

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032621\
 Data File : VD068691.D
 Acq On : 26 Mar 2021 18:25
 Operator : VA/SY
 Sample : M1832-03
 Misc : 6.65G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 IG003

Quant Time: Mar 27 00:45:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:00:55 2021
 Response via : Initial Calibration

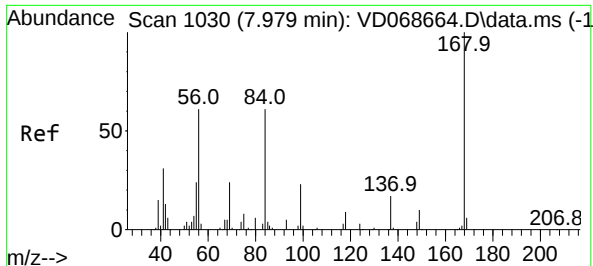
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	271810	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	542152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	504570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	202533	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	160373	58.51	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.02%			
35) Dibromofluoromethane	7.914	113	183119	54.29	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.58%			
50) Toluene-d8	10.344	98	663037	50.98	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.96%			
62) 4-Bromofluorobenzene	12.632	95	221742	52.59	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.18%			
Target Compounds					Qvalue	
16) Acetone	4.156	43	732	2.20	ug/l #	40
20) Methylene Chloride	4.968	84	5561	Below Cal	#	85
31) Cyclohexane	7.973	56	5076	1.15	ug/l #	1
36) 1,1-Dichloropropene	7.985	75	20974	4.33	ug/l #	44
38) Carbon Tetrachloride	7.979	117	26154	5.41	ug/l #	18
51) 4-Methyl-2-Pentanone	10.344	43	2288	1.50	ug/l #	1
71) Bromoform	12.632	173	1962	1.04	ug/l #	1
76) 1,2,3-Trichloropropane	12.632	75	113902	67.57	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	113902	153.73	ug/l #	16

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

Quant Time: Mar 27 00:45:41 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 20 02:00:55 2021
Response via : Initial Calibration

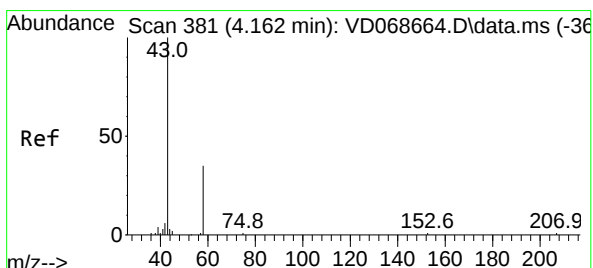
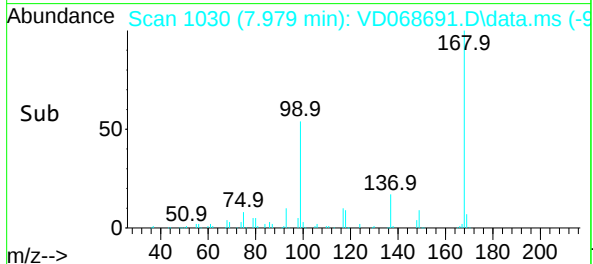
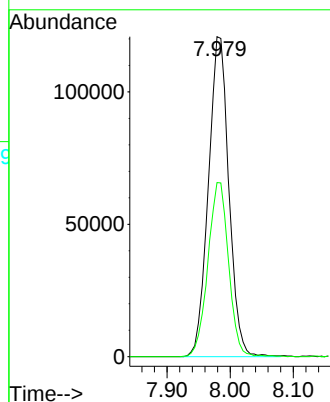
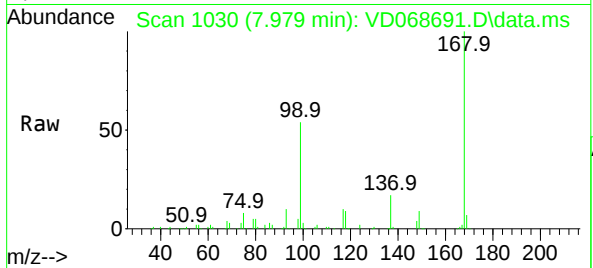




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD068691.D
Acq: 26 Mar 2021 18:25

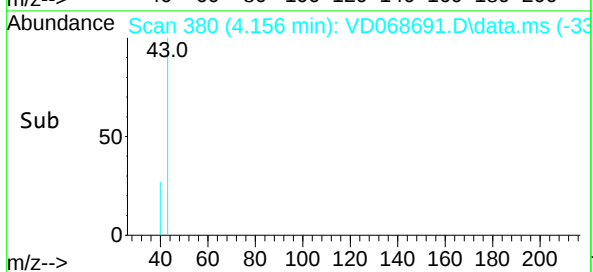
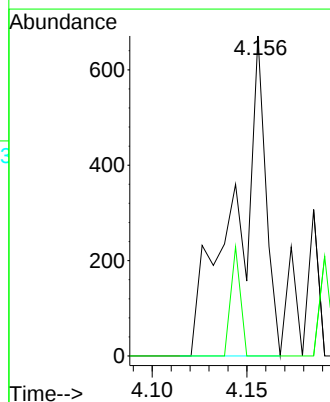
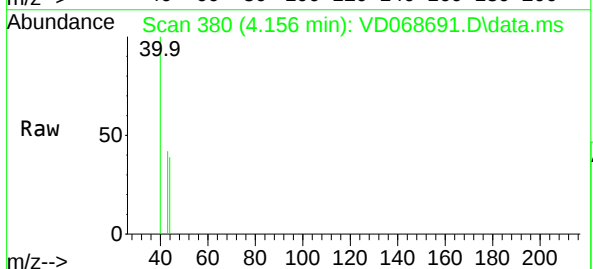
Instrument :
MSVOA_D
ClientSampleId :
IG003

