

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041521\
 Data File : VD068862.D
 Acq On : 15 Apr 2021 18:06
 Operator : VA/SY
 Sample : M2049-18
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 16 01:10:26 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)

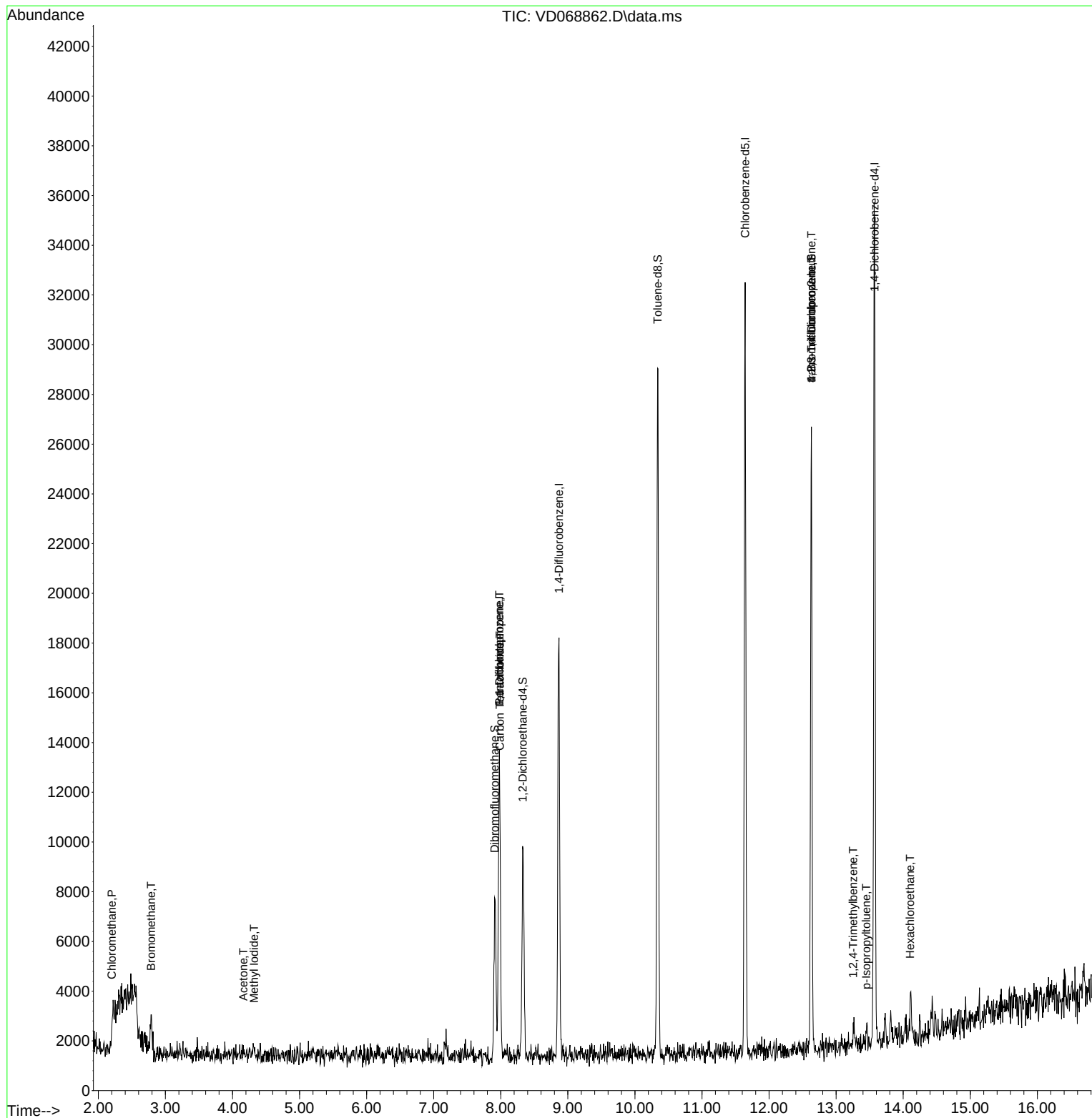
Internal Standards						
1) Pentafluorobenzene	7.979	168	9796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	16600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	20328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	10290	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	6199	59.88	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.76%
35) Dibromofluoromethane	7.908	113	4789	44.35	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.70%
50) Toluene-d8	10.338	98	21485	52.75	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.50%
62) 4-Bromofluorobenzene	12.632	95	8387	62.00	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	124.00%
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	302	2.65	ug/l #	41
5) Bromomethane	2.785	94	1185	11.06	ug/l	98
10) Methyl Iodide	4.320	142	393	5.40	ug/l #	85
16) Acetone	4.162	43	207	14.44	ug/l #	71
36) 1,1-Dichloropropene	7.979	75	796	4.74	ug/l #	41
38) Carbon Tetrachloride	7.985	117	918	5.52	ug/l #	12
76) 1,2,3-Trichloropropane	12.632	75	4166	44.32	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	4166	102.85	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.255	105	702	1.11	ug/l	93
86) p-Isopropyltoluene	13.449	119	687	1.00	ug/l #	73
90) Hexachloroethane	14.102	117	197	1.44	ug/l #	14

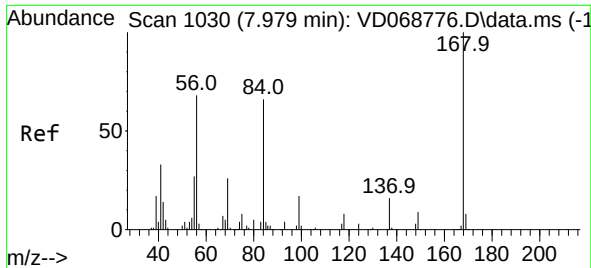
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD068862.D
Acq On : 15 Apr 2021 18:06
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Quant Time: Apr 16 01:10:26 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

