

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041221\
 Data File : VD068837.D
 Acq On : 12 Apr 2021 17:32
 Operator : VA/SY
 Sample : M1967-04RE
 Misc : 4.75G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 13 01:11:35 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)

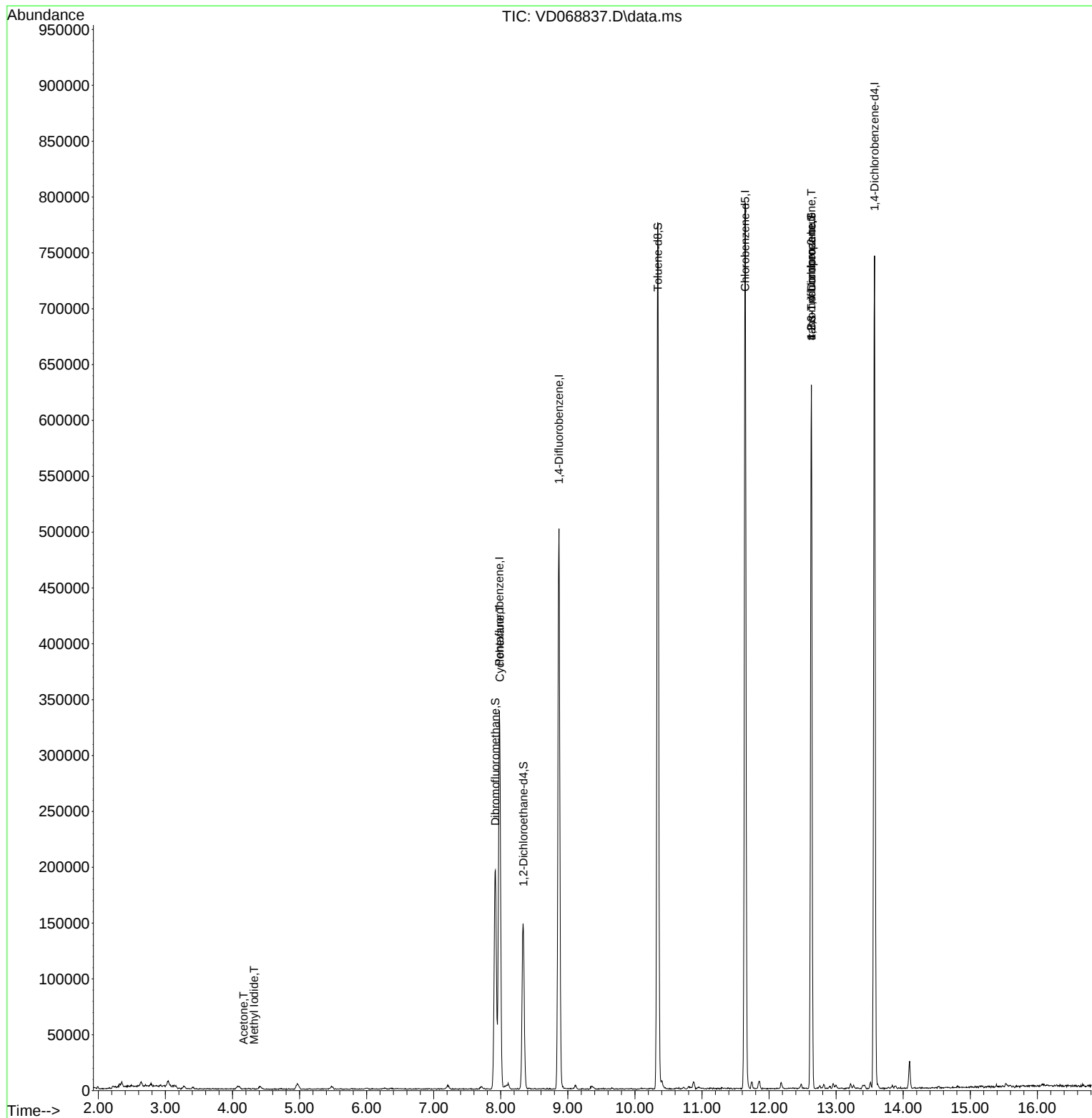
Internal Standards						
1) Pentafluorobenzene	7.979	168	259719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	457043	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	472800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	205389	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	119725	43.62	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.24%
35) Dibromofluoromethane	7.920	113	143792	48.37	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.74%
50) Toluene-d8	10.344	98	568204	50.67	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.34%
62) 4-Bromofluorobenzene	12.632	95	203187	54.55	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	109.10%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.320	142	810	2.49	ug/l #	41
16) Acetone	4.167	43	402	1.06	ug/l #	40
20) Methylene Chloride	4.967	84	4374	Below Cal	#	89
31) Cyclohexane	7.985	56	6018	1.32	ug/l #	16
76) 1,2,3-Trichloropropane	12.632	75	101818	54.26	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	101818	125.93	ug/l #	16

