

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042821\
 Data File : VD069010.D
 Acq On : 28 Apr 2021 18:02
 Operator : VA/SY
 Sample : M2213-01
 Misc : 3.21G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 29 06:33:56 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)

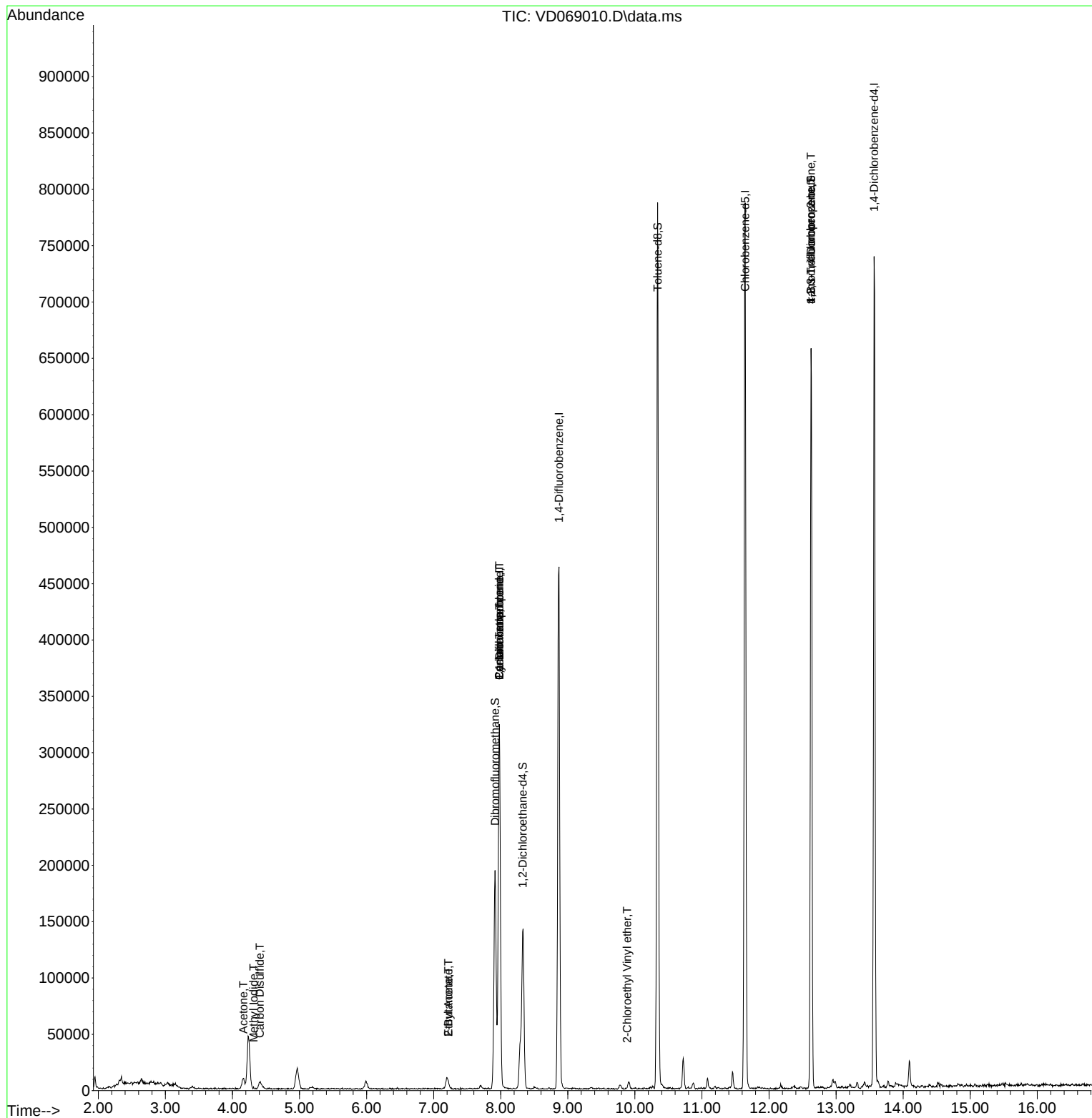
Internal Standards						
1) Pentafluorobenzene	7.979	168	253007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	433804	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	493119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	200246	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	108031	40.40	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.80%		
35) Dibromofluoromethane	7.914	113	136965	48.54	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.08%		
50) Toluene-d8	10.338	98	539956	50.73	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.46%		
62) 4-Bromofluorobenzene	12.626	95	203198	57.48	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	114.96%		
Target Compounds						Qvalue
10) Methyl Iodide	4.315	142	125	2.29	ug/l #	41
11) Tert butyl alcohol	5.209	59	570	Below Cal	#	73
16) Acetone	4.162	43	17105	46.19	ug/l #	86
17) Carbon Disulfide	4.409	76	11373	1.39	ug/l	99
25) 2-Butanone	7.220	43	4934	9.42	ug/l	96
31) Cyclohexane	7.979	56	5060	1.14	ug/l #	7
36) 1,1-Dichloropropene	7.979	75	17448	3.97	ug/l #	48
37) Ethyl Acetate	7.220	43	4934	3.83	ug/l #	74
38) Carbon Tetrachloride	7.979	117	25440	5.85	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.885	63	60	17.03	ug/l #	44
76) 1,2,3-Trichloropropane	12.626	75	98626	53.91	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	98626	125.12	ug/l #	16

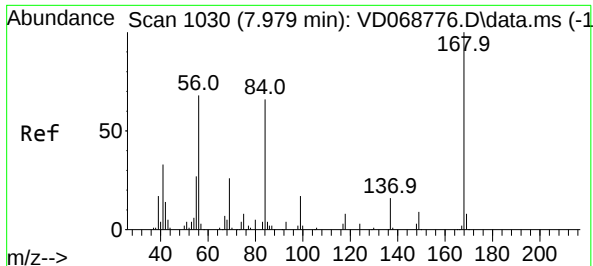
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 29 06:33:56 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