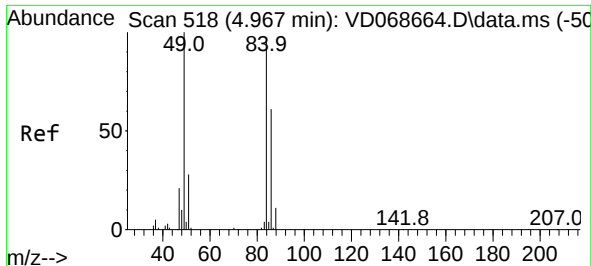
Tgt Ion:168 Resp: 271810
Ion Ratio Lower Upper
168 100
99 54.4 46.2 69.2



#16
Acetone
Concen: 2.20 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068691.D
Acq: 26 Mar 2021 18:25

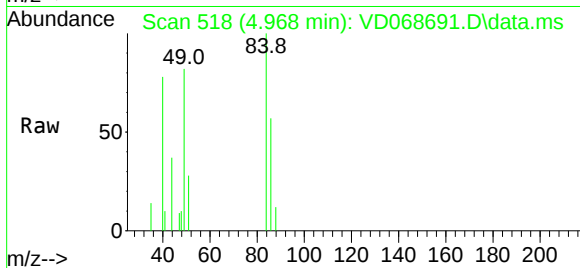
Tgt Ion: 43 Resp: 732
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



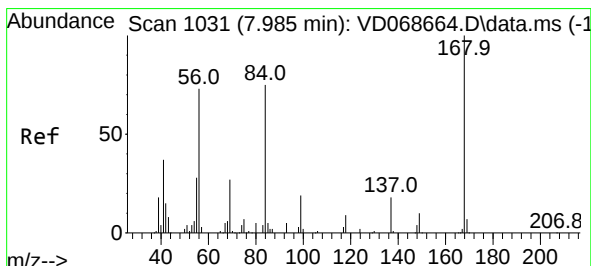
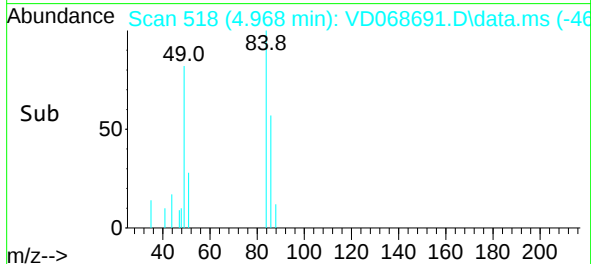
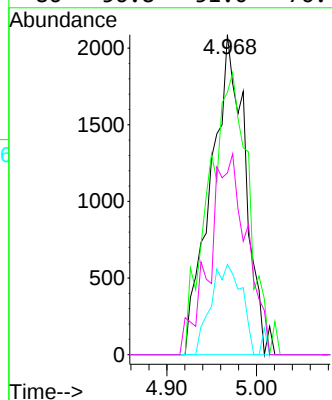


#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.001 min
Lab File: VD068691.D
Acq: 26 Mar 2021 18:25

Instrument :
MSVOA_D
ClientSampleId :
IG003

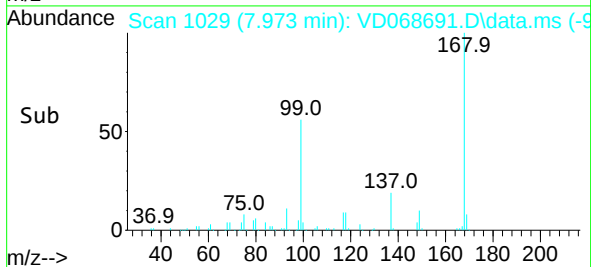
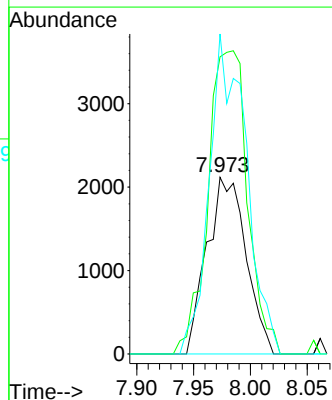
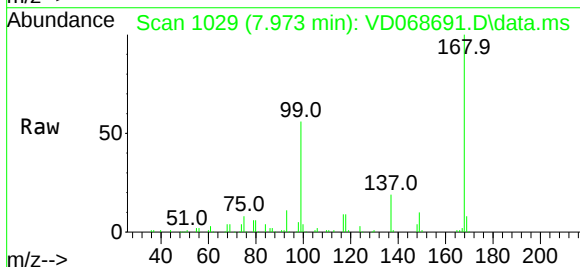


