

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012523\
 Data File : VN076396.D
 Acq On : 25 Jan 2023 12:58
 Operator : JC\MD
 Sample : 01291-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW10-GW-338-340

Quant Time: Jan 26 07:15:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

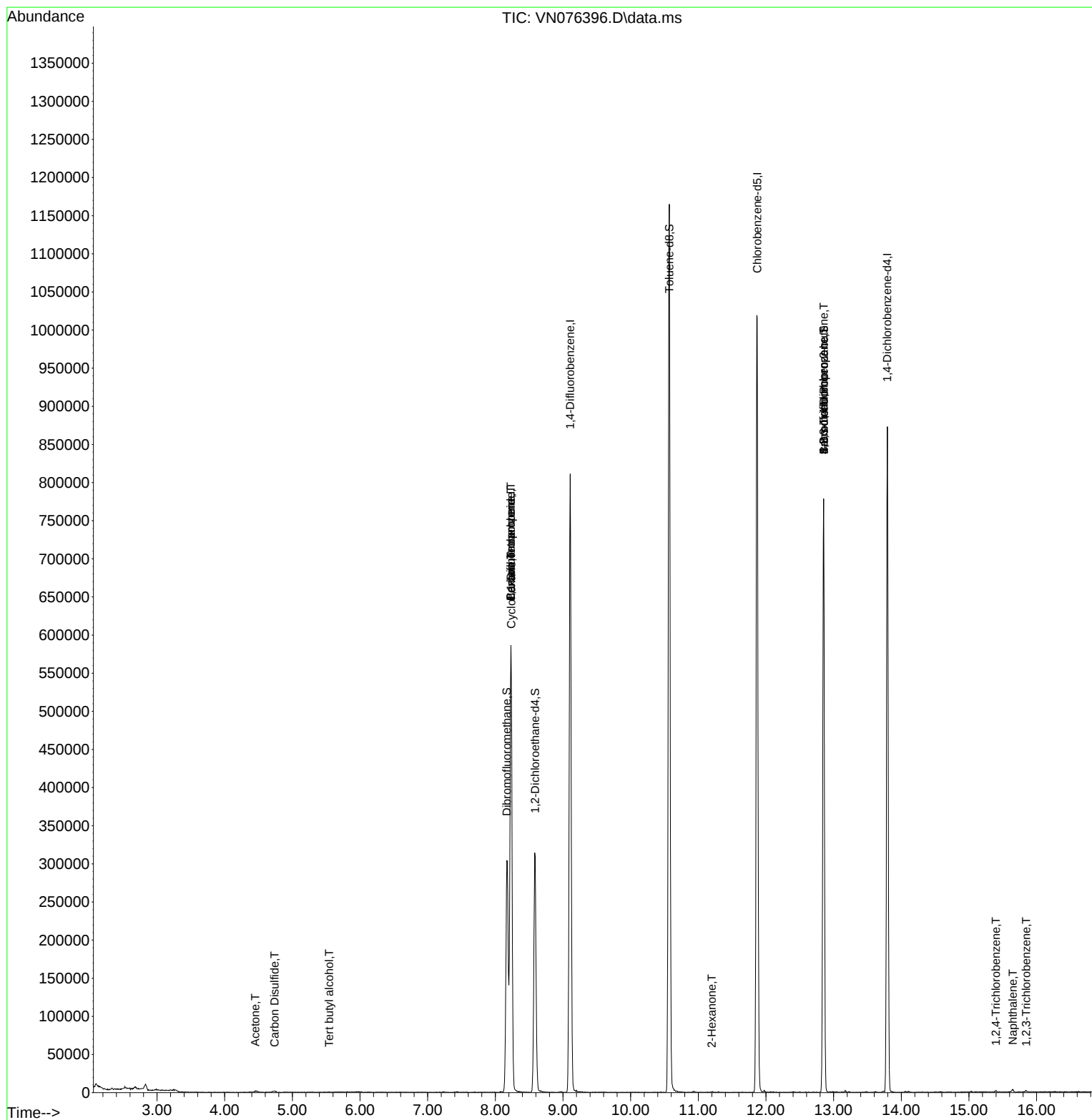
Internal Standards						
1) Pentafluorobenzene	8.229	168	433552	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	711214	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	620589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	240070	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	260004	53.560	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.120%	
35) Dibromofluoromethane	8.171	113	221112	49.700	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.400%	
50) Toluene-d8	10.570	98	823442	50.117	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.240%	
62) 4-Bromofluorobenzene	12.853	95	256999	47.914	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.820%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.541	59	165	0.254	ug/l #	72
16) Acetone	4.453	43	3428	2.130	ug/l #	78
17) Carbon Disulfide	4.736	76	2569	0.248	ug/l #	73
20) Methylene Chloride	5.288	84	176	Below Cal	#	64
31) Cyclohexane	8.235	56	9556	1.281	ug/l #	22
36) 1,1-Dichloropropene	8.229	75	35022	5.540	ug/l #	48
38) Carbon Tetrachloride	8.229	117	45753	6.490	ug/l #	16
59) 2-Hexanone	11.200	43	899	0.256	ug/l #	49
71) Bromoform	12.853	173	2013	0.571	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	136284	30.798	ug/l #	1
77) Bromobenzene	12.982	156	206	Below Cal	#	9
81) trans-1,4-Dichloro-2-b...	12.853	75	136284	94.453	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.400	180	899	1.513	ug/l #	80
95) Naphthalene	15.647	128	4081	2.154	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.847	180	1074	1.415	ug/l #	73

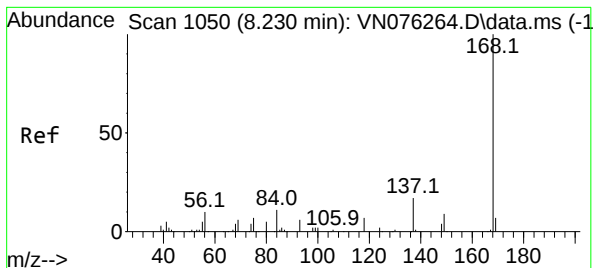
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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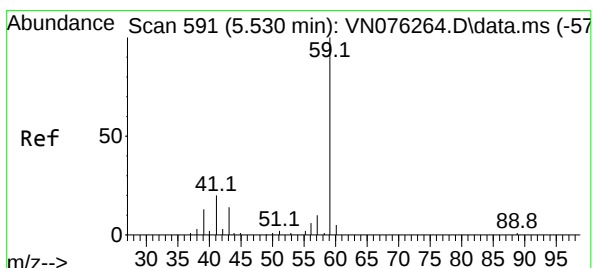
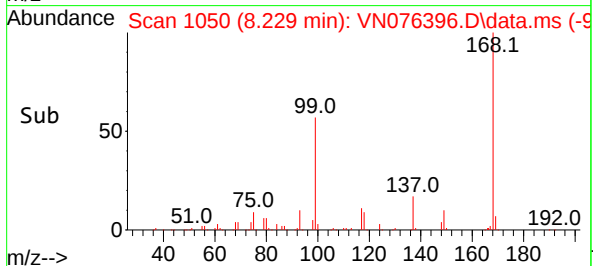
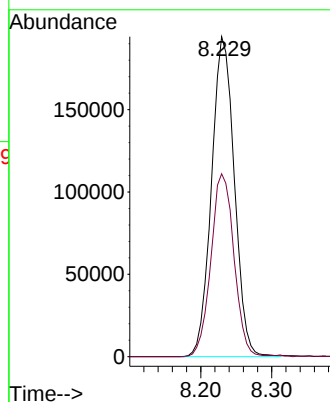
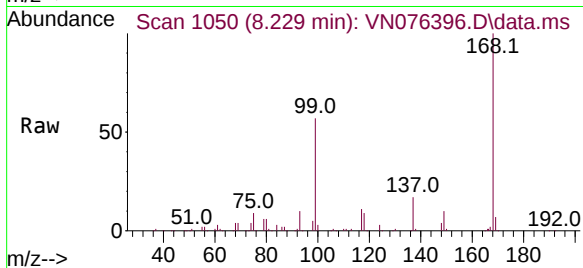




