

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032621\
 Data File : VD068692.D
 Acq On : 26 Mar 2021 18:54
 Operator : VA/SY
 Sample : M1832-04
 Misc : 5.11G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

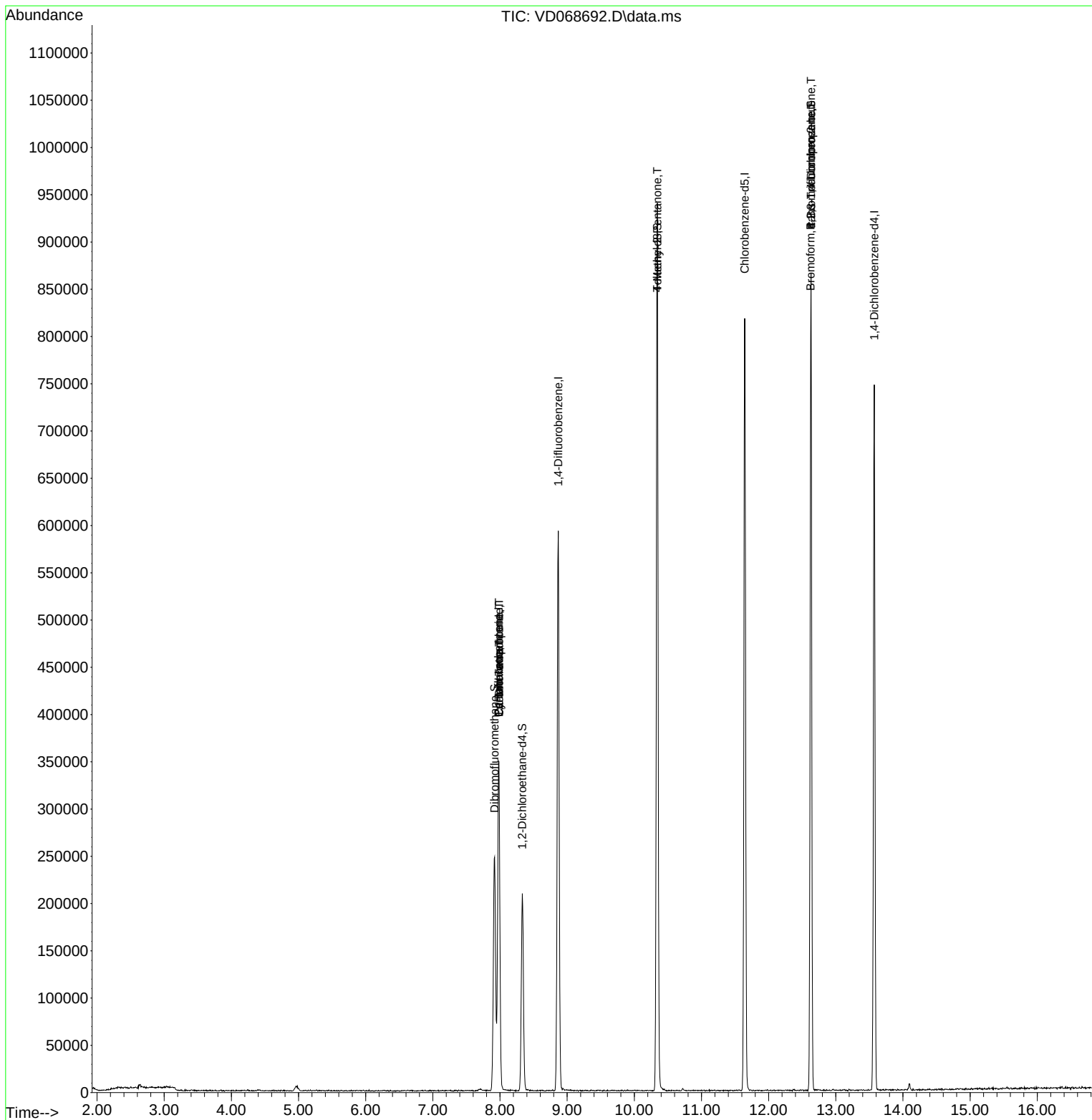
Quant Time: Mar 27 00:45:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:00:55 2021
 Response via : Initial Calibration

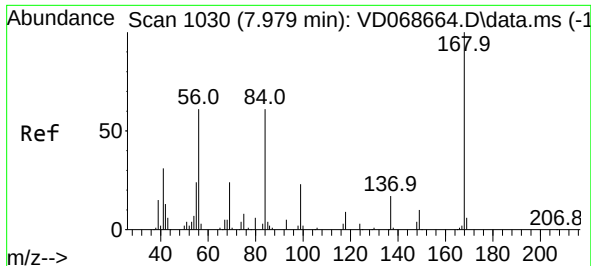
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	270461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	534984	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	502134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	200465	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	161425	59.19	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.38%			
35) Dibromofluoromethane	7.920	113	181344	54.48	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.96%			
50) Toluene-d8	10.344	98	665053	51.82	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.64%			
62) 4-Bromofluorobenzene	12.632	95	211919	50.93	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.86%			
Target Compounds						
20) Methylene Chloride	4.979	84	4754	Below Cal	#	75
31) Cyclohexane	7.985	56	5033	1.14	ug/l #	12
36) 1,1-Dichloropropene	7.985	75	20876	4.37	ug/l #	49
38) Carbon Tetrachloride	7.985	117	26700	5.60	ug/l #	17
51) 4-Methyl-2-Pentanone	10.344	43	2343	1.56	ug/l #	1
71) Bromoform	12.626	173	2000	1.07	ug/l #	1
76) 1,2,3-Trichloropropane	12.632	75	107681	64.54	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	107681	146.83	ug/l #	16

