

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042121\
 Data File : VD068936.D
 Acq On : 21 Apr 2021 19:36
 Operator : VA/SY
 Sample : M2106-18
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 22 10:24:20 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	7.979	168	118356	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	199874	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	251568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	133207	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	73863	59.05	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.10%
35) Dibromofluoromethane	7.920	113	73913	56.85	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.70%
50) Toluene-d8	10.338	98	258784	52.77	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.54%
62) 4-Bromofluorobenzene	12.632	95	107640	66.08	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	132.16%

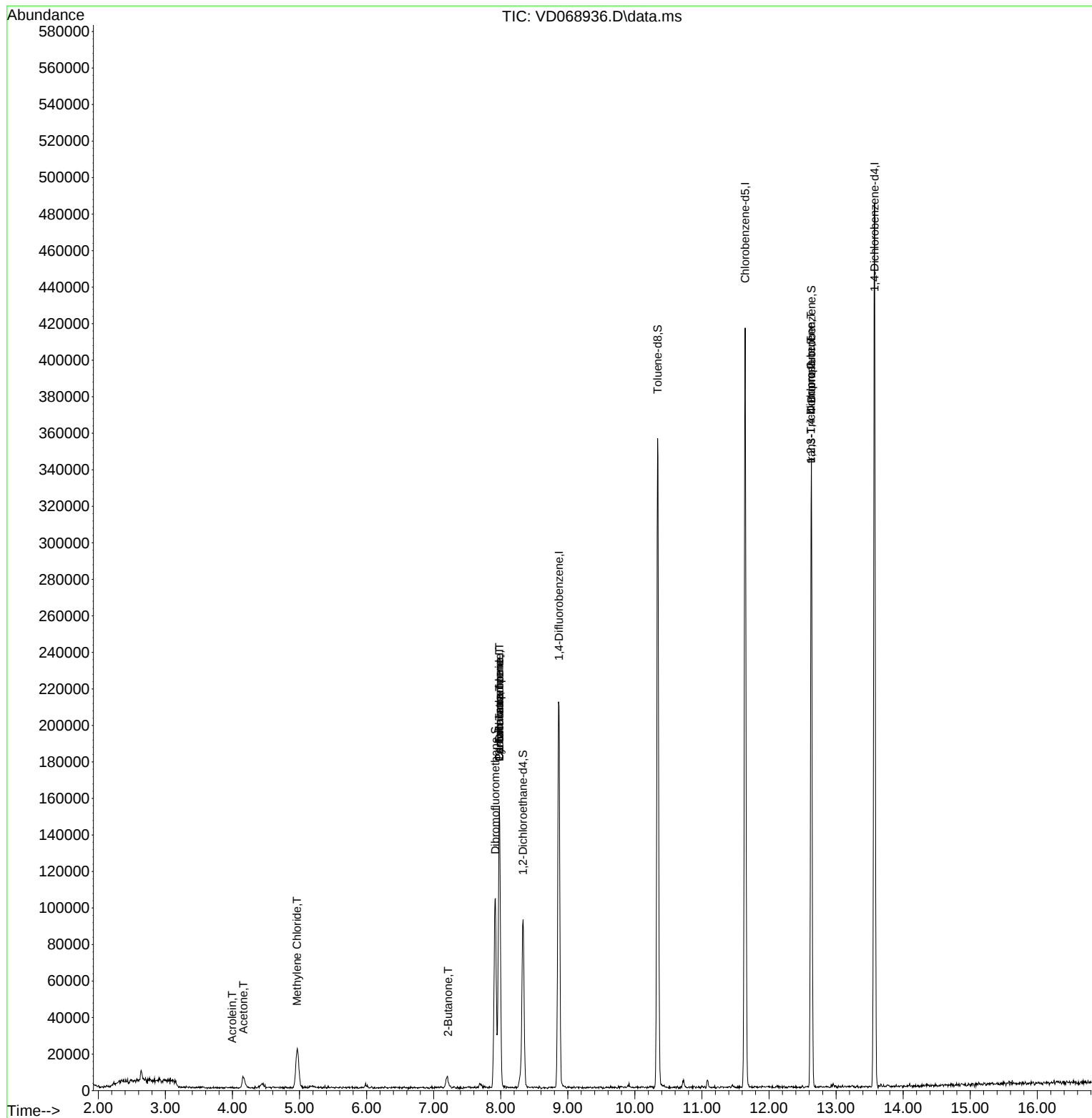
Target Compounds					Qvalue
11) Tert butyl alcohol	5.226	59	279	Below Cal	# 73
13) Acrolein	3.997	56	55	1.12 ug/l	# 16
16) Acetone	4.162	43	10213	58.96 ug/l	# 94
20) Methylene Chloride	4.962	84	19284	9.88 ug/l	# 95
25) 2-Butanone	7.214	43	1324	5.40 ug/l	# 39
31) Cyclohexane	7.979	56	2333	1.12 ug/l	# 51
36) 1,1-Dichloropropene	7.979	75	8507	4.20 ug/l	# 52
38) Carbon Tetrachloride	7.979	117	10796	5.39 ug/l	# 15
76) 1,2,3-Trichloropropane	12.626	75	52585	43.21 ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.626	75	52585	100.28 ug/l	# 16

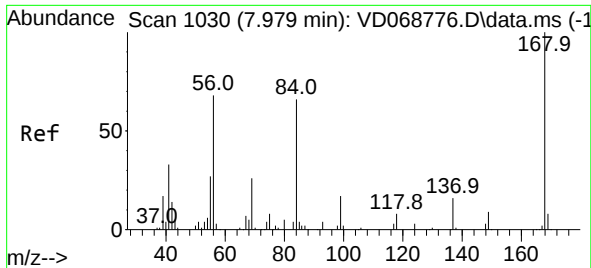
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Apr 22 10:24:20 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

