

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040821\
 Data File : VD068796.D
 Acq On : 08 Apr 2021 18:28
 Operator : VA/SY
 Sample : M1979-23
 Misc : 5.13G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 09 01:04:29 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)

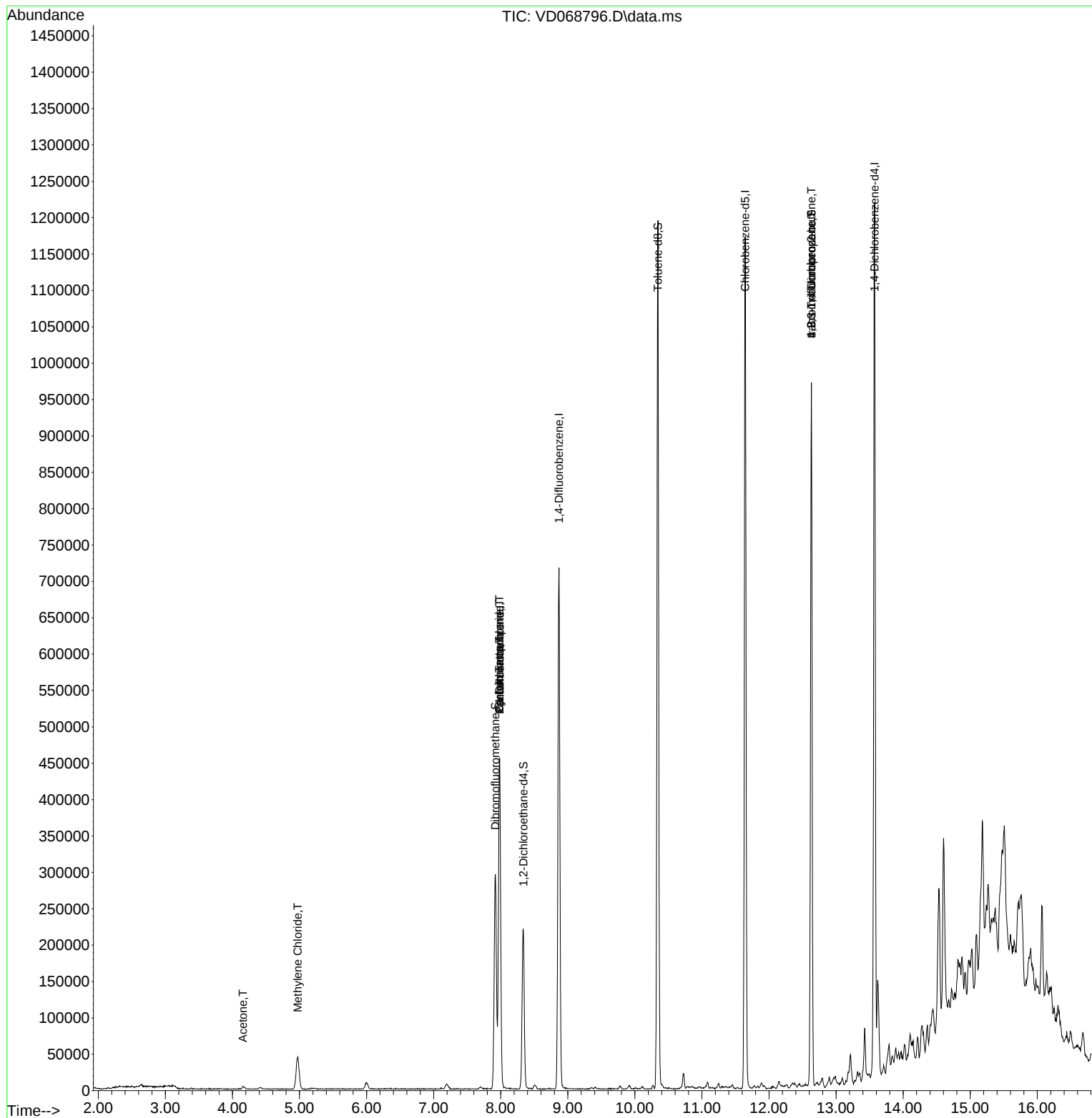
Internal Standards						
1) Pentafluorobenzene	7.985	168	354915	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	663941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	703728	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	336926	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	179525	47.86	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.72%			
35) Dibromofluoromethane	7.920	113	216251	50.08	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.16%			
50) Toluene-d8	10.344	98	836209	51.33	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.66%			
62) 4-Bromofluorobenzene	12.632	95	315150	58.25	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.50%			
Target Compounds						
11) Tert butyl alcohol	5.209	59	483	Below Cal	#	73
16) Acetone	4.156	43	5858	11.28 ug/l	#	79
20) Methylene Chloride	4.973	84	38090	4.69 ug/l		93
31) Cyclohexane	7.979	56	8082	1.29 ug/l	#	11
36) 1,1-Dichloropropene	7.979	75	26852	4.00 ug/l	#	50
38) Carbon Tetrachloride	7.979	117	34391	5.17 ug/l	#	19
76) 1,2,3-Trichloropropane	12.632	75	155161	50.41 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.632	75	155161	116.99 ug/l	#	16