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

Quant Time: Mar 27 00:45:55 2021
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Response via : Initial Calibration

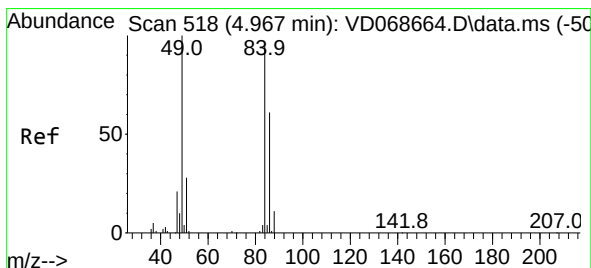
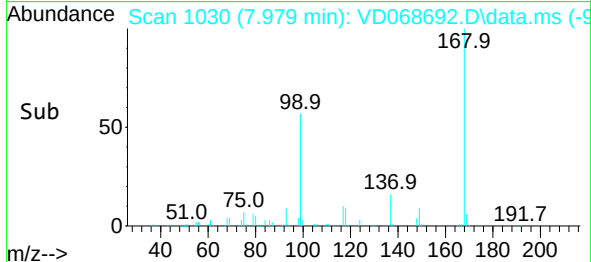
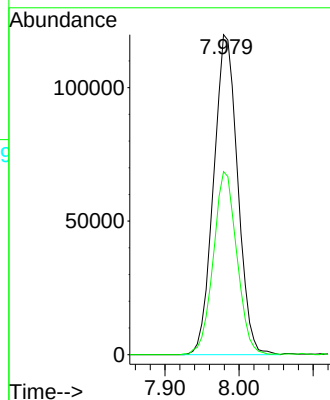
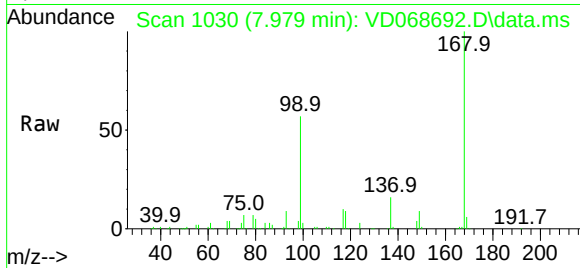




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD068692.D
Acq: 26 Mar 2021 18:54

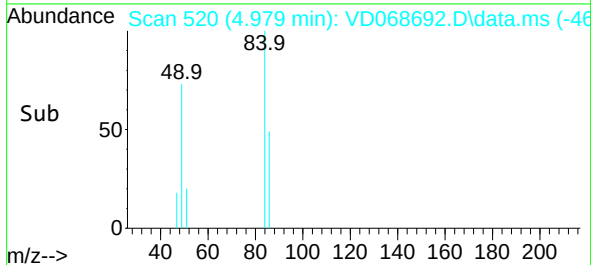
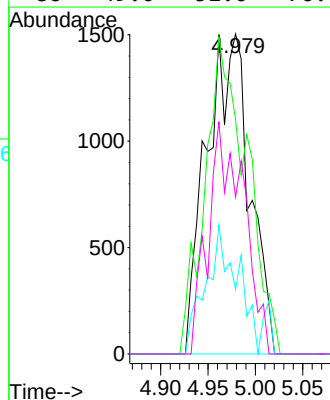
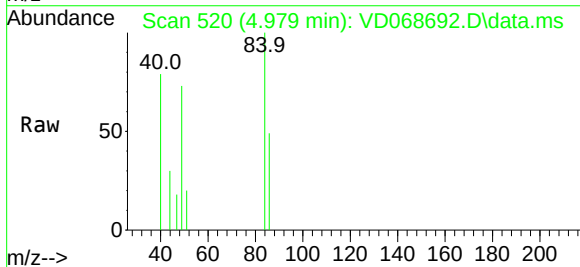
Instrument :
MSVOA_D
ClientSampled :

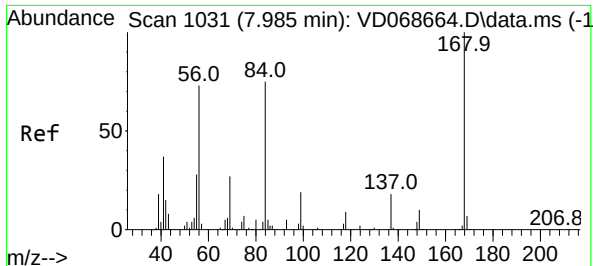
Tgt Ion:168 Resp: 270461
Ion Ratio Lower Upper
168 100
99 57.2 46.2 69.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 520
Delta R.T. 0.012 min
Lab File: VD068692.D
Acq: 26 Mar 2021 18:54