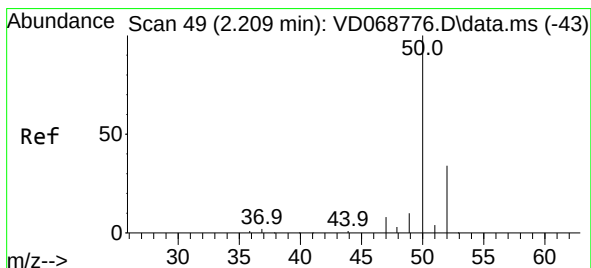
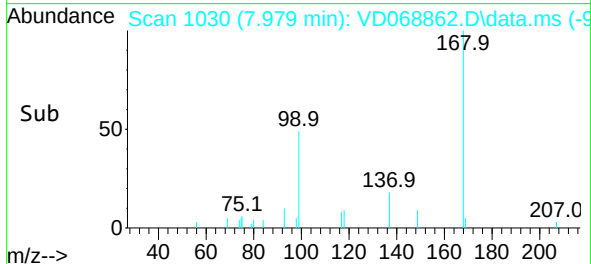
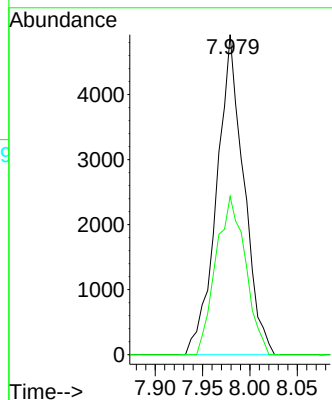
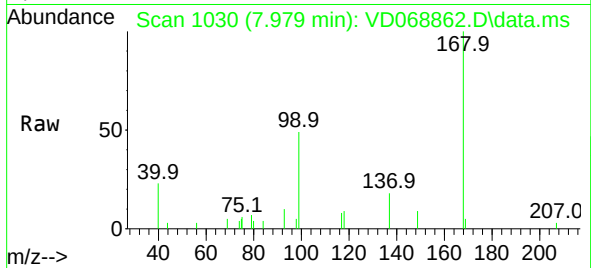




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD068862.D
Acq: 15 Apr 2021 18:06

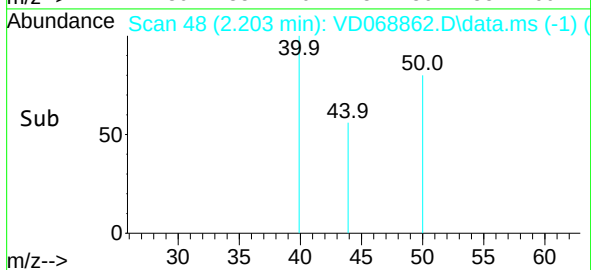
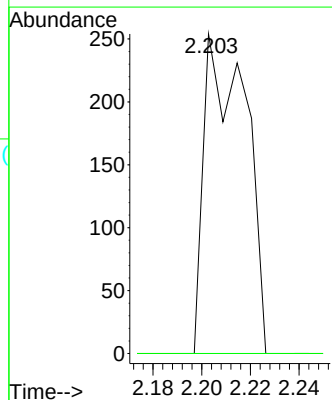
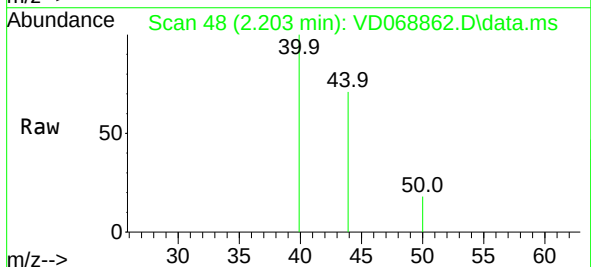
Instrument :
MSVOA_D
ClientSampled :

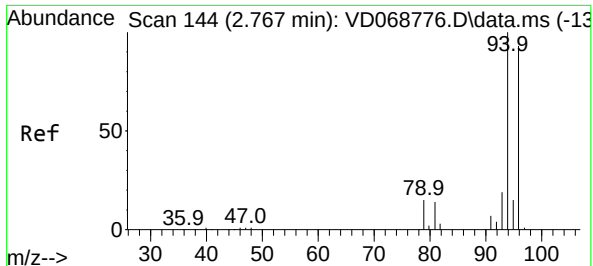
Tgt Ion:168 Resp: 9796
Ion Ratio Lower Upper
168 100
99 49.4 46.2 69.2



#3
Chloromethane
Concen: 2.65 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD068862.D
Acq: 15 Apr 2021 18:06

Tgt Ion: 50 Resp: 302
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

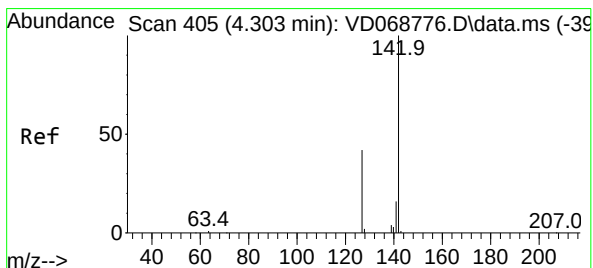
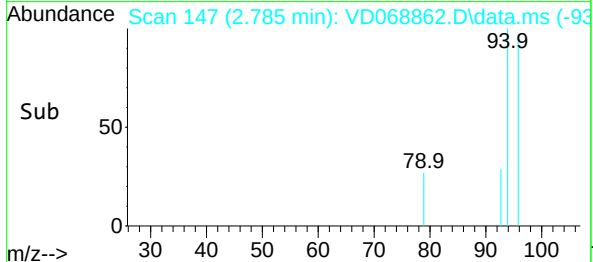
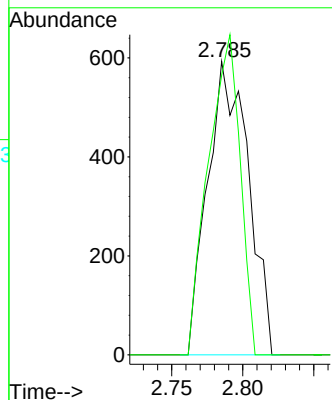
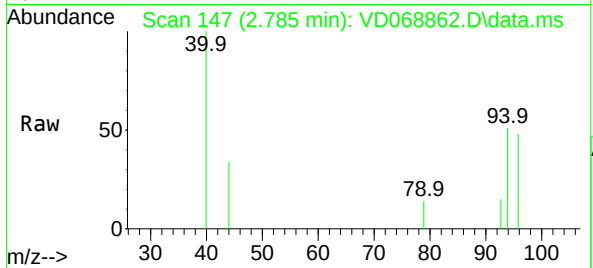