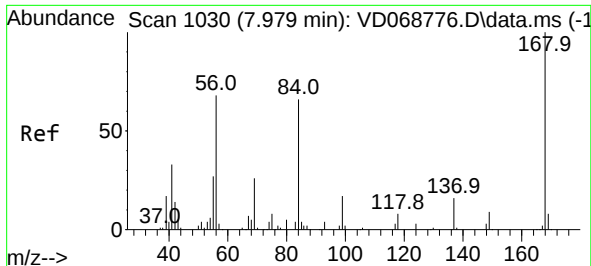
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040821\
Data File : VD068796.D
Acq On : 08 Apr 2021 18:28
Operator : VA/SY
Sample : M1979-23
Misc : 5.13G/5.00ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 09 01:04:29 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

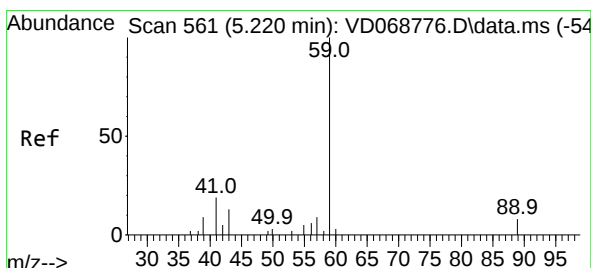
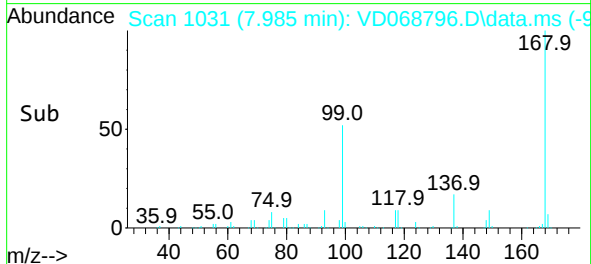
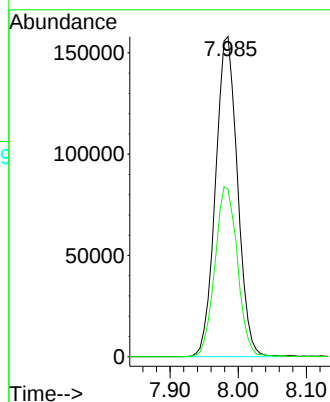
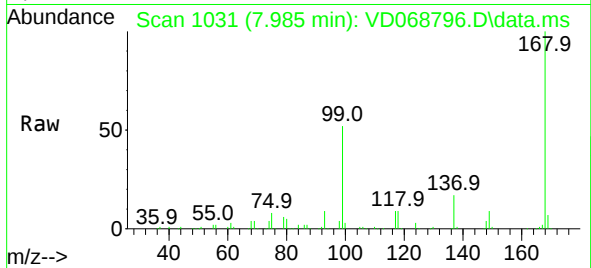




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068796.D
Acq: 08 Apr 2021 18:28

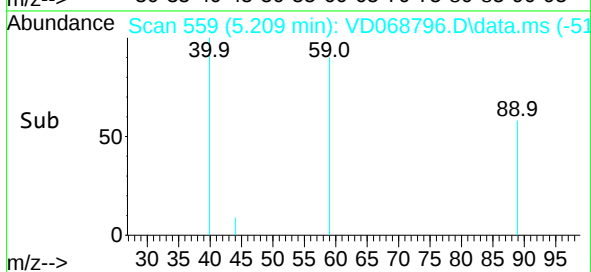
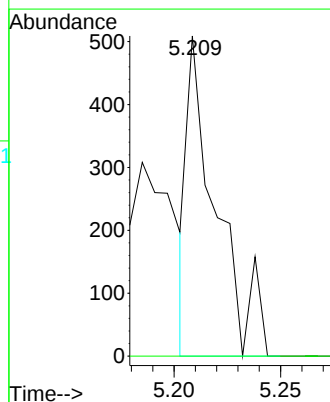
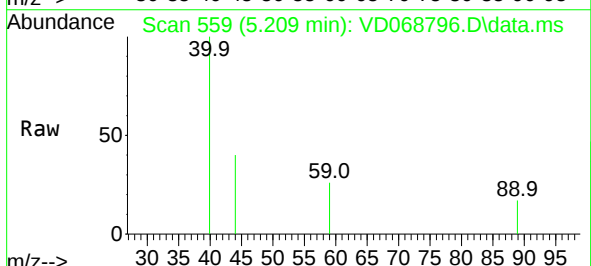
Instrument :
MSVOA_D
ClientSampled :

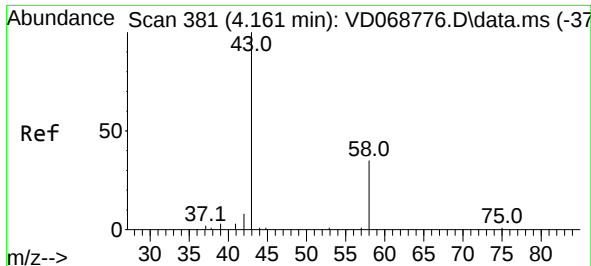
Tgt Ion:168 Resp: 354915
Ion Ratio Lower Upper
168 100
99 52.4 46.2 69.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.011 min
Lab File: VD068796.D
Acq: 08 Apr 2021 18:28