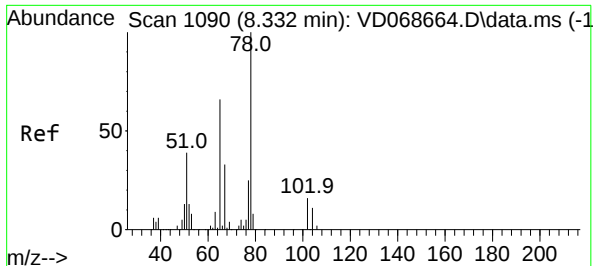
Tgt Ion:	84	Resp:	5561
Ion	Ratio	Lower	Upper
84	100		
49	82.0	83.4	125.0#
51	28.2	23.4	35.2
86	56.8	51.0	76.4



#31
Cyclohexane
Concen: 1.15 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD068691.D
Acq: 26 Mar 2021 18:25

Tgt Ion:	56	Resp:	5076
Ion	Ratio	Lower	Upper
56	100		
69	168.1	30.0	45.0#
84	181.1	82.0	123.0#

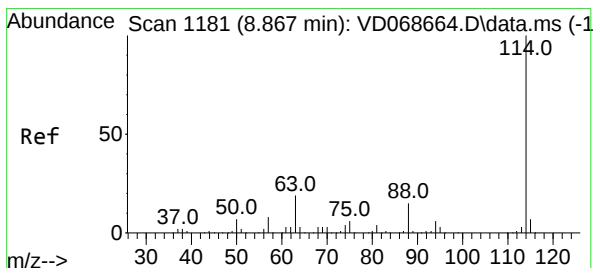
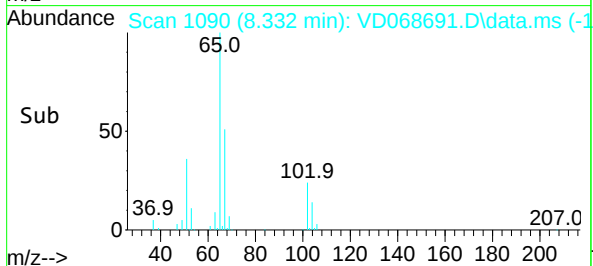
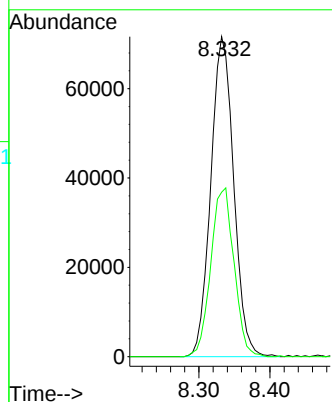
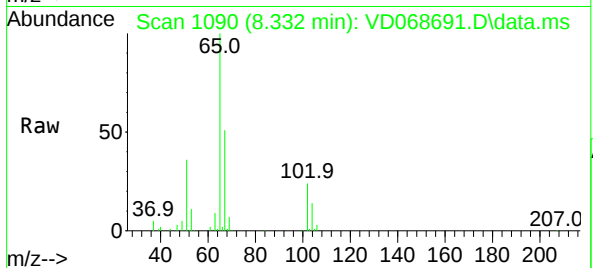




#33
1,2-Dichloroethane-d4
Concen: 58.51 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068691.D
Acq: 26 Mar 2021 18:25

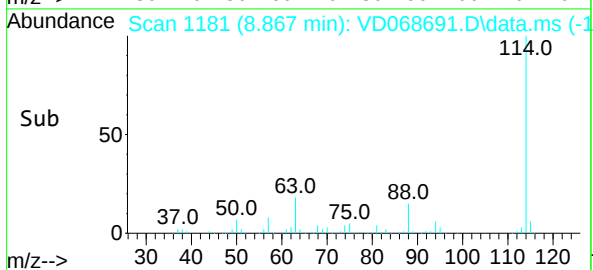
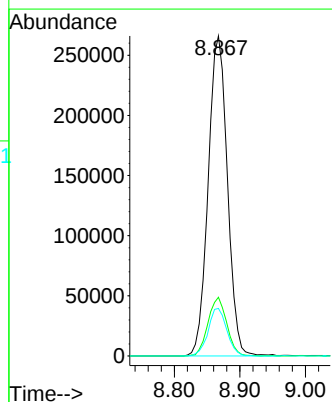
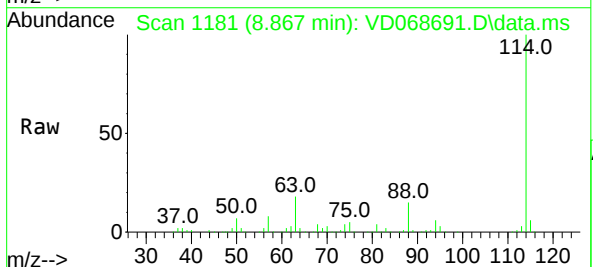
Instrument :
MSVOA_D
ClientSampleId :
IG003

