

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
 Data File : VD070461.D
 Acq On : 24 Sep 2021 18:13
 Operator : VA/SY
 Sample : M3920-04
 Misc : 6.32G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 25 03:09:44 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)

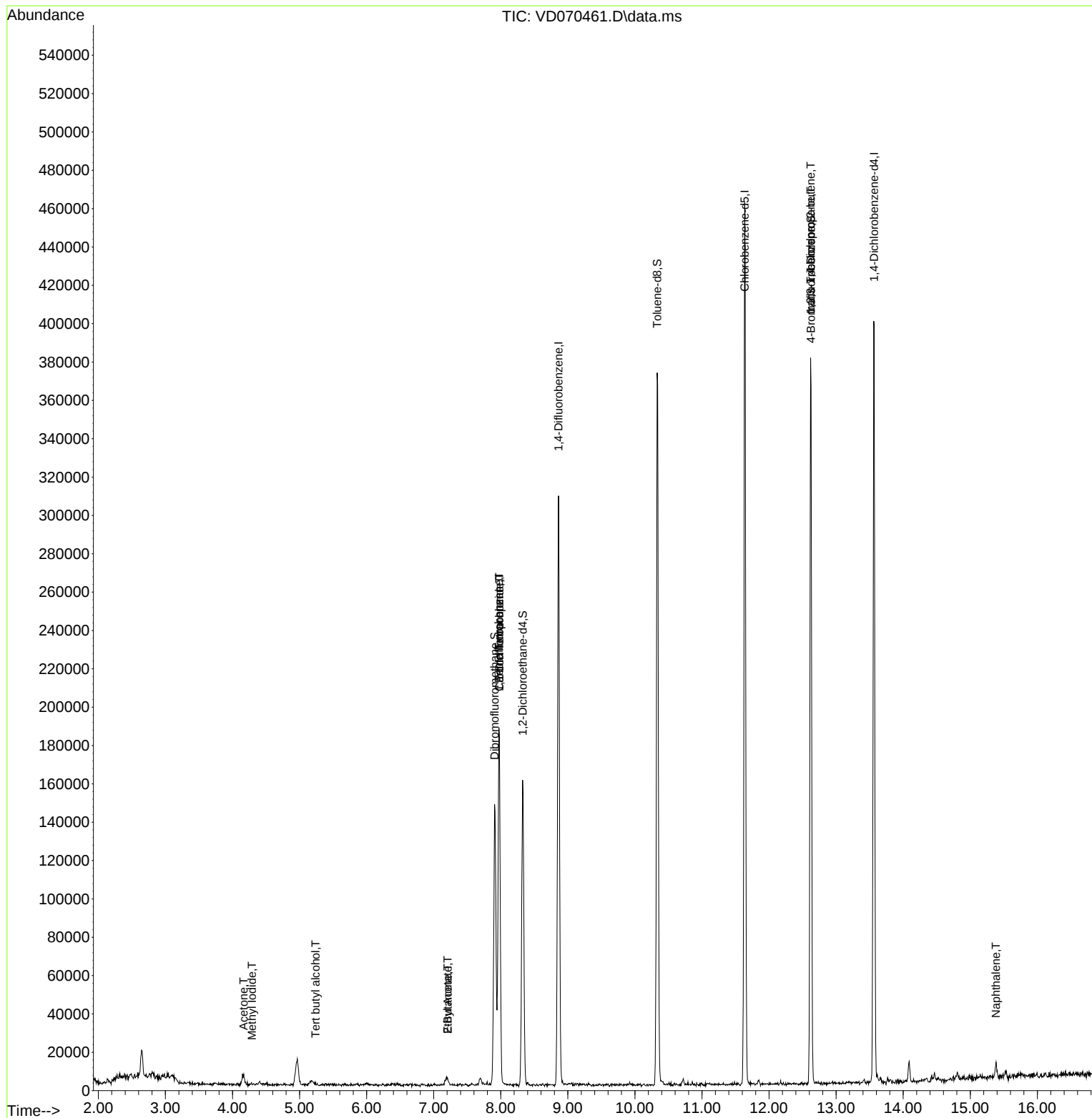
Internal Standards						
1) Pentafluorobenzene	7.973	168	130745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	259205	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	277068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	111052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	126966	75.629	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 151.260%			
35) Dibromofluoromethane	7.908	113	107853	58.455	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.920%			
50) Toluene-d8	10.332	98	271095	40.468	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 80.940%			
62) 4-Bromofluorobenzene	12.626	95	94864	40.519	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 81.040%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	452	Below Cal	#	42
5) Bromomethane	2.779	94	1110	Below Cal	#	67
6) Chloroethane	2.856	64	60	Below Cal	#	43
10) Methyl Iodide	4.291	142	541	1.356	ug/l #	39
11) Tert butyl alcohol	5.238	59	494	2.602	ug/l #	100
16) Acetone	4.167	43	8780	29.294	ug/l	94
20) Methylene Chloride	4.956	84	11293	Below Cal	#	93
25) 2-Butanone	7.208	43	1859	4.659	ug/l #	47
36) 1,1-Dichloropropene	7.979	75	11797	4.258	ug/l #	48
37) Ethyl Acetate	7.208	43	1859	1.794	ug/l #	83
38) Carbon Tetrachloride	7.979	117	14754	5.384	ug/l #	17
76) 1,2,3-Trichloropropane	12.620	75	46039	40.985	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	46039	102.692	ug/l #	17
95) Naphthalene	15.385	128	6517	2.012	ug/l #	93

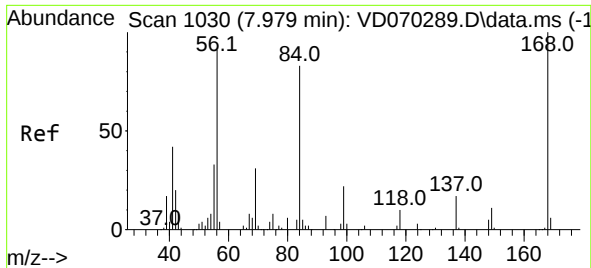
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 25 03:09:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
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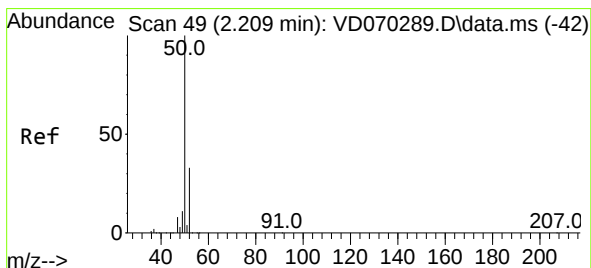
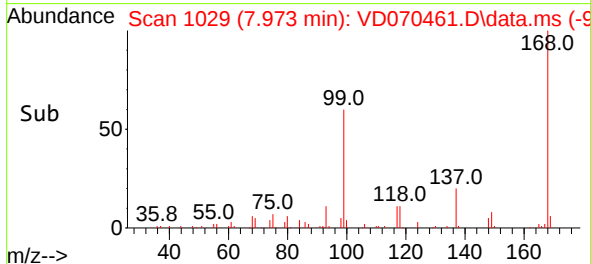
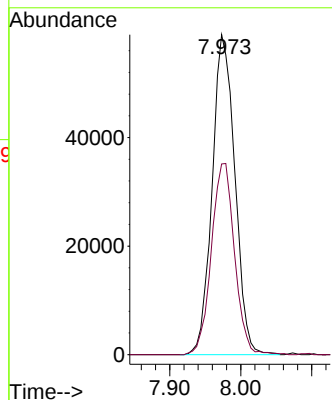
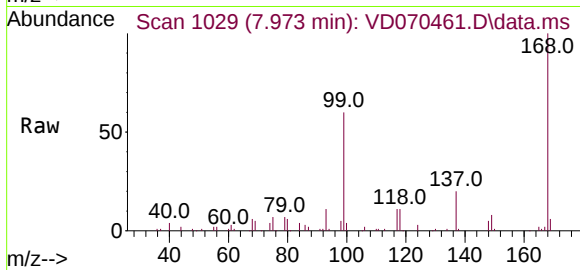




