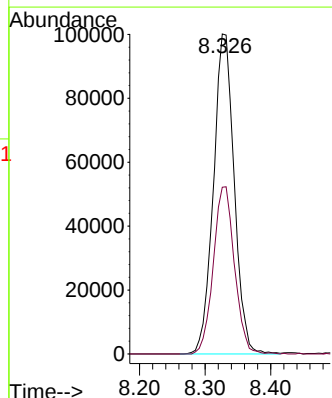
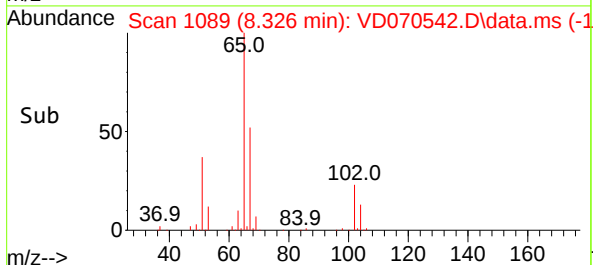
Tgt Ion: 56 Resp: 6570
Ion Ratio Lower Upper
56 100
69 187.9 26.9 40.3#
84 198.9 73.6 110.4#

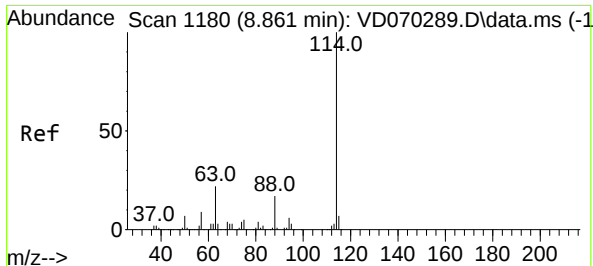


#33
1,2-Dichloroethane-d4
Concen: 64.063 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070542.D
Acq: 30 Sep 2021 15:48



Tgt Ion: 65 Resp: 220175
Ion Ratio Lower Upper
65 100
67 53.2 0.0 111.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

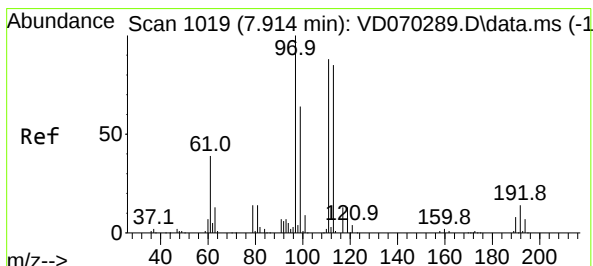
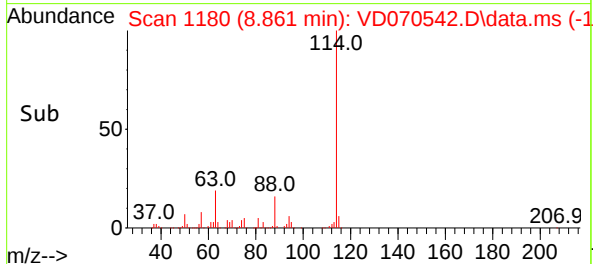
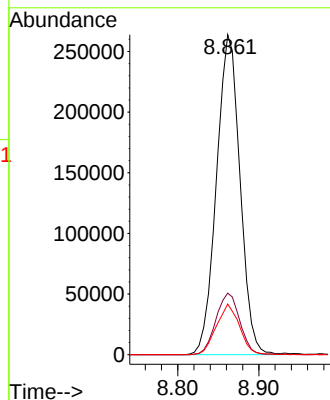
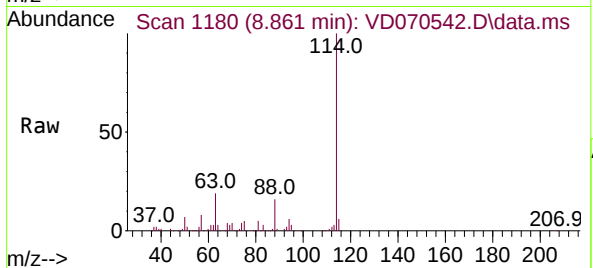
Delta R.T. 0.000 min