#5
Bromomethane
Concen: 11.06 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.018 min
Lab File: VD068862.D
Acq: 15 Apr 2021 18:06

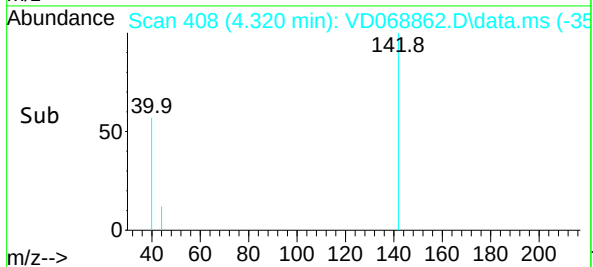
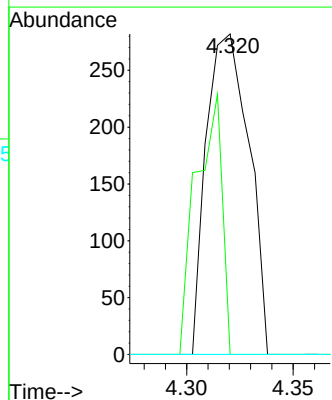
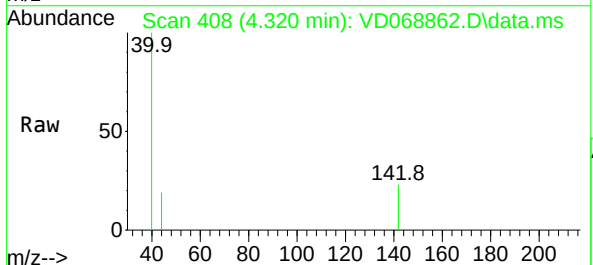
Instrument :
MSVOA_D
ClientSampled :

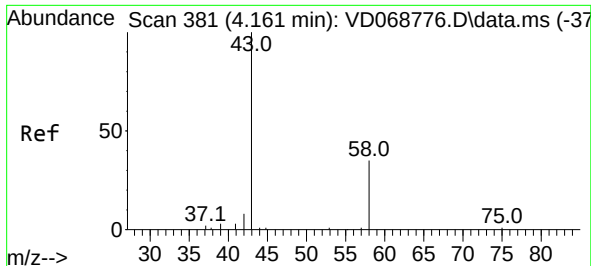
Tgt Ion: 94 Resp: 1185
Ion Ratio Lower Upper
94 100
96 95.3 74.7 112.1



#10
Methyl Iodide
Concen: 5.40 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.017 min
Lab File: VD068862.D
Acq: 15 Apr 2021 18:06

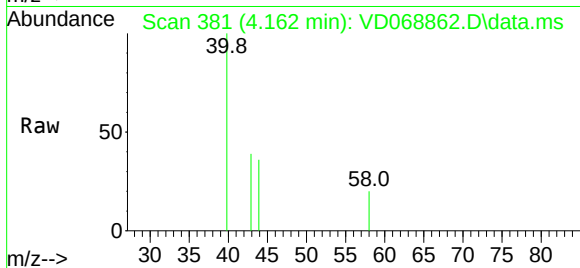
Tgt Ion: 142 Resp: 393
Ion Ratio Lower Upper
142 100
127 49.6 34.7 52.1
141 0.0 11.0 16.4#



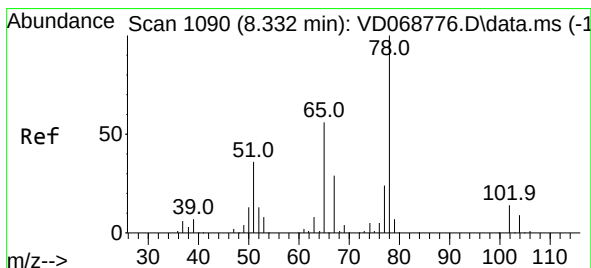
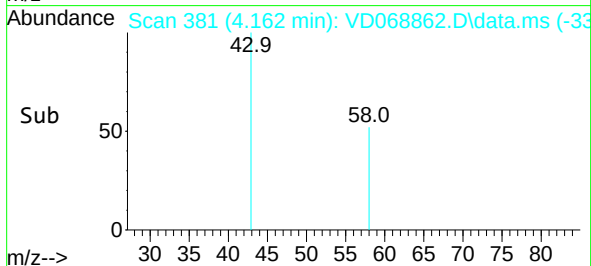
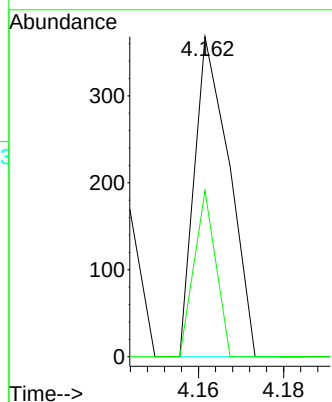


#16
Acetone
Concen: 14.44 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.001 min
Lab File: VD068862.D
Acq: 15 Apr 2021 18:06

Instrument :
MSVOA_D
ClientSampled :

