

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020421\
 Data File : VD068279.D
 Acq On : 04 Feb 2021 16:24
 Operator : VA/SY
 Sample : M1286-04RE
 Misc : 4.18G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 05 00:04:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

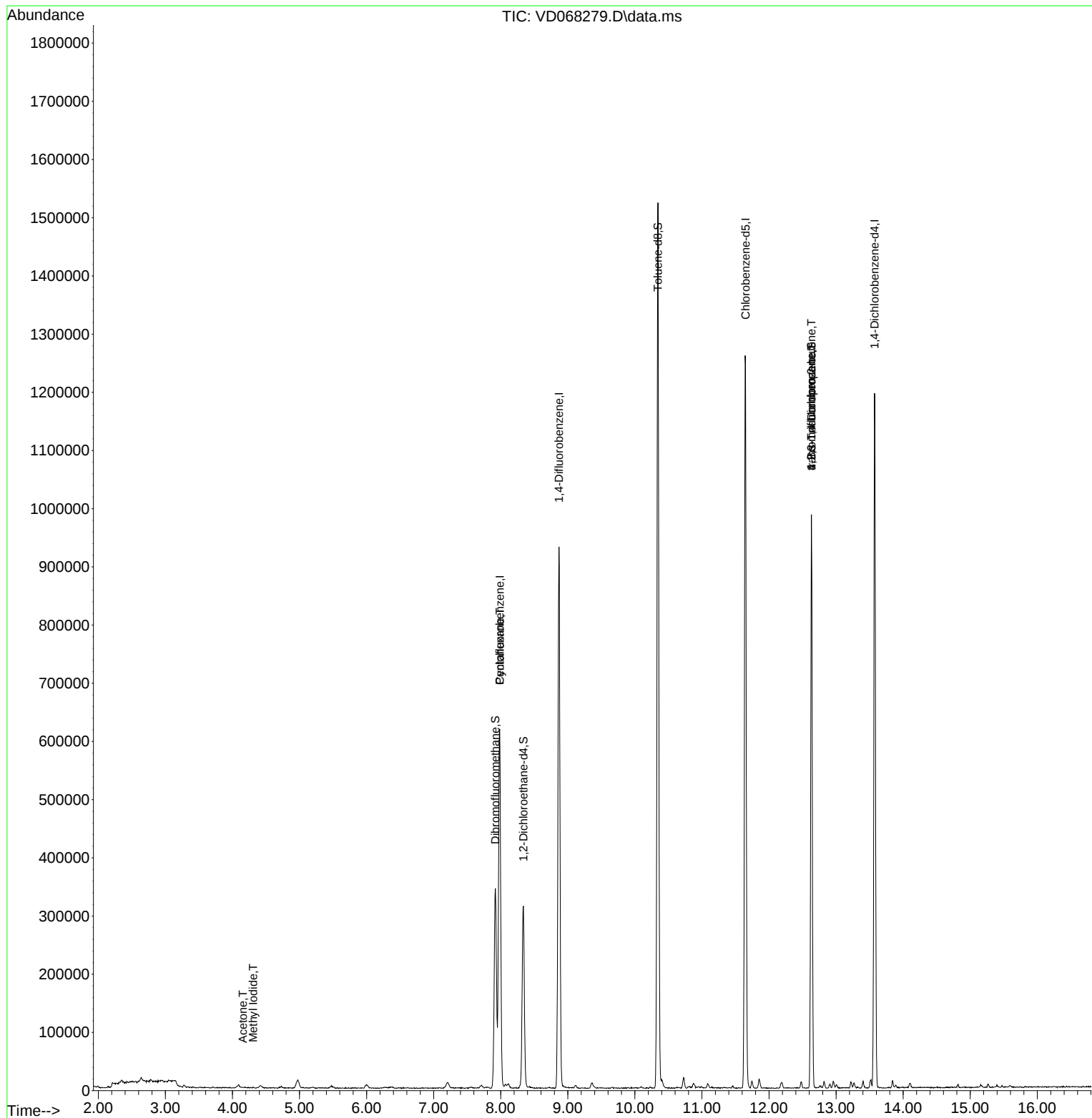
Internal Standards						
1) Pentafluorobenzene	7.985	168	460591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	840351	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	758375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	324138	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	249478	56.62	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.24%
35) Dibromofluoromethane	7.920	113	252336	54.31	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.62%
50) Toluene-d8	10.344	98	1062168	57.16	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	114.32%
62) 4-Bromofluorobenzene	12.632	95	330133	49.33	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.66%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.309	142	1257	3.37	ug/l #	65
11) Tert butyl alcohol	5.209	59	381	Below Cal	#	74
16) Acetone	4.156	43	896	1.14	ug/l #	88
20) Methylene Chloride	4.967	84	10654	Below Cal		89
31) Cyclohexane	7.985	56	14139	1.48	ug/l #	38
76) 1,2,3-Trichloropropane	12.632	75	168261	53.69	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	168261	108.64	ug/l #	13

