

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092121\
 Data File : VD070411.D
 Acq On : 21 Sep 2021 18:28
 Operator : VA/SY
 Sample : M3860-01
 Misc : 6.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 22 01:48:58 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)

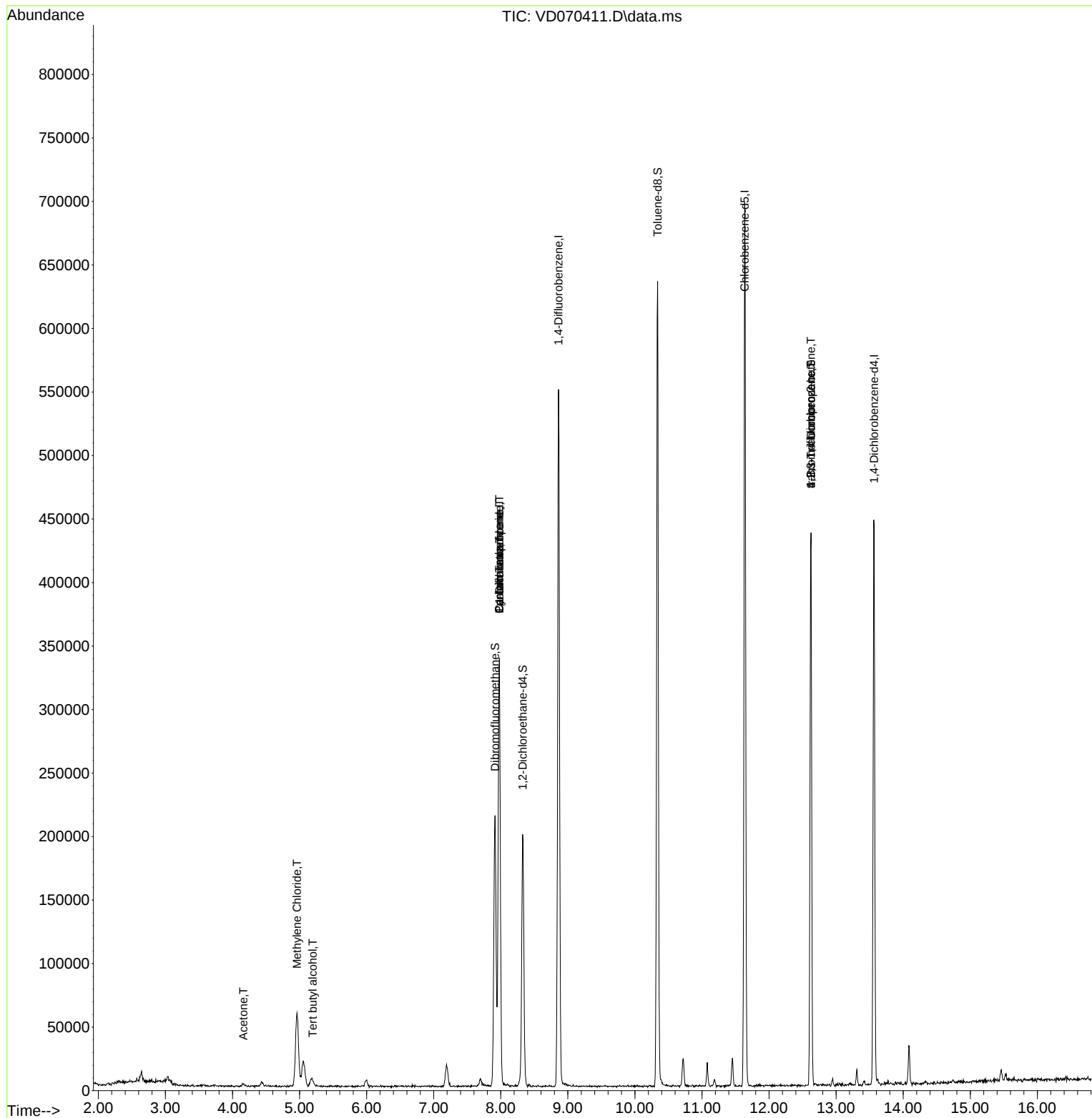
Internal Standards						
1) Pentafluorobenzene	7.979	168	235678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	467558	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	408721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	124801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	156521	51.723	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.440%			
35) Dibromofluoromethane	7.914	113	157477	47.317	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.640%			
50) Toluene-d8	10.338	98	444466	36.782	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 73.560%			
62) 4-Bromofluorobenzene	12.626	95	119868	28.384	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 56.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	149	Below Cal	#	43
3) Chloromethane	2.209	50	573	Below Cal	#	15
5) Bromomethane	2.779	94	737	Below Cal	#	46
6) Chloroethane	2.644	64	117	Below Cal	#	43
11) Tert butyl alcohol	5.197	59	6610	19.318	ug/l #	100
16) Acetone	4.161	43	3267	6.047	ug/l	89
18) Methyl Acetate	4.679	43	81	Below Cal	#	48
20) Methylene Chloride	4.961	84	48974	8.520	ug/l	88
31) Cyclohexane	7.979	56	5893	1.130	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	22327	4.468	ug/l #	48
38) Carbon Tetrachloride	7.979	117	27087	5.480	ug/l #	18
76) 1,2,3-Trichloropropane	12.626	75	57490	45.541	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	57490	114.107	ug/l #	18

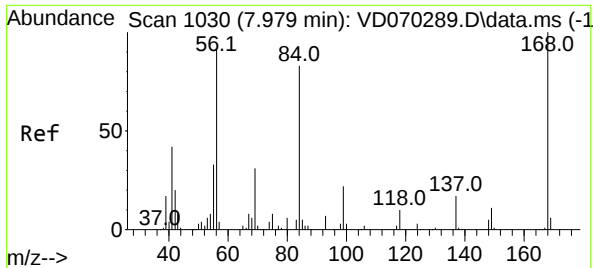
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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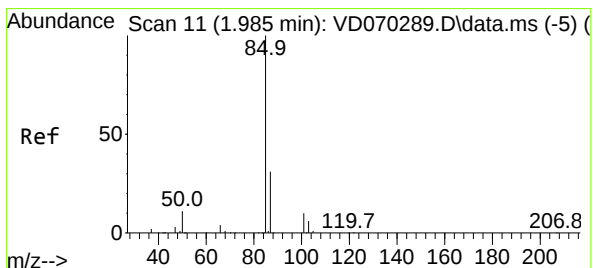
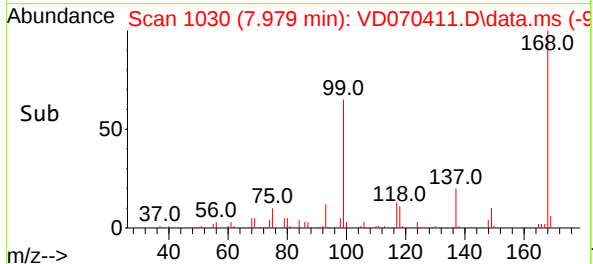
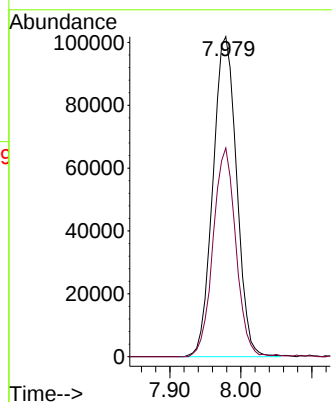
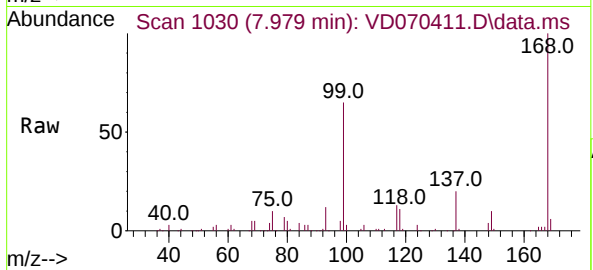




