

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040821\
 Data File : VD068790.D
 Acq On : 08 Apr 2021 15:40
 Operator : VA/SY
 Sample : M1979-17
 Misc : 4.90G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

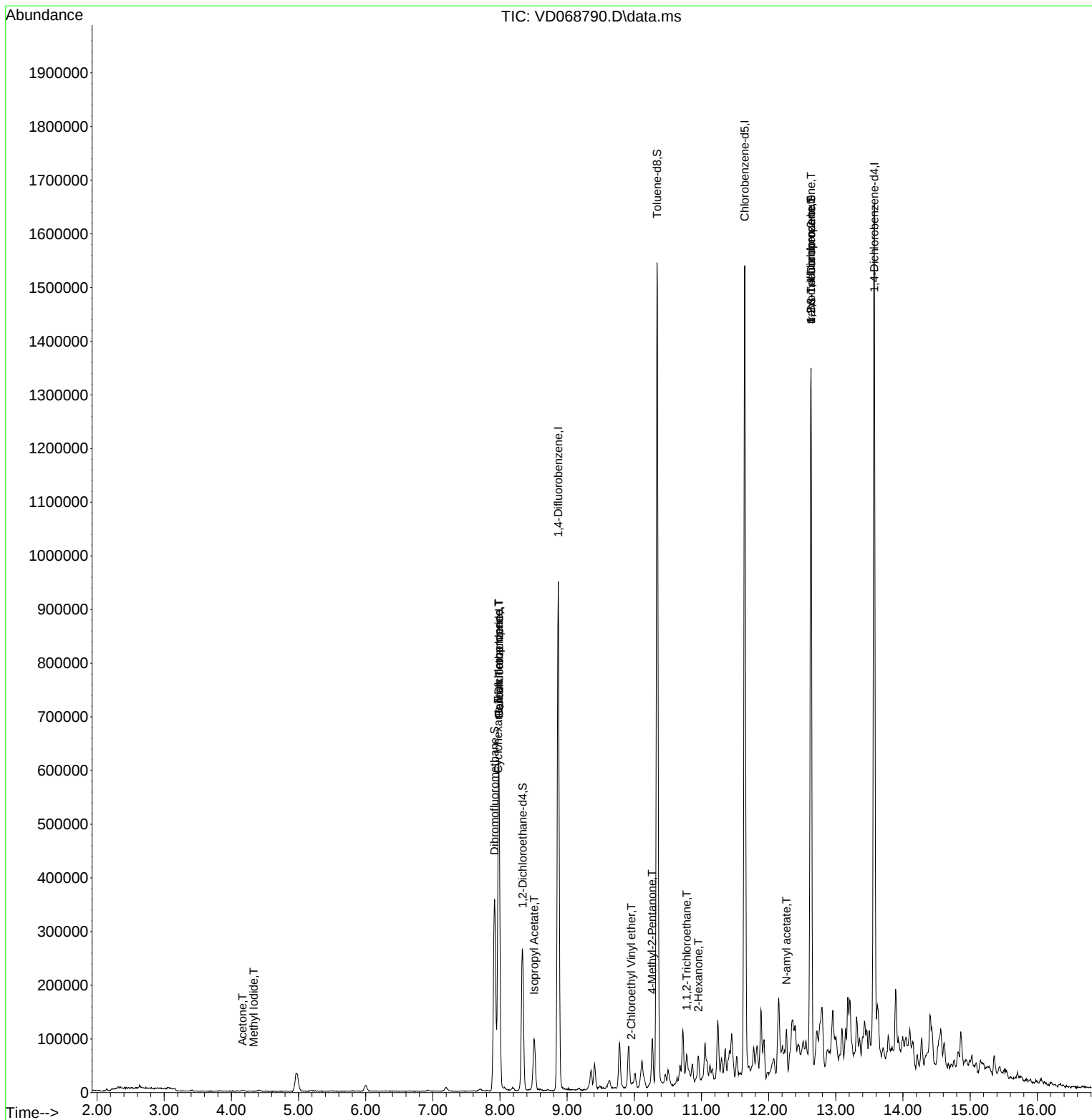
Quant Time: Apr 09 01:03:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

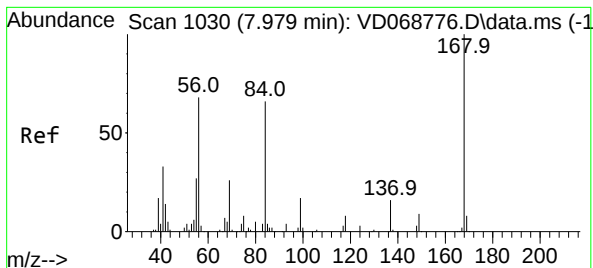
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.985	168	473997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	855007	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	901033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	445735	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	218088	43.54	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.08%
35) Dibromofluoromethane	7.920	113	260758	46.89	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.78%
50) Toluene-d8	10.338	98	1091251	52.02	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.04%
62) 4-Bromofluorobenzene	12.632	95	420860	60.40	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	120.80%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.332	142	58	2.26	ug/l #	41
11) Tert butyl alcohol	5.220	59	304	Below Cal	#	73
16) Acetone	4.167	43	3488	5.03	ug/l #	81
31) Cyclohexane	7.973	56	10431	1.25	ug/l #	43
36) 1,1-Dichloropropene	7.979	75	35420	4.09	ug/l #	49
38) Carbon Tetrachloride	7.985	117	49033	5.72	ug/l #	17
43) Isopropyl Acetate	8.508	43	17072	3.29	ug/l #	45
51) 4-Methyl-2-Pentanone	10.267	43	9829	3.76	ug/l #	71
55) 1,1,2-Trichloroethane	10.779	97	15734	3.30	ug/l #	33
58) 2-Chloroethyl Vinyl ether	9.955	63	68	17.01	ug/l #	44
59) 2-Hexanone	10.955	43	15359	8.79	ug/l #	25
74) N-amyl acetate	12.267	43	15868	2.88	ug/l #	59
76) 1,2,3-Trichloropropane	12.632	75	208062	51.09	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	208062	118.58	ug/l #	16

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

Quant Time: Apr 09 01:03:07 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 08 03:50:31 2021
Response via : Initial Calibration