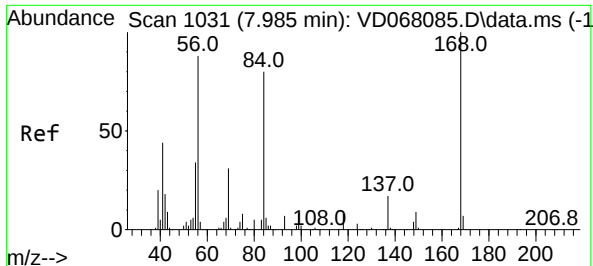
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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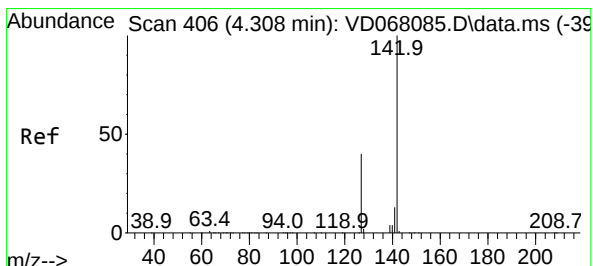
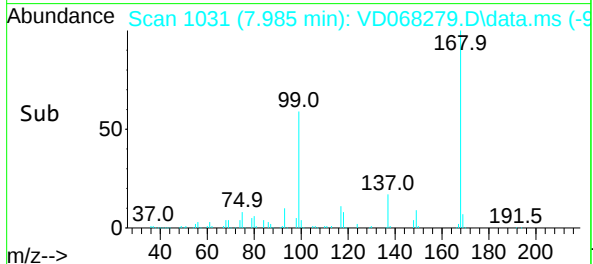
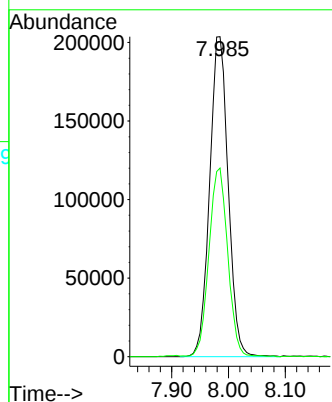
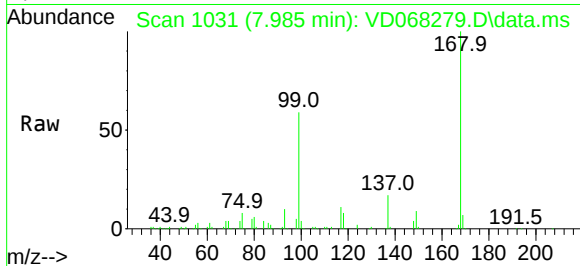




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068279.D
Acq: 04 Feb 2021 16:24

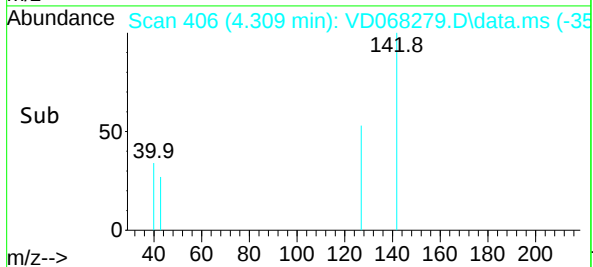
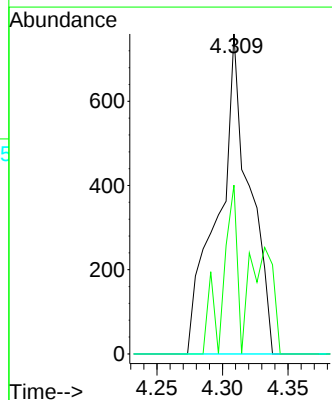
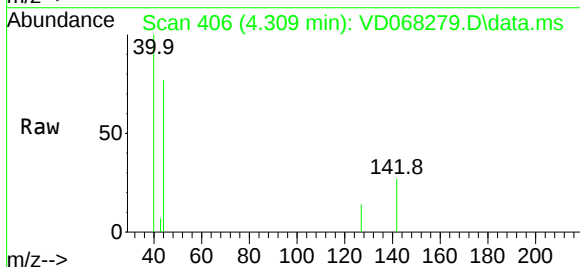
Instrument :
MSVOA_D
ClientSampled :

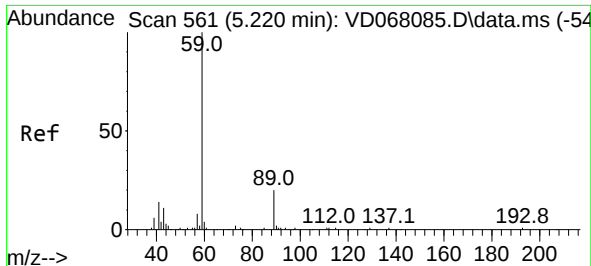
Tgt Ion:168 Resp: 460591
Ion Ratio Lower Upper
168 100
99 59.0 43.5 65.3



