

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051021\
 Data File : VD069128.D
 Acq On : 10 May 2021 17:39
 Operator : VA/SY
 Sample : M2325-02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

Quant Time: May 11 01:04:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 04:16:41 2021
 Response via : Initial Calibration

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

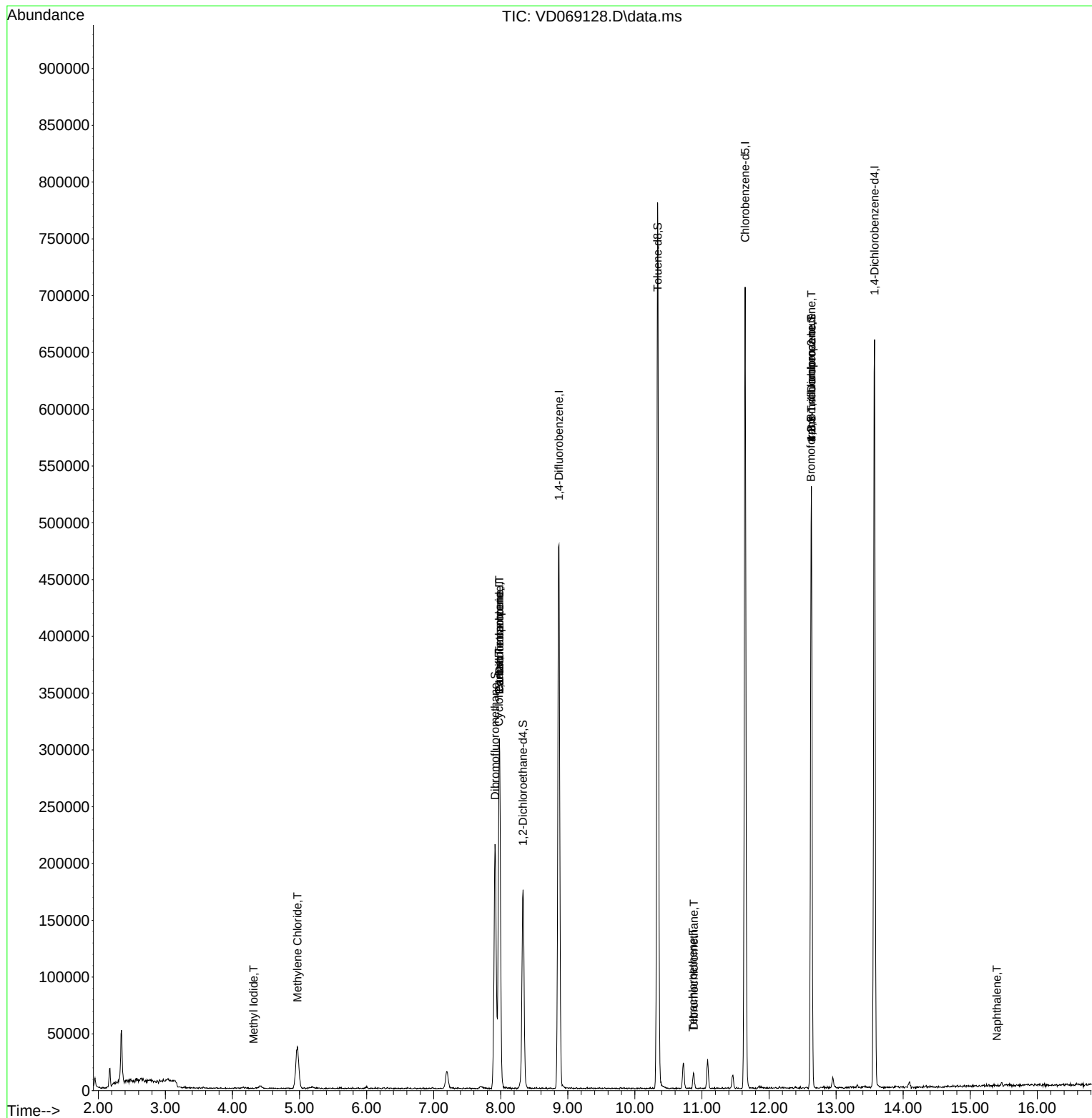
Internal Standards						
1) Pentafluorobenzene	7.979	168	226557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	424527	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	410650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	177992	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	138598	47.47	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.94%		
35) Dibromofluoromethane	7.914	113	151278	51.96	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.92%		
50) Toluene-d8	10.338	98	532362	49.53	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.06%		
62) 4-Bromofluorobenzene	12.632	95	161148	45.58	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	91.16%		
Target Compounds						Qvalue
10) Methyl Iodide	4.315	142	58	3.19	ug/l #	35
11) Tert butyl alcohol	5.203	59	121	Below Cal	#	81
16) Acetone	4.168	43	1647	Below Cal		100
20) Methylene Chloride	4.967	84	31133	4.75	ug/l	90
31) Cyclohexane	7.973	56	5365	1.27	ug/l #	36
36) 1,1-Dichloropropene	7.979	75	18999	4.25	ug/l #	49
38) Carbon Tetrachloride	7.979	117	24182	4.99	ug/l #	18
60) Dibromochloromethane	10.879	129	3145	1.02	ug/l #	11
64) Tetrachloroethene	10.867	164	2991	1.13	ug/l	95
71) Bromoform	12.626	173	1904	1.17	ug/l #	1
76) 1,2,3-Trichloropropane	12.632	75	82180	53.04	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	82180	115.40	ug/l #	10
95) Naphthalene	15.396	128	61	2.84	ug/l #	69

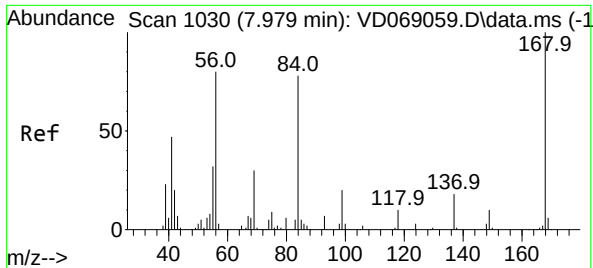
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
Quant Title : SW846 8260
QLast Update : Wed May 05 04:16:41 2021
Response via : Initial Calibration