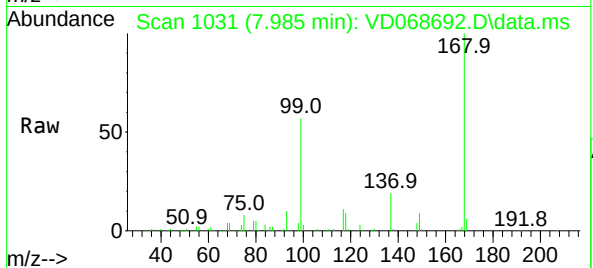
Tgt Ion: 84 Resp: 4754
Ion Ratio Lower Upper
84 100
49 73.2 83.4 125.0#
51 20.1 23.4 35.2#
86 49.0 51.0 76.4#



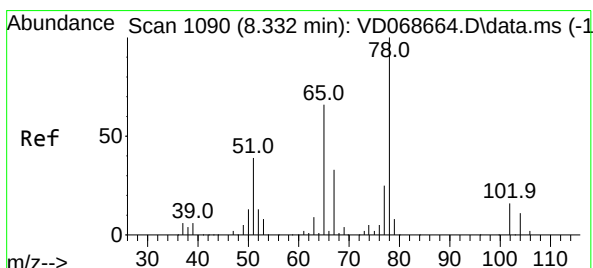
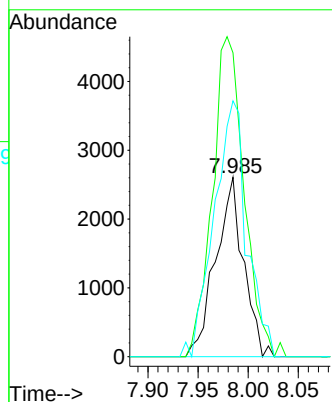
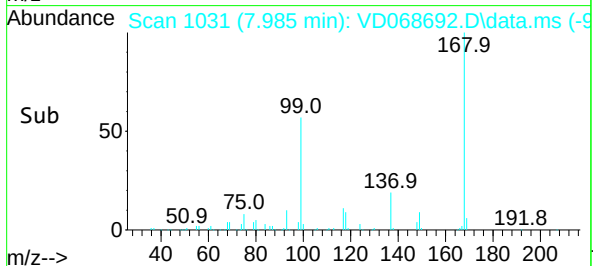


#31
Cyclohexane
Concen: 1.14 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068692.D
Acq: 26 Mar 2021 18:54

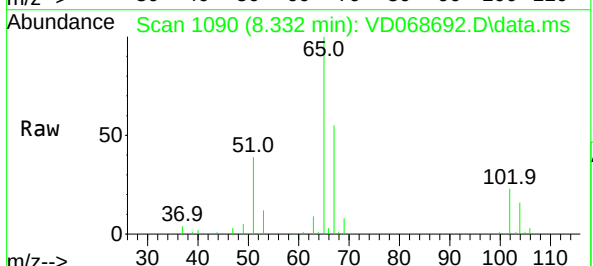
Instrument :
MSVOA_D
ClientSampleId :



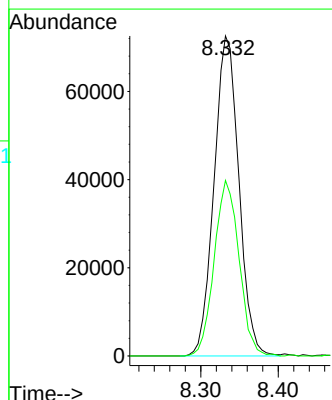
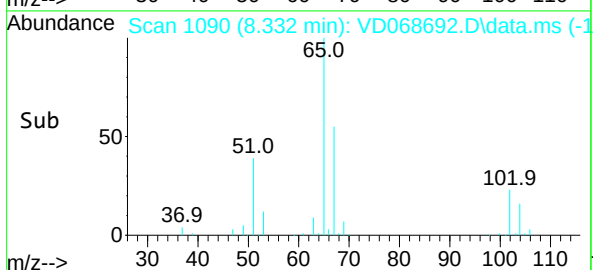
Tgt Ion: 56 Resp: 5033
Ion Ratio Lower Upper
56 100
69 169.4 30.0 45.0#
84 142.7 82.0 123.0#

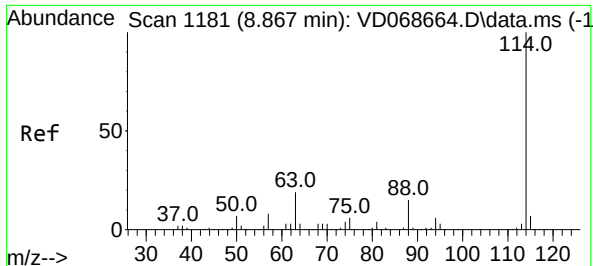


#33
1,2-Dichloroethane-d4
Concen: 59.19 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068692.D
Acq: 26 Mar 2021 18:54



Tgt Ion: 65 Resp: 161425
Ion Ratio Lower Upper
65 100
67 55.0 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: VD068692.D