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN076396.D
Acq: 25 Jan 2023 12:58

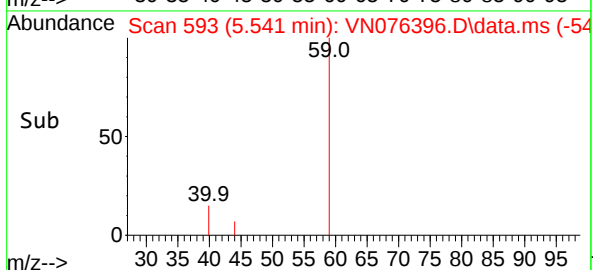
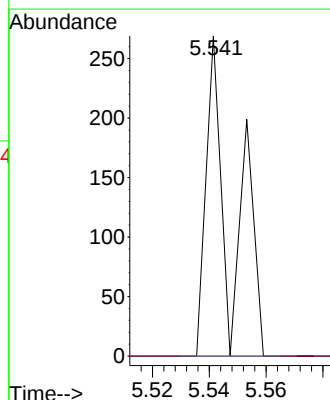
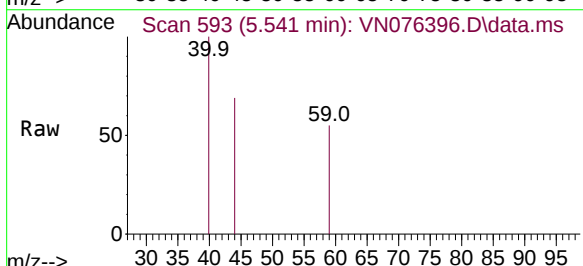
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW10-GW-338-340

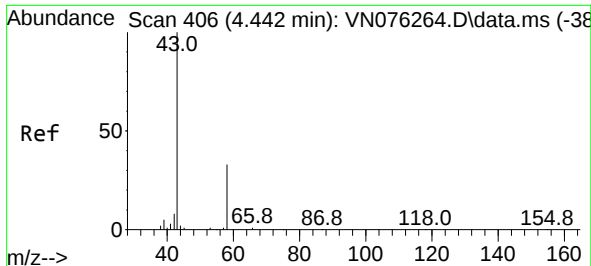
Tgt Ion:168 Resp: 433552
Ion Ratio Lower Upper
168 100
99 57.2 41.6 62.4



#11
Tert butyl alcohol
Concen: 0.254 ug/l
RT: 5.541 min Scan# 593
Delta R.T. 0.011 min
Lab File: VN076396.D
Acq: 25 Jan 2023 12:58

Tgt Ion: 59 Resp: 165
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

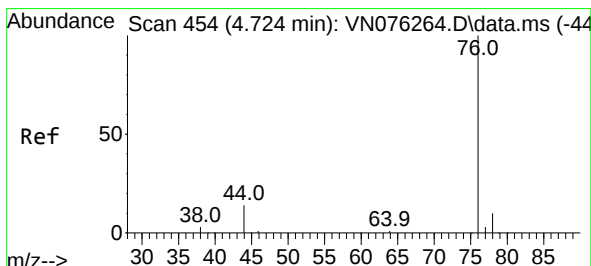
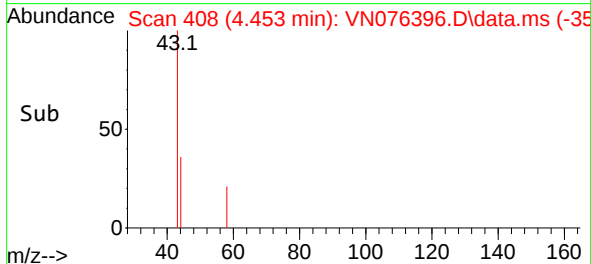
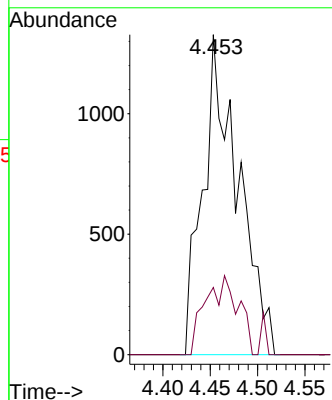
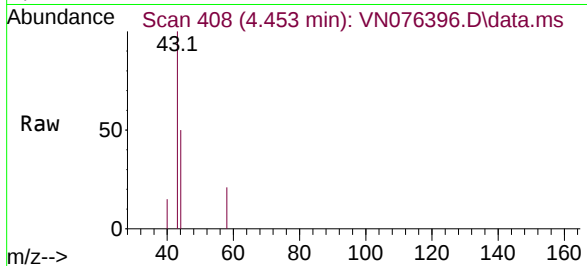




#16
Acetone
Concen: 2.130 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.011 min
Lab File: VN076396.D
Acq: 25 Jan 2023 12:58

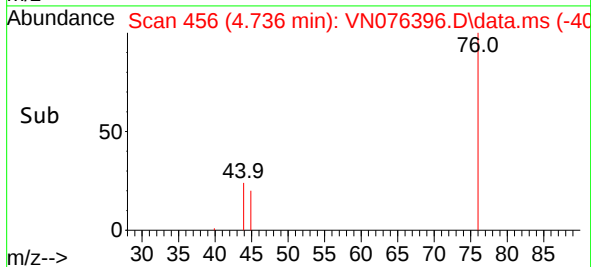
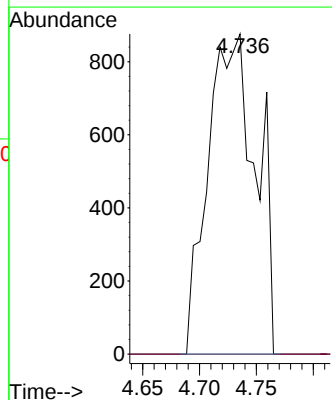
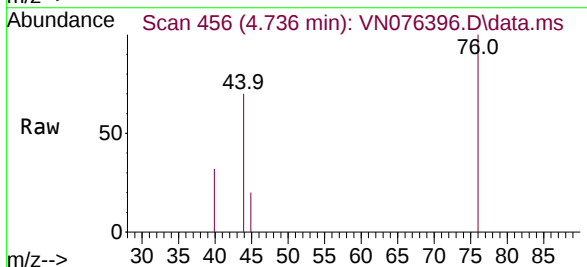
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW10-GW-338-340

