

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101722\
 Data File : VN074926.D
 Acq On : 17 Oct 2022 19:20
 Operator : JC\MD
 Sample : N5149-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-918-920

Quant Time: Oct 18 03:09:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101722W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 17 16:03:54 2022
 Response via : Initial Calibration

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

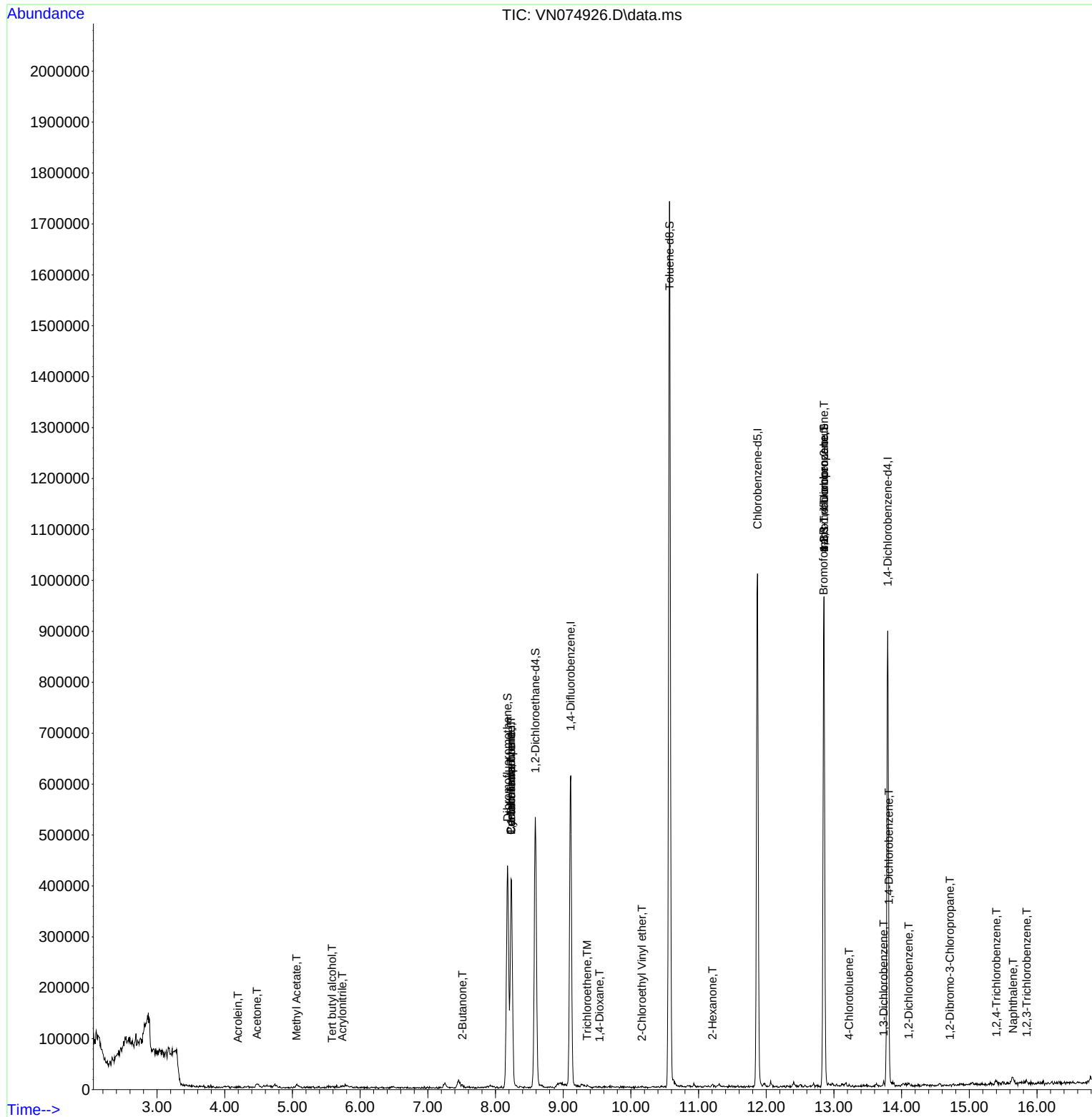
Internal Standards						
1) Pentafluorobenzene	8.229	168	293162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	531158	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	554090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	220690	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	386963	50.040	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.080%	
35) Dibromofluoromethane	8.177	113	296485	49.646	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.300%	
50) Toluene-d8	10.571	98	1184903	47.847	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.700%	
62) 4-Bromofluorobenzene	12.853	95	291430	40.506	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 81.020%#	
Target Compounds						Qvalue
3) Chloromethane	2.383	50	4411	Below Cal		90
5) Bromomethane	2.947	94	2577	Below Cal	#	60
11) Tert butyl alcohol	5.583	59	714	0.424	ug/l #	95
13) Acrolein	4.194	56	372	0.224	ug/l #	46
15) Acrylonitrile	5.736	53	1663	0.378	ug/l #	73
16) Acetone	4.477	43	12667	3.484	ug/l	98
18) Methyl Acetate	5.059	43	6165	0.602	ug/l	100
25) 2-Butanone	7.512	43	3360	0.555	ug/l #	81
31) Cyclohexane	8.229	56	9454	0.945	ug/l #	50
36) 1,1-Dichloropropene	8.229	75	26504	3.380	ug/l #	51
38) Carbon Tetrachloride	8.229	117	30137	3.797	ug/l #	19
44) Trichloroethene	9.353	130	1581	0.286	ug/l	68
49) 1,4-Dioxane	9.535	88	60	0.370	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.165	63	372	9.432	ug/l #	49
59) 2-Hexanone	11.206	43	4394	0.483	ug/l	77
71) Bromoform	12.847	173	3511	0.845	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	160474	25.727	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	160474	61.840	ug/l #	9
82) 4-Chlorotoluene	13.223	91	2935	0.221	ug/l	90
87) 1,3-Dichlorobenzene	13.735	146	1839	0.242	ug/l #	56
88) 1,4-Dichlorobenzene	13.811	146	4508	0.562	ug/l #	22
91) 1,2-Dichlorobenzene	14.106	146	2291	0.302	ug/l	86
92) 1,2-Dibromo-3-Chloropr...	14.711	75	355	0.272	ug/l #	46
93) 1,2,4-Trichlorobenzene	15.400	180	2467	0.695	ug/l	88
95) Naphthalene	15.647	128	14049	0.919	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.847	180	2922	0.789	ug/l #	63

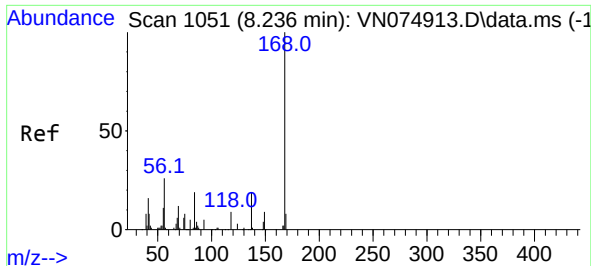
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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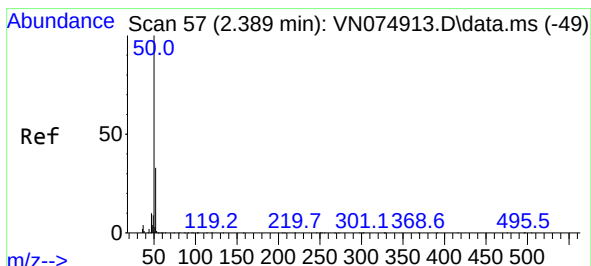
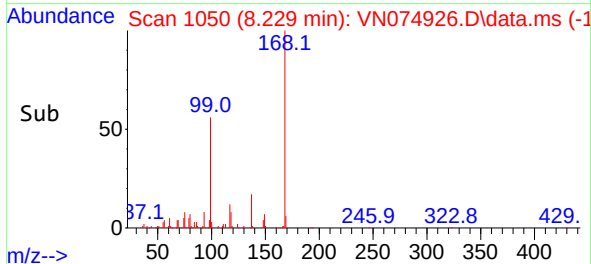
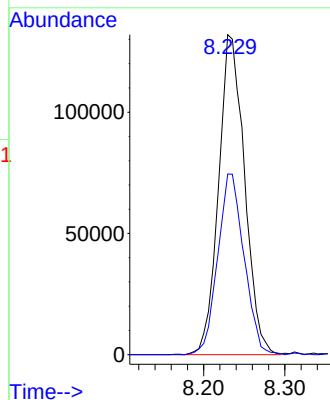
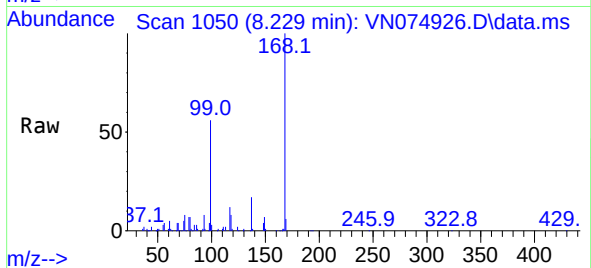




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.007 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

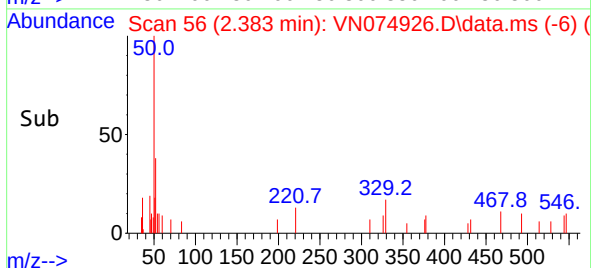
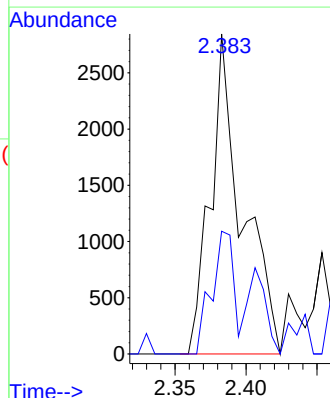
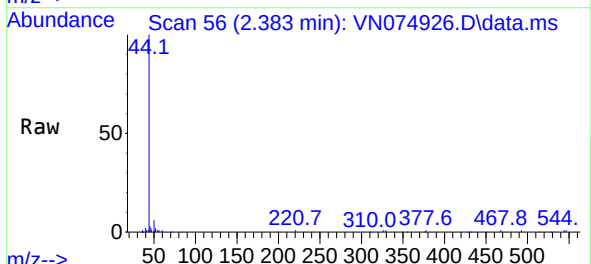
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-918-920