Acq: 26 Mar 2021 18:54

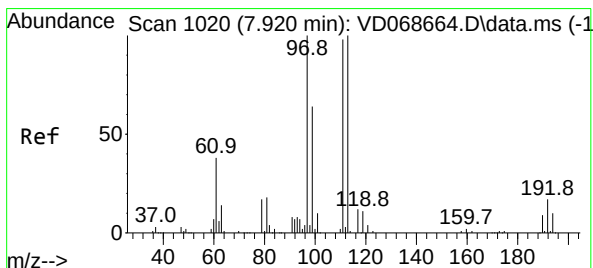
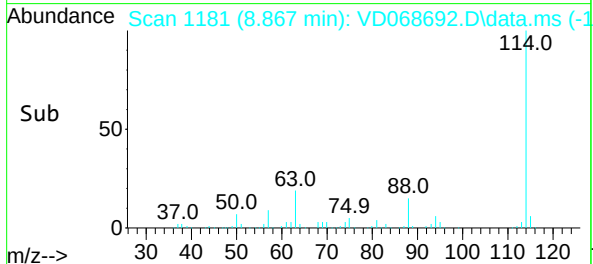
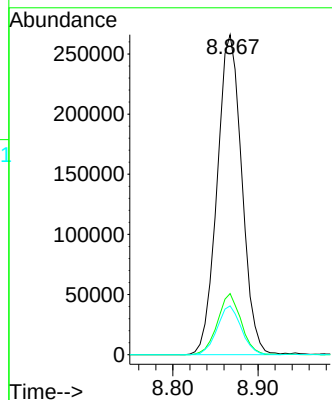
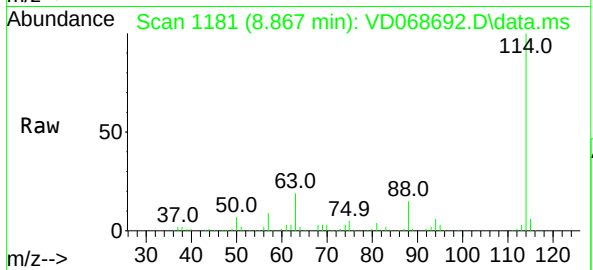
Tgt Ion:114 Resp: 534984

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.2

88 15.3 0.0 29.4



#35

Dibromofluoromethane

Concen: 54.48 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. -0.000 min

Lab File: VD068692.D

Acq: 26 Mar 2021 18:54

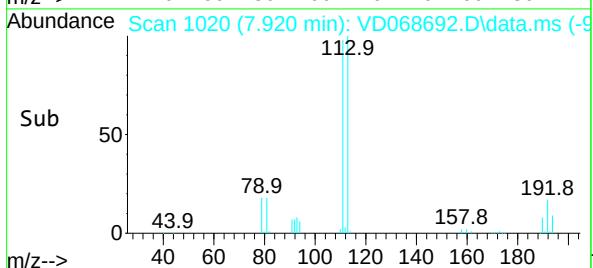
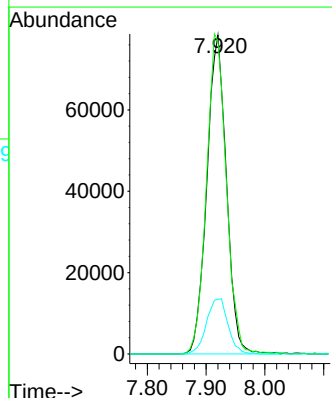
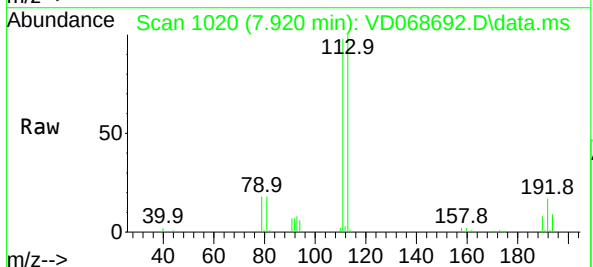
Tgt Ion:113 Resp: 181344