Lab File: VD070542.D

Acq: 30 Sep 2021 15:48

Tgt Ion:	114	Resp:	531934
Ion Ratio	Lower	Upper	
114	100		
63	19.3	0.0	43.4
88	15.8	0.0	33.4

Instrument :
MSVOA_D
ClientSampled :



#35

Dibromofluoromethane

Concen: 52.906 ug/l

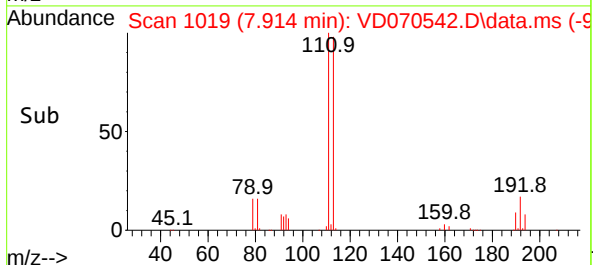
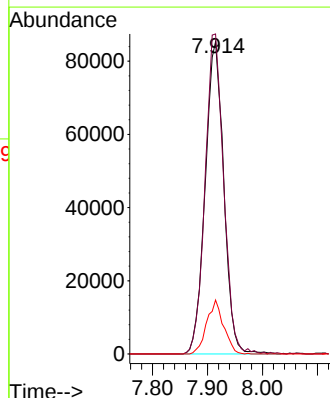
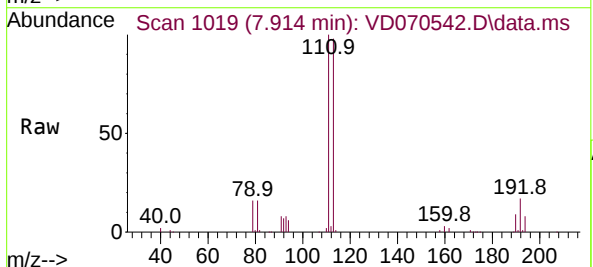
RT: 7.914 min Scan# 1019

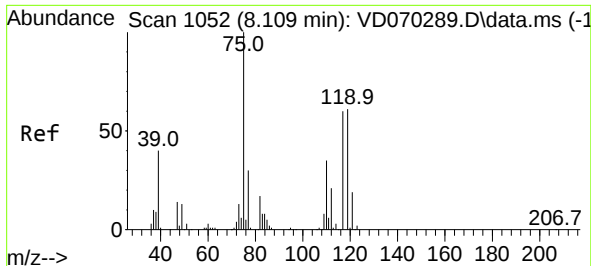
Delta R.T. 0.000 min

Lab File: VD070542.D

Acq: 30 Sep 2021 15:48

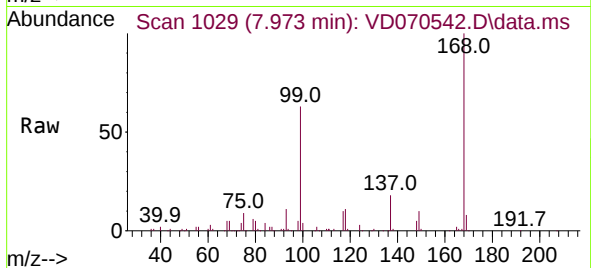
Tgt Ion:	113	Resp:	200321
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.4	122.2
192	15.6	13.0	19.6