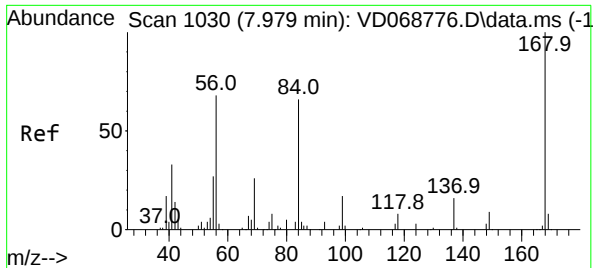
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

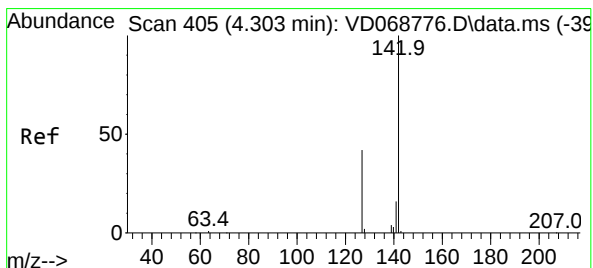
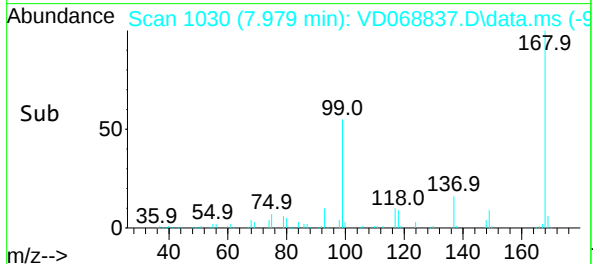
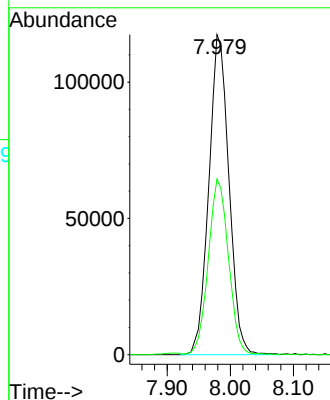
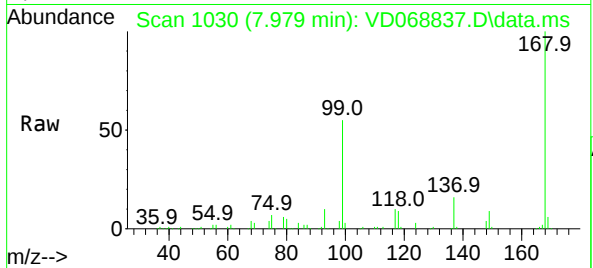




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD068837.D
Acq: 12 Apr 2021 17:32

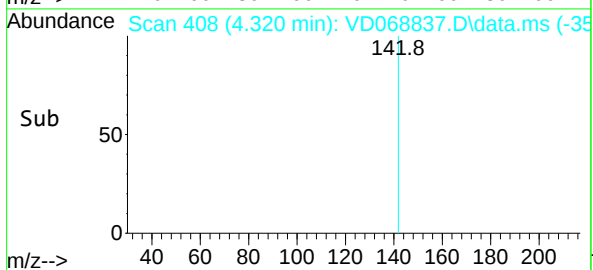
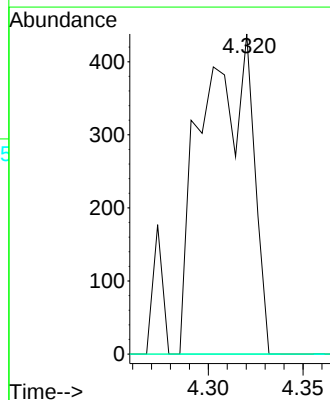
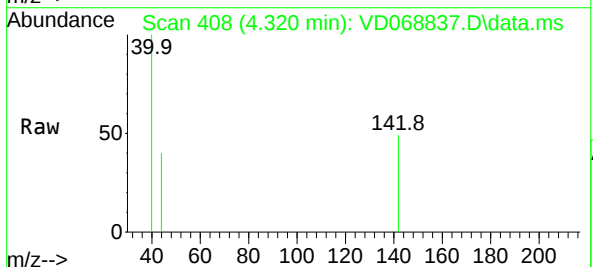
Instrument :
MSVOA_D
ClientSampled :