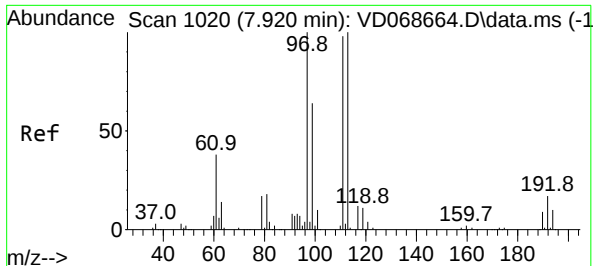
Tgt Ion: 65 Resp: 160373
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068691.D
Acq: 26 Mar 2021 18:25

Tgt Ion:114 Resp: 542152
Ion Ratio Lower Upper
114 100
63 18.3 0.0 38.2
88 14.8 0.0 29.4





#35

Dibromofluoromethane

Concen: 54.29 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD068691.D

Acq: 26 Mar 2021 18:25

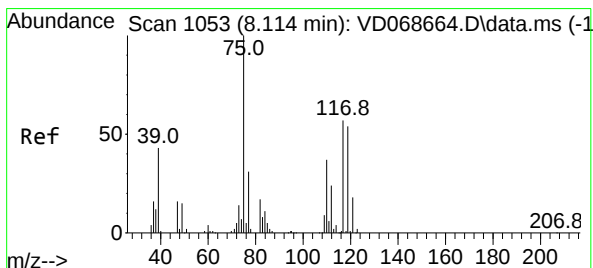
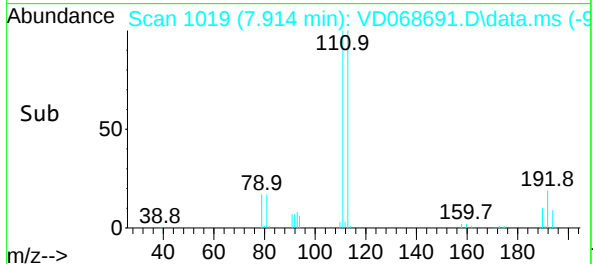
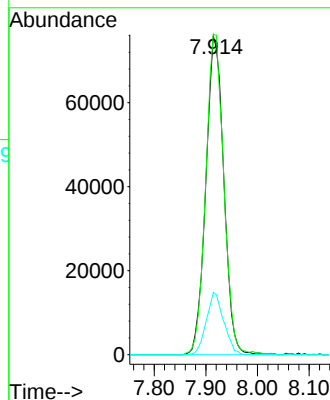
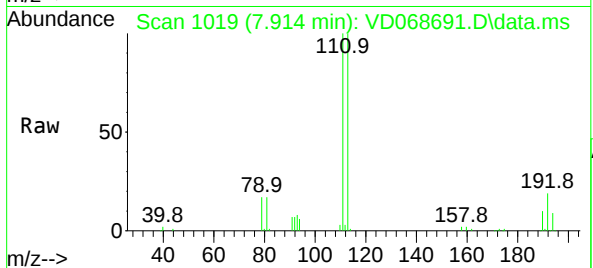
Tgt Ion:113 Resp: 183119

Ion Ratio Lower Upper

113 100

111 101.0 82.5 123.7

192 18.9 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.33 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.129 min

Lab File: VD068691.D

Acq: 26 Mar 2021 18:25

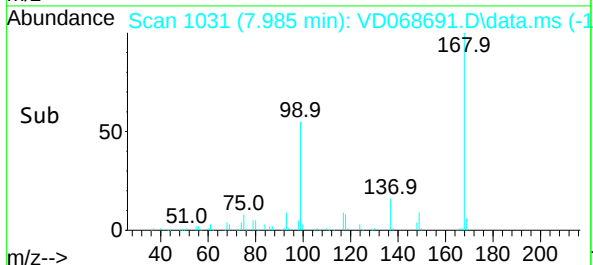
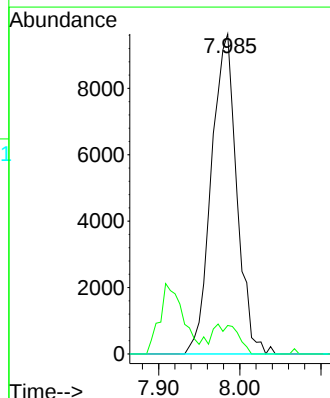
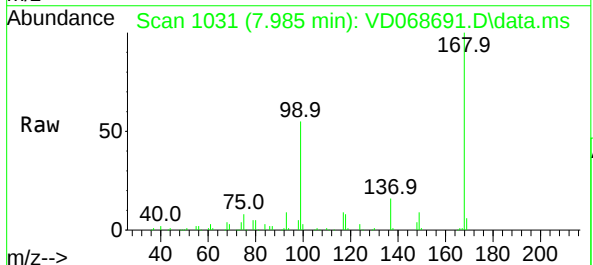
Tgt Ion: 75 Resp: 20974