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070461.D
Acq: 24 Sep 2021 18:13

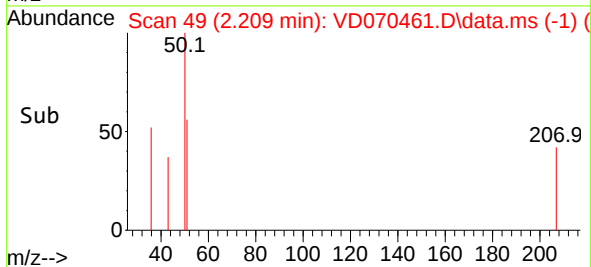
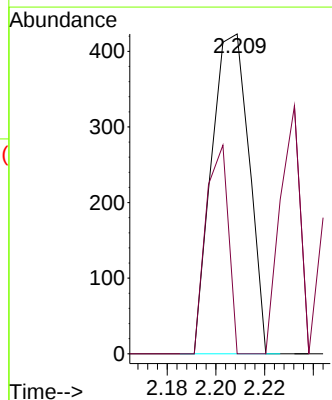
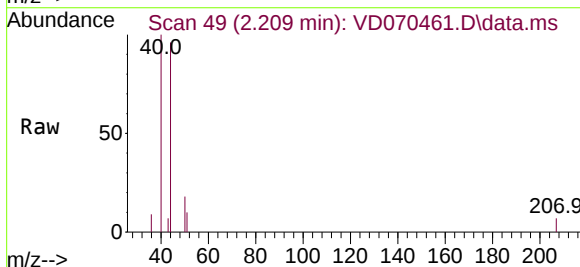
Instrument :
MSVOA_D
ClientSampleId :

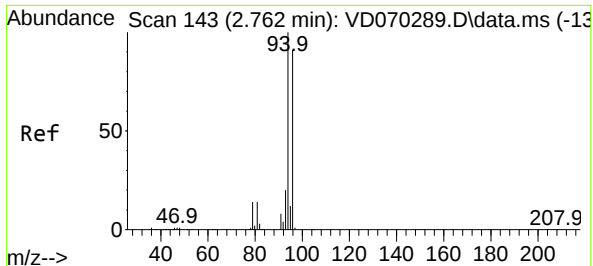
Tgt Ion:168 Resp: 130745
Ion Ratio Lower Upper
168 100
99 59.6 50.8 76.2



#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070461.D
Acq: 24 Sep 2021 18:13

Tgt Ion: 50 Resp: 452
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#

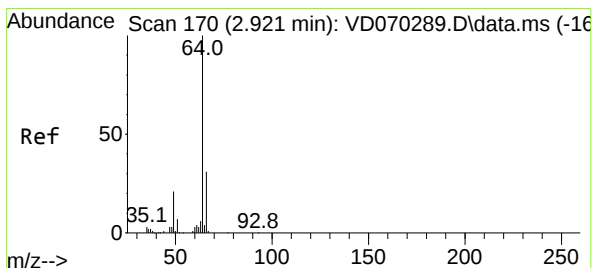
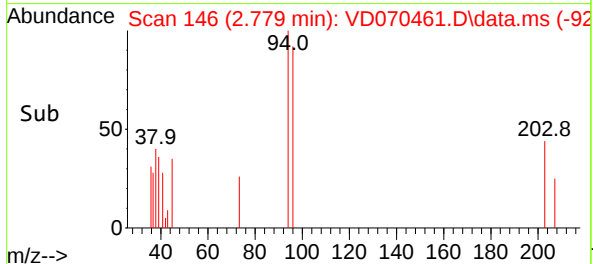
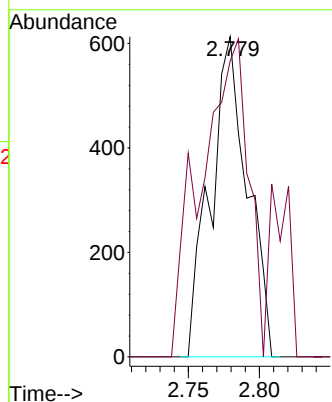
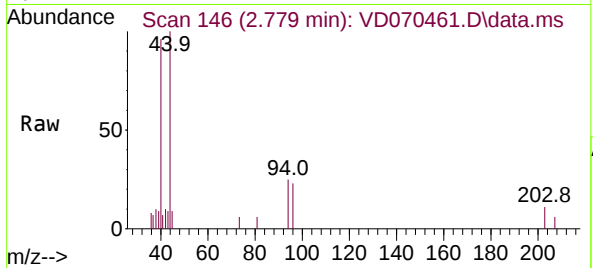




#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070461.D
Acq: 24 Sep 2021 18:13

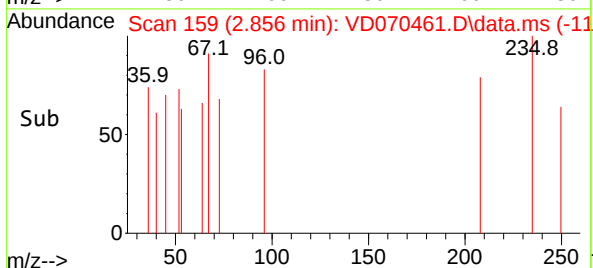
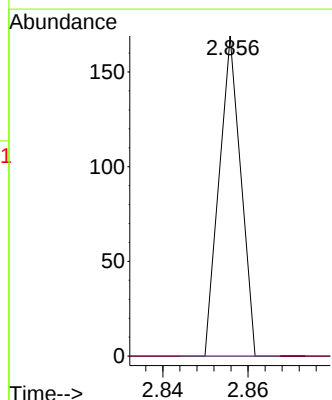
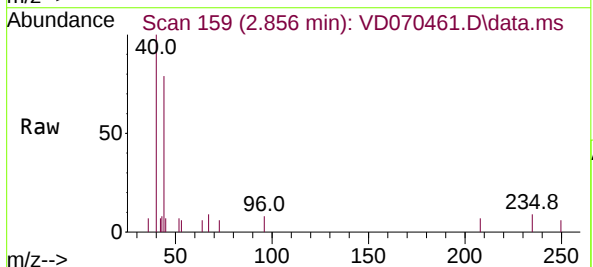
Instrument :
MSVOA_D
ClientSampleId :