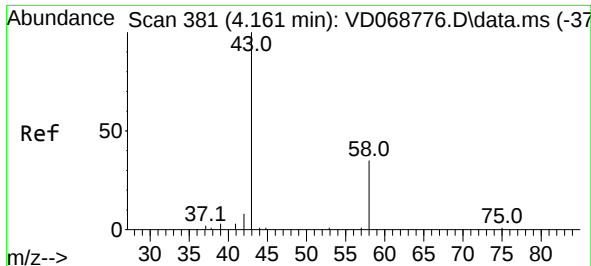
Tgt Ion:168 Resp: 259719
Ion Ratio Lower Upper
168 100
99 54.7 46.2 69.2



#10
Methyl Iodide
Concen: 2.49 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.017 min
Lab File: VD068837.D
Acq: 12 Apr 2021 17:32

Tgt Ion:142 Resp: 810
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.0 16.4#

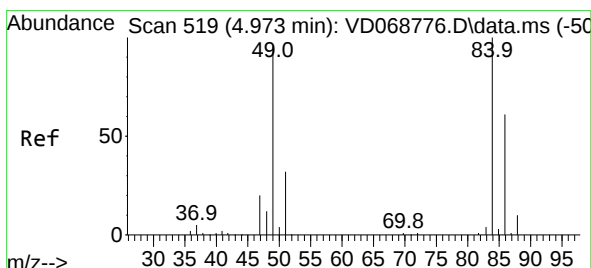
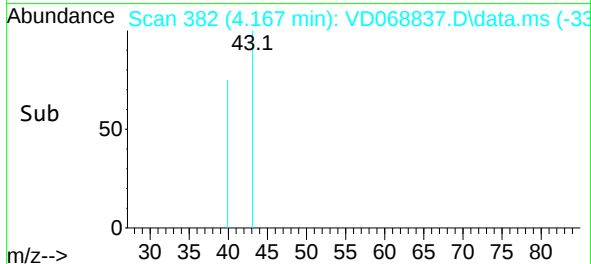
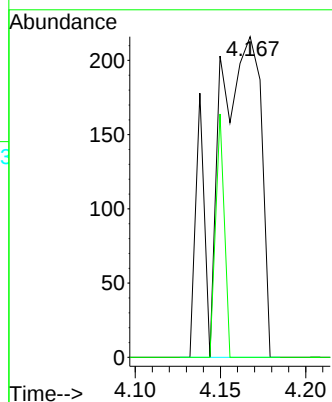
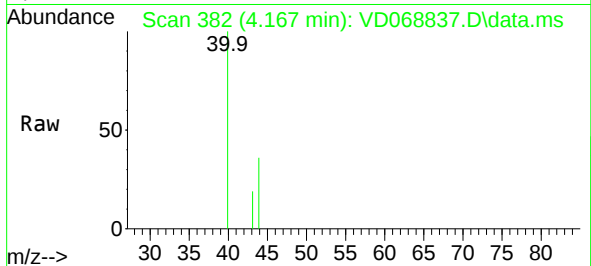




#16
Acetone
Concen: 1.06 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD068837.D
Acq: 12 Apr 2021 17:32

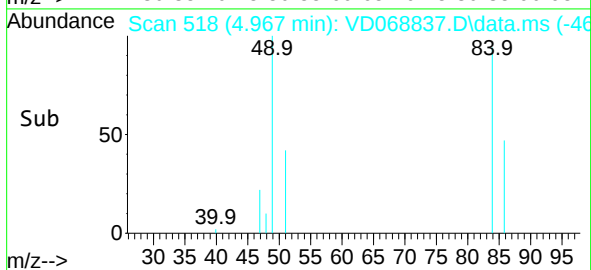
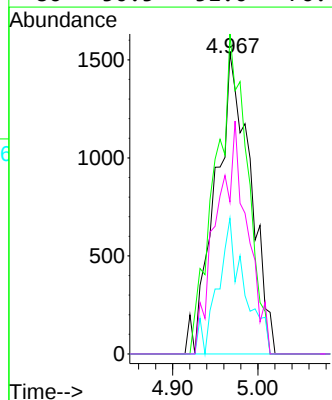
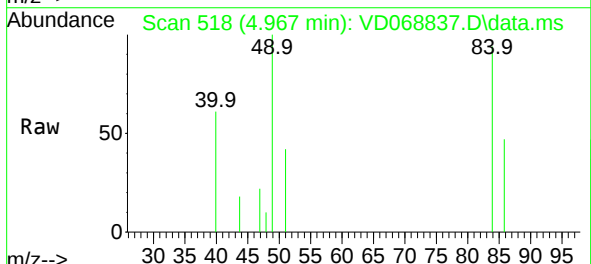
Instrument :
MSVOA_D
ClientSampled :