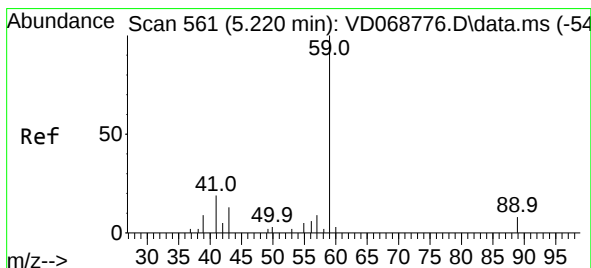
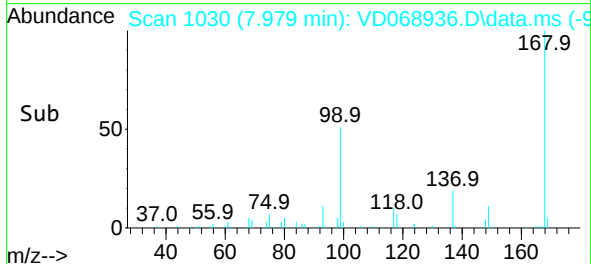
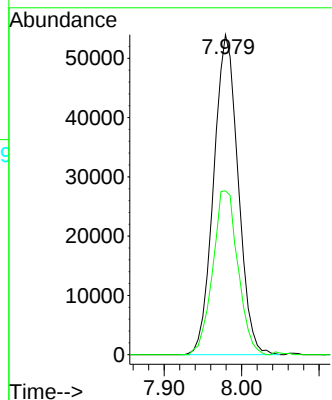
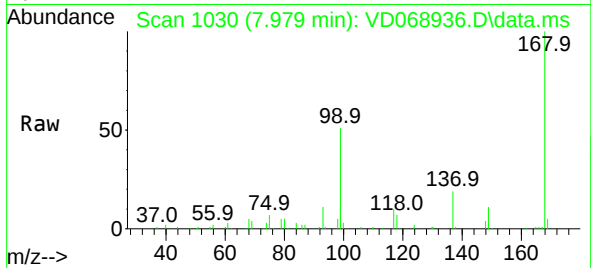




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD068936.D
Acq: 21 Apr 2021 19:36

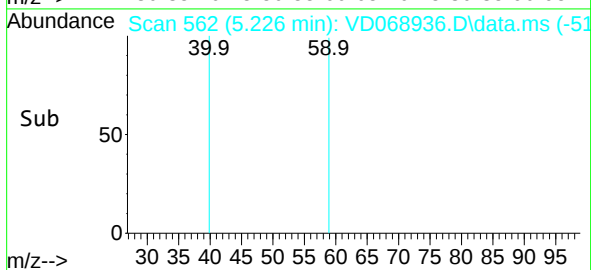
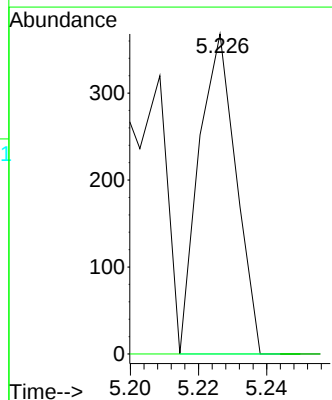
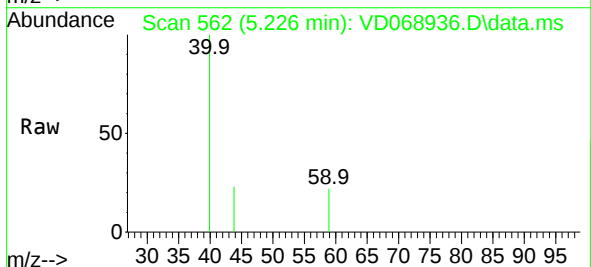
Instrument :
MSVOA_D
ClientSampled :

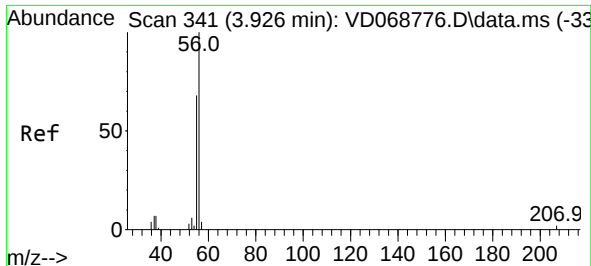
Tgt Ion:168 Resp: 118356
Ion Ratio Lower Upper
168 100
99 51.2 46.2 69.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.226 min Scan# 562
Delta R.T. 0.006 min
Lab File: VD068936.D
Acq: 21 Apr 2021 19:36

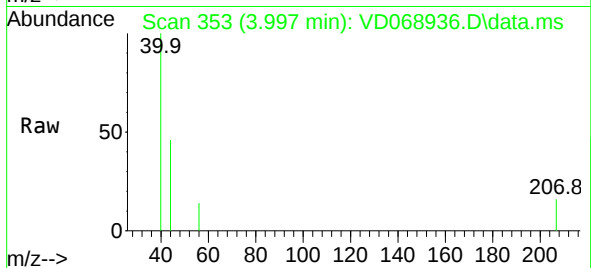
Tgt Ion: 59 Resp: 279
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