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070411.D
Acq: 21 Sep 2021 18:28

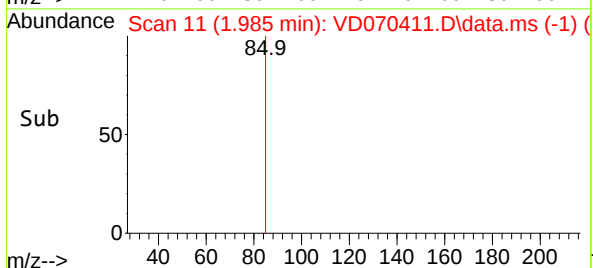
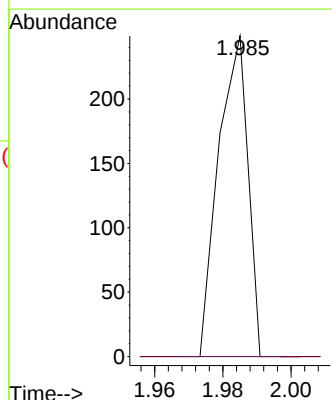
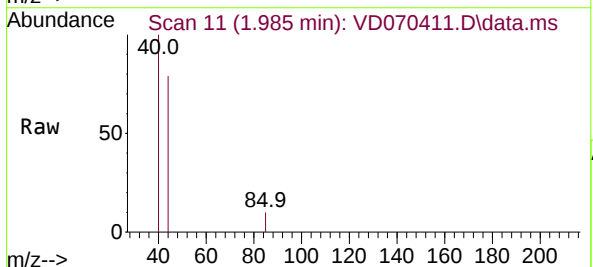
Instrument :
MSVOA_D
ClientSampleId :

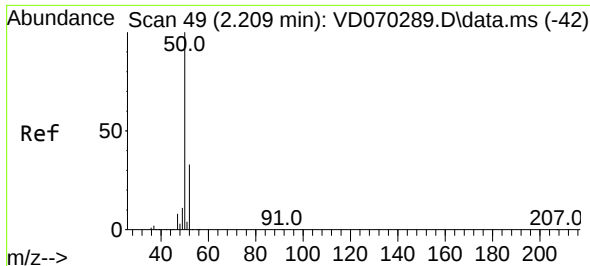
Tgt Ion:168 Resp: 235678
Ion Ratio Lower Upper
168 100
99 65.2 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070411.D
Acq: 21 Sep 2021 18:28

Tgt Ion: 85 Resp: 149
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

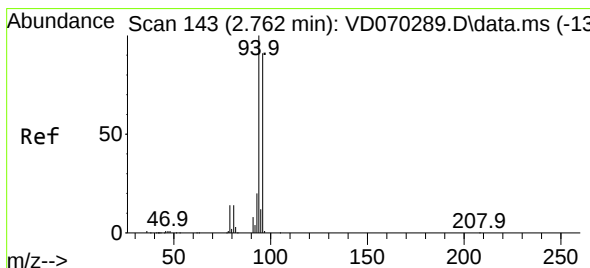
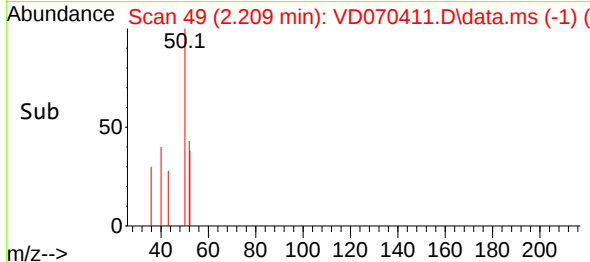
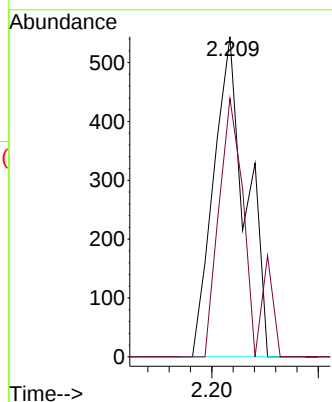
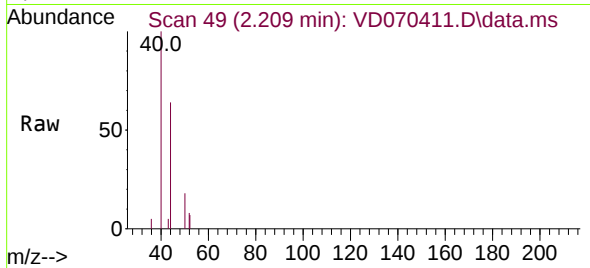




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070411.D
Acq: 21 Sep 2021 18:28

