

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
 Data File : VN074564.D
 Acq On : 17 Sep 2022 18:30
 Operator : JC\MD
 Sample : N4688-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-478-480

Quant Time: Sep 19 02:57:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

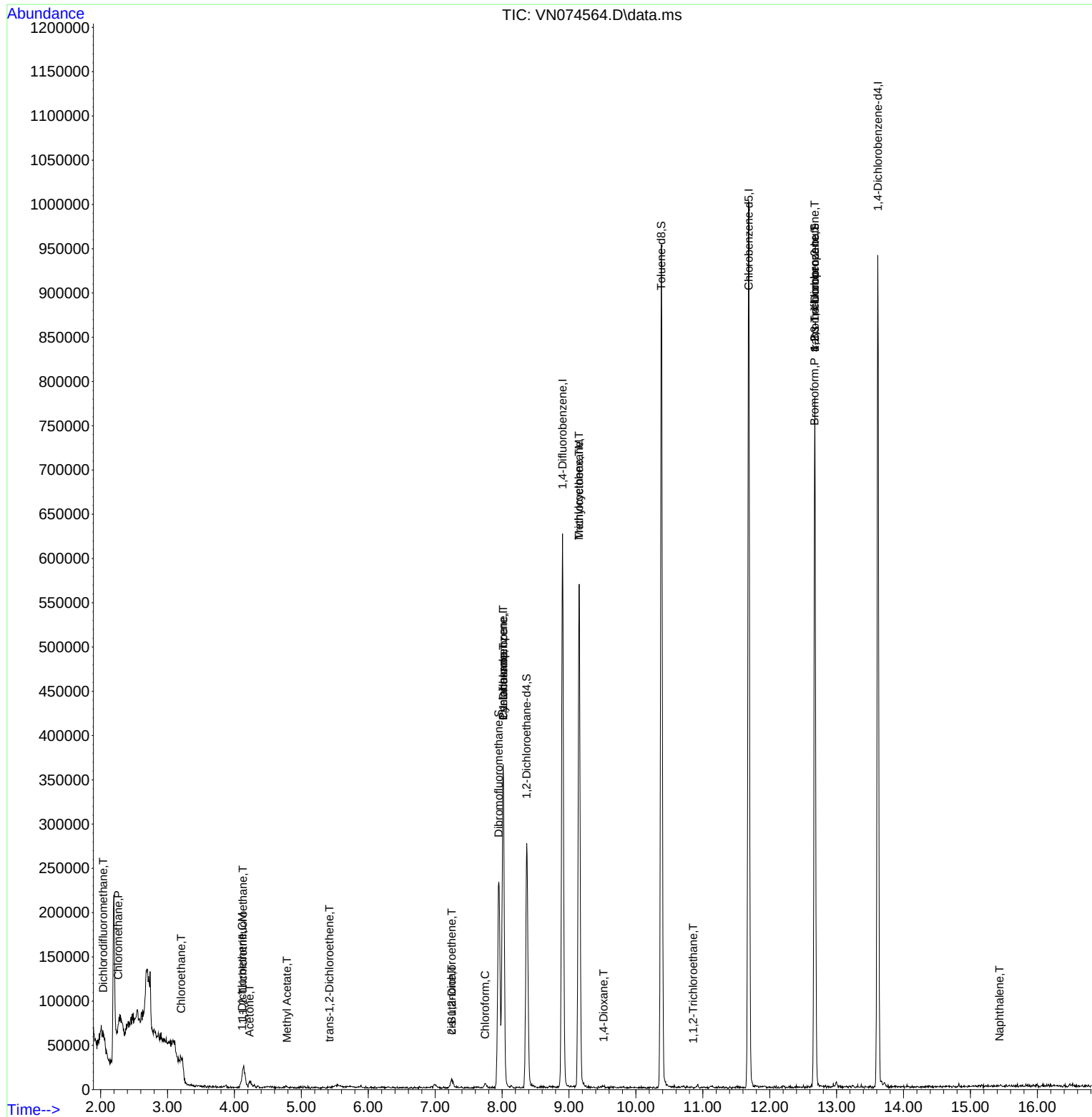
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	255534	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	493092	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	502972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	217867	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	207961	47.964	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.920%
35) Dibromofluoromethane	7.951	113	169208	51.658	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.320%
50) Toluene-d8	10.380	98	613604	48.439	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.880%
62) 4-Bromofluorobenzene	12.674	95	229347	52.862	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.040	85	2198	0.790	ug/l	78
3) Chloromethane	2.263	50	2952	0.886	ug/l #	74
6) Chloroethane	3.204	64	2455	0.718	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	4.128	101	6516	1.905	ug/l #	19
12) 1,1-Dichloroethene	4.116	96	2025	1.277	ug/l #	63
16) Acetone	4.228	43	8239	2.970	ug/l	96
18) Methyl Acetate	4.787	43	2439	0.283	ug/l #	77
21) trans-1,2-Dichloroethene	5.422	96	53	0.443	ug/l #	1
25) 2-Butanone	7.245	43	1241	0.269	ug/l #	45
27) cis-1,2-Dichloroethene	7.245	96	5433	1.148	ug/l	83
30) Chloroform	7.745	83	3457	0.464	ug/l	84
31) Cyclohexane	8.016	56	8189	1.064	ug/l #	19
36) 1,1-Dichloropropene	8.016	75	26648	4.596	ug/l #	48
39) Methylcyclohexane	9.151	83	3371	0.489	ug/l #	1
44) Trichloroethene	9.151	130	185290	47.762	ug/l	94
49) 1,4-Dioxane	9.516	88	1091	9.125	ug/l #	61
55) 1,1,2-Trichloroethane	10.857	97	1075	0.241	ug/l #	16
71) Bromoform	12.668	173	1007	0.299	ug/l #	28
76) 1,2,3-Trichloropropane	12.674	75	138979	20.724	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	138979	44.729	ug/l #	10
95) Naphthalene	15.433	128	215	1.600	ug/l #	69

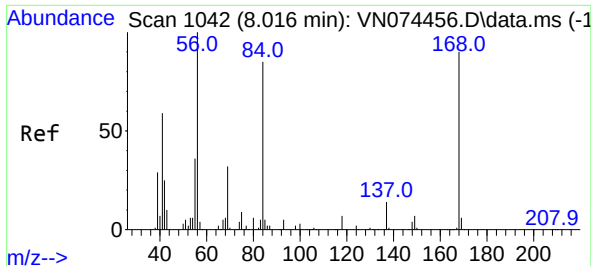
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 19 02:57:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

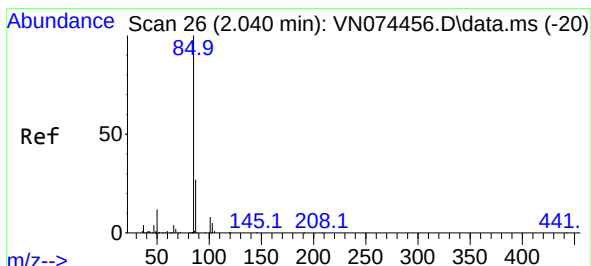
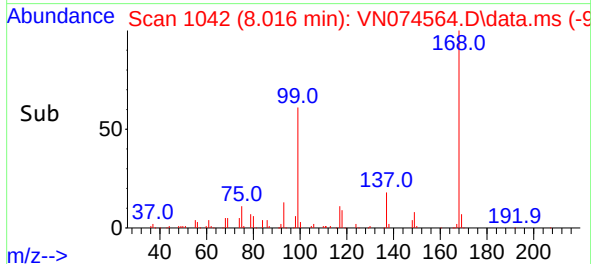
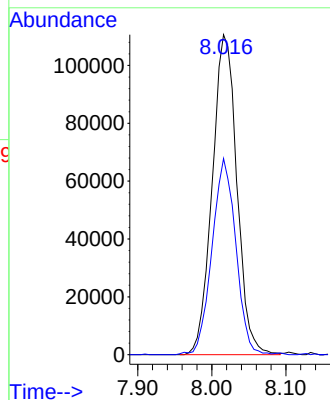
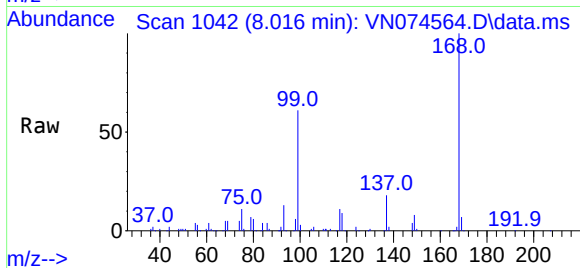