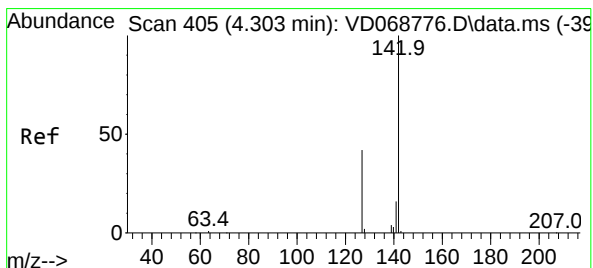
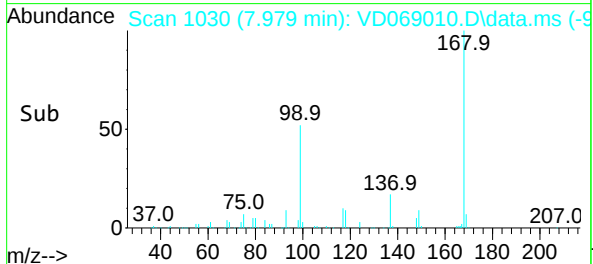
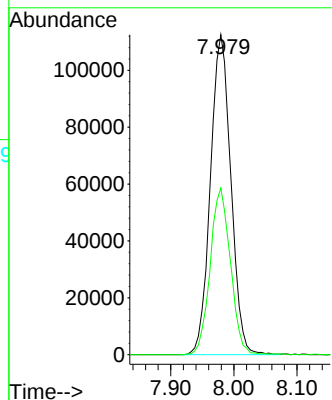
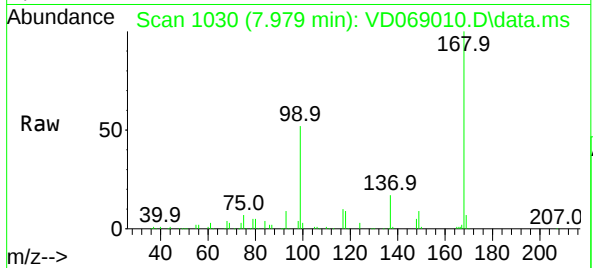




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069010.D
Acq: 28 Apr 2021 18:02

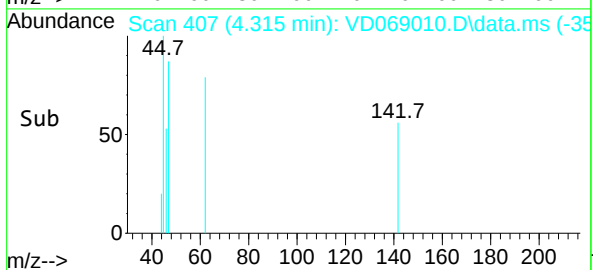
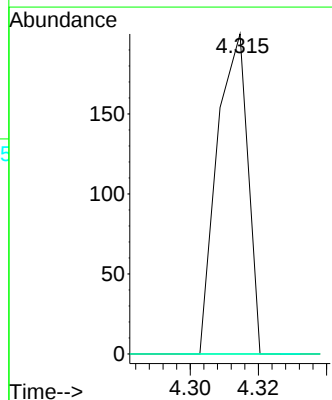
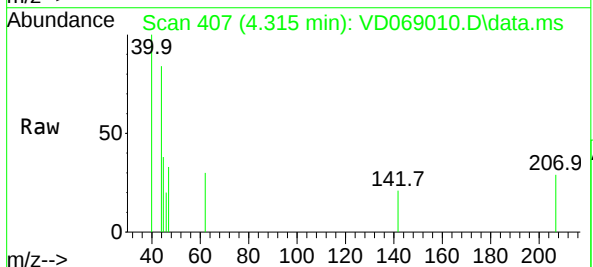
Instrument :
MSVOA_D
ClientSampleId :

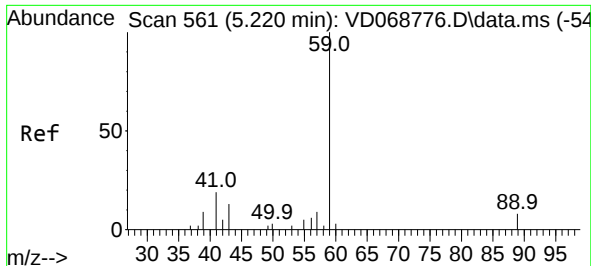
Tgt Ion:168 Resp: 253007
Ion Ratio Lower Upper
168 100
99 52.1 46.2 69.2



#10
Methyl Iodide
Concen: 2.29 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD069010.D
Acq: 28 Apr 2021 18:02

Tgt Ion:142 Resp: 125
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.0 16.4#

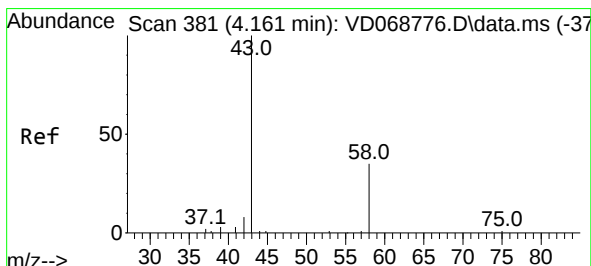
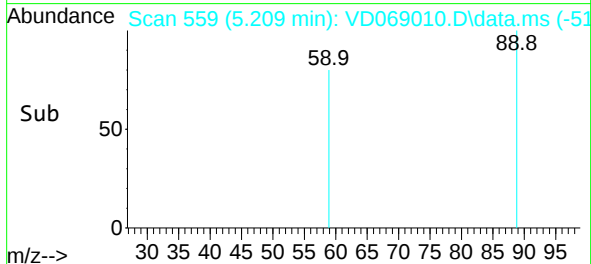
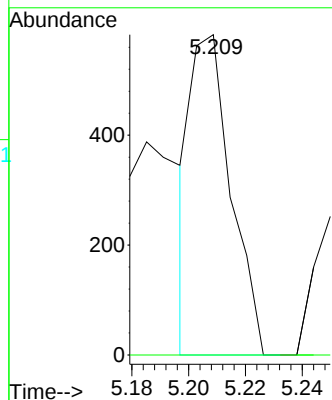
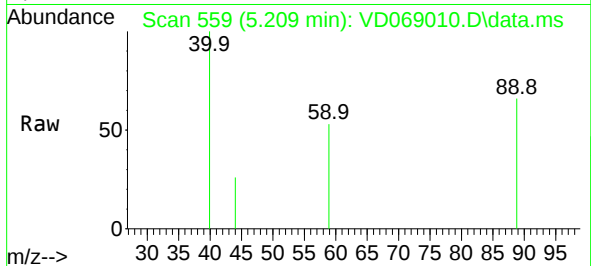




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.011 min
Lab File: VD069010.D
Acq: 28 Apr 2021 18:02