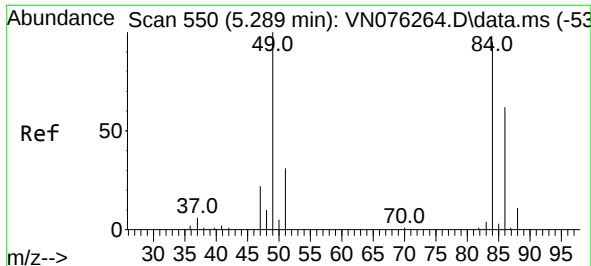
Tgt Ion: 43 Resp: 3428
Ion Ratio Lower Upper
43 100
58 21.0 26.7 40.1#



#17
Carbon Disulfide
Concen: 0.248 ug/l
RT: 4.736 min Scan# 456
Delta R.T. 0.012 min
Lab File: VN076396.D
Acq: 25 Jan 2023 12:58

Tgt Ion: 76 Resp: 2569
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#

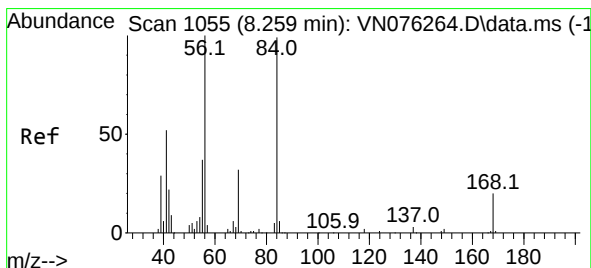
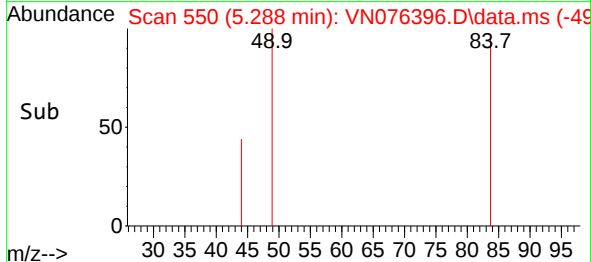
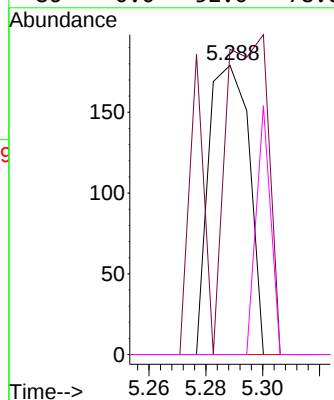
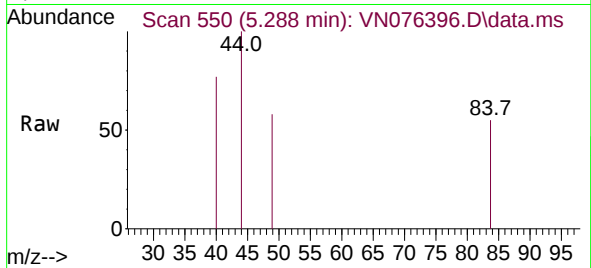




#20
Methylene Chloride
Concen: Below Cal
RT: 5.288 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN076396.D
Acq: 25 Jan 2023 12:58

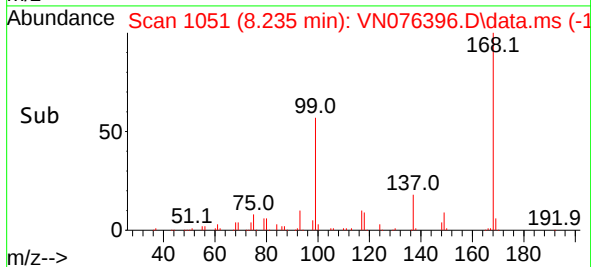
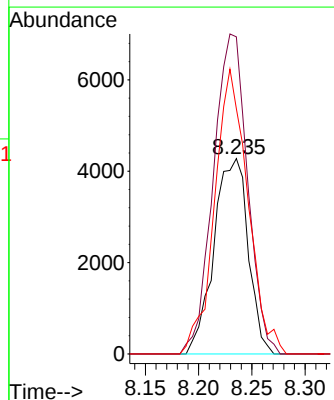
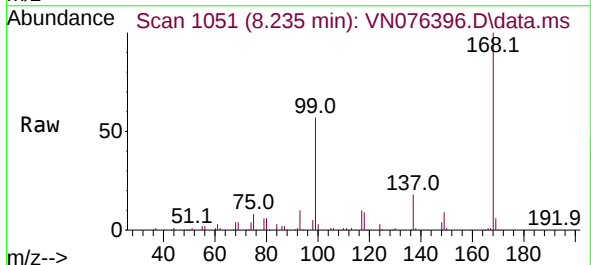
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW10-GW-338-340

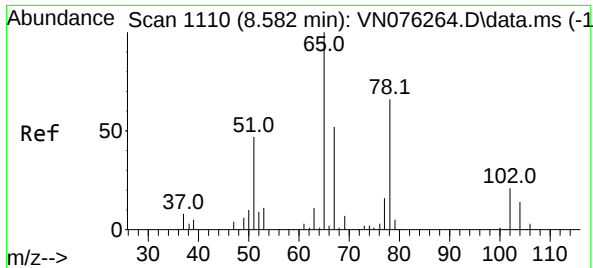
Tgt Ion:	84	Resp:	176
Ion	Ratio	Lower	Upper
84	100		
49	105.6	84.5	126.7
51	0.0	26.0	39.0#
86	0.0	52.0	78.0#



#31
Cyclohexane
Concen: 1.281 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.024 min
Lab File: VN076396.D
Acq: 25 Jan 2023 12:58

Tgt Ion:	56	Resp:	9556
Ion	Ratio	Lower	Upper
56	100		
69	162.4	25.8	38.8#
84	125.6	79.0	118.4#

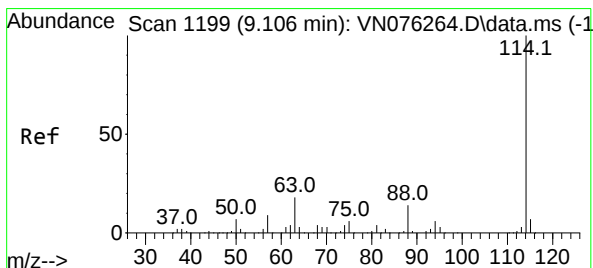
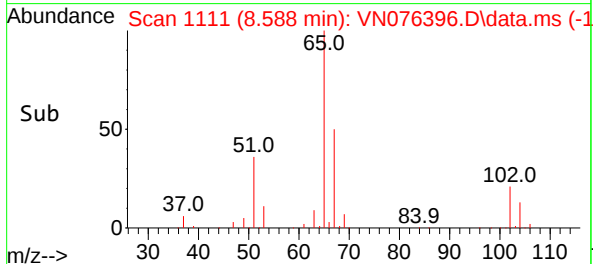
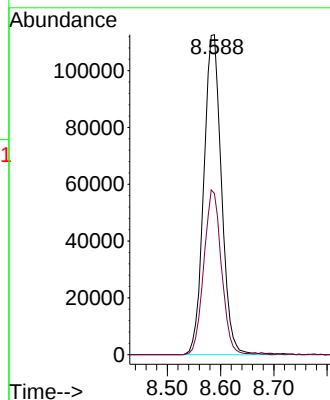
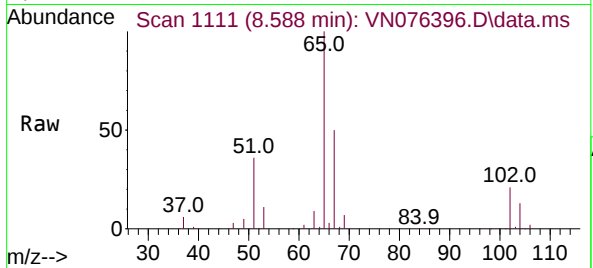