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

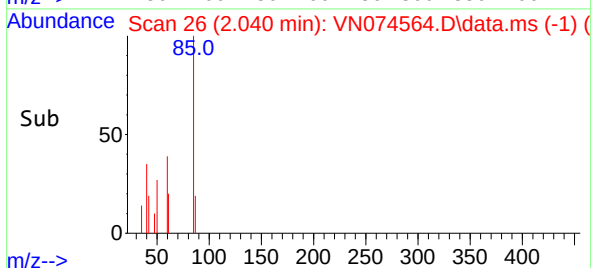
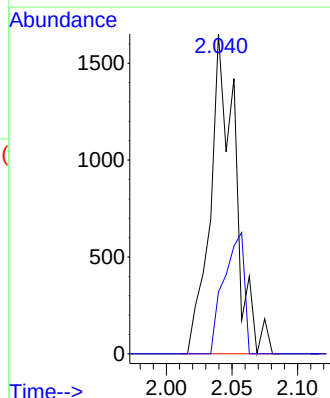
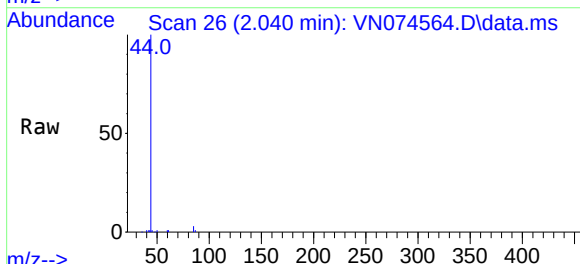
Instrument : MSVOA_N
ClientSampleId : BP-VPB-RW5-GW-478-480

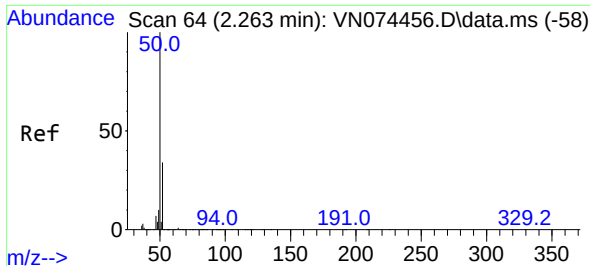
Tgt Ion:168 Resp: 255534
Ion Ratio Lower Upper
168 100
99 61.0 42.3 63.5



#2
Dichlorodifluoromethane
Concen: 0.790 ug/l
RT: 2.040 min Scan# 26
Delta R.T. -0.000 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

Tgt Ion: 85 Resp: 2198
Ion Ratio Lower Upper
85 100
87 19.3 15.7 47.1

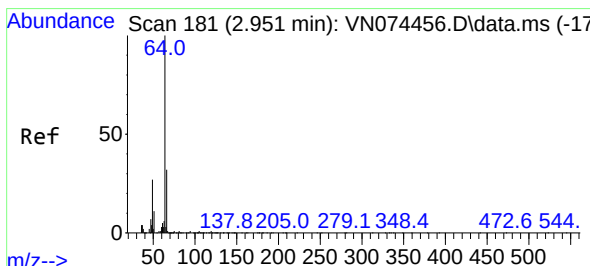
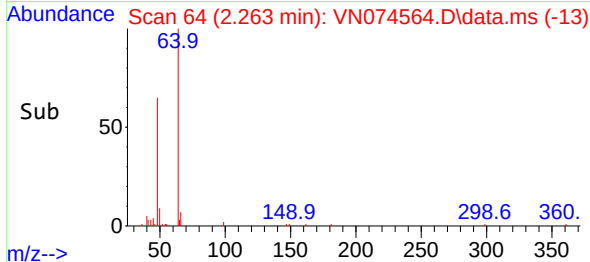
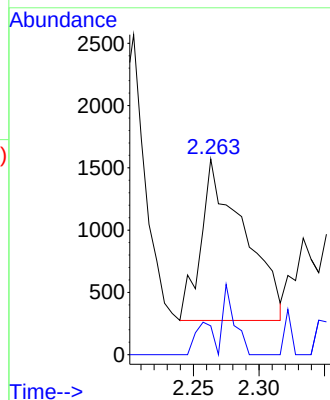
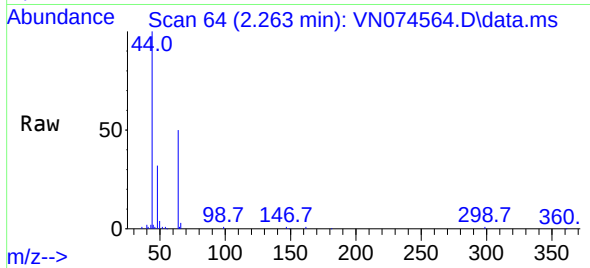




#3
Chloromethane
Concen: 0.886 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

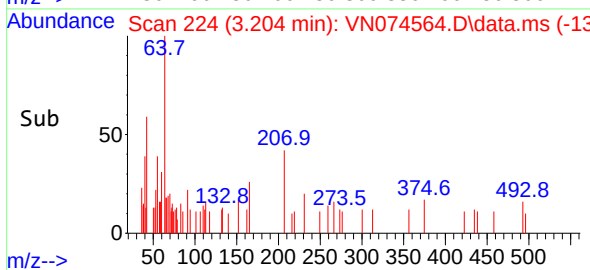
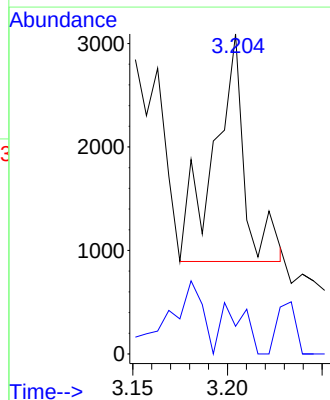
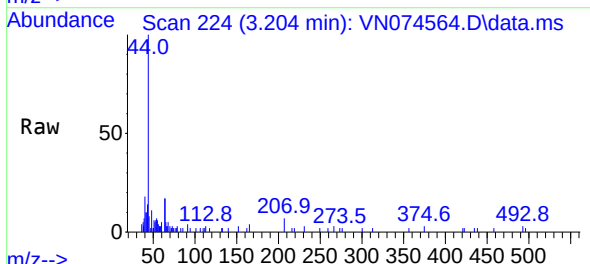
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-478-480

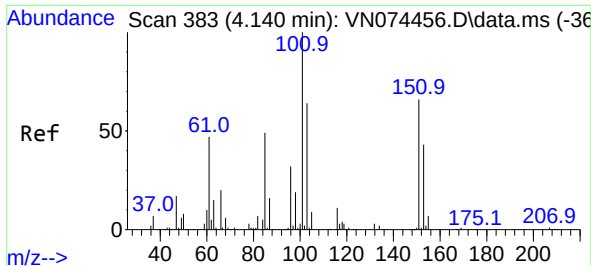
Tgt Ion: 50 Resp: 2952
Ion Ratio Lower Upper
50 100
52 17.8 25.7 38.5#



#6
Chloroethane
Concen: 0.718 ug/l
RT: 3.204 min Scan# 224
Delta R.T. 0.253 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

Tgt Ion: 64 Resp: 2455
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

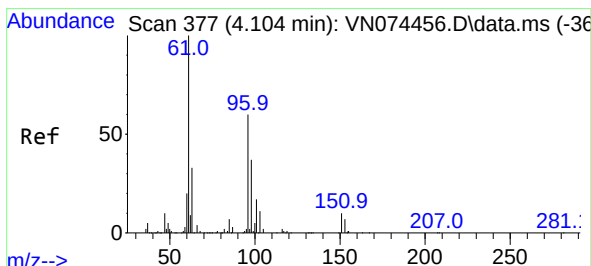
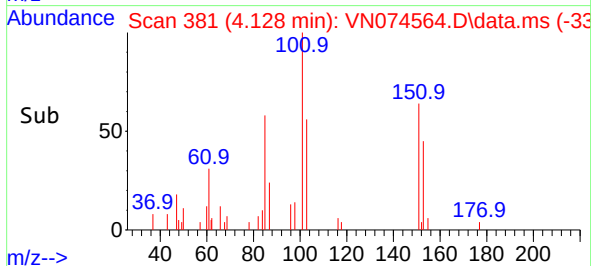
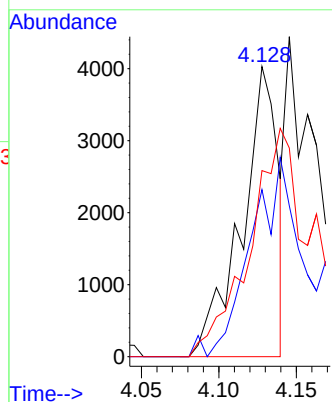
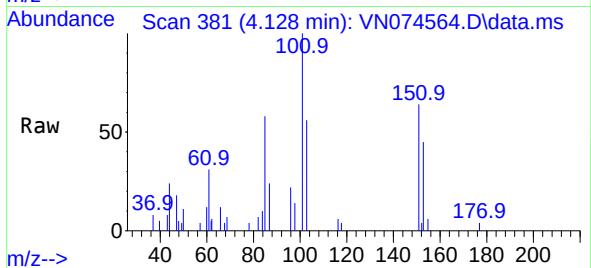




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.905 ug/l
RT: 4.128 min Scan# 381
Delta R.T. -0.012 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