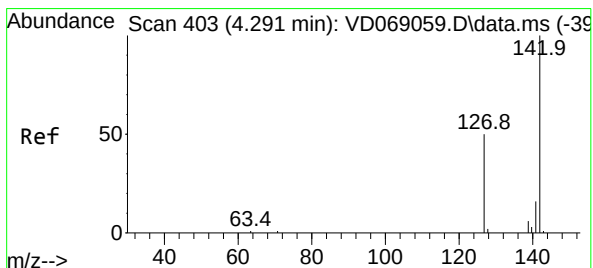
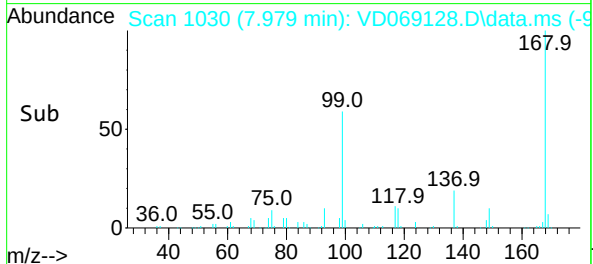
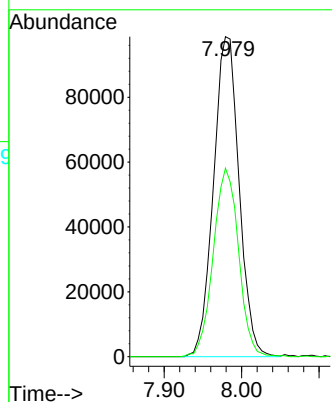
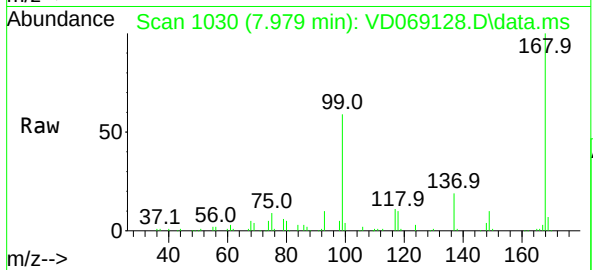




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069128.D
Acq: 10 May 2021 17:39

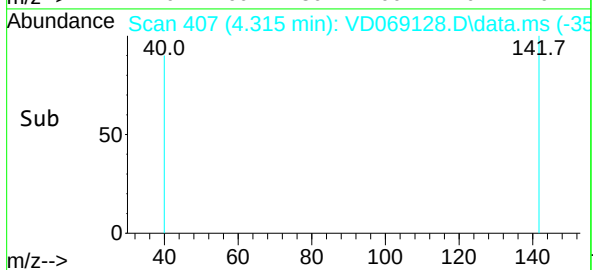
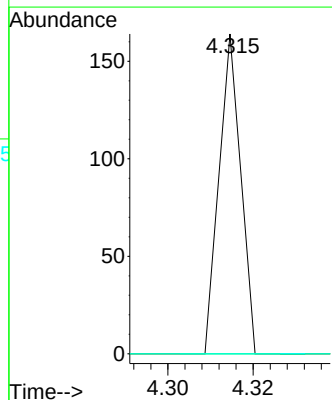
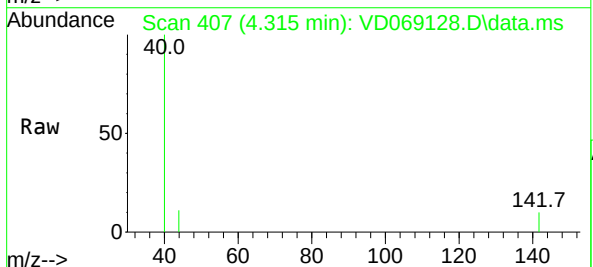
Instrument :
MSVOA_D
ClientSampled :
VOC

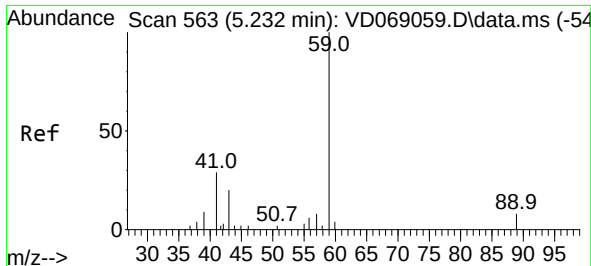
Tgt Ion:168 Resp: 226557
Ion Ratio Lower Upper
168 100
99 58.9 52.6 78.8



#10
Methyl Iodide
Concen: 3.19 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.024 min
Lab File: VD069128.D
Acq: 10 May 2021 17:39

Tgt Ion:142 Resp: 58
Ion Ratio Lower Upper
142 100
127 0.0 41.6 62.4#
141 0.0 12.2 18.4#



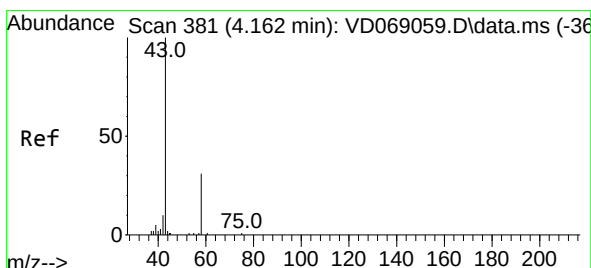
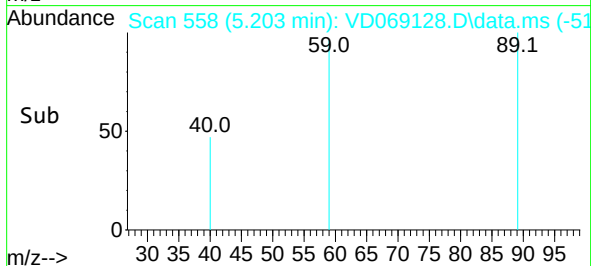
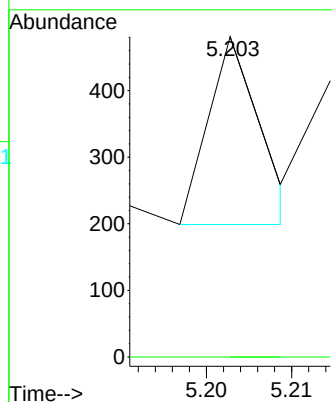
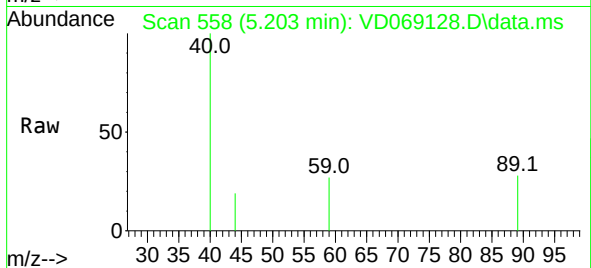


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.203 min Scan# 558
Delta R.T. -0.029 min
Lab File: VD069128.D
Acq: 10 May 2021 17:39