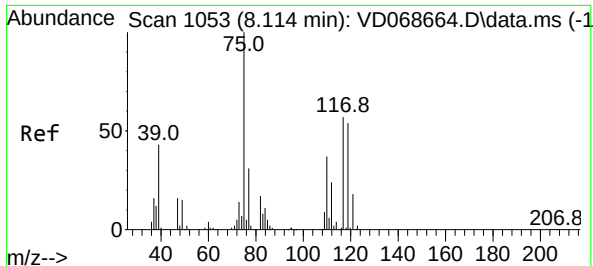
Ion Ratio Lower Upper

113 100

111 101.8 82.5 123.7

192 19.0 15.1 22.7

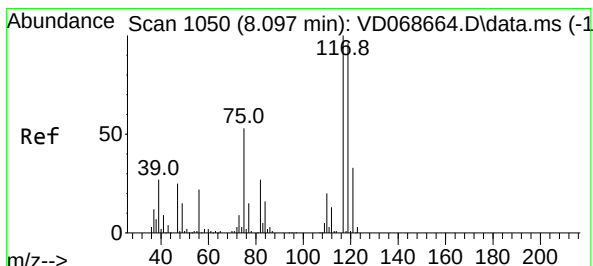
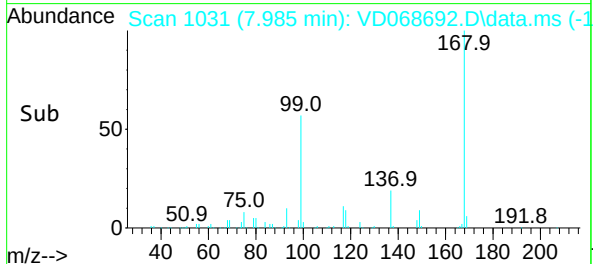
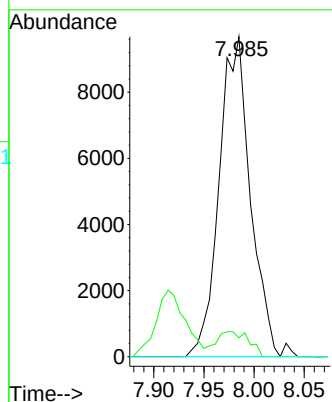
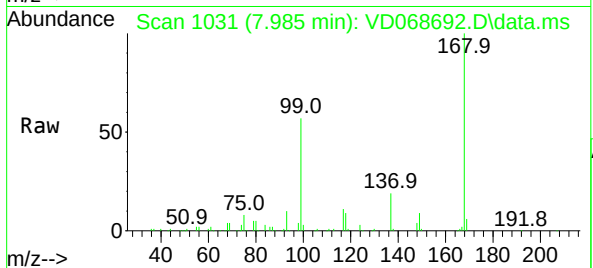




#36
1,1-Dichloropropene
Concen: 4.37 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.130 min
Lab File: VD068692.D
Acq: 26 Mar 2021 18:54

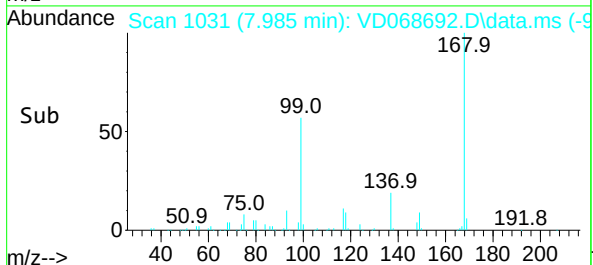
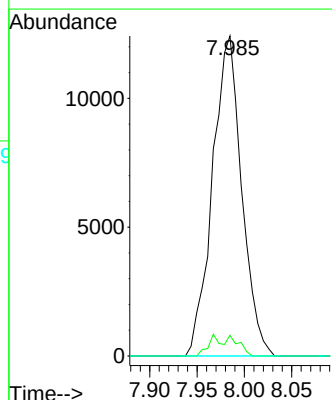
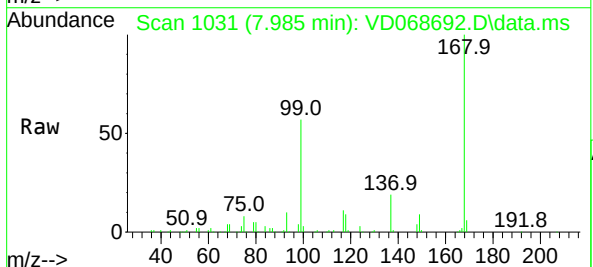
Instrument :
MSVOA_D
ClientSampled :

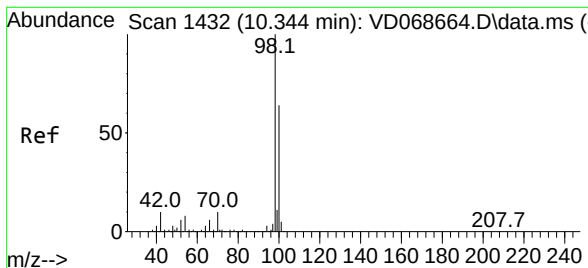
Tgt Ion: 75 Resp: 20876
Ion Ratio Lower Upper
75 100
110 8.4 18.1 54.4#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.60 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD068692.D
Acq: 26 Mar 2021 18:54

Tgt Ion: 117 Resp: 26700
Ion Ratio Lower Upper
117 100
119 6.4 76.6 115.0#
121 0.0 26.1 39.1#