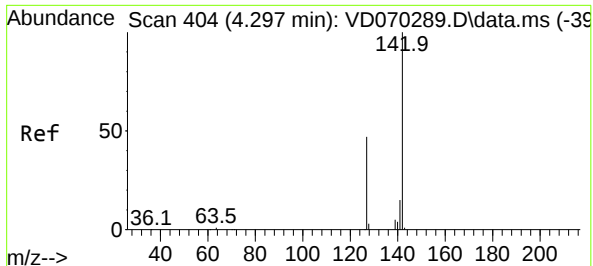
Tgt Ion: 94 Resp: 1110
Ion Ratio Lower Upper
94 100
96 59.9 73.0 109.6#



#6
Chloroethane
Concen: Below Cal
RT: 2.856 min Scan# 159
Delta R.T. -0.065 min
Lab File: VD070461.D
Acq: 24 Sep 2021 18:13

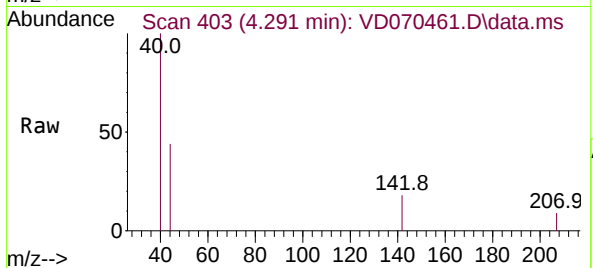
Tgt Ion: 64 Resp: 60
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



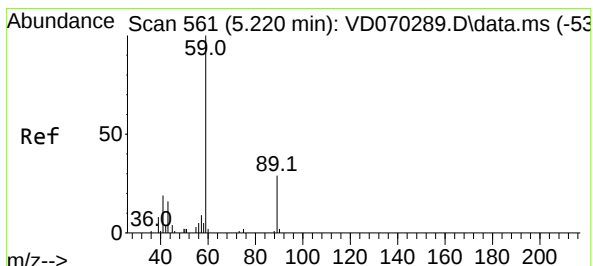
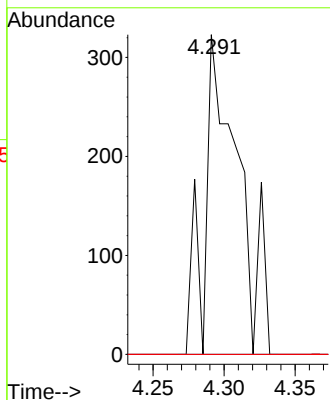
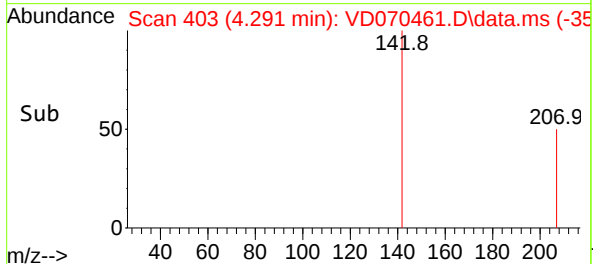


#10
Methyl Iodide
Concen: 1.356 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070461.D
Acq: 24 Sep 2021 18:13

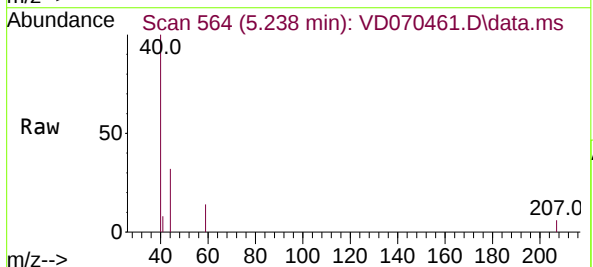
Instrument :
MSVOA_D
ClientSampleId :



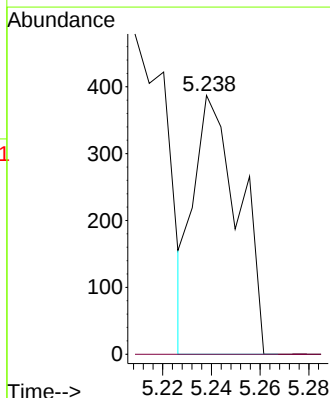
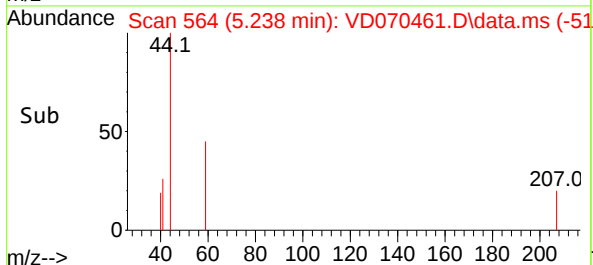
Tgt Ion:142 Resp: 541
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#

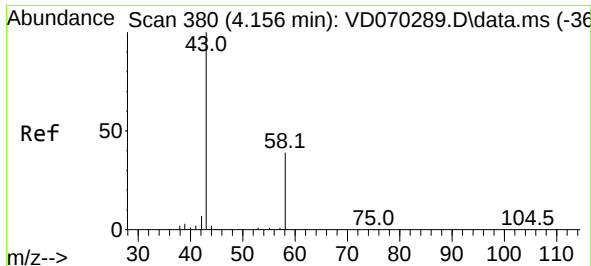


#11
Tert butyl alcohol
Concen: 2.602 ug/l
RT: 5.238 min Scan# 564
Delta R.T. 0.018 min
Lab File: VD070461.D
Acq: 24 Sep 2021 18:13



Tgt Ion: 59 Resp: 494
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

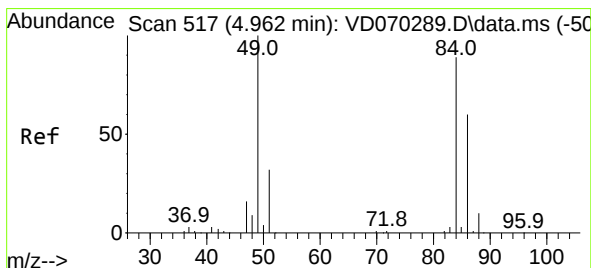
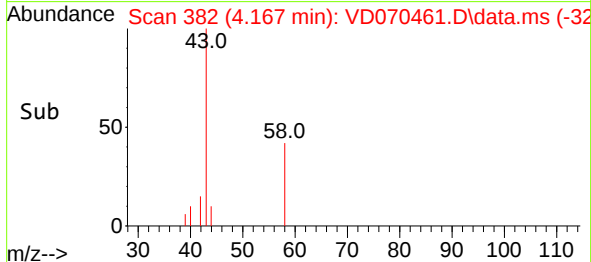
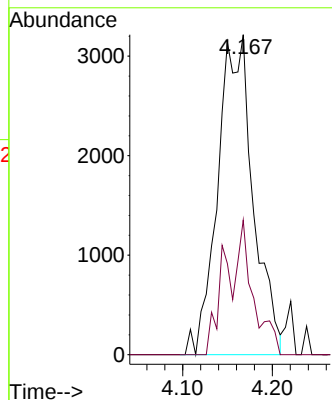
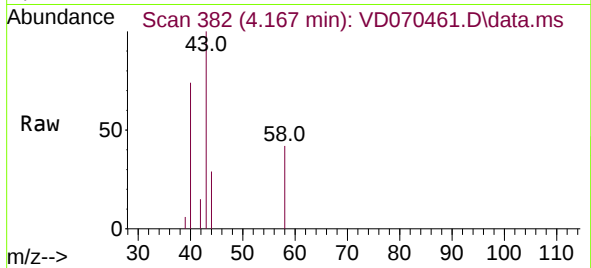