#10
Methyl Iodide
Concen: 3.37 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.001 min
Lab File: VD068279.D
Acq: 04 Feb 2021 16:24

Tgt Ion:142 Resp: 1257
Ion Ratio Lower Upper
142 100
127 23.9 37.9 56.9#
141 0.0 11.5 17.3#

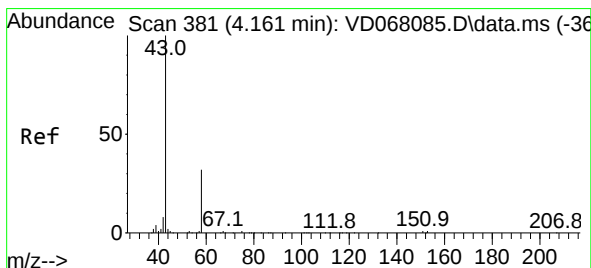
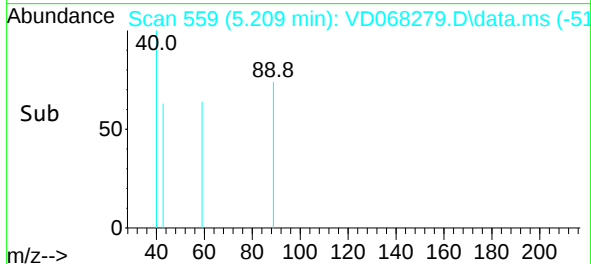
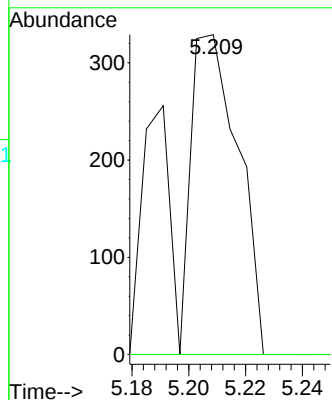
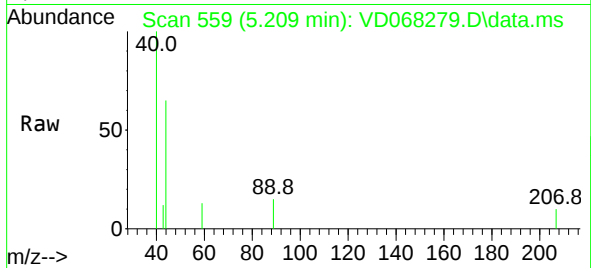




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.011 min
Lab File: VD068279.D
Acq: 04 Feb 2021 16:24

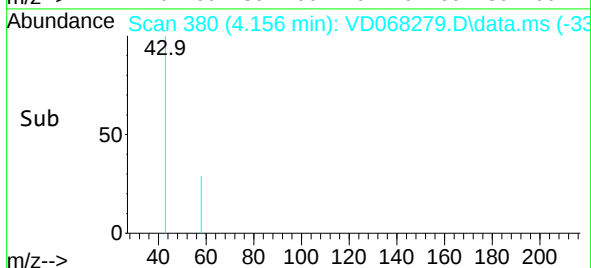
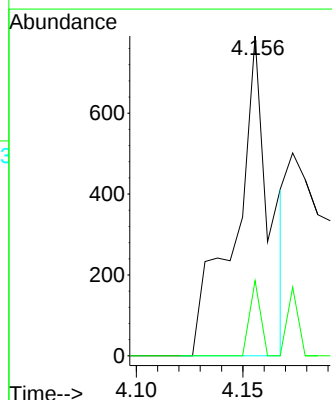
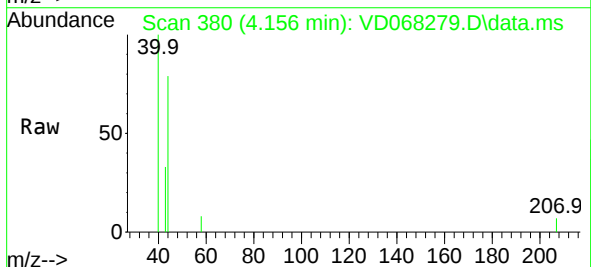
Instrument :
MSVOA_D
ClientSampled :

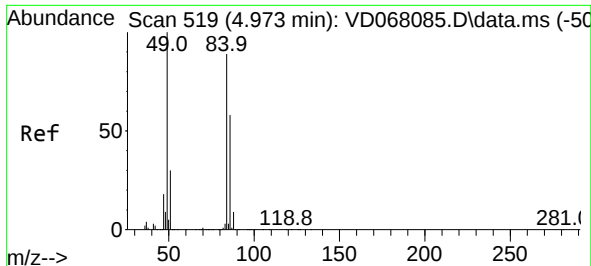
Tgt Ion: 59 Resp: 381
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 1.14 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068279.D
Acq: 04 Feb 2021 16:24