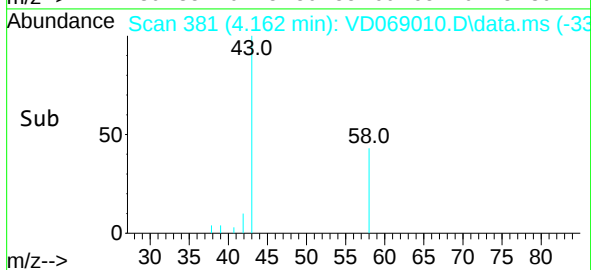
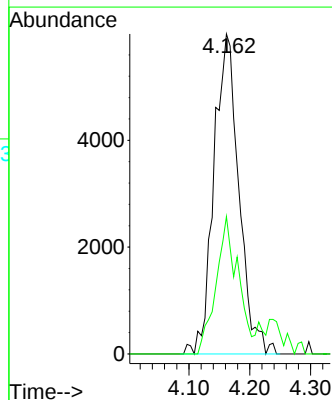
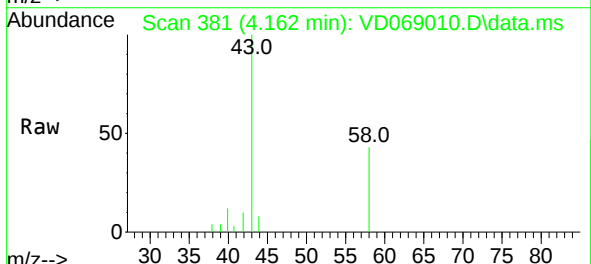
Instrument :
MSVOA_D
ClientSampled :

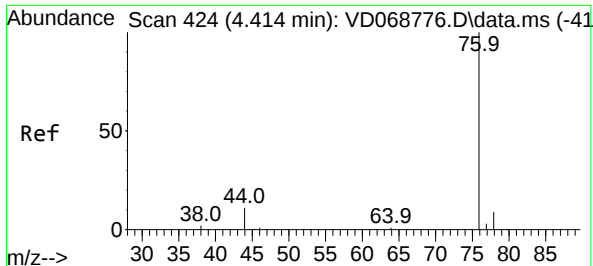
Tgt Ion: 59 Resp: 570
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 46.19 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.001 min
Lab File: VD069010.D
Acq: 28 Apr 2021 18:02

Tgt Ion: 43 Resp: 17105
Ion Ratio Lower Upper
43 100
58 43.0 28.0 42.0#

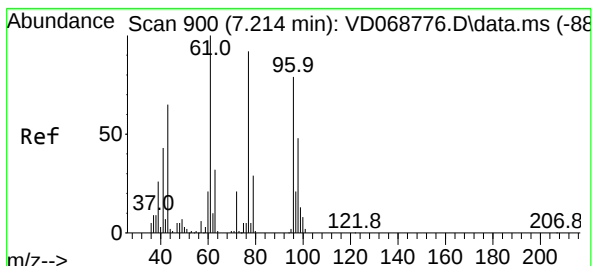
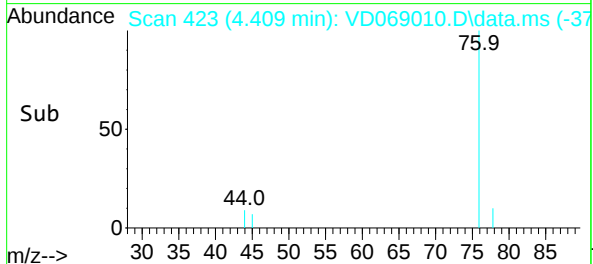
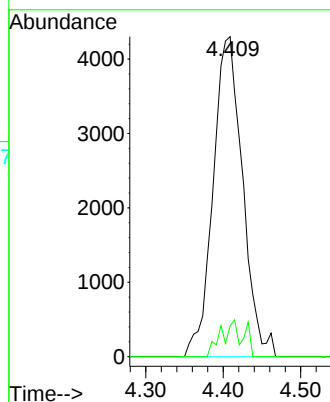
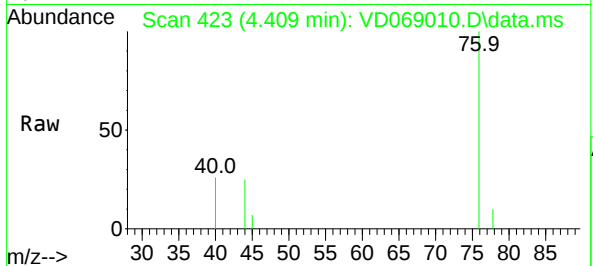




#17
Carbon Disulfide
Concen: 1.39 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.005 min
Lab File: VD069010.D
Acq: 28 Apr 2021 18:02

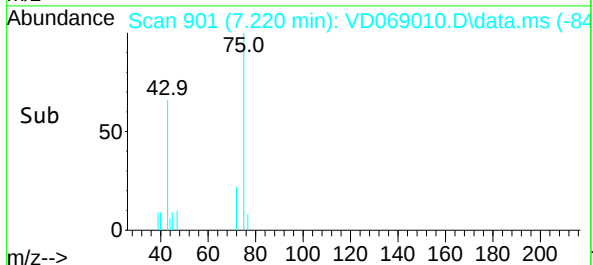
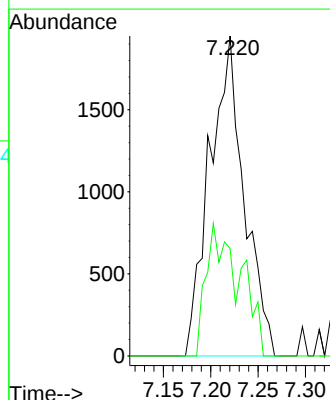
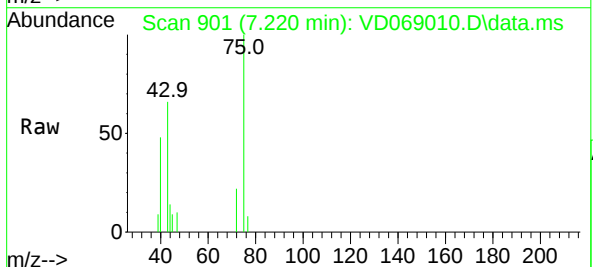
Instrument :
MSVOA_D
ClientSampleId :