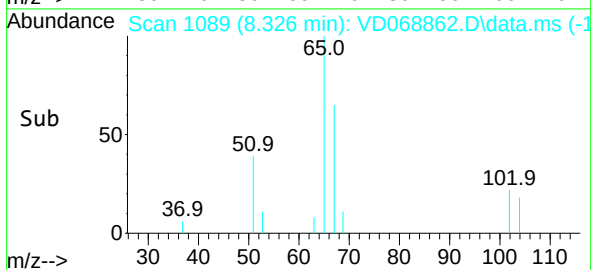
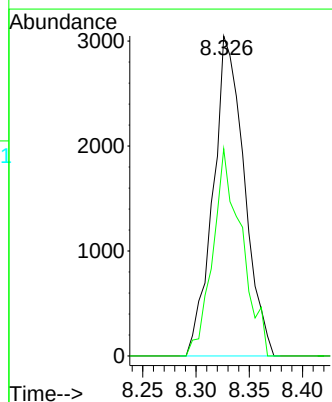
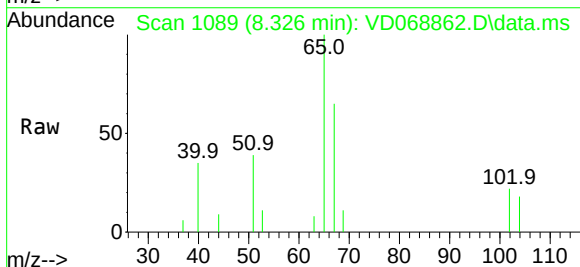


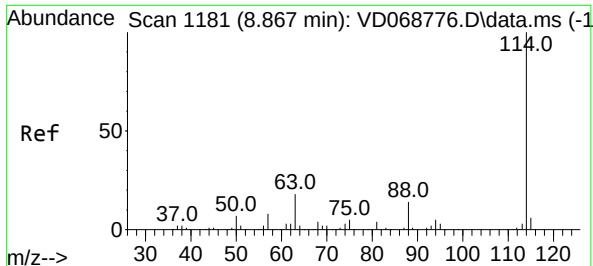
Tgt Ion: 43 Resp: 207
Ion Ratio Lower Upper
43 100
58 51.9 28.0 42.0#



#33
1,2-Dichloroethane-d4
Concen: 59.88 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD068862.D
Acq: 15 Apr 2021 18:06

Tgt Ion: 65 Resp: 6199
Ion Ratio Lower Upper
65 100
67 60.0 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

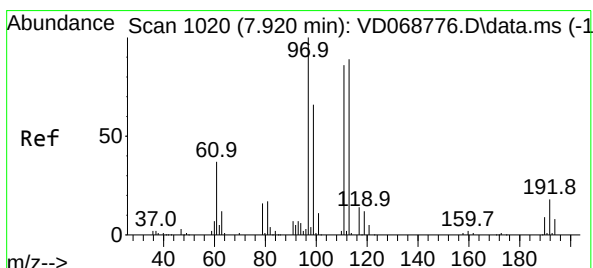
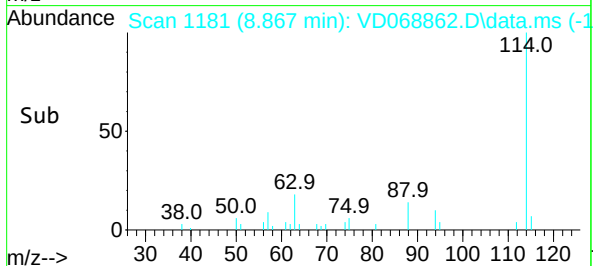
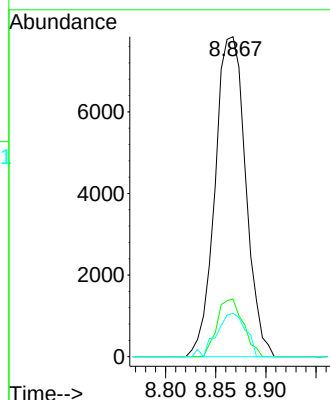
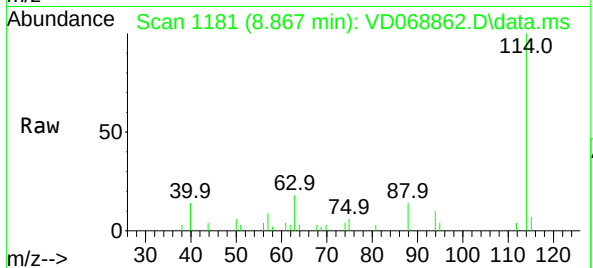
Delta R.T. 0.000 min

Lab File: VD068862.D

Acq: 15 Apr 2021 18:06

Tgt Ion:	114	Resp:	16600
Ion Ratio	Lower	Upper	
114	100		
63	18.0	0.0	38.2
88	13.6	0.0	29.4

Instrument :
MSVOA_D
ClientSampled :



#35

Dibromofluoromethane

Concen: 44.35 ug/l

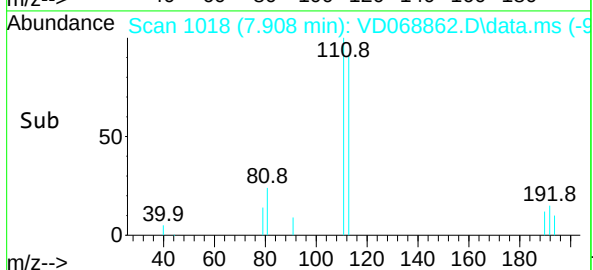
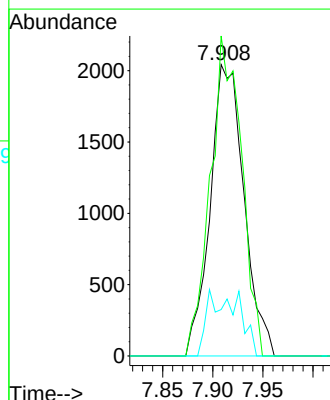
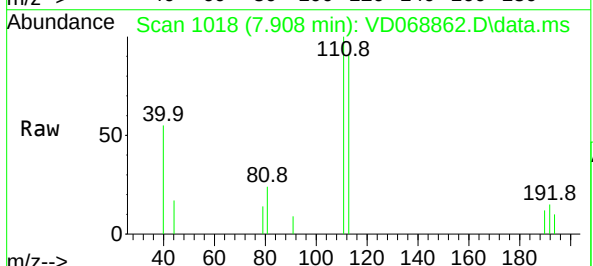
RT: 7.908 min Scan# 1018