#33
 1,2-Dichloroethane-d4
 Concen: 53.560 ug/l
 RT: 8.588 min Scan# 1111
 Delta R.T. 0.006 min
 Lab File: VN076396.D
 Acq: 25 Jan 2023 12:58

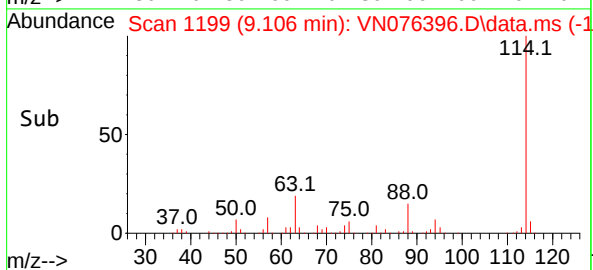
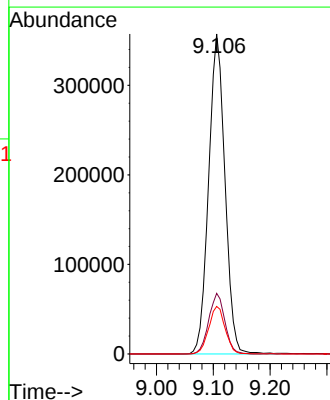
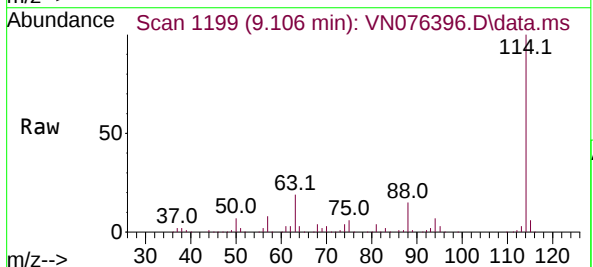
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW10-GW-338-340

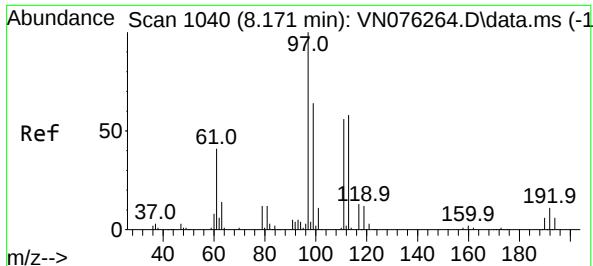
Tgt Ion: 65 Resp: 260004
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. -0.000 min
 Lab File: VN076396.D
 Acq: 25 Jan 2023 12:58

Tgt Ion: 114 Resp: 711214
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 35.8
 88 14.9 0.0 28.0





#35

Dibromofluoromethane

Concen: 49.700 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076396.D

Acq: 25 Jan 2023 12:58

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW10-GW-338-340

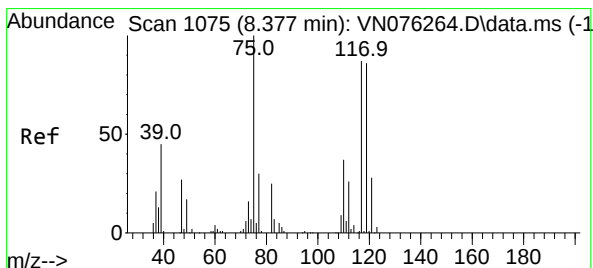
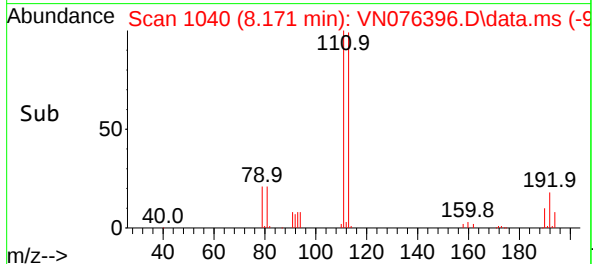
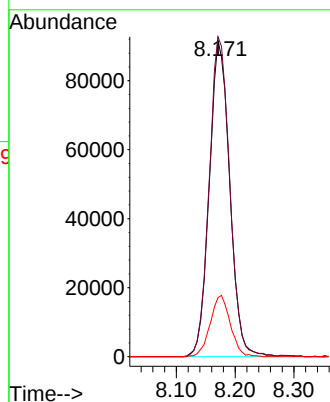
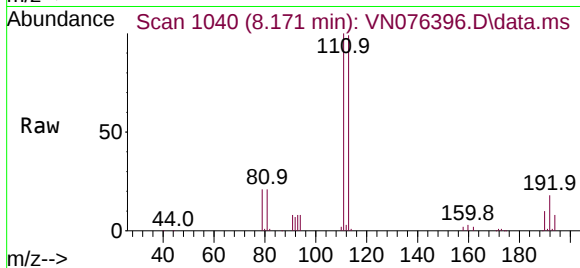
Tgt Ion:113 Resp: 221112

Ion Ratio Lower Upper

113 100

111 102.1 82.7 124.1

192 19.1 15.6 23.4



#36

1,1-Dichloropropene

Concen: 5.540 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.148 min

Lab File: VN076396.D

Acq: 25 Jan 2023 12:58

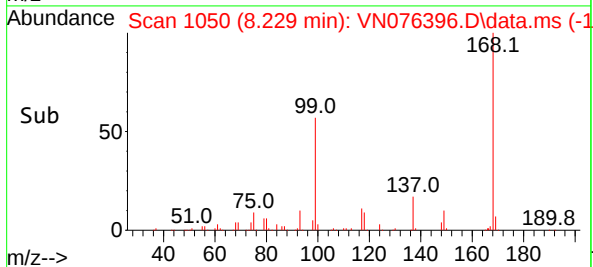
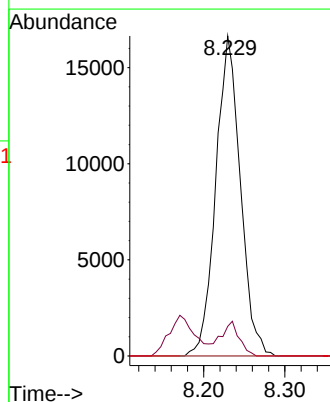
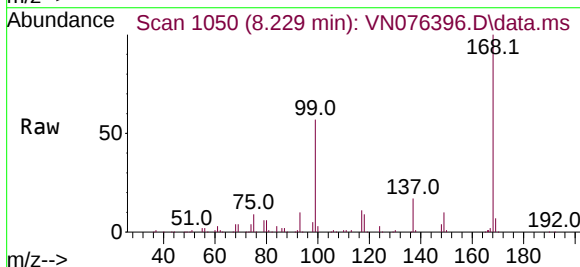
Tgt Ion: 75 Resp: 35022

