

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042821\
 Data File : VD069004.D
 Acq On : 28 Apr 2021 15:11
 Operator : VA/SY
 Sample : M2199-02
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 29 06:32:15 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)

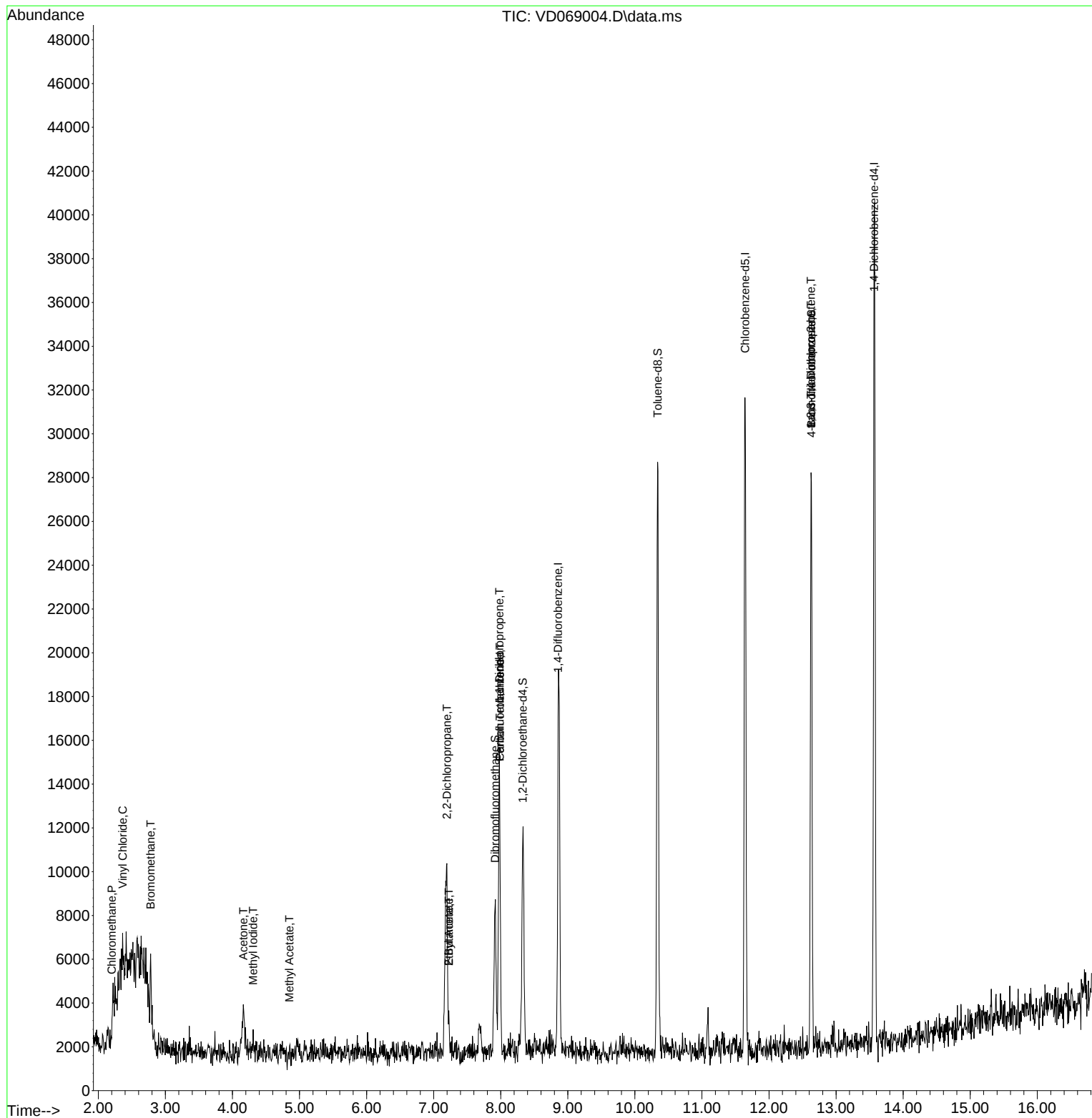
Internal Standards						
1) Pentafluorobenzene	7.985	168	10274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	18004	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.644	117	21025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	11692	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	7974	73.44	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 146.88%			
35) Dibromofluoromethane	7.914	113	5030	42.95	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 85.90%			
50) Toluene-d8	10.338	98	19743	44.69	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 89.38%			
62) 4-Bromofluorobenzene	12.632	95	9702	66.13	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 132.26%			
Target Compounds					Qvalue	
3) Chloromethane	2.203	50	305	2.55	ug/l #	41
4) Vinyl Chloride	2.362	62	201	1.34	ug/l #	41
5) Bromomethane	2.779	94	1792	15.94	ug/l #	75
10) Methyl Iodide	4.309	142	1060	10.35	ug/l #	56
11) Tert butyl alcohol	5.209	59	62	Below Cal	#	73
16) Acetone	4.162	43	3730	248.07	ug/l #	81
18) Methyl Acetate	4.850	43	65	1.57	ug/l #	43
20) Methylene Chloride	4.979	84	354	Below Cal	#	45
25) 2-Butanone	7.226	43	125	5.87	ug/l #	39
26) 2,2-Dichloropropane	7.197	77	315	1.82	ug/l #	51
36) 1,1-Dichloropropene	7.979	75	567	3.11	ug/l #	41
37) Ethyl Acetate	7.226	43	125	2.34	ug/l #	64
38) Carbon Tetrachloride	7.985	117	1134	6.29	ug/l #	12
76) 1,2,3-Trichloropropane	12.626	75	4200	39.32	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	4200	91.25	ug/l #	16

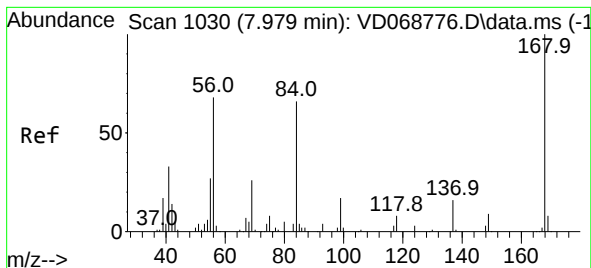
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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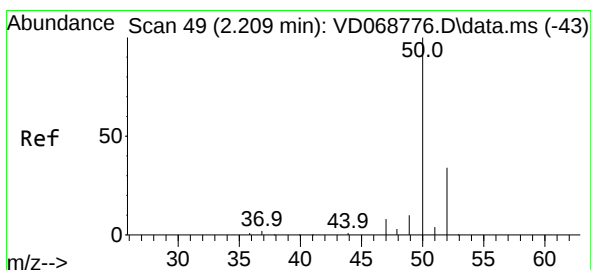
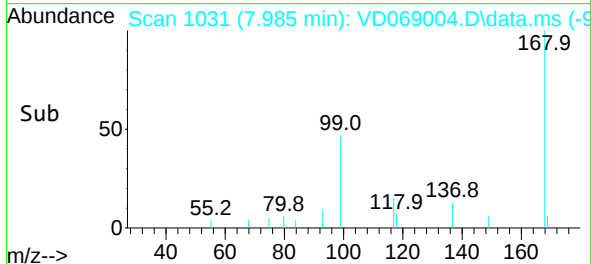
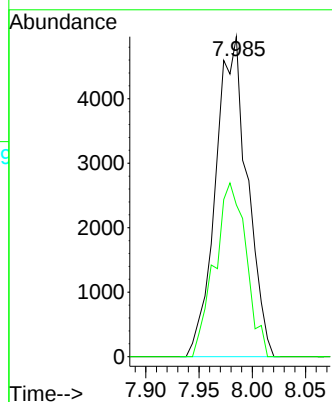
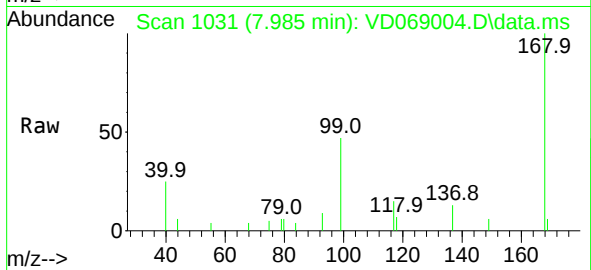