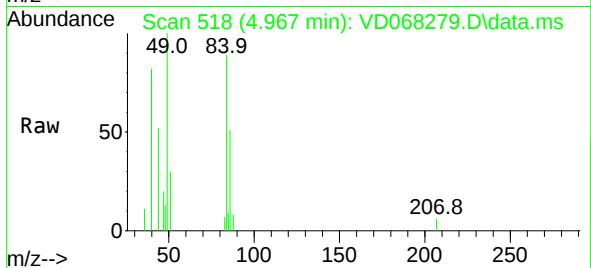
Tgt Ion: 43 Resp: 896
Ion Ratio Lower Upper
43 100
58 23.5 24.2 36.4#





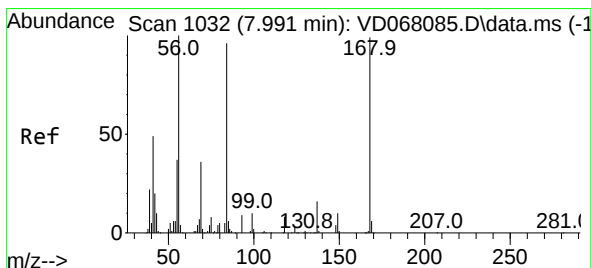
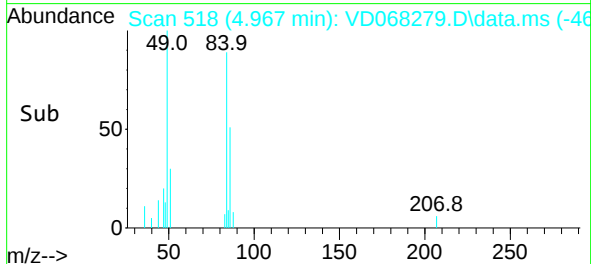
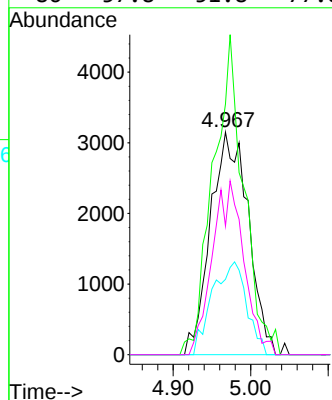
#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD068279.D
Acq: 04 Feb 2021 16:24

Instrument :
MSVOA_D
ClientSampleId :

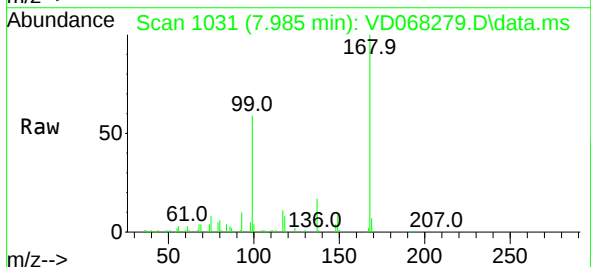


Tgt Ion: 84 Resp: 10654

Ion	Ratio	Lower	Upper
84	100		
49	112.7	77.4	116.2
51	33.9	26.1	39.1
86	57.8	51.8	77.8

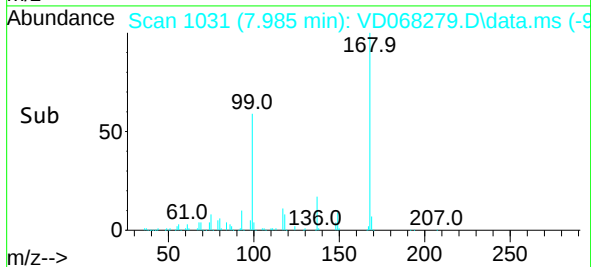
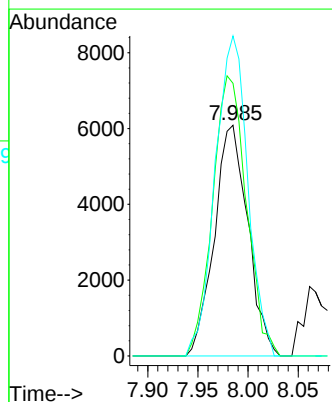


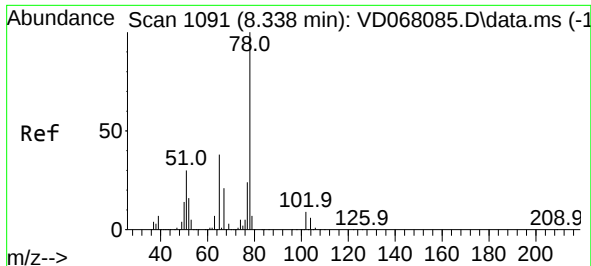
#31
Cyclohexane
Concen: 1.48 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD068279.D
Acq: 04 Feb 2021 16:24