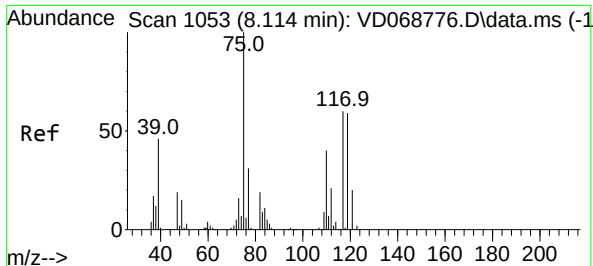
Delta R.T. -0.012 min

Lab File: VD068862.D

Acq: 15 Apr 2021 18:06

Tgt Ion:	113	Resp:	4789
Ion Ratio	Lower	Upper	
113	100		
111	101.5	82.5	123.7
192	9.4	15.1	22.7#

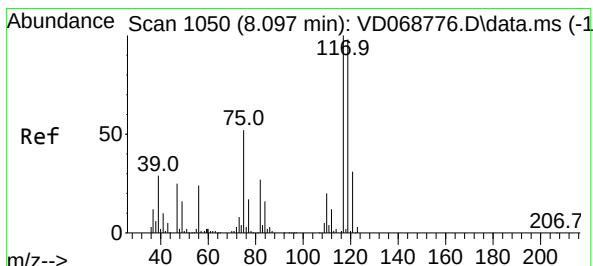
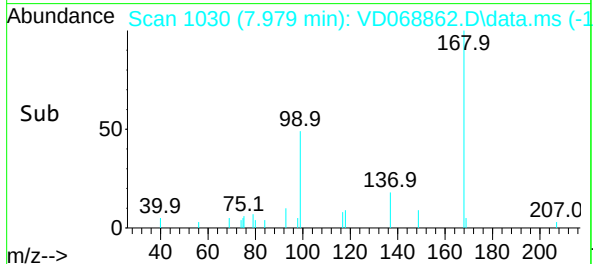
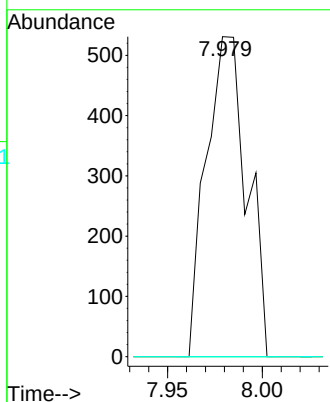
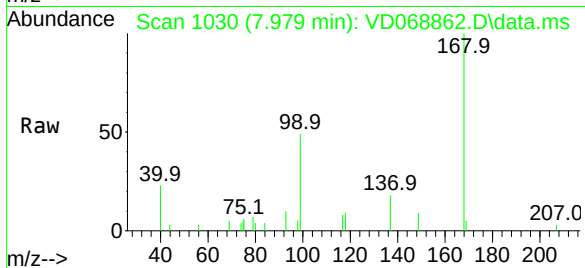




#36
1,1-Dichloropropene
Concen: 4.74 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068862.D
Acq: 15 Apr 2021 18:06

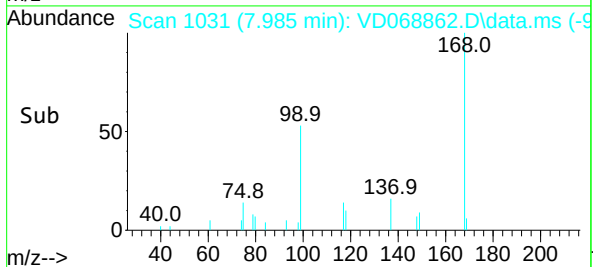
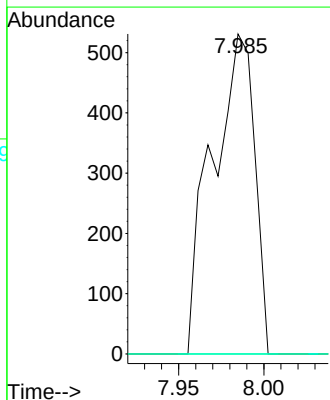
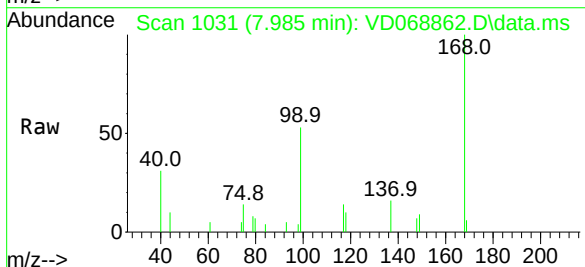
Instrument :
MSVOA_D
ClientSampled :

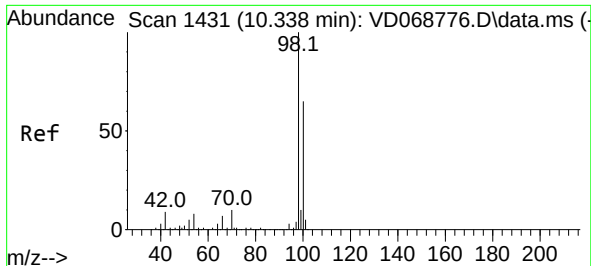
Tgt Ion: 75 Resp: 796
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.4#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.52 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD068862.D
Acq: 15 Apr 2021 18:06

Tgt Ion: 117 Resp: 918
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 26.1 39.1#