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD069004.D
Acq: 28 Apr 2021 15:11

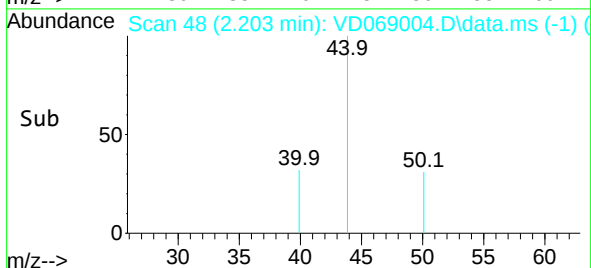
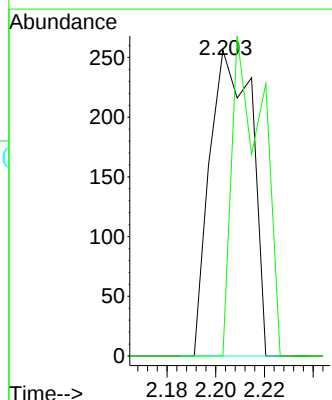
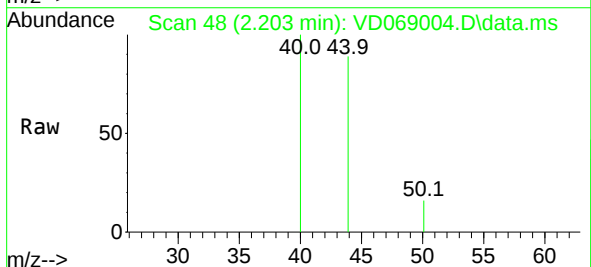
Instrument :
MSVOA_D
ClientSampled :

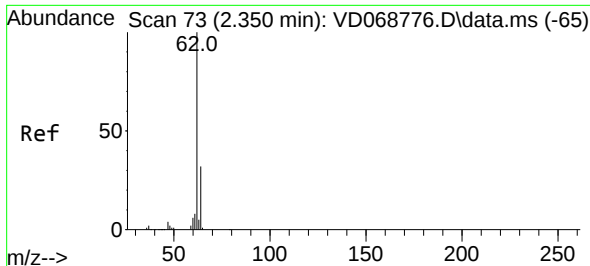
Tgt Ion:168 Resp: 10274
Ion Ratio Lower Upper
168 100
99 47.5 46.2 69.2



#3
Chloromethane
Concen: 2.55 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD069004.D
Acq: 28 Apr 2021 15:11

Tgt Ion: 50 Resp: 305
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

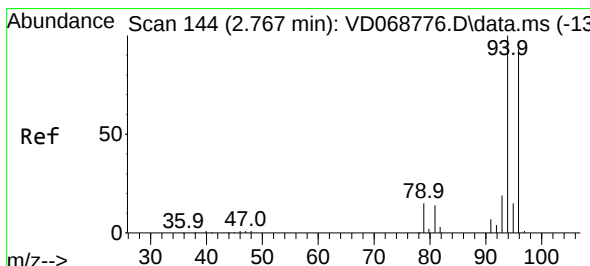
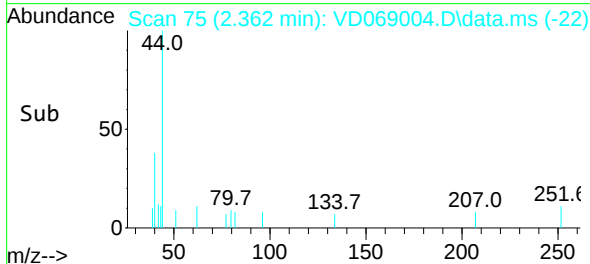
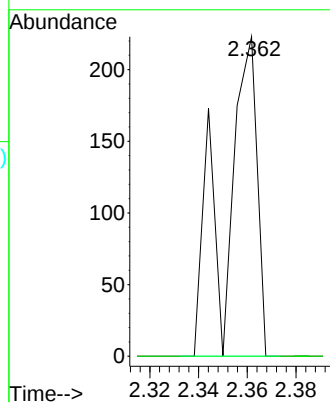
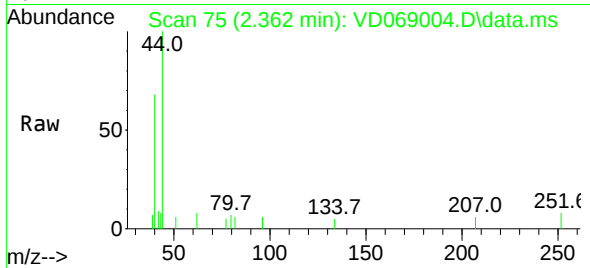




#4
 Vinyl Chloride
 Concen: 1.34 ug/l
 RT: 2.362 min Scan# 75
 Delta R.T. 0.012 min
 Lab File: VD069004.D
 Acq: 28 Apr 2021 15:11

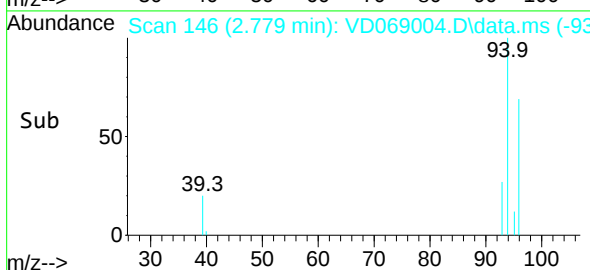
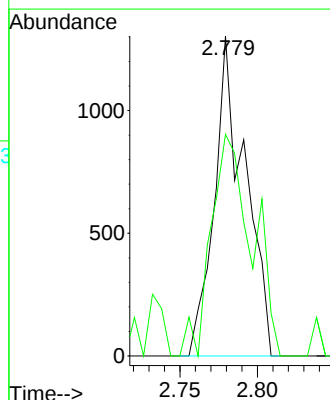
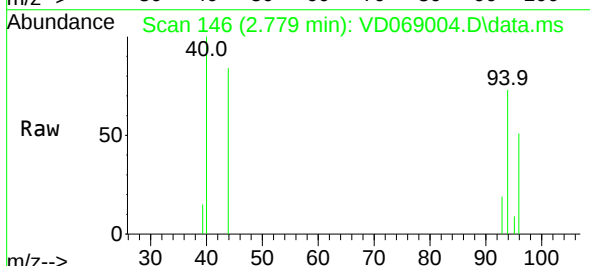
Instrument :
 MSVOA_D
 ClientSampled :