Tgt Ion: 59 Resp: 483
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

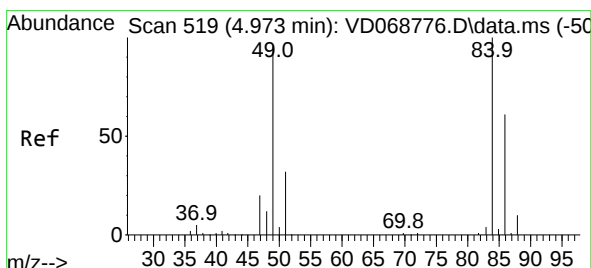
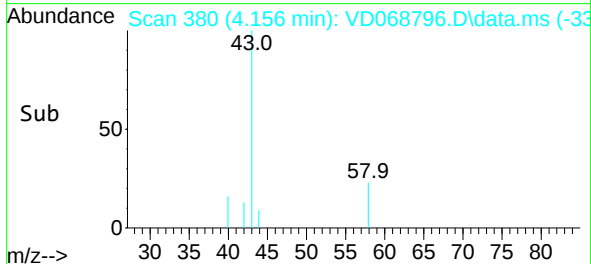
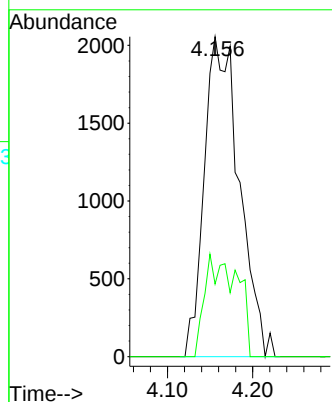
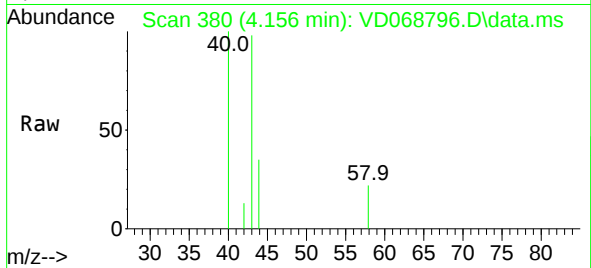




#16
Acetone
Concen: 11.28 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.005 min
Lab File: VD068796.D
Acq: 08 Apr 2021 18:28

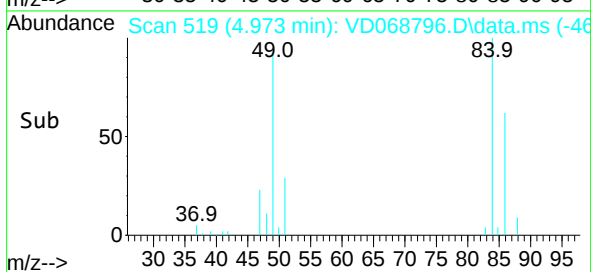
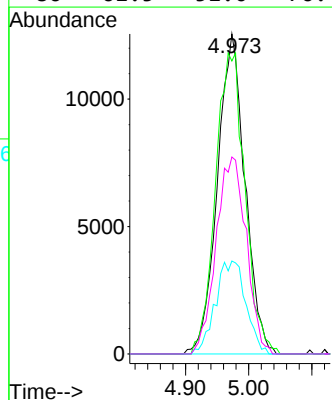
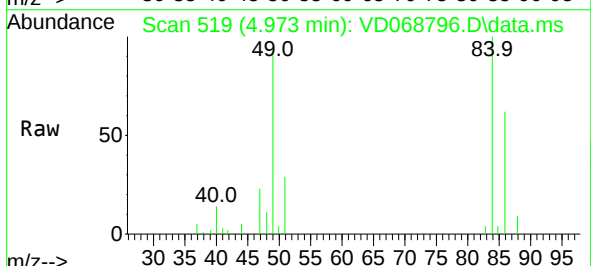
Instrument :
MSVOA_D
ClientSampled :

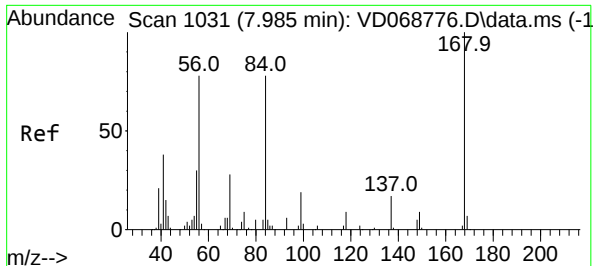
Tgt Ion: 43 Resp: 5858
Ion Ratio Lower Upper
43 100
58 22.7 28.0 42.0#



#20
Methylene Chloride
Concen: 4.69 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068796.D
Acq: 08 Apr 2021 18:28

Tgt Ion: 84 Resp: 38090
Ion Ratio Lower Upper
84 100
49 91.6 83.4 125.0
51 29.0 23.4 35.2
86 61.5 51.0 76.4