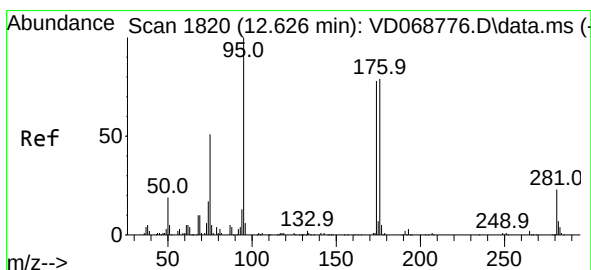
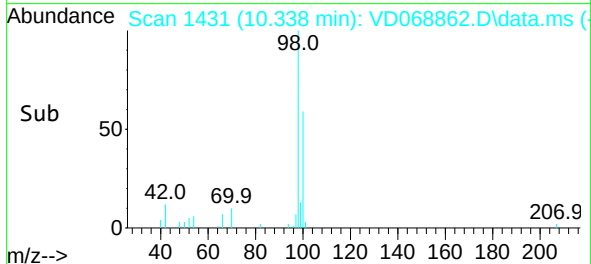
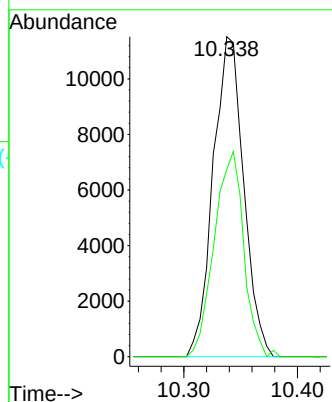
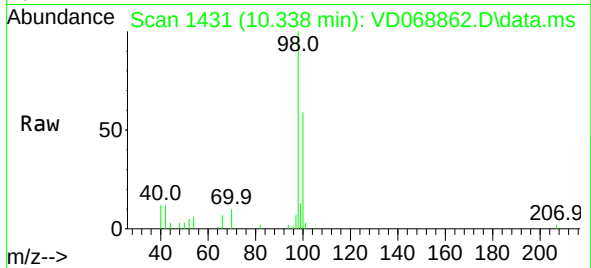




#50
Toluene-d8
Concen: 52.75 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD068862.D
Acq: 15 Apr 2021 18:06

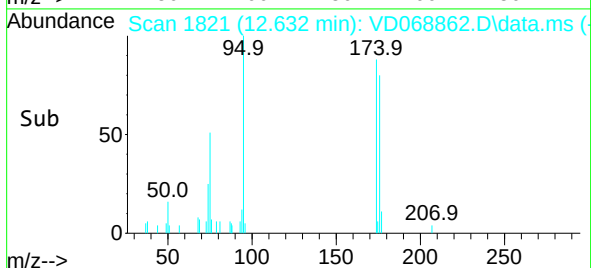
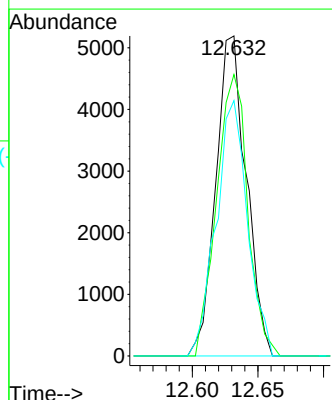
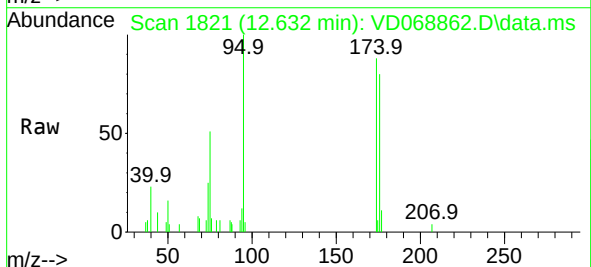
Instrument :
MSVOA_D
ClientSampled :

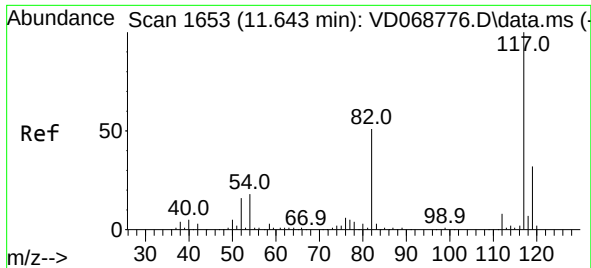
Tgt Ion: 98 Resp: 21485
Ion Ratio Lower Upper
98 100
100 61.8 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 62.00 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068862.D
Acq: 15 Apr 2021 18:06

Tgt Ion: 95 Resp: 8387
Ion Ratio Lower Upper
95 100
174 90.1 0.0 168.0
176 82.3 0.0 160.2

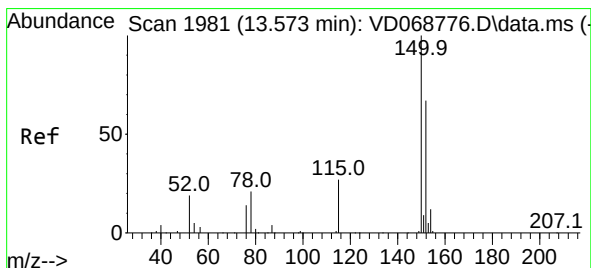
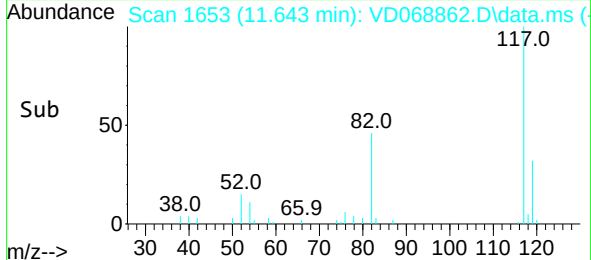
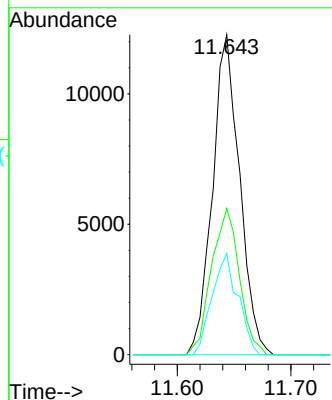
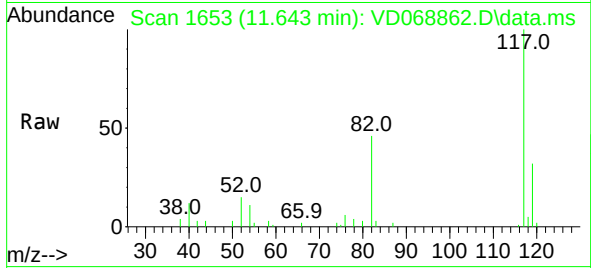




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068862.D
Acq: 15 Apr 2021 18:06