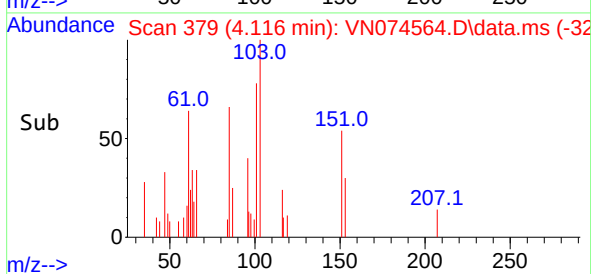
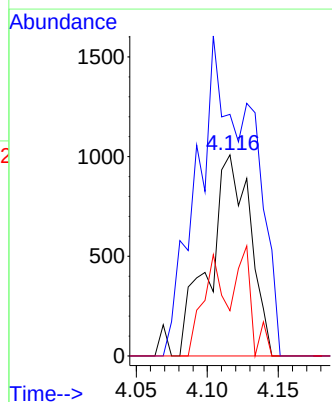
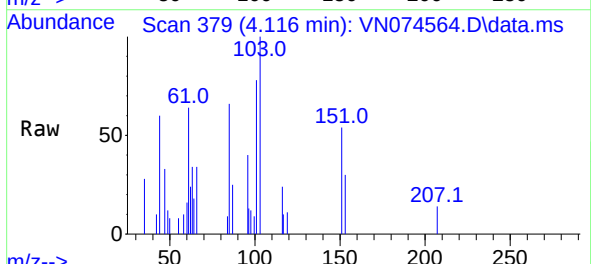
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-478-480

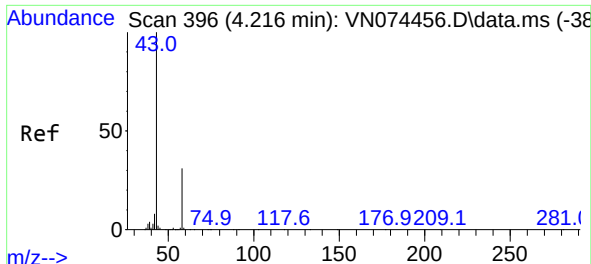
Tgt Ion:101 Resp: 6516
Ion Ratio Lower Upper
101 100
85 105.5 34.7 52.1#
151 142.2 63.0 94.4#



#12
1,1-Dichloroethene
Concen: 1.277 ug/l
RT: 4.116 min Scan# 379
Delta R.T. 0.012 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

Tgt Ion: 96 Resp: 2025
Ion Ratio Lower Upper
96 100
61 120.1 127.6 191.4#
98 22.5 51.2 76.8#

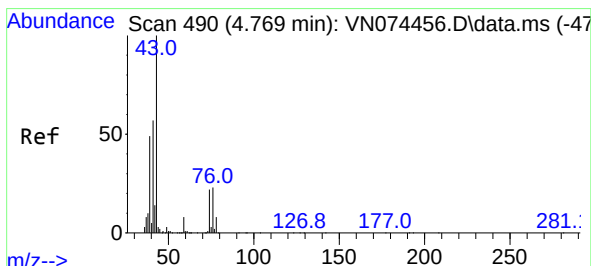
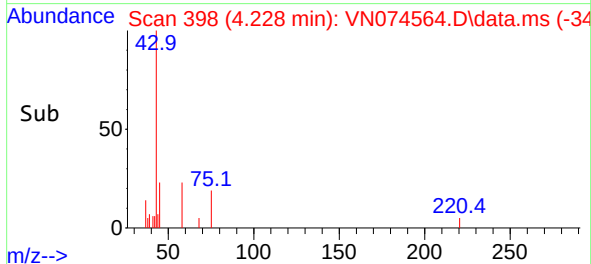
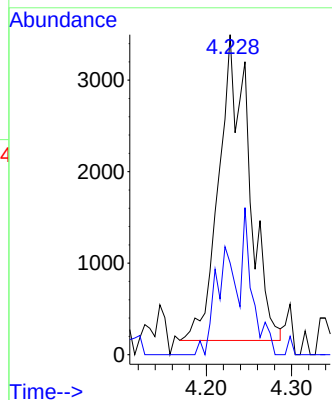
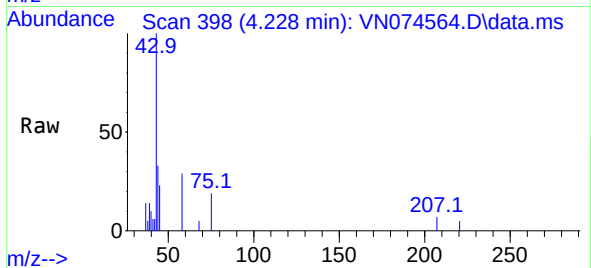




#16
Acetone
Concen: 2.970 ug/l
RT: 4.228 min Scan# 396
Delta R.T. 0.012 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

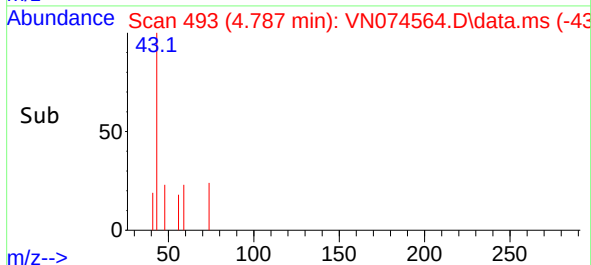
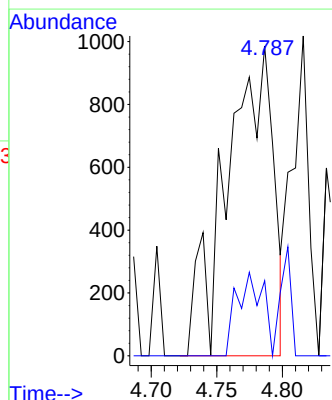
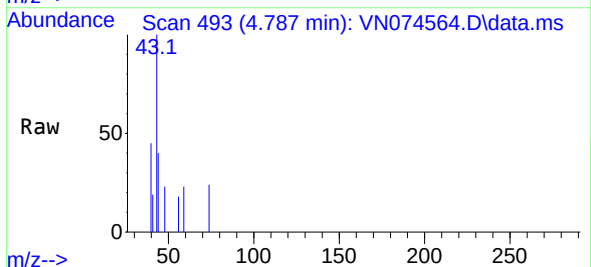
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-478-480

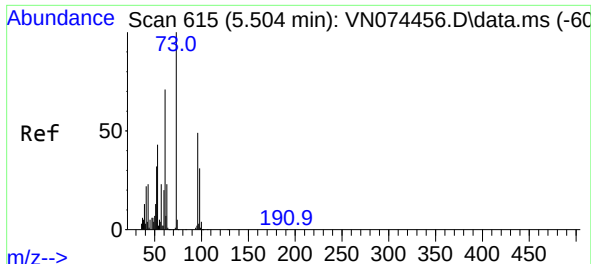
Tgt Ion: 43 Resp: 8239
Ion Ratio Lower Upper
43 100
58 30.0 26.0 39.0



#18
Methyl Acetate
Concen: 0.283 ug/l
RT: 4.787 min Scan# 493
Delta R.T. 0.018 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

Tgt Ion: 43 Resp: 2439
Ion Ratio Lower Upper
43 100
74 14.9 21.6 32.4#

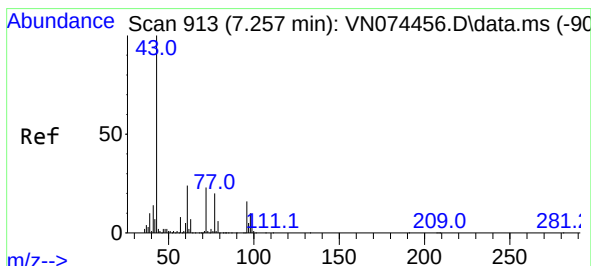
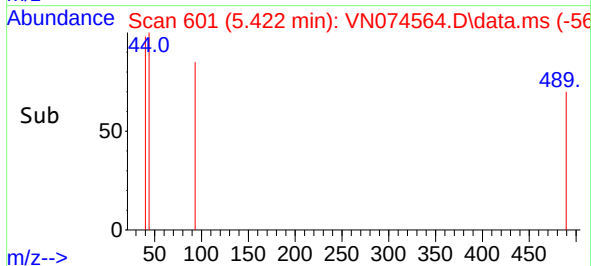
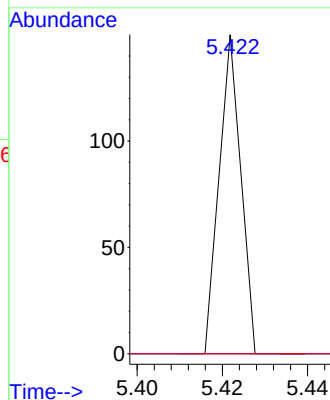
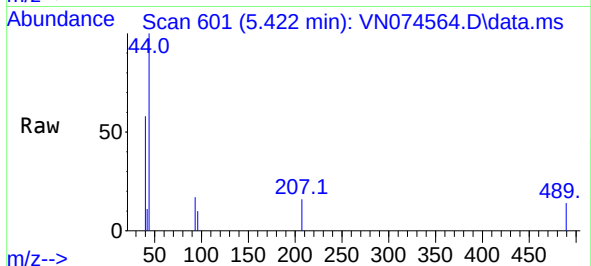