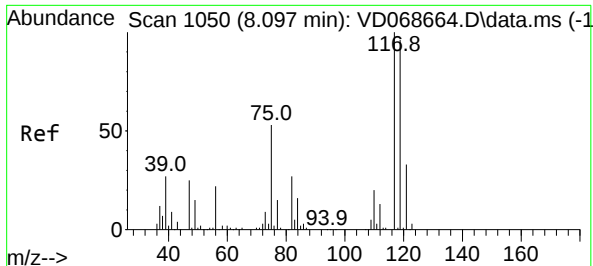
Ion Ratio Lower Upper

75 100

110 2.9 18.1 54.4#

77 0.0 24.7 37.1#

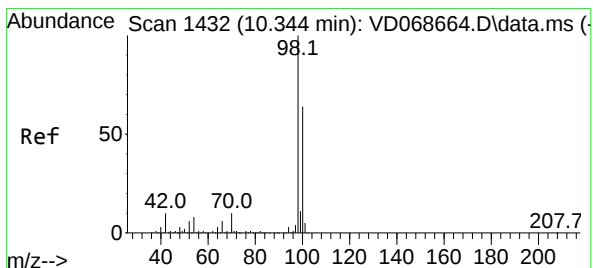
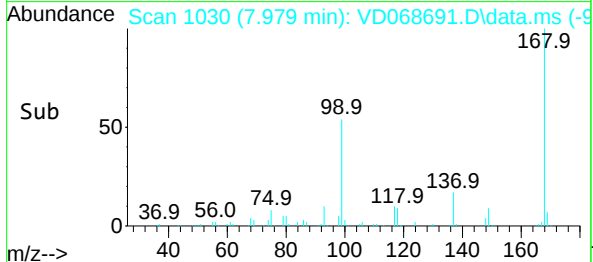
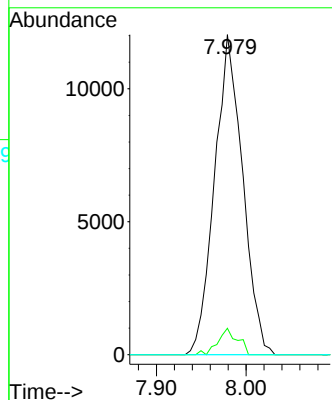
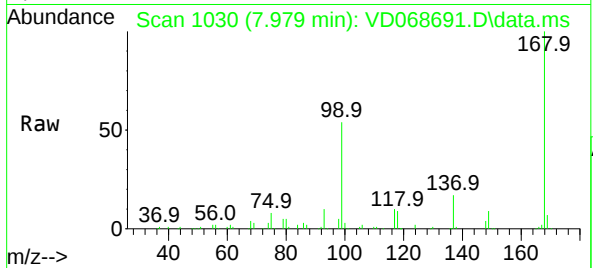




#38
Carbon Tetrachloride
Concen: 5.41 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD068691.D
Acq: 26 Mar 2021 18:25

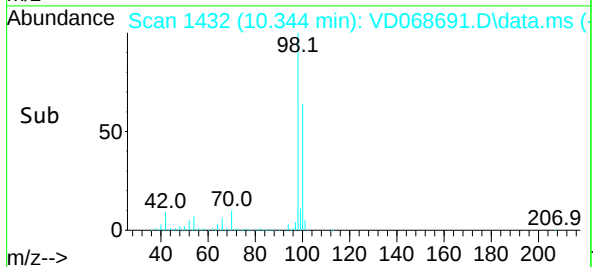
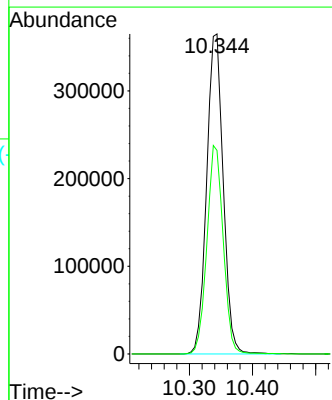
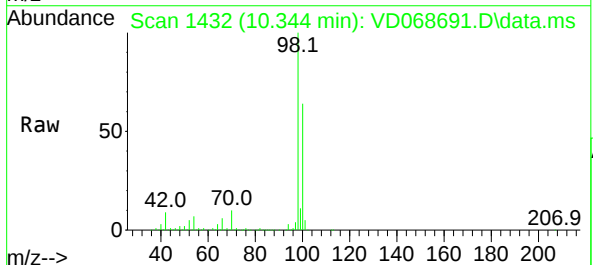
Instrument :
MSVOA_D
ClientSampled :
IG003

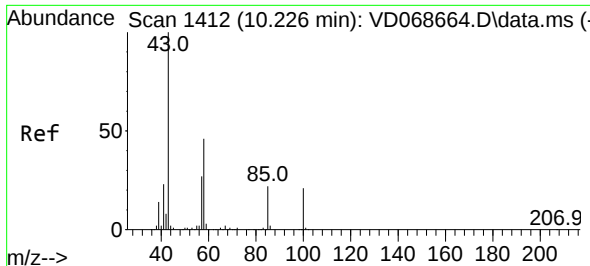
Tgt Ion:117 Resp: 26154
Ion Ratio Lower Upper
117 100
119 8.3 76.6 115.0#
121 0.0 26.1 39.1#