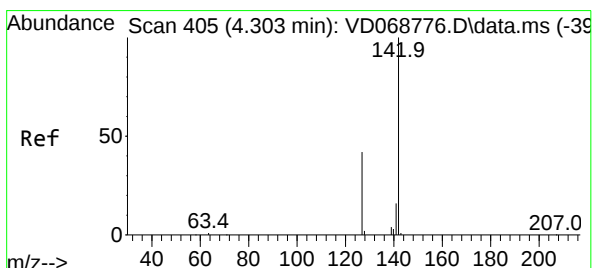
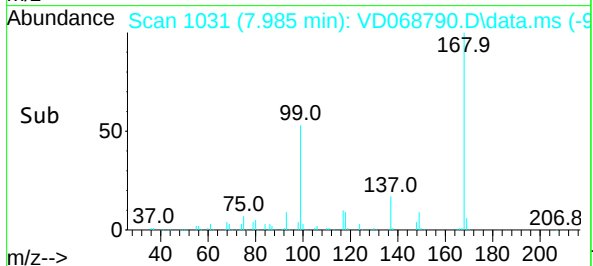
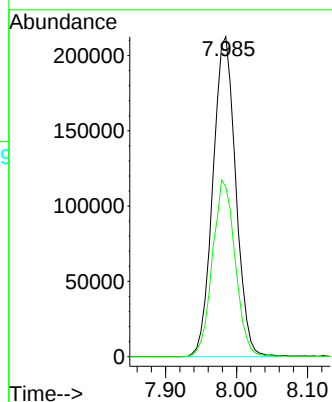
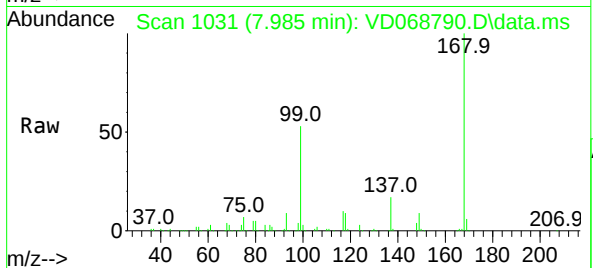




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068790.D
Acq: 08 Apr 2021 15:40

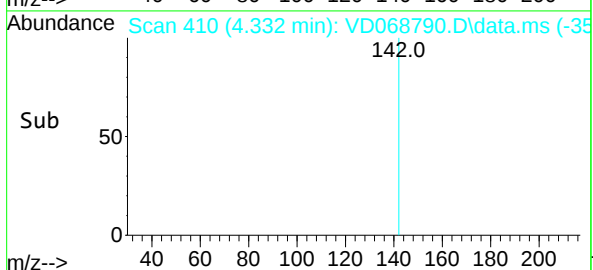
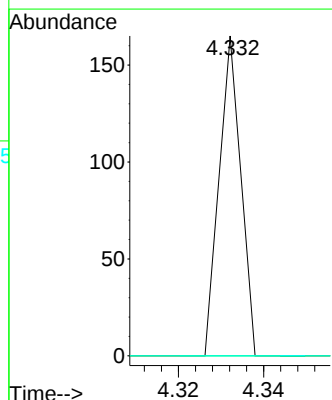
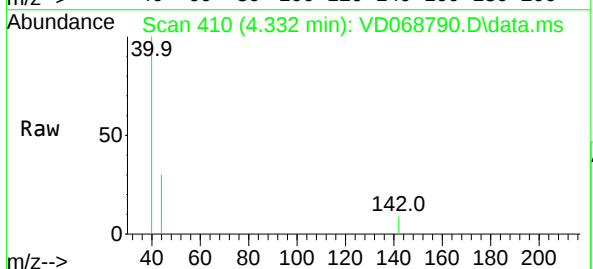
Instrument :
MSVOA_D
ClientSampled :

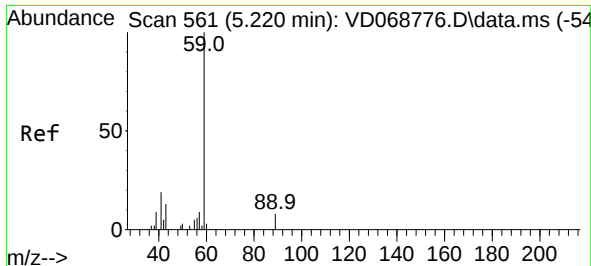
Tgt Ion:168 Resp: 473997
Ion Ratio Lower Upper
168 100
99 53.0 46.2 69.2



#10
Methyl Iodide
Concen: 2.26 ug/l
RT: 4.332 min Scan# 410
Delta R.T. 0.029 min
Lab File: VD068790.D
Acq: 08 Apr 2021 15:40

Tgt Ion:142 Resp: 58
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.0 16.4#

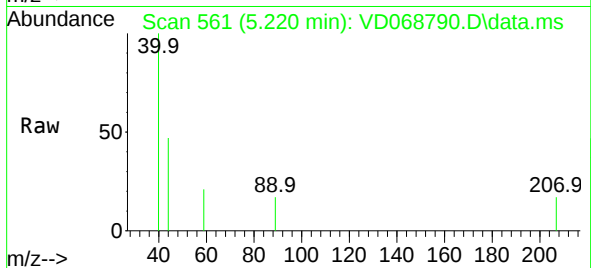




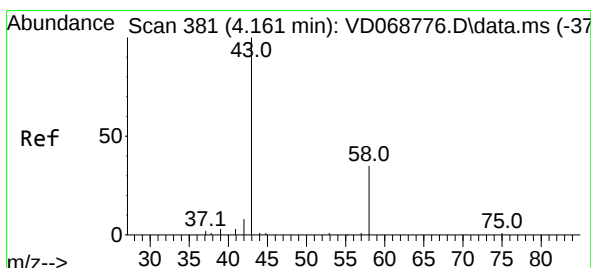
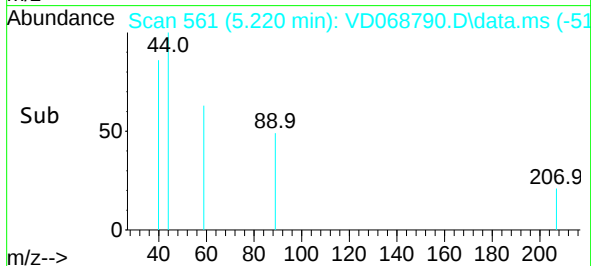
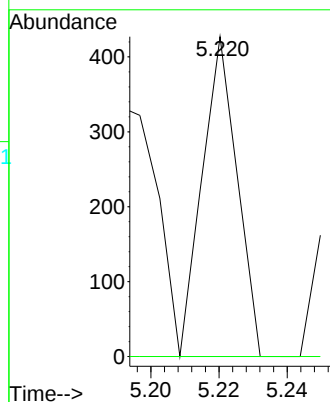
#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD068790.D
Acq: 08 Apr 2021 15:40

Instrument :
MSVOA_D
ClientSampled :



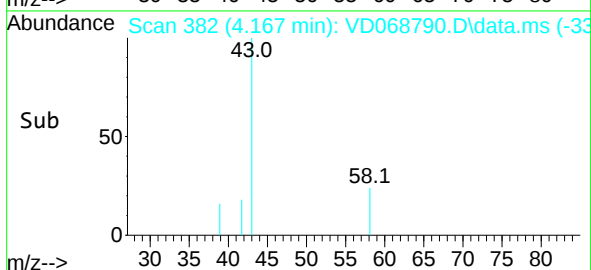
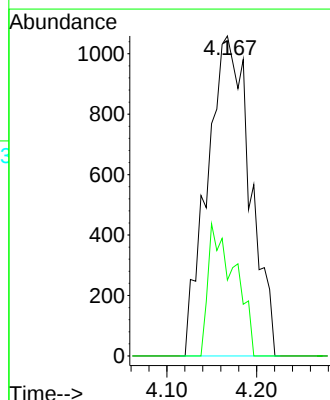
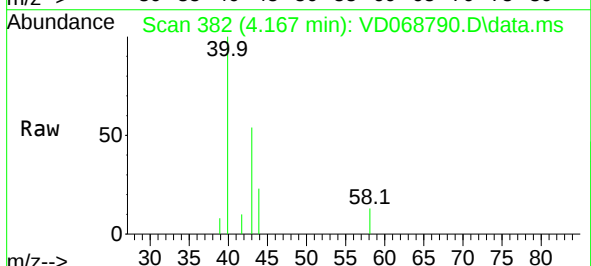
Tgt Ion: 59 Resp: 304
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