#31

Cyclohexane

Concen: 1.29 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD068796.D

Acq: 08 Apr 2021 18:28

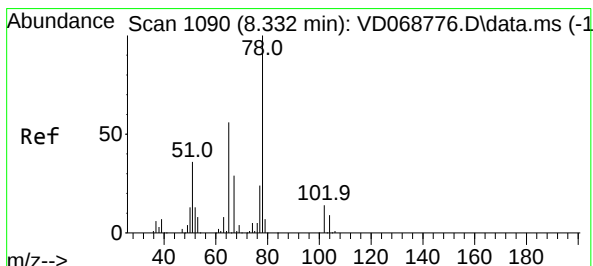
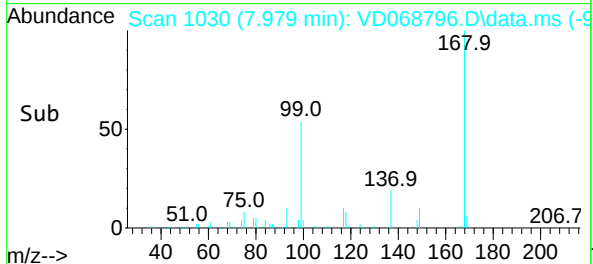
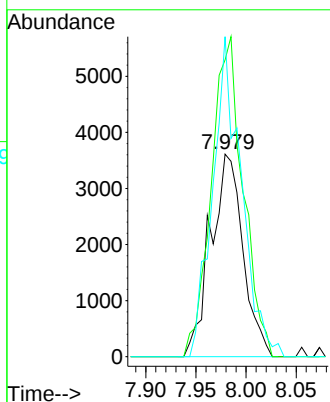
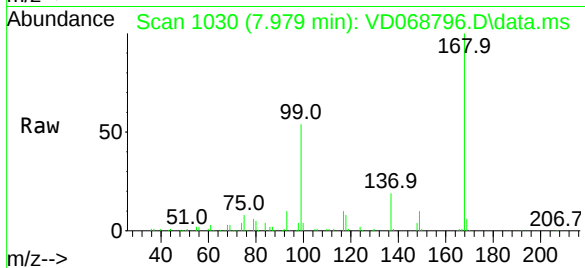
Tgt Ion: 56 Resp: 8082

Ion Ratio Lower Upper

56 100

69 146.5 30.0 45.0#

84 157.9 82.0 123.0#



#33

1,2-Dichloroethane-d4

Concen: 47.86 ug/l

RT: 8.338 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VD068796.D

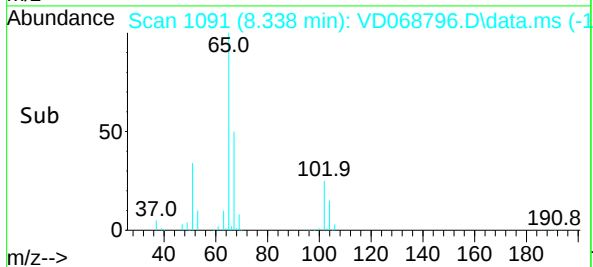
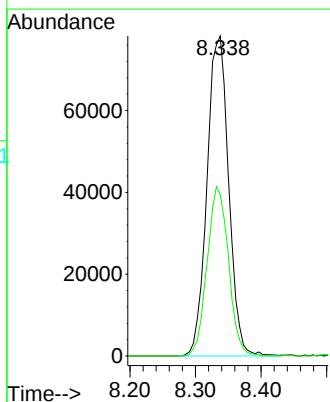
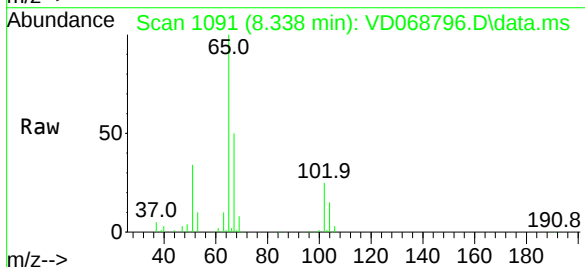
Acq: 08 Apr 2021 18:28