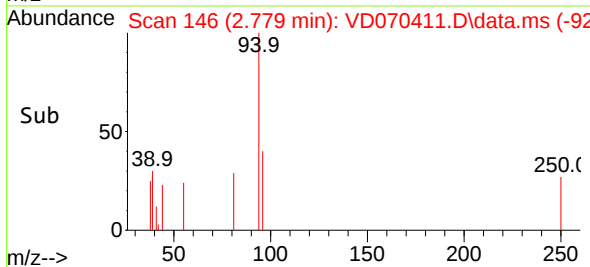
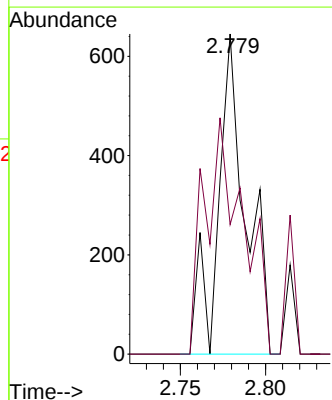
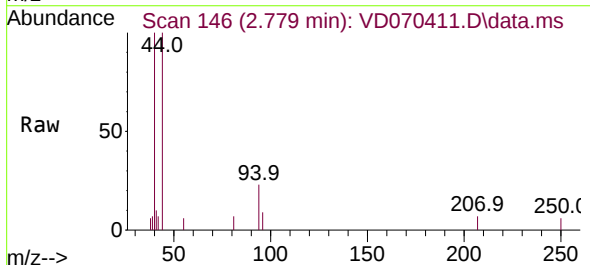
Instrument :
MSVOA_D
ClientSampled :

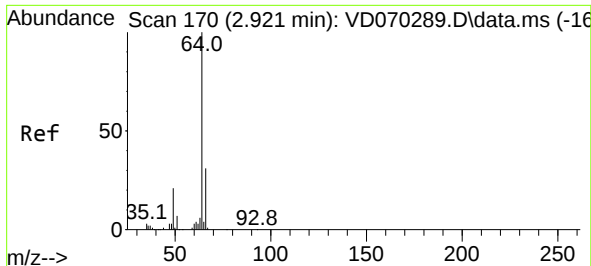
Tgt Ion: 50 Resp: 573
Ion Ratio Lower Upper
50 100
52 80.7 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070411.D
Acq: 21 Sep 2021 18:28

Tgt Ion: 94 Resp: 737
Ion Ratio Lower Upper
94 100
96 40.5 73.0 109.6#

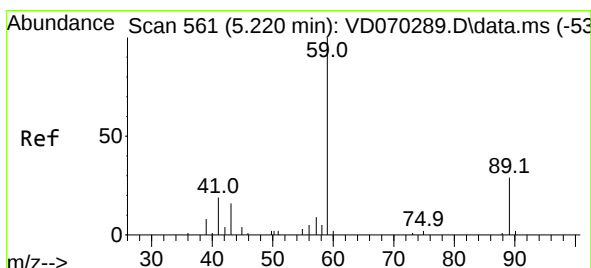
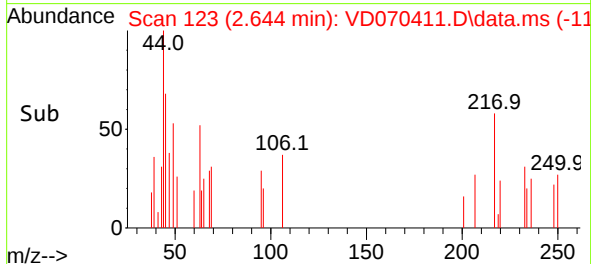
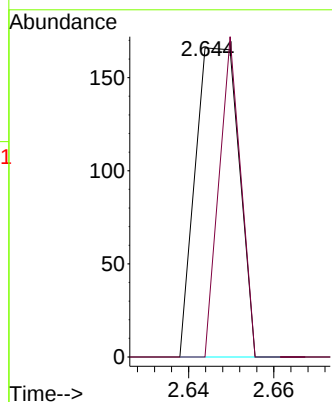
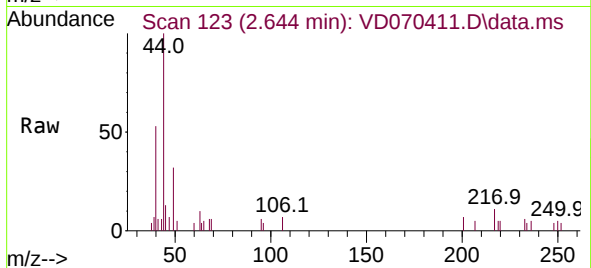




#6
Chloroethane
Concen: Below Cal
RT: 2.644 min Scan# 123
Delta R.T. -0.277 min
Lab File: VD070411.D
Acq: 21 Sep 2021 18:28

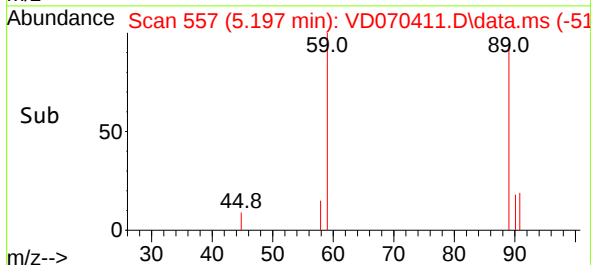
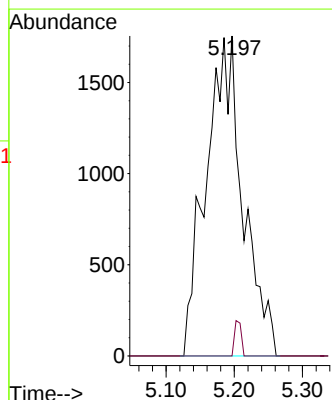
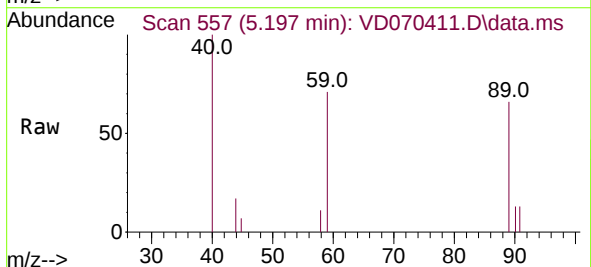
Instrument :
MSVOA_D
ClientSampleID :

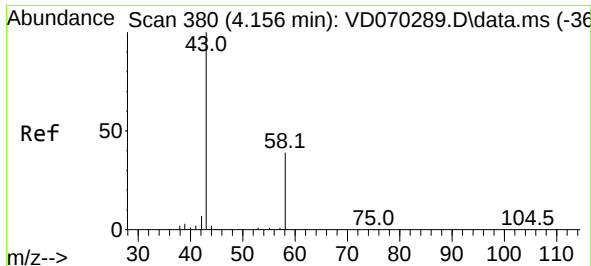
Tgt Ion: 64 Resp: 117
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#11
Tert butyl alcohol
Concen: 19.318 ug/l
RT: 5.197 min Scan# 557
Delta R.T. -0.023 min
Lab File: VD070411.D
Acq: 21 Sep 2021 18:28