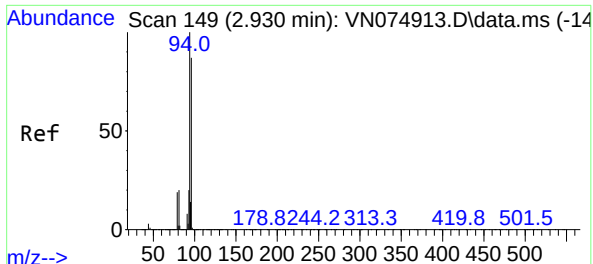
Tgt Ion:168 Resp: 293162
Ion Ratio Lower Upper
168 100
99 56.3 47.6 71.4



#3
Chloromethane
Concen: Below Cal
RT: 2.383 min Scan# 56
Delta R.T. -0.006 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

Tgt Ion: 50 Resp: 4411
Ion Ratio Lower Upper
50 100
52 38.4 26.1 39.1

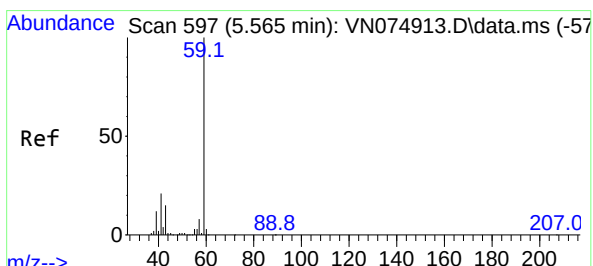
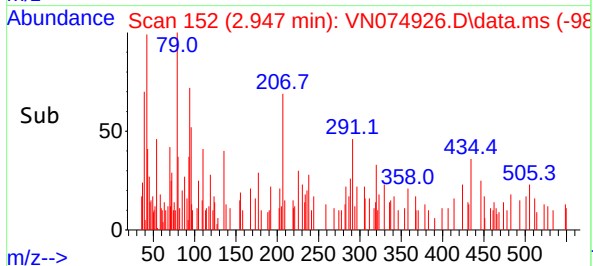
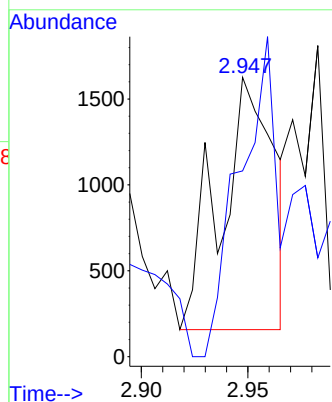
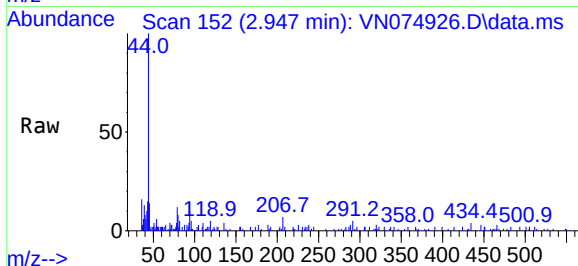




#5
Bromomethane
Concen: Below Cal
RT: 2.947 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

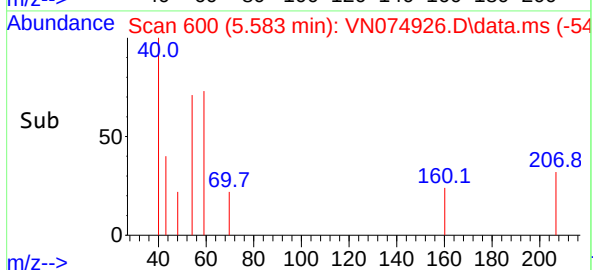
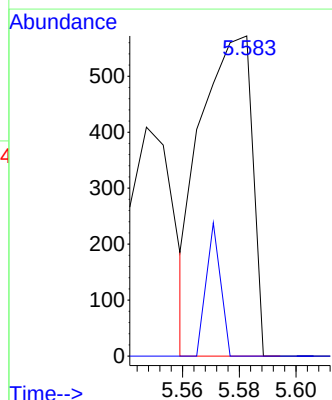
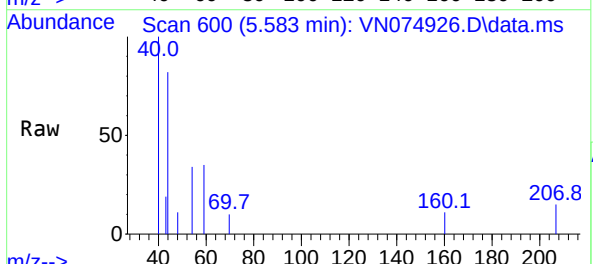
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-918-920

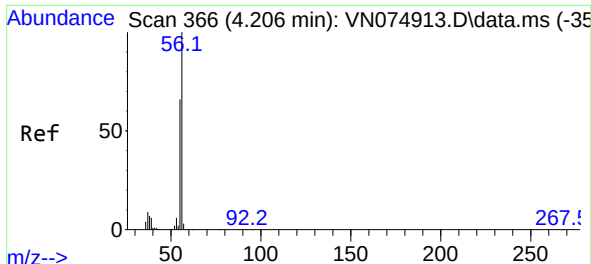
Tgt Ion: 94 Resp: 2577
Ion Ratio Lower Upper
94 100
96 50.6 70.0 105.0#



#11
Tert butyl alcohol
Concen: 0.424 ug/l
RT: 5.583 min Scan# 600
Delta R.T. 0.018 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

Tgt Ion: 59 Resp: 714
Ion Ratio Lower Upper
59 100
57 11.8 7.8 11.8#

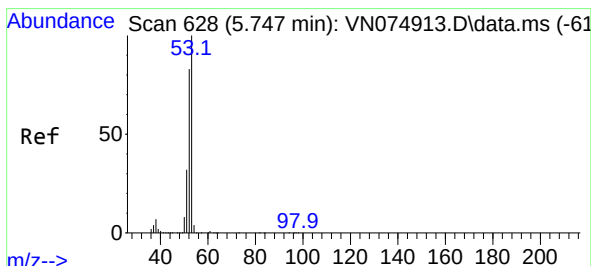
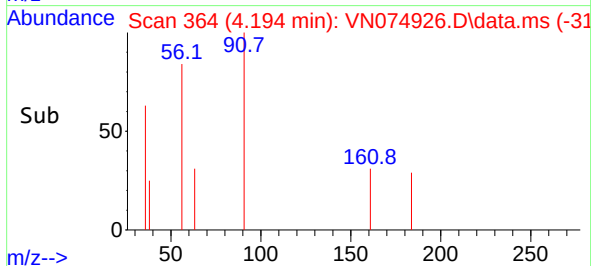
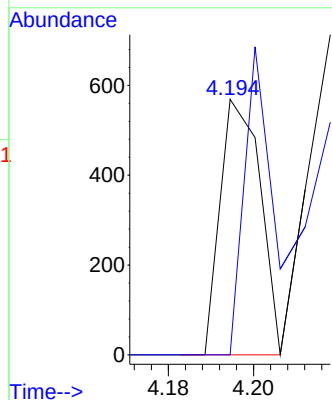
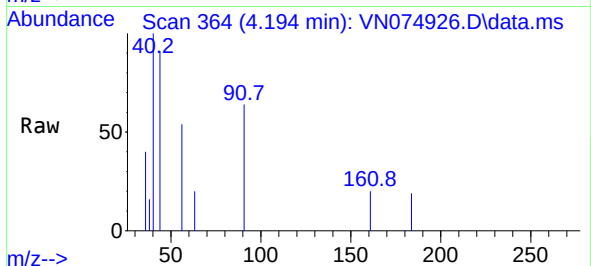




#13
Acrolein
Concen: 0.224 ug/l
RT: 4.194 min Scan# 30
Delta R.T. -0.012 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

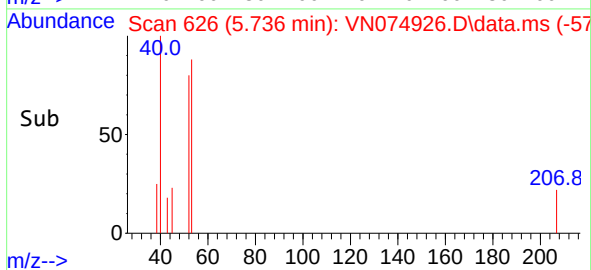
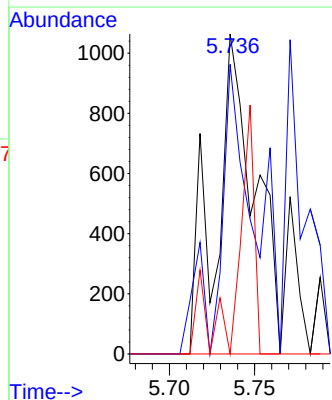
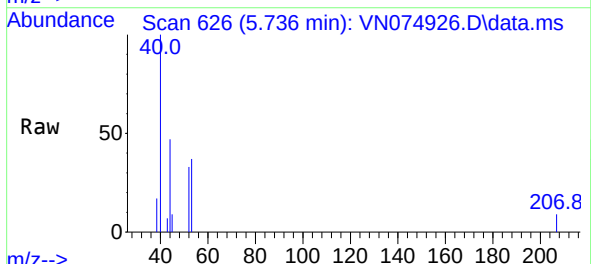
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-918-920

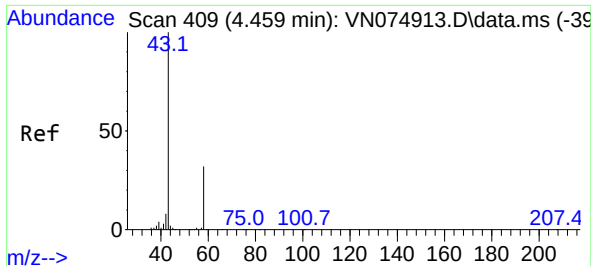
Tgt Ion: 56 Resp: 372
Ion Ratio Lower Upper
56 100
55 110.2 53.4 80.0#



#15
Acrylonitrile
Concen: 0.378 ug/l
RT: 5.736 min Scan# 626
Delta R.T. -0.012 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

Tgt Ion: 53 Resp: 1663
Ion Ratio Lower Upper
53 100
52 67.6 66.2 99.2
51 5.9 28.5 42.7#