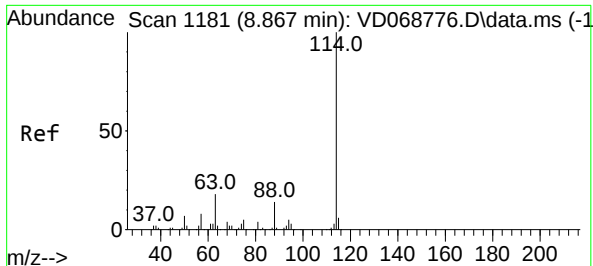
Tgt Ion: 65 Resp: 179525

Ion Ratio Lower Upper

65 100

67 52.1 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: VD068796.D

Acq: 08 Apr 2021 18:28

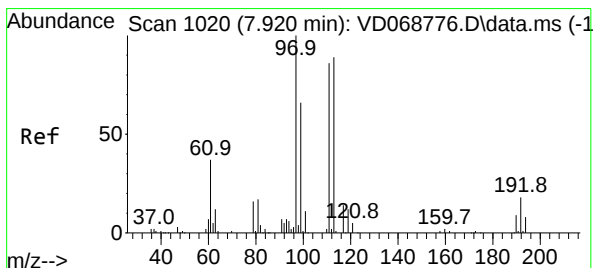
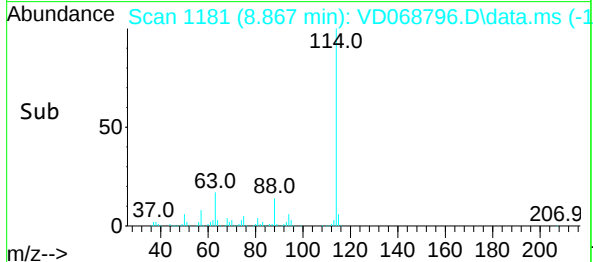
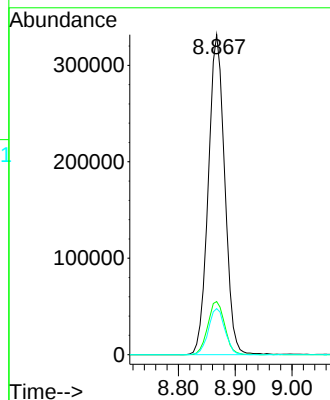
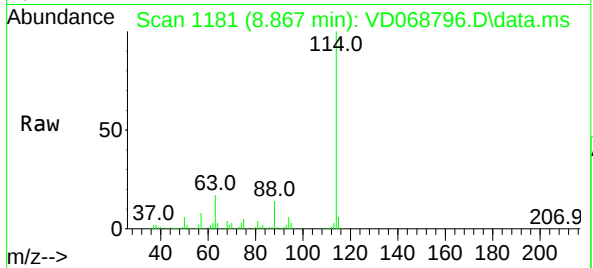
Tgt Ion:114 Resp: 663941

Ion Ratio Lower Upper

114 100

63 16.6 0.0 38.2

88 14.4 0.0 29.4



#35

Dibromofluoromethane

Concen: 50.08 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068796.D

Acq: 08 Apr 2021 18:28

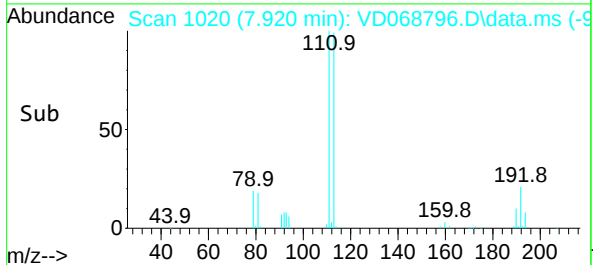
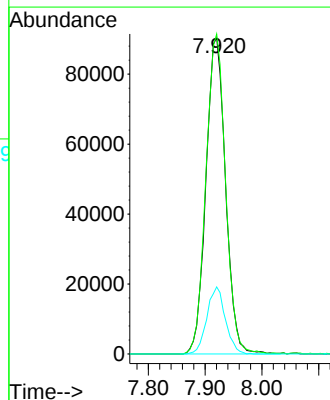
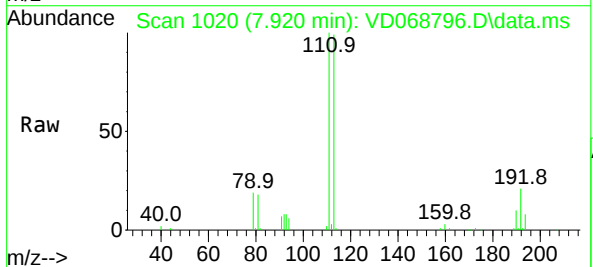
Tgt Ion:113 Resp: 216251

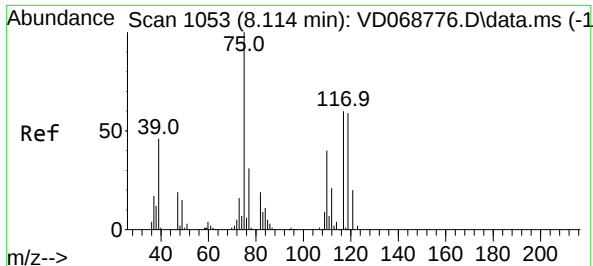
Ion Ratio Lower Upper

113 100

111 101.3 82.5 123.7

192 19.9 15.1 22.7



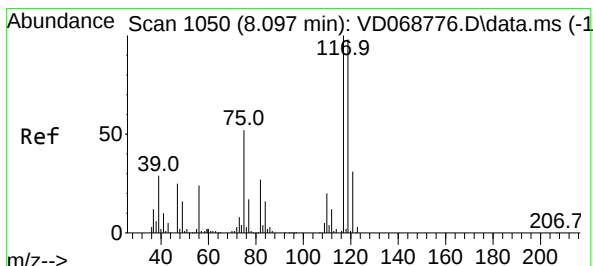
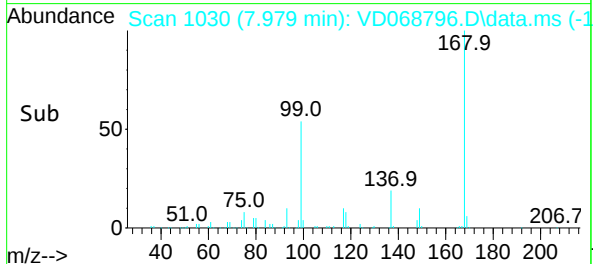
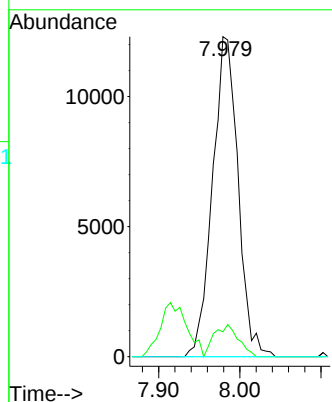
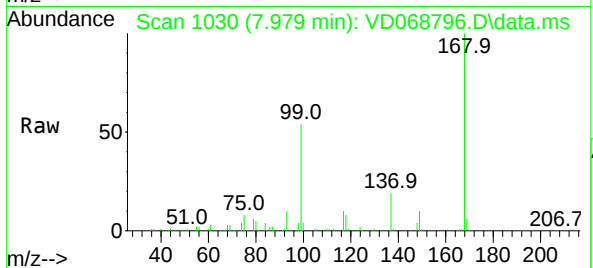