#21
trans-1,2-Dichloroethene
Concen: 0.443 ug/l
RT: 5.422 min Scan# 601
Delta R.T. -0.082 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

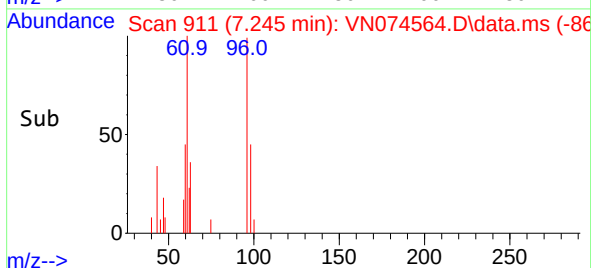
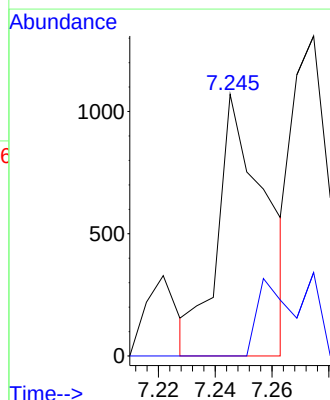
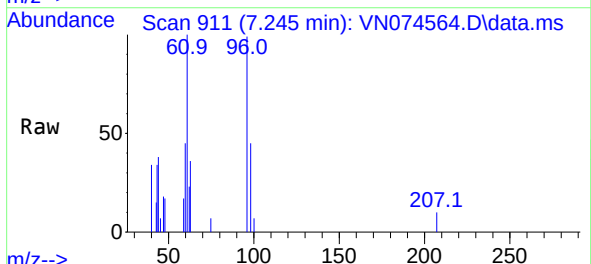
Instrument :
MSVOA_N
ClientSampleId :
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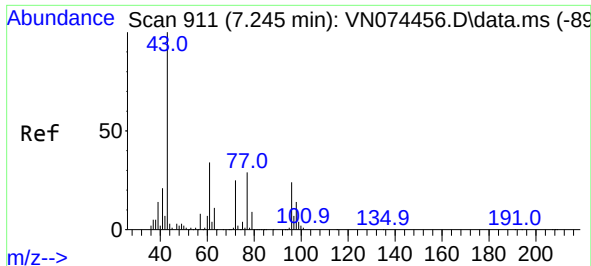
Tgt Ion: 96 Resp: 53
Ion Ratio Lower Upper
96 100
61 0.0 105.8 158.8#
98 0.0 50.3 75.5#



#25
2-Butanone
Concen: 0.269 ug/l
RT: 7.245 min Scan# 911
Delta R.T. -0.012 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

Tgt Ion: 43 Resp: 1241
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#

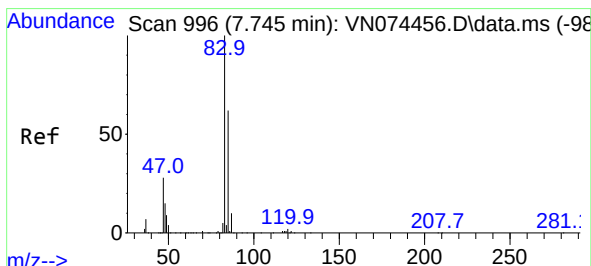
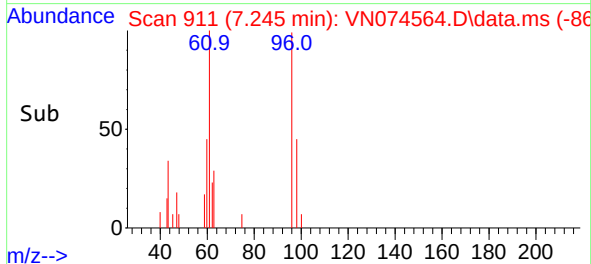
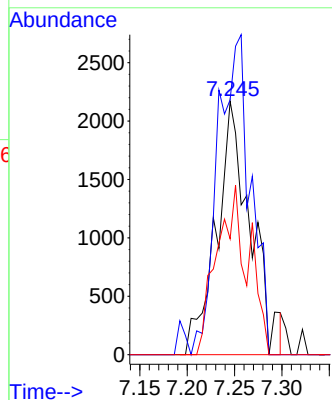
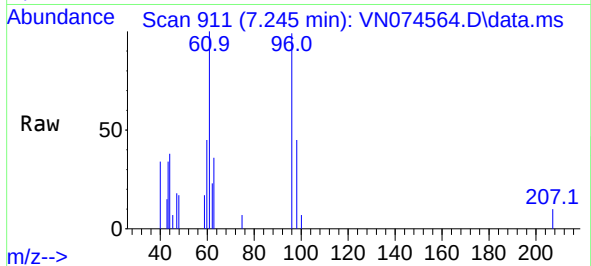




#27
cis-1,2-Dichloroethene
Concen: 1.148 ug/l
RT: 7.245 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

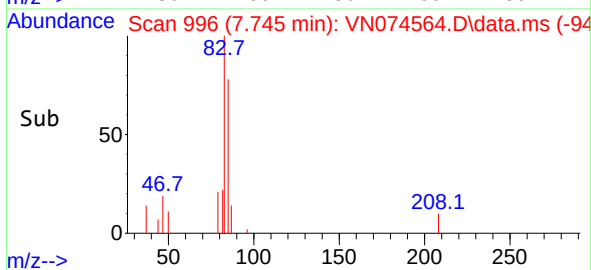
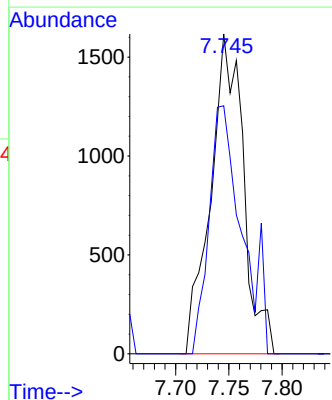
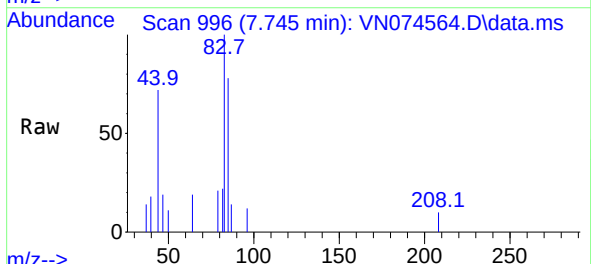
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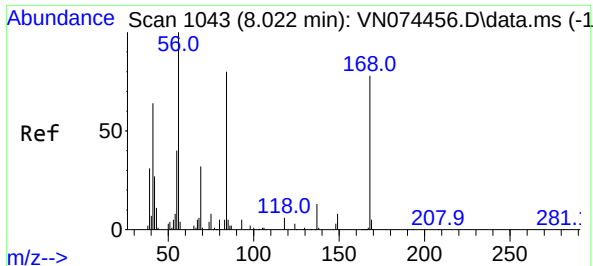
Tgt Ion: 96 Resp: 5433
Ion Ratio Lower Upper
96 100
61 121.0 0.0 280.6
98 48.8 0.0 128.4



#30
Chloroform
Concen: 0.464 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

Tgt Ion: 83 Resp: 3457
Ion Ratio Lower Upper
83 100
85 77.6 51.8 77.8

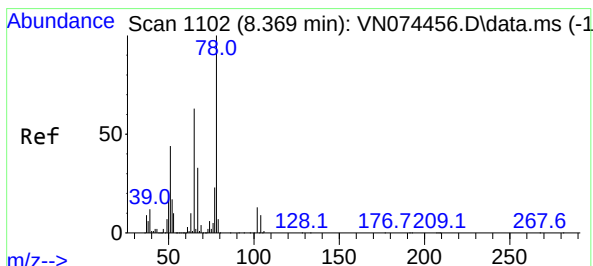
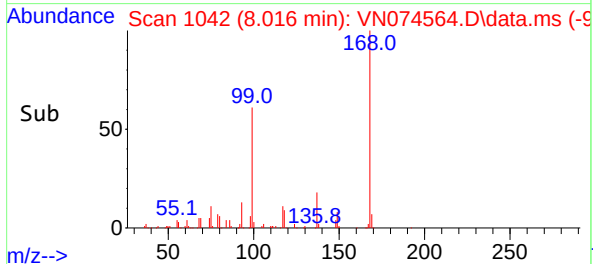
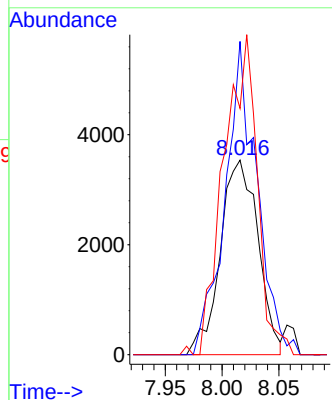
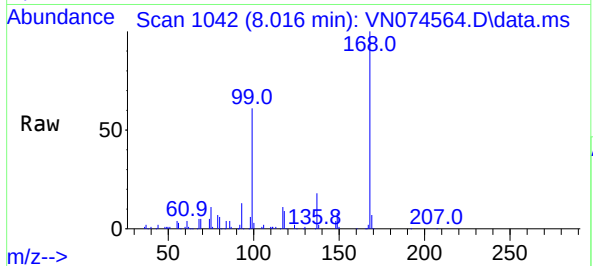