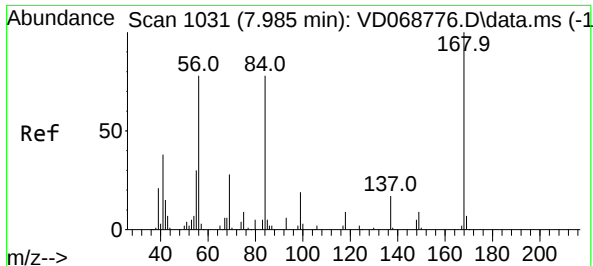
Tgt Ion: 76 Resp: 11373
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9



#25
2-Butanone
Concen: 9.42 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD069010.D
Acq: 28 Apr 2021 18:02

Tgt Ion: 43 Resp: 4934
Ion Ratio Lower Upper
43 100
72 33.5 28.6 43.0





#31

Cyclohexane

Concen: 1.14 ug/l

RT: 7.979 min Scan# 1030

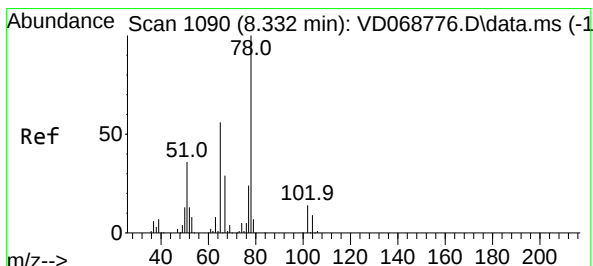
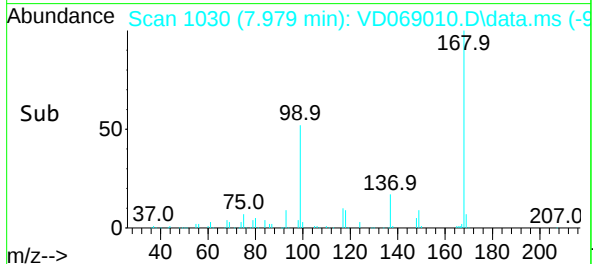
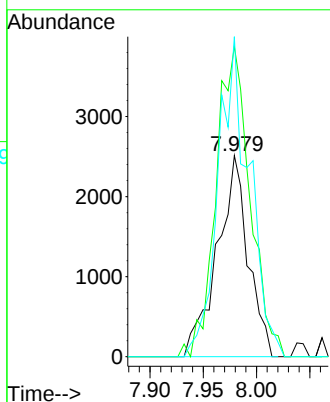
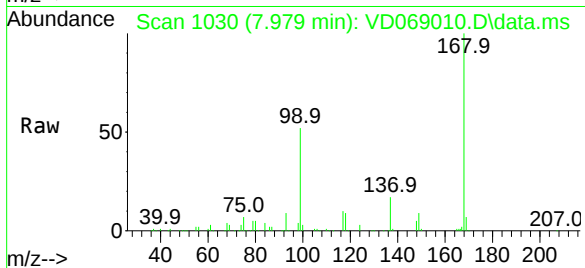
Delta R.T. -0.006 min

Lab File: VD069010.D

Acq: 28 Apr 2021 18:02

Tgt Ion:	56	Resp:	5060
Ion	Ratio	Lower	Upper
56	100		
69	154.4	30.0	45.0#
84	159.2	82.0	123.0#

Instrument :
MSVOA_D
ClientSampleId :



#33

1,2-Dichloroethane-d4

Concen: 40.40 ug/l

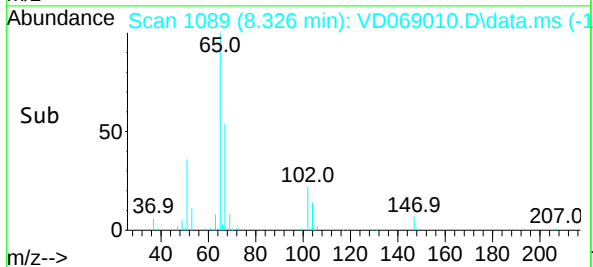
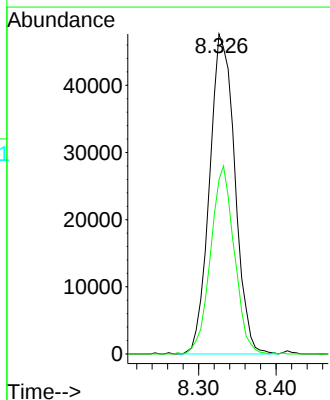
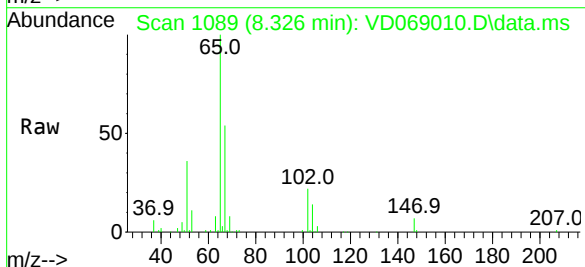
RT: 8.326 min Scan# 1089

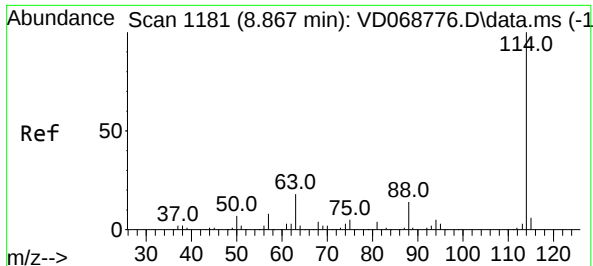
Delta R.T. -0.006 min

Lab File: VD069010.D

Acq: 28 Apr 2021 18:02

Tgt Ion:	65	Resp:	108031
Ion	Ratio	Lower	Upper
65	100		
67	54.9	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: VD069010.D

