

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091222\
 Data File : VN074420.D
 Acq On : 12 Sep 2022 20:01
 Operator : JC\MD
 Sample : N4558-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-98-100

Quant Time: Sep 13 06:28:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 06:10:29 2022
 Response via : Initial Calibration

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

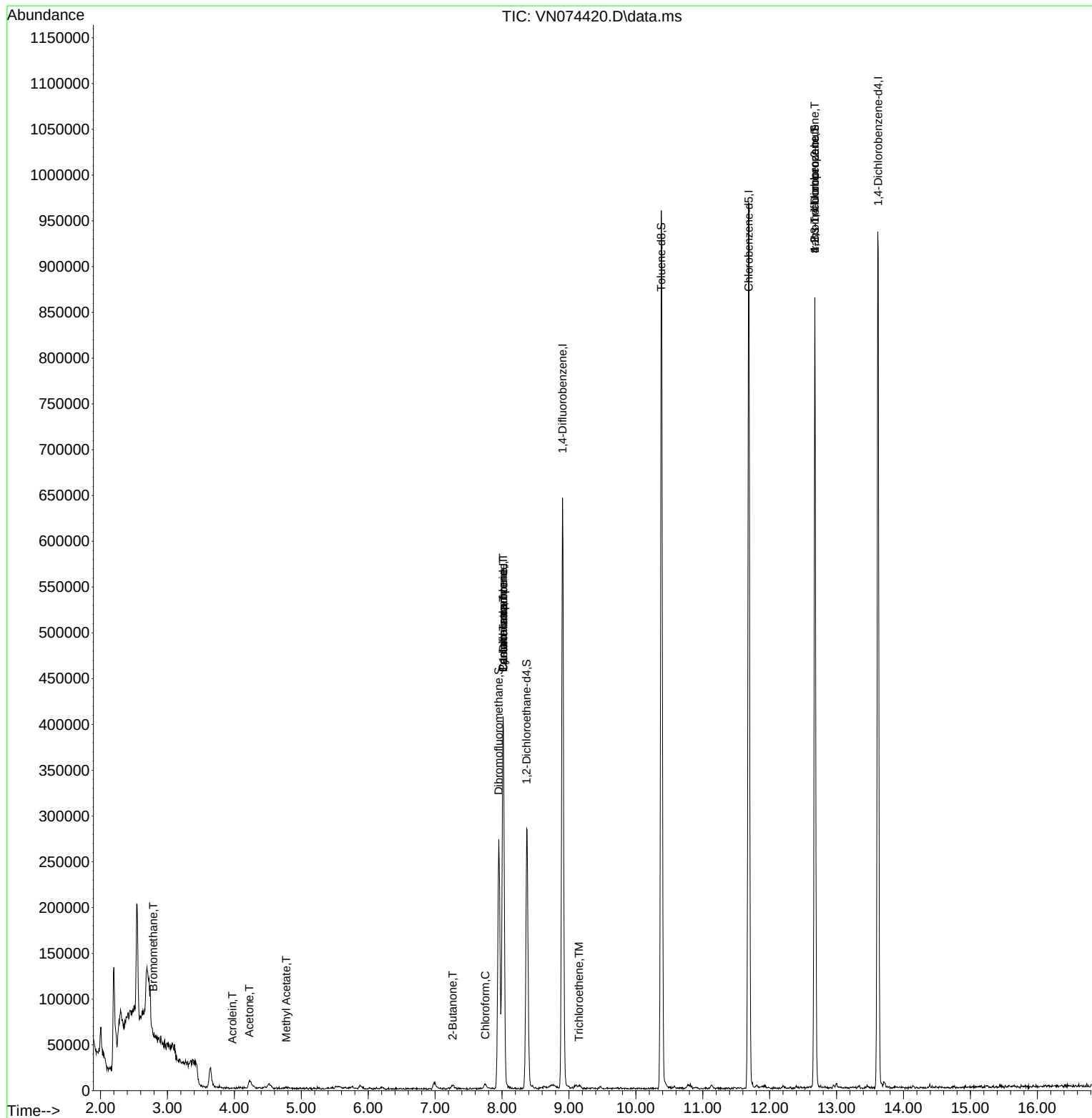
Internal Standards						
1) Pentafluorobenzene	8.016	168	291350	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	513540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	488109	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.621	152	221752	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	223574	44.353	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.700%		
35) Dibromofluoromethane	7.951	113	181427	52.331	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.660%		
50) Toluene-d8	10.381	98	613636	45.425	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.860%		
62) 4-Bromofluorobenzene	12.674	95	237216	48.367	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.740%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	2572	Below Cal	#	72
5) Bromomethane	2.787	94	1005	0.228	ug/l #	28
6) Chloroethane	3.175	64	2292	Below Cal	#	67
13) Acrolein	3.969	56	229	0.261	ug/l #	45
16) Acetone	4.222	43	15797	5.805	ug/l	96
18) Methyl Acetate	4.775	43	2520	0.314	ug/l #	84
20) Methylene Chloride	4.987	84	148	Below Cal	#	3
25) 2-Butanone	7.263	43	6425	1.406	ug/l #	88
28) Bromochloromethane	7.739	49	111	Below Cal	#	20
30) Chloroform	7.751	83	2589	0.315	ug/l #	65
31) Cyclohexane	8.016	56	10580	1.320	ug/l #	57
36) 1,1-Dichloropropene	8.016	75	27942	4.892	ug/l #	51
38) Carbon Tetrachloride	8.016	117	32213	5.463	ug/l #	15
44) Trichloroethene	9.151	130	1363	0.348	ug/l	49
74) N-amyl acetate	12.304	43	1329	Below Cal	#	56
76) 1,2,3-Trichloropropane	12.674	75	147035	25.364	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	147035	56.536	ug/l #	9