#31
Cyclohexane
Concen: 1.064 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

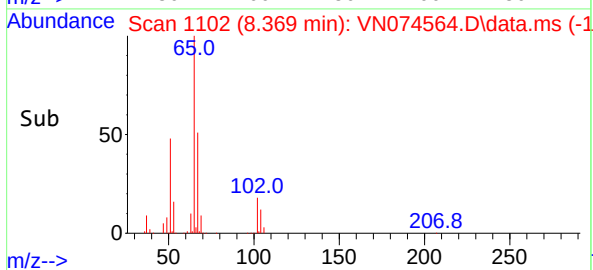
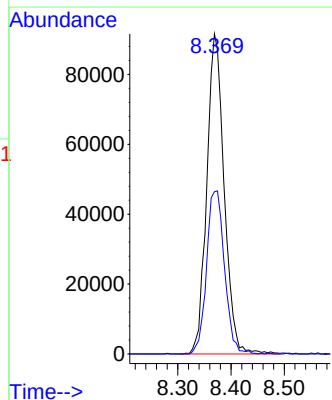
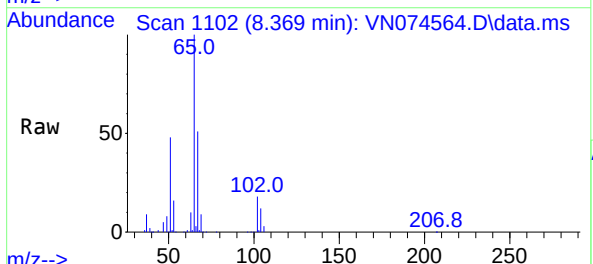
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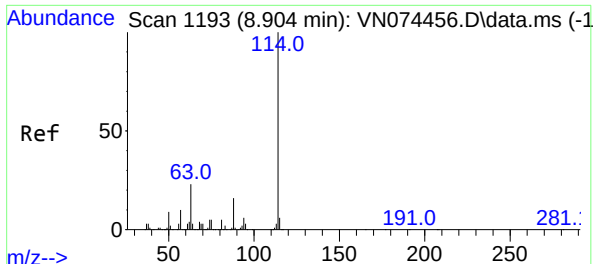
Tgt Ion: 56 Resp: 8189
Ion Ratio Lower Upper
56 100
69 161.0 27.8 41.8#
84 126.6 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 47.964 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

Tgt Ion: 65 Resp: 207961
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.8



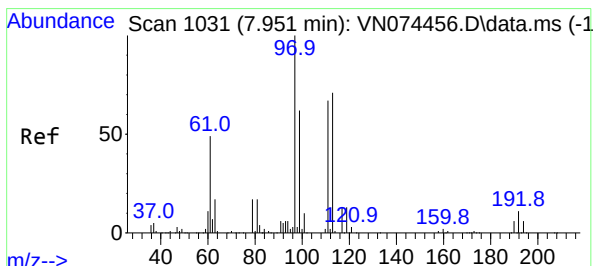
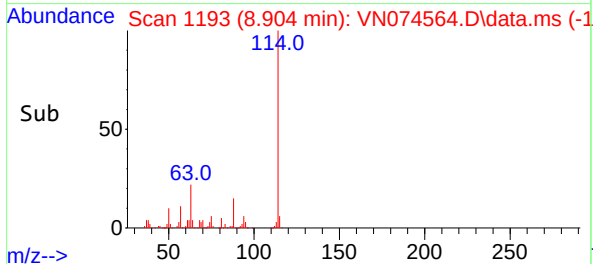
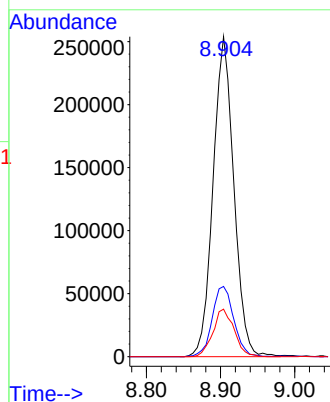
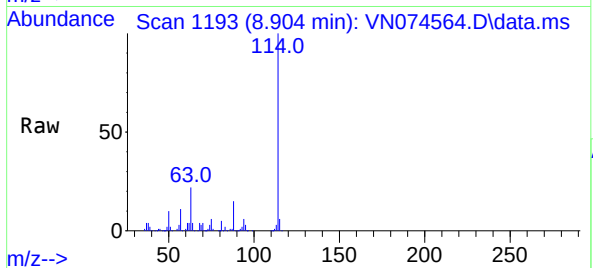


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-478-480

Tgt Ion:114 Resp: 493092

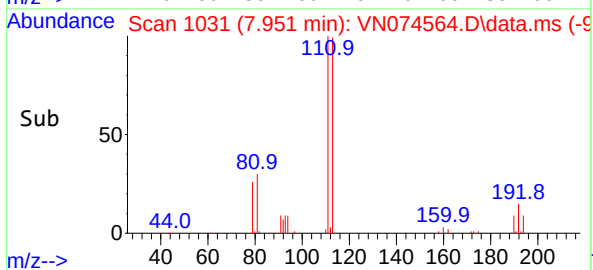
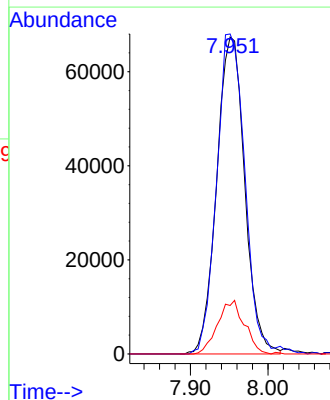
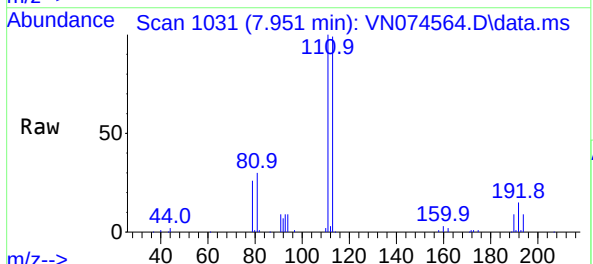
Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	40.0
88	14.8	0.0	32.6

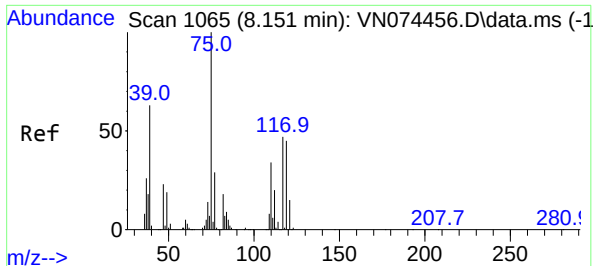


#35
Dibromofluoromethane
Concen: 51.658 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

Tgt Ion:113 Resp: 169208

Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.4	122.0
192	16.2	17.0	25.6

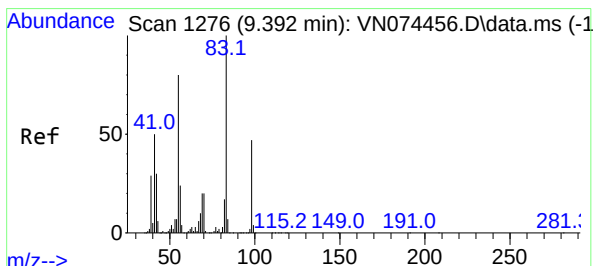
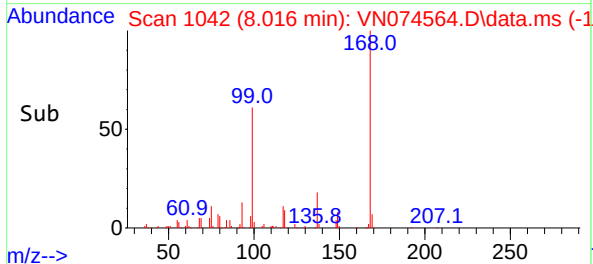
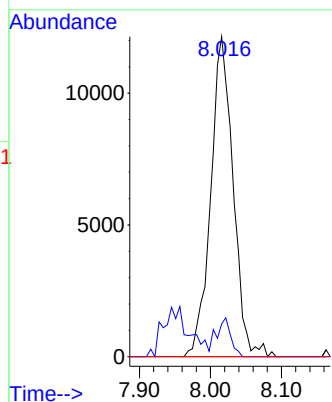
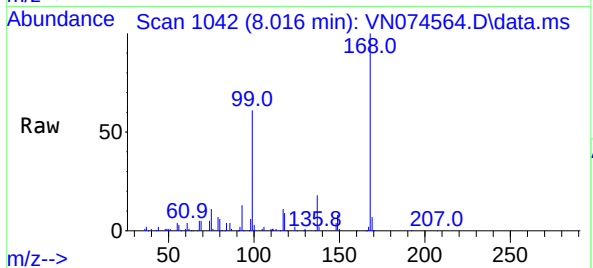