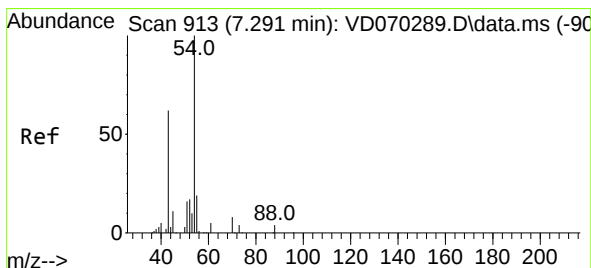
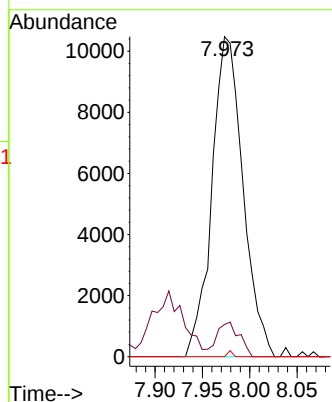
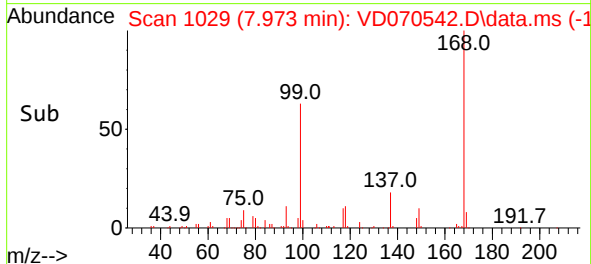


#36
1,1-Dichloropropene
Concen: 4.209 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070542.D
Acq: 30 Sep 2021 15:48

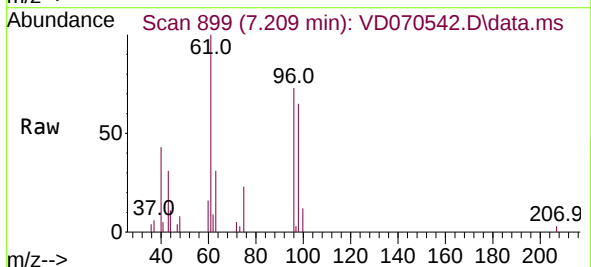
Instrument :
MSVOA_D
ClientSampleId :



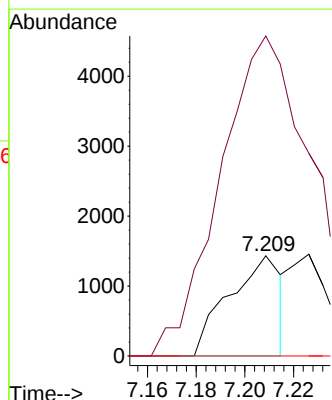
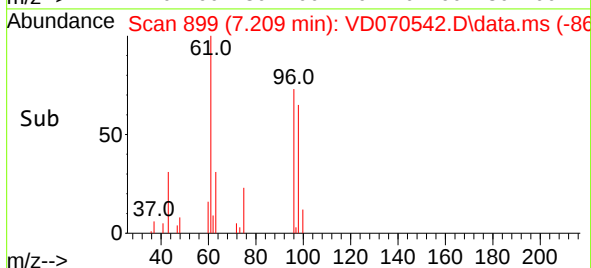
Tgt Ion: 75 Resp: 23932
Ion Ratio Lower Upper
75 100
110 7.6 17.9 53.7#
77 0.3 25.3 37.9#

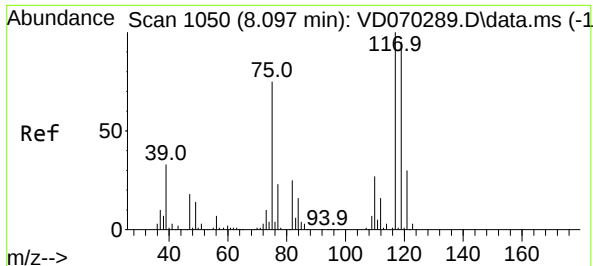


#37
Ethyl Acetate
Concen: 1.008 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.082 min
Lab File: VD070542.D
Acq: 30 Sep 2021 15:48



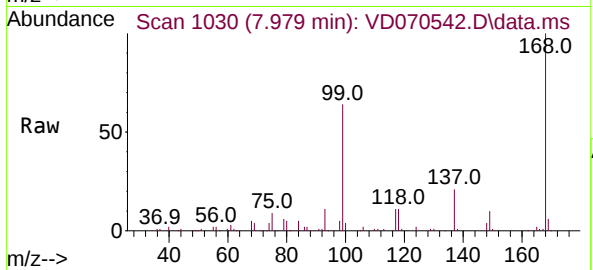
Tgt Ion: 43 Resp: 2144
Ion Ratio Lower Upper
43 100
61 559.4 13.0 19.6#
70 0.0 9.8 14.6#