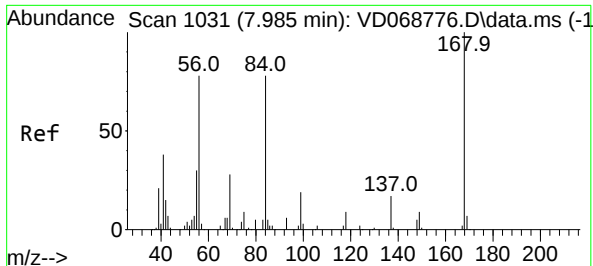


#16

Acetone
Concen: 5.03 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD068790.D
Acq: 08 Apr 2021 15:40

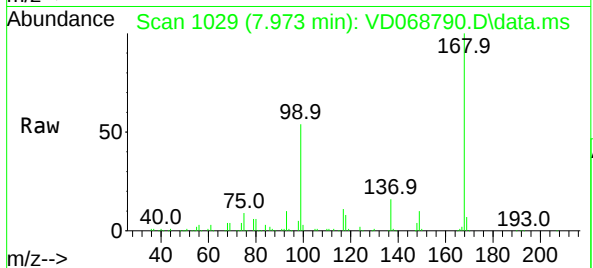
Tgt Ion: 43 Resp: 3488
Ion Ratio Lower Upper
43 100
58 23.7 28.0 42.0#



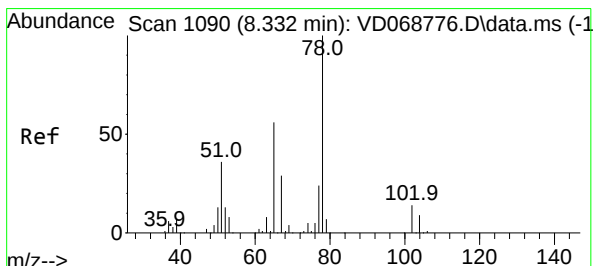
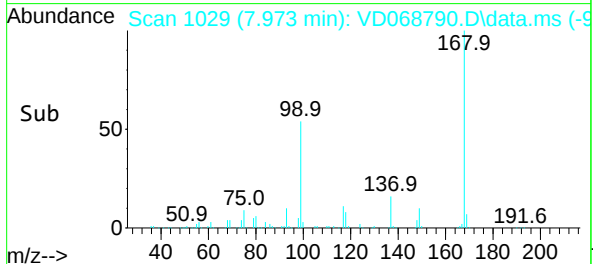
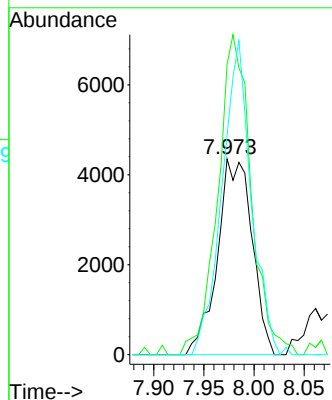


#31
Cyclohexane
Concen: 1.25 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD068790.D
Acq: 08 Apr 2021 15:40

Instrument :
MSVOA_D
ClientSampleId :

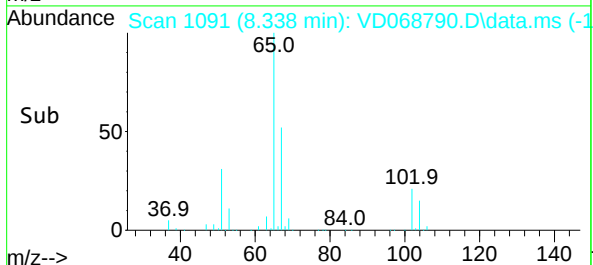
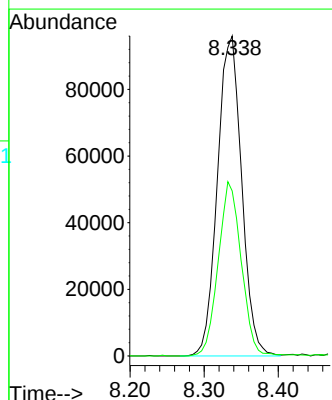
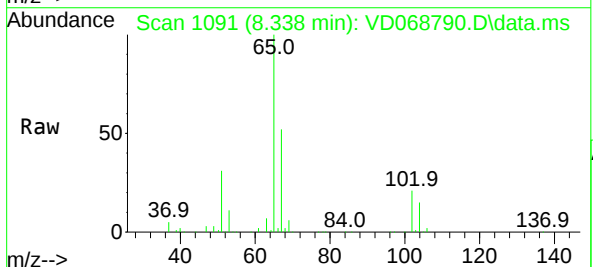


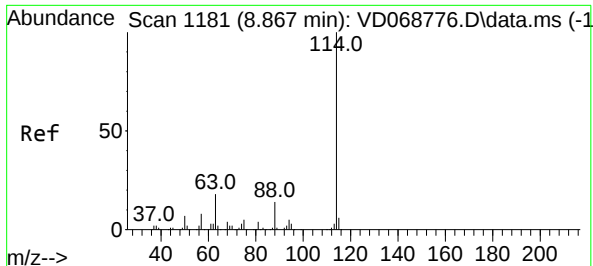
Tgt Ion: 56 Resp: 10431
Ion Ratio Lower Upper
56 100
69 148.6 30.0 45.0#
84 112.2 82.0 123.0



#33
1,2-Dichloroethane-d4
Concen: 43.54 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VD068790.D
Acq: 08 Apr 2021 15:40

Tgt Ion: 65 Resp: 218088
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VD068790.D