Instrument :
MSVOA_D
ClientSampled :
VOC

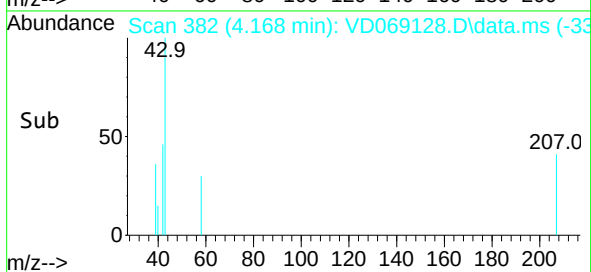
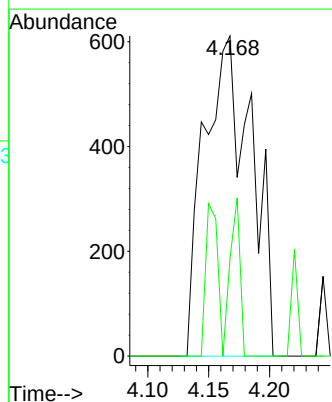
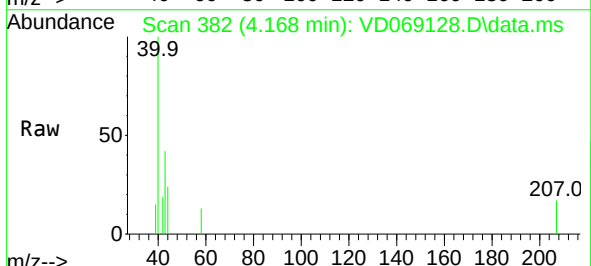
Tgt Ion: 59 Resp: 121
Ion Ratio Lower Upper
59 100
57 0.0 5.3 7.9#

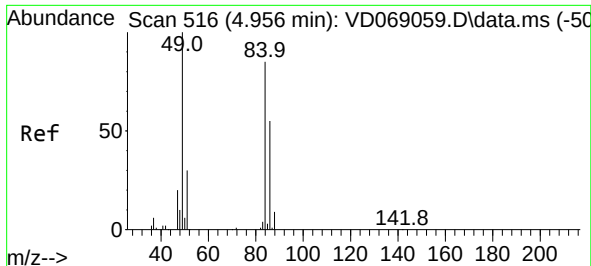


#16

Acetone
Concen: Below Cal
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069128.D
Acq: 10 May 2021 17:39

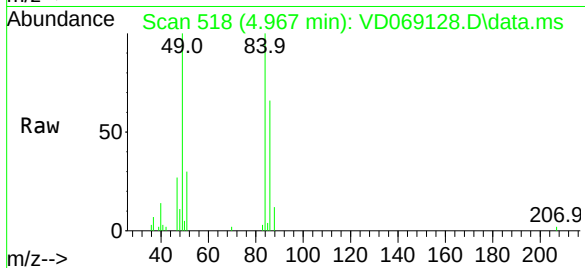
Tgt Ion: 43 Resp: 1647
Ion Ratio Lower Upper
43 100
58 30.4 24.5 36.7



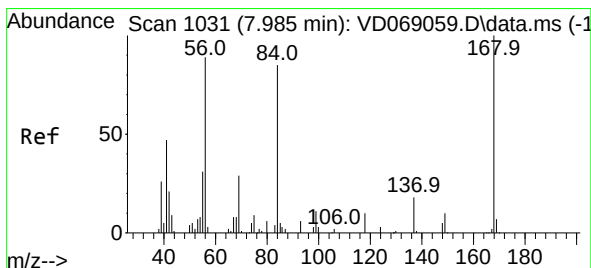
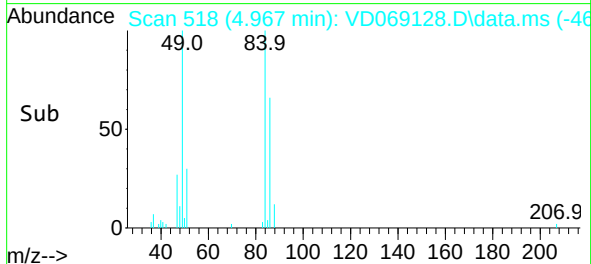
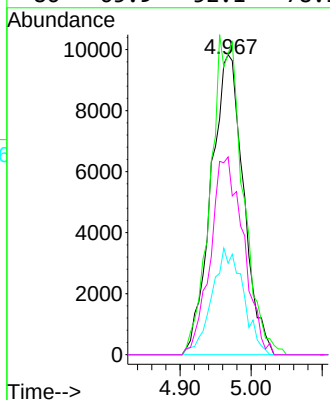


#20
Methylene Chloride
Concen: 4.75 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.011 min
Lab File: VD069128.D
Acq: 10 May 2021 17:39

Instrument :
MSVOA_D
ClientSampleId :
VOC

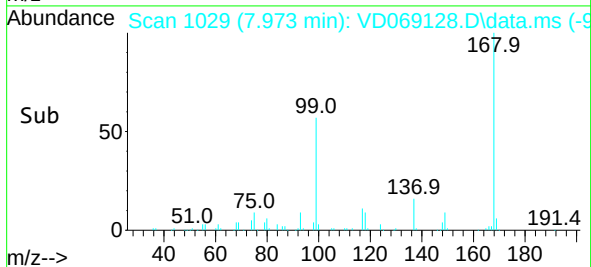
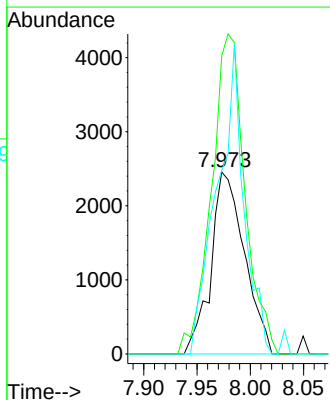
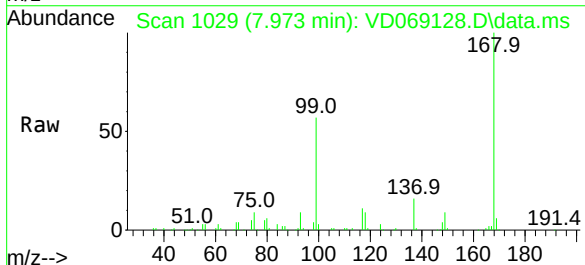


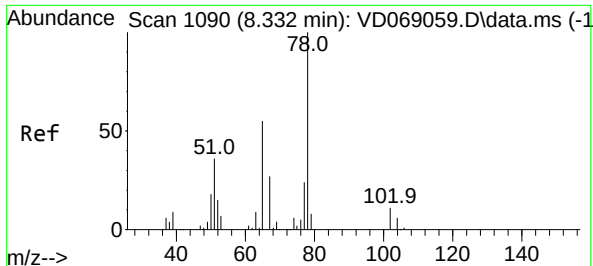
Tgt Ion:	84	Resp:	31133
Ion	Ratio	Lower	Upper
84	100		
49	100.4	93.9	140.9
51	30.4	27.9	41.9
86	65.9	52.1	78.1