Tgt Ion: 56 Resp: 14139

Ion	Ratio	Lower	Upper
56	100		
69	118.2	30.1	45.1#
84	138.7	82.1	123.1#

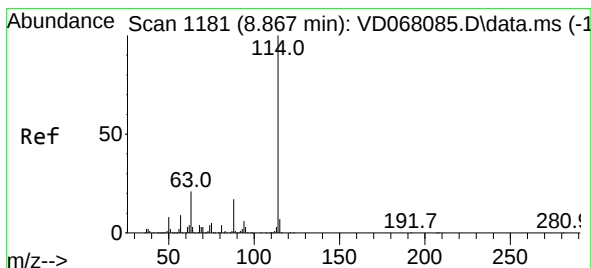
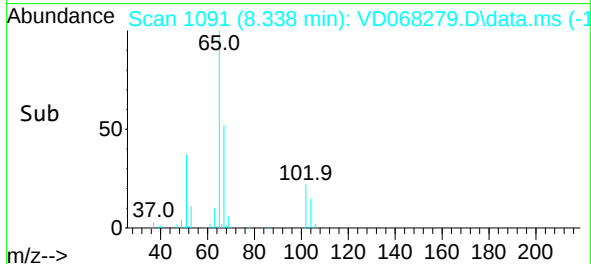
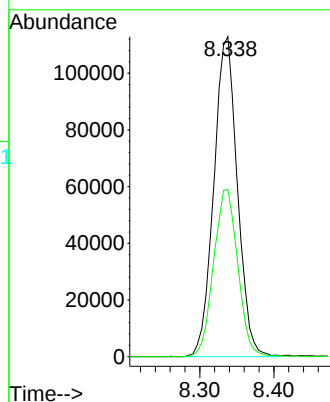
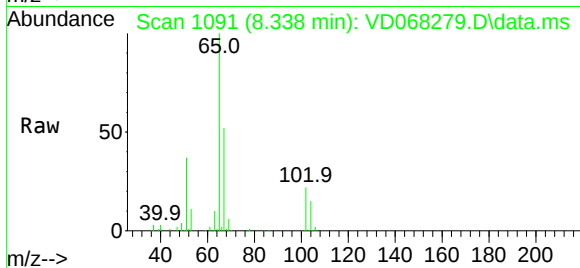




#33
1,2-Dichloroethane-d4
Concen: 56.62 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VD068279.D
Acq: 04 Feb 2021 16:24

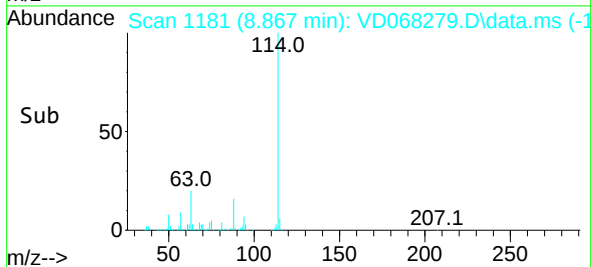
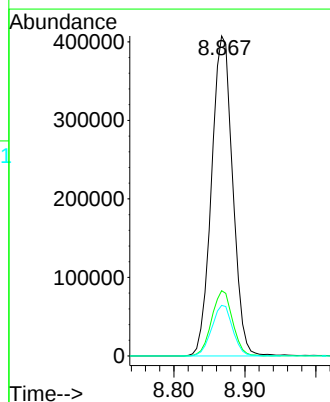
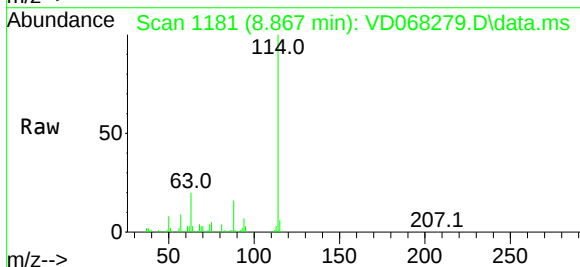
Instrument :
MSVOA_D
ClientSampleId :

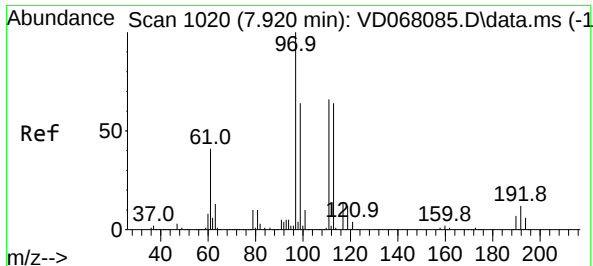
Tgt Ion: 65 Resp: 249478
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068279.D
Acq: 04 Feb 2021 16:24

Tgt Ion: 114 Resp: 840351
Ion Ratio Lower Upper
114 100
63 20.4 0.0 34.8
88 15.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 54.31 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068279.D