Acq: 08 Apr 2021 15:40

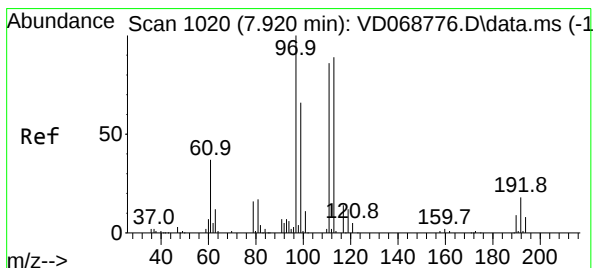
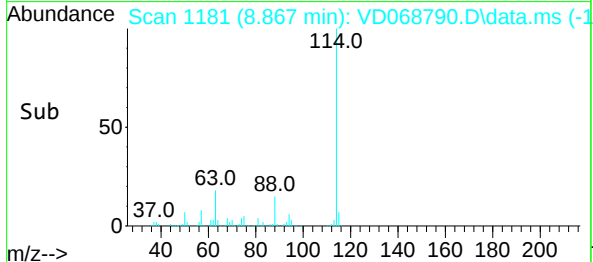
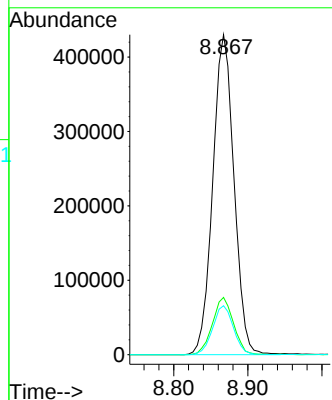
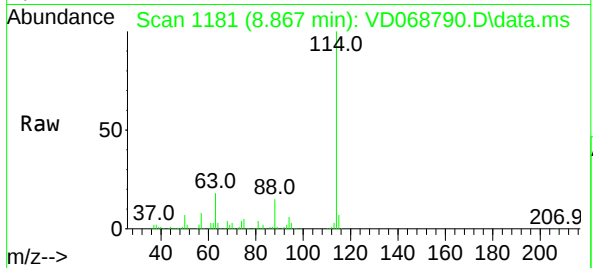
Tgt Ion:114 Resp: 855007

Ion Ratio Lower Upper

114 100

63 17.9 0.0 38.2

88 15.3 0.0 29.4



#35

Dibromofluoromethane

Concen: 46.89 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068790.D

Acq: 08 Apr 2021 15:40

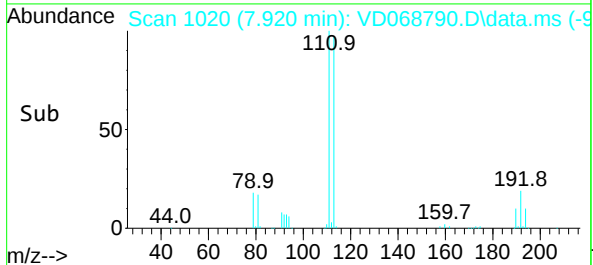
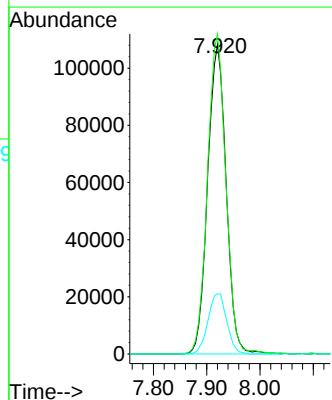
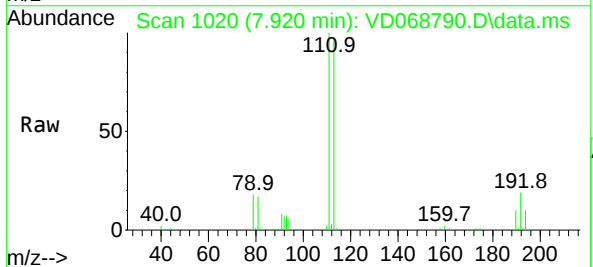
Tgt Ion:113 Resp: 260758

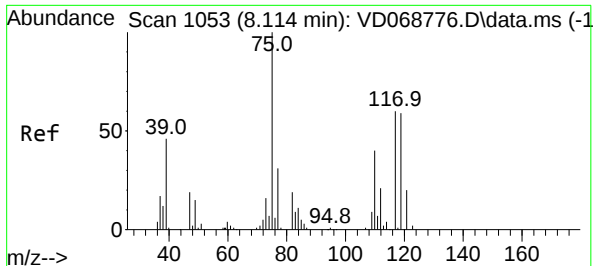
Ion Ratio Lower Upper

113 100

111 102.9 82.5 123.7

192 19.7 15.1 22.7

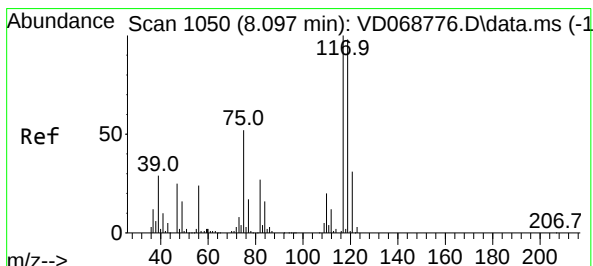
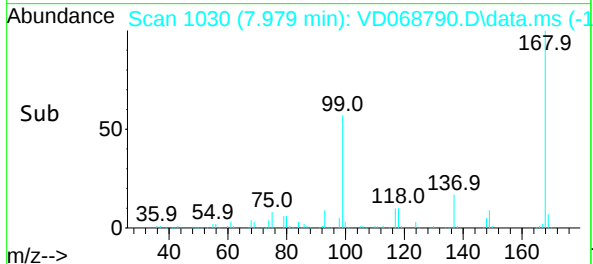
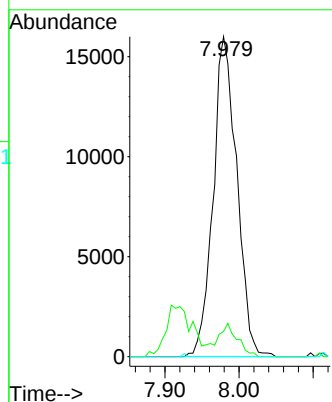
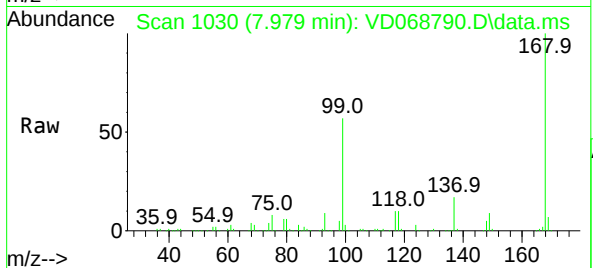




#36
1,1-Dichloropropene
Concen: 4.09 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068790.D
Acq: 08 Apr 2021 15:40

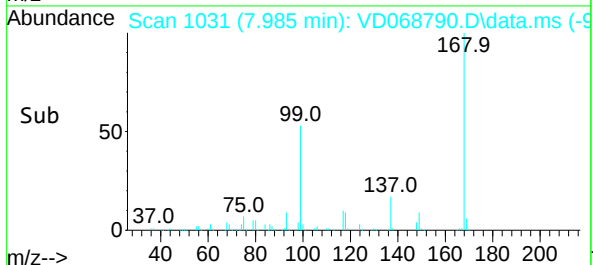
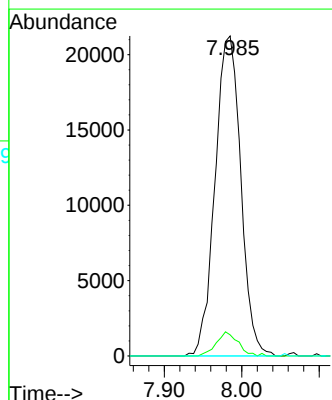
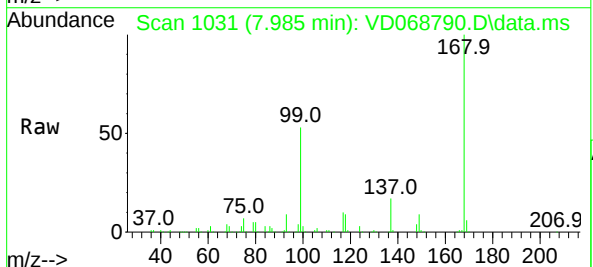
Instrument :
MSVOA_D
ClientSampled :