#50
Toluene-d8
Concen: 50.98 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068691.D
Acq: 26 Mar 2021 18:25

Tgt Ion: 98 Resp: 663037
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.6

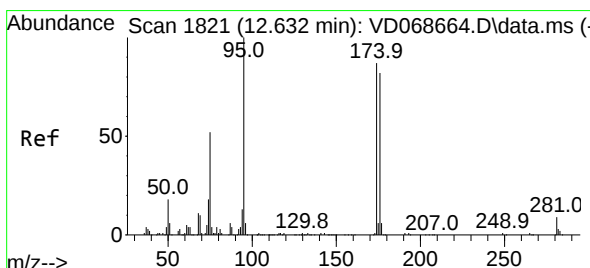
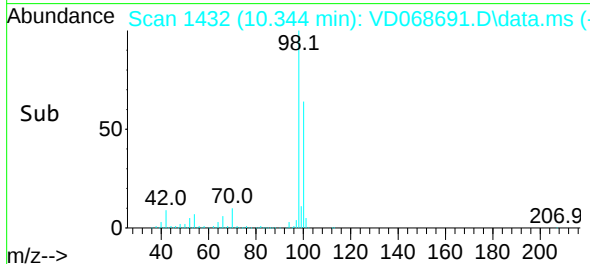
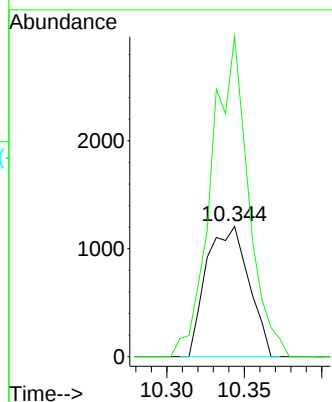
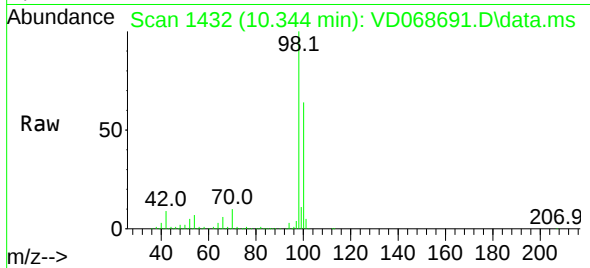




#51
4-Methyl-2-Pentanone
Concen: 1.50 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.118 min
Lab File: VD068691.D
Acq: 26 Mar 2021 18:25

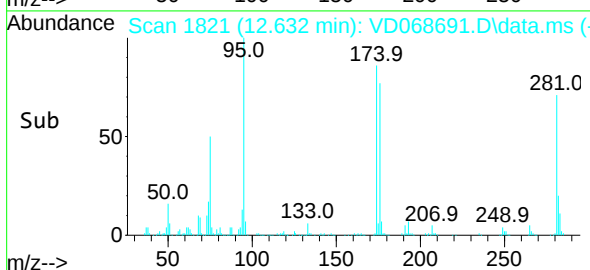
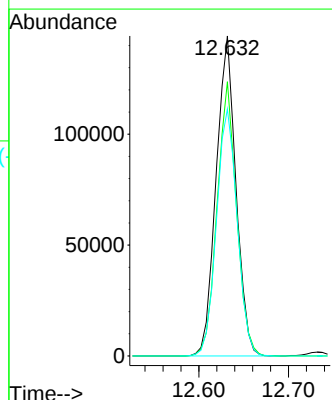
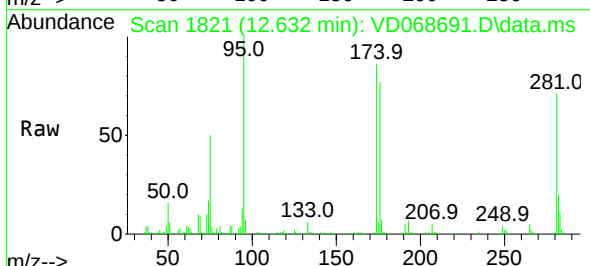
Instrument :
MSVOA_D
ClientSampleId :
IG003

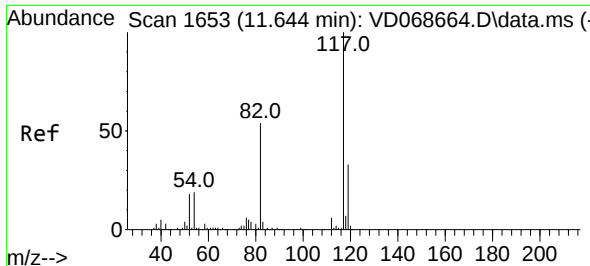
Tgt Ion: 43 Resp: 2288
Ion Ratio Lower Upper
43 100
58 214.7 37.3 55.9#



#62
4-Bromofluorobenzene
Concen: 52.59 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068691.D
Acq: 26 Mar 2021 18:25

Tgt Ion: 95 Resp: 221742
Ion Ratio Lower Upper
95 100
174 83.9 0.0 168.0
176 80.2 0.0 160.2