#36

1,1-Dichloropropene
Concen: 4.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068796.D
Acq: 08 Apr 2021 18:28

Instrument :
MSVOA_D
ClientSampled :

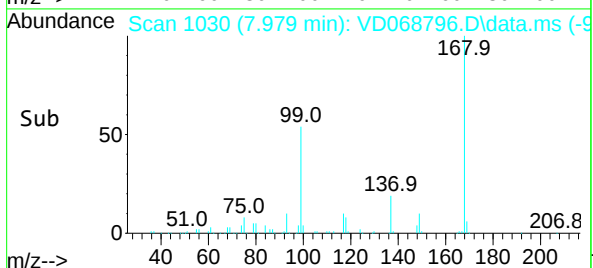
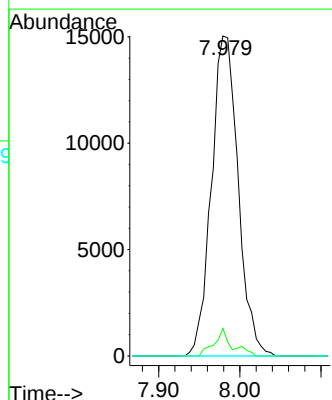
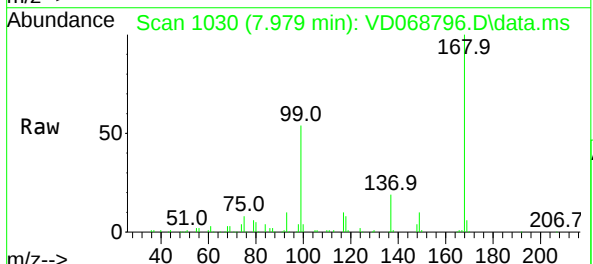
Tgt Ion: 75 Resp: 26852
Ion Ratio Lower Upper
75 100
110 9.5 18.1 54.4#
77 0.0 24.7 37.1#

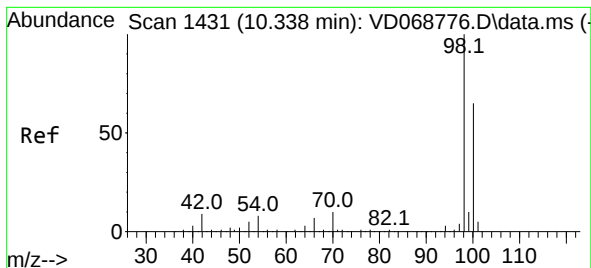


#38

Carbon Tetrachloride
Concen: 5.17 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD068796.D
Acq: 08 Apr 2021 18:28

Tgt Ion: 117 Resp: 34391
Ion Ratio Lower Upper
117 100
119 8.6 76.6 115.0#
121 0.0 26.1 39.1#

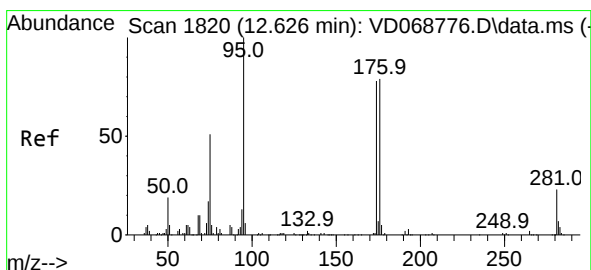
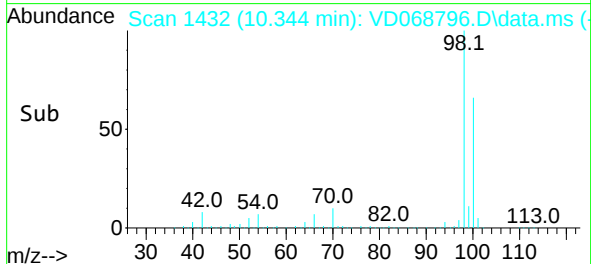
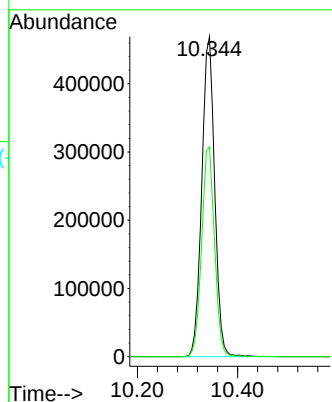
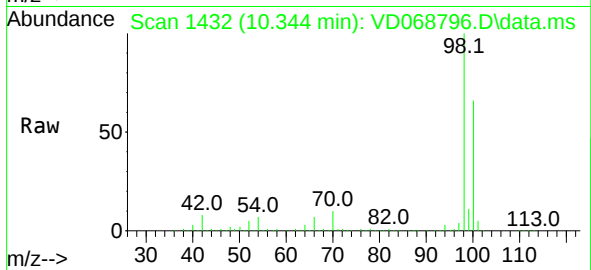