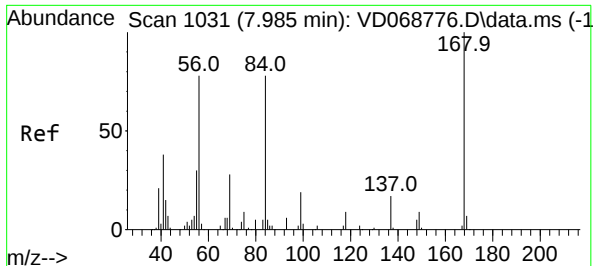
Tgt Ion: 43 Resp: 402
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD068837.D
Acq: 12 Apr 2021 17:32

Tgt Ion: 84 Resp: 4374
Ion Ratio Lower Upper
84 100
49 106.3 83.4 125.0
51 45.1 23.4 35.2#
86 50.5 51.0 76.4#





#31

Cyclohexane

Concen: 1.32 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VD068837.D

Acq: 12 Apr 2021 17:32

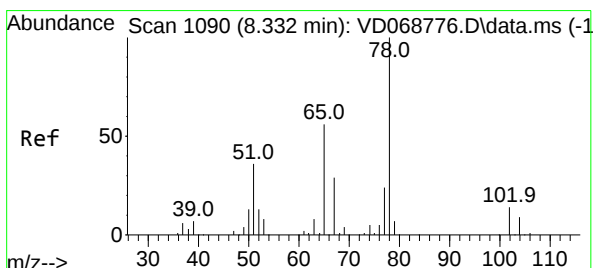
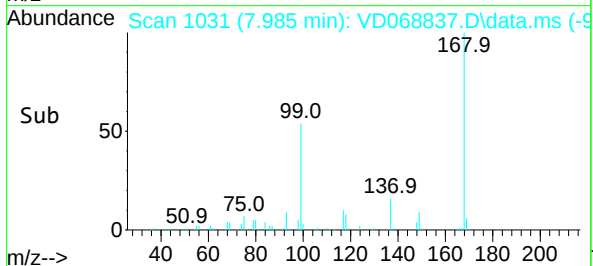
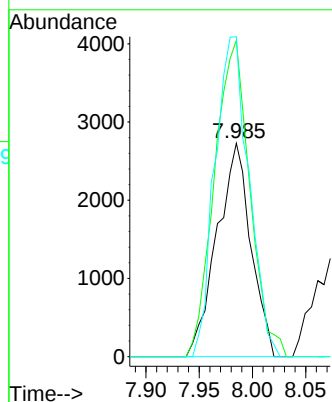
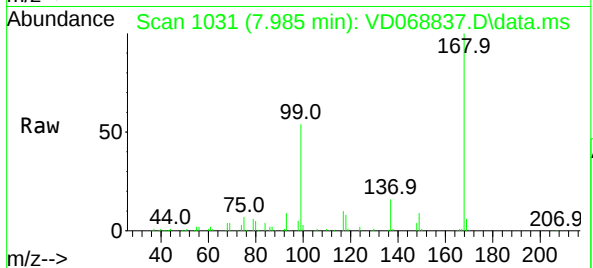
Tgt Ion: 56 Resp: 6018