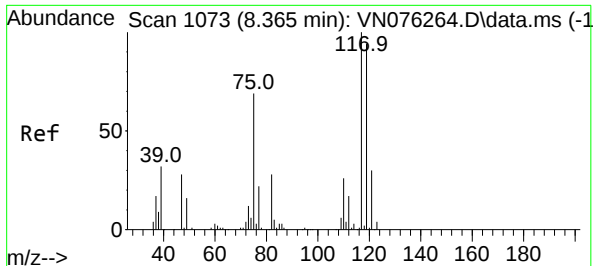
Ion Ratio Lower Upper

75 100

110 8.3 18.8 56.3#

77 0.0 25.0 37.4#

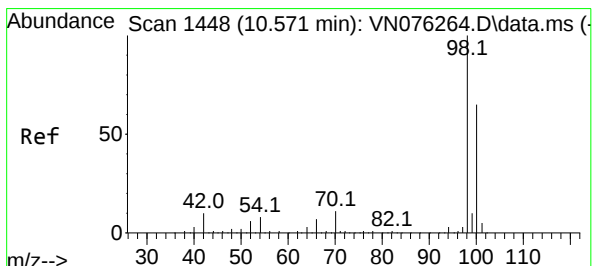
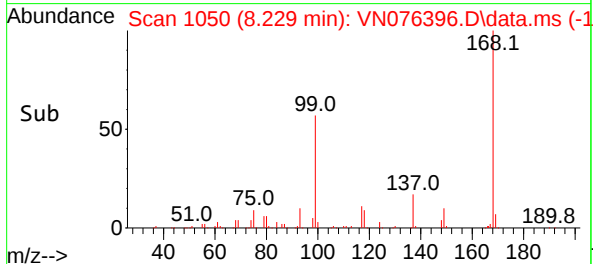
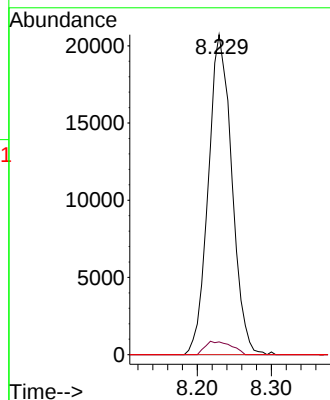
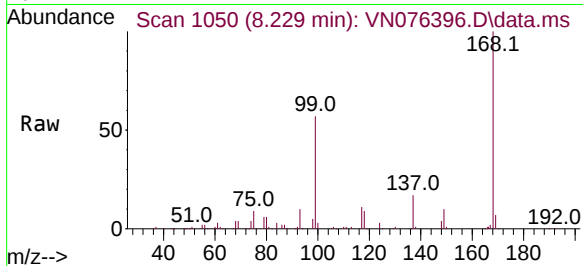




#38
Carbon Tetrachloride
Concen: 6.490 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.136 min
Lab File: VN076396.D
Acq: 25 Jan 2023 12:58

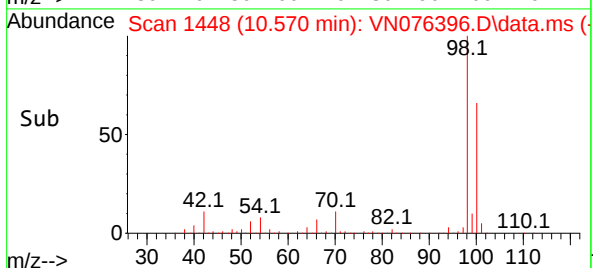
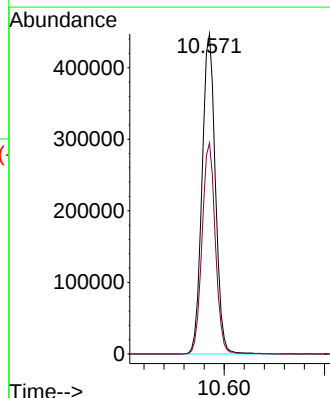
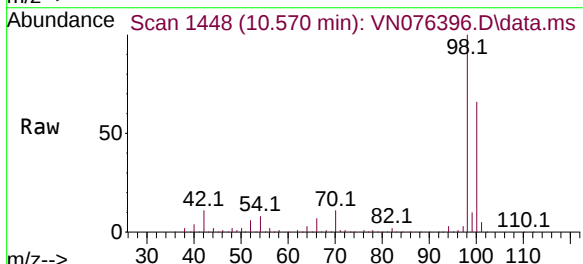
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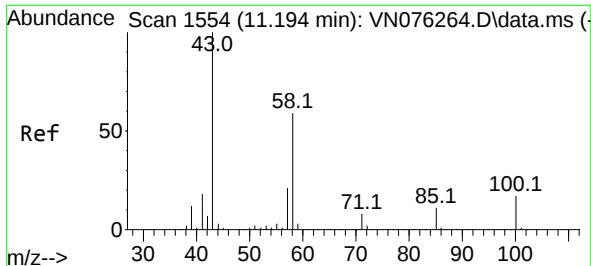
Tgt Ion:117 Resp: 45753
Ion Ratio Lower Upper
117 100
119 4.0 75.4 113.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.117 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.001 min
Lab File: VN076396.D
Acq: 25 Jan 2023 12:58

Tgt Ion: 98 Resp: 823442
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.4

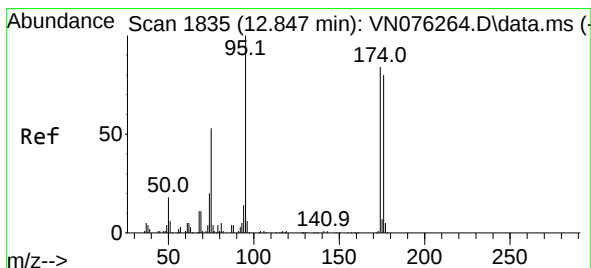
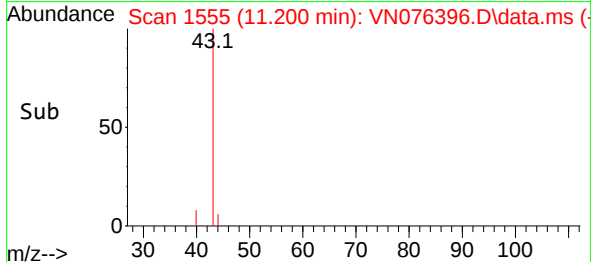
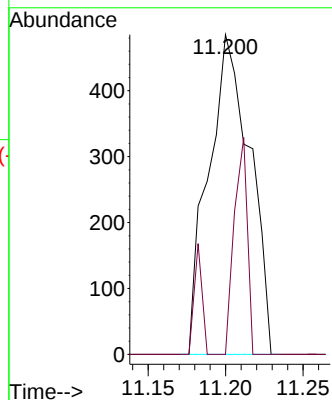
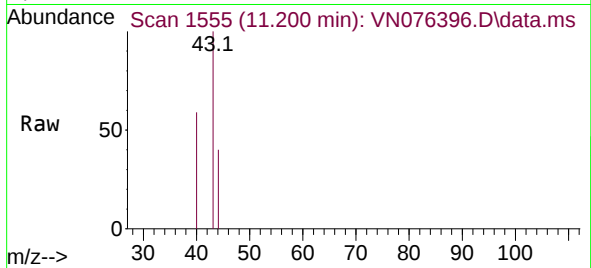




#59
2-Hexanone
Concen: 0.256 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN076396.D
Acq: 25 Jan 2023 12:58