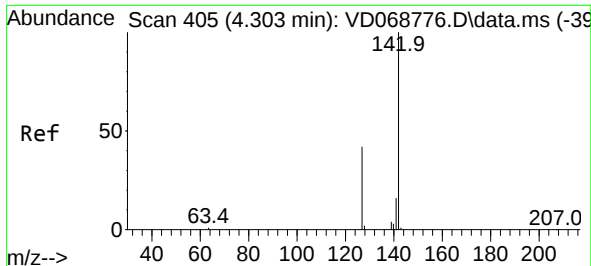
Tgt Ion: 62 Resp: 201
 Ion Ratio Lower Upper
 62 100
 64 0.0 27.1 40.7#



#5
 Bromomethane
 Concen: 15.94 ug/l
 RT: 2.779 min Scan# 146
 Delta R.T. 0.012 min
 Lab File: VD069004.D
 Acq: 28 Apr 2021 15:11

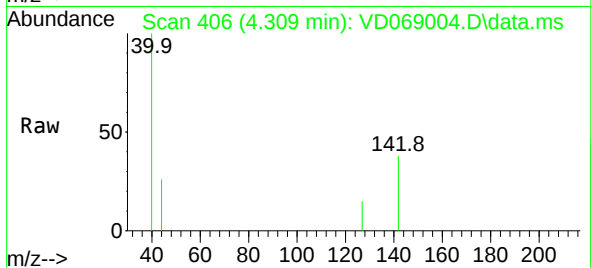
Tgt Ion: 94 Resp: 1792
 Ion Ratio Lower Upper
 94 100
 96 69.2 74.7 112.1#



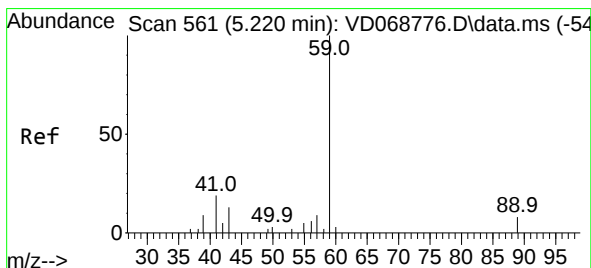
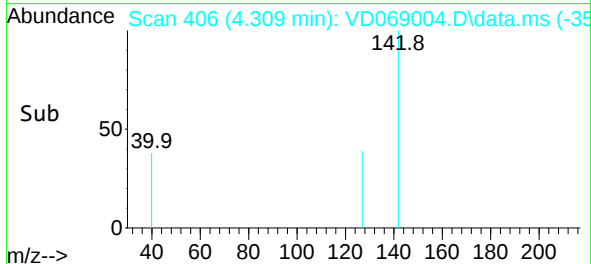
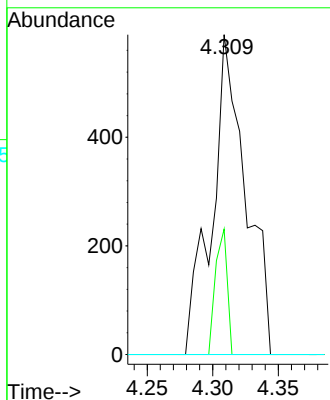


#10
Methyl Iodide
Concen: 10.35 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD069004.D
Acq: 28 Apr 2021 15:11

Instrument :
MSVOA_D
ClientSampled :

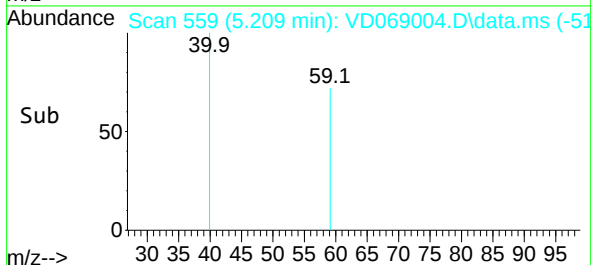
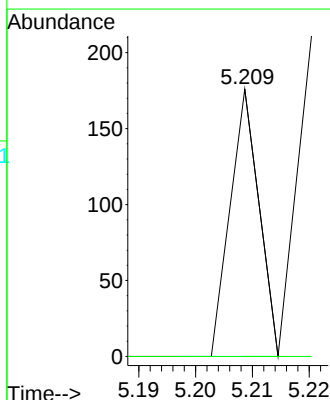
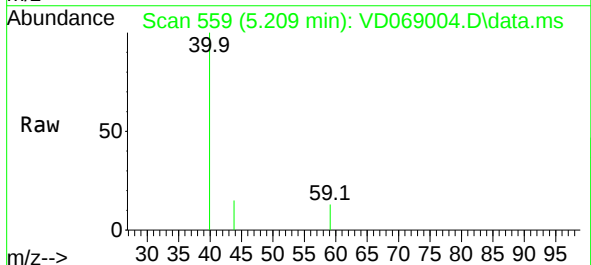


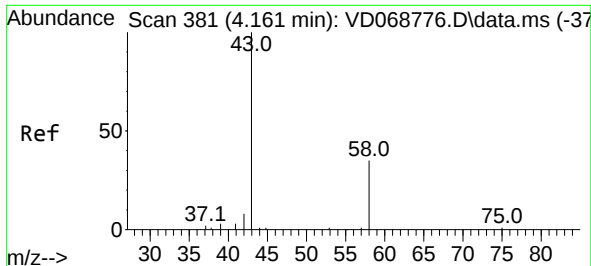
Tgt Ion:142 Resp: 1060
Ion Ratio Lower Upper
142 100
127 13.5 34.7 52.1#
141 0.0 11.0 16.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.011 min
Lab File: VD069004.D
Acq: 28 Apr 2021 15:11

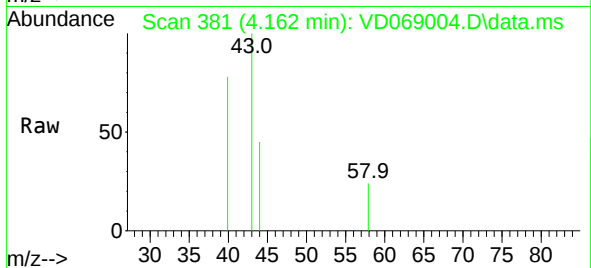
Tgt Ion: 59 Resp: 62
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



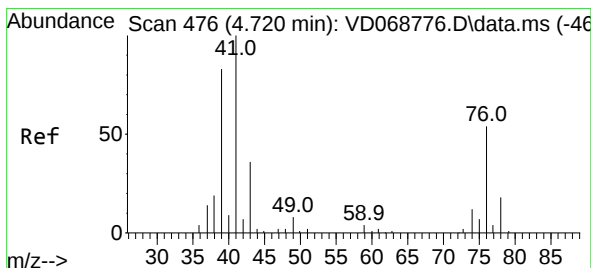
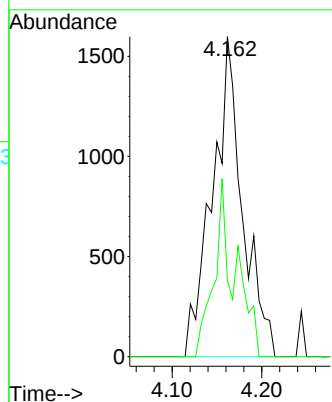
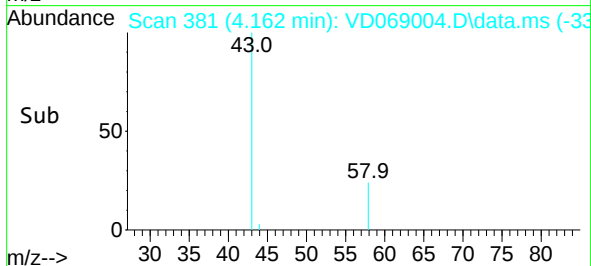