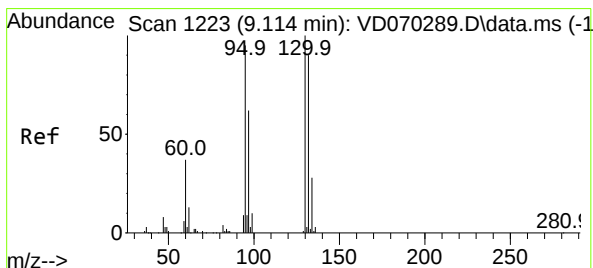
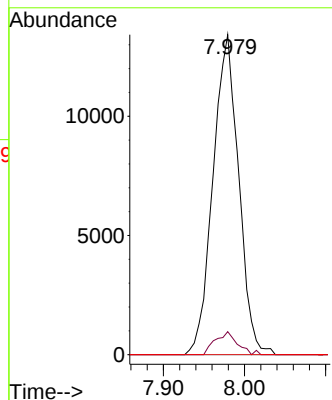
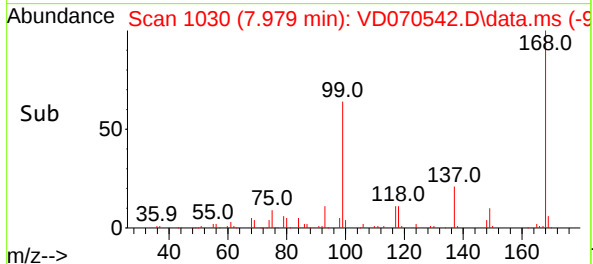


#38
Carbon Tetrachloride
Concen: 5.253 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070542.D
Acq: 30 Sep 2021 15:48

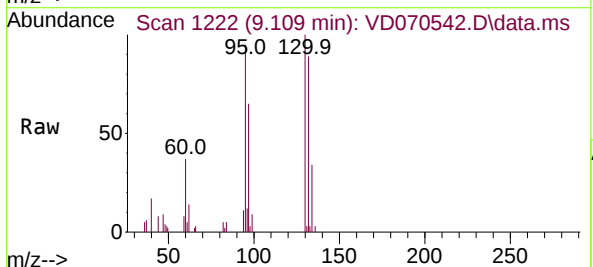
Instrument :
MSVOA_D
ClientSampleId :



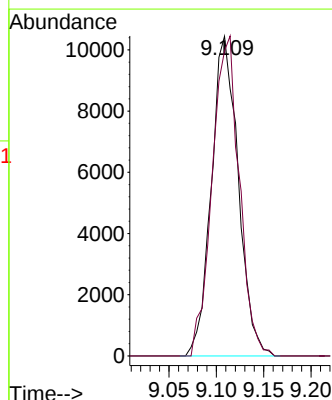
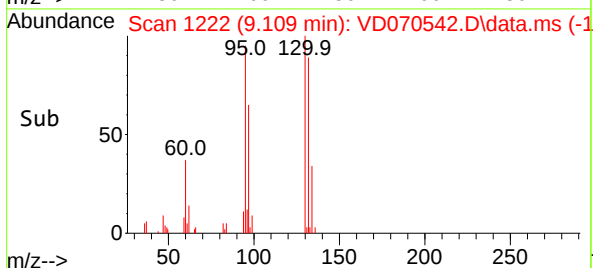
Tgt Ion:117 Resp: 29538
Ion Ratio Lower Upper
117 100
119 7.2 76.1 114.1#
121 0.0 23.8 35.6#

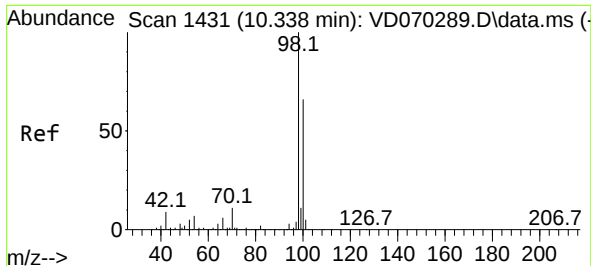


#44
Trichloroethene
Concen: 5.175 ug/l
RT: 9.109 min Scan# 1222
Delta R.T. -0.006 min
Lab File: VD070542.D
Acq: 30 Sep 2021 15:48