Acq: 28 Apr 2021 18:02

Tgt Ion:114 Resp: 433804

Ion Ratio Lower Upper

114 100

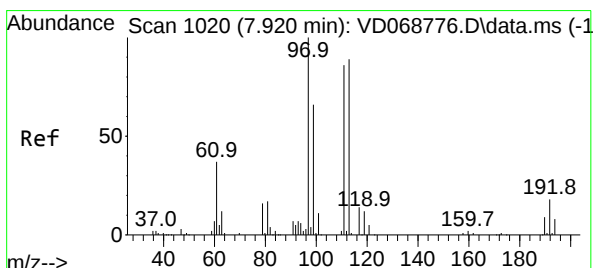
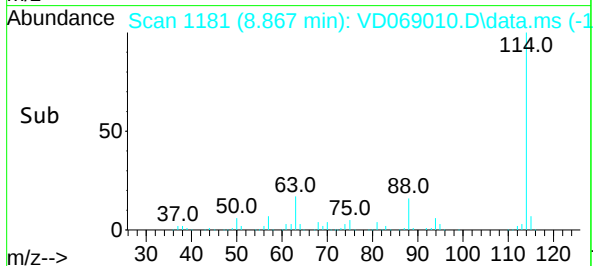
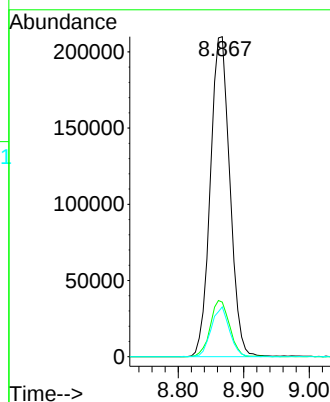
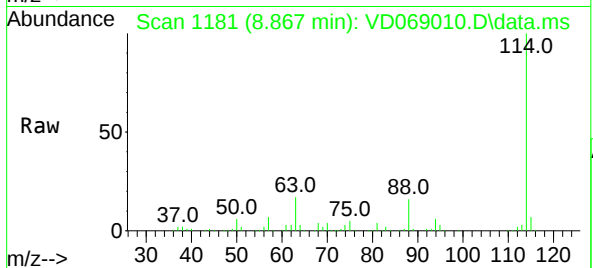
63 17.1 0.0 38.2

88 15.5 0.0 29.4

Instrument :

MSVOA_D

ClientSampleId :



#35

Dibromofluoromethane

Concen: 48.54 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD069010.D

Acq: 28 Apr 2021 18:02

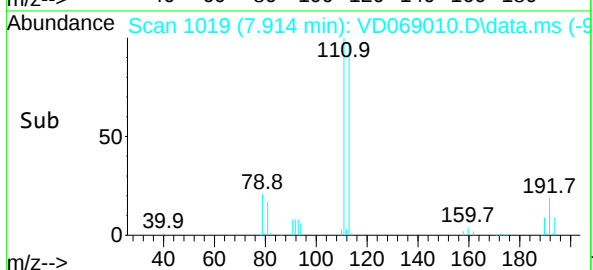
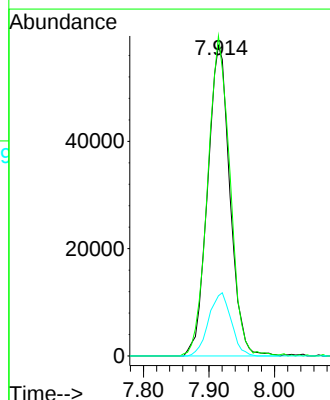
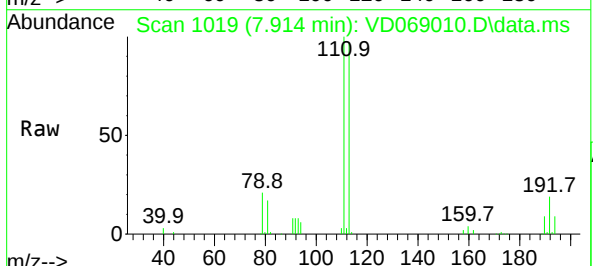
Tgt Ion:113 Resp: 136965

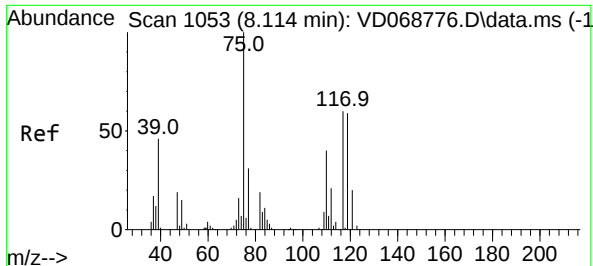
Ion Ratio Lower Upper

113 100

111 103.0 82.5 123.7

192 20.5 15.1 22.7

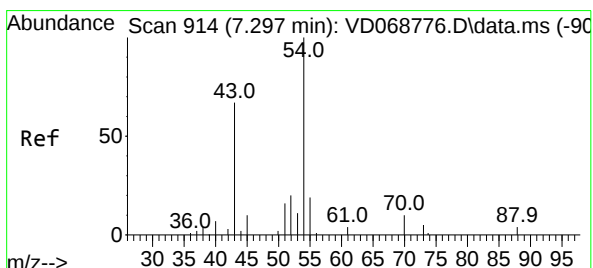
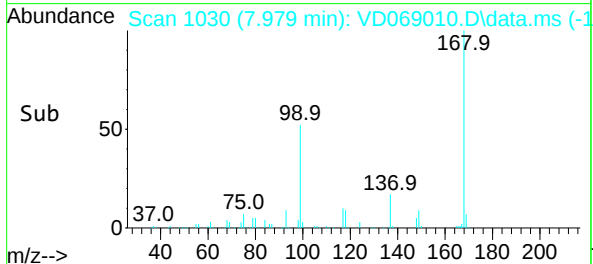
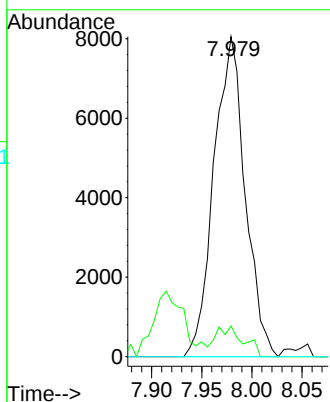
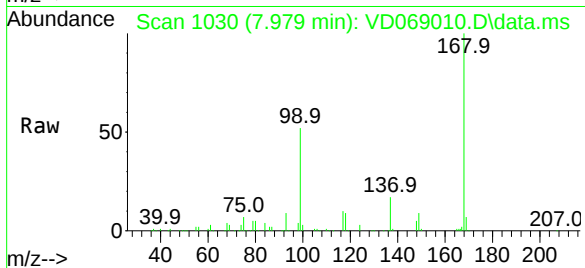




#36
1,1-Dichloropropene
Concen: 3.97 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD069010.D
Acq: 28 Apr 2021 18:02