#16
Acetone
Concen: 248.07 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.001 min
Lab File: VD069004.D
Acq: 28 Apr 2021 15:11

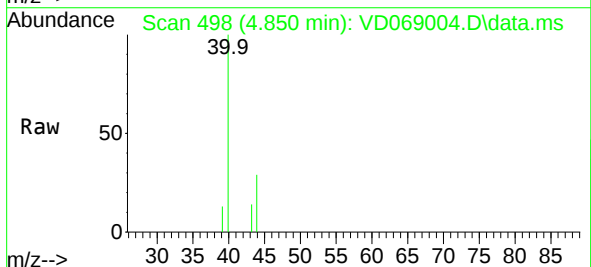
Instrument :
MSVOA_D
ClientSampled :



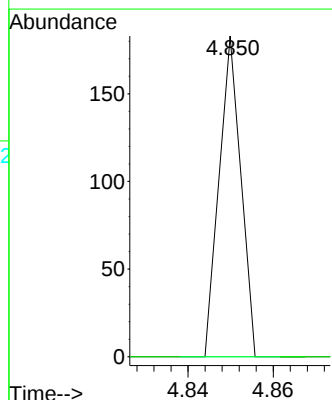
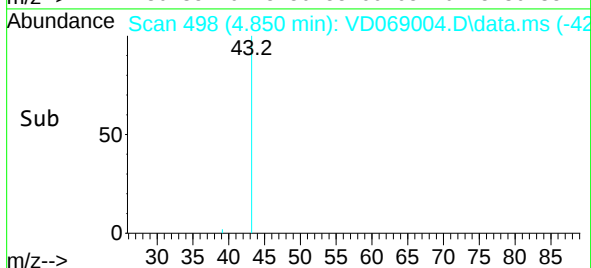
Tgt Ion: 43 Resp: 3730
Ion Ratio Lower Upper
43 100
58 23.8 28.0 42.0#

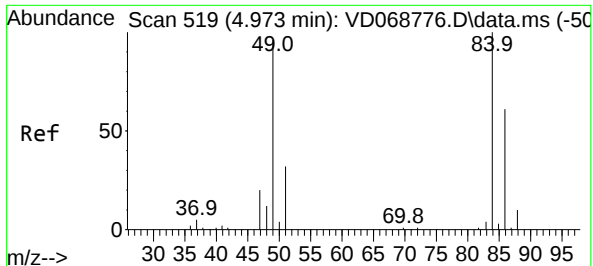


#18
Methyl Acetate
Concen: 1.57 ug/l
RT: 4.850 min Scan# 498
Delta R.T. 0.130 min
Lab File: VD069004.D
Acq: 28 Apr 2021 15:11



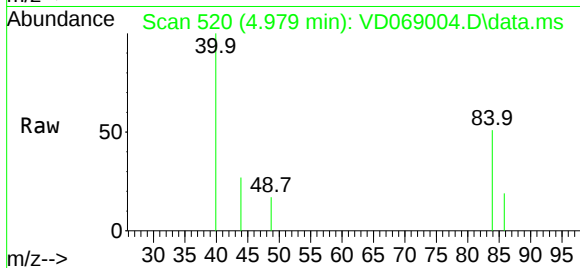
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
74 0.0 25.4 38.2#



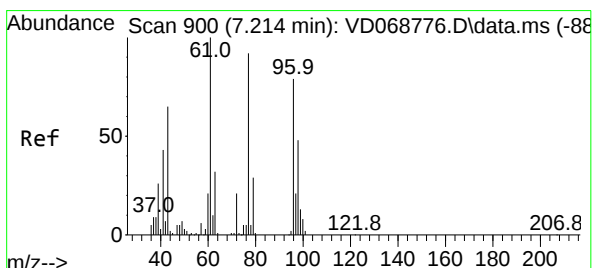
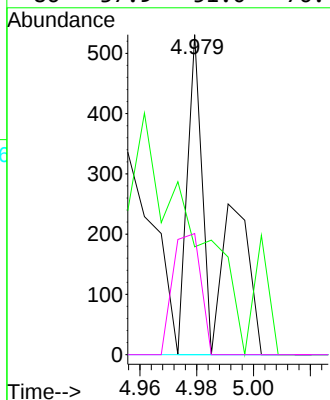
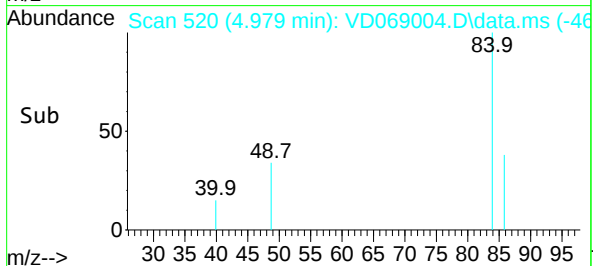


#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 520
Delta R.T. 0.006 min
Lab File: VD069004.D
Acq: 28 Apr 2021 15:11

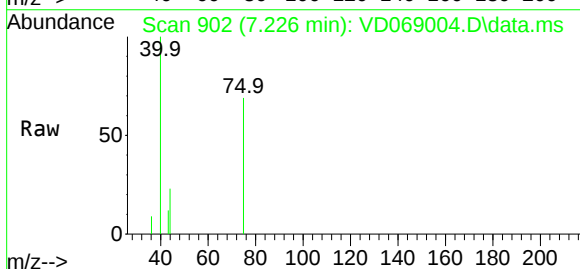
Instrument :
MSVOA_D
ClientSampled :



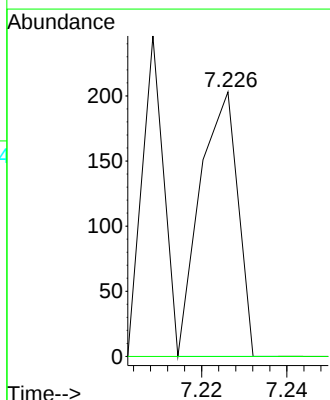
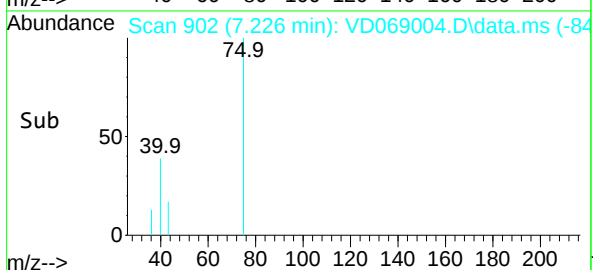
Tgt Ion:	84	Resp:	354
Ion	Ratio	Lower	Upper
84	100		
49	33.7	83.4	125.0#
51	0.0	23.4	35.2#
86	37.9	51.0	76.4#