Tgt Ion: 59 Resp: 6610
Ion Ratio Lower Upper
59 100
57 2.0 0.0 0.0#

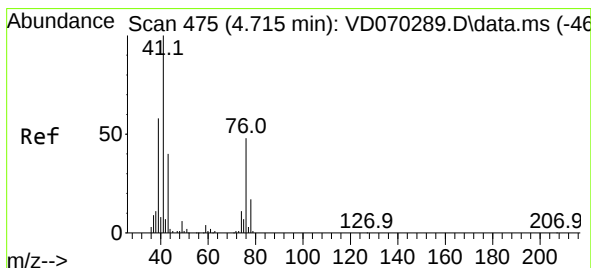
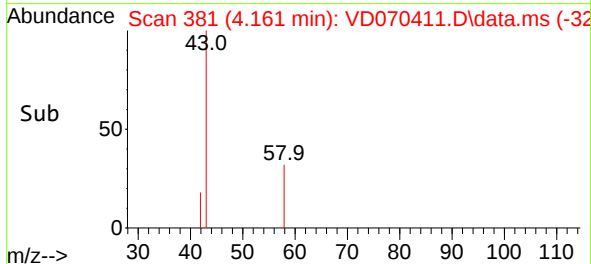
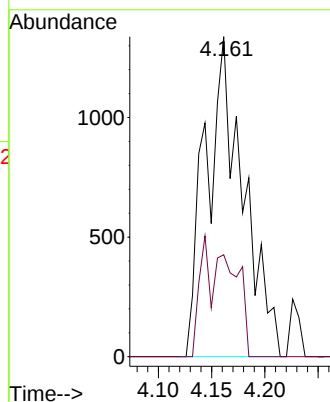
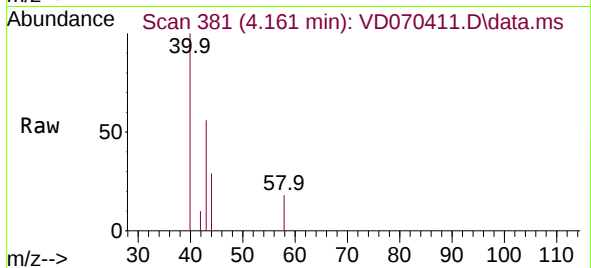




#16
Acetone
Concen: 6.047 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070411.D
Acq: 21 Sep 2021 18:28

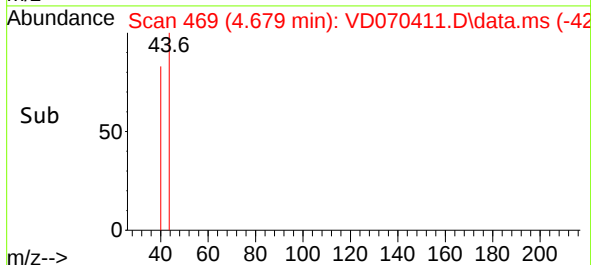
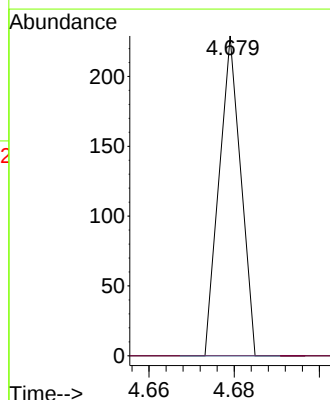
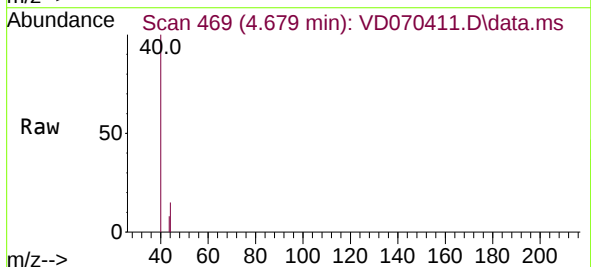
Instrument :
MSVOA_D
ClientSampleId :

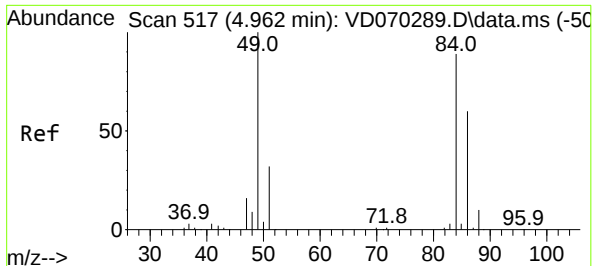
Tgt Ion: 43 Resp: 3267
Ion Ratio Lower Upper
43 100
58 31.8 30.9 46.3



#18
Methyl Acetate
Concen: Below Cal
RT: 4.679 min Scan# 469
Delta R.T. -0.036 min
Lab File: VD070411.D
Acq: 21 Sep 2021 18:28

Tgt Ion: 43 Resp: 81
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

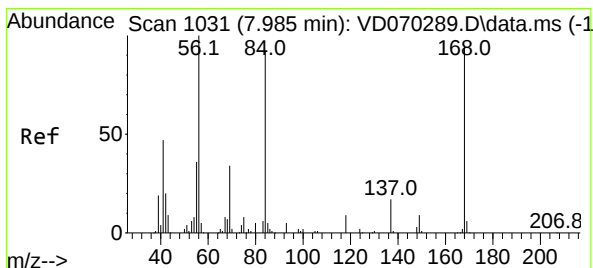
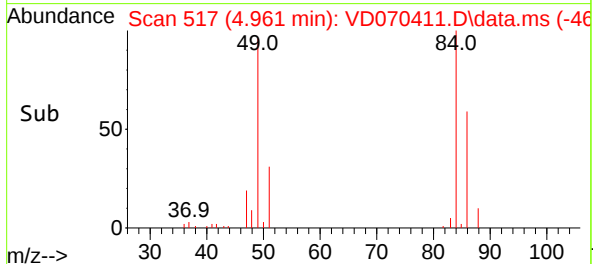
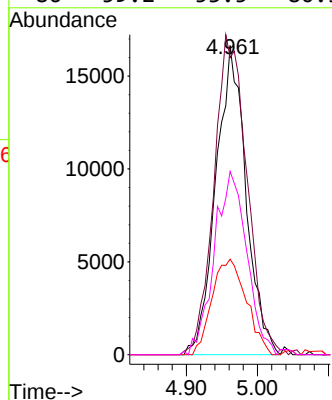
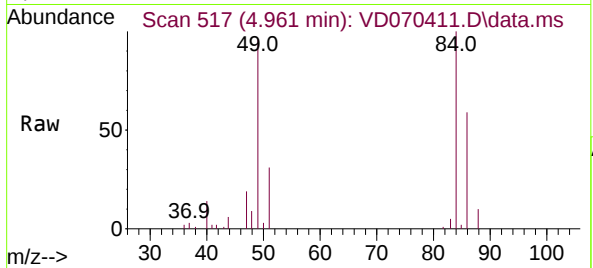