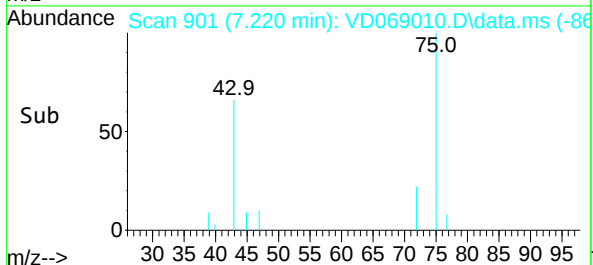
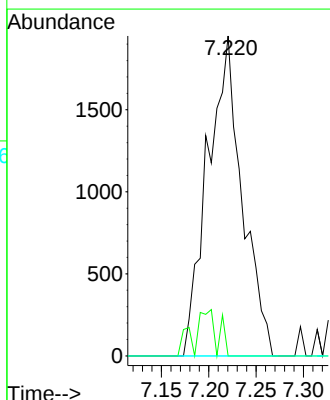
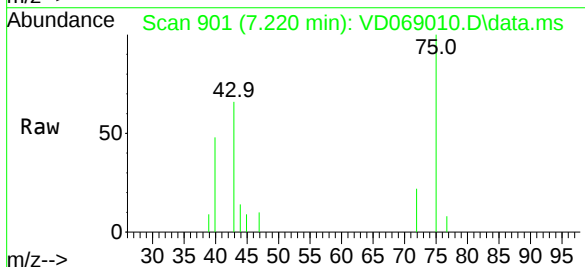
Instrument :
MSVOA_D
ClientSampleId :

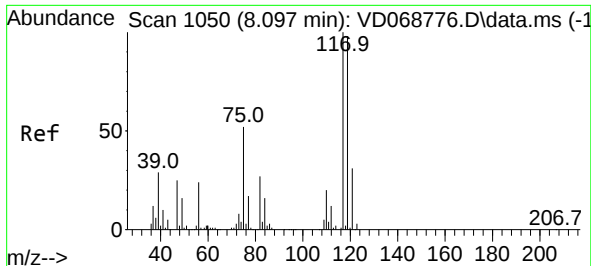
Tgt Ion: 75 Resp: 17448
Ion Ratio Lower Upper
75 100
110 8.2 18.1 54.4#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 3.83 ug/l
RT: 7.220 min Scan# 901
Delta R.T. -0.077 min
Lab File: VD069010.D
Acq: 28 Apr 2021 18:02

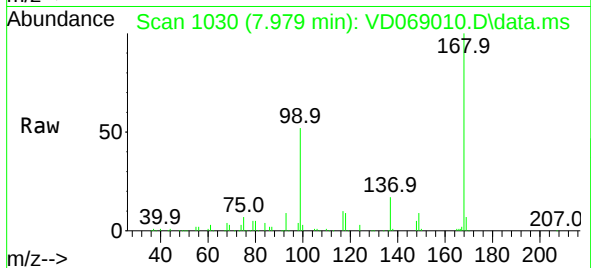
Tgt Ion: 43 Resp: 4934
Ion Ratio Lower Upper
43 100
61 7.5 14.2 21.4#
70 0.0 9.4 14.0#



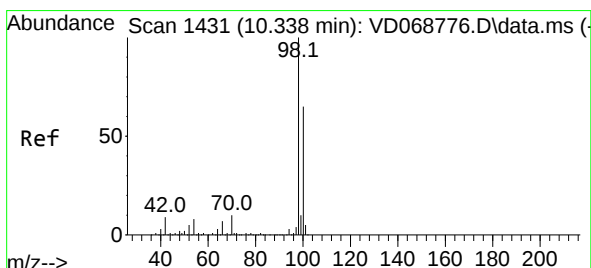
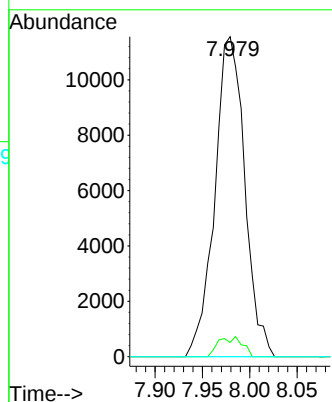
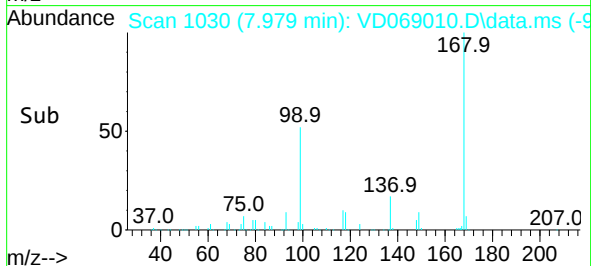


#38
Carbon Tetrachloride
Concen: 5.85 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069010.D
Acq: 28 Apr 2021 18:02

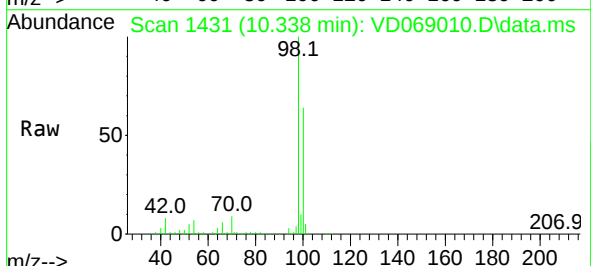
Instrument :
MSVOA_D
ClientSampleId :



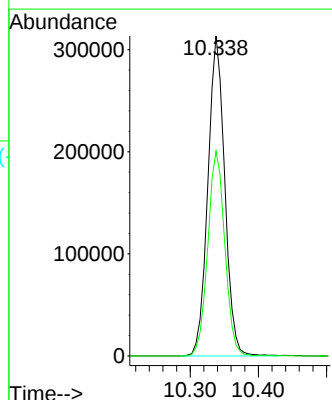
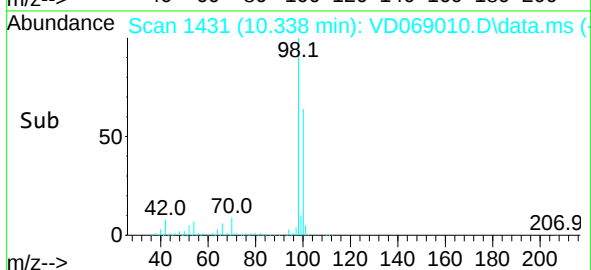
Tgt Ion:117 Resp: 25440
Ion Ratio Lower Upper
117 100
119 4.4 76.6 115.0#
121 0.0 26.1 39.1#