#16
Acetone
Concen: 29.294 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070461.D
Acq: 24 Sep 2021 18:13

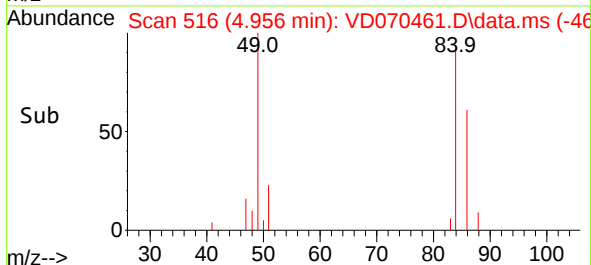
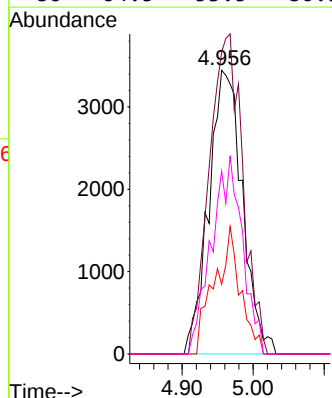
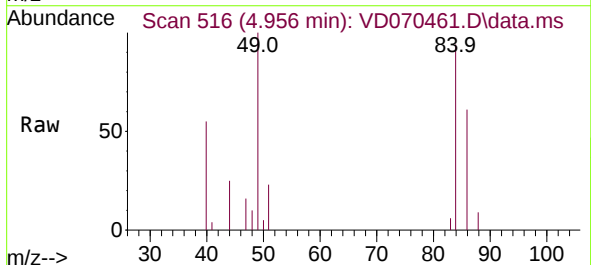
Instrument :
MSVOA_D
ClientSampled :

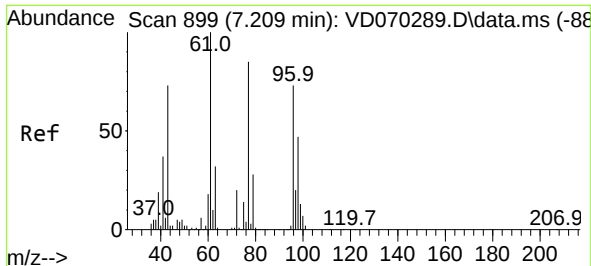
Tgt Ion: 43 Resp: 8780
Ion Ratio Lower Upper
43 100
58 42.1 30.9 46.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070461.D
Acq: 24 Sep 2021 18:13

Tgt Ion: 84 Resp: 11293
Ion Ratio Lower Upper
84 100
49 106.5 89.6 134.4
51 24.6 28.6 43.0#
86 64.5 53.5 80.3

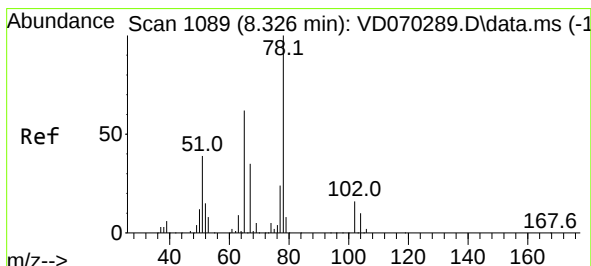
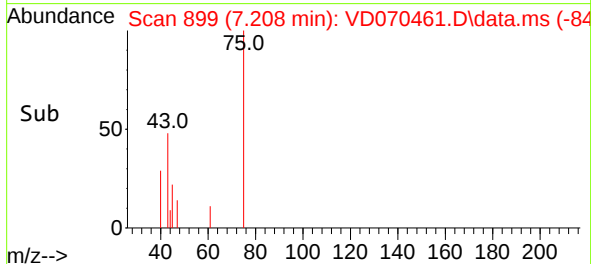
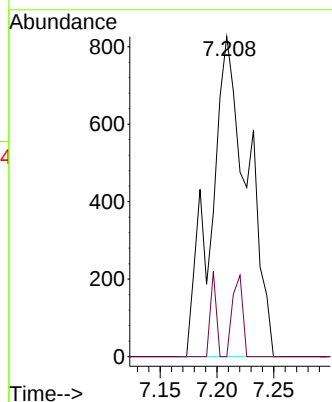
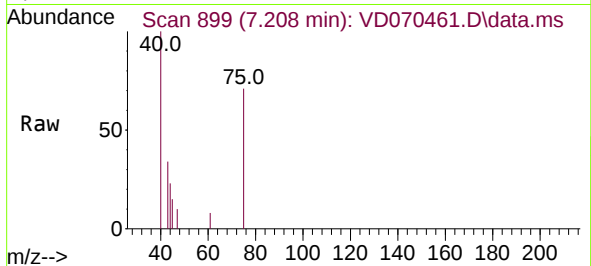




#25
2-Butanone
Concen: 4.659 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD070461.D
Acq: 24 Sep 2021 18:13

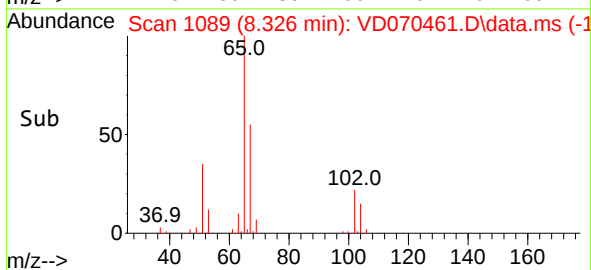
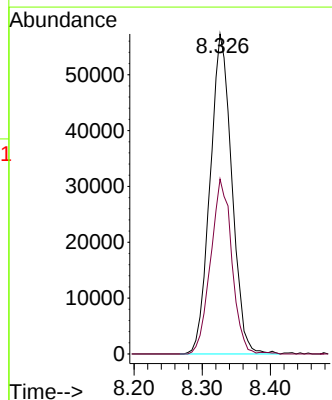
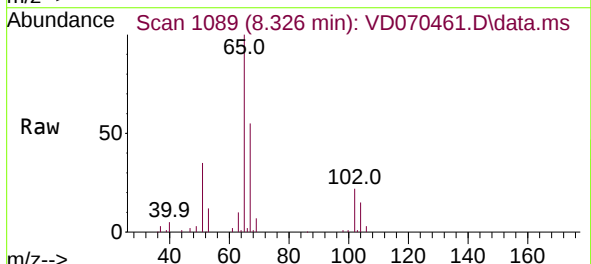
Instrument :
MSVOA_D
ClientSampled :