#20
Methylene Chloride
Concen: 8.520 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070411.D
Acq: 21 Sep 2021 18:28

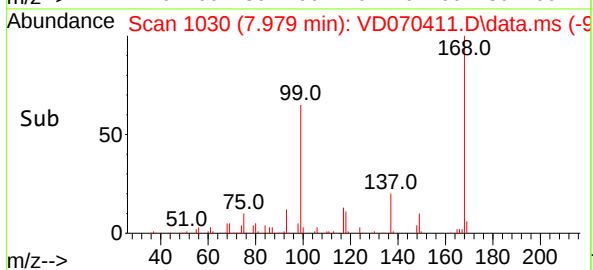
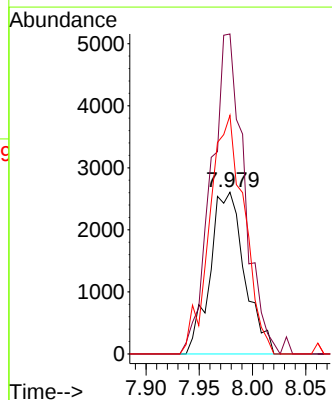
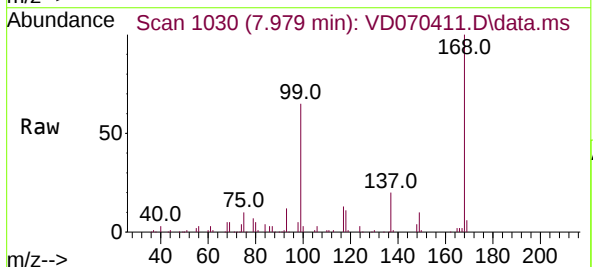
Instrument :
MSVOA_D
ClientSampleId :

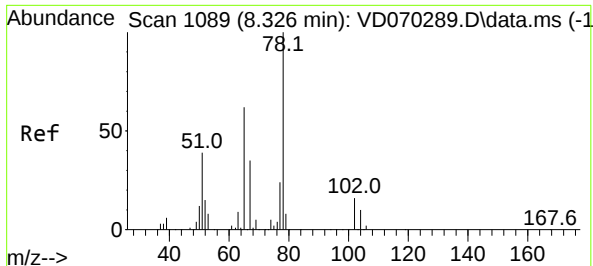
Tgt Ion:	84	Resp:	48974
Ion	Ratio	Lower	Upper
84	100		
49	96.1	89.6	134.4
51	30.9	28.6	43.0
86	59.2	53.5	80.3



#31
Cyclohexane
Concen: 1.130 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070411.D
Acq: 21 Sep 2021 18:28

Tgt Ion:	56	Resp:	5893
Ion	Ratio	Lower	Upper
56	100		
69	197.9	26.9	40.3#
84	147.5	73.6	110.4#



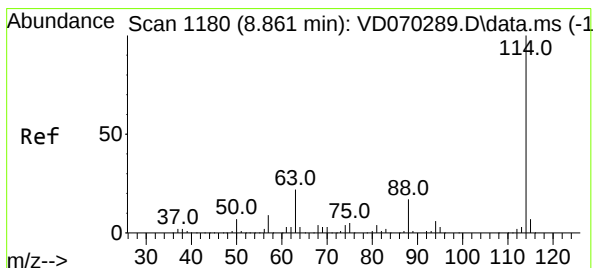
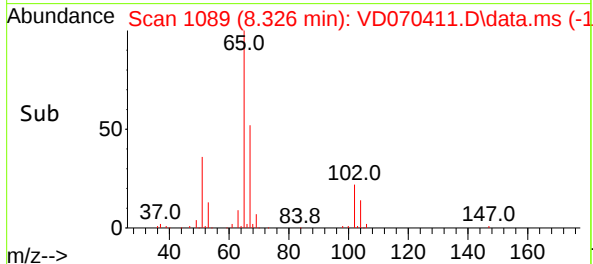
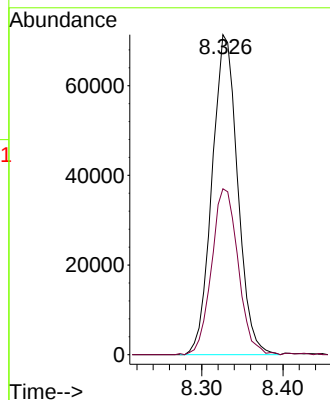
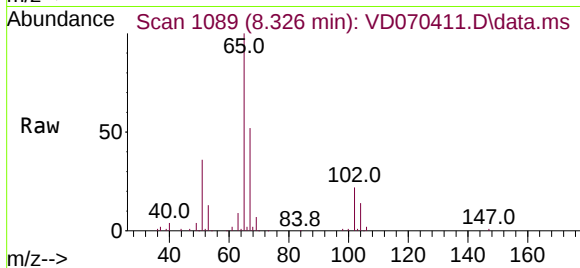


#33

1,2-Dichloroethane-d4
Concen: 51.723 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070411.D
Acq: 21 Sep 2021 18:28

Instrument :
MSVOA_D
ClientSampleId :

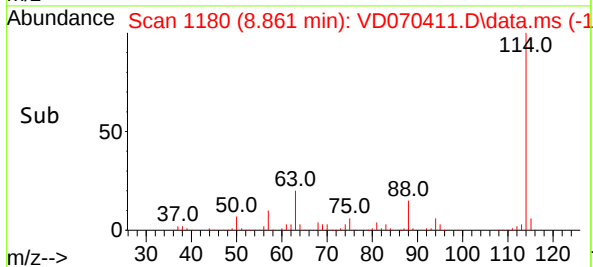
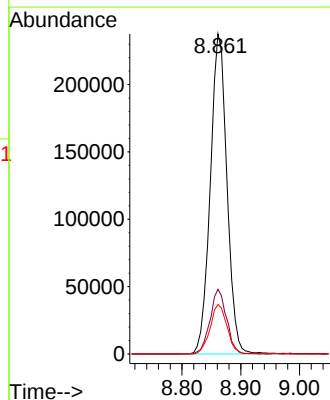
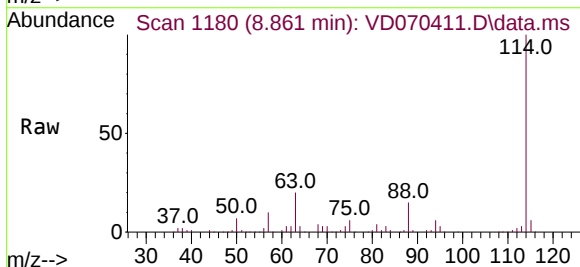
Tgt Ion: 65 Resp: 156521
Ion Ratio Lower Upper
65 100
67 53.7 0.0 111.4