Tgt Ion:130 Resp: 20609
Ion Ratio Lower Upper
130 100
95 95.4 0.0 190.0

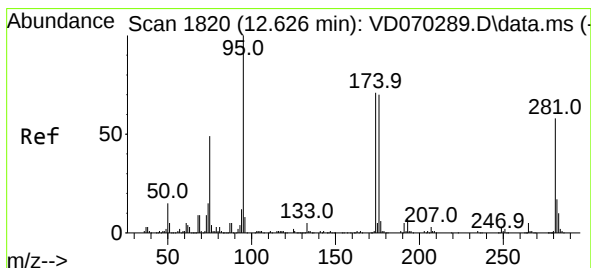
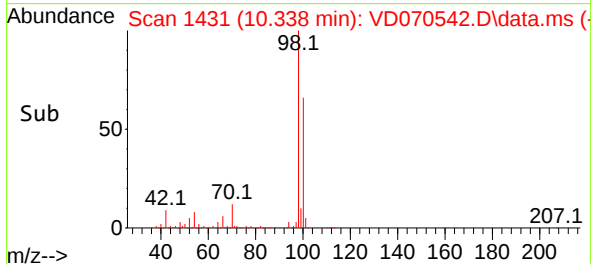
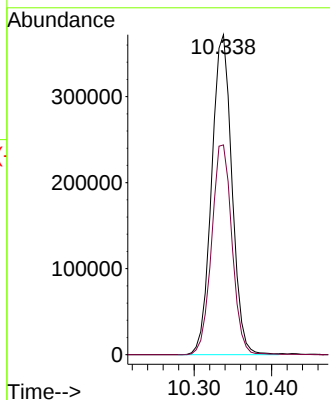
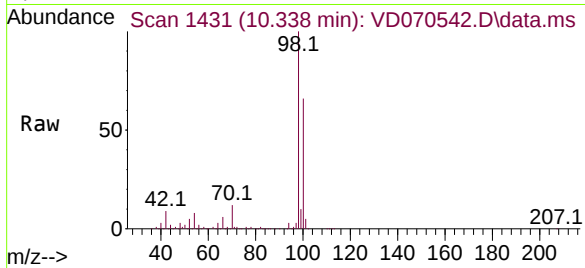




#50
Toluene-d8
Concen: 49.255 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD070542.D
Acq: 30 Sep 2021 15:48

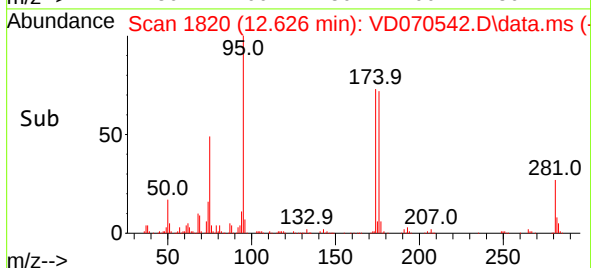
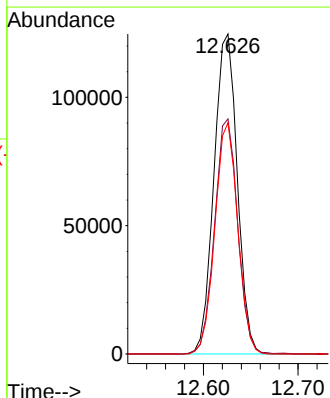
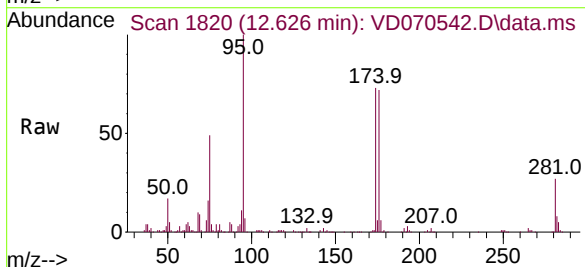
Instrument :
MSVOA_D
ClientSampleId :