Acq: 04 Feb 2021 16:24

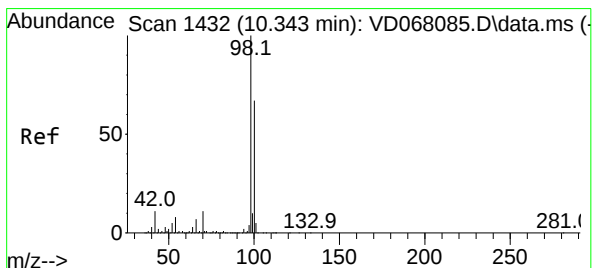
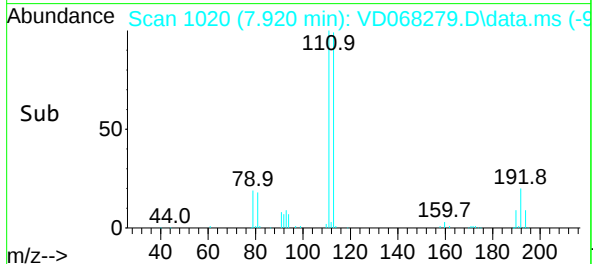
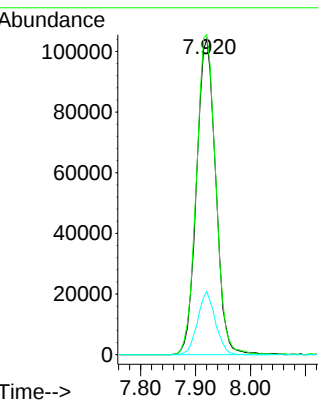
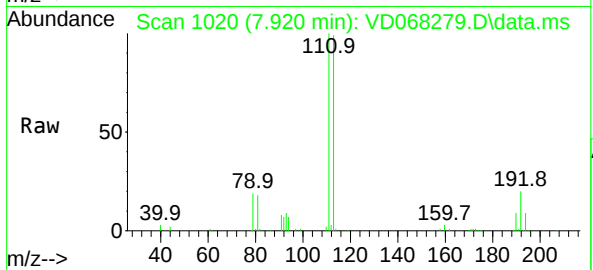
Tgt Ion:113 Resp: 252336

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

192 18.4 16.1 24.1



#50

Toluene-d8

Concen: 57.16 ug/l

RT: 10.344 min Scan# 1432

Delta R.T. 0.000 min

Lab File: VD068279.D

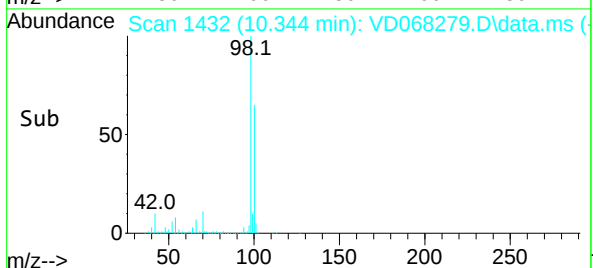
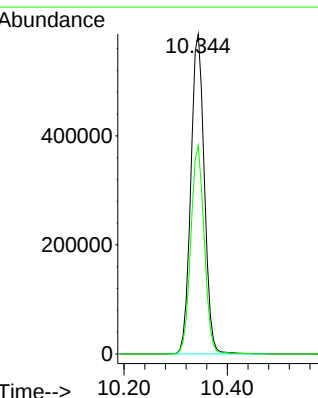
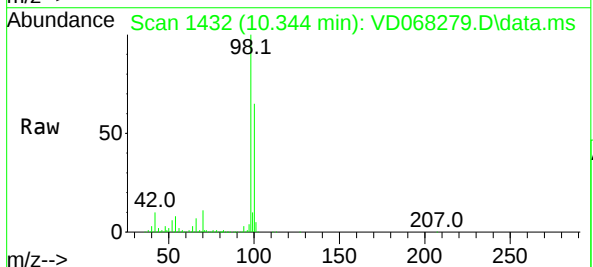
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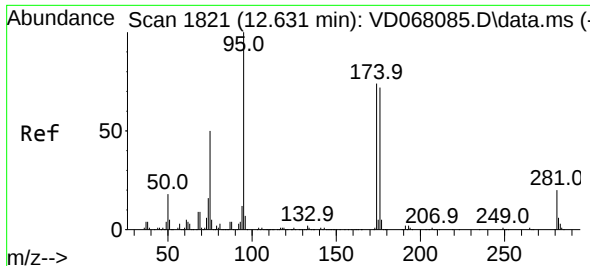
Tgt Ion: 98 Resp: 1062168