#31
Cyclohexane
Concen: 1.27 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069128.D
Acq: 10 May 2021 17:39

Tgt Ion:	56	Resp:	5365
Ion	Ratio	Lower	Upper
56	100		
69	163.8	26.3	39.5#
84	100.9	75.9	113.9

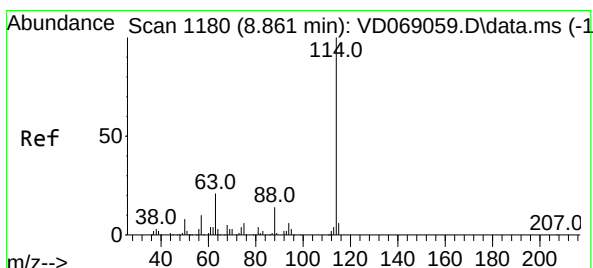
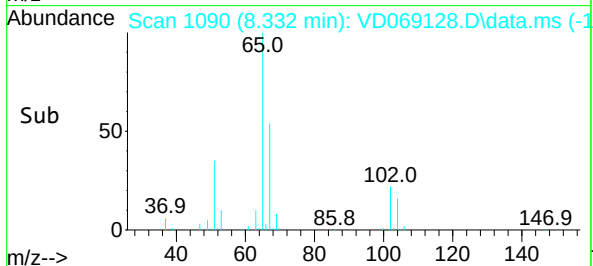
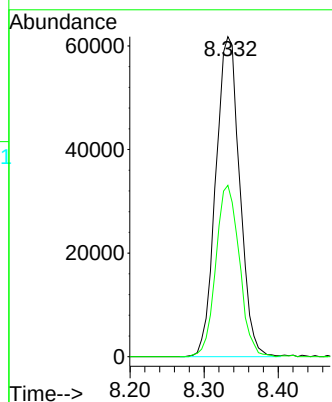
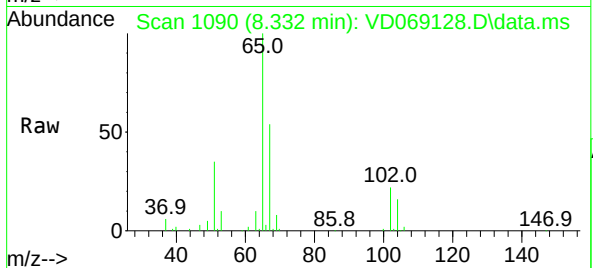




#33
1,2-Dichloroethane-d4
Concen: 47.47 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069128.D
Acq: 10 May 2021 17:39

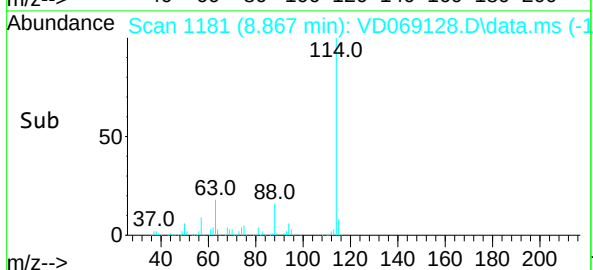
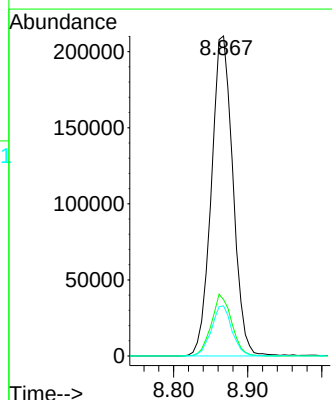
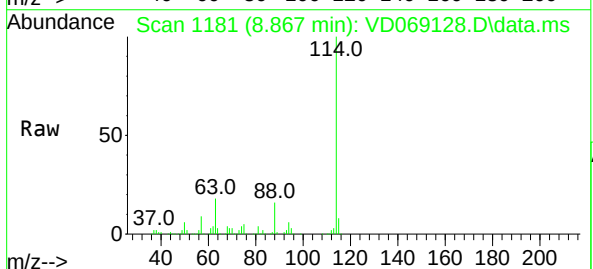
Instrument :
MSVOA_D
ClientSampled :
VOC

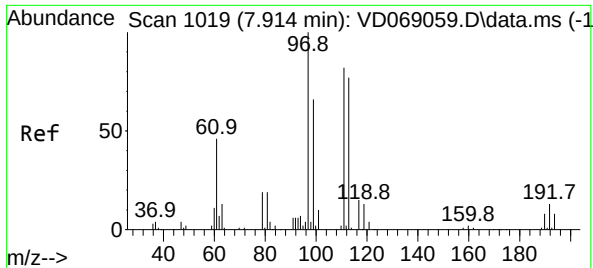
Tgt Ion: 65 Resp: 138598
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.006 min
Lab File: VD069128.D
Acq: 10 May 2021 17:39

Tgt Ion: 114 Resp: 424527
Ion Ratio Lower Upper
114 100
63 17.6 0.0 41.4
88 15.6 0.0 27.8

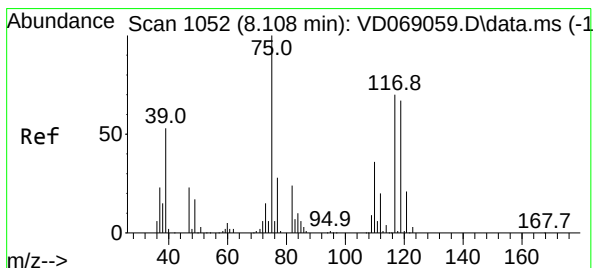
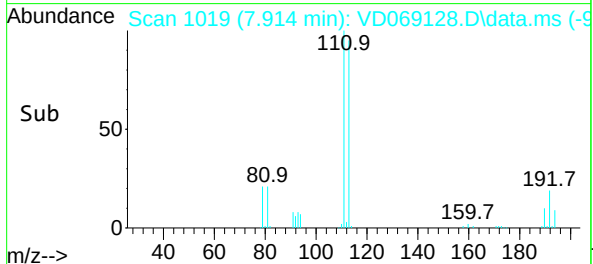
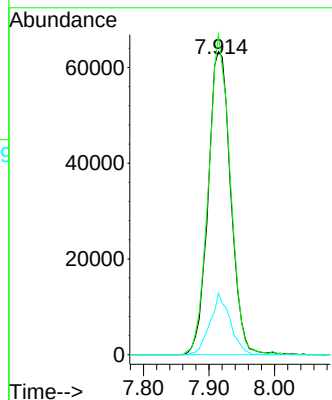
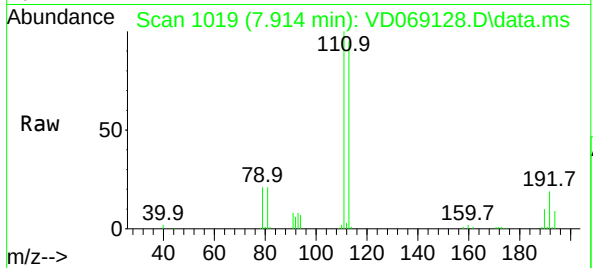