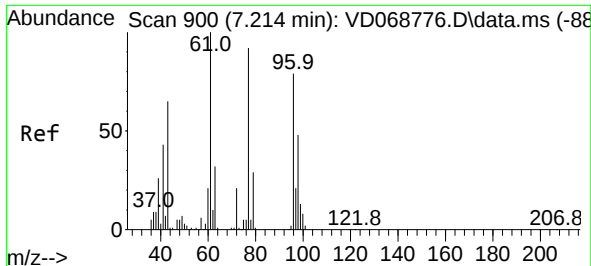


#25
2-Butanone
Concen: 5.87 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.012 min
Lab File: VD069004.D
Acq: 28 Apr 2021 15:11



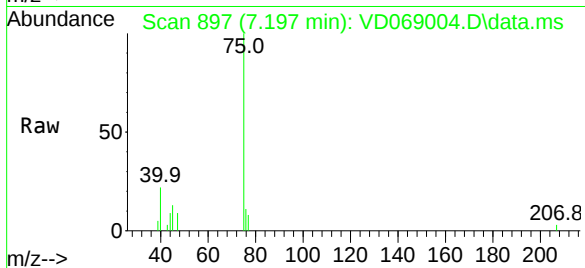
Tgt Ion:	43	Resp:	125
Ion	Ratio	Lower	Upper
43	100		
72	0.0	28.6	43.0#



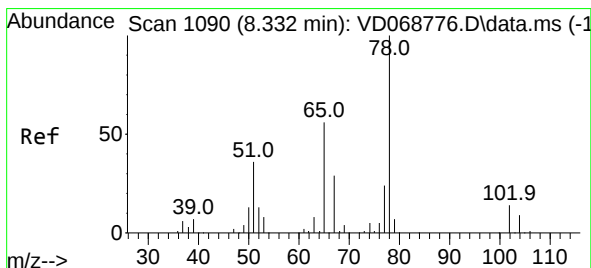
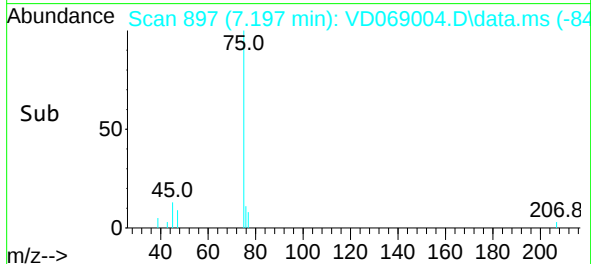
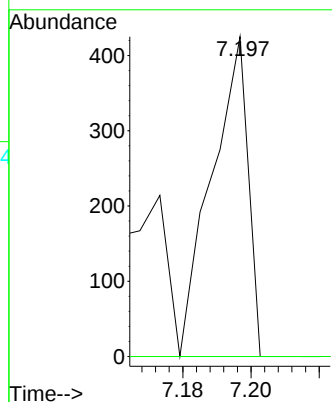


#26
2,2-Dichloropropane
Concen: 1.82 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.017 min
Lab File: VD069004.D
Acq: 28 Apr 2021 15:11

Instrument :
MSVOA_D
ClientSampled :

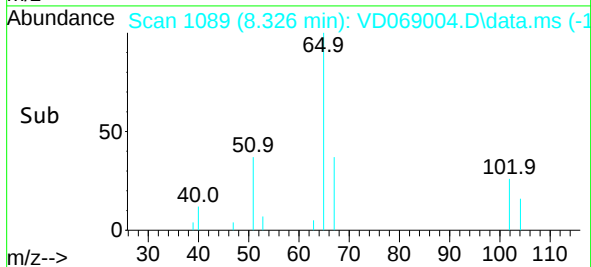
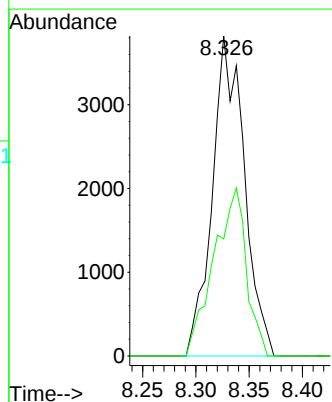
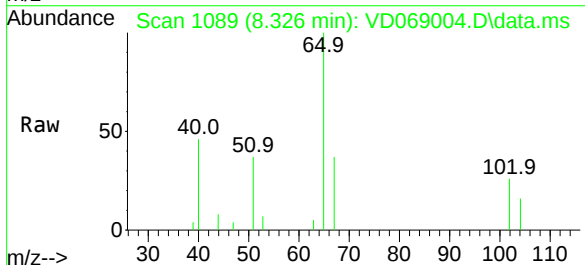


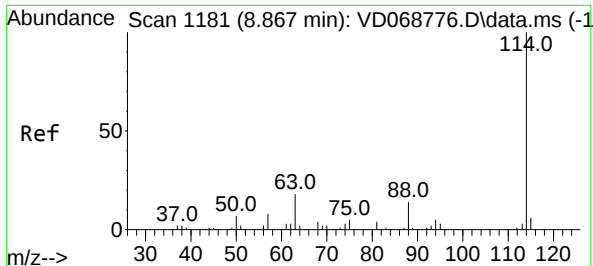
Tgt Ion: 77 Resp: 315
Ion Ratio Lower Upper
77 100
97 0.0 12.0 36.1#



#33
1,2-Dichloroethane-d4
Concen: 73.44 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069004.D
Acq: 28 Apr 2021 15:11

Tgt Ion: 65 Resp: 7974
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.856 min Scan# 1179

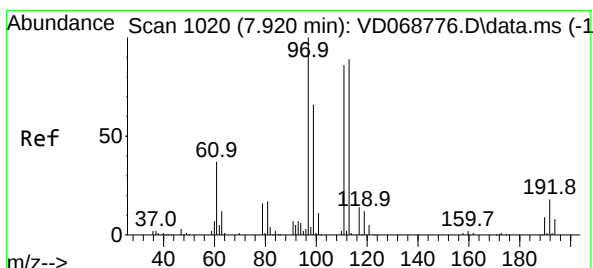
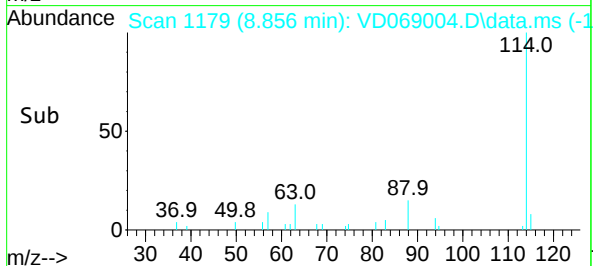
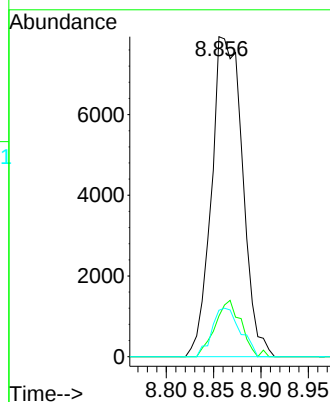
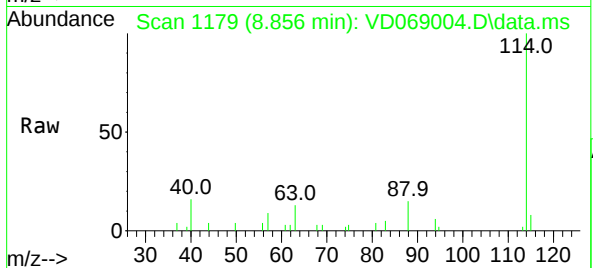
Delta R.T. -0.011 min