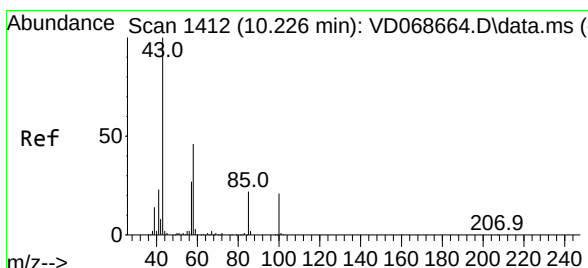
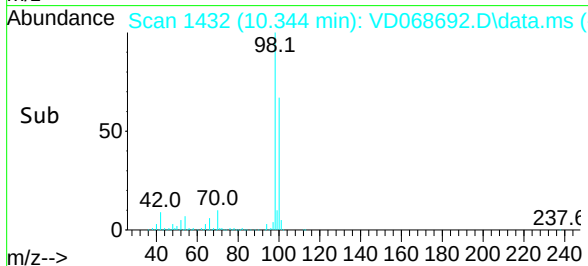
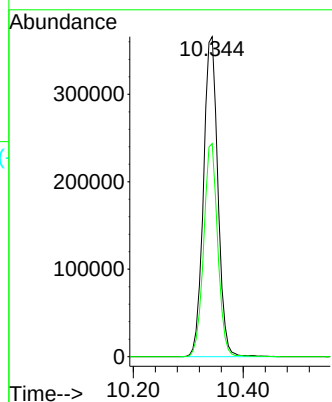
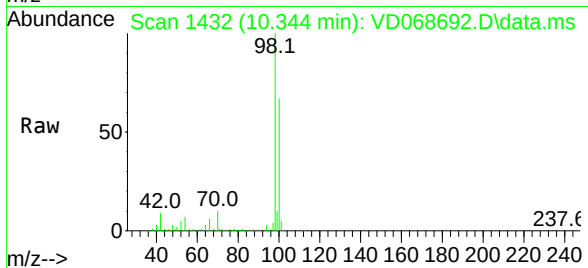




#50
Toluene-d8
Concen: 51.82 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VD068692.D
Acq: 26 Mar 2021 18:54

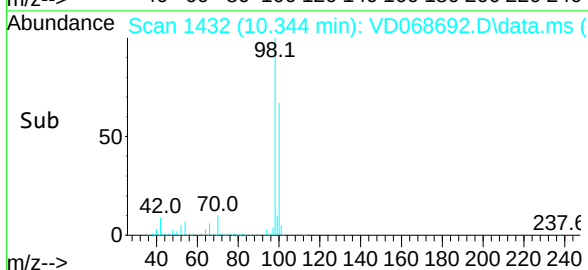
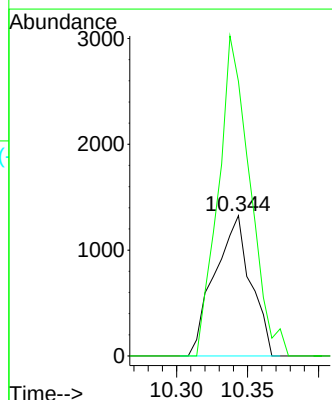
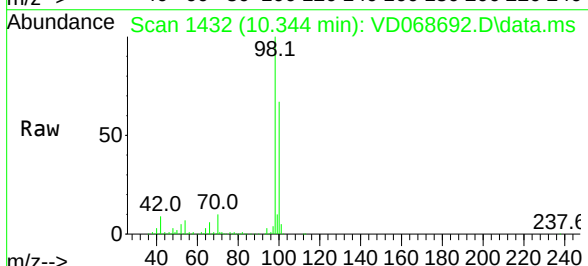
Instrument :
MSVOA_D
ClientSampleId :

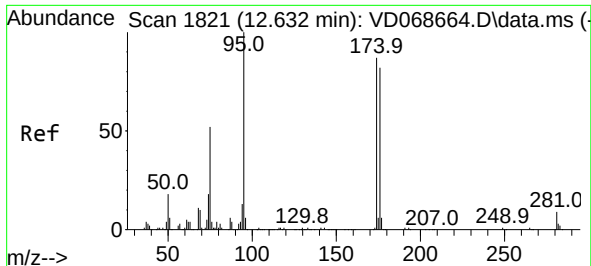
Tgt Ion: 98 Resp: 665053
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.56 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.117 min
Lab File: VD068692.D
Acq: 26 Mar 2021 18:54

Tgt Ion: 43 Resp: 2343
Ion Ratio Lower Upper
43 100
58 200.8 37.3 55.9#

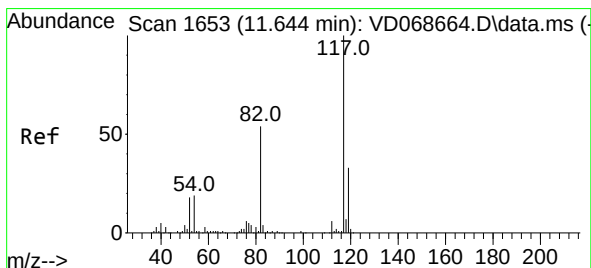
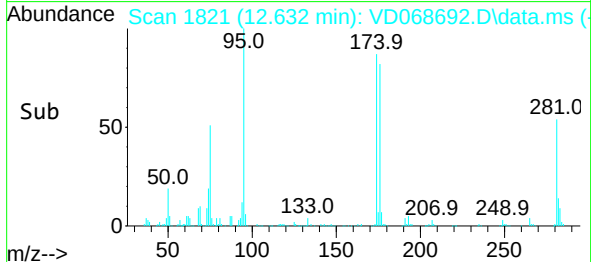
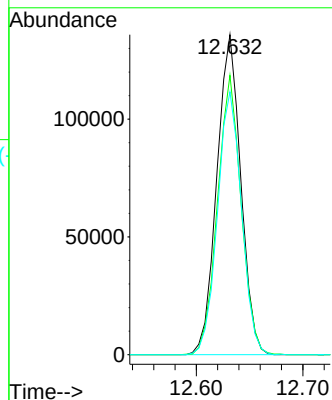
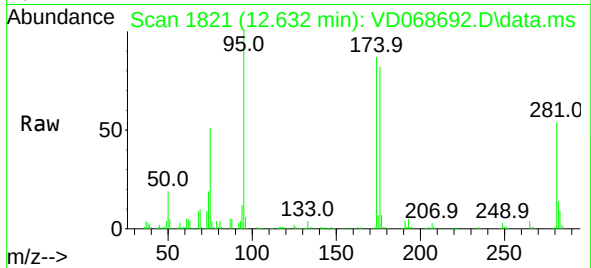