#35
Dibromofluoromethane
Concen: 51.96 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069128.D
Acq: 10 May 2021 17:39

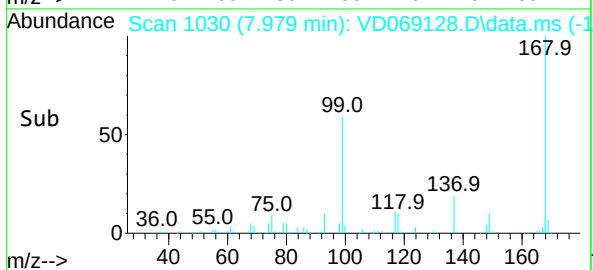
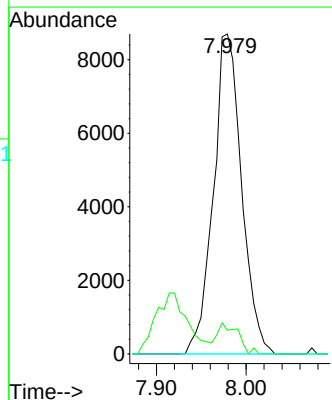
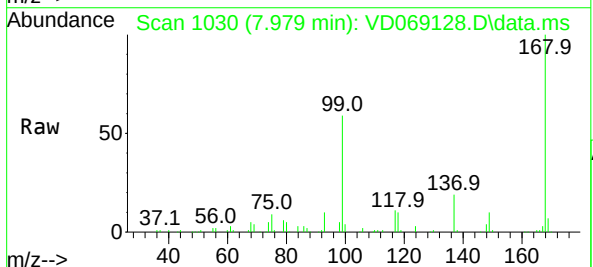
Instrument :
MSVOA_D
ClientSampleId :
VOC

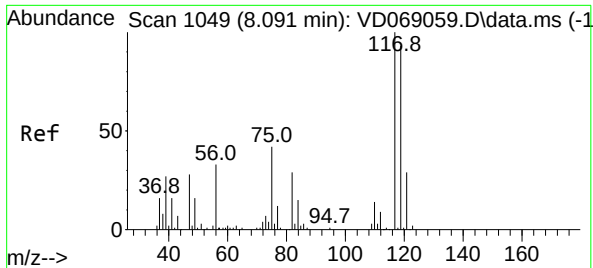
Tgt Ion:113 Resp: 151278
Ion Ratio Lower Upper
113 100
111 101.9 84.6 126.8
192 18.1 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.25 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069128.D
Acq: 10 May 2021 17:39

Tgt Ion: 75 Resp: 18999
Ion Ratio Lower Upper
75 100
110 7.1 17.3 51.7#
77 0.0 23.9 35.9#

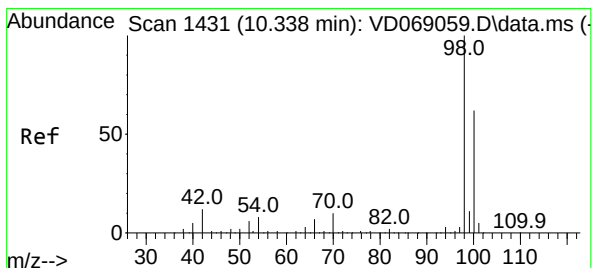
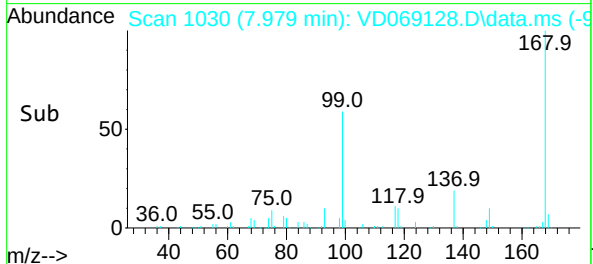
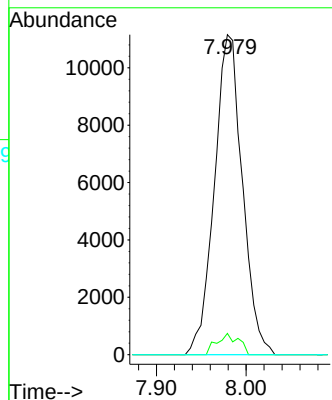
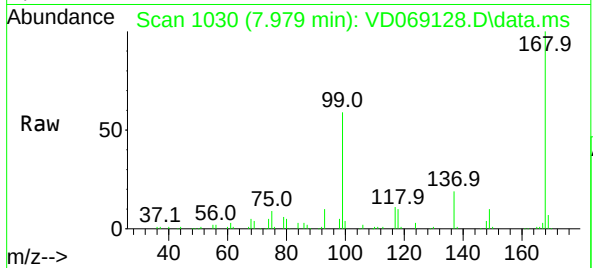




#38
Carbon Tetrachloride
Concen: 4.99 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD069128.D
Acq: 10 May 2021 17:39

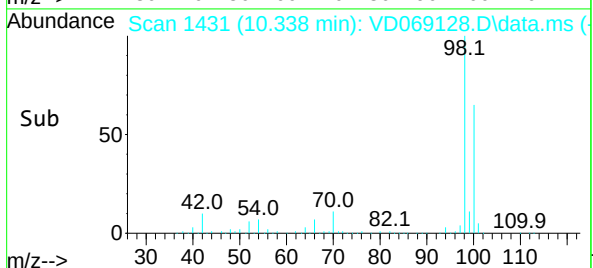
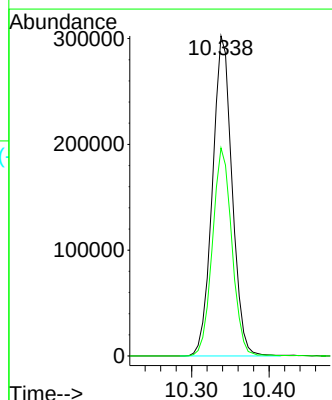
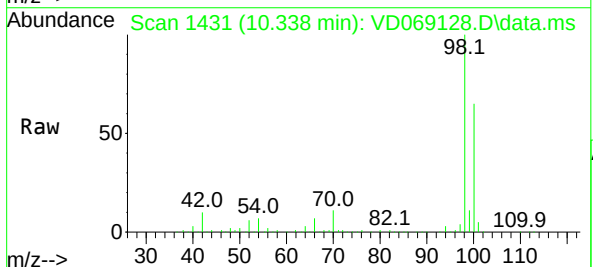
Instrument :
MSVOA_D
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VOC