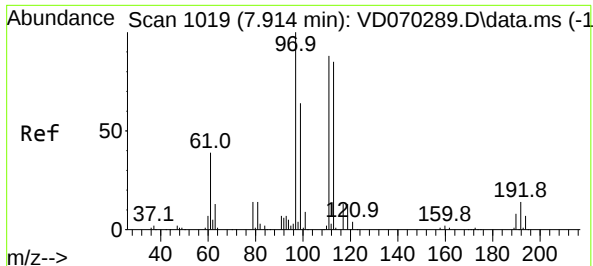


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070411.D
Acq: 21 Sep 2021 18:28

Tgt Ion:114 Resp: 467558
Ion Ratio Lower Upper
114 100
63 20.2 0.0 43.4
88 15.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 47.317 ug/l

RT: 7.914 min Scan# 1019

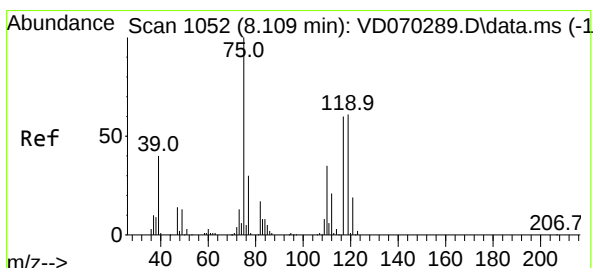
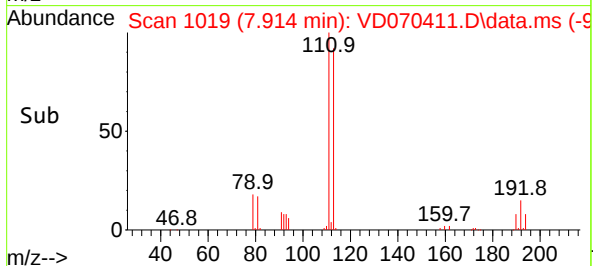
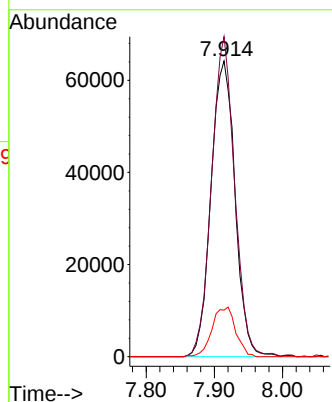
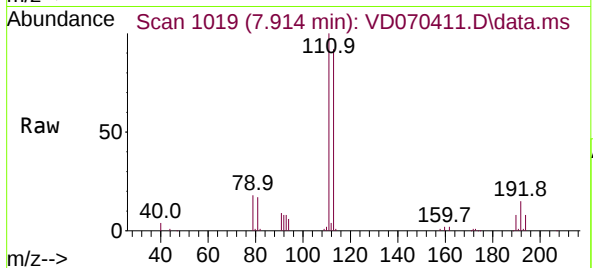
Delta R.T. -0.000 min

Lab File: VD070411.D

Acq: 21 Sep 2021 18:28

Tgt Ion:	113	Resp:	157477
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.4	122.2
192	16.5	13.0	19.6

Instrument :
MSVOA_D
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.468 ug/l

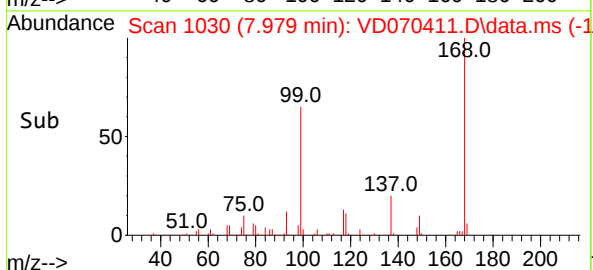
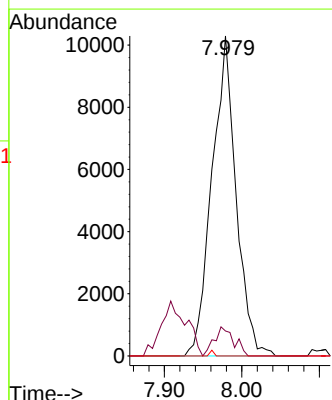
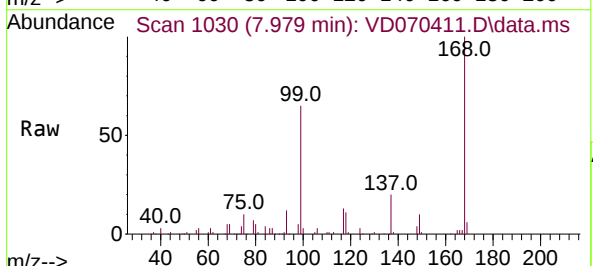
RT: 7.979 min Scan# 1030

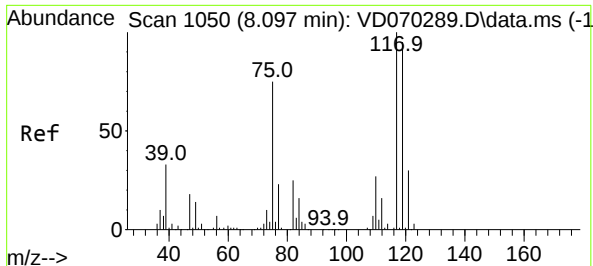
Delta R.T. -0.130 min

Lab File: VD070411.D

Acq: 21 Sep 2021 18:28

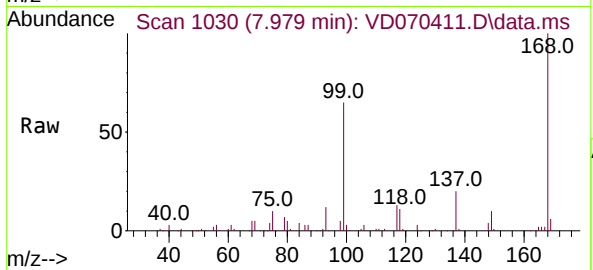
Tgt Ion:	75	Resp:	22327
Ion	Ratio	Lower	Upper
75	100		
110	7.4	17.9	53.7#
77	0.3	25.3	37.9#