#62
4-Bromofluorobenzene
Concen: 50.93 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD068692.D
Acq: 26 Mar 2021 18:54

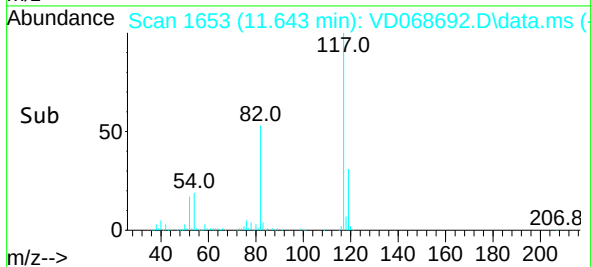
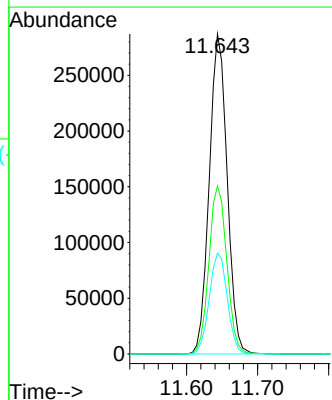
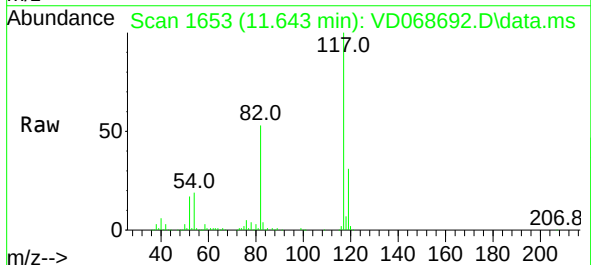
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MSVOA_D
ClientSampleId :

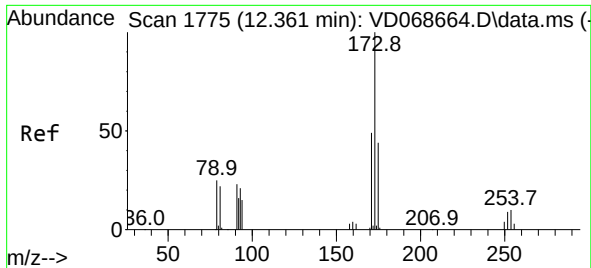
Tgt Ion: 95 Resp: 211919
Ion Ratio Lower Upper
95 100
174 86.0 0.0 168.0
176 82.4 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD068692.D
Acq: 26 Mar 2021 18:54

Tgt Ion: 117 Resp: 502134
Ion Ratio Lower Upper
117 100
82 52.5 43.5 65.3
119 31.5 26.7 40.1

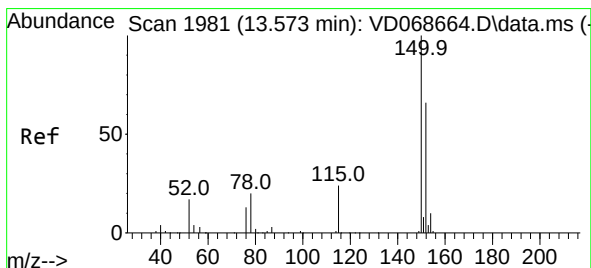
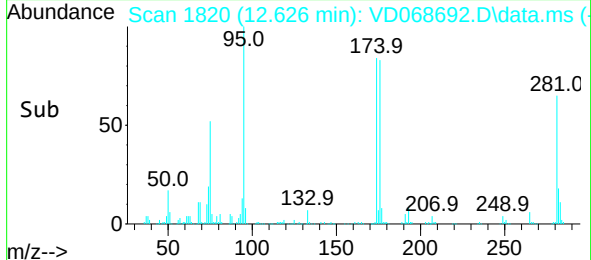
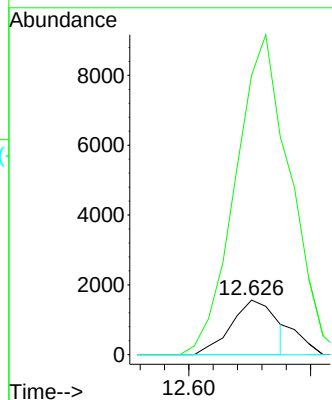
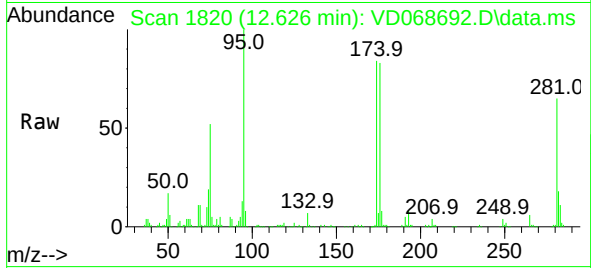