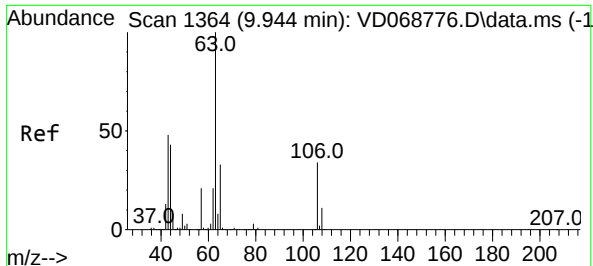


#50
Toluene-d8
Concen: 50.73 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069010.D
Acq: 28 Apr 2021 18:02



Tgt Ion: 98 Resp: 539956
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.6

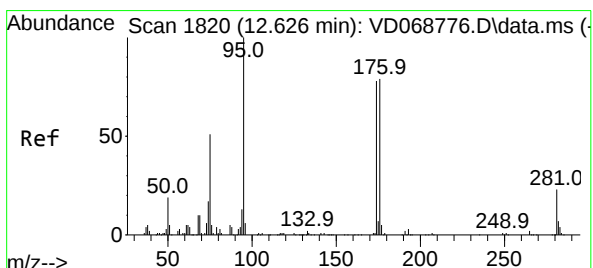
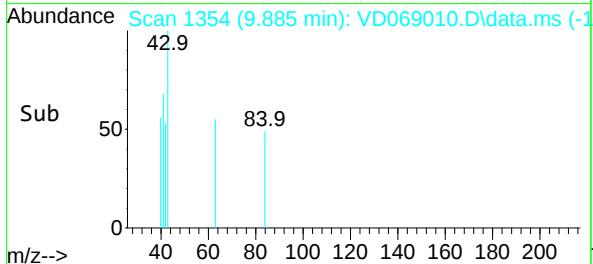
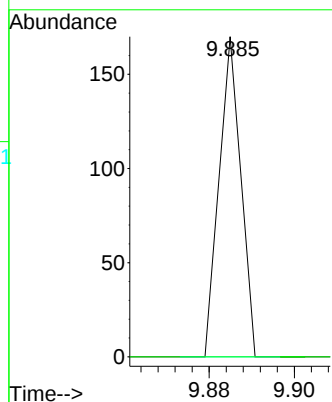
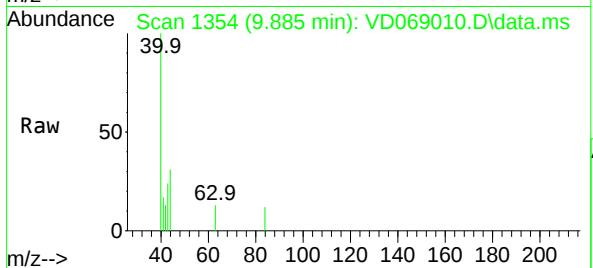




#58
2-Chloroethyl Vinyl ether
Concen: 17.03 ug/l
RT: 9.885 min Scan# 1354
Delta R.T. -0.059 min
Lab File: VD069010.D
Acq: 28 Apr 2021 18:02

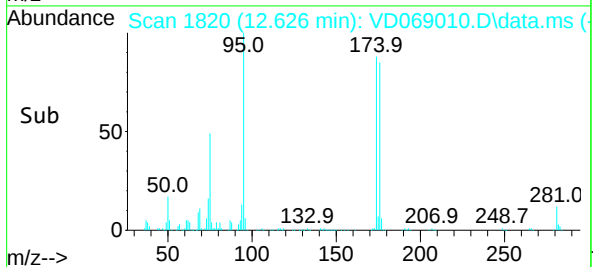
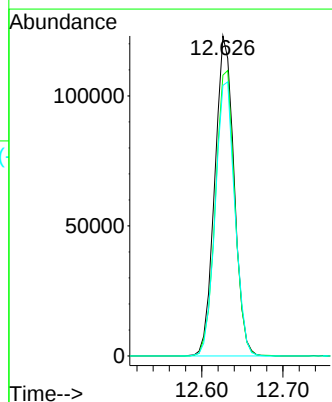
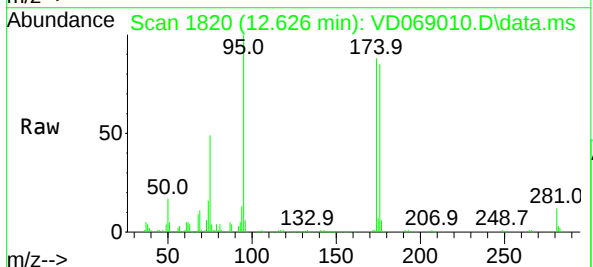
Instrument :
MSVOA_D
ClientSampleId :

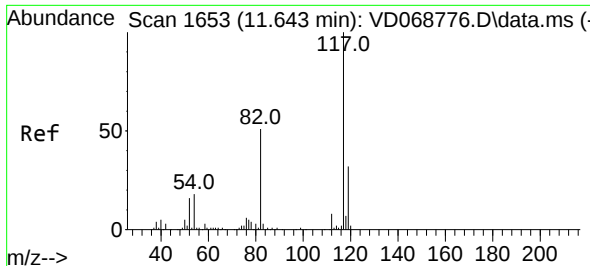
Tgt Ion: 63 Resp: 60
Ion Ratio Lower Upper
63 100
106 0.0 24.6 36.8#



#62
4-Bromofluorobenzene
Concen: 57.48 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069010.D
Acq: 28 Apr 2021 18:02

Tgt Ion: 95 Resp: 203198
Ion Ratio Lower Upper
95 100
174 89.3 0.0 168.0
176 86.5 0.0 160.2