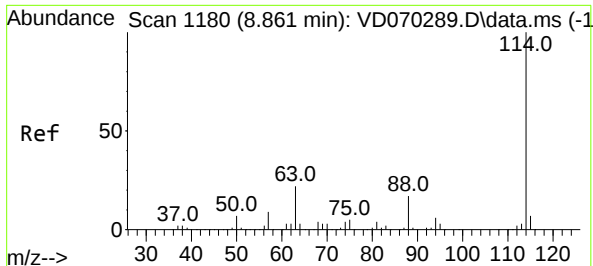
Tgt Ion: 43 Resp: 1859
Ion Ratio Lower Upper
43 100
72 0.0 22.2 33.4#



#33
1,2-Dichloroethane-d4
Concen: 75.629 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070461.D
Acq: 24 Sep 2021 18:13

Tgt Ion: 65 Resp: 126966
Ion Ratio Lower Upper
65 100
67 53.5 0.0 111.4

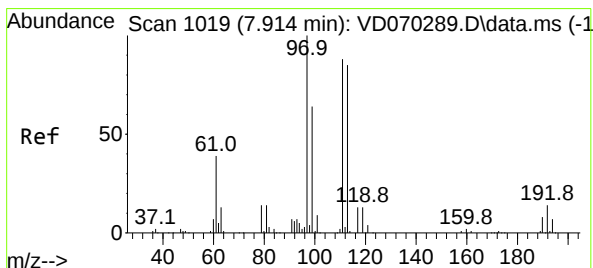
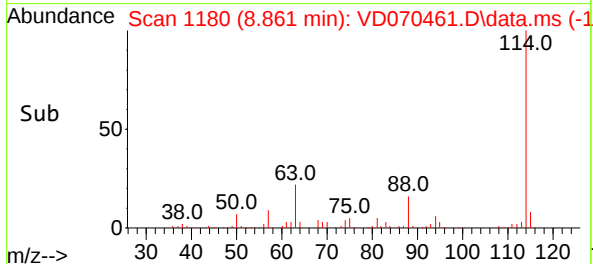
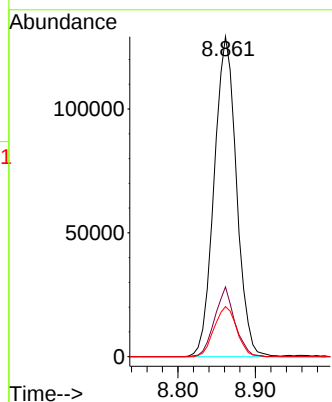
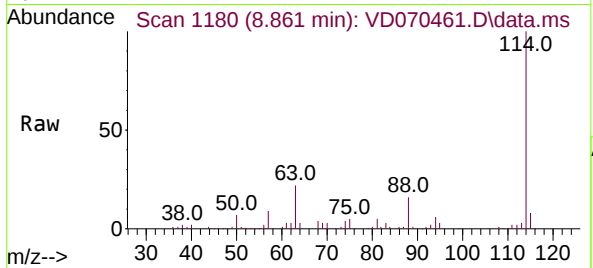




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070461.D
Acq: 24 Sep 2021 18:13

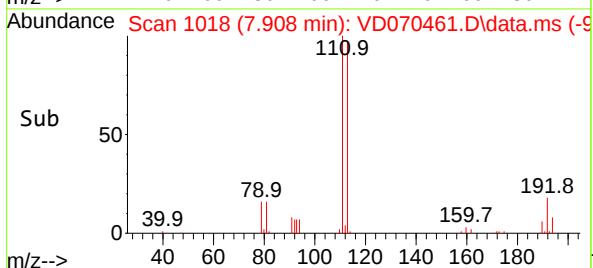
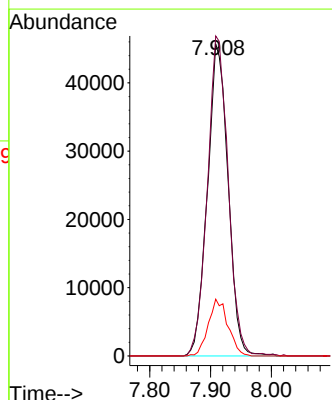
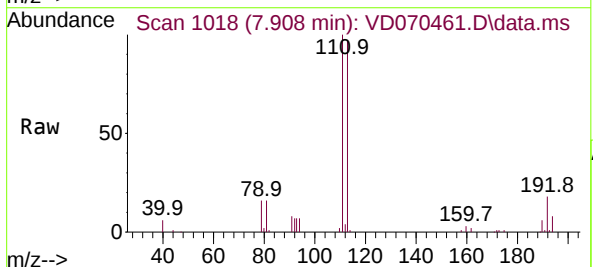
Instrument :
MSVOA_D
ClientSampled :

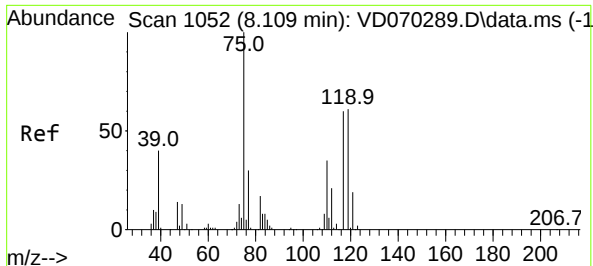
Tgt Ion:114 Resp: 259205
Ion Ratio Lower Upper
114 100
63 21.8 0.0 43.4
88 15.7 0.0 33.4



#35
Dibromofluoromethane
Concen: 58.455 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070461.D
Acq: 24 Sep 2021 18:13

Tgt Ion:113 Resp: 107853
Ion Ratio Lower Upper
113 100
111 103.2 81.4 122.2
192 17.4 13.0 19.6