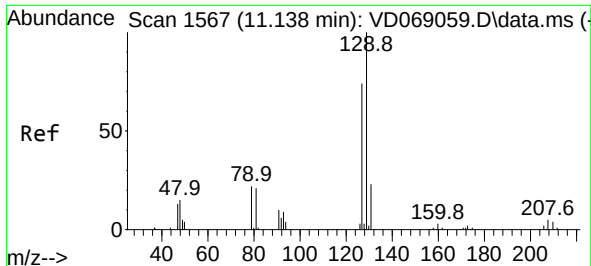
Tgt Ion:117 Resp: 24182
Ion Ratio Lower Upper
117 100
119 6.7 74.7 112.1#
121 0.0 23.1 34.7#



#50
Toluene-d8
Concen: 49.53 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069128.D
Acq: 10 May 2021 17:39

Tgt Ion: 98 Resp: 532362
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4

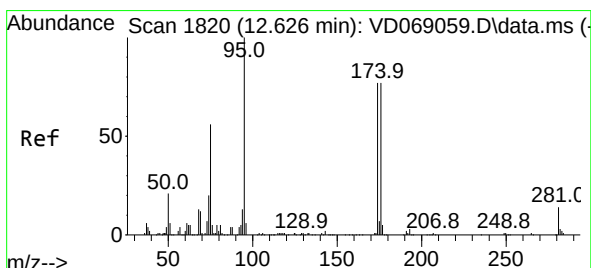
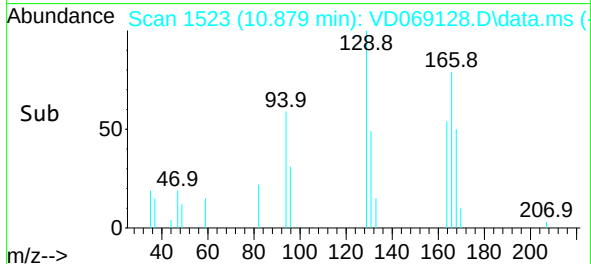
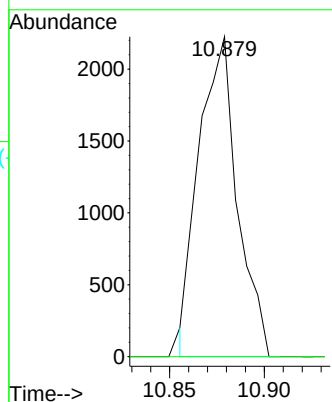
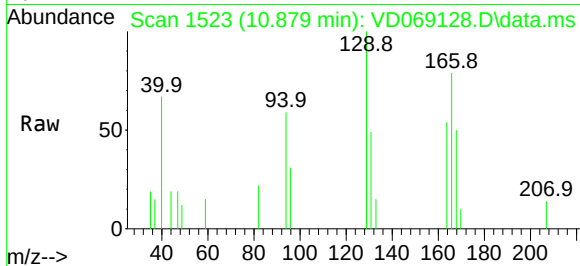




#60
Dibromochloromethane
Concen: 1.02 ug/l
RT: 10.879 min Scan# 1523
Delta R.T. -0.259 min
Lab File: VD069128.D
Acq: 10 May 2021 17:39

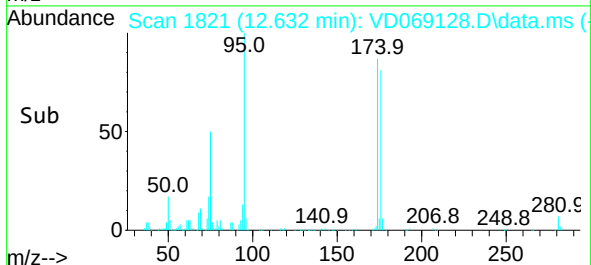
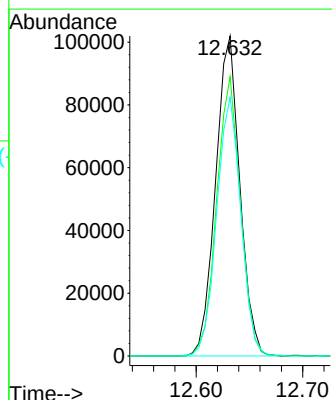
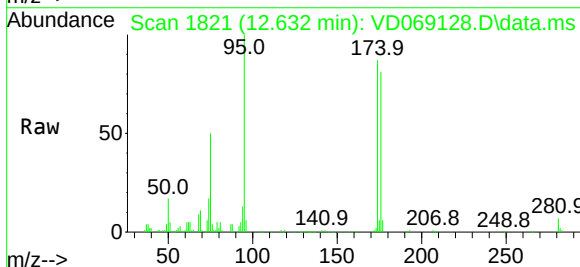
Instrument :
MSVOA_D
ClientSampleId :
VOC

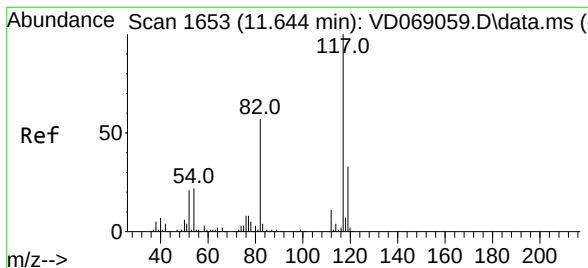
Tgt Ion:129 Resp: 3145
Ion Ratio Lower Upper
129 100
127 0.0 38.0 114.1#



#62
4-Bromofluorobenzene
Concen: 45.58 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD069128.D
Acq: 10 May 2021 17:39

Tgt Ion: 95 Resp: 161148
Ion Ratio Lower Upper
95 100
174 85.6 0.0 156.0
176 80.5 0.0 149.4