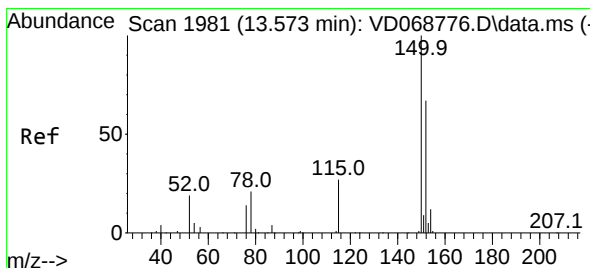
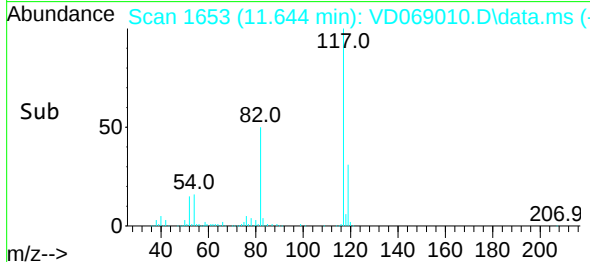
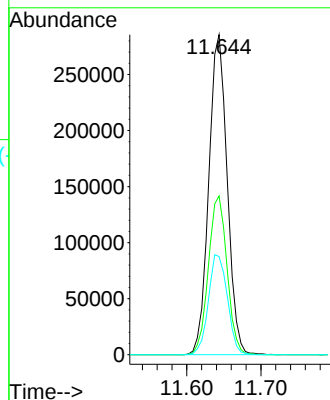
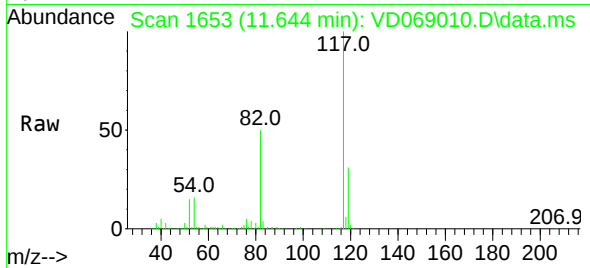




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.001 min
Lab File: VD069010.D
Acq: 28 Apr 2021 18:02

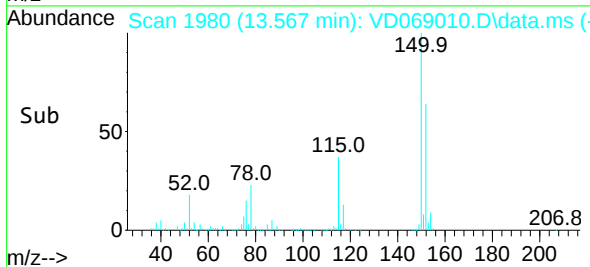
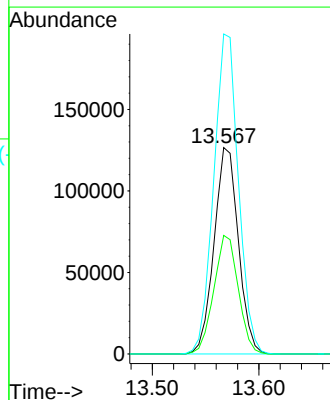
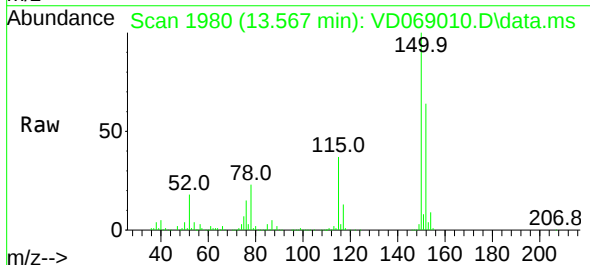
Instrument :
MSVOA_D
ClientSampleId :

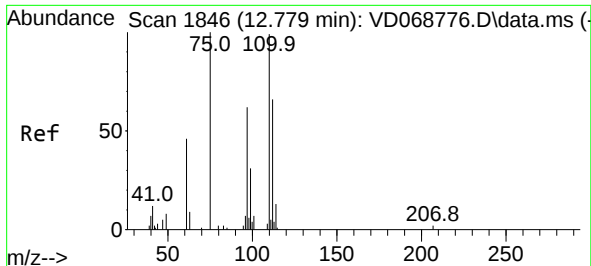
Tgt Ion:117 Resp: 493119
Ion Ratio Lower Upper
117 100
82 49.6 43.5 65.3
119 30.7 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD069010.D
Acq: 28 Apr 2021 18:02

Tgt Ion:152 Resp: 200246
Ion Ratio Lower Upper
152 100
115 57.8 29.3 87.8
150 157.5 0.0 347.6

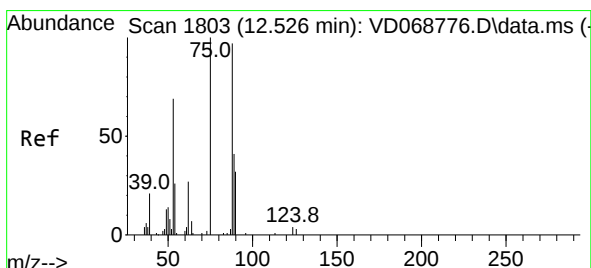
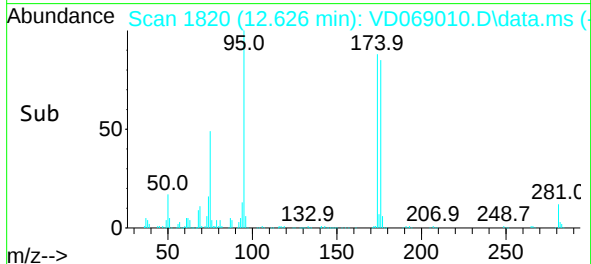
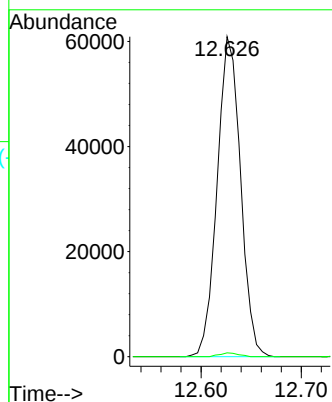
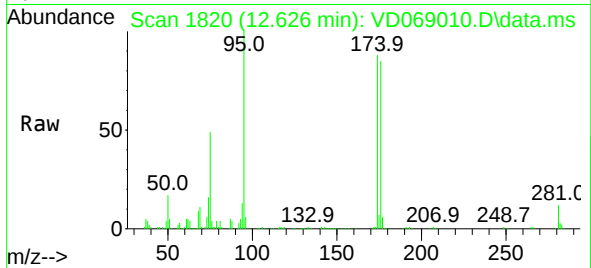




#76
1,2,3-Trichloropropane
Concen: 53.91 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069010.D
Acq: 28 Apr 2021 18:02

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 98626
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.12 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069010.D
Acq: 28 Apr 2021 18:02

Tgt Ion: 75 Resp: 98626
Ion Ratio Lower Upper
75 100
53 0.1 66.8 100.2#
89 0.0 36.6 54.8#