Ion Ratio Lower Upper

56 100

69 148.2 30.0 45.0#

84 150.0 82.0 123.0#



#33

1,2-Dichloroethane-d4

Concen: 43.62 ug/l

RT: 8.338 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VD068837.D

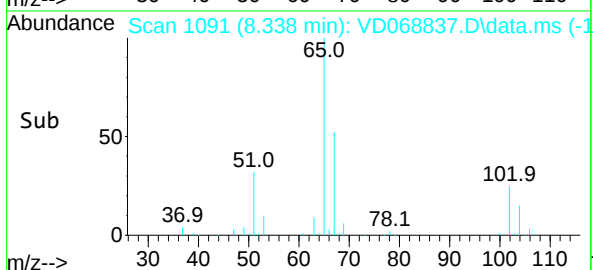
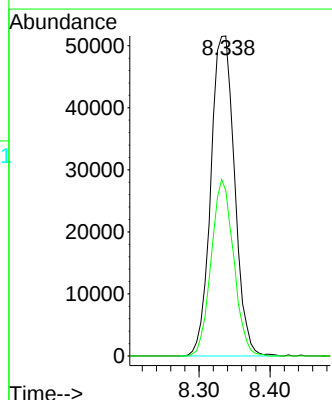
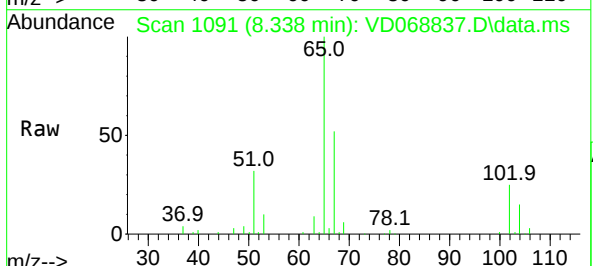
Acq: 12 Apr 2021 17:32

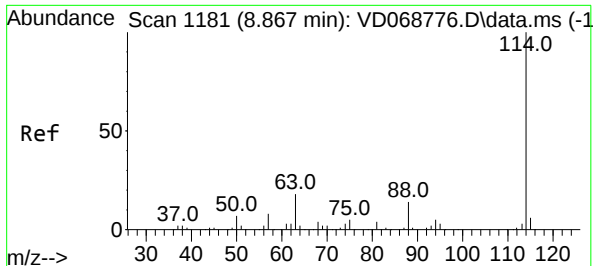
Tgt Ion: 65 Resp: 119725

Ion Ratio Lower Upper

65 100

67 52.0 0.0 106.0

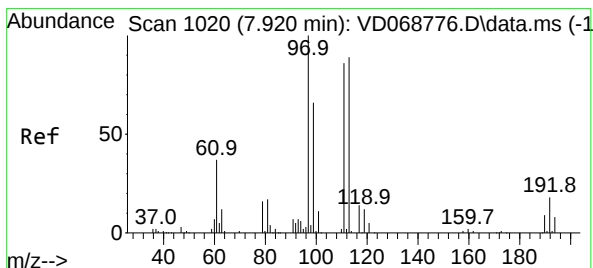
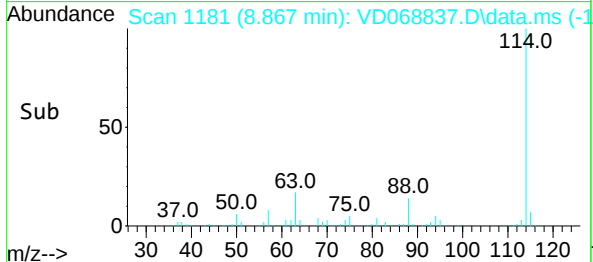
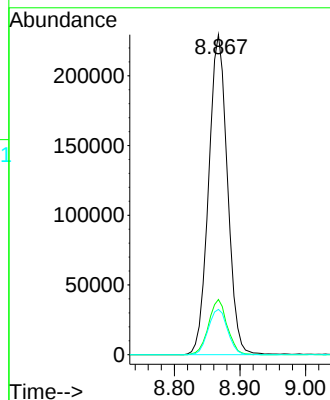
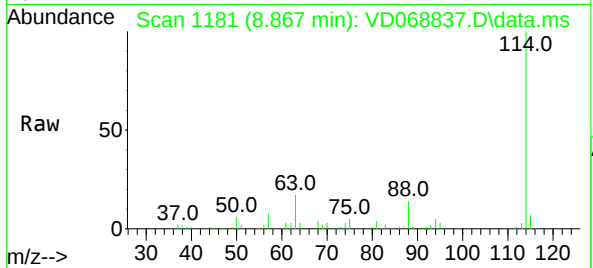




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068837.D
Acq: 12 Apr 2021 17:32

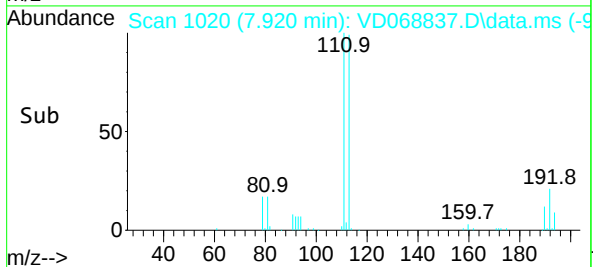
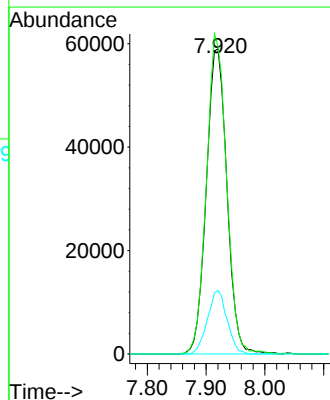
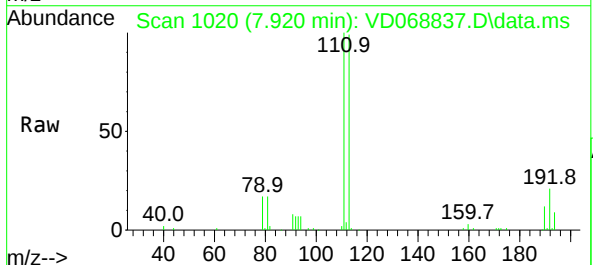
Instrument :
MSVOA_D
ClientSampled :