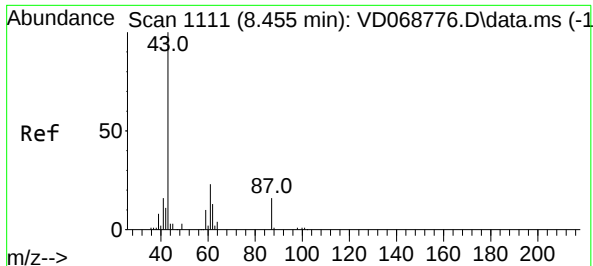
Tgt Ion: 75 Resp: 35420
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.4#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.72 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD068790.D
Acq: 08 Apr 2021 15:40

Tgt Ion: 117 Resp: 49033
Ion Ratio Lower Upper
117 100
119 6.6 76.6 115.0#
121 0.0 26.1 39.1#

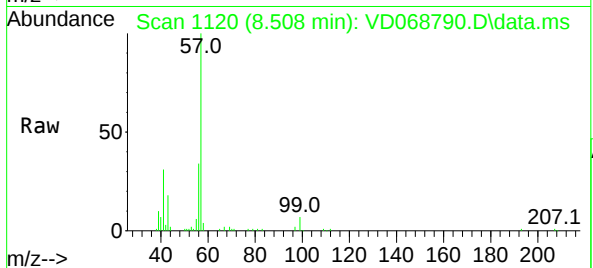




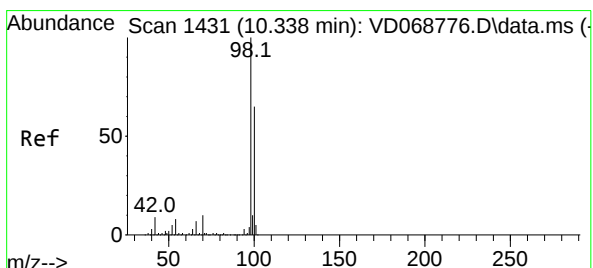
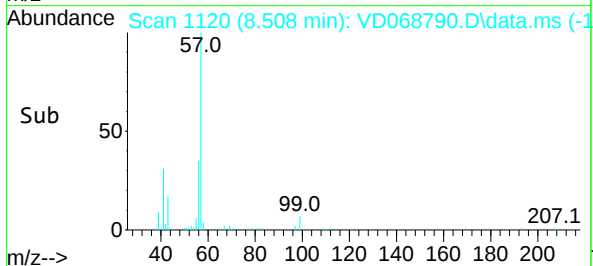
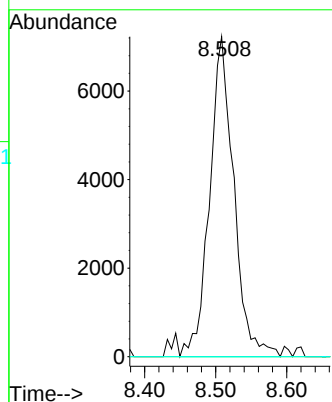
#43

Isopropyl Acetate
 Concen: 3.29 ug/l
 RT: 8.508 min Scan# 1120
 Delta R.T. 0.053 min
 Lab File: VD068790.D
 Acq: 08 Apr 2021 15:40

Instrument :
 MSVOA_D
 ClientSampled :



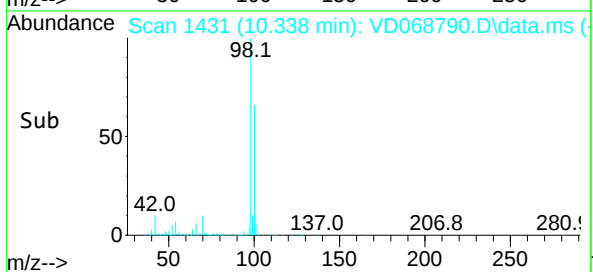
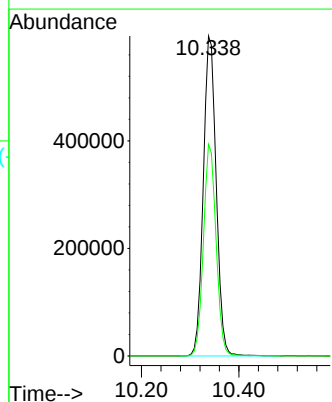
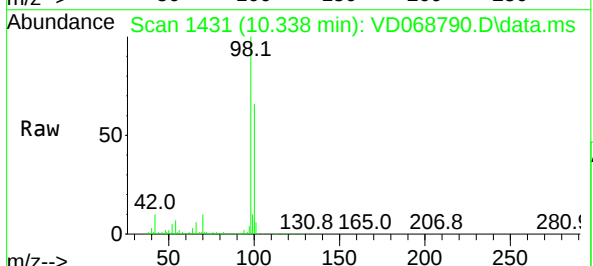
Tgt Ion: 43 Resp: 17072
 Ion Ratio Lower Upper
 43 100
 61 0.0 29.5 44.3#
 87 0.0 13.5 20.3#

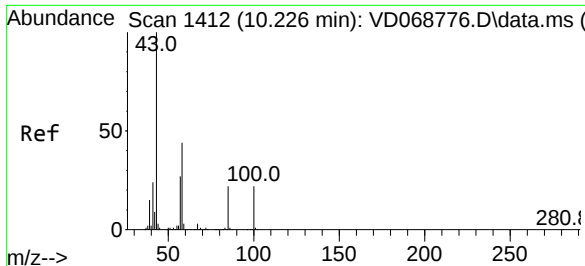


#50

Toluene-d8
 Concen: 52.02 ug/l
 RT: 10.338 min Scan# 1431
 Delta R.T. -0.000 min
 Lab File: VD068790.D
 Acq: 08 Apr 2021 15:40