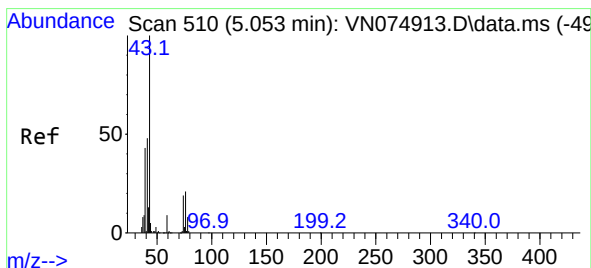
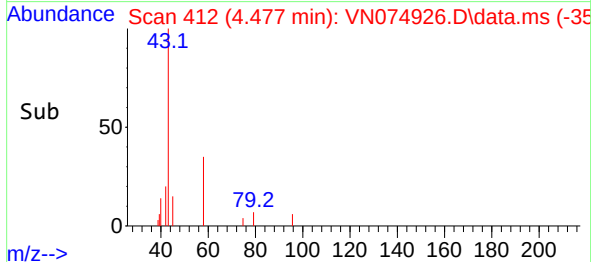
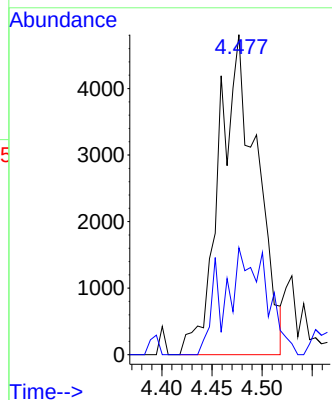
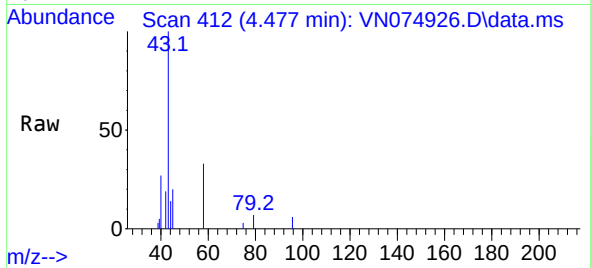




#16
Acetone
Concen: 3.484 ug/l
RT: 4.477 min Scan# 411
Delta R.T. 0.018 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

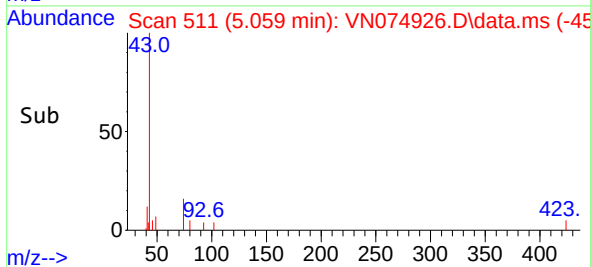
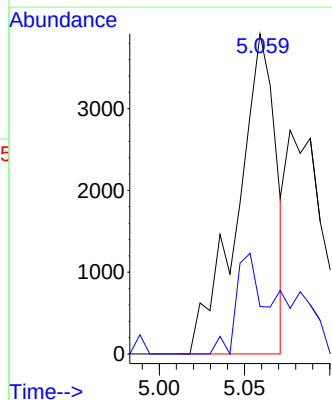
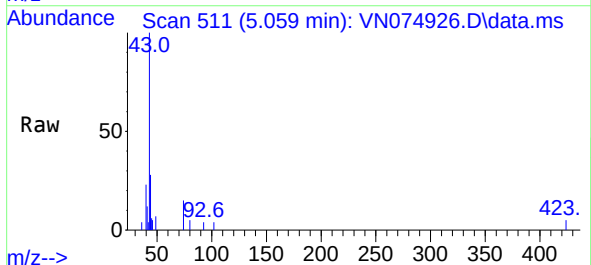
Instrument :
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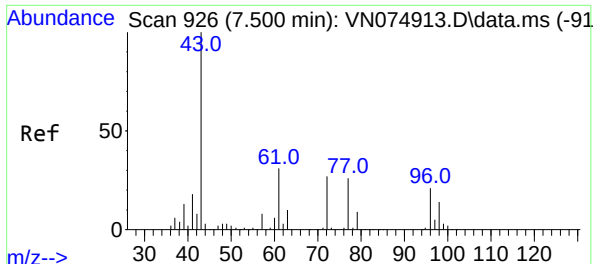
Tgt Ion: 43 Resp: 12667
Ion Ratio Lower Upper
43 100
58 33.4 25.8 38.8



#18
Methyl Acetate
Concen: 0.602 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.006 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

Tgt Ion: 43 Resp: 6165
Ion Ratio Lower Upper
43 100
74 21.2 17.0 25.6

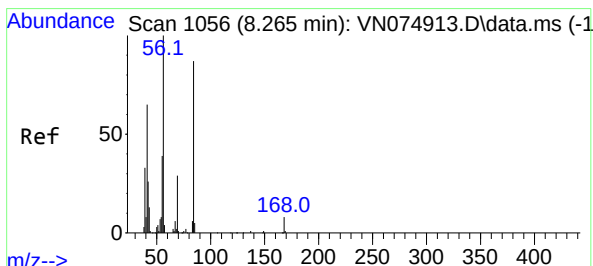
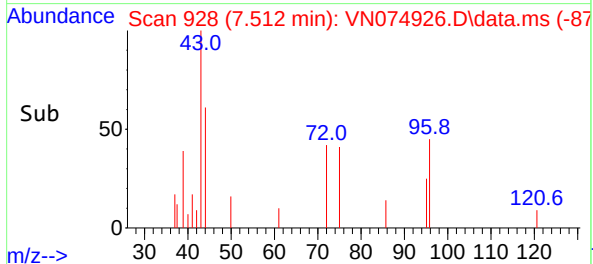
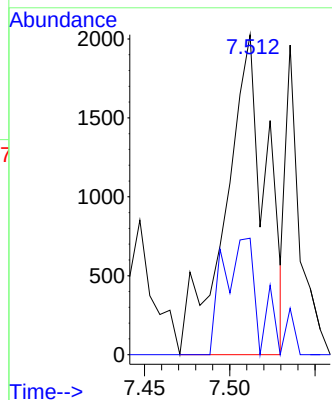
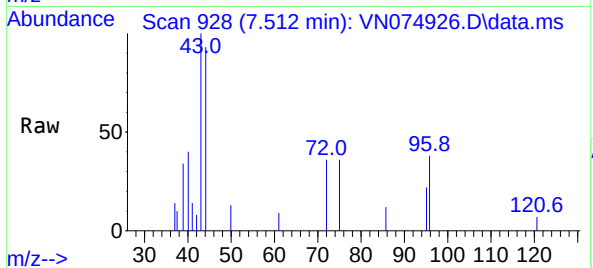




#25
2-Butanone
Concen: 0.555 ug/l
RT: 7.512 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

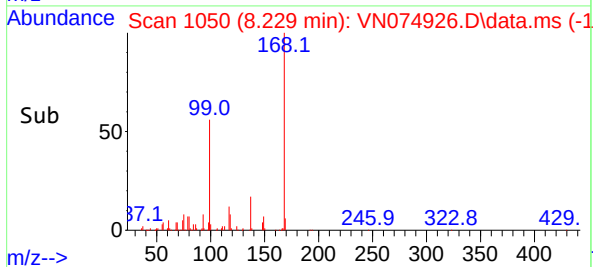
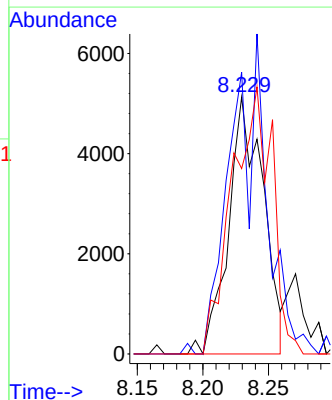
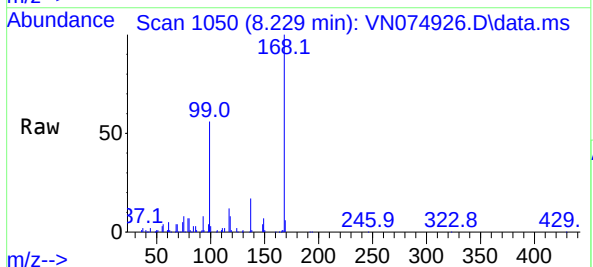
Instrument :
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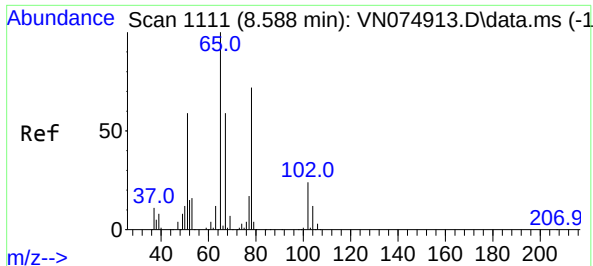
Tgt Ion: 43 Resp: 3360
Ion Ratio Lower Upper
43 100
72 36.4 21.3 31.9#



#31
Cyclohexane
Concen: 0.945 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

Tgt Ion: 56 Resp: 9454
Ion Ratio Lower Upper
56 100
69 109.6 23.4 35.0#
84 72.1 69.9 104.9

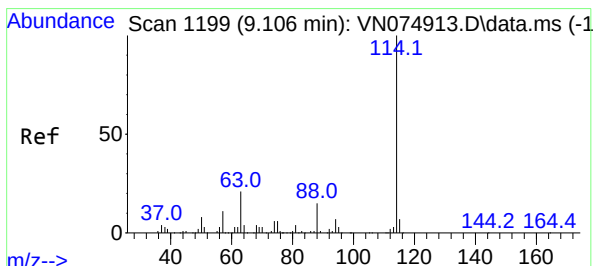
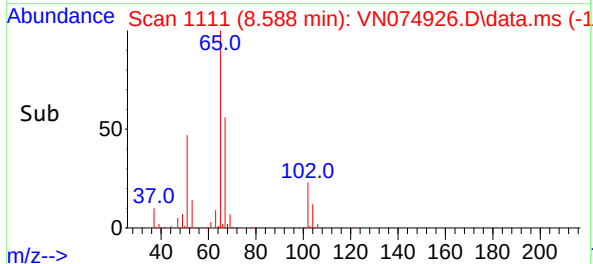
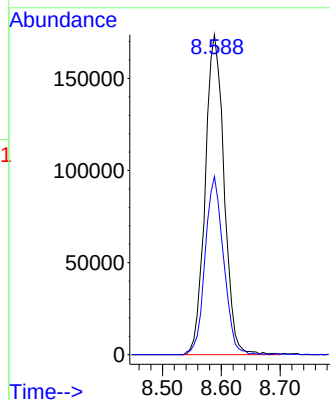
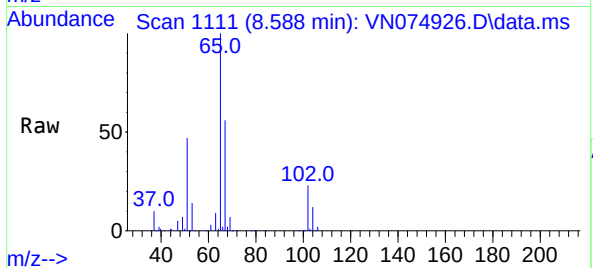