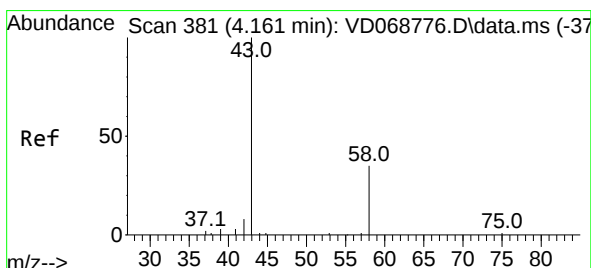
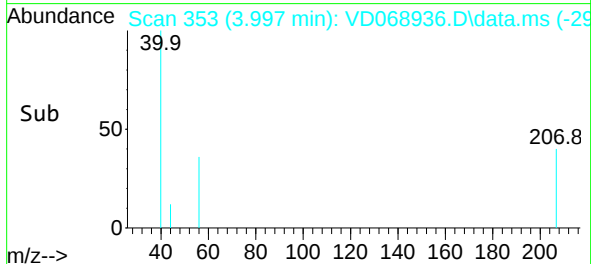
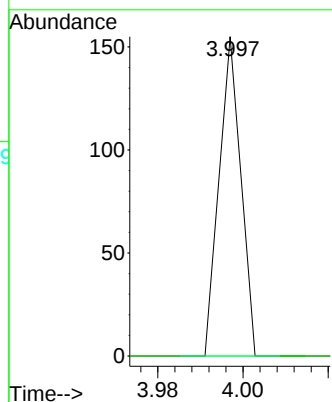


#13
Acrolein
Concen: 1.12 ug/l
RT: 3.997 min Scan# 353
Delta R.T. 0.071 min
Lab File: VD068936.D
Acq: 21 Apr 2021 19:36

Instrument :
MSVOA_D
ClientSampled :

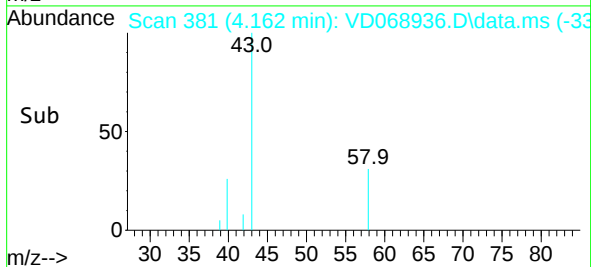
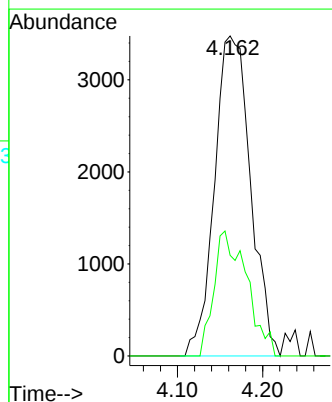
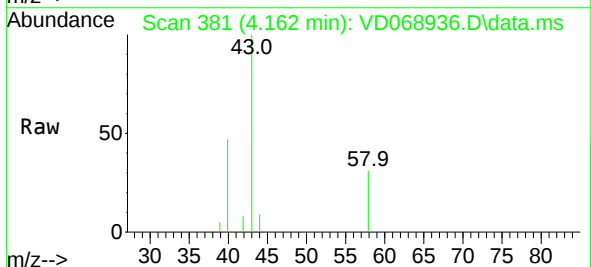


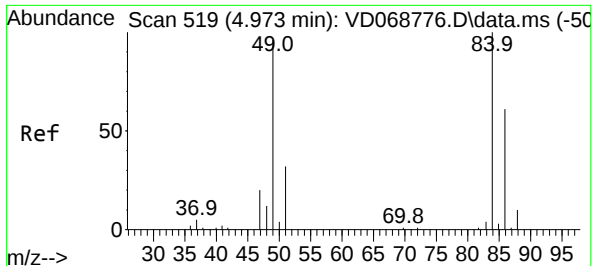
Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 0.0 54.7 82.1#



#16
Acetone
Concen: 58.96 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.001 min
Lab File: VD068936.D
Acq: 21 Apr 2021 19:36

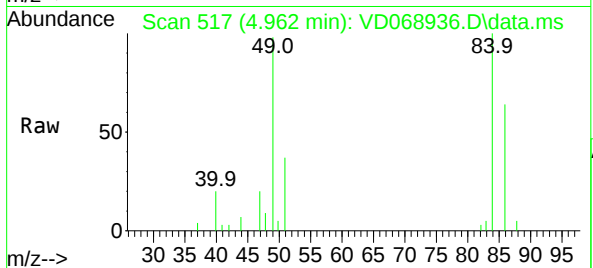
Tgt Ion: 43 Resp: 10213
Ion Ratio Lower Upper
43 100
58 31.4 28.0 42.0



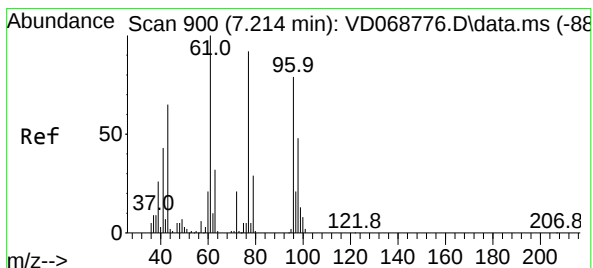
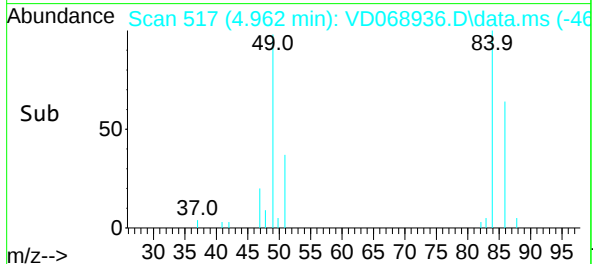
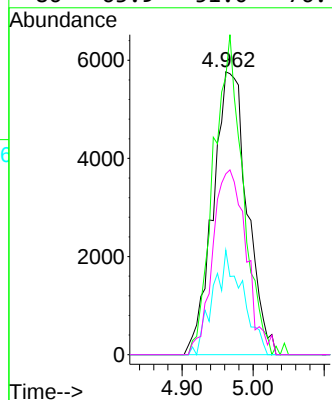


#20
Methylene Chloride
Concen: 9.88 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.011 min
Lab File: VD068936.D
Acq: 21 Apr 2021 19:36