#36
1,1-Dichloropropene
Concen: 4.596 ug/l
RT: 8.016 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

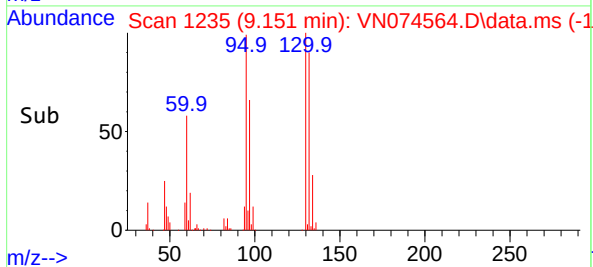
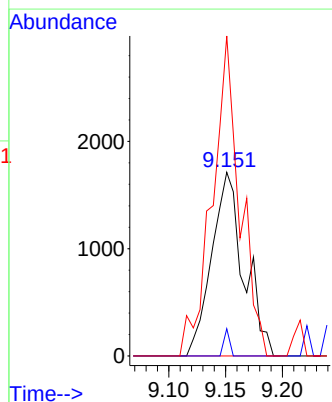
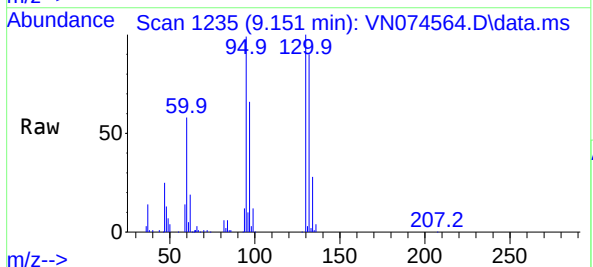
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-478-480

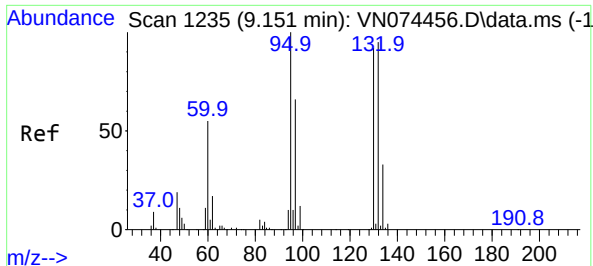
Tgt Ion: 75 Resp: 26648
Ion Ratio Lower Upper
75 100
110 7.7 18.3 54.8#
77 0.0 25.1 37.7#



#39
Methylcyclohexane
Concen: 0.489 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. -0.241 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

Tgt Ion: 83 Resp: 3371
Ion Ratio Lower Upper
83 100
55 14.8 57.8 86.8#
98 174.2 39.4 59.2#

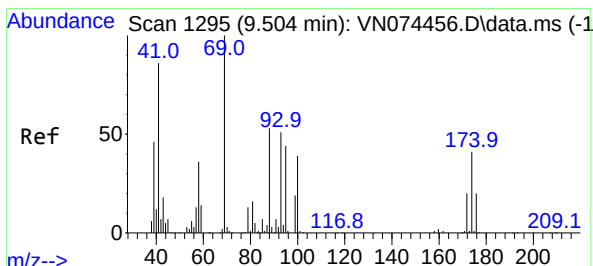
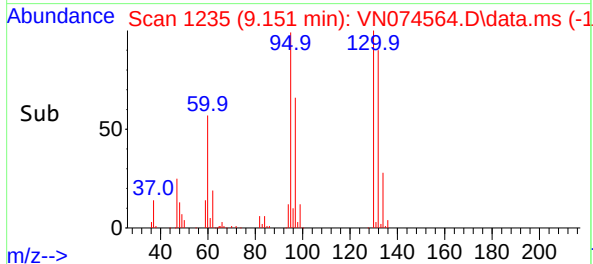
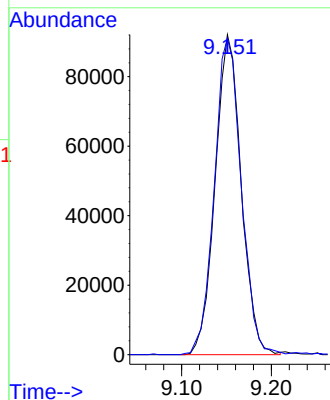
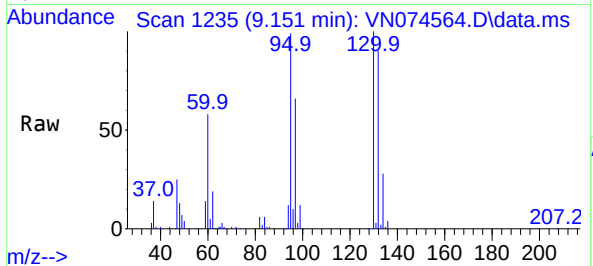




#44
Trichloroethene
Concen: 47.762 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

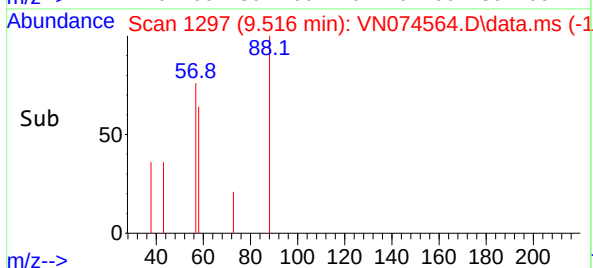
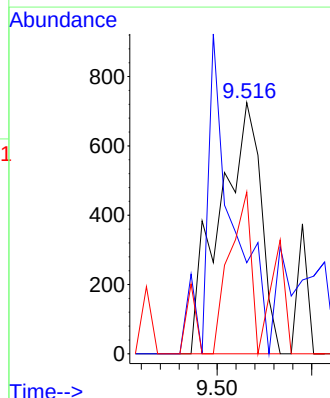
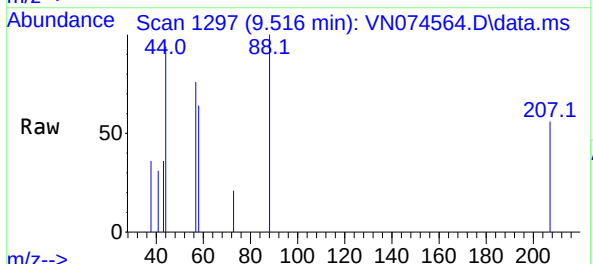
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-478-480

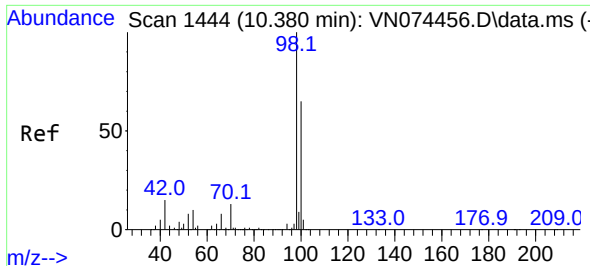
Tgt Ion:130 Resp: 185290
Ion Ratio Lower Upper
130 100
95 98.9 0.0 186.8



#49
1,4-Dioxane
Concen: 9.125 ug/l
RT: 9.516 min Scan# 1297
Delta R.T. 0.012 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

Tgt Ion: 88 Resp: 1091
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 39.4 54.2 81.4#