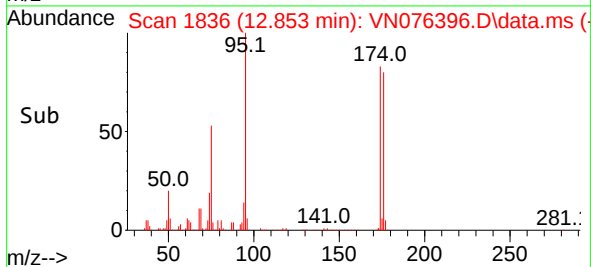
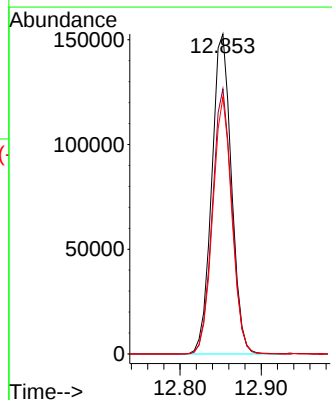
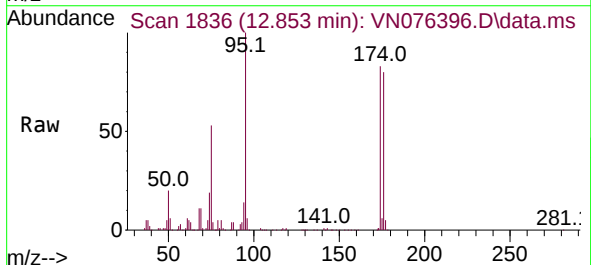
Instrument :
MSVOA_N
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BP-VPB-RW10-GW-338-340

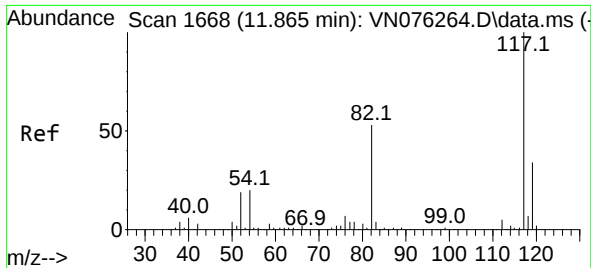
Tgt Ion: 43 Resp: 899
Ion Ratio Lower Upper
43 100
58 21.5 30.1 90.3#



#62
4-Bromofluorobenzene
Concen: 47.914 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076396.D
Acq: 25 Jan 2023 12:58

Tgt Ion: 95 Resp: 256999
Ion Ratio Lower Upper
95 100
174 82.5 0.0 174.6
176 78.7 0.0 167.8

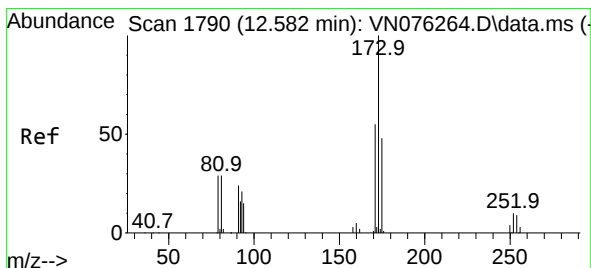
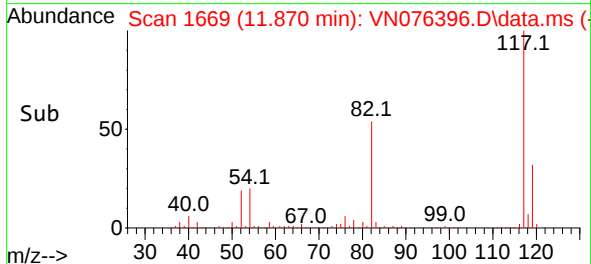
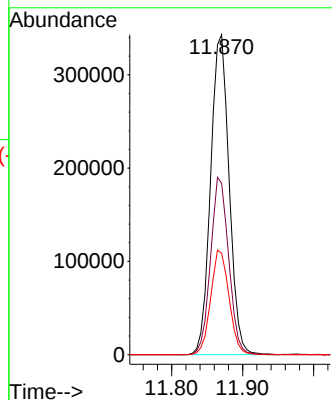
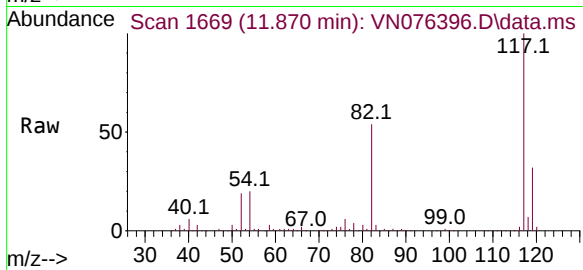




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN076396.D
Acq: 25 Jan 2023 12:58

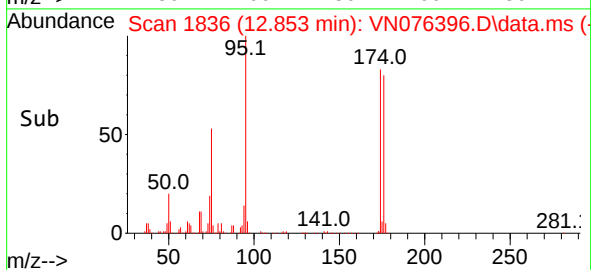
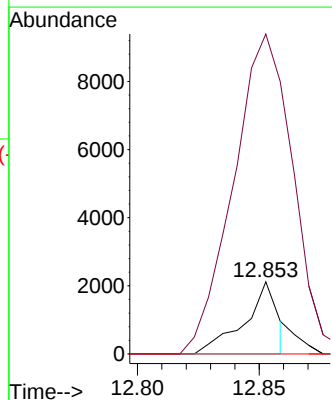
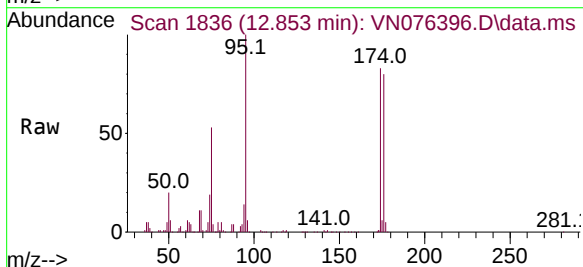
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW10-GW-338-340

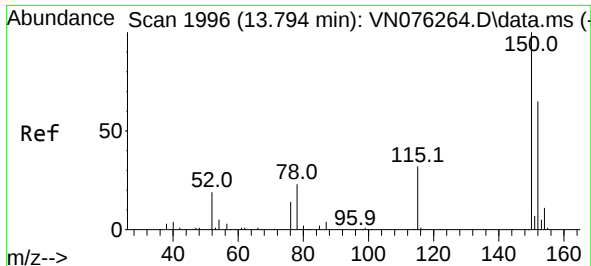
Tgt Ion:117 Resp: 620589
Ion Ratio Lower Upper
117 100
82 53.6 42.2 63.2
119 31.7 26.9 40.3



#71
Bromoform
Concen: 0.571 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076396.D
Acq: 25 Jan 2023 12:58

Tgt Ion:173 Resp: 2013
Ion Ratio Lower Upper
173 100
175 648.6 24.1 72.4#
254 0.0 0.0 0.0