Instrument :
MSVOA_D
ClientSampleId :

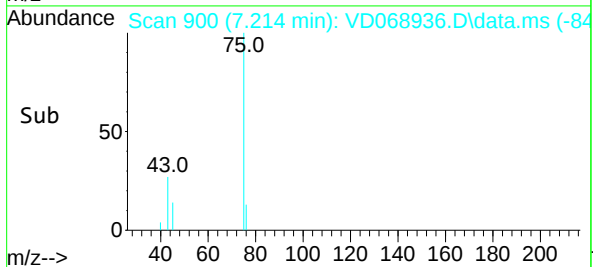
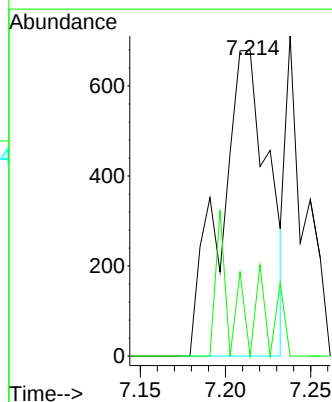
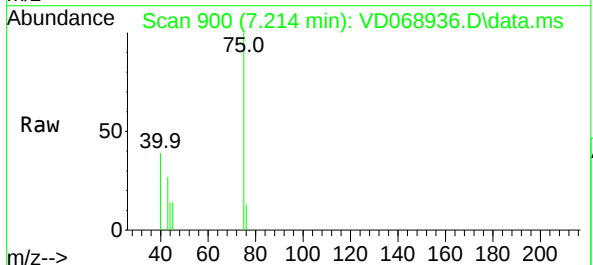


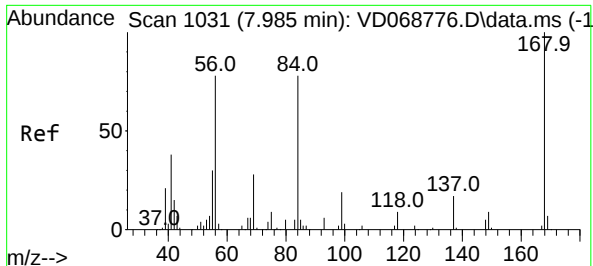
Tgt Ion:	84	Resp:	19284
Ion	Ratio	Lower	Upper
84	100		
49	98.2	83.4	125.0
51	36.9	23.4	35.2#
86	63.9	51.0	76.4



#25
2-Butanone
Concen: 5.40 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD068936.D
Acq: 21 Apr 2021 19:36

Tgt Ion:	43	Resp:	1324
Ion	Ratio	Lower	Upper
43	100		
72	0.0	28.6	43.0#

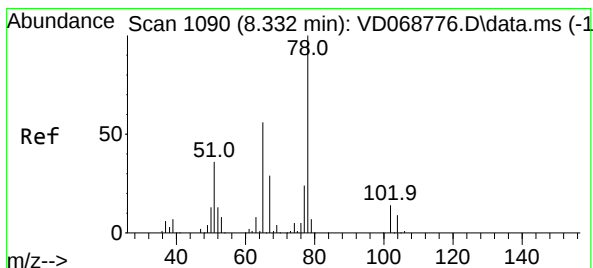
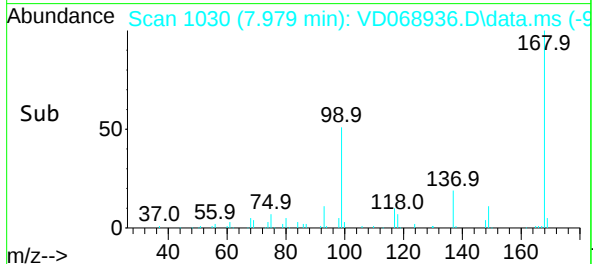
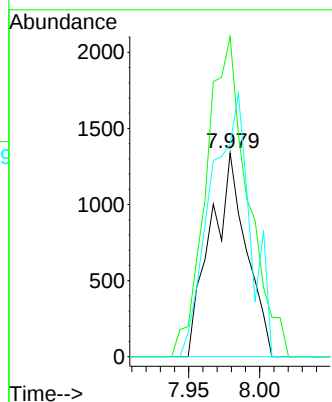
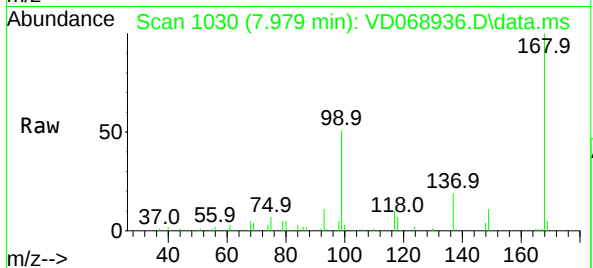




#31
Cyclohexane
Concen: 1.12 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068936.D
Acq: 21 Apr 2021 19:36

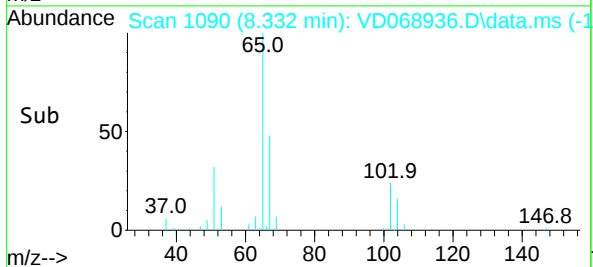
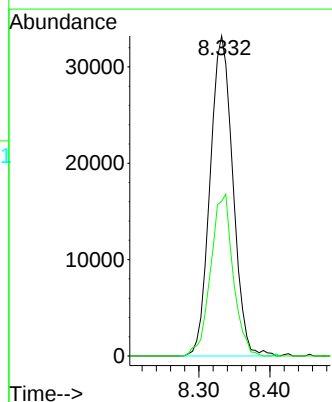
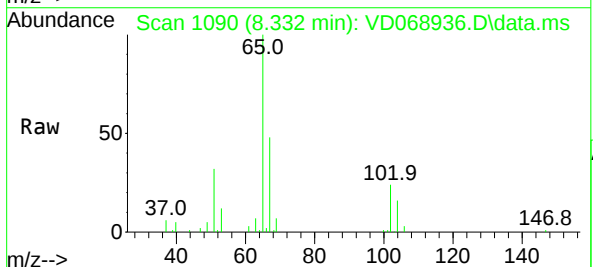
Instrument :
MSVOA_D
ClientSampleId :