#36

1,1-Dichloropropene

Concen: 4.258 ug/l

RT: 7.979 min Scan# 1030

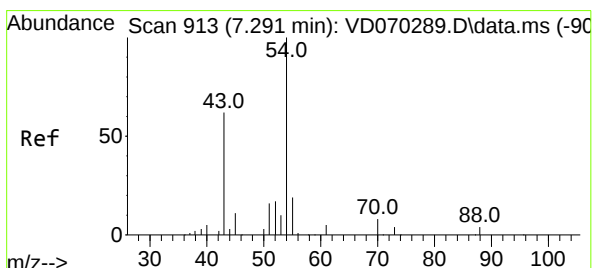
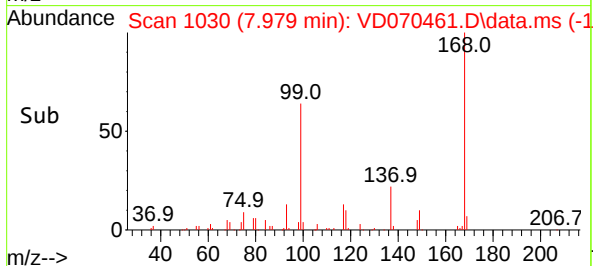
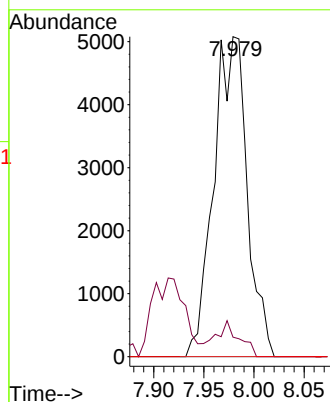
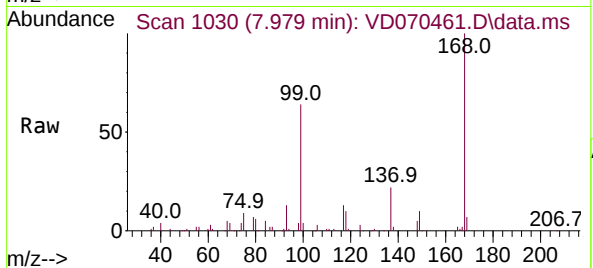
Delta R.T. -0.130 min

Lab File: VD070461.D

Acq: 24 Sep 2021 18:13

Tgt Ion:	75	Resp:	11797
Ion	Ratio	Lower	Upper
75	100		
110	7.7	17.9	53.7#
77	0.0	25.3	37.9#

Instrument :
MSVOA_D
ClientSampled :



#37

Ethyl Acetate

Concen: 1.794 ug/l

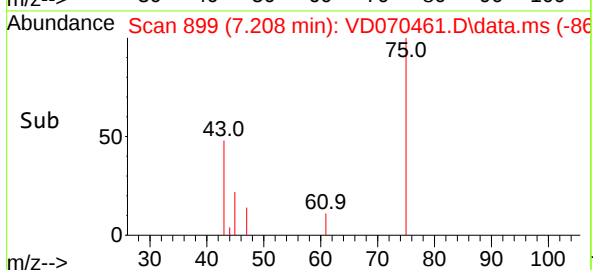
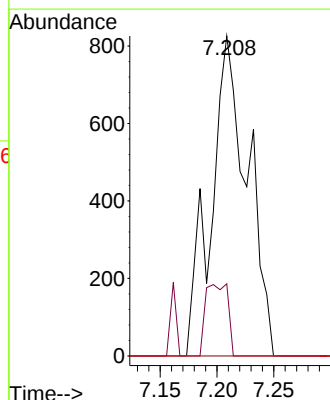
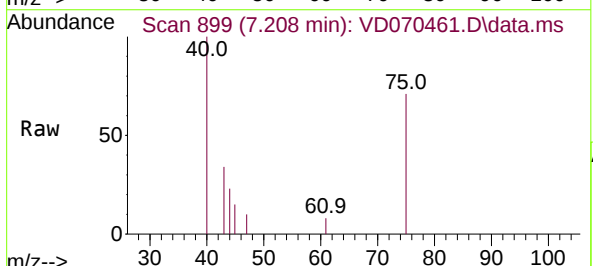
RT: 7.208 min Scan# 899

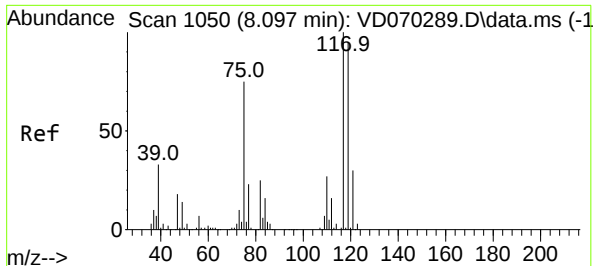
Delta R.T. -0.082 min

Lab File: VD070461.D

Acq: 24 Sep 2021 18:13

Tgt Ion:	43	Resp:	1859
Ion	Ratio	Lower	Upper
43	100		
61	13.6	13.0	19.6
70	0.0	9.8	14.6#

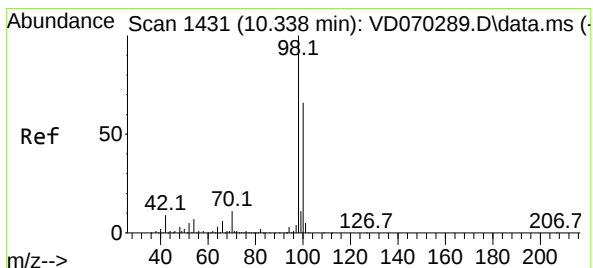
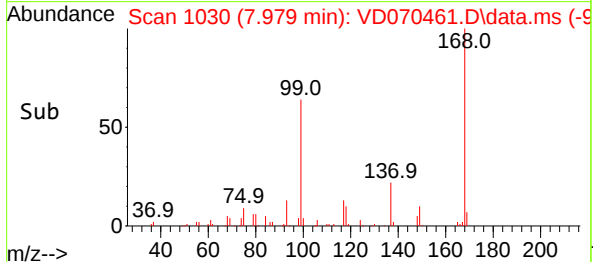
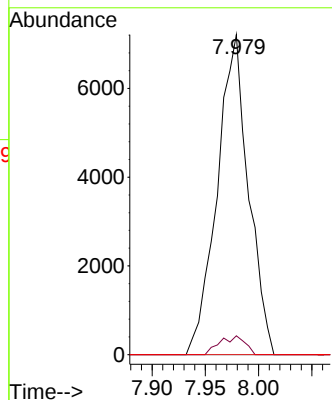
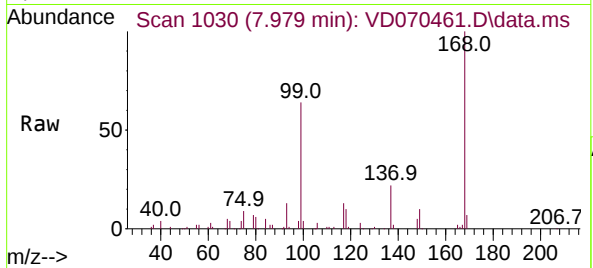




#38
Carbon Tetrachloride
Concen: 5.384 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070461.D
Acq: 24 Sep 2021 18:13

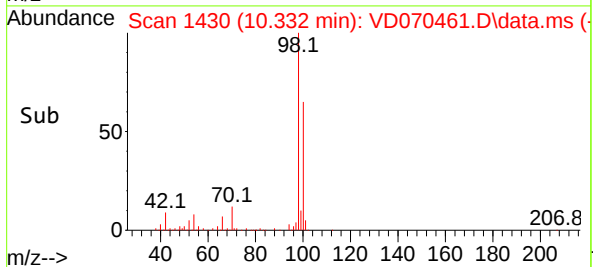
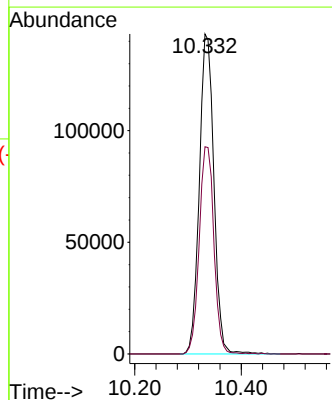
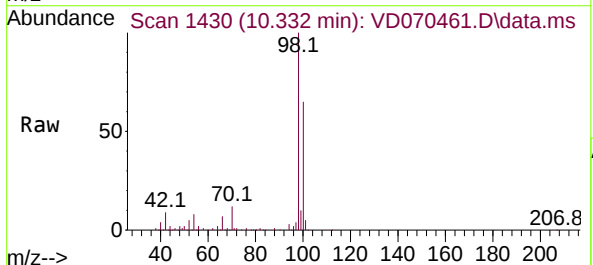
Instrument :
MSVOA_D
ClientSampled :