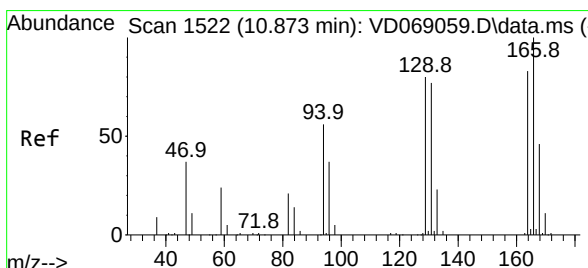
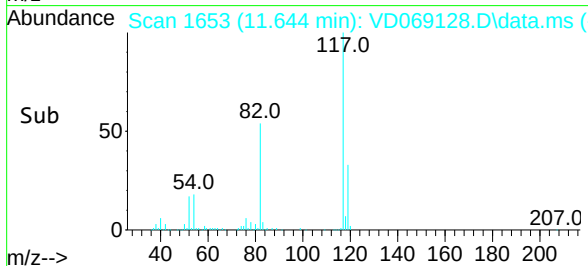
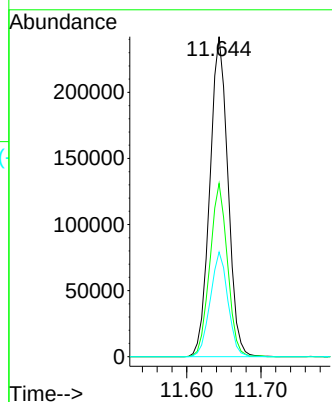
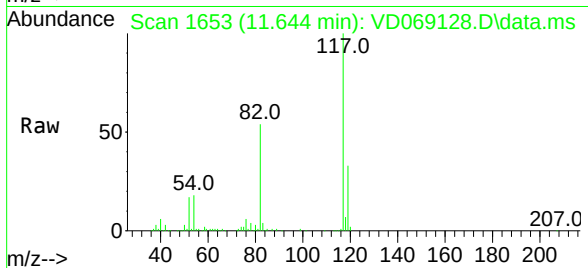




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069128.D
Acq: 10 May 2021 17:39

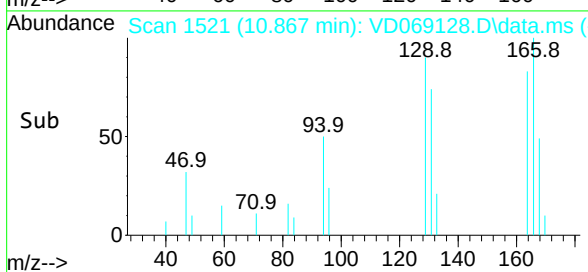
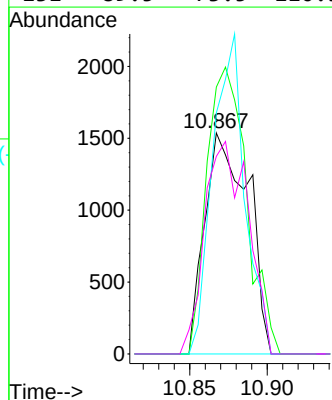
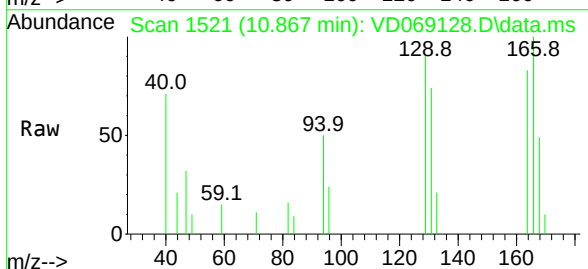
Instrument :
MSVOA_D
ClientSampled :
VOC

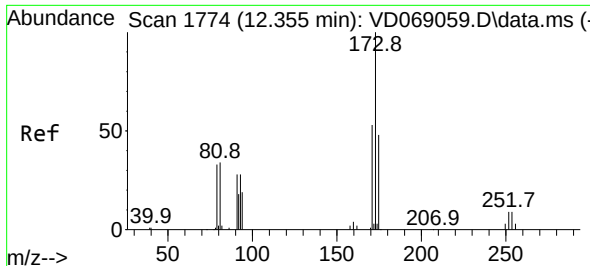
Tgt Ion:117 Resp: 410650
Ion Ratio Lower Upper
117 100
82 54.2 45.4 68.2
119 32.7 26.8 40.2



#64
Tetrachloroethene
Concen: 1.13 ug/l
RT: 10.867 min Scan# 1521
Delta R.T. -0.006 min
Lab File: VD069128.D
Acq: 10 May 2021 17:39

Tgt Ion:164 Resp: 2991
Ion Ratio Lower Upper
164 100
166 120.8 96.0 144.0
129 109.1 76.8 115.2
131 89.5 73.5 110.3

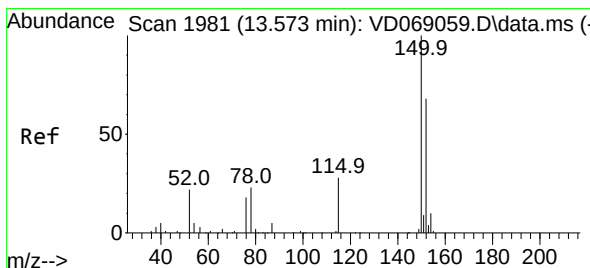
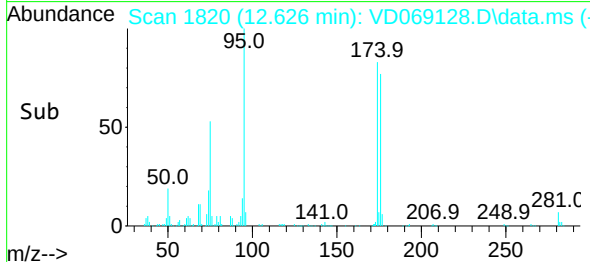
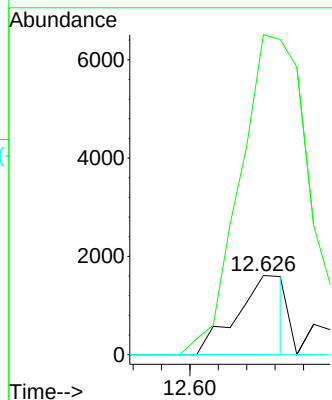
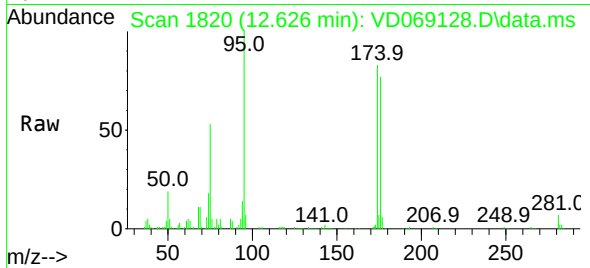




#71
Bromoform
Concen: 1.17 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069128.D
Acq: 10 May 2021 17:39