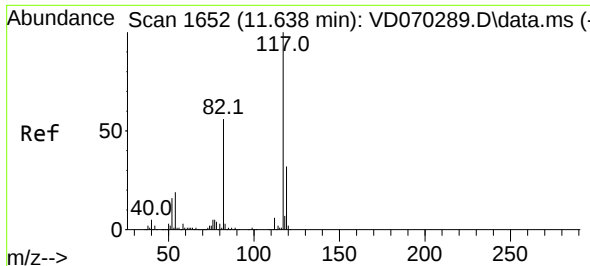
Tgt Ion: 98 Resp: 677133
Ion Ratio Lower Upper
98 100
100 65.8 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 44.388 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070542.D
Acq: 30 Sep 2021 15:48

Tgt Ion: 95 Resp: 213262
Ion Ratio Lower Upper
95 100
174 72.9 0.0 140.6
176 70.8 0.0 137.4

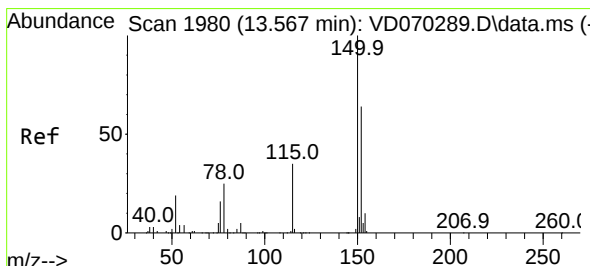
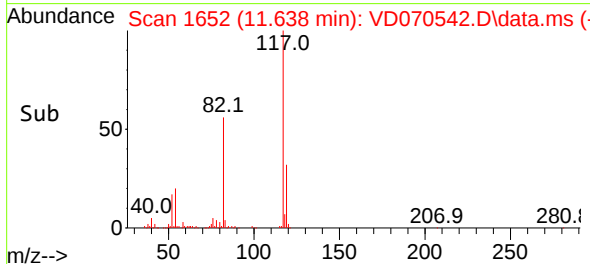
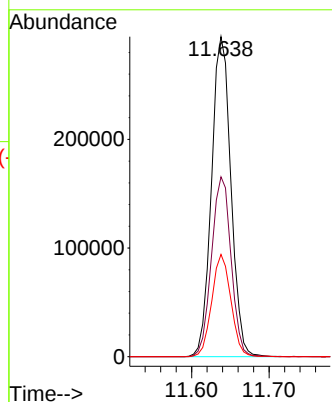
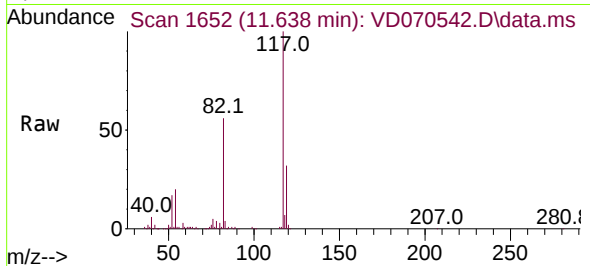




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070542.D
Acq: 30 Sep 2021 15:48

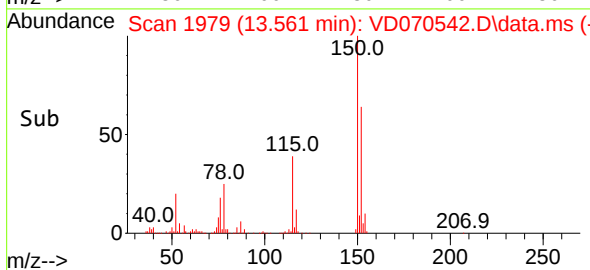
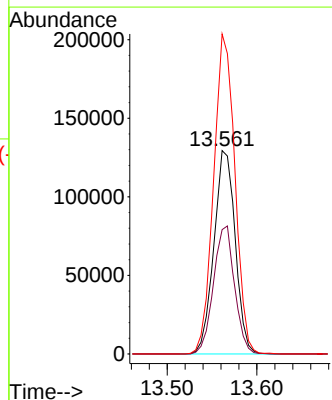
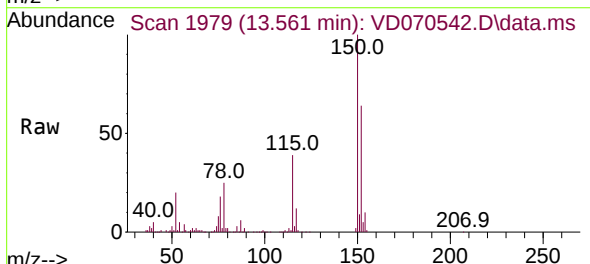
Instrument :
MSVOA_D
ClientSampled :