Lab File: VD069004.D

Acq: 28 Apr 2021 15:11

Tgt Ion:	114	Resp:	18004
Ion Ratio	Lower	Upper	
114	100		
63	12.7	0.0	38.2
88	14.5	0.0	29.4

Instrument :
MSVOA_D
ClientSampleId :



#35

Dibromofluoromethane

Concen: 42.95 ug/l

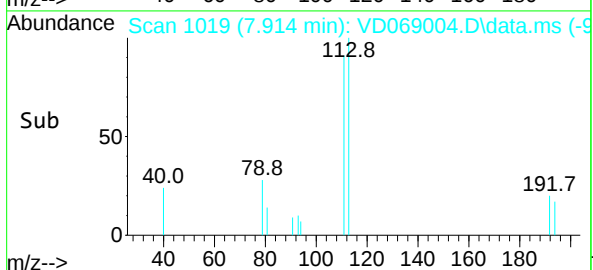
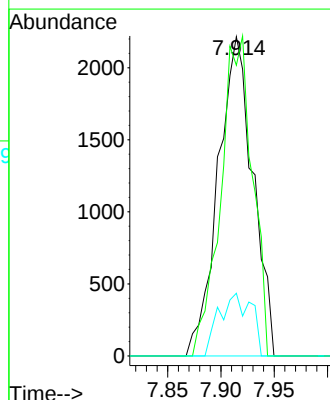
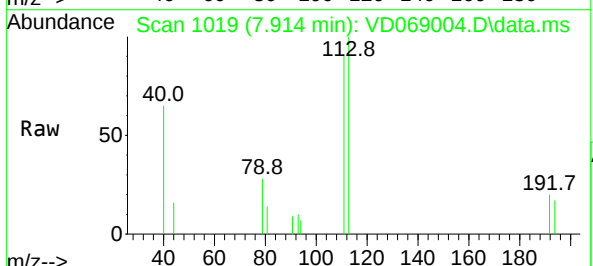
RT: 7.914 min Scan# 1019

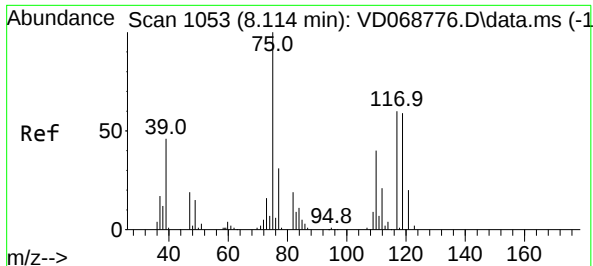
Delta R.T. -0.006 min

Lab File: VD069004.D

Acq: 28 Apr 2021 15:11

Tgt Ion:	113	Resp:	5030
Ion Ratio	Lower	Upper	
113	100		
111	91.4	82.5	123.7
192	18.1	15.1	22.7

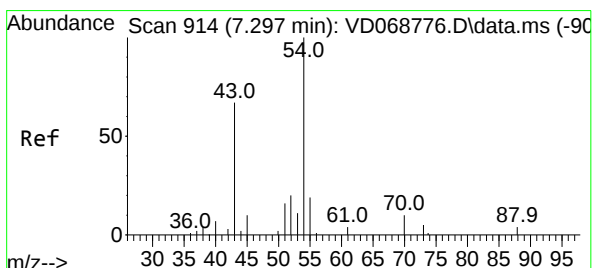
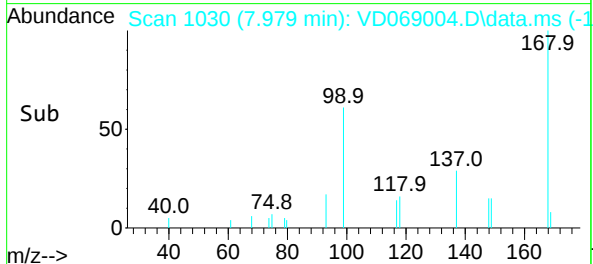
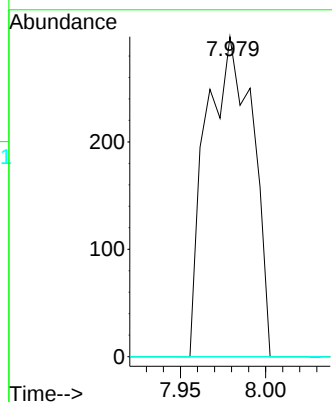
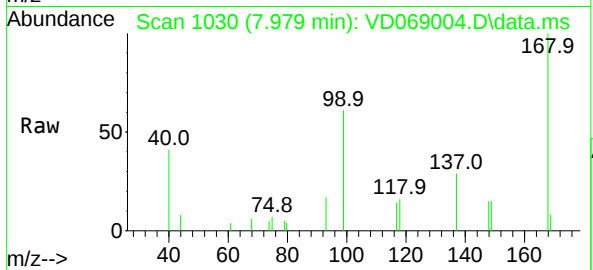




#36
1,1-Dichloropropene
Concen: 3.11 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD069004.D
Acq: 28 Apr 2021 15:11

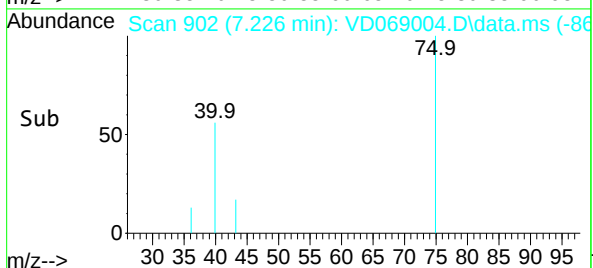
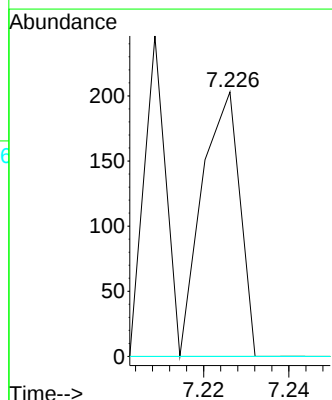
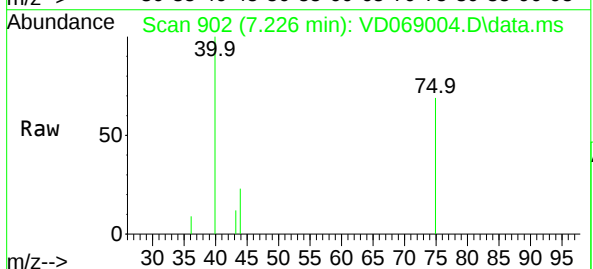
Instrument :
MSVOA_D
ClientSampled :

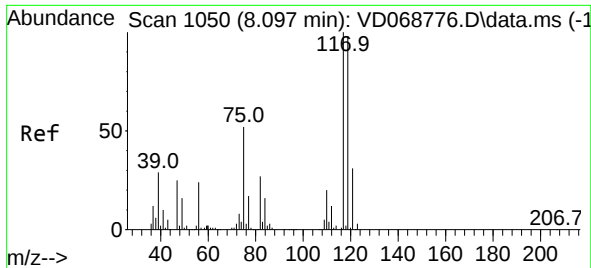
Tgt Ion: 75 Resp: 567
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.4#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 2.34 ug/l
RT: 7.226 min Scan# 902
Delta R.T. -0.071 min
Lab File: VD069004.D
Acq: 28 Apr 2021 15:11