#33
1,2-Dichloroethane-d4
Concen: 50.040 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

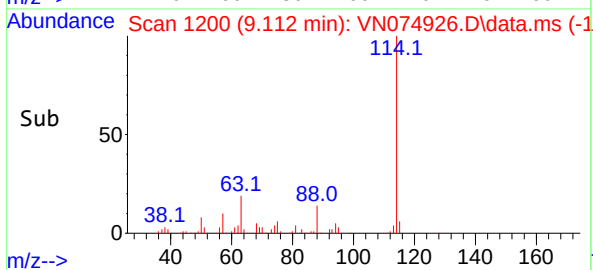
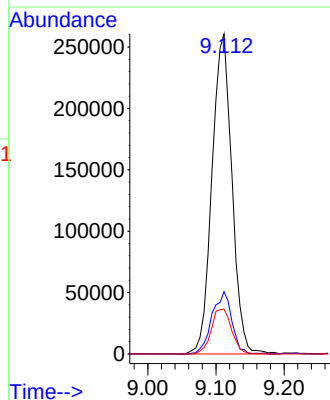
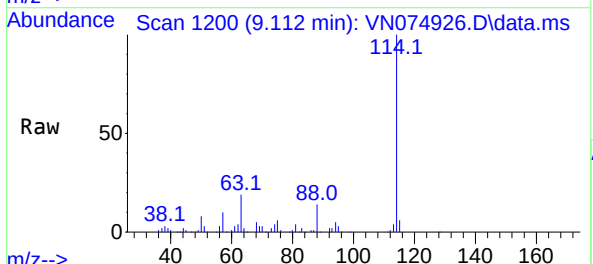
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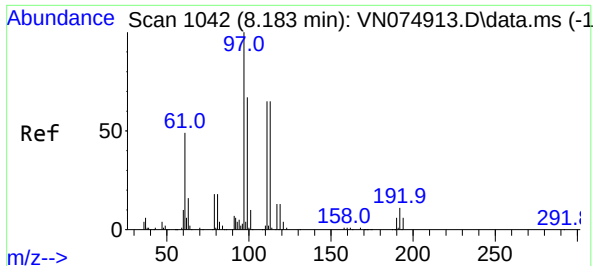
Tgt Ion: 65 Resp: 386963
Ion Ratio Lower Upper
65 100
67 54.6 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 1200
Delta R.T. 0.006 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

Tgt Ion: 114 Resp: 531158
Ion Ratio Lower Upper
114 100
63 19.4 0.0 41.2
88 14.0 0.0 30.2

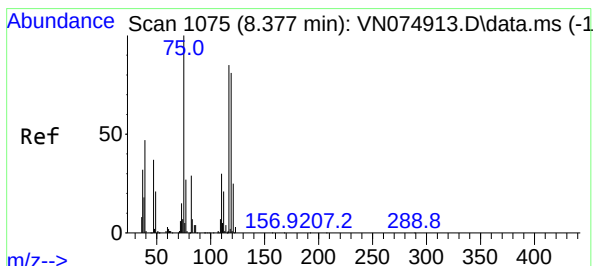
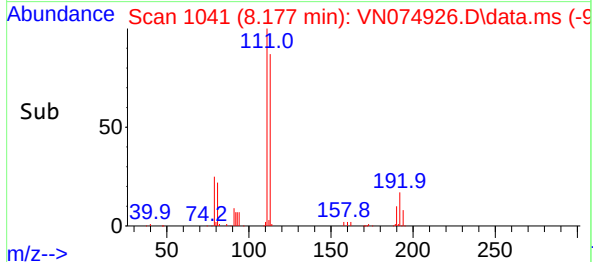
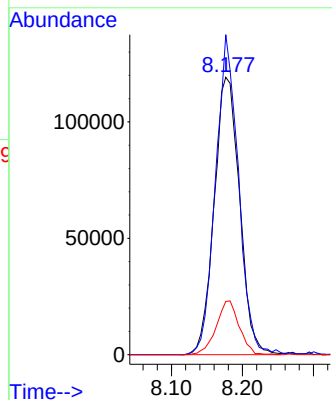
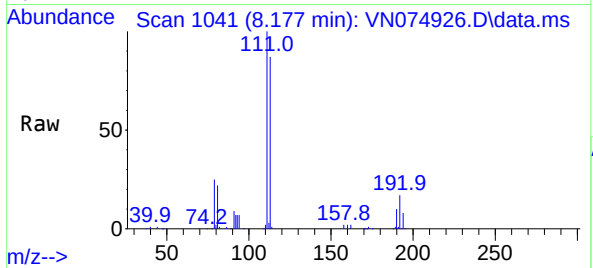




#35
Dibromofluoromethane
Concen: 49.646 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

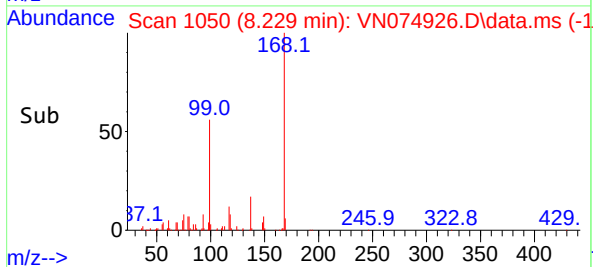
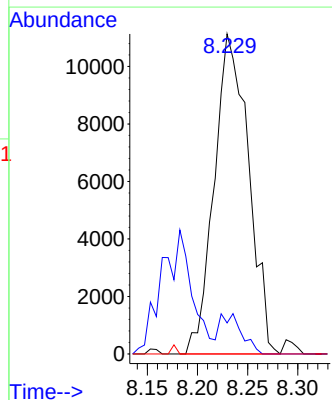
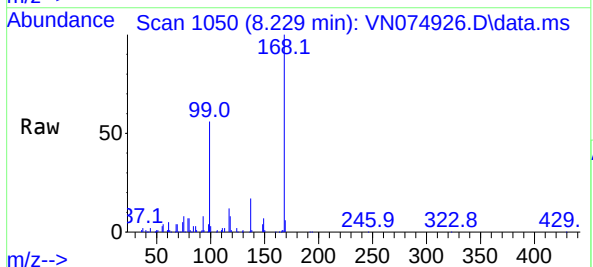
Instrument :
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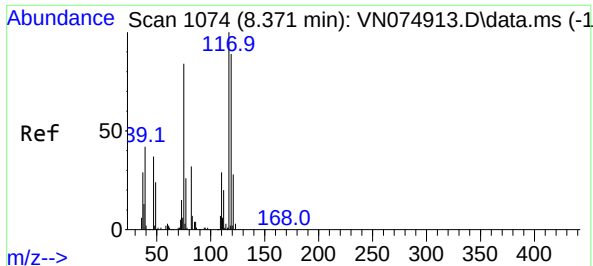
Tgt Ion:113 Resp: 296485
Ion Ratio Lower Upper
113 100
111 103.9 82.9 124.3
192 17.5 14.2 21.2



#36
1,1-Dichloropropene
Concen: 3.380 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

Tgt Ion: 75 Resp: 26504
Ion Ratio Lower Upper
75 100
110 7.9 16.1 48.3#
77 0.0 23.3 34.9#

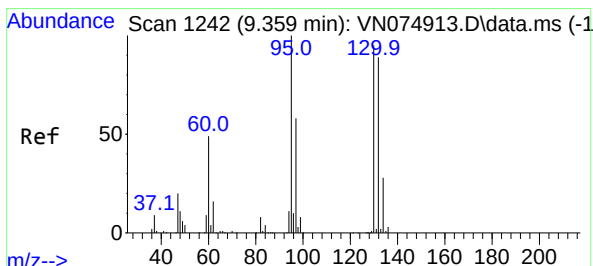
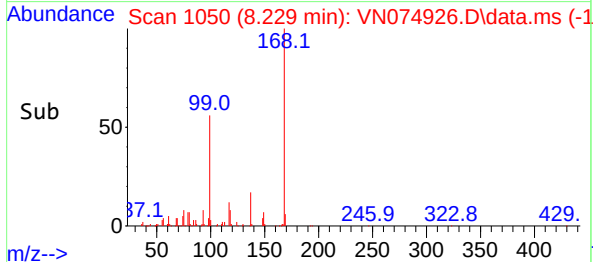
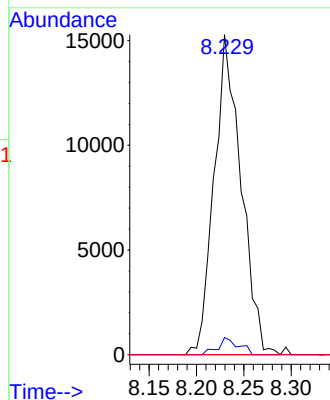
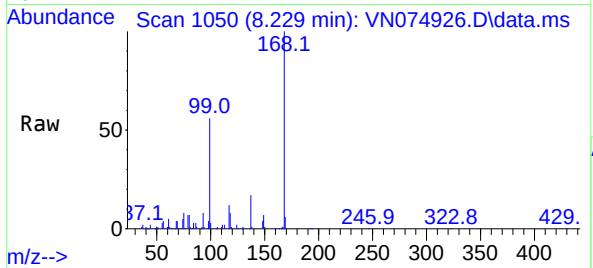




#38
Carbon Tetrachloride
Concen: 3.797 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