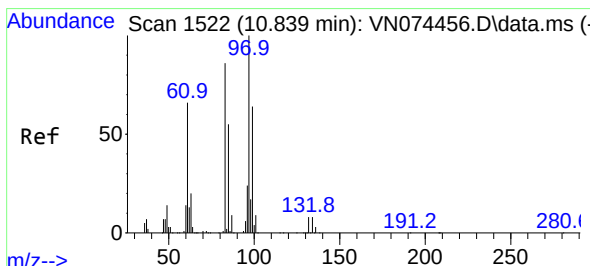
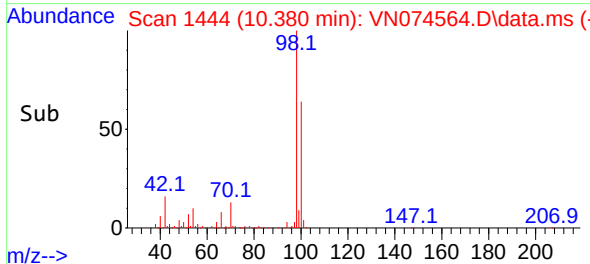
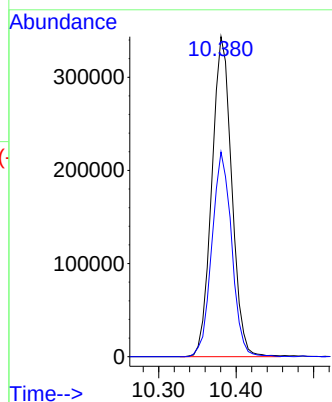
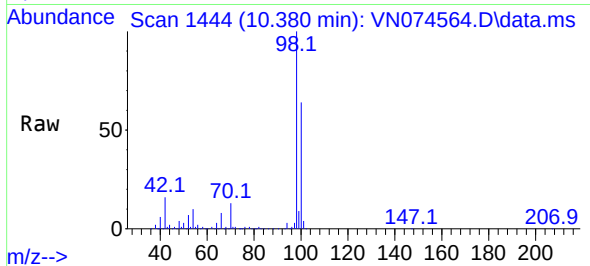




#50
Toluene-d8
Concen: 48.439 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

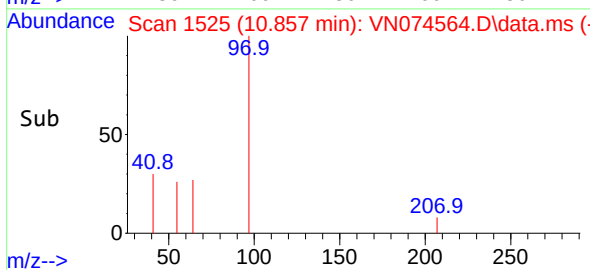
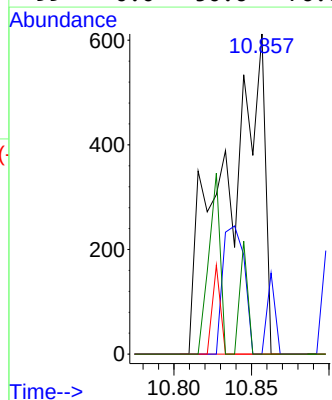
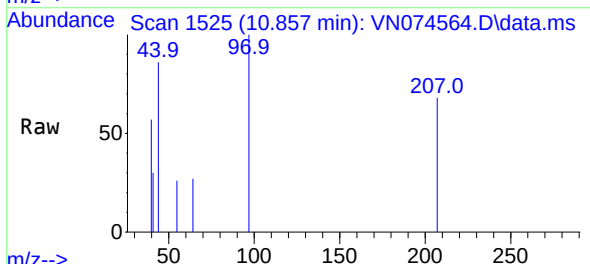
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-478-480

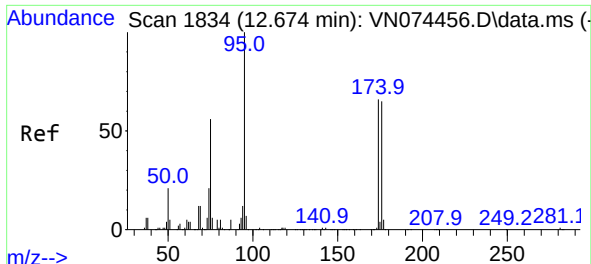
Tgt Ion: 98 Resp: 613604
Ion Ratio Lower Upper
98 100
100 63.6 52.6 78.8



#55
1,1,2-Trichloroethane
Concen: 0.241 ug/l
RT: 10.857 min Scan# 1525
Delta R.T. 0.018 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

Tgt Ion: 97 Resp: 1075
Ion Ratio Lower Upper
97 100
83 0.0 66.2 99.4#
85 0.0 43.9 65.9#
99 0.0 50.6 76.0#

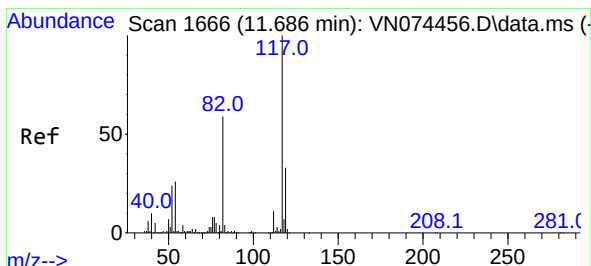
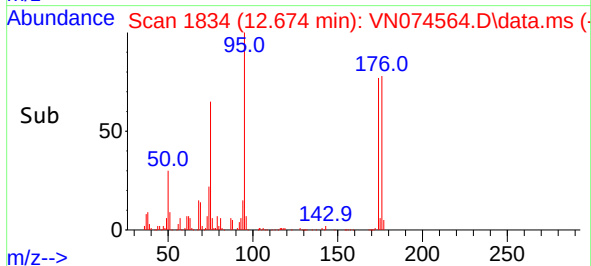
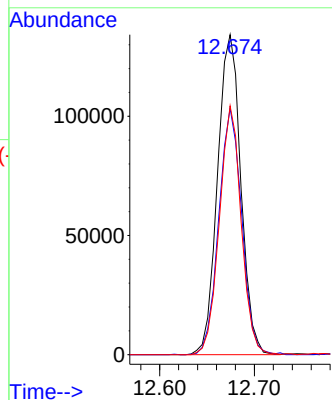
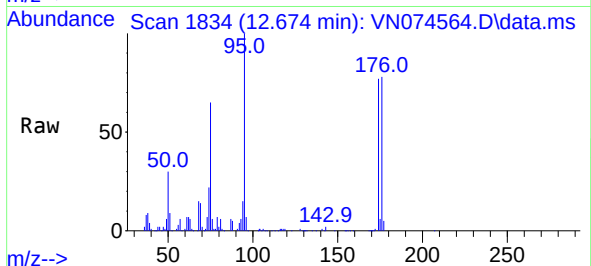




#62
4-Bromofluorobenzene
Concen: 52.862 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

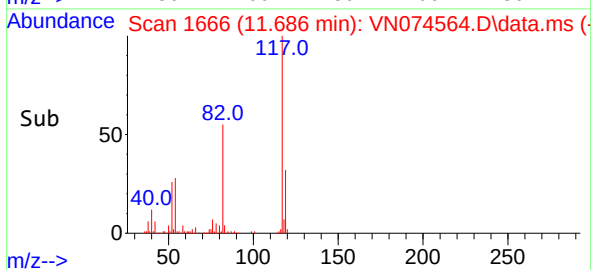
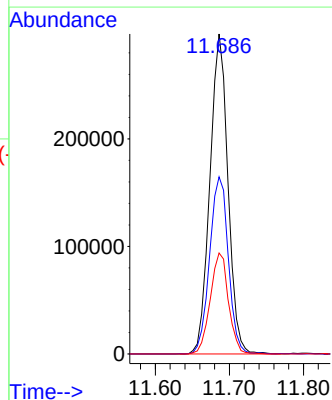
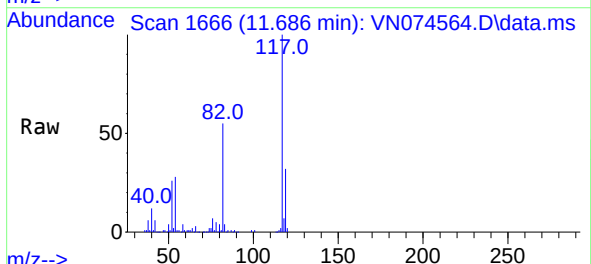
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-478-480

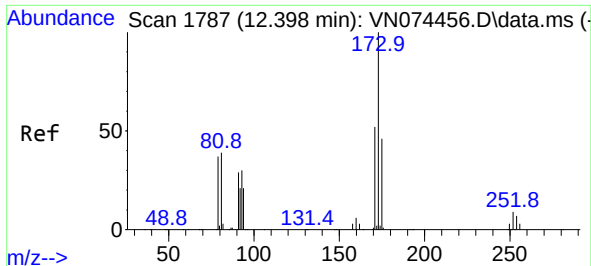
Tgt Ion: 95 Resp: 229347
Ion Ratio Lower Upper
95 100
174 75.7 0.0 167.6
176 73.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

Tgt Ion: 117 Resp: 502972
Ion Ratio Lower Upper
117 100
82 55.3 44.2 66.2
119 31.6 25.4 38.0