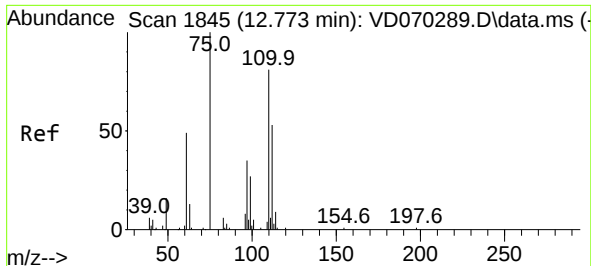
Tgt Ion:	117	Resp:	512696
Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.0	67.4
119	32.0	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070542.D
Acq: 30 Sep 2021 15:48

Tgt Ion:	152	Resp:	213868
Ion	Ratio	Lower	Upper
152	100		
115	62.1	32.1	96.3
150	156.8	0.0	350.6

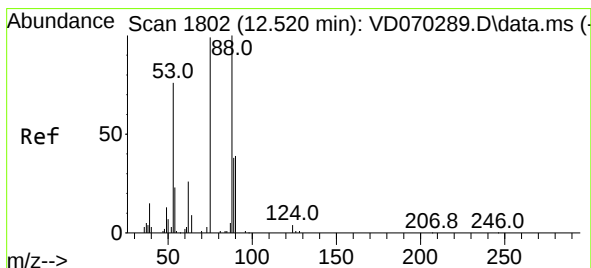
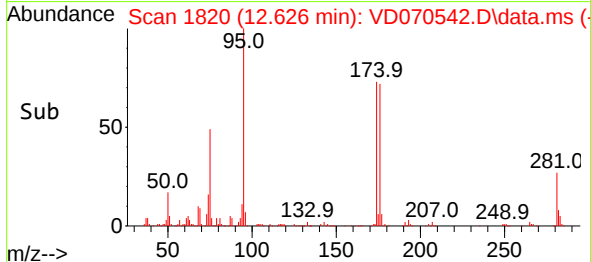
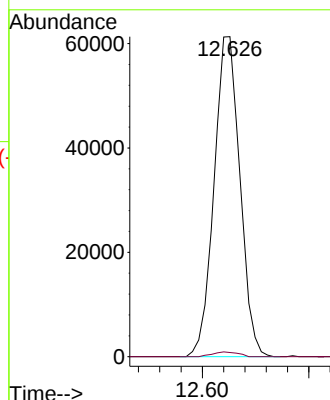
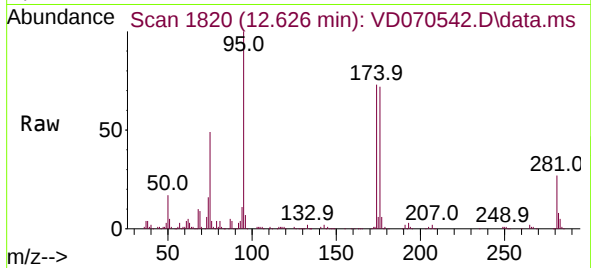




#76
1,2,3-Trichloropropane
Concen: 47.748 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070542.D
Acq: 30 Sep 2021 15:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 103294
Ion Ratio Lower Upper
75 100
77 1.5 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.638 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070542.D
Acq: 30 Sep 2021 15:48

Tgt Ion: 75 Resp: 103294
Ion Ratio Lower Upper
75 100
53 0.1 64.2 96.2#
89 0.4 35.6 53.4#