Ion Ratio Lower Upper

98 100

100 65.0 53.0 79.4

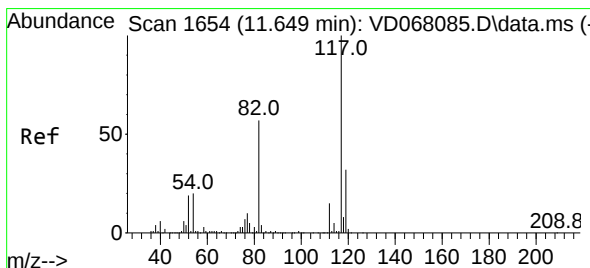
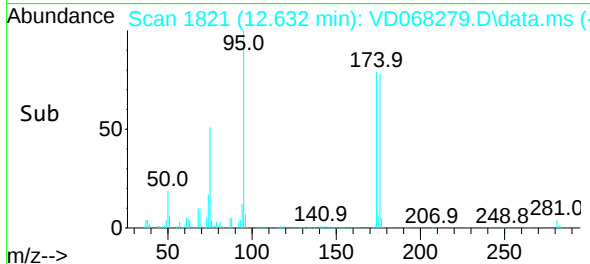
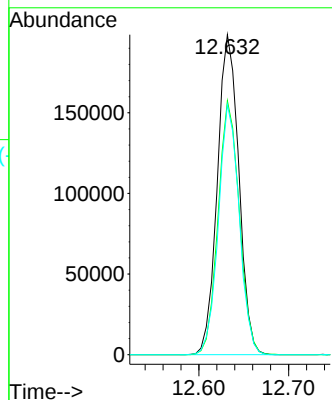
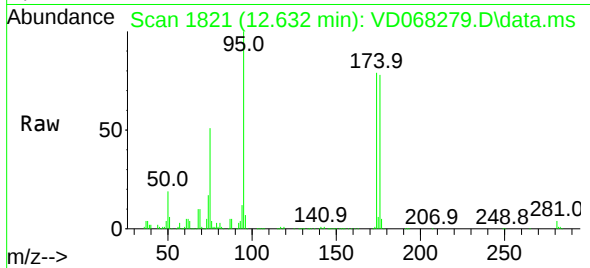




#62
4-Bromofluorobenzene
Concen: 49.33 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068279.D
Acq: 04 Feb 2021 16:24

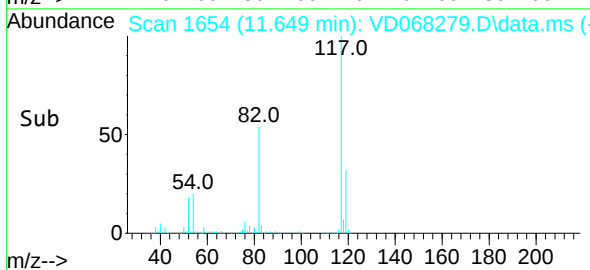
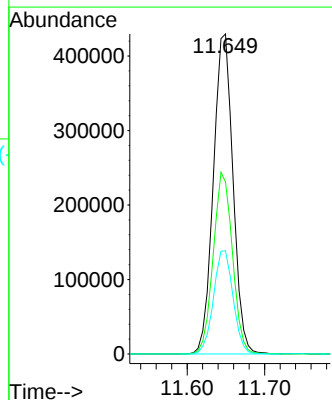
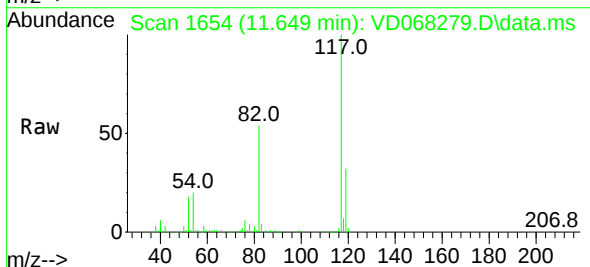
Instrument :
MSVOA_D
ClientSampled :

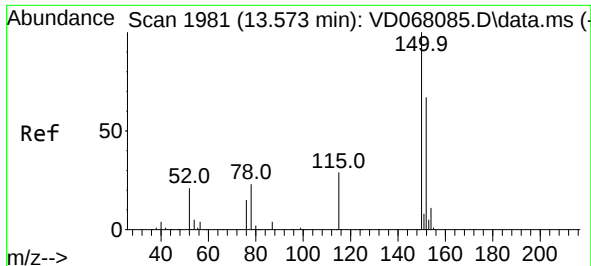
Tgt Ion: 95 Resp: 330133
Ion Ratio Lower Upper
95 100
174 78.3 0.0 172.4
176 75.4 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068279.D
Acq: 04 Feb 2021 16:24

Tgt Ion:117 Resp: 758375
Ion Ratio Lower Upper
117 100
82 53.8 41.4 62.0
119 32.3 26.1 39.1