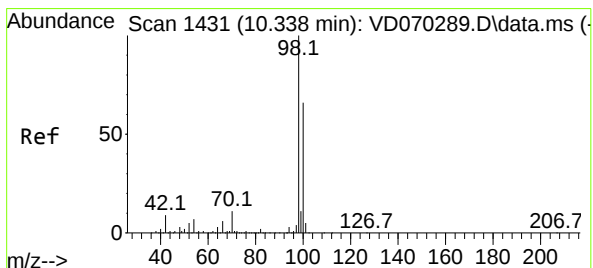
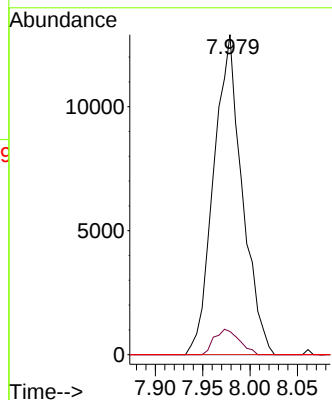
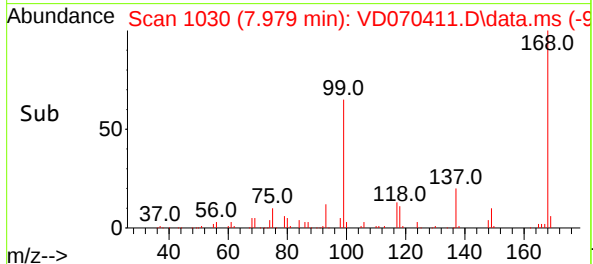


#38
Carbon Tetrachloride
Concen: 5.480 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070411.D
Acq: 21 Sep 2021 18:28

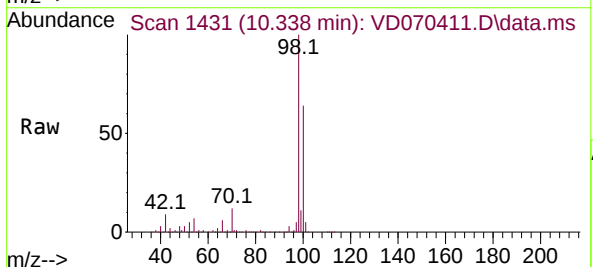
Instrument :
MSVOA_D
ClientSampleId :



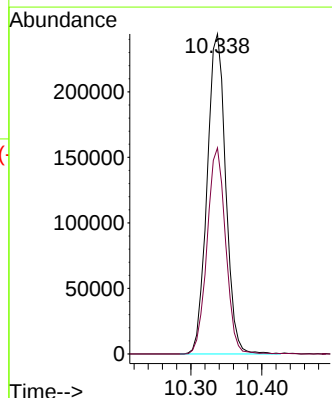
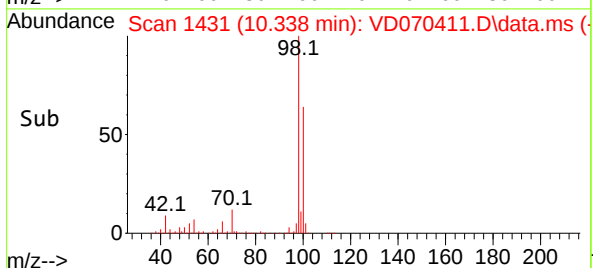
Tgt Ion:117 Resp: 27087
Ion Ratio Lower Upper
117 100
119 7.3 76.1 114.1#
121 0.0 23.8 35.6#

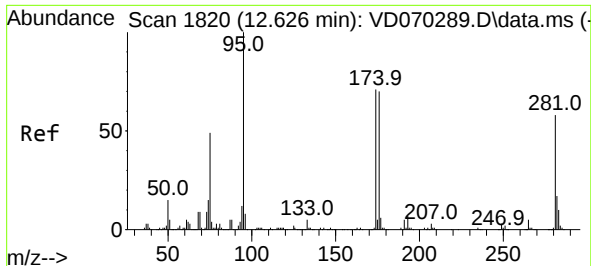


#50
Toluene-d8
Concen: 36.782 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070411.D
Acq: 21 Sep 2021 18:28



Tgt Ion: 98 Resp: 444466
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0

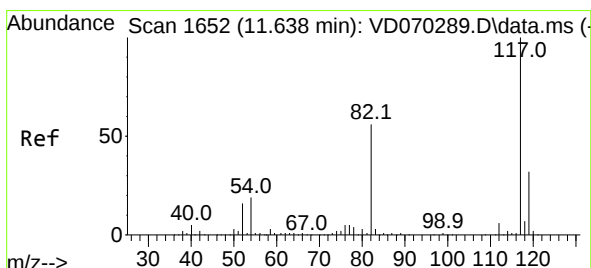
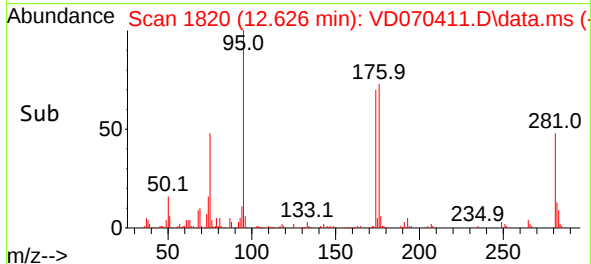
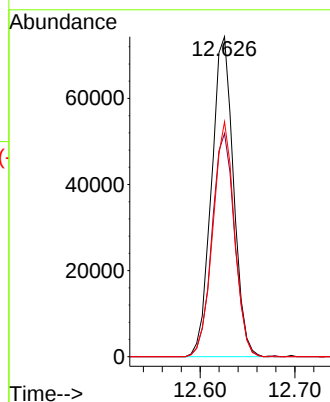
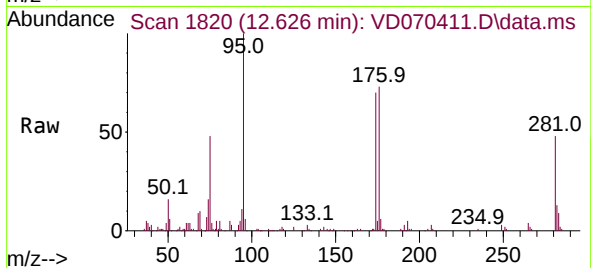




#62
4-Bromofluorobenzene
Concen: 28.384 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070411.D
Acq: 21 Sep 2021 18:28