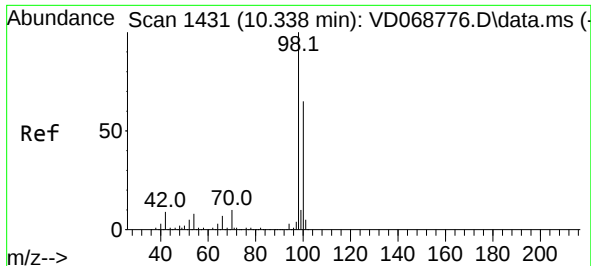
Tgt Ion:114 Resp: 457043
Ion Ratio Lower Upper
114 100
63 17.2 0.0 38.2
88 14.2 0.0 29.4



#35
Dibromofluoromethane
Concen: 48.37 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068837.D
Acq: 12 Apr 2021 17:32

Tgt Ion:113 Resp: 143792
Ion Ratio Lower Upper
113 100
111 102.6 82.5 123.7
192 19.8 15.1 22.7

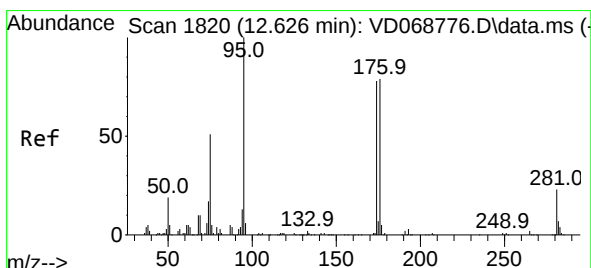
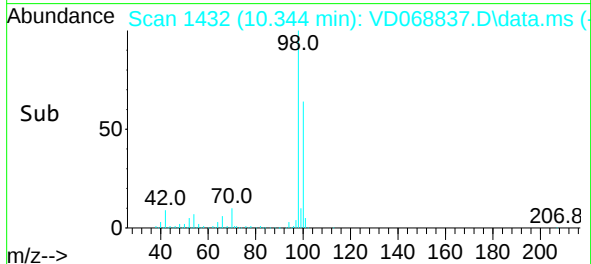
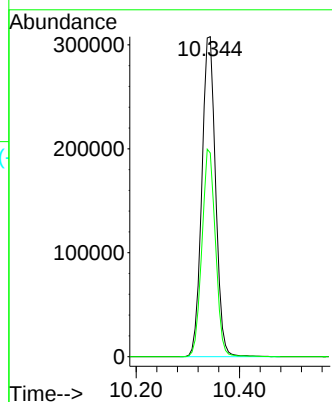
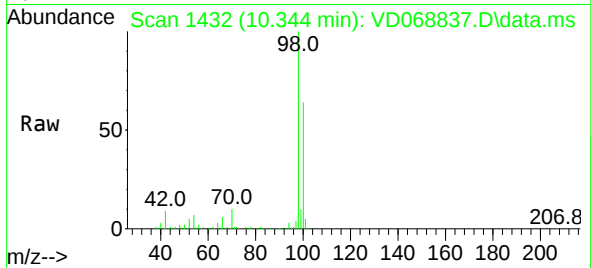




#50
Toluene-d8
Concen: 50.67 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VD068837.D
Acq: 12 Apr 2021 17:32