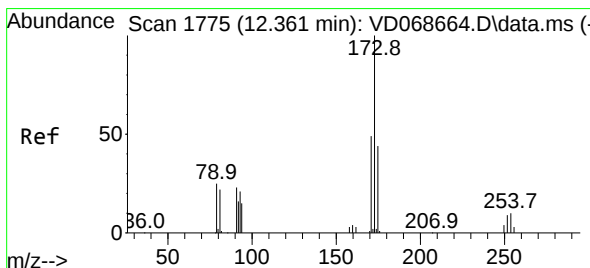
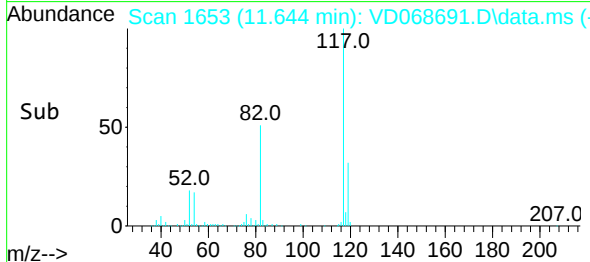
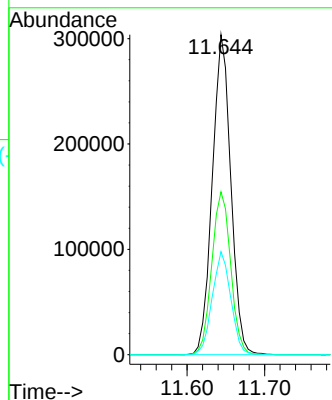
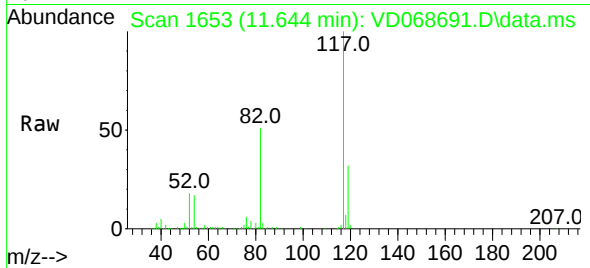




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068691.D
Acq: 26 Mar 2021 18:25

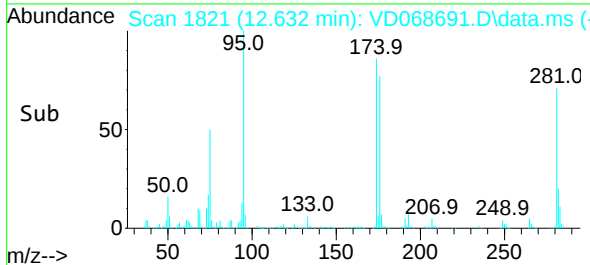
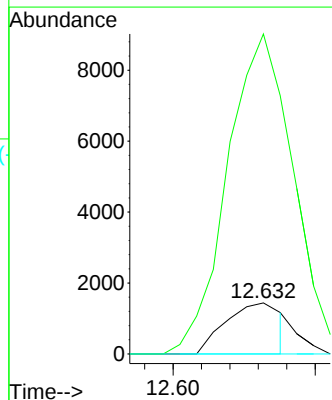
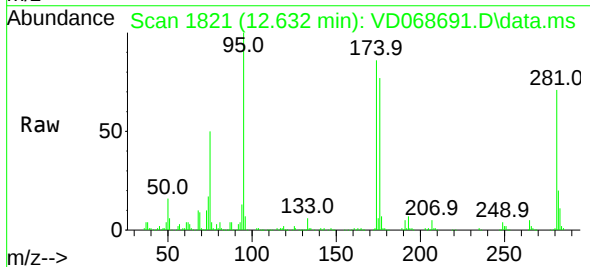
Instrument :
MSVOA_D
ClientSampleId :
IG003

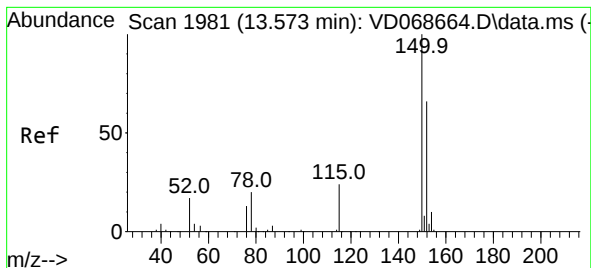
Tgt Ion:117 Resp: 504570
Ion Ratio Lower Upper
117 100
82 50.9 43.5 65.3
119 32.2 26.7 40.1



#71
Bromoform
Concen: 1.04 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.271 min
Lab File: VD068691.D
Acq: 26 Mar 2021 18:25

Tgt Ion:173 Resp: 1962
Ion Ratio Lower Upper
173 100
175 609.2 23.6 71.0#
254 0.0 0.0 0.0