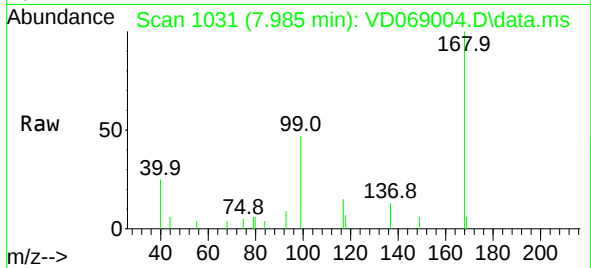
Tgt Ion: 43 Resp: 125
Ion Ratio Lower Upper
43 100
61 0.0 14.2 21.4#
70 0.0 9.4 14.0#



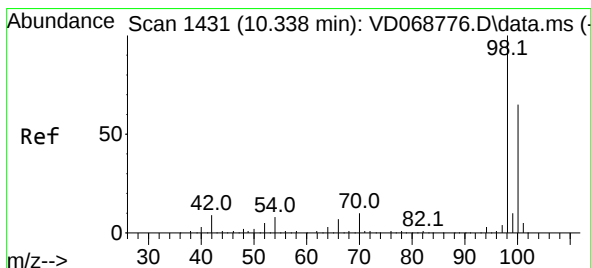
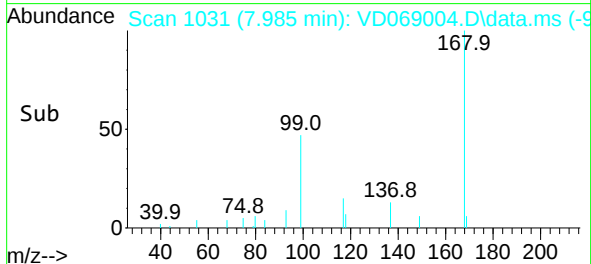
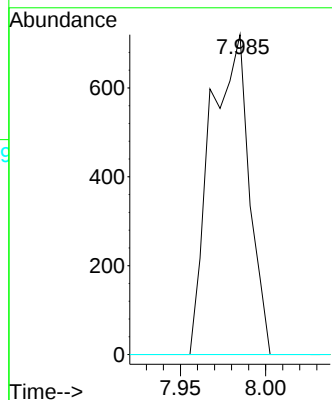


#38
Carbon Tetrachloride
Concen: 6.29 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD069004.D
Acq: 28 Apr 2021 15:11

Instrument :
MSVOA_D
ClientSampled :

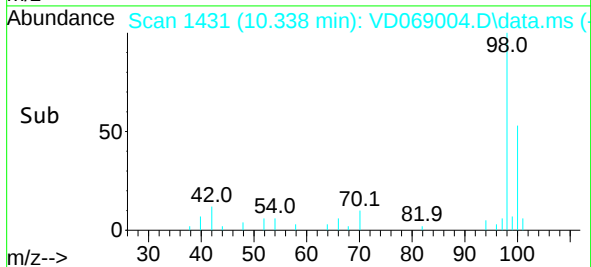
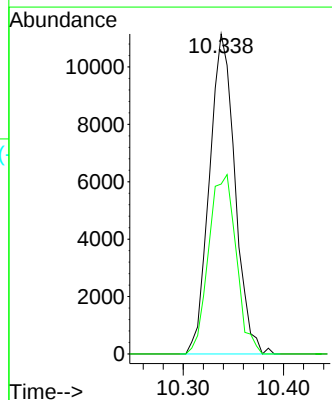
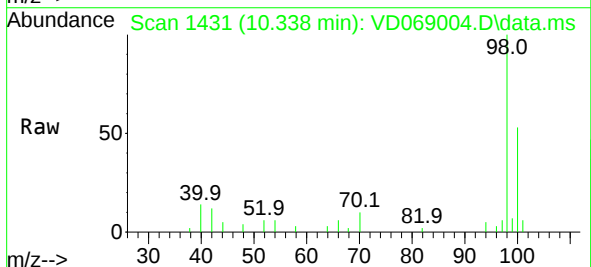


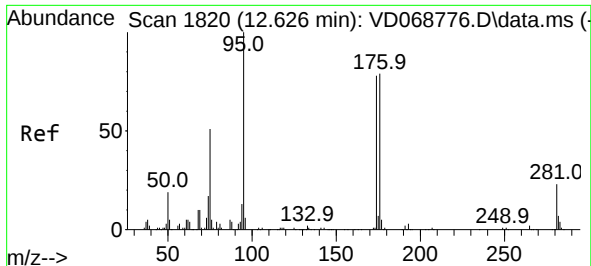
Tgt Ion:117 Resp: 1134
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 26.1 39.1#



#50
Toluene-d8
Concen: 44.69 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069004.D
Acq: 28 Apr 2021 15:11

Tgt Ion: 98 Resp: 19743
Ion Ratio Lower Upper
98 100
100 60.4 51.8 77.6

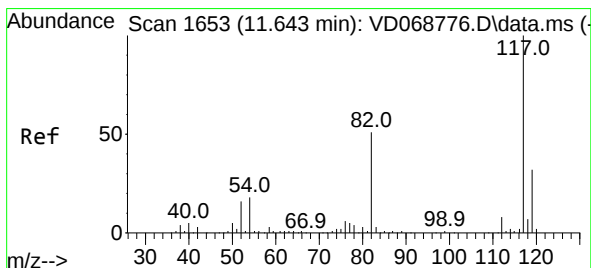
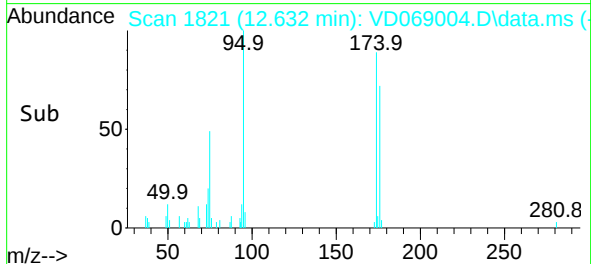
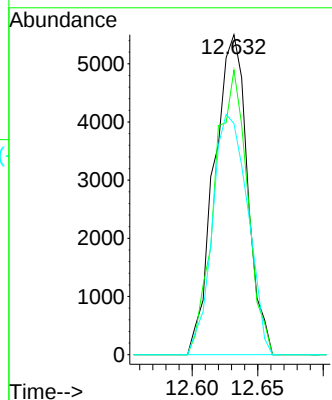
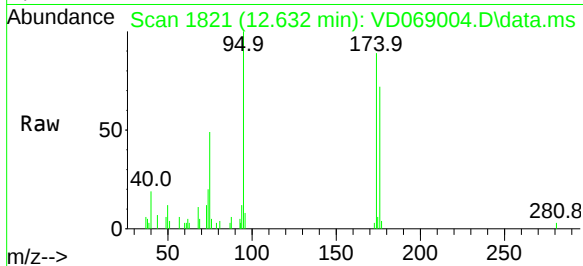




#62
4-Bromofluorobenzene
Concen: 66.13 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD069004.D
Acq: 28 Apr 2021 15:11