#71
Bromoform
Concen: 1.07 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.265 min
Lab File: VD068692.D
Acq: 26 Mar 2021 18:54

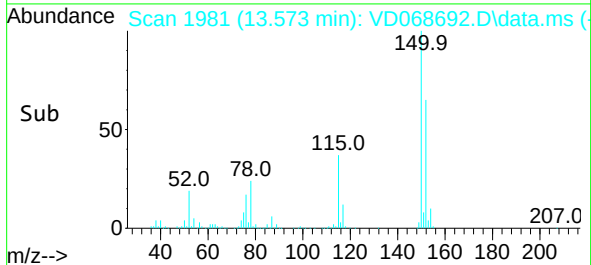
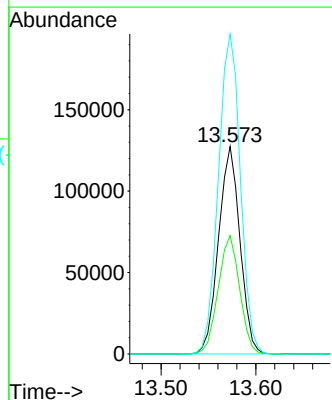
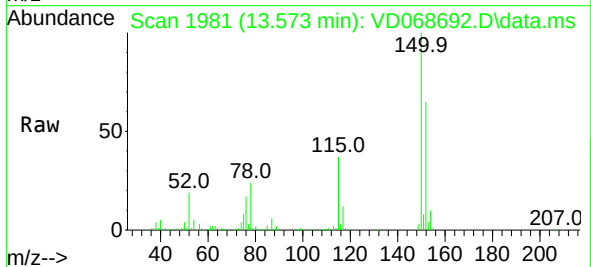
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ClientSampleId :

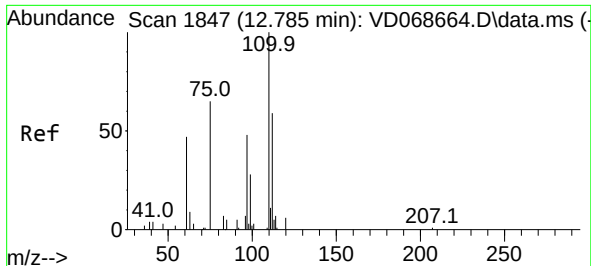
Tgt Ion:173 Resp: 2000
Ion Ratio Lower Upper
173 100
175 577.1 23.6 71.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068692.D
Acq: 26 Mar 2021 18:54

Tgt Ion:152 Resp: 200465
Ion Ratio Lower Upper
152 100
115 57.0 29.3 87.8
150 158.0 0.0 347.6

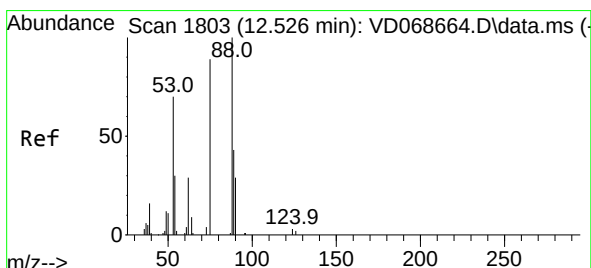
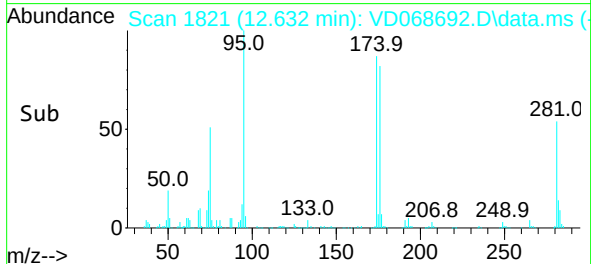
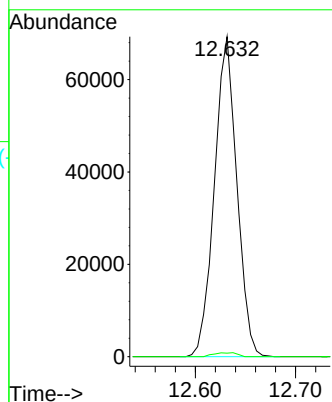
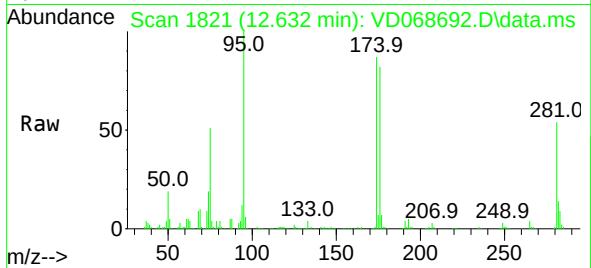




#76
1,2,3-Trichloropropane
Concen: 64.54 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068692.D
Acq: 26 Mar 2021 18:54

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 107681
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 146.83 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068692.D
Acq: 26 Mar 2021 18:54

Tgt Ion: 75 Resp: 107681
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.6 36.6 54.8#