#50
Toluene-d8
Concen: 51.33 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VD068796.D
Acq: 08 Apr 2021 18:28

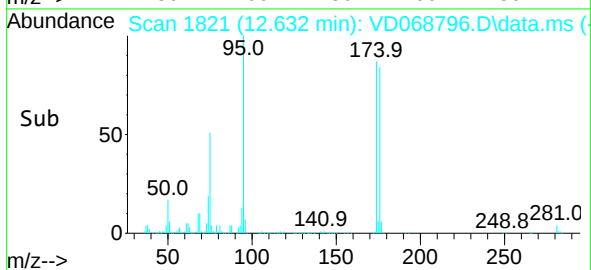
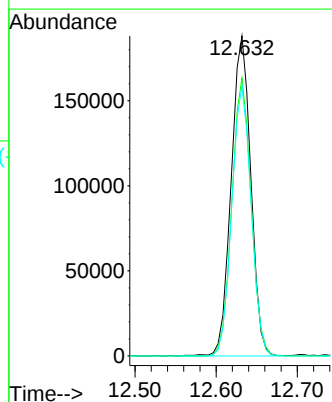
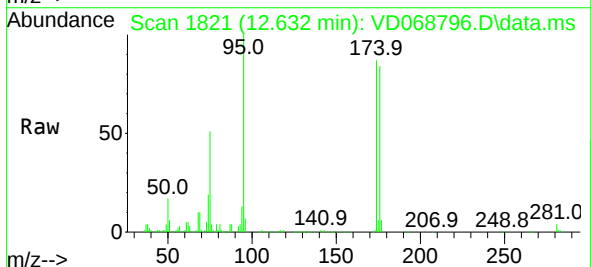
Instrument :
MSVOA_D
ClientSampleId :

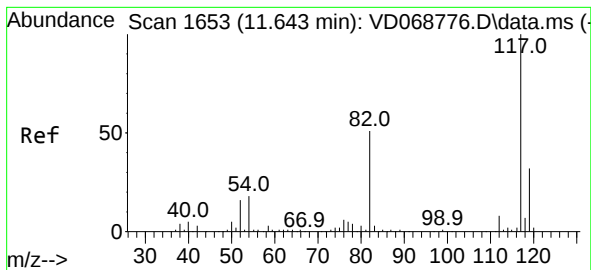
Tgt Ion: 98 Resp: 836209
Ion Ratio Lower Upper
98 100
100 65.7 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 58.25 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068796.D
Acq: 08 Apr 2021 18:28

Tgt Ion: 95 Resp: 315150
Ion Ratio Lower Upper
95 100
174 85.3 0.0 168.0
176 82.9 0.0 160.2

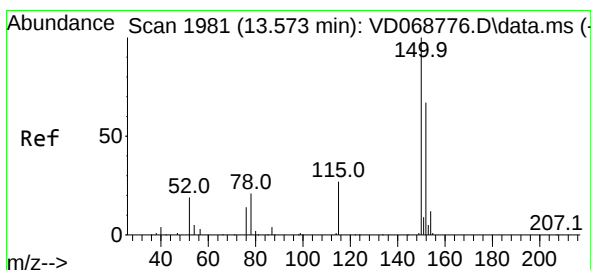
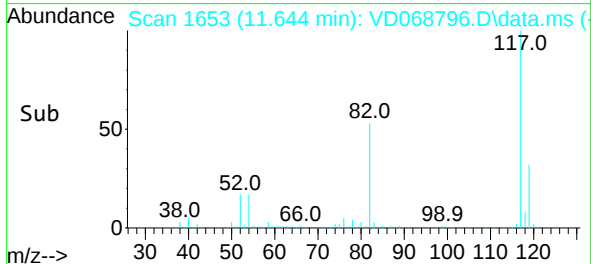
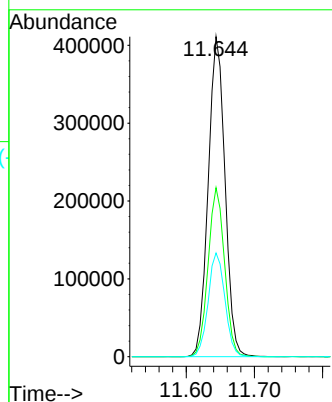
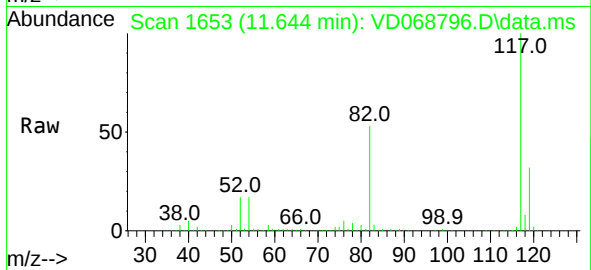