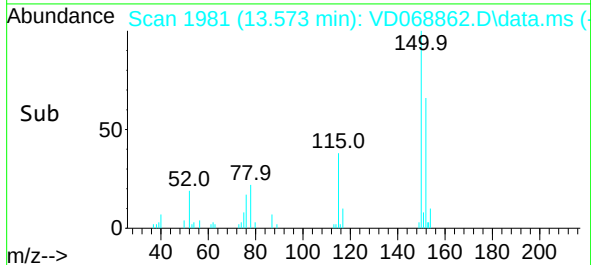
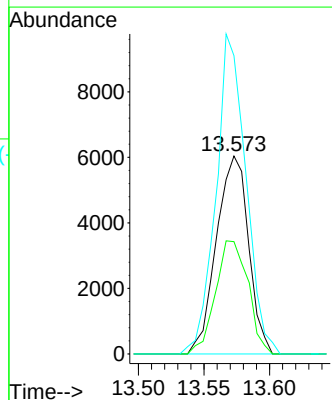
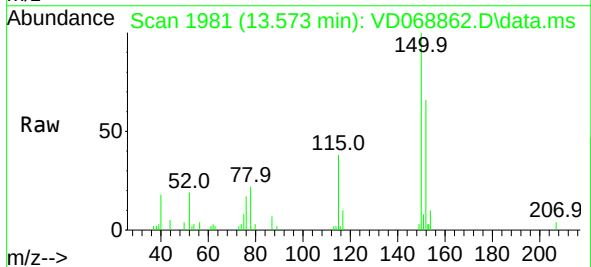
Instrument :
MSVOA_D
ClientSampled :

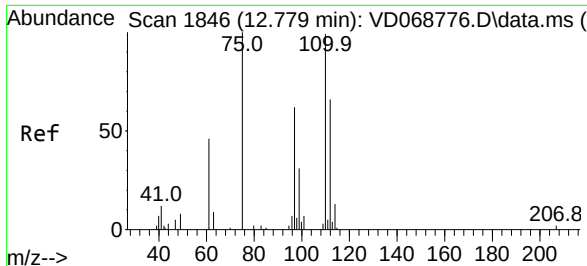
Tgt Ion:117 Resp: 20328
Ion Ratio Lower Upper
117 100
82 45.7 43.5 65.3
119 31.7 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068862.D
Acq: 15 Apr 2021 18:06

Tgt Ion:152 Resp: 10290
Ion Ratio Lower Upper
152 100
115 57.9 29.3 87.8
150 150.7 0.0 347.6

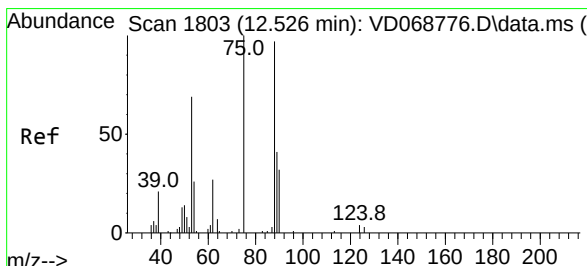
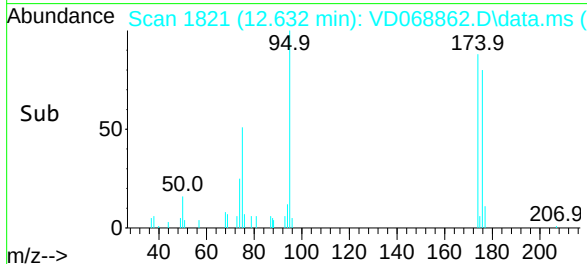
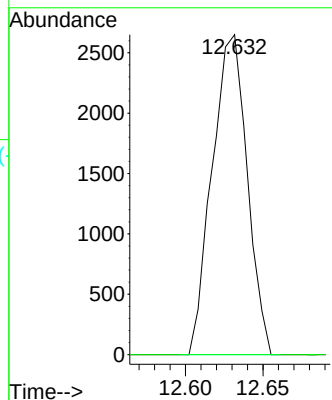
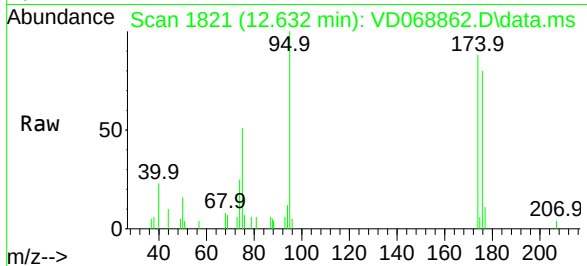




#76
1,2,3-Trichloropropane
Concen: 44.32 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD068862.D
Acq: 15 Apr 2021 18:06

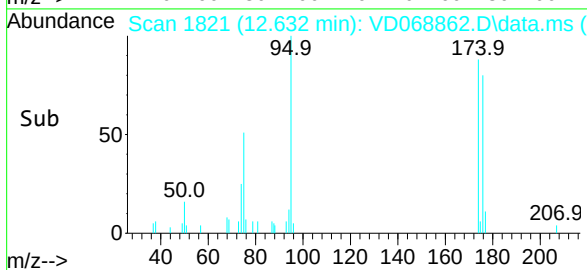
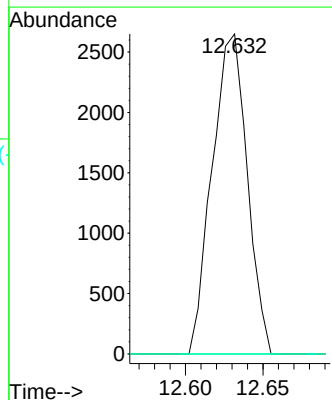
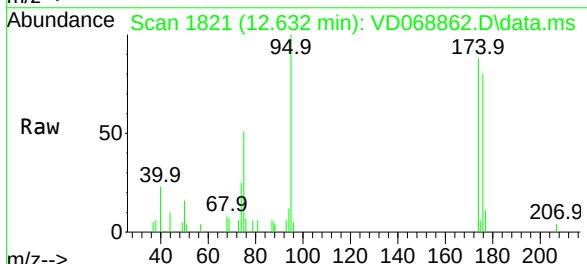
Instrument :
MSVOA_D
ClientSampled :