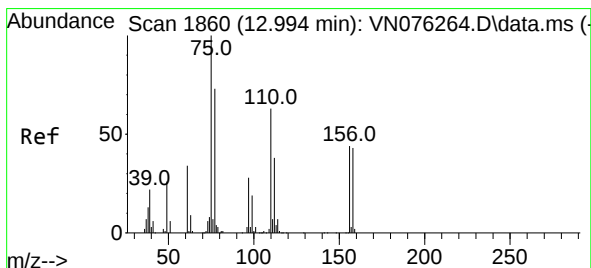
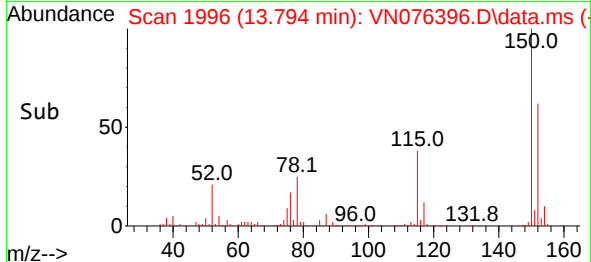
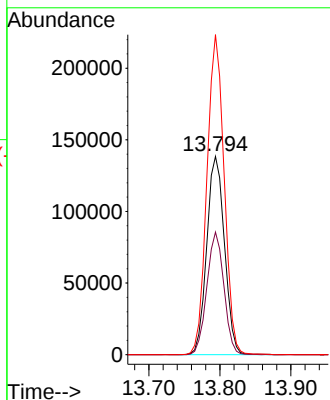
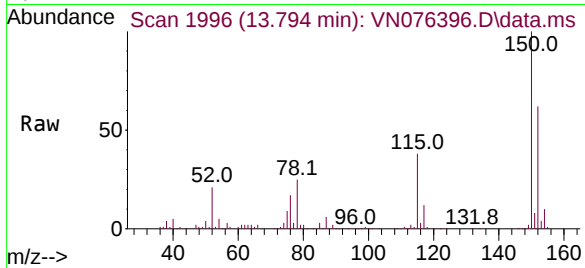




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN076396.D
 Acq: 25 Jan 2023 12:58

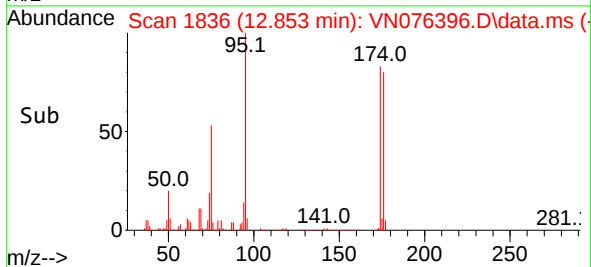
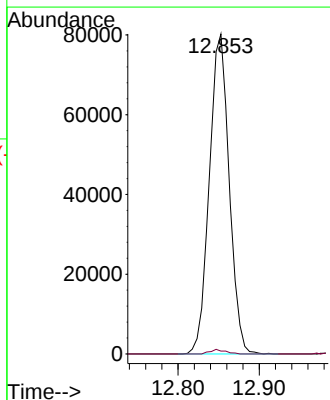
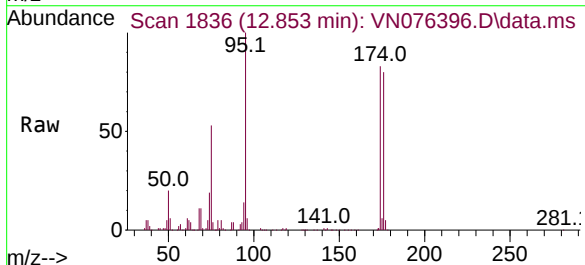
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW10-GW-338-340

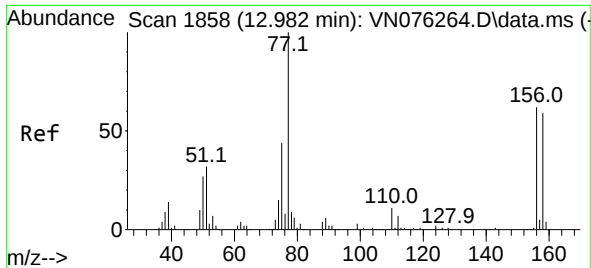
Tgt Ion:152 Resp: 240070
 Ion Ratio Lower Upper
 152 100
 115 59.3 29.6 88.9
 150 156.6 0.0 351.4



#76
 1,2,3-Trichloropropane
 Concen: 30.798 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN076396.D
 Acq: 25 Jan 2023 12:58

Tgt Ion: 75 Resp: 136284
 Ion Ratio Lower Upper
 75 100
 77 1.1 75.2 225.6#

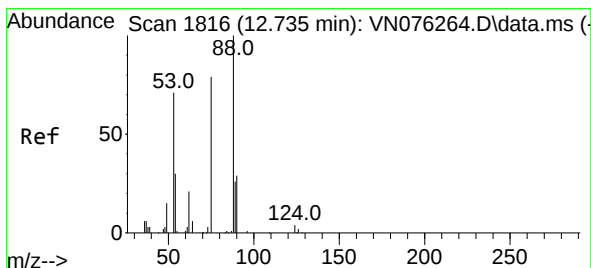
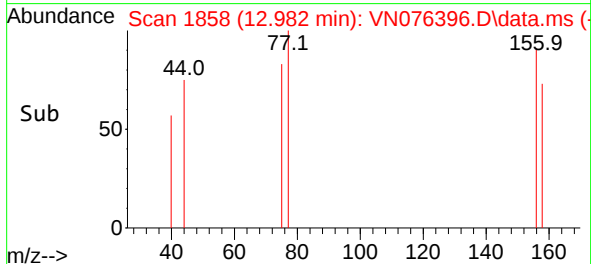
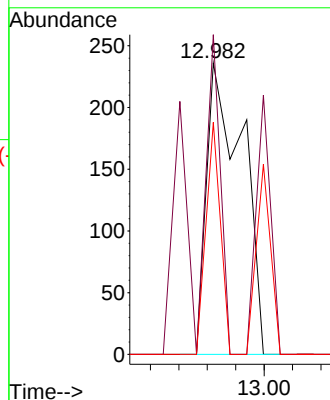
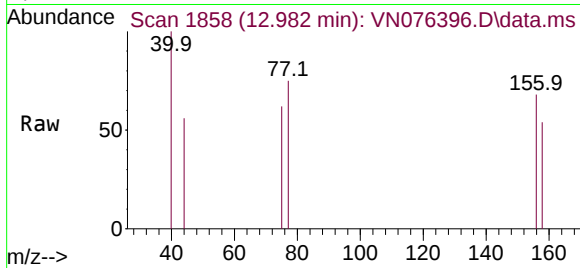




#77
Bromobenzene
Concen: Below Cal
RT: 12.982 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN076396.D
Acq: 25 Jan 2023 12:58