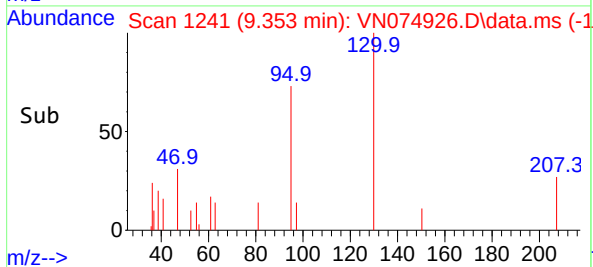
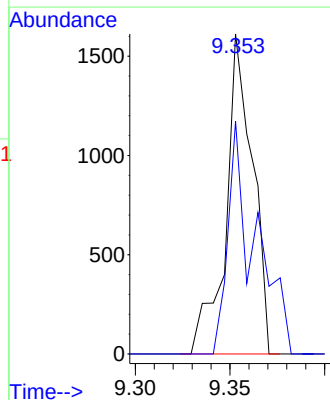
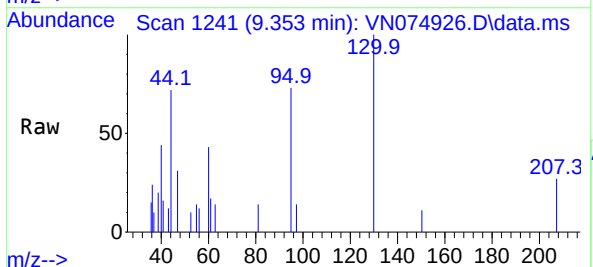
Instrument : MSVOA_N
ClientSampleId : BP-VPB-RW5-GW-918-920

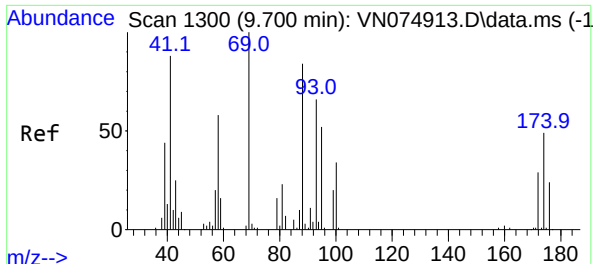
Tgt Ion:117 Resp: 30137
Ion Ratio Lower Upper
117 100
119 5.4 71.0 106.6#
121 0.0 22.2 33.4#



#44
Trichloroethene
Concen: 0.286 ug/l
RT: 9.353 min Scan# 1241
Delta R.T. -0.006 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

Tgt Ion:130 Resp: 1581
Ion Ratio Lower Upper
130 100
95 72.8 0.0 210.4

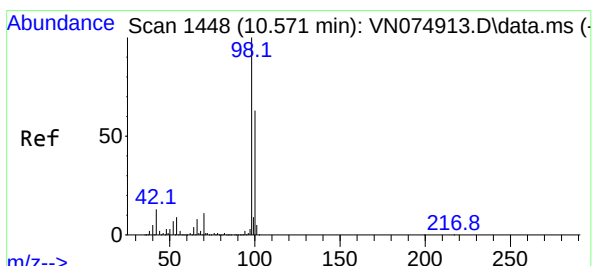
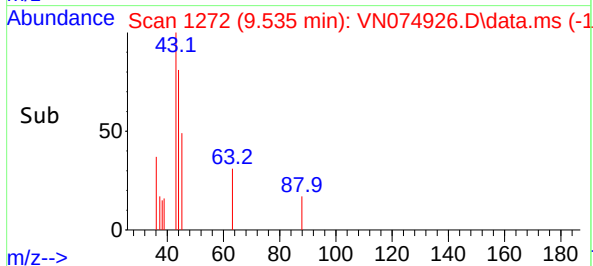
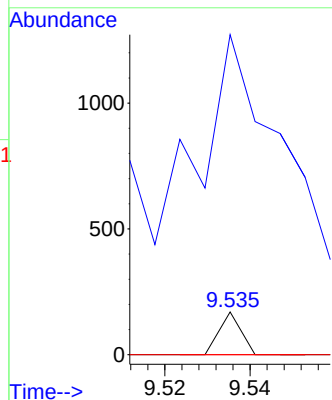
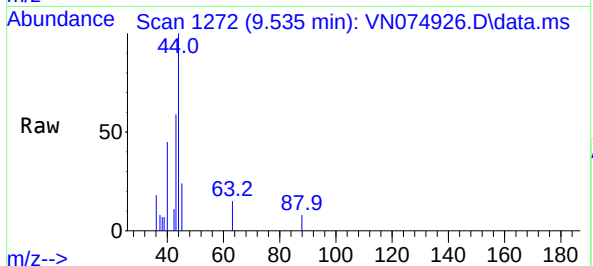




#49
1,4-Dioxane
Concen: 0.370 ug/l
RT: 9.535 min Scan# 11
Delta R.T. -0.165 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

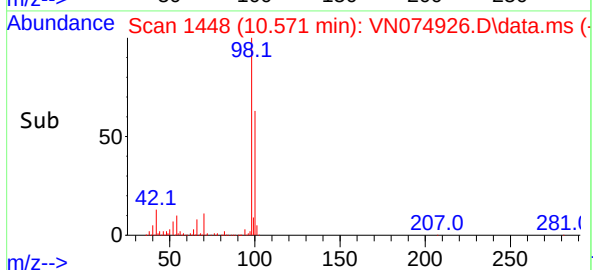
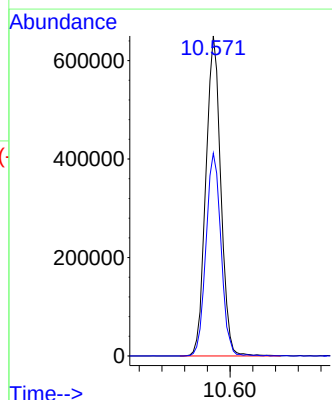
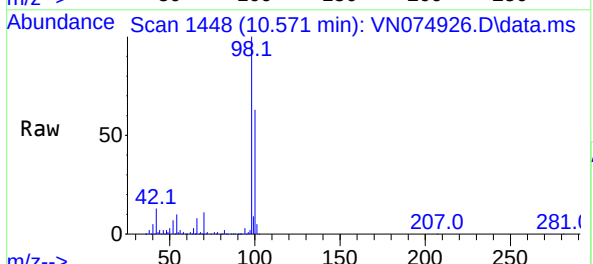
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-918-920

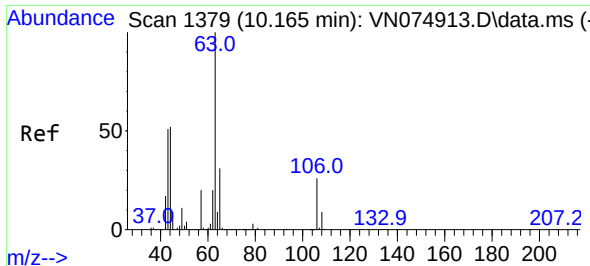
Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 4565.0 19.4 29.2#
58 0.0 56.9 85.3#



#50
Toluene-d8
Concen: 47.847 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

Tgt Ion: 98 Resp: 1184903
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1

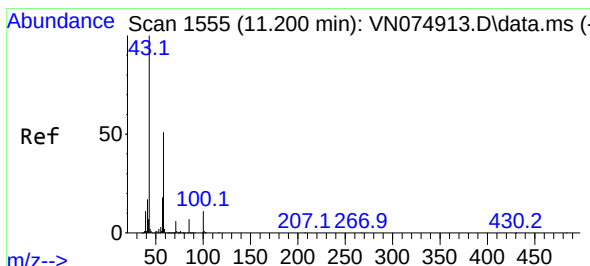
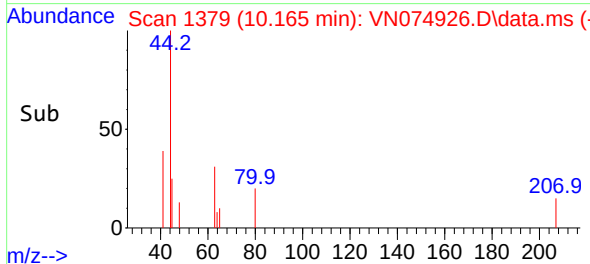
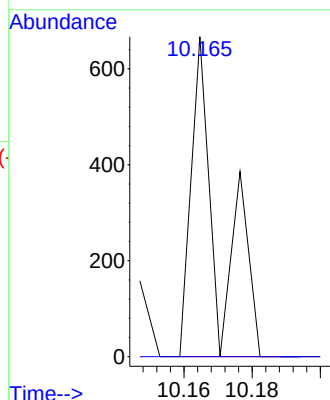
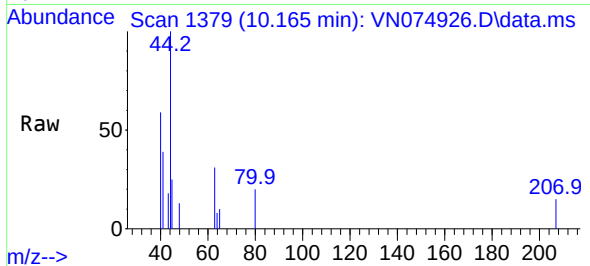




#58
2-Chloroethyl Vinyl ether
Concen: 9.432 ug/l
RT: 10.165 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

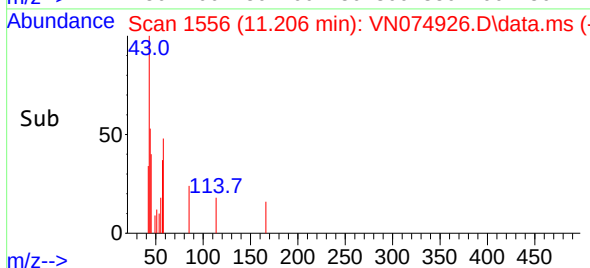
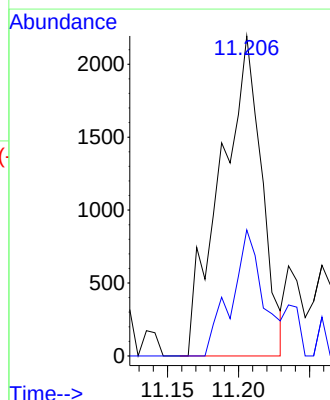
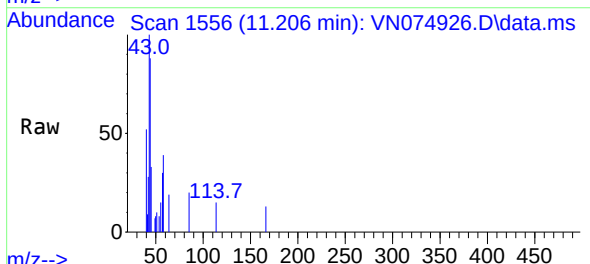
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-918-920