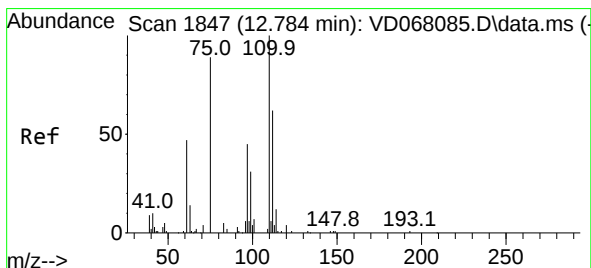
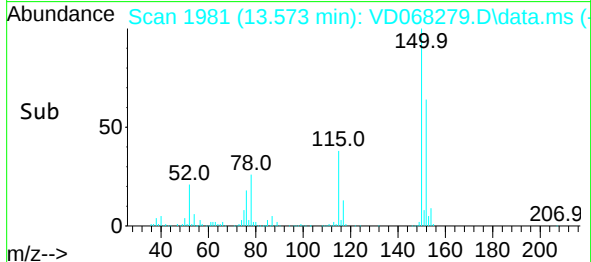
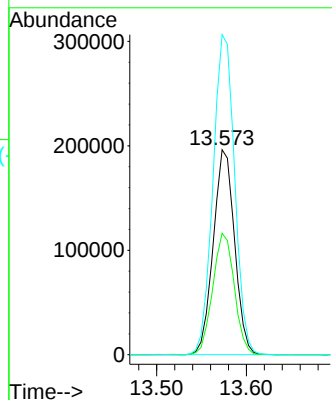
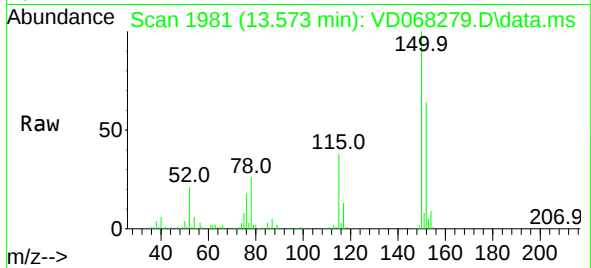




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068279.D
Acq: 04 Feb 2021 16:24

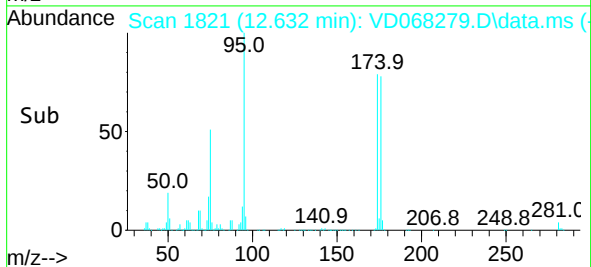
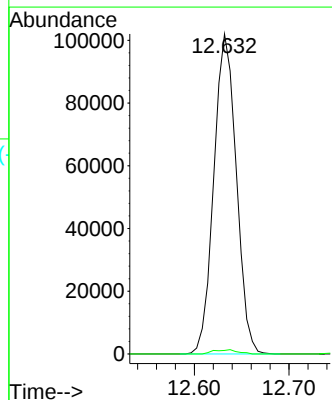
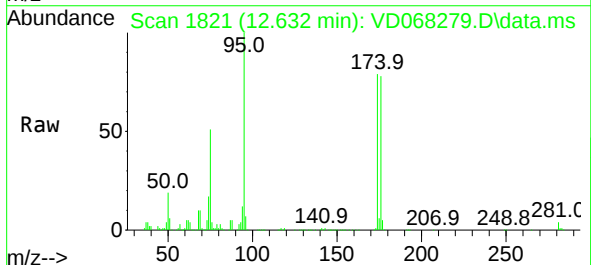
Instrument :
MSVOA_D
ClientSampleId :

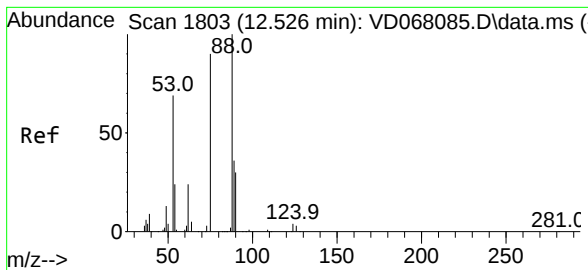
Tgt Ion:152 Resp: 324138
Ion Ratio Lower Upper
152 100
115 59.9 28.9 86.8
150 158.4 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 53.69 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068279.D
Acq: 04 Feb 2021 16:24

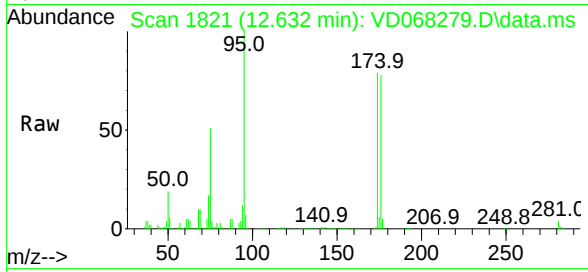
Tgt Ion: 75 Resp: 168261
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.64 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068279.D
 Acq: 04 Feb 2021 16:24

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 168261
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.2 105.2#
 89 0.0 40.3 60.5#