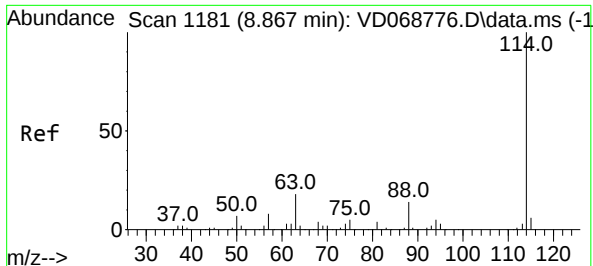
Tgt Ion: 56 Resp: 2333
Ion Ratio Lower Upper
56 100
69 143.8 30.0 45.0#
84 104.3 82.0 123.0



#33
1,2-Dichloroethane-d4
Concen: 59.05 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068936.D
Acq: 21 Apr 2021 19:36

Tgt Ion: 65 Resp: 73863
Ion Ratio Lower Upper
65 100
67 49.8 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: VD068936.D

Acq: 21 Apr 2021 19:36

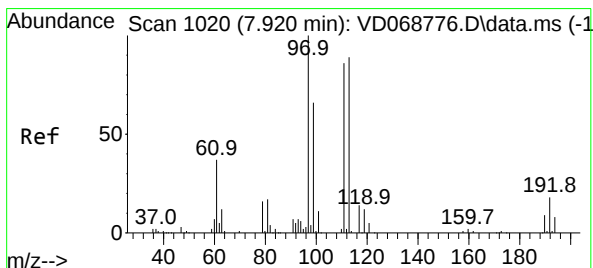
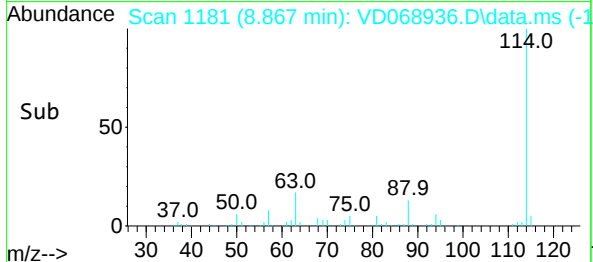
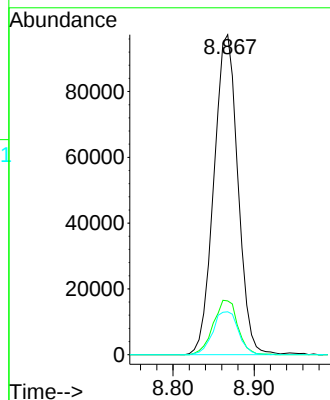
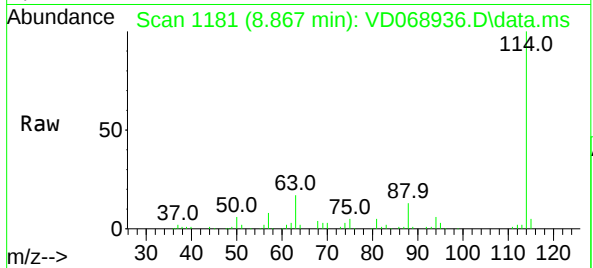
Tgt Ion:114 Resp: 199874

Ion Ratio Lower Upper

114 100

63 16.8 0.0 38.2

88 13.4 0.0 29.4



#35

Dibromofluoromethane

Concen: 56.85 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068936.D

Acq: 21 Apr 2021 19:36

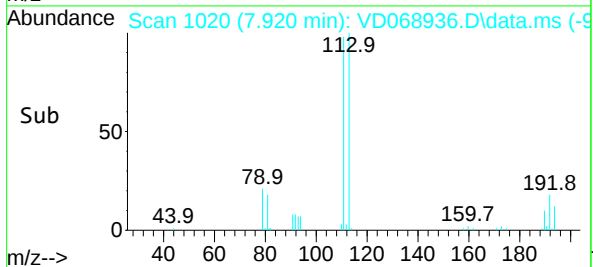
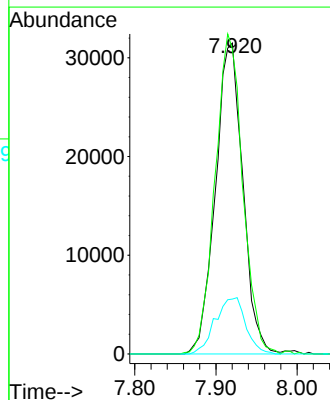
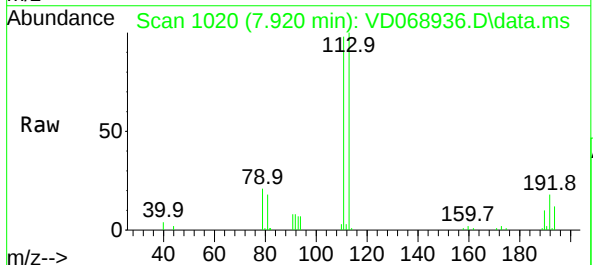
Tgt Ion:113 Resp: 73913