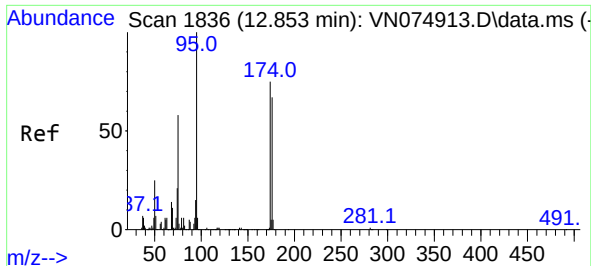
Tgt Ion: 63 Resp: 372
Ion Ratio Lower Upper
63 100
106 0.0 20.8 31.2#



#59
2-Hexanone
Concen: 0.483 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

Tgt Ion: 43 Resp: 4394
Ion Ratio Lower Upper
43 100
58 36.3 26.3 78.9

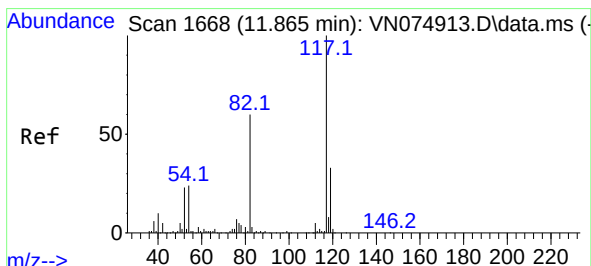
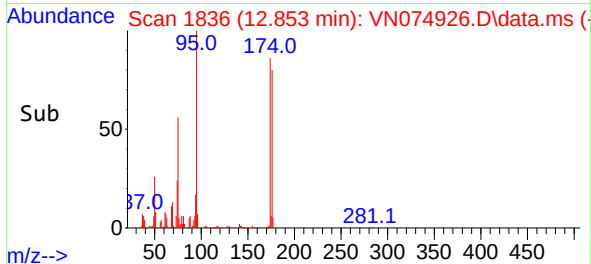
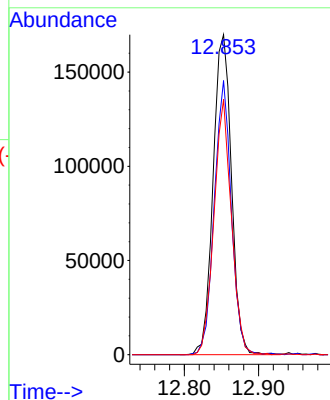
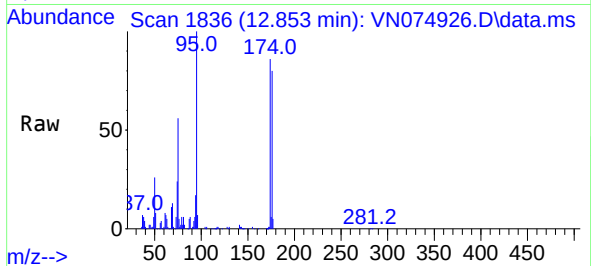




#62
4-Bromofluorobenzene
Concen: 40.506 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

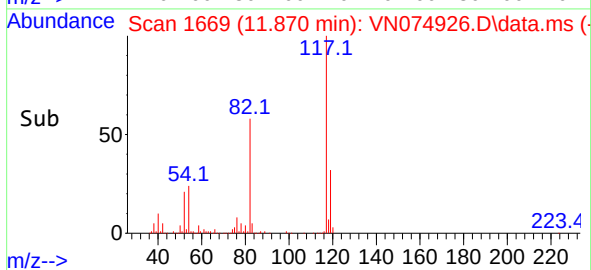
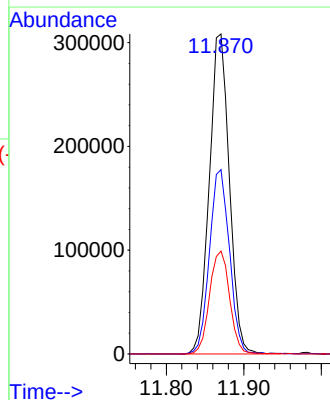
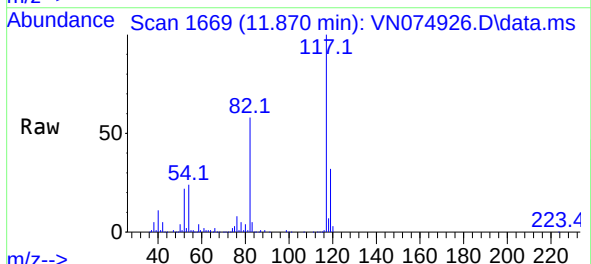
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-918-920

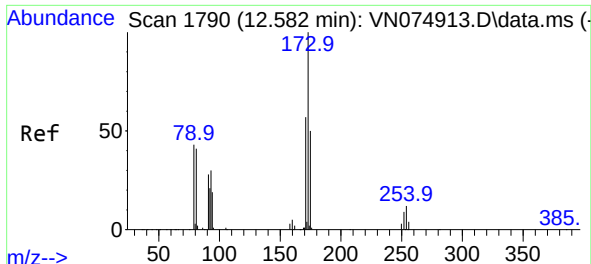
Tgt Ion: 95 Resp: 291430
Ion Ratio Lower Upper
95 100
174 79.9 0.0 157.8
176 76.0 0.0 148.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

Tgt Ion: 117 Resp: 554090
Ion Ratio Lower Upper
117 100
82 57.6 48.0 72.0
119 32.2 26.1 39.1

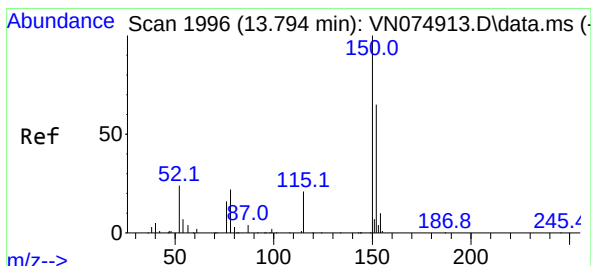
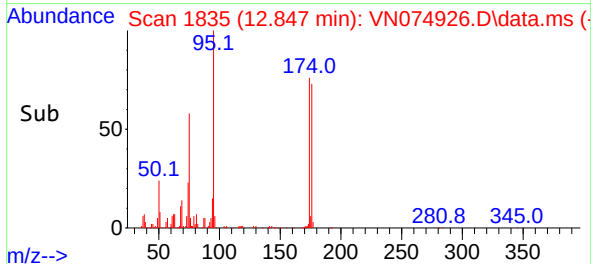
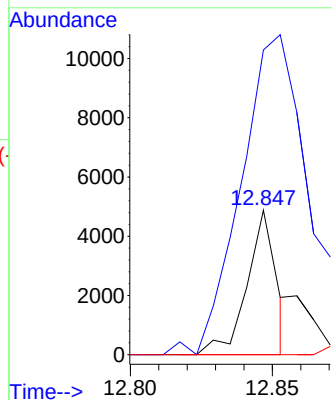
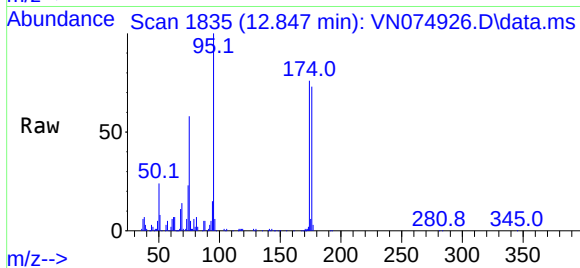




#71
Bromoform
Concen: 0.845 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

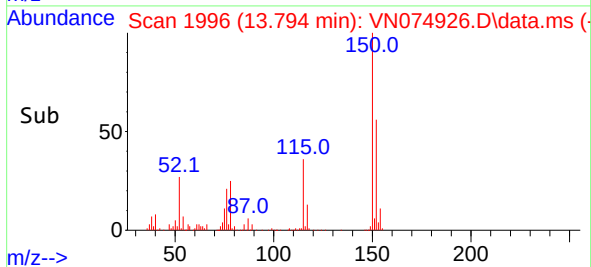
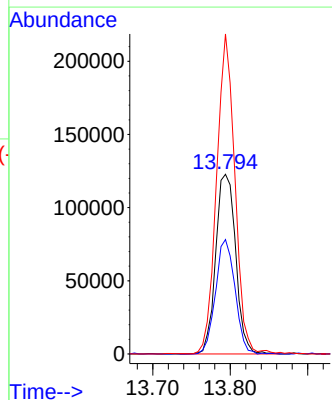
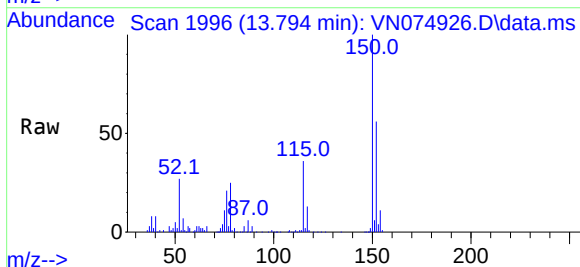
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-918-920

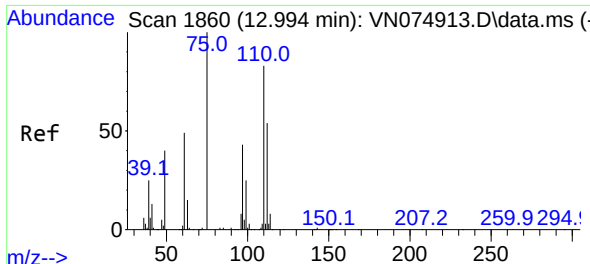
Tgt Ion:173 Resp: 3511
Ion Ratio Lower Upper
173 100
175 422.4 24.5 73.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

Tgt Ion:152 Resp: 220690
Ion Ratio Lower Upper
152 100
115 62.0 29.7 89.1
150 164.0 0.0 341.6