Tgt Ion: 98 Resp: 1091251
 Ion Ratio Lower Upper
 98 100
 100 65.0 51.8 77.6

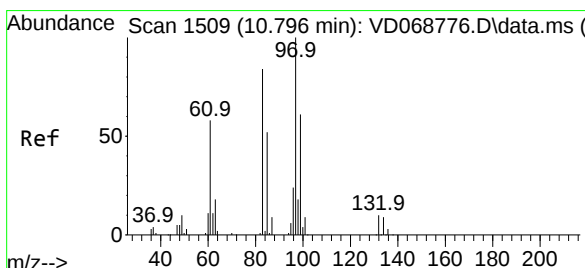
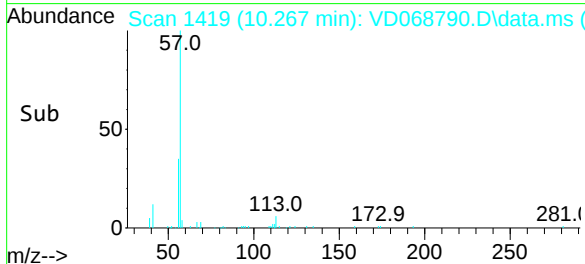
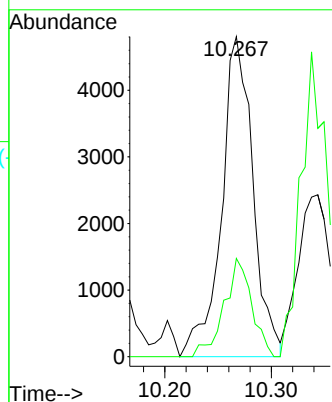
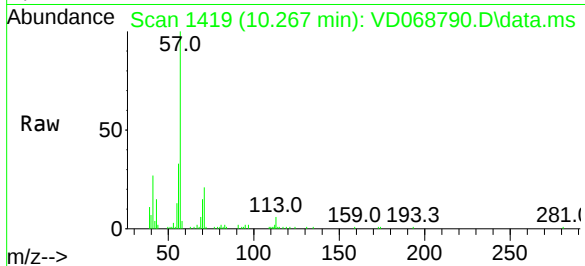




#51
4-Methyl-2-Pentanone
Concen: 3.76 ug/l
RT: 10.267 min Scan# 1419
Delta R.T. 0.041 min
Lab File: VD068790.D
Acq: 08 Apr 2021 15:40

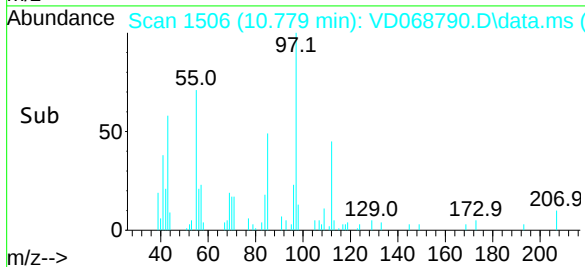
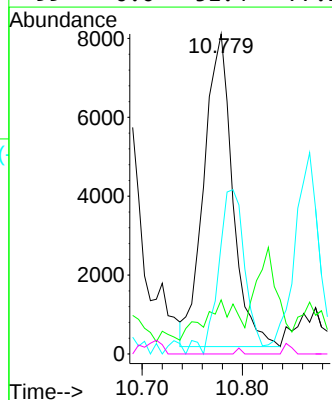
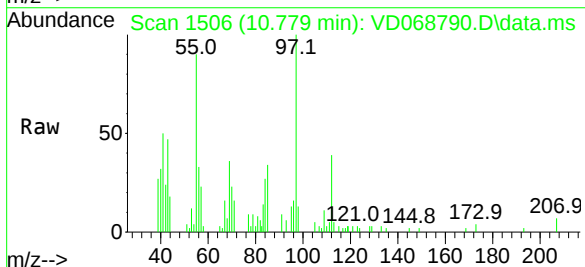
Instrument :
MSVOA_D
ClientSampled :

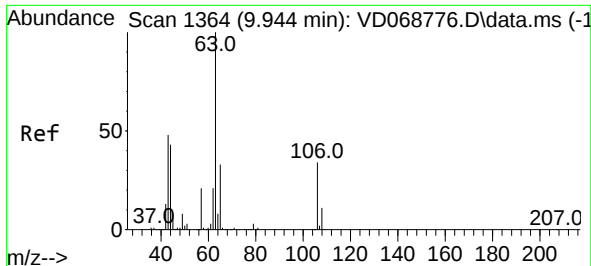
Tgt Ion: 43 Resp: 9829
Ion Ratio Lower Upper
43 100
58 27.0 37.3 55.9#



#55
1,1,2-Trichloroethane
Concen: 3.30 ug/l
RT: 10.779 min Scan# 1506
Delta R.T. -0.017 min
Lab File: VD068790.D
Acq: 08 Apr 2021 15:40

Tgt Ion: 97 Resp: 15734
Ion Ratio Lower Upper
97 100
83 12.9 65.7 98.5#
85 31.8 44.3 66.5#
99 0.0 51.4 77.2#

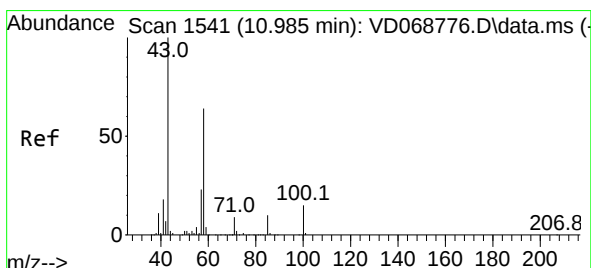
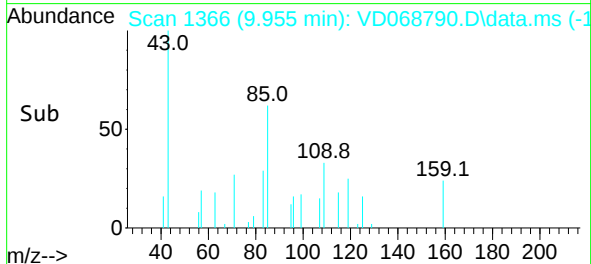
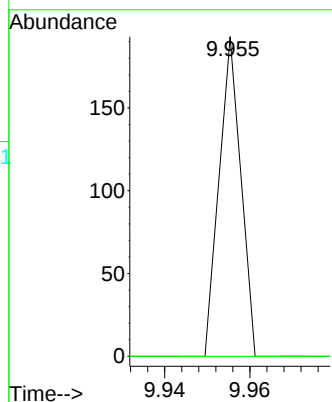
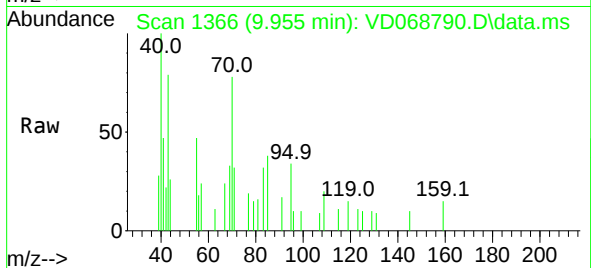




#58
2-Chloroethyl Vinyl ether
Concen: 17.01 ug/l
RT: 9.955 min Scan# 1366
Delta R.T. 0.011 min
Lab File: VD068790.D
Acq: 08 Apr 2021 15:40