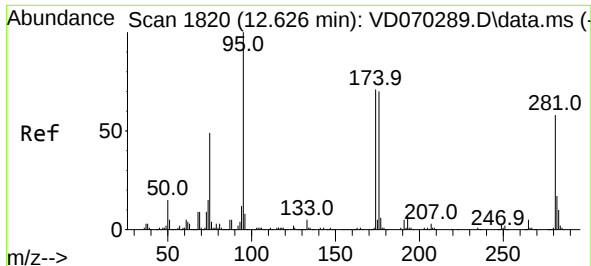
Tgt Ion:117 Resp: 14754
Ion Ratio Lower Upper
117 100
119 5.9 76.1 114.1#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 40.468 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070461.D
Acq: 24 Sep 2021 18:13

Tgt Ion: 98 Resp: 271095
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0

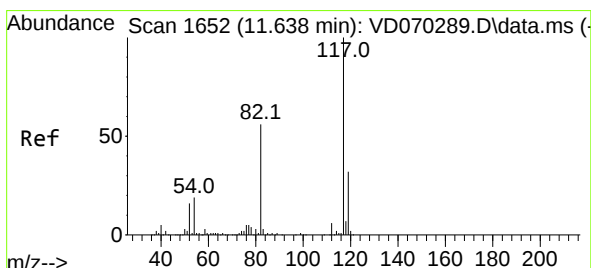
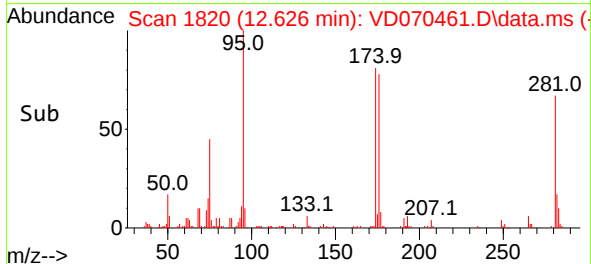
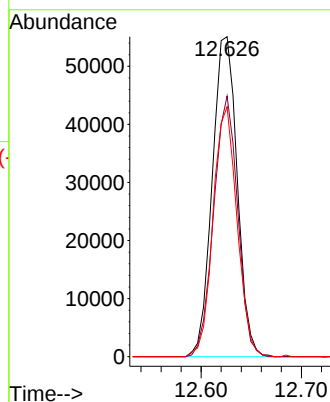
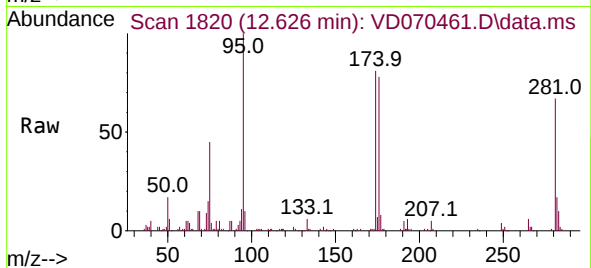




#62
4-Bromofluorobenzene
Concen: 40.519 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070461.D
Acq: 24 Sep 2021 18:13

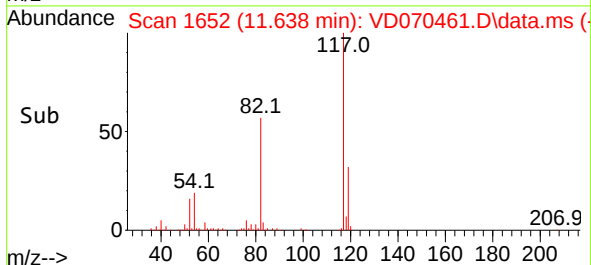
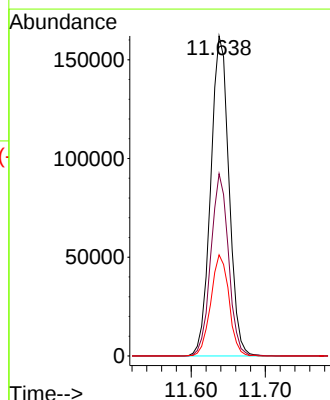
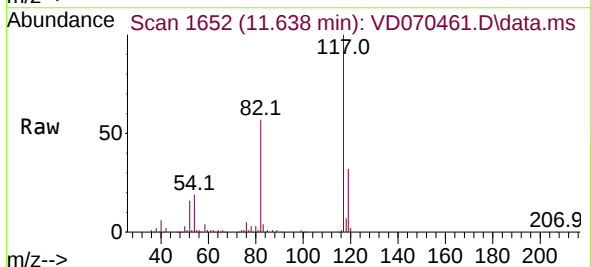
Instrument :
MSVOA_D
ClientSampleId :

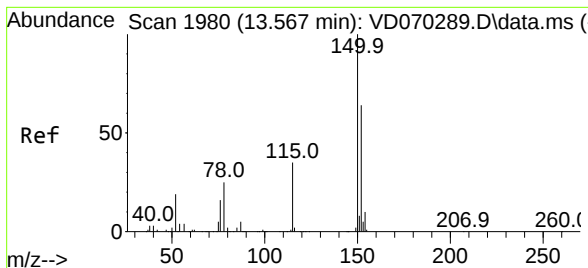
Tgt Ion: 95 Resp: 94864
Ion Ratio Lower Upper
95 100
174 78.2 0.0 140.6
176 75.2 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070461.D
Acq: 24 Sep 2021 18:13

Tgt Ion:117 Resp: 277068
Ion Ratio Lower Upper
117 100
82 57.0 45.0 67.4
119 31.6 25.2 37.8