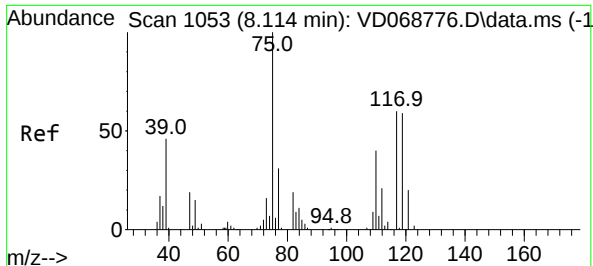
Ion Ratio Lower Upper

113 100

111 103.6 82.5 123.7

192 20.1 15.1 22.7



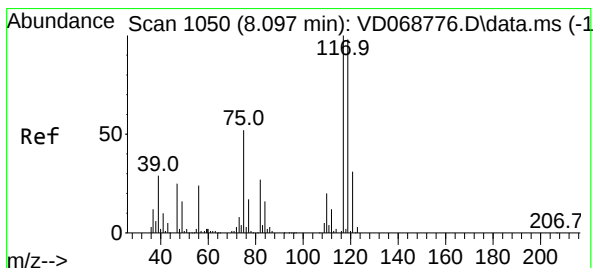
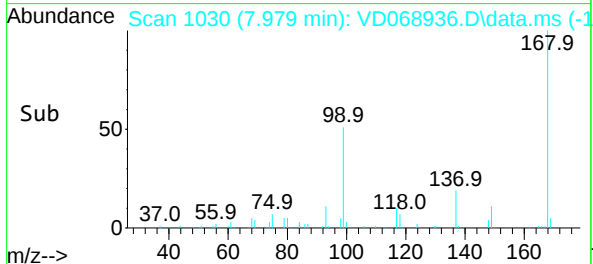
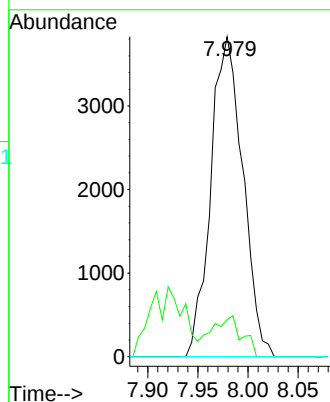
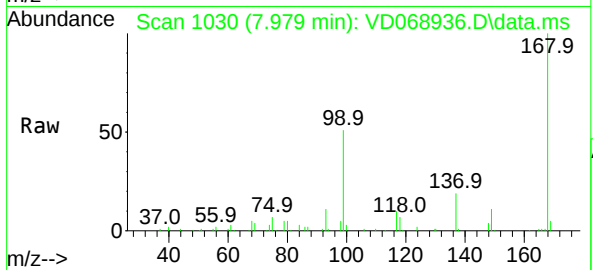


#36

1,1-Dichloropropene
Concen: 4.20 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068936.D
Acq: 21 Apr 2021 19:36

Instrument :
MSVOA_D
ClientSampleId :

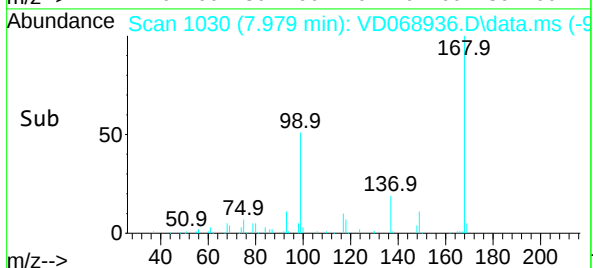
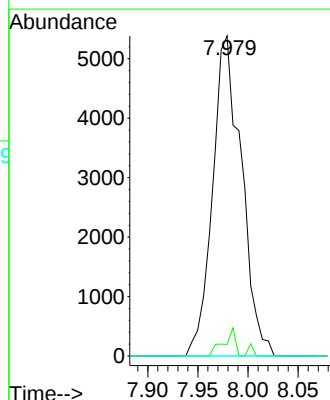
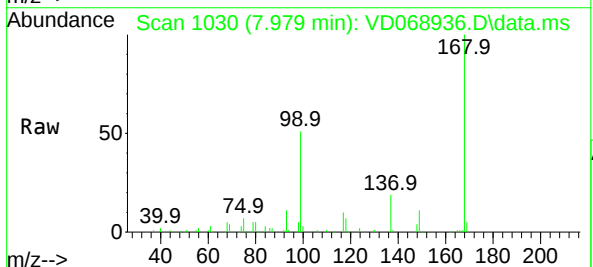
Tgt Ion: 75 Resp: 8507
Ion Ratio Lower Upper
75 100
110 12.2 18.1 54.4#
77 0.0 24.7 37.1#

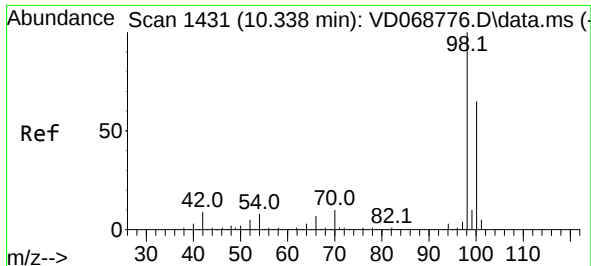


#38

Carbon Tetrachloride
Concen: 5.39 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD068936.D
Acq: 21 Apr 2021 19:36

Tgt Ion: 117 Resp: 10796
Ion Ratio Lower Upper
117 100
119 3.6 76.6 115.0#
121 0.0 26.1 39.1#