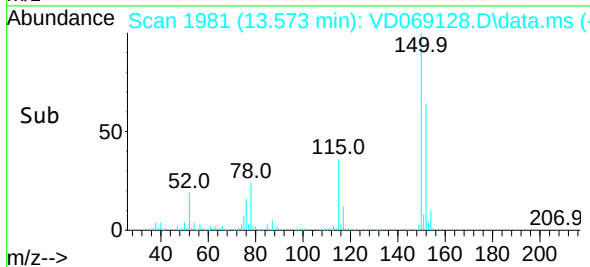
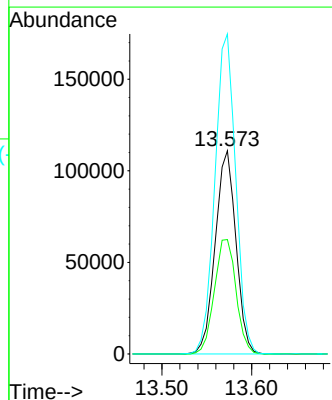
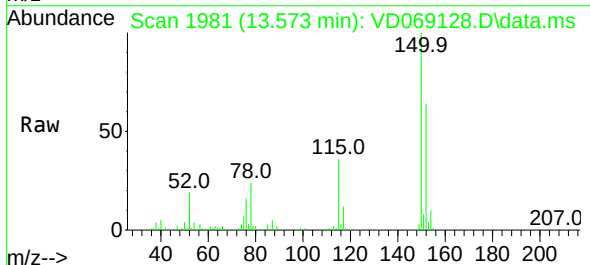
Instrument :
MSVOA_D
ClientSampled :
VOC

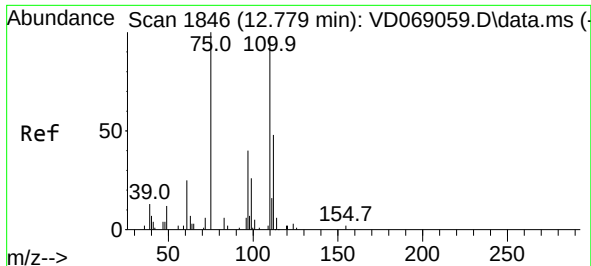
Tgt Ion:173 Resp: 1904
Ion Ratio Lower Upper
173 100
175 384.6 23.8 71.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD069128.D
Acq: 10 May 2021 17:39

Tgt Ion:152 Resp: 177992
Ion Ratio Lower Upper
152 100
115 59.0 30.5 91.5
150 157.8 0.0 340.8

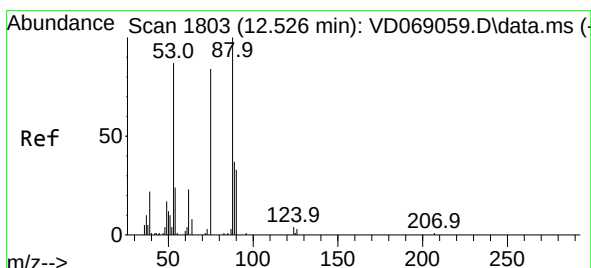
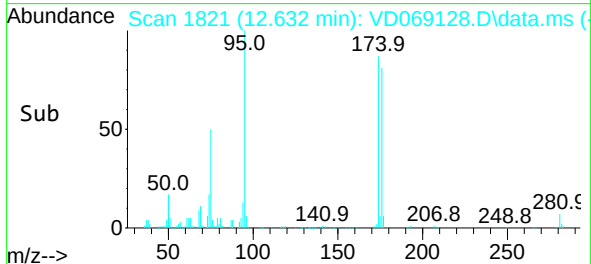
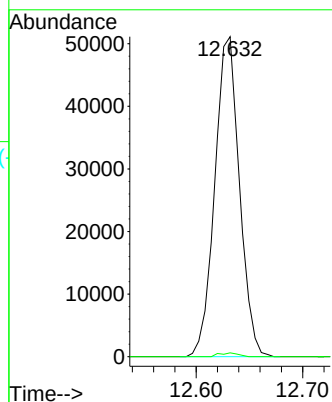
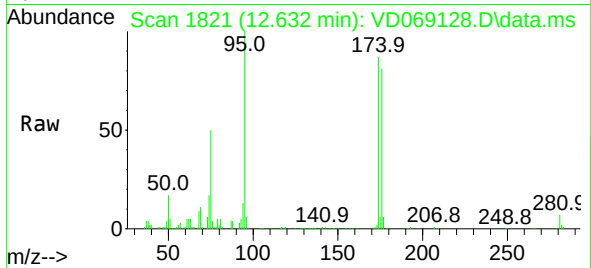




#76
1,2,3-Trichloropropane
Concen: 53.04 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD069128.D
Acq: 10 May 2021 17:39

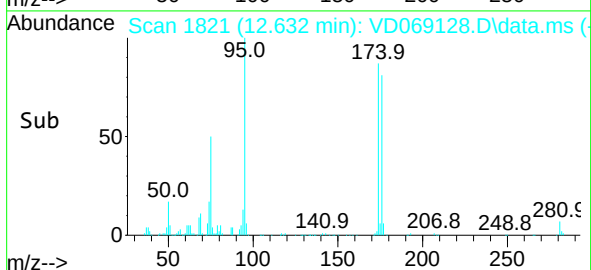
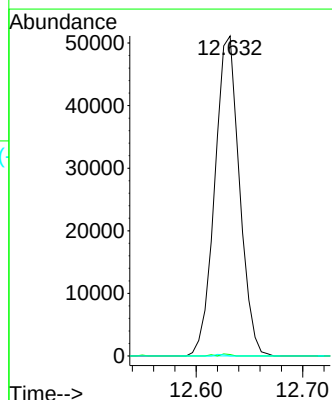
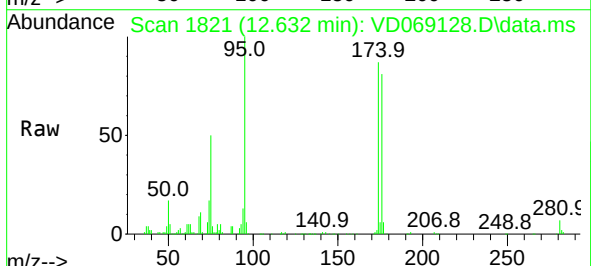
Instrument :
MSVOA_D
ClientSampleId :
VOC

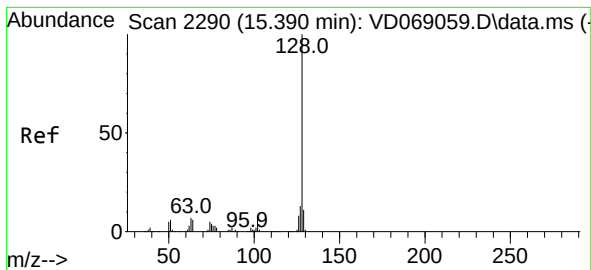
Tgt Ion: 75 Resp: 82180
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.40 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD069128.D
Acq: 10 May 2021 17:39

Tgt Ion: 75 Resp: 82180
Ion Ratio Lower Upper
75 100
53 0.3 80.4 120.6#
89 0.2 37.8 56.8#





#95
Naphthalene
Concen: 2.84 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069128.D
Acq: 10 May 2021 17:39

Instrument :
MSVOA_D
ClientSampleId :
VOC

Tgt Ion:128 Resp: 61
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.5 12.7#