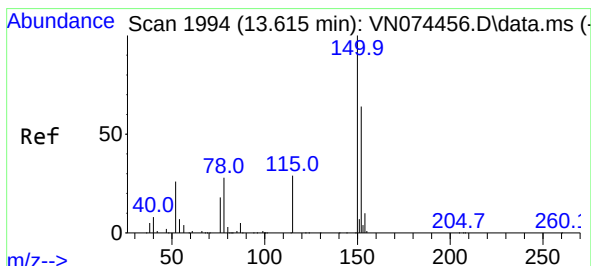
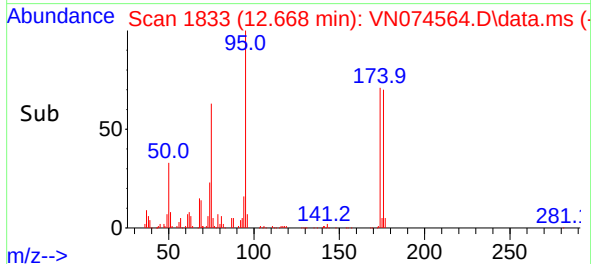
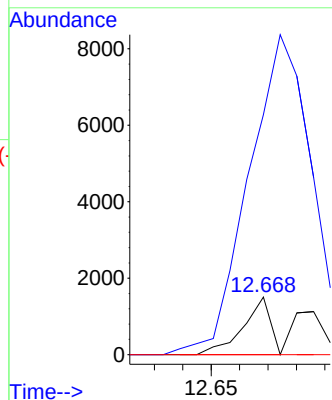
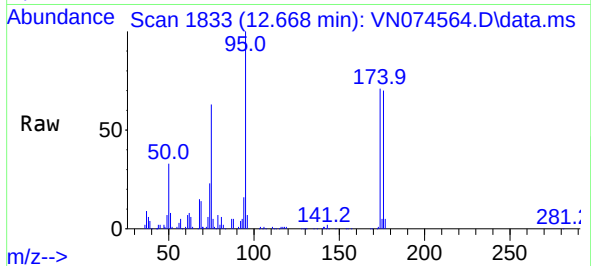




#71
Bromoform
Concen: 0.299 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.270 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

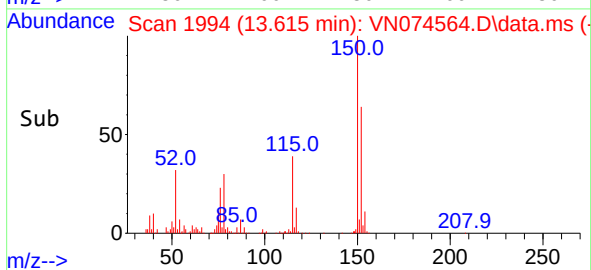
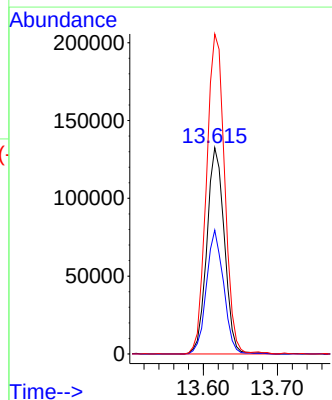
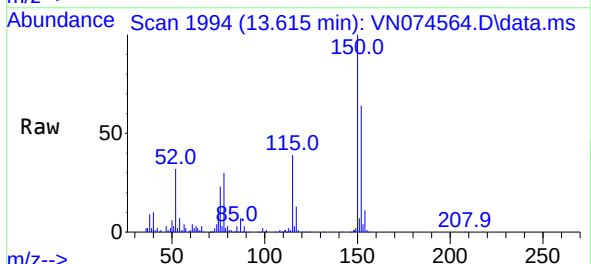
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-478-480

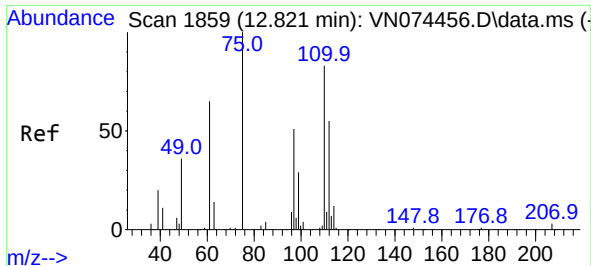
Tgt Ion:173 Resp: 1007
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

Tgt Ion:152 Resp: 217867
Ion Ratio Lower Upper
152 100
115 58.9 28.9 86.7
150 159.8 0.0 356.2

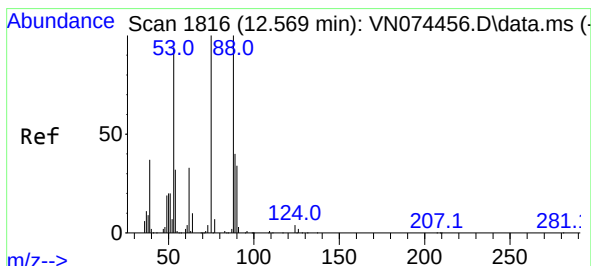
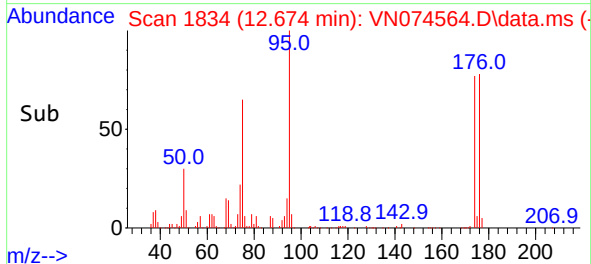
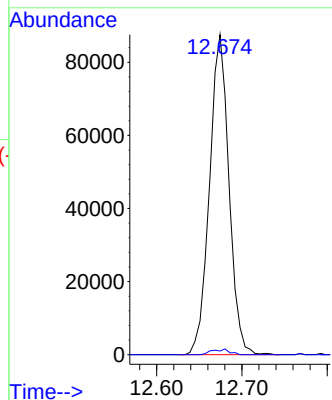
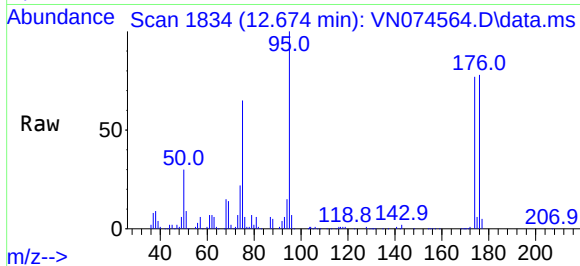




#76
1,2,3-Trichloropropane
Concen: 20.724 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

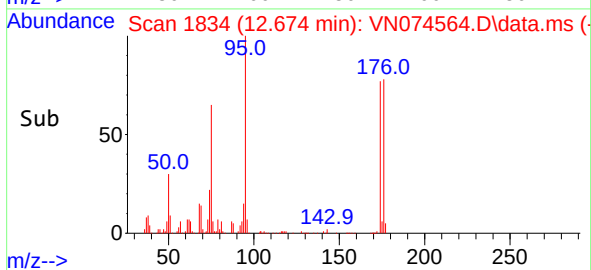
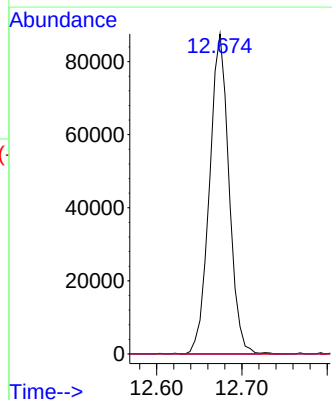
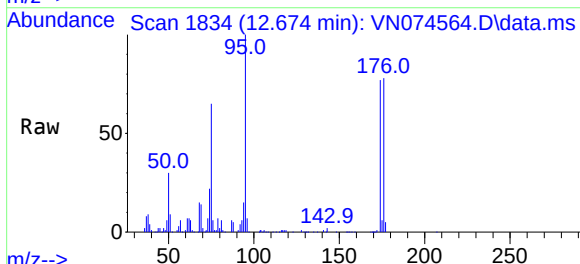
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-478-480

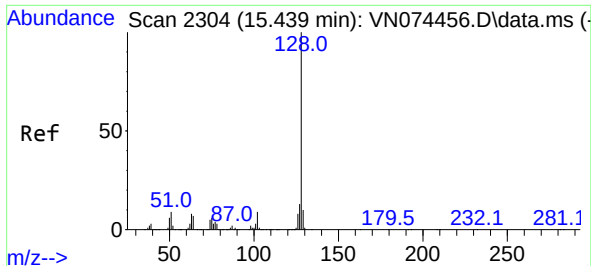
Tgt Ion: 75 Resp: 138979
Ion Ratio Lower Upper
75 100
77 1.5 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 44.729 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074564.D
Acq: 17 Sep 2022 18:30

Tgt Ion: 75 Resp: 138979
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 1.600 ug/l

RT: 15.433 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN074564.D

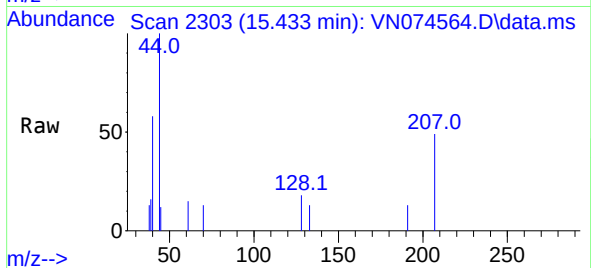
Acq: 17 Sep 2022 18:30

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW5-GW-478-480



Tgt Ion:128 Resp: 215

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#