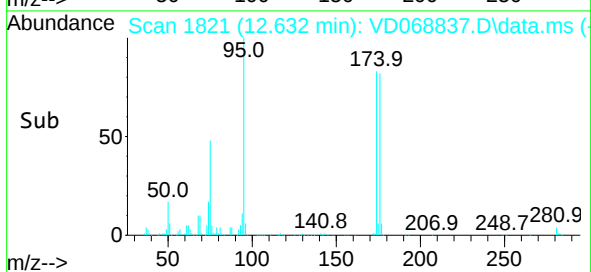
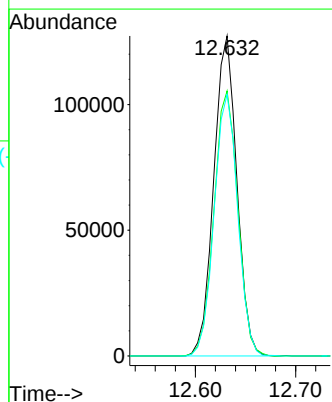
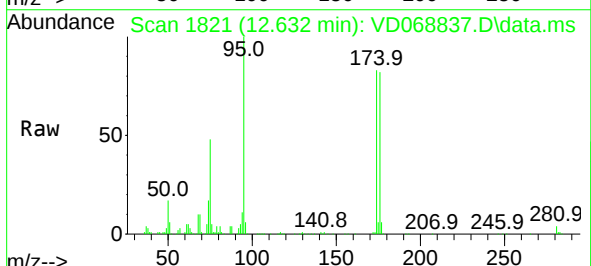
Instrument :
MSVOA_D
ClientSampled :

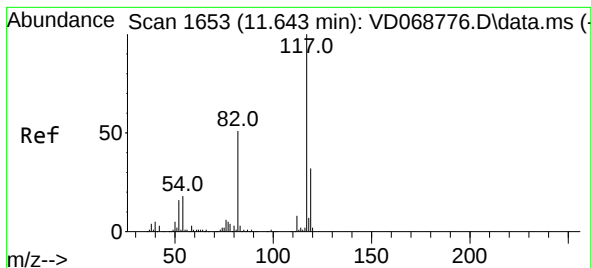
Tgt Ion: 98 Resp: 568204
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 54.55 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068837.D
Acq: 12 Apr 2021 17:32

Tgt Ion: 95 Resp: 203187
Ion Ratio Lower Upper
95 100
174 85.9 0.0 168.0
176 83.4 0.0 160.2

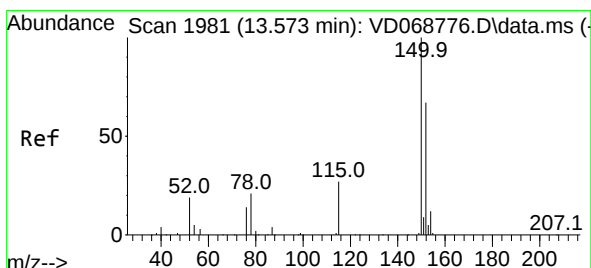
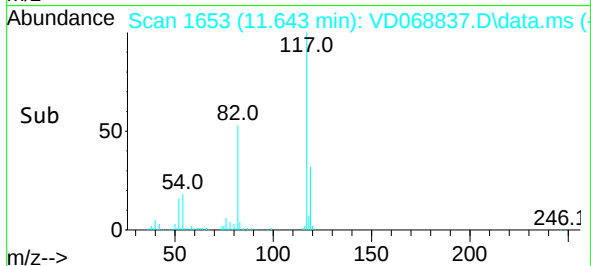
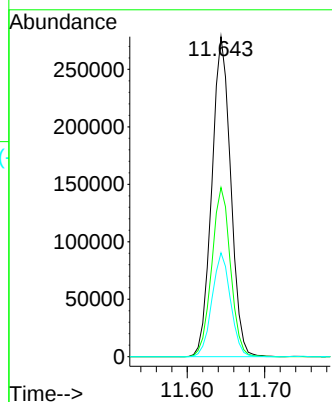
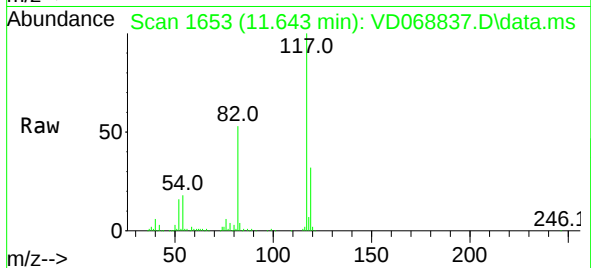




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068837.D
Acq: 12 Apr 2021 17:32