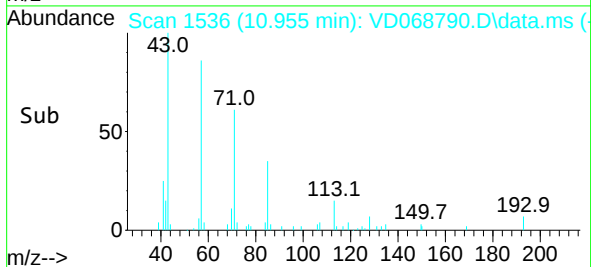
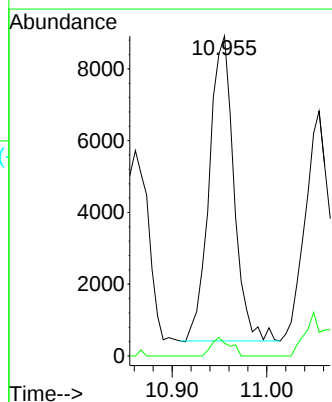
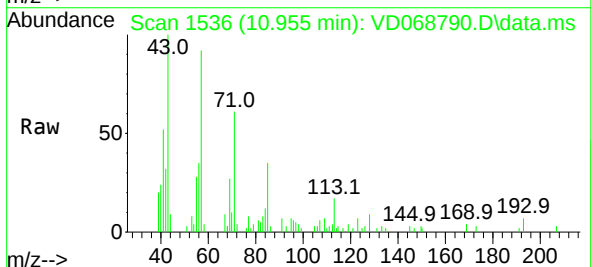
Instrument :
MSVOA_D
ClientSampled :

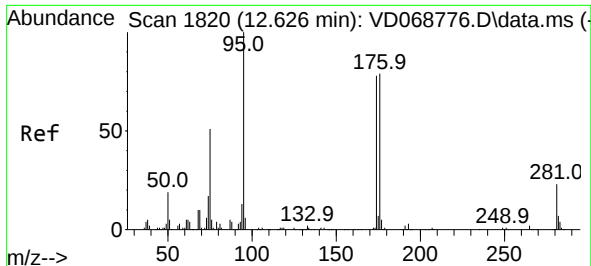
Tgt Ion: 63 Resp: 68
Ion Ratio Lower Upper
63 100
106 0.0 24.6 36.8#



#59
2-Hexanone
Concen: 8.79 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.030 min
Lab File: VD068790.D
Acq: 08 Apr 2021 15:40

Tgt Ion: 43 Resp: 15359
Ion Ratio Lower Upper
43 100
58 4.6 31.3 93.8#

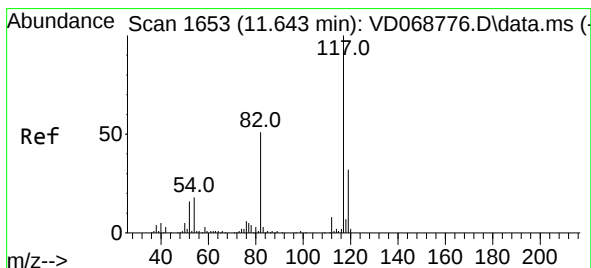
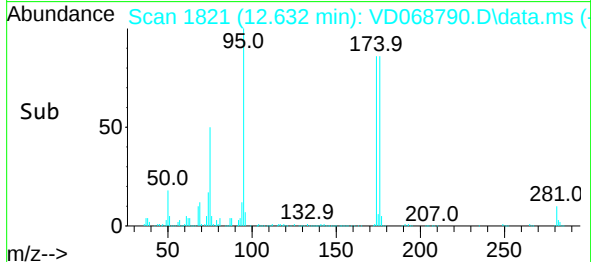
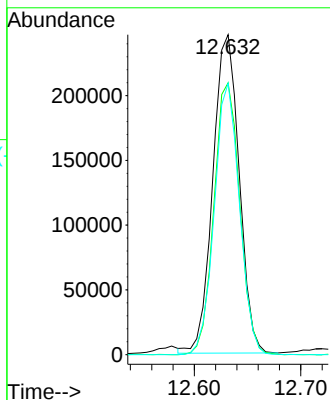
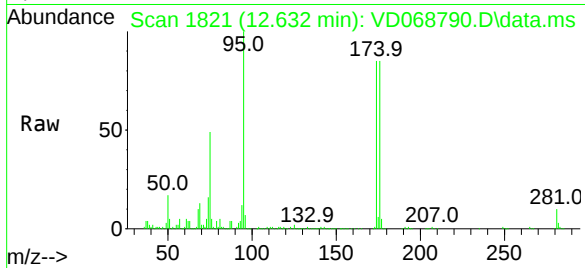




#62
4-Bromofluorobenzene
Concen: 60.40 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068790.D
Acq: 08 Apr 2021 15:40

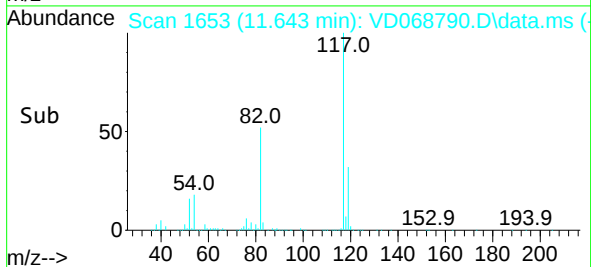
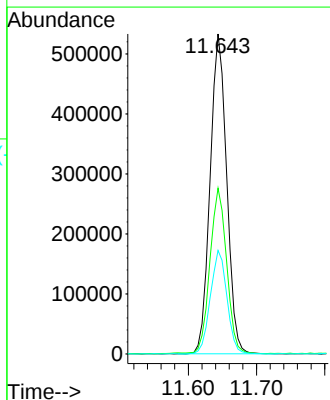
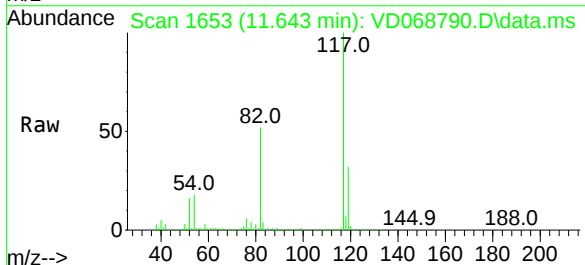
Instrument :
MSVOA_D
ClientSampled :

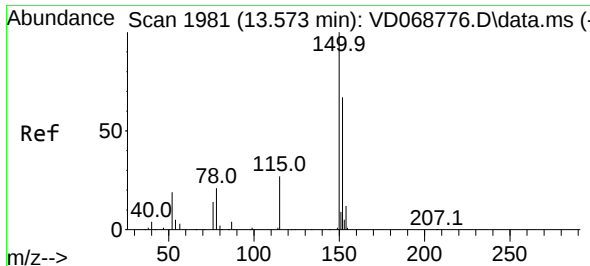
Tgt Ion: 95 Resp: 420860
Ion Ratio Lower Upper
95 100
174 83.9 0.0 168.0
176 81.3 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068790.D
Acq: 08 Apr 2021 15:40

Tgt Ion:117 Resp: 901033
Ion Ratio Lower Upper
117 100
82 51.6 43.5 65.3
119 32.3 26.7 40.1