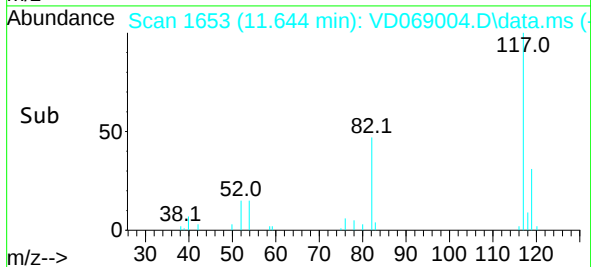
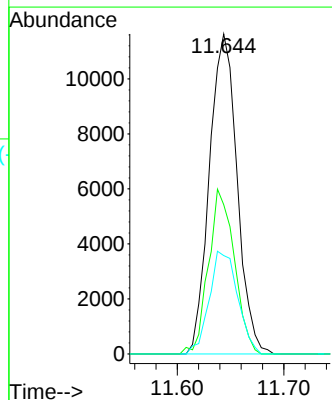
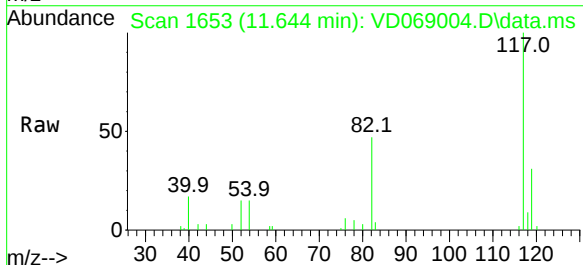
Instrument :
MSVOA_D
ClientSampleId :

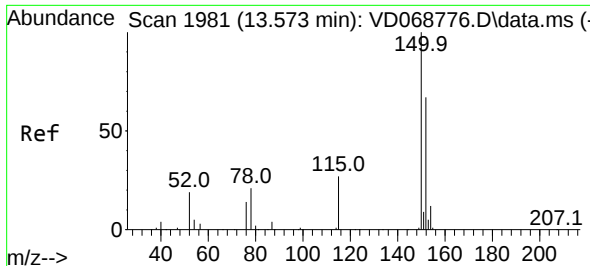
Tgt Ion: 95 Resp: 9702
Ion Ratio Lower Upper
95 100
174 87.6 0.0 168.0
176 79.6 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.001 min
Lab File: VD069004.D
Acq: 28 Apr 2021 15:11

Tgt Ion: 117 Resp: 21025
Ion Ratio Lower Upper
117 100
82 46.7 43.5 65.3
119 30.7 26.7 40.1

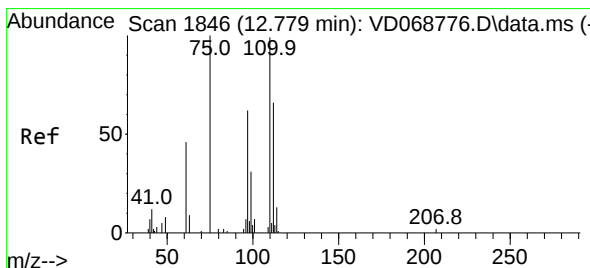
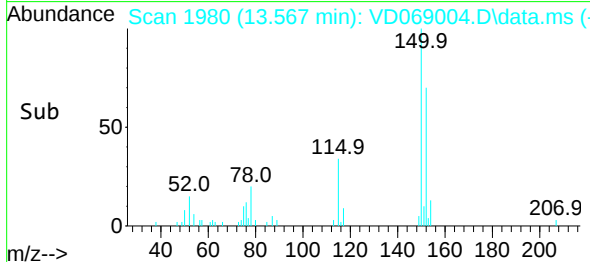
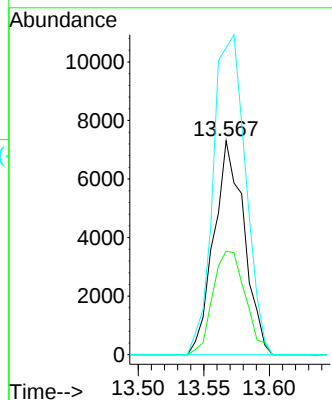
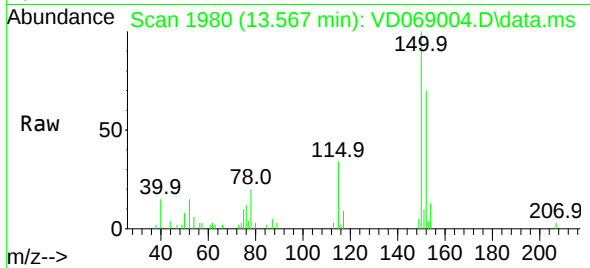




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD069004.D
Acq: 28 Apr 2021 15:11

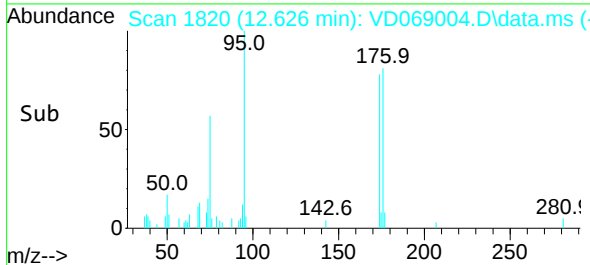
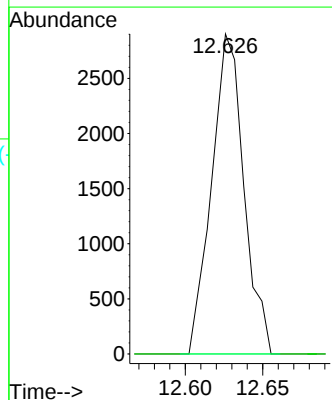
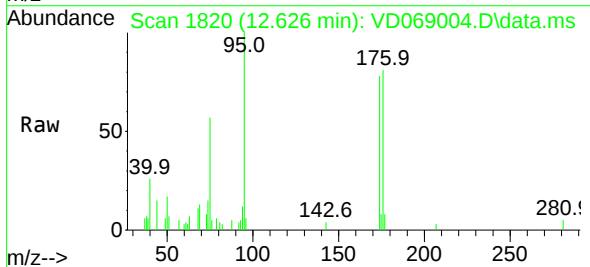
Instrument :
MSVOA_D
ClientSampled :

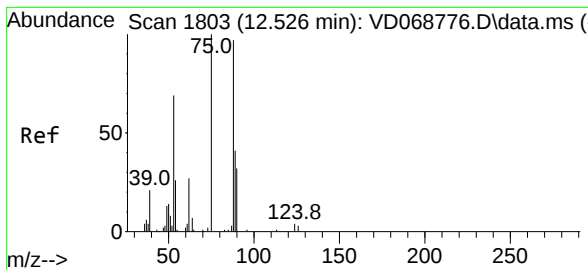
Tgt Ion:152 Resp: 11692
Ion Ratio Lower Upper
152 100
115 52.3 29.3 87.8
150 160.7 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 39.32 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069004.D
Acq: 28 Apr 2021 15:11

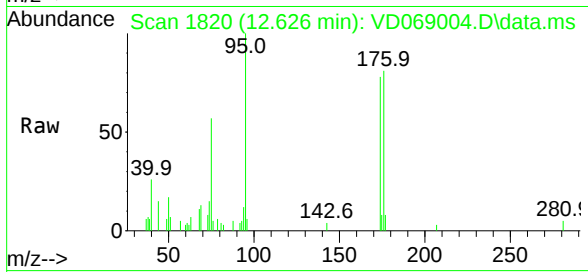
Tgt Ion: 75 Resp: 4200
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.25 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.100 min
 Lab File: VD069004.D
 Acq: 28 Apr 2021 15:11

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	4200
Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.0	36.6	54.8#