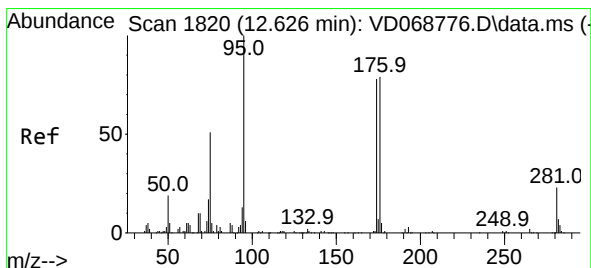
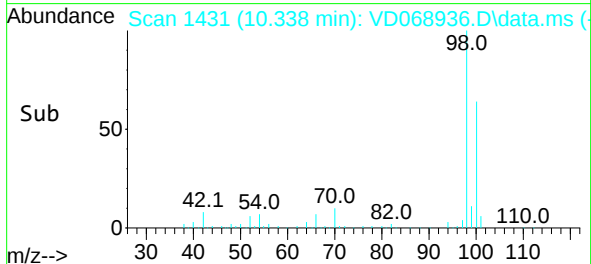
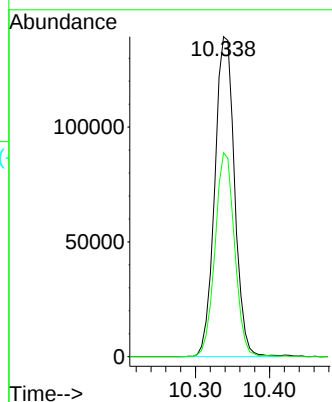
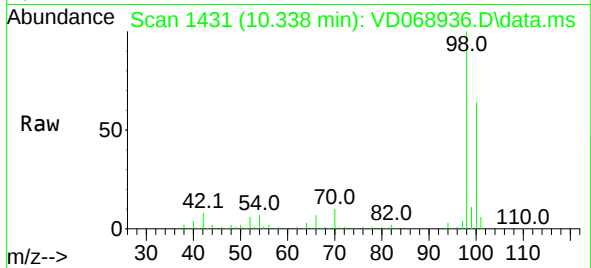




#50
Toluene-d8
Concen: 52.77 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD068936.D
Acq: 21 Apr 2021 19:36

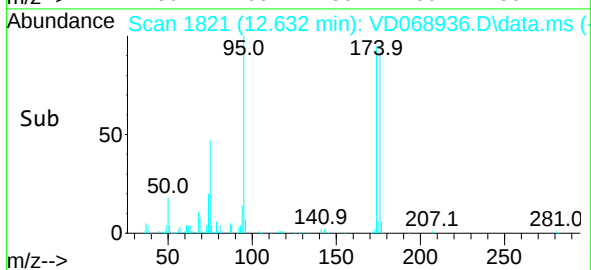
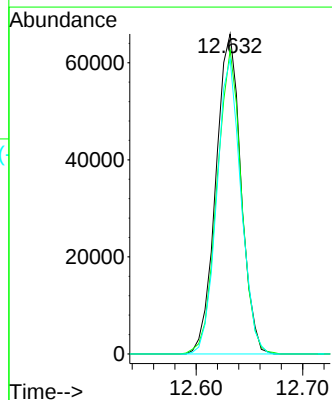
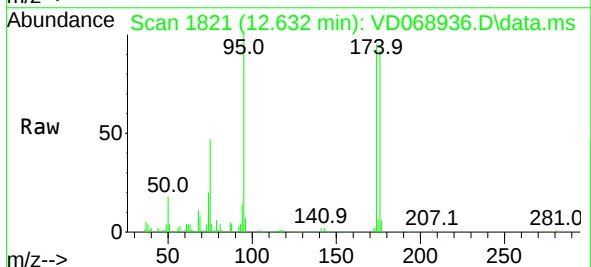
Instrument :
MSVOA_D
ClientSampleId :

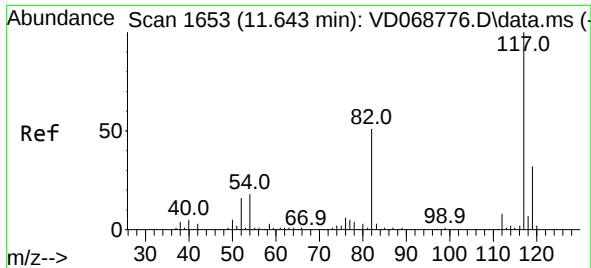
Tgt Ion: 98 Resp: 258784
Ion Ratio Lower Upper
98 100
100 63.1 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 66.08 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068936.D
Acq: 21 Apr 2021 19:36

Tgt Ion: 95 Resp: 107640
Ion Ratio Lower Upper
95 100
174 92.1 0.0 168.0
176 88.8 0.0 160.2

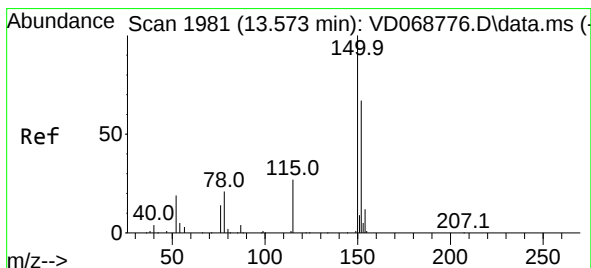
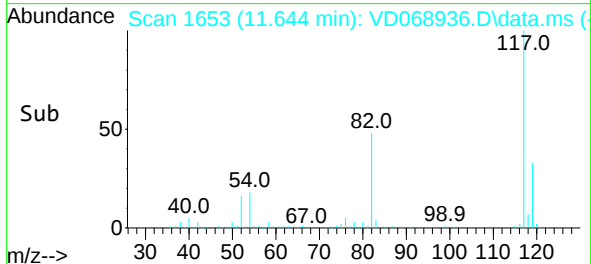
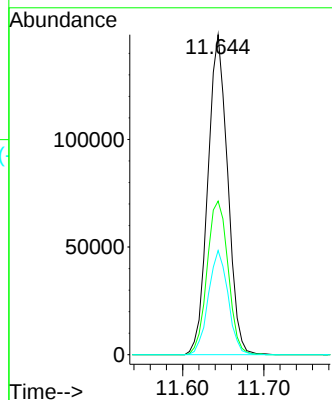
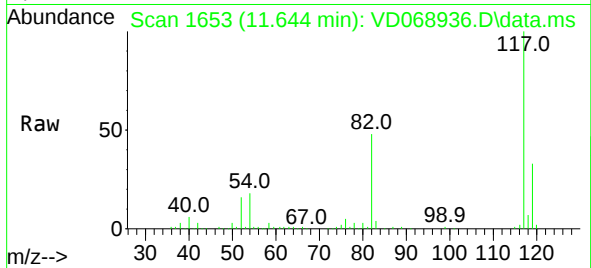