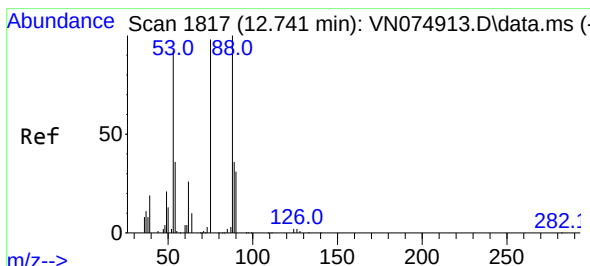
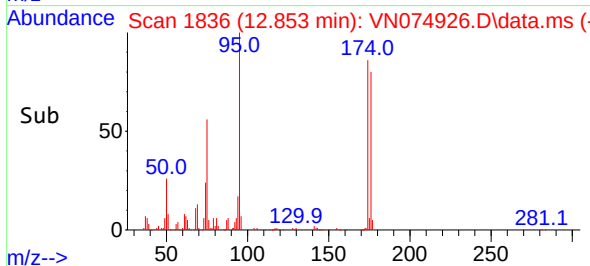
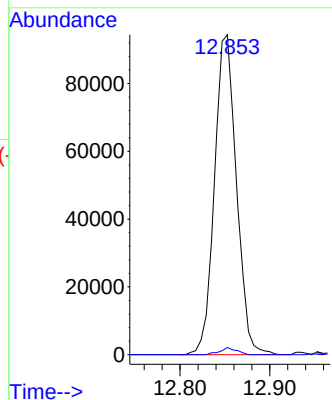
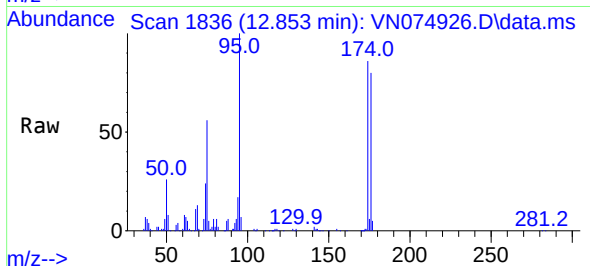




#76
1,2,3-Trichloropropane
Concen: 25.727 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

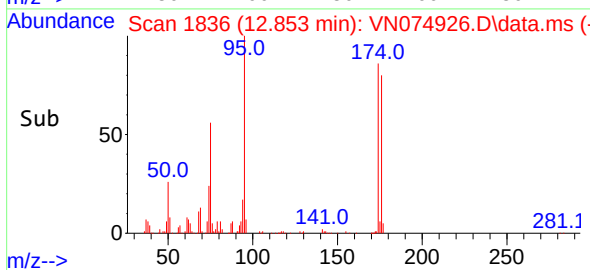
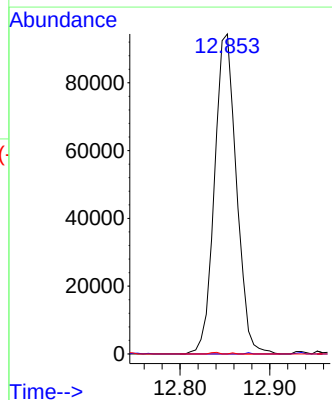
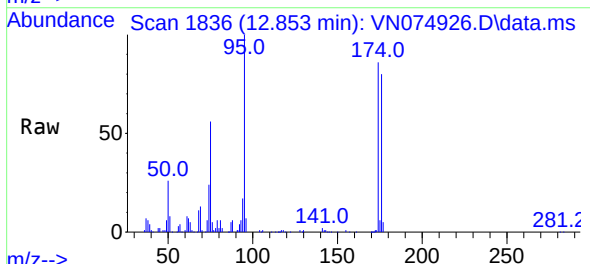
Instrument : MSVOA_N
ClientSampleId : BP-VPB-RW5-GW-918-920

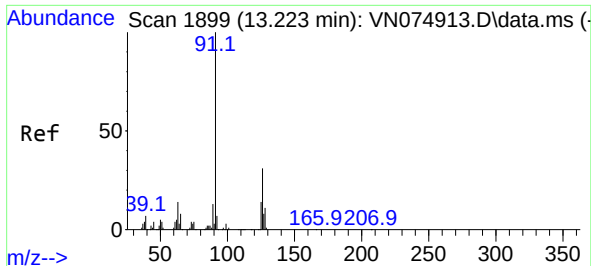
Tgt Ion: 75 Resp: 160474
Ion Ratio Lower Upper
75 100
77 1.7 77.8 233.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.840 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

Tgt Ion: 75 Resp: 160474
Ion Ratio Lower Upper
75 100
53 0.0 82.4 123.6#
89 0.1 34.7 52.1#

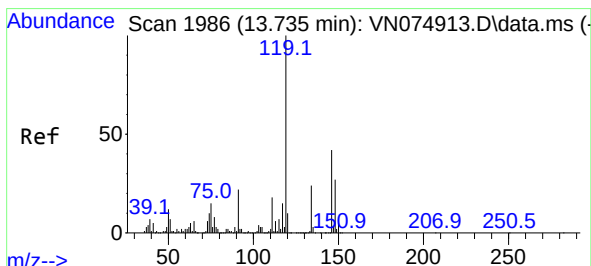
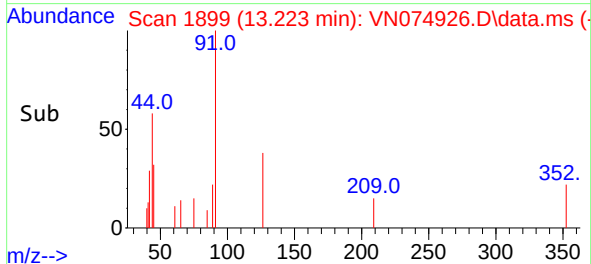
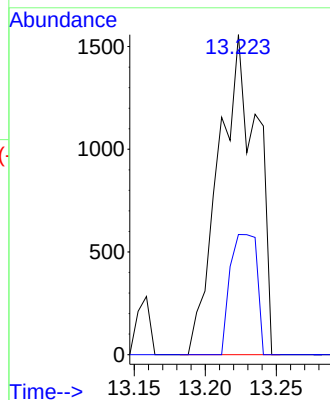
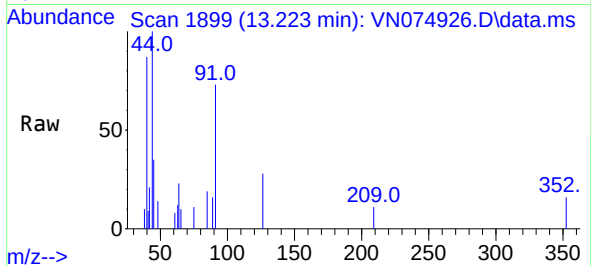




#82
4-Chlorotoluene
Concen: 0.221 ug/l
RT: 13.223 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

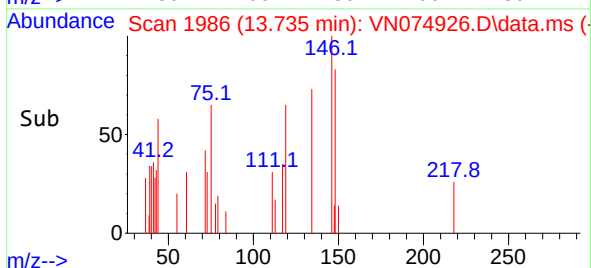
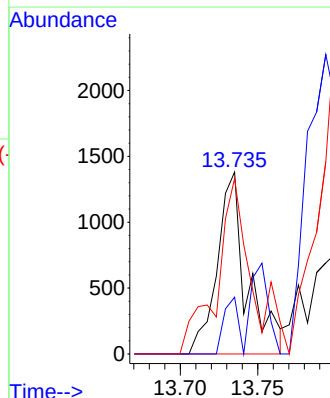
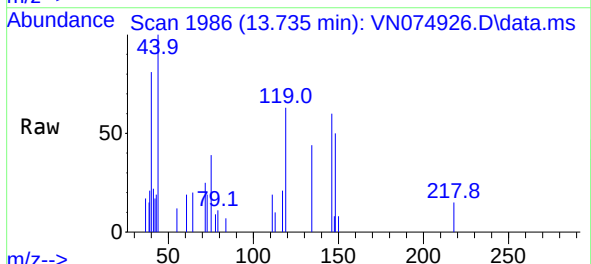
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-918-920

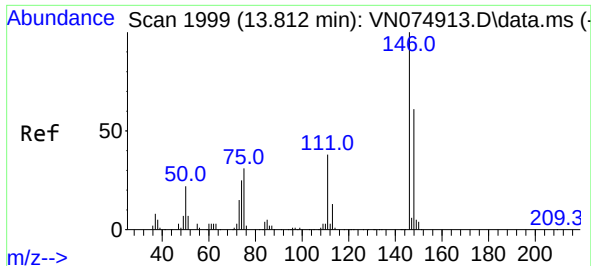
Tgt Ion: 91 Resp: 2935
Ion Ratio Lower Upper
91 100
126 26.1 16.0 47.9



#87
1,3-Dichlorobenzene
Concen: 0.242 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

Tgt Ion: 146 Resp: 1839
Ion Ratio Lower Upper
146 100
111 14.8 20.3 60.9#
148 97.7 31.4 94.0#

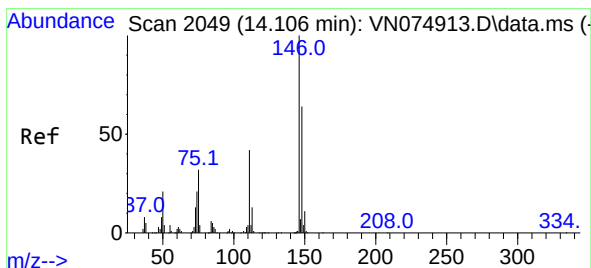
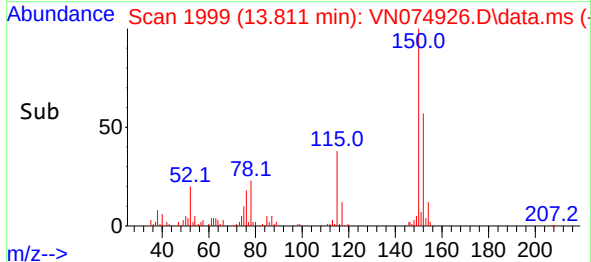
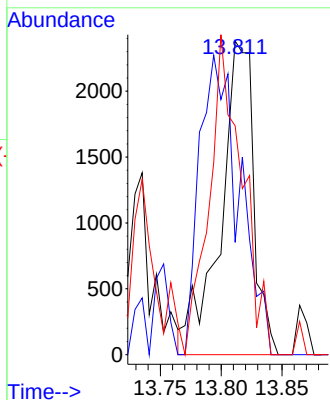
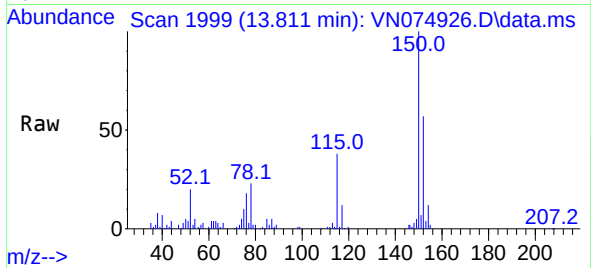