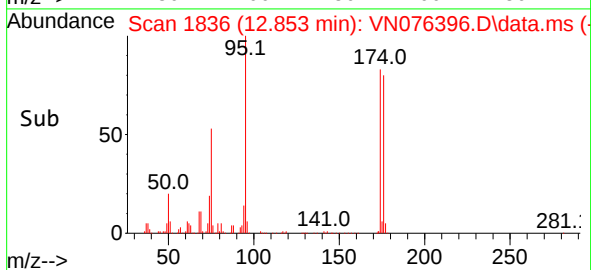
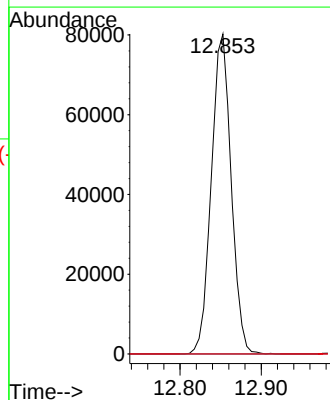
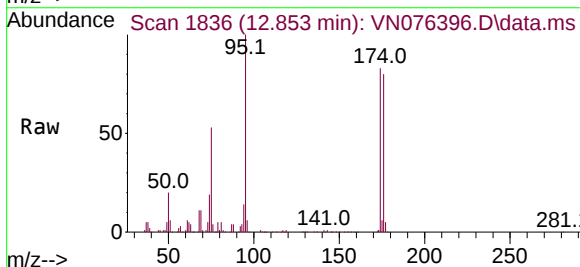
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW10-GW-338-340

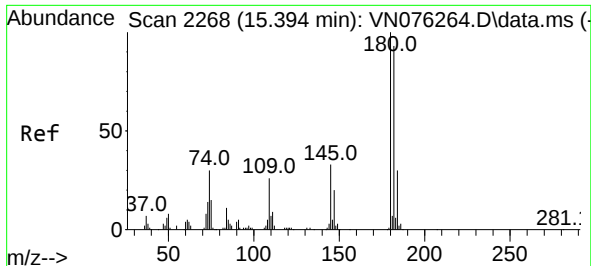
Tgt Ion:156 Resp: 206
Ion Ratio Lower Upper
156 100
77 35.0 93.4 280.2#
158 32.0 48.4 145.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.453 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076396.D
Acq: 25 Jan 2023 12:58

Tgt Ion: 75 Resp: 136284
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#

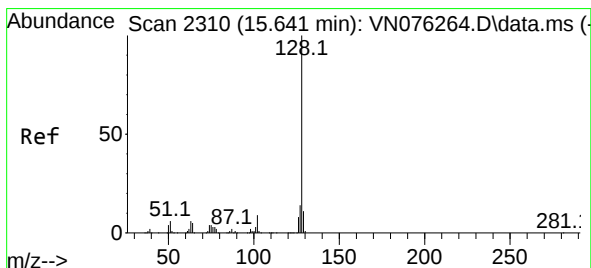
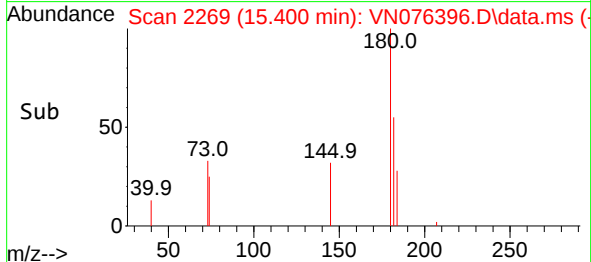
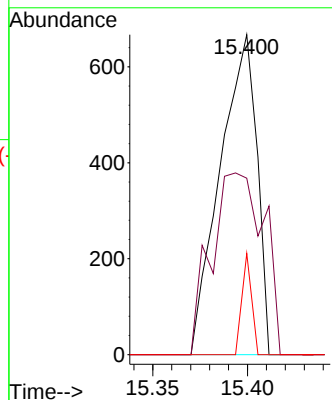
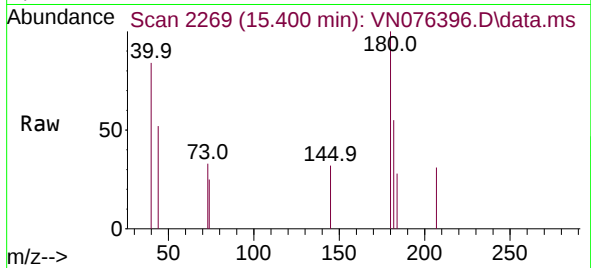




#93
1,2,4-Trichlorobenzene
Concen: 1.513 ug/l
RT: 15.400 min Scan# 2111
Delta R.T. 0.006 min
Lab File: VN076396.D
Acq: 25 Jan 2023 12:58

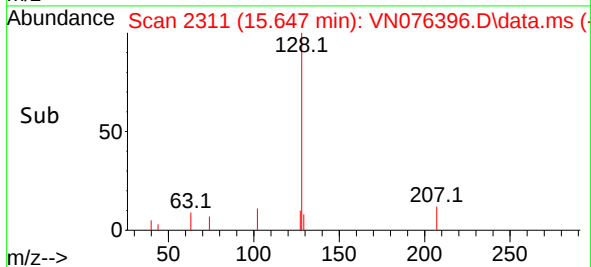
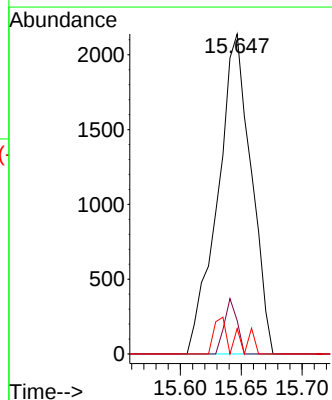
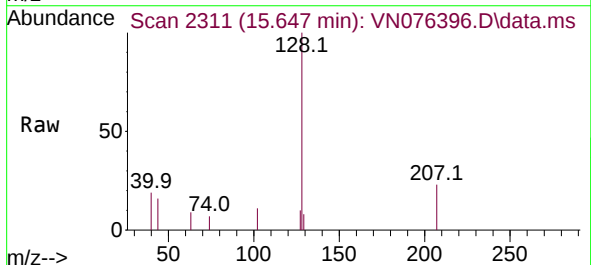
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW10-GW-338-340

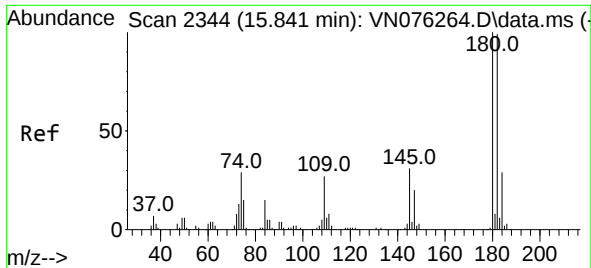
Tgt Ion:180 Resp: 899
Ion Ratio Lower Upper
180 100
182 81.4 47.0 141.2
145 8.2 15.2 45.5#



#95
Naphthalene
Concen: 2.154 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN076396.D
Acq: 25 Jan 2023 12:58

Tgt Ion:128 Resp: 4081
Ion Ratio Lower Upper
128 100
127 6.5 10.3 15.5#
129 4.0 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 1.415 ug/l

RT: 15.847 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN076396.D

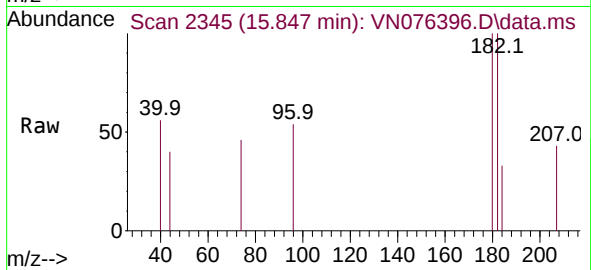
Acq: 25 Jan 2023 12:58

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW10-GW-338-340



Tgt Ion:180 Resp: 1074

Ion Ratio Lower Upper

180 100

182 73.8 47.5 142.5

145 7.4 15.9 47.6#