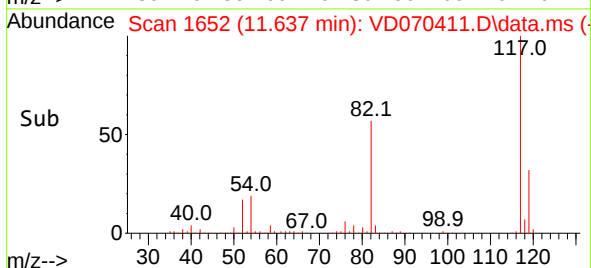
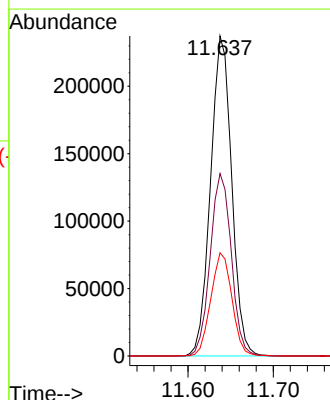
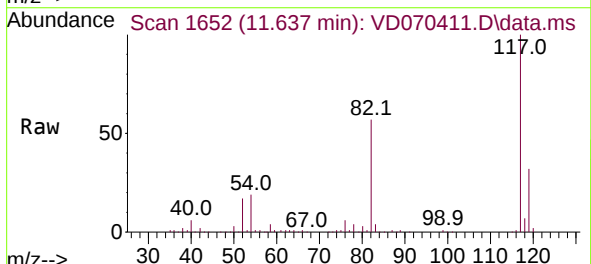
Instrument :
MSVOA_D
ClientSampleId :

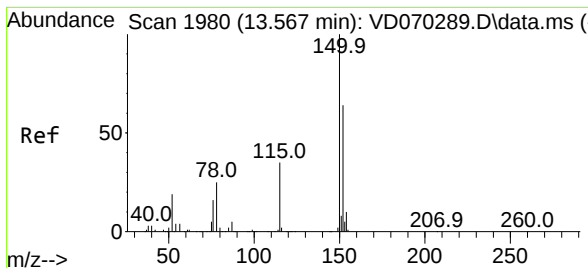
Tgt Ion: 95 Resp: 119868
Ion Ratio Lower Upper
95 100
174 71.7 0.0 140.6
176 72.1 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070411.D
Acq: 21 Sep 2021 18:28

Tgt Ion: 117 Resp: 408721
Ion Ratio Lower Upper
117 100
82 57.0 45.0 67.4
119 32.2 25.2 37.8

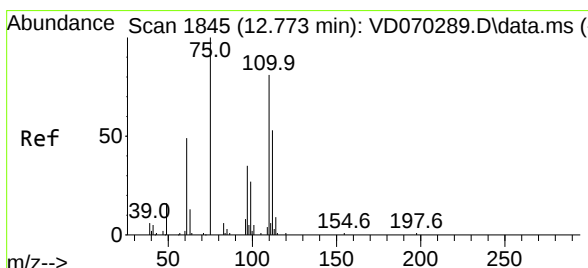
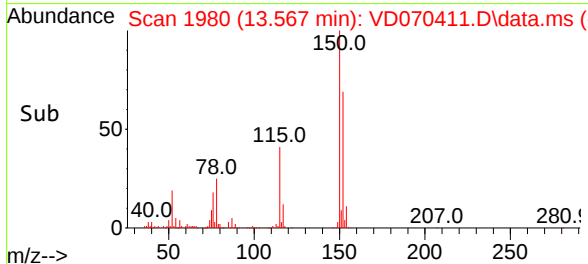
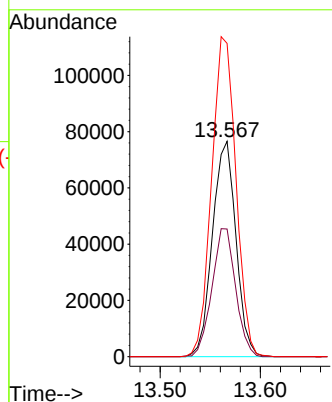
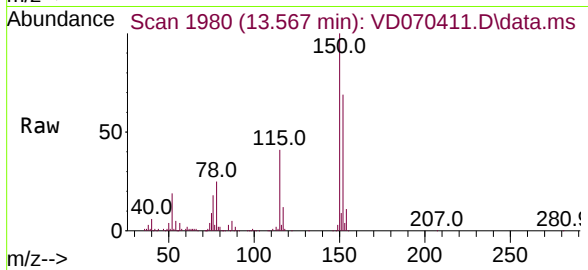




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070411.D
 Acq: 21 Sep 2021 18:28

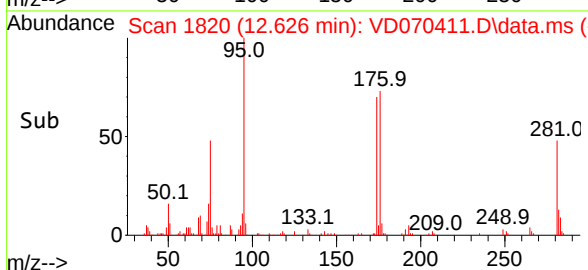
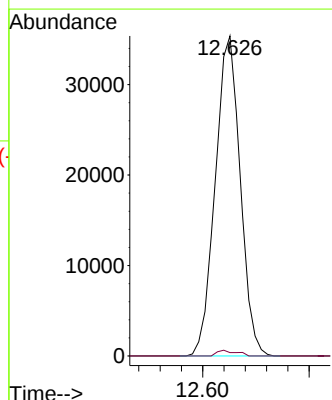
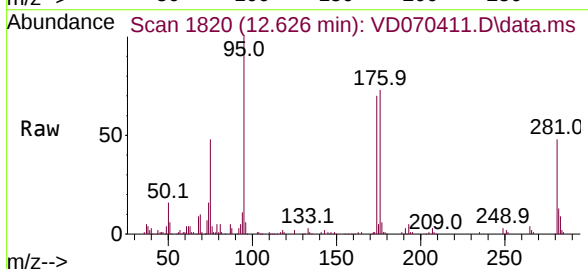
Instrument :
 MSVOA_D
 ClientSampled :

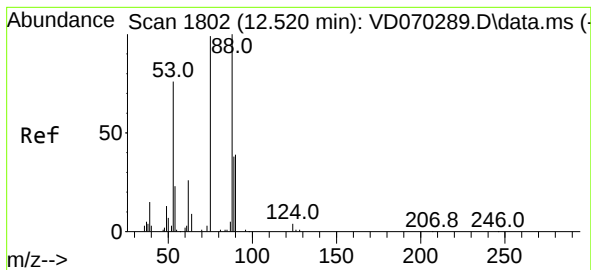
Tgt Ion:152 Resp: 124801
 Ion Ratio Lower Upper
 152 100
 115 59.9 32.1 96.3
 150 153.6 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 45.541 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070411.D
 Acq: 21 Sep 2021 18:28

Tgt Ion: 75 Resp: 57490
 Ion Ratio Lower Upper
 75 100
 77 1.4 174.9 524.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.107 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070411.D
 Acq: 21 Sep 2021 18:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.3	64.2	96.2#
89	0.5	35.6	53.4#