#88
1,4-Dichlorobenzene
Concen: 0.562 ug/l
RT: 13.811 min Scan# 1999
Delta R.T. -0.000 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

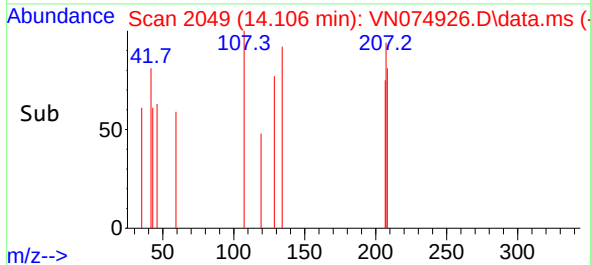
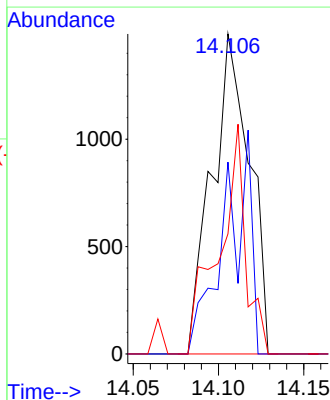
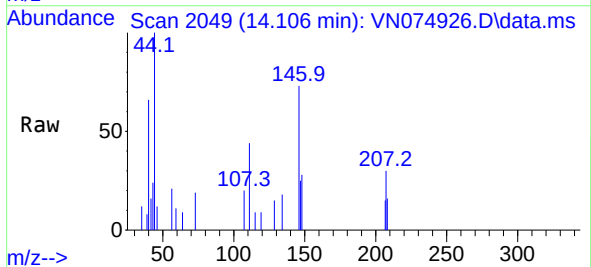
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-918-920

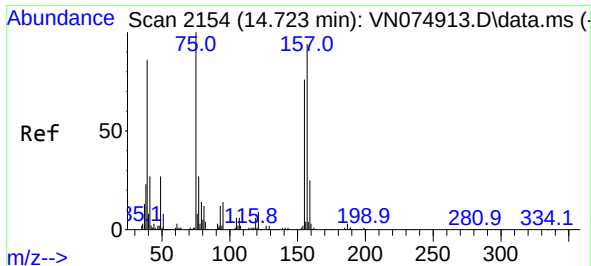
Tgt Ion:146 Resp: 4508
Ion Ratio Lower Upper
146 100
111 115.1 19.4 58.1#
148 101.1 31.8 95.3#



#91
1,2-Dichlorobenzene
Concen: 0.302 ug/l
RT: 14.106 min Scan# 2049
Delta R.T. -0.000 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

Tgt Ion:146 Resp: 2291
Ion Ratio Lower Upper
146 100
111 47.8 20.4 61.3
148 51.2 32.1 96.3

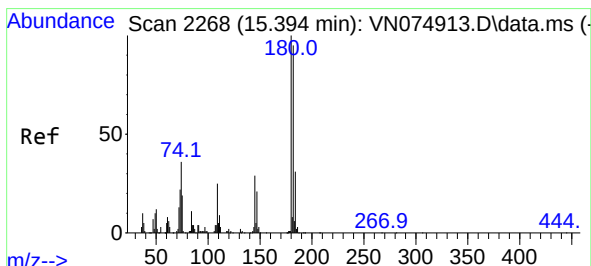
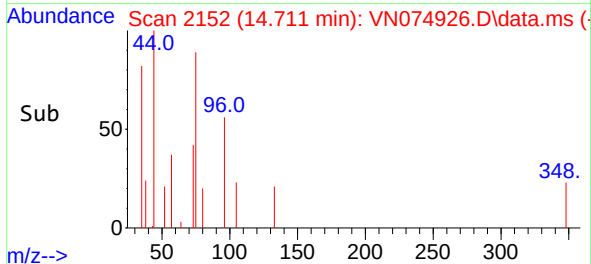
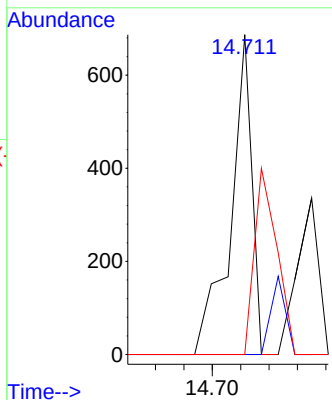
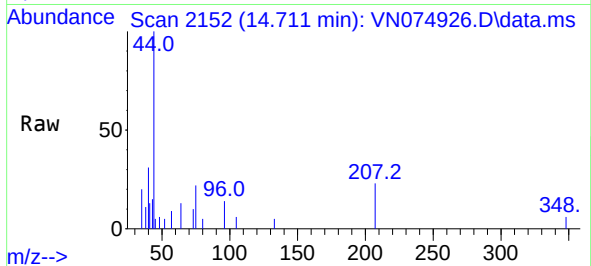




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.272 ug/l
RT: 14.711 min Scan# 2152
Delta R.T. -0.012 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

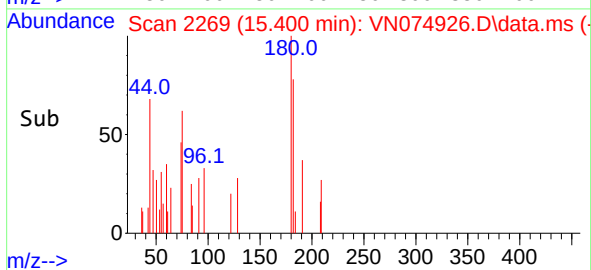
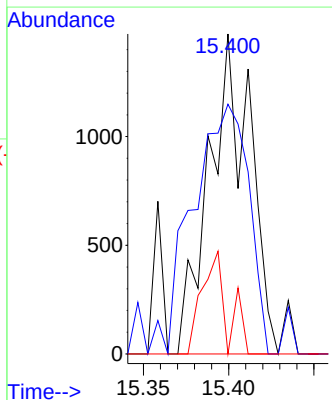
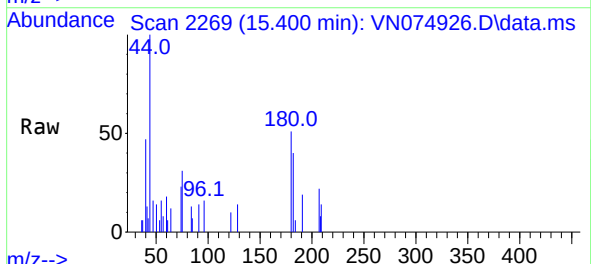
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-918-920

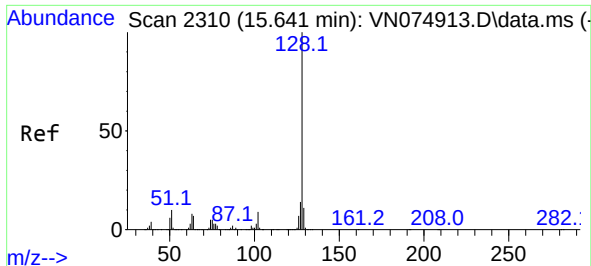
Tgt Ion: 75 Resp: 355
Ion Ratio Lower Upper
75 100
155 16.6 39.9 119.6#
157 61.7 50.6 151.8



#93
1,2,4-Trichlorobenzene
Concen: 0.695 ug/l
RT: 15.400 min Scan# 2269
Delta R.T. 0.006 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

Tgt Ion:180 Resp: 2467
Ion Ratio Lower Upper
180 100
182 107.2 49.1 147.3
145 19.9 15.4 46.4

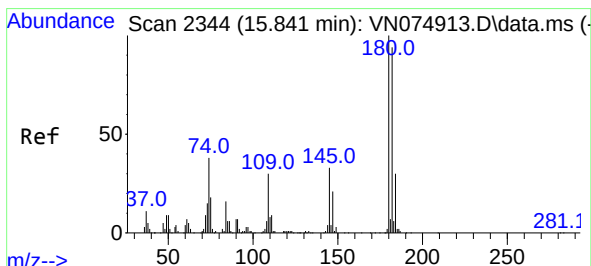
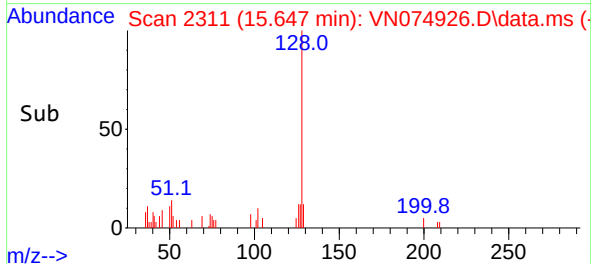
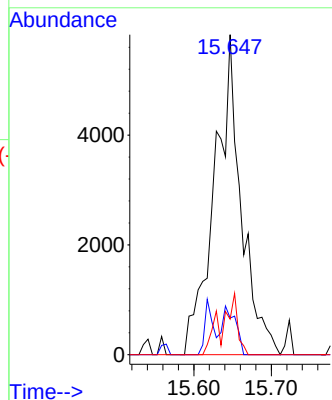
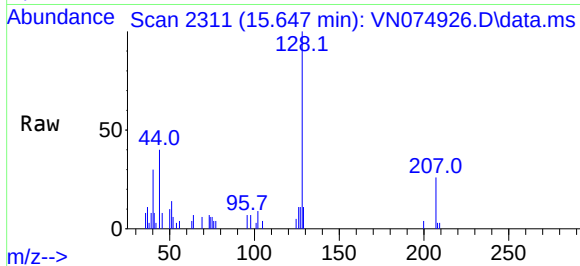




#95
Naphthalene
Concen: 0.919 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-918-920

Tgt Ion:	128	Resp:	14049
Ion	Ratio	Lower	Upper
128	100		
127	7.7	10.8	16.2#
129	7.5	8.7	13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.789 ug/l
RT: 15.847 min Scan# 2345
Delta R.T. 0.006 min
Lab File: VN074926.D
Acq: 17 Oct 2022 19:20

Tgt Ion:	180	Resp:	2922
Ion	Ratio	Lower	Upper
180	100		
182	126.3	46.9	140.6
145	5.8	15.8	47.4#