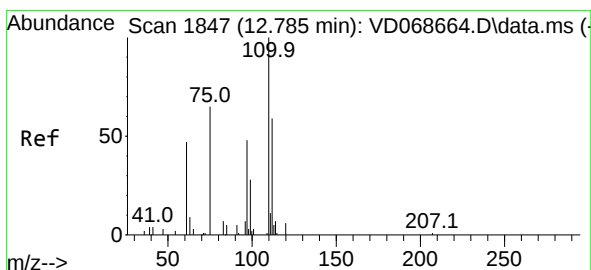
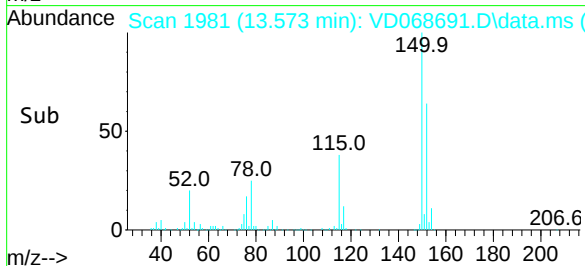
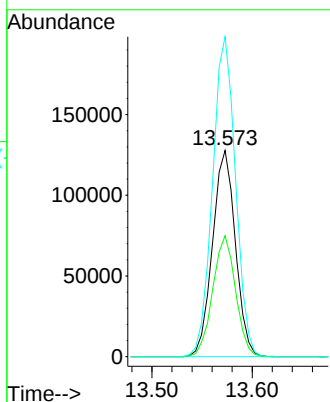
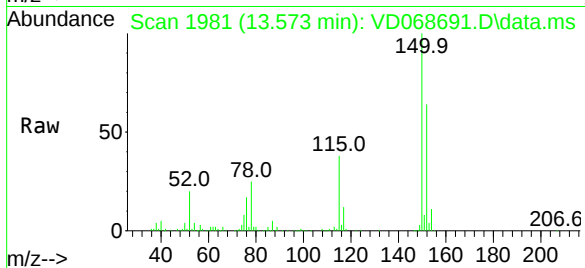




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. 0.000 min
 Lab File: VD068691.D
 Acq: 26 Mar 2021 18:25

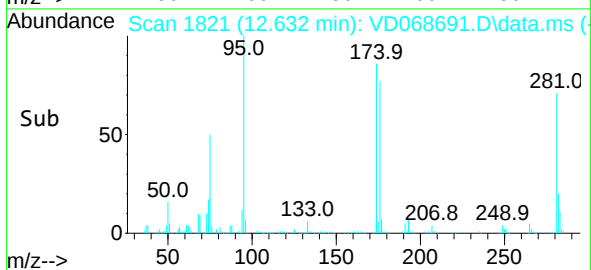
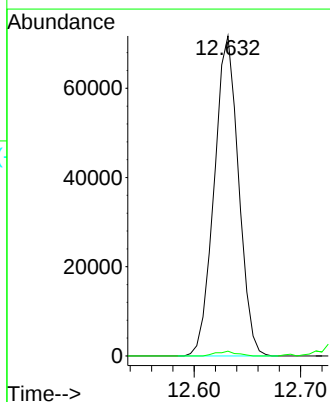
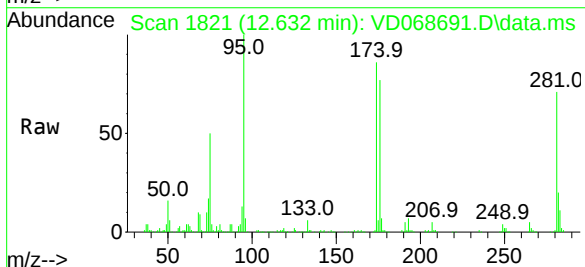
Instrument :
 MSVOA_D
 ClientSampleId :
 IG003

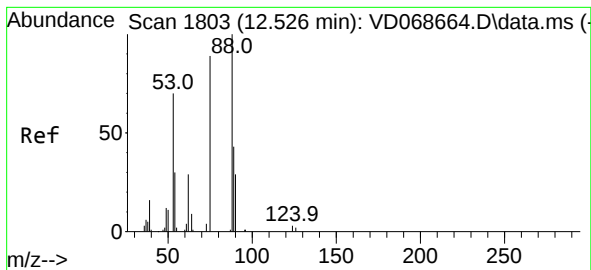
Tgt Ion:152 Resp: 202533
 Ion Ratio Lower Upper
 152 100
 115 58.4 29.3 87.8
 150 155.7 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 67.57 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. -0.153 min
 Lab File: VD068691.D
 Acq: 26 Mar 2021 18:25

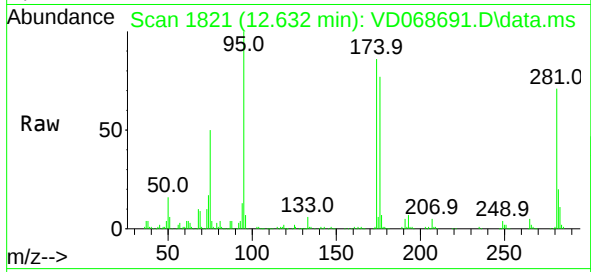
Tgt Ion: 75 Resp: 113902
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 153.73 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068691.D
Acq: 26 Mar 2021 18:25

Instrument :
MSVOA_D
ClientSampleId :
IG003



Tgt Ion: 75 Resp: 113902
Ion Ratio Lower Upper
75 100
53 0.1 66.8 100.2#
89 0.7 36.6 54.8#