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.001 min
Lab File: VD068796.D
Acq: 08 Apr 2021 18:28

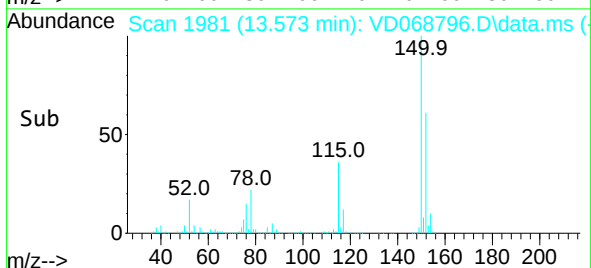
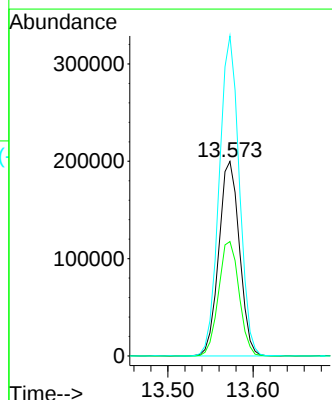
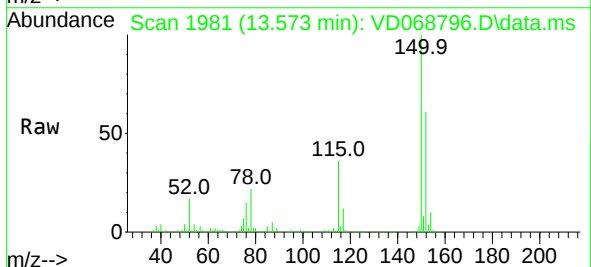
Instrument :
MSVOA_D
ClientSampled :

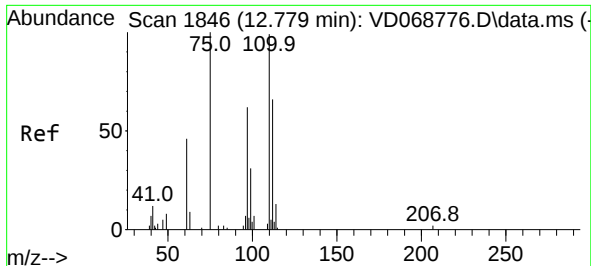
Tgt Ion:117 Resp: 703728
Ion Ratio Lower Upper
117 100
82 52.8 43.5 65.3
119 32.4 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068796.D
Acq: 08 Apr 2021 18:28

Tgt Ion:152 Resp: 336926
Ion Ratio Lower Upper
152 100
115 58.6 29.3 87.8
150 159.8 0.0 347.6

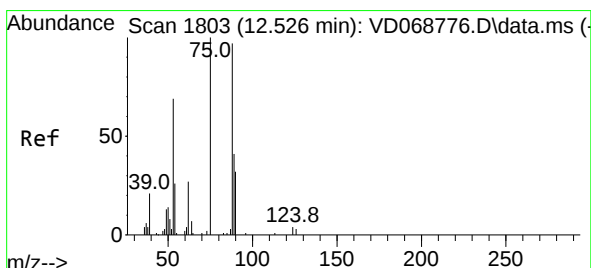
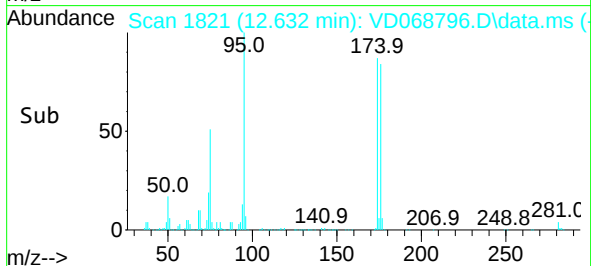
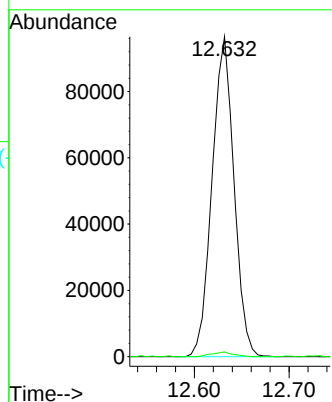
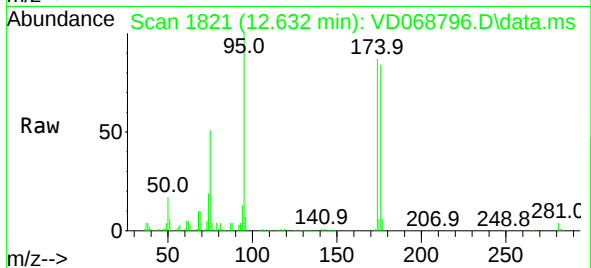




#76
1,2,3-Trichloropropane
Concen: 50.41 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD068796.D
Acq: 08 Apr 2021 18:28

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 155161
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.99 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068796.D
Acq: 08 Apr 2021 18:28

Tgt Ion: 75 Resp: 155161
Ion Ratio Lower Upper
75 100
53 0.4 66.8 100.2#
89 0.0 36.6 54.8#