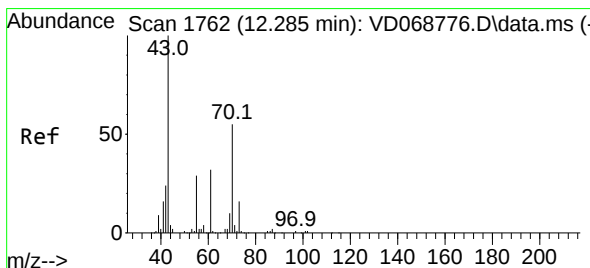
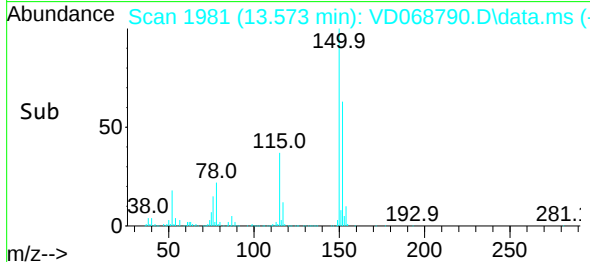
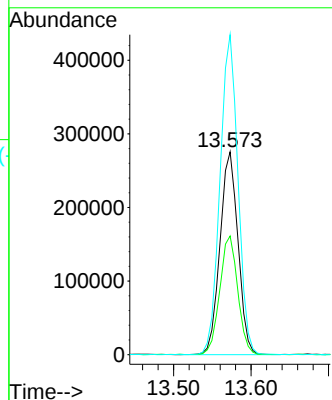
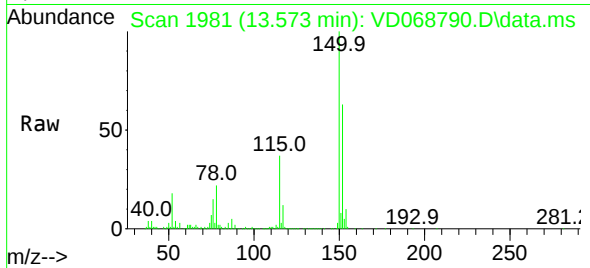




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068790.D
Acq: 08 Apr 2021 15:40

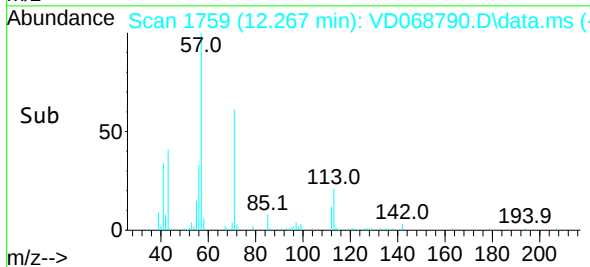
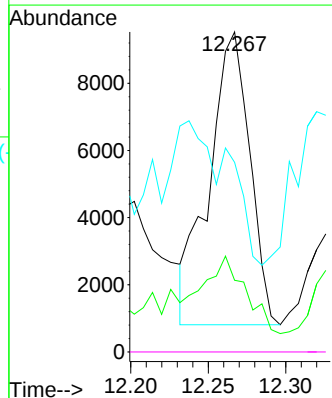
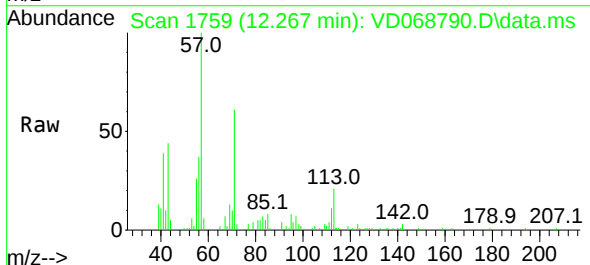
Instrument :
MSVOA_D
ClientSampleId :

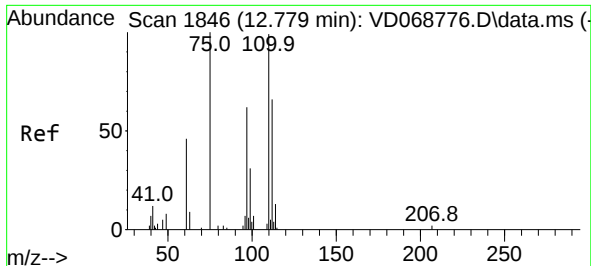
Tgt Ion:152 Resp: 445735
Ion Ratio Lower Upper
152 100
115 58.1 29.3 87.8
150 157.0 0.0 347.6



#74
N-ethyl acetate
Concen: 2.88 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.018 min
Lab File: VD068790.D
Acq: 08 Apr 2021 15:40

Tgt Ion: 43 Resp: 15868
Ion Ratio Lower Upper
43 100
70 33.6 41.9 62.9#
55 0.0 22.8 34.2#
61 0.0 22.7 34.1#

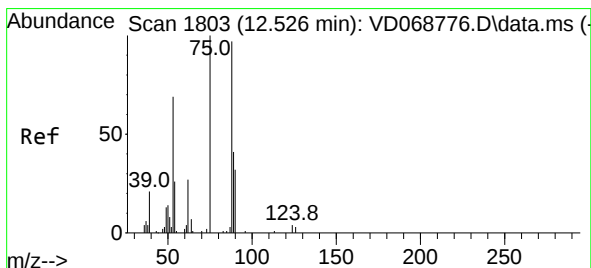
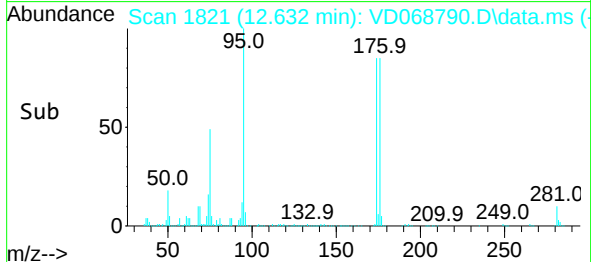
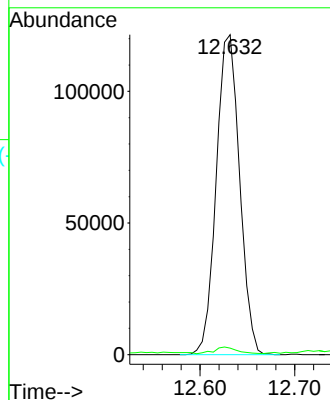
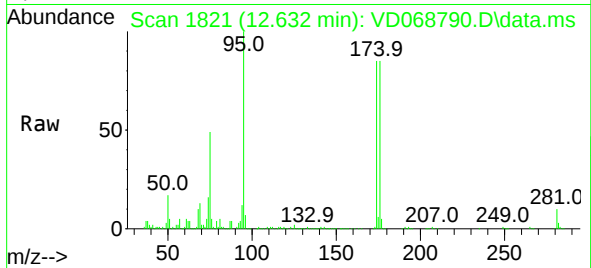




#76
1,2,3-Trichloropropane
Concen: 51.09 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD068790.D
Acq: 08 Apr 2021 15:40

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 208062
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.58 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068790.D
Acq: 08 Apr 2021 15:40

Tgt Ion: 75 Resp: 208062
Ion Ratio Lower Upper
75 100
53 0.5 66.8 100.2#
89 0.2 36.6 54.8#