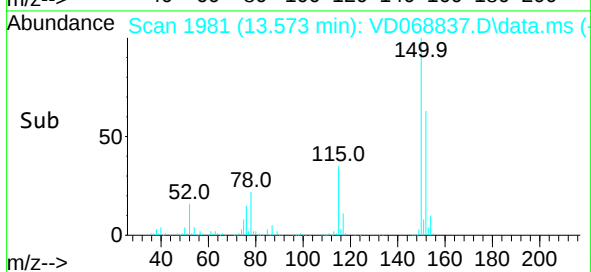
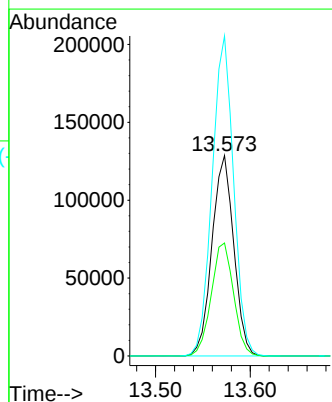
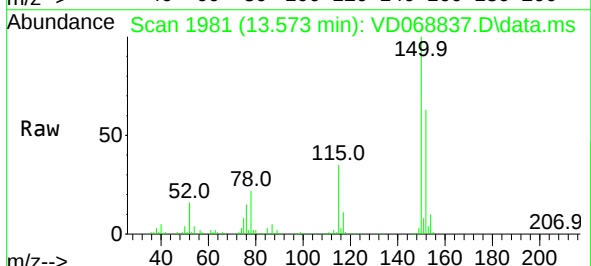
Instrument :
MSVOA_D
ClientSampleId :

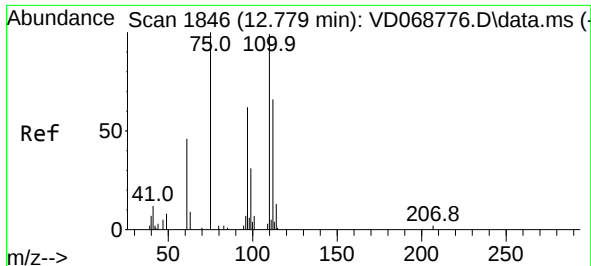
Tgt Ion:117 Resp: 472800
Ion Ratio Lower Upper
117 100
82 52.8 43.5 65.3
119 32.5 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068837.D
Acq: 12 Apr 2021 17:32

Tgt Ion:152 Resp: 205389
Ion Ratio Lower Upper
152 100
115 57.7 29.3 87.8
150 157.2 0.0 347.6

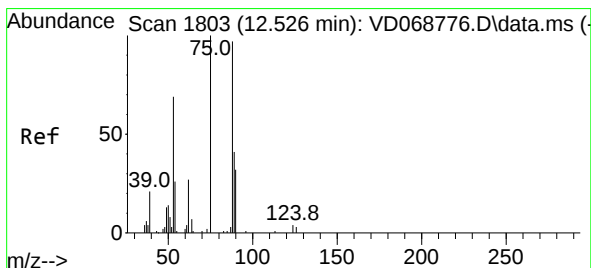
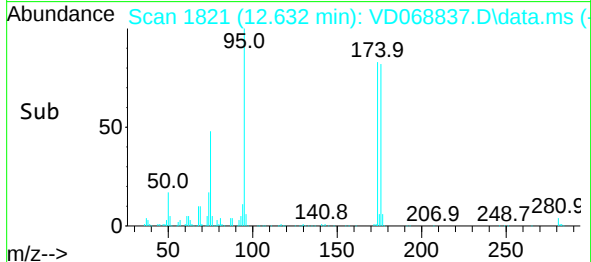
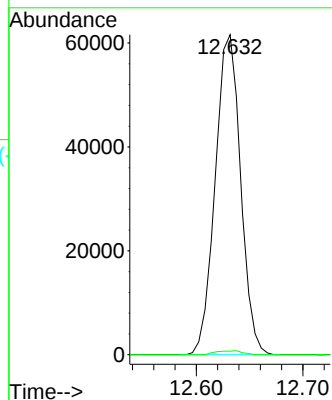
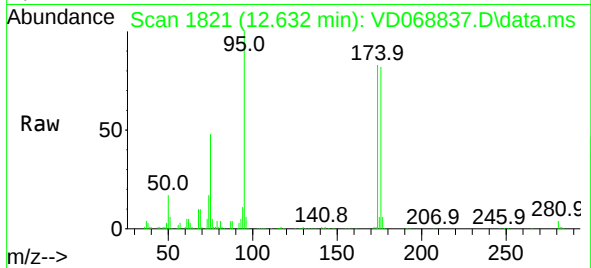




#76
1,2,3-Trichloropropane
Concen: 54.26 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD068837.D
Acq: 12 Apr 2021 17:32

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 101818
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.93 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068837.D
Acq: 12 Apr 2021 17:32

Tgt Ion: 75 Resp: 101818
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 36.6 54.8#