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.001 min
Lab File: VD068936.D
Acq: 21 Apr 2021 19:36

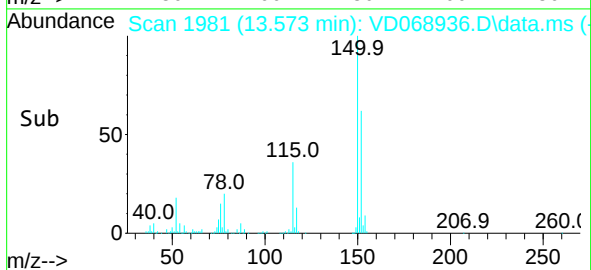
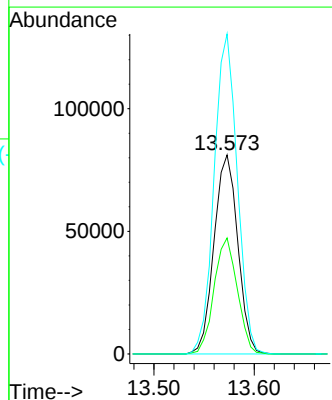
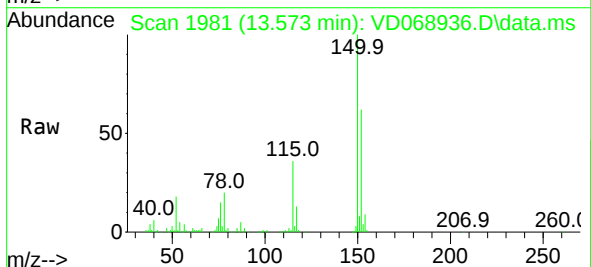
Instrument :
MSVOA_D
ClientSampleId :

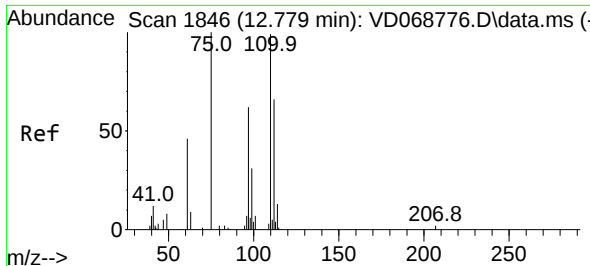
Tgt Ion:117 Resp: 251568
Ion Ratio Lower Upper
117 100
82 48.0 43.5 65.3
119 32.6 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068936.D
Acq: 21 Apr 2021 19:36

Tgt Ion:152 Resp: 133207
Ion Ratio Lower Upper
152 100
115 57.1 29.3 87.8
150 156.5 0.0 347.6

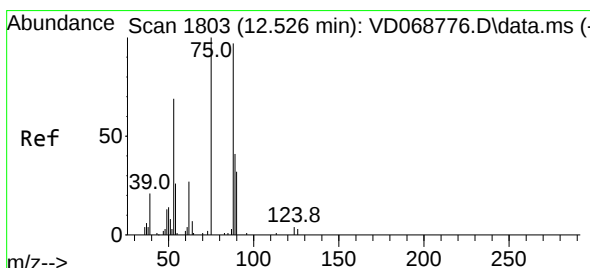
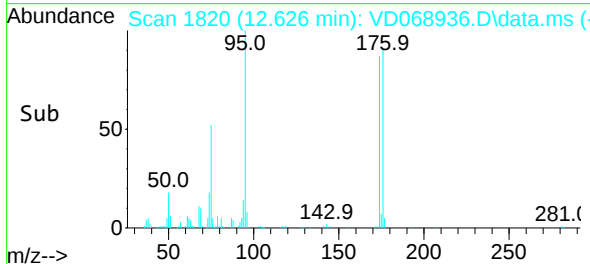
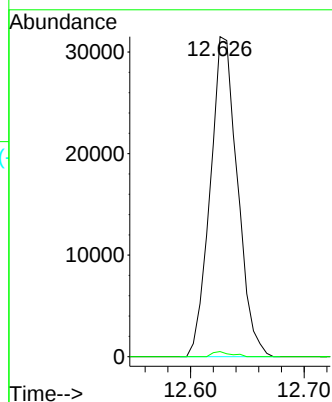
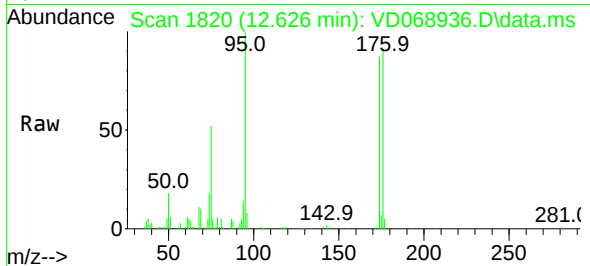




#76
1,2,3-Trichloropropane
Concen: 43.21 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD068936.D
Acq: 21 Apr 2021 19:36

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 52585
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.28 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD068936.D
Acq: 21 Apr 2021 19:36

Tgt Ion: 75 Resp: 52585
Ion Ratio Lower Upper
75 100
53 0.2 66.8 100.2#
89 0.0 36.6 54.8#