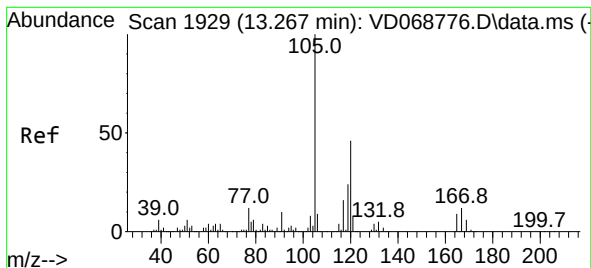
Tgt Ion: 75 Resp: 4166
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 102.85 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068862.D
Acq: 15 Apr 2021 18:06

Tgt Ion: 75 Resp: 4166
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 36.6 54.8#





#84

1,2,4-Trimethylbenzene

Concen: 1.11 ug/l

RT: 13.255 min Scan# 1927

Delta R.T. -0.012 min

Lab File: VD068862.D

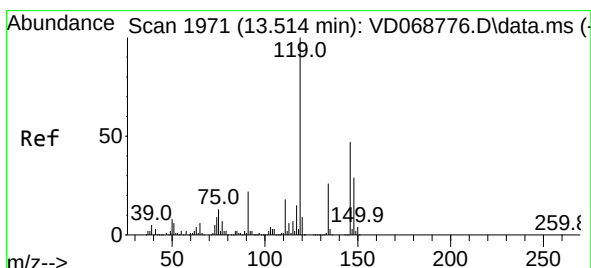
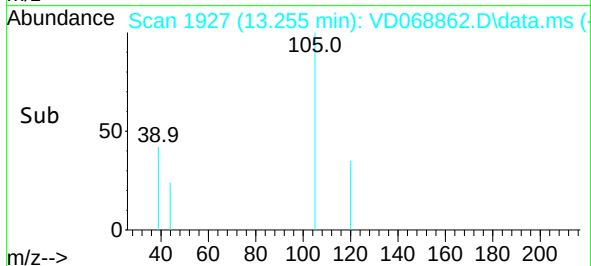
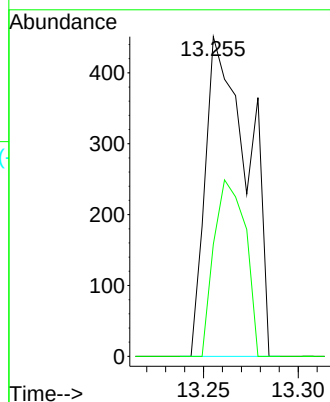
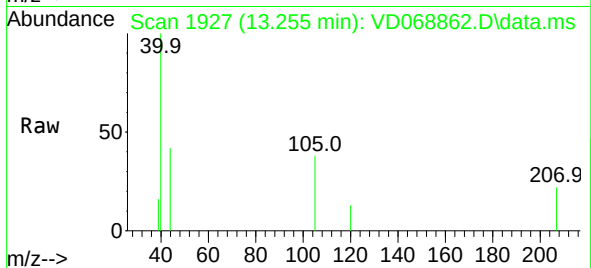
Acq: 15 Apr 2021 18:06

Tgt Ion:105 Resp: 702

Ion Ratio Lower Upper

105 100

120 40.7 22.6 67.7



#86

p-Isopropyltoluene

Concen: 1.00 ug/l

RT: 13.449 min Scan# 1960

Delta R.T. -0.065 min

Lab File: VD068862.D

Acq: 15 Apr 2021 18:06

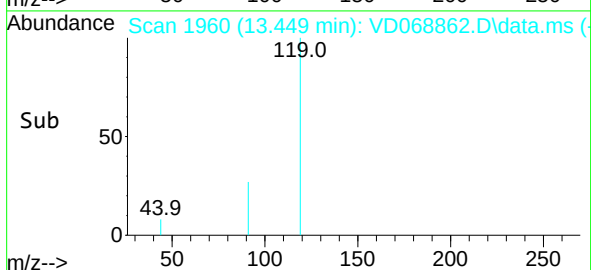
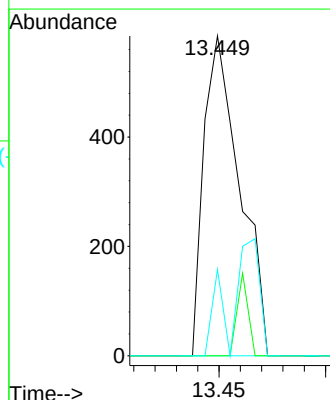
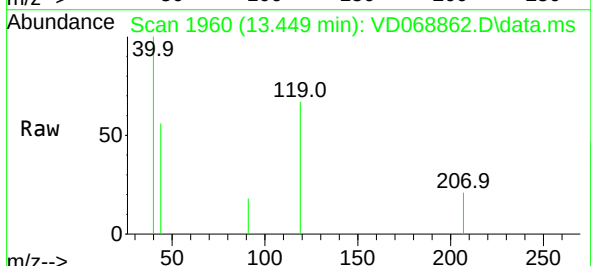
Tgt Ion:119 Resp: 687

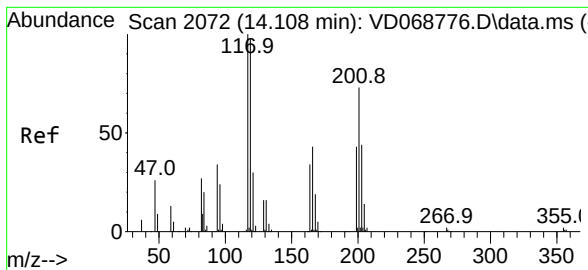
Ion Ratio Lower Upper

119 100

134 7.7 13.3 39.9#

91 29.4 11.1 33.1





#90
Hexachloroethane
Concen: 1.44 ug/l
RT: 14.102 min Scan# 2071
Delta R.T. -0.006 min
Lab File: VD068862.D
Acq: 15 Apr 2021 18:06

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:117 Resp: 197
Ion Ratio Lower Upper
117 100
201 0.0 35.4 106.2#