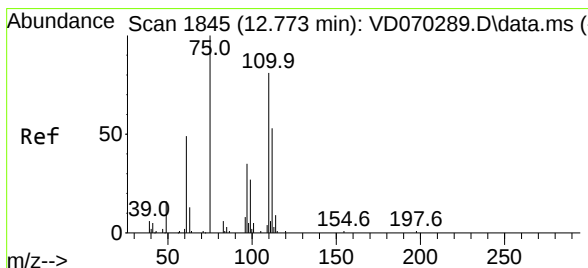
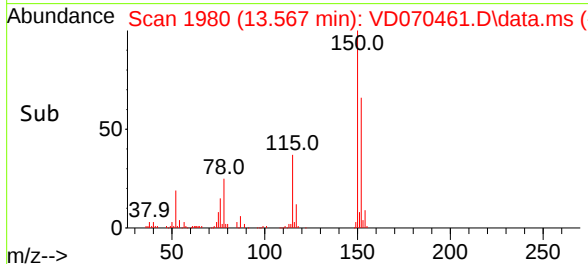
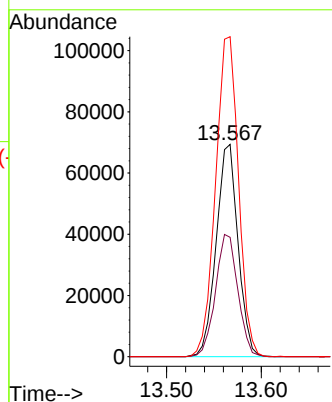
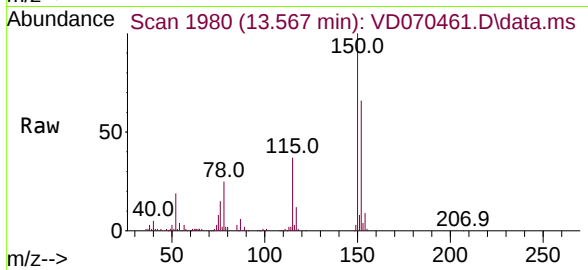




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070461.D
 Acq: 24 Sep 2021 18:13

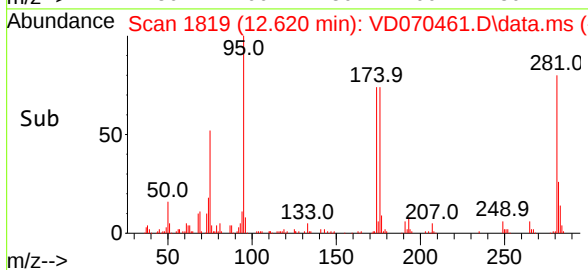
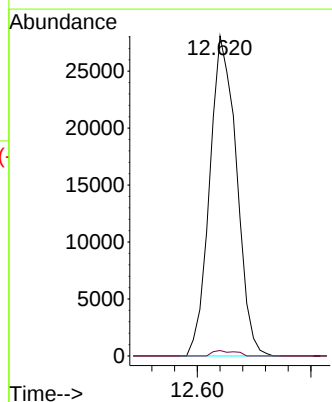
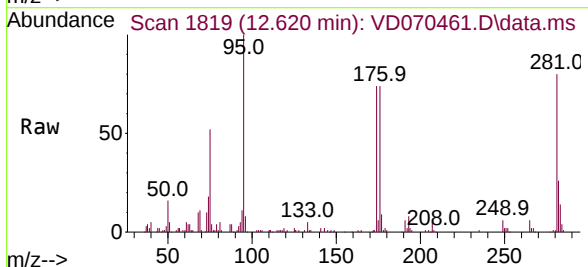
Instrument :
 MSVOA_D
 ClientSampled :

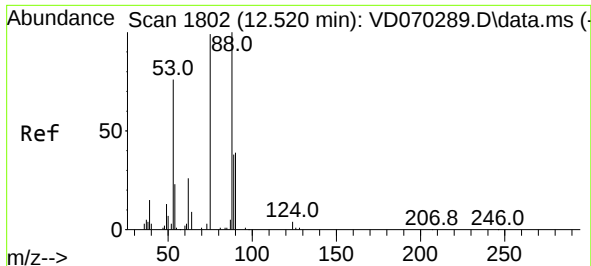
Tgt Ion:152 Resp: 111052
 Ion Ratio Lower Upper
 152 100
 115 59.0 32.1 96.3
 150 158.1 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 40.985 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD070461.D
 Acq: 24 Sep 2021 18:13

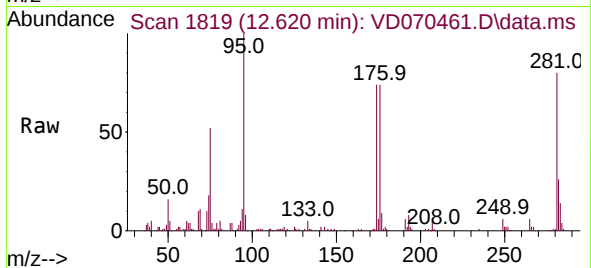
Tgt Ion: 75 Resp: 46039
 Ion Ratio Lower Upper
 75 100
 77 1.4 174.9 524.7#



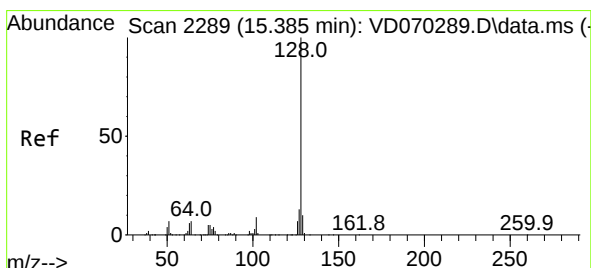
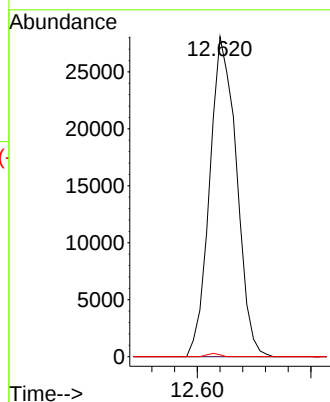
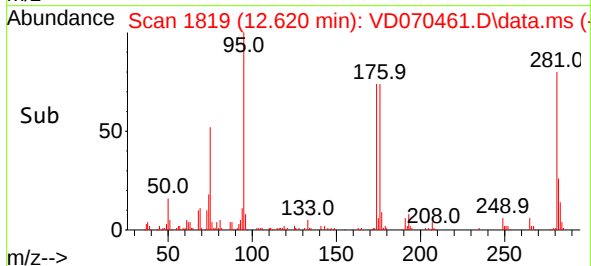


#81
trans-1,4-Dichloro-2-butene
Concen: 102.692 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070461.D
Acq: 24 Sep 2021 18:13

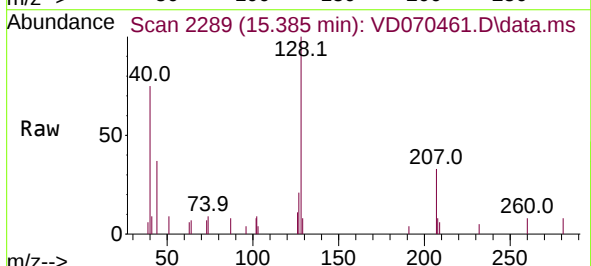
Instrument :
MSVOA_D
ClientSampled :



Tgt Ion: 75 Resp: 46039
Ion Ratio Lower Upper
75 100
53 0.0 64.2 96.2#
89 0.5 35.6 53.4#



#95
Naphthalene
Concen: 2.012 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD070461.D
Acq: 24 Sep 2021 18:13



Tgt Ion: 128 Resp: 6517
Ion Ratio Lower Upper
128 100
127 16.9 10.5 15.7#
129 9.4 9.0 13.4