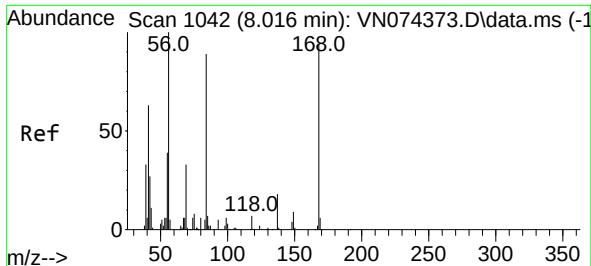
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 13 06:28:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 10 06:10:29 2022
Response via : Initial Calibration

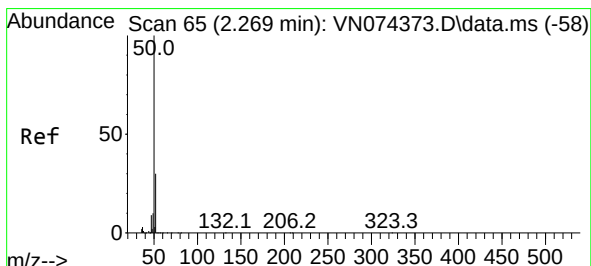
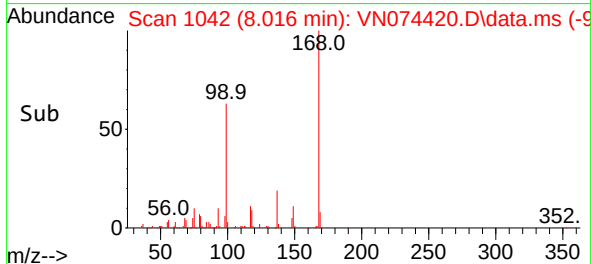
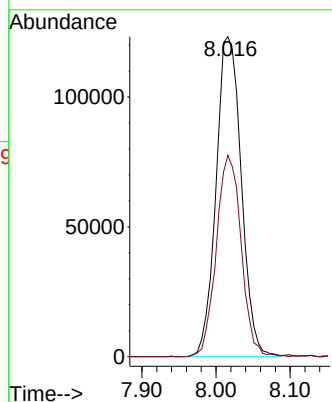
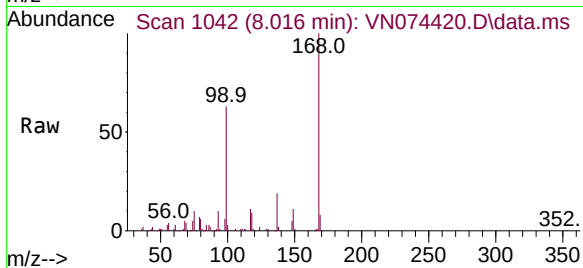




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074420.D
Acq: 12 Sep 2022 20:01

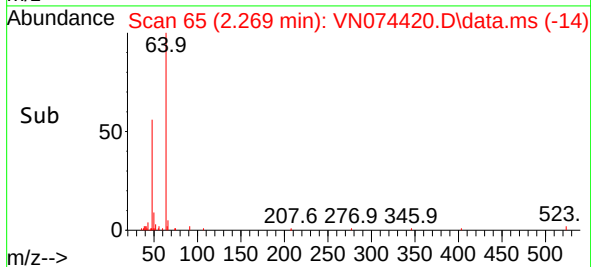
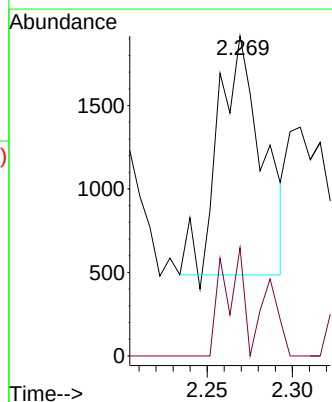
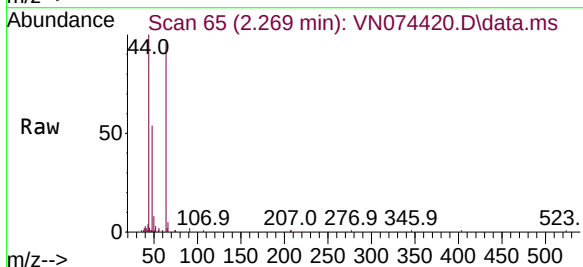
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-98-100

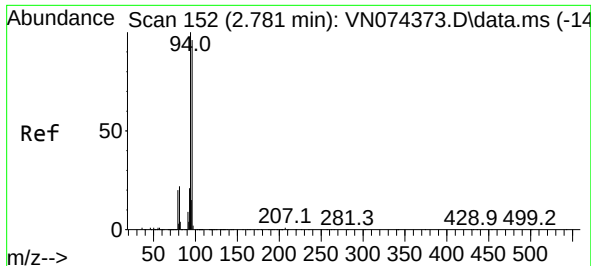
Tgt Ion:168 Resp: 291350
Ion Ratio Lower Upper
168 100
99 62.9 52.8 79.2



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074420.D
Acq: 12 Sep 2022 20:01

Tgt Ion: 50 Resp: 2572
Ion Ratio Lower Upper
50 100
52 45.4 24.1 36.1#

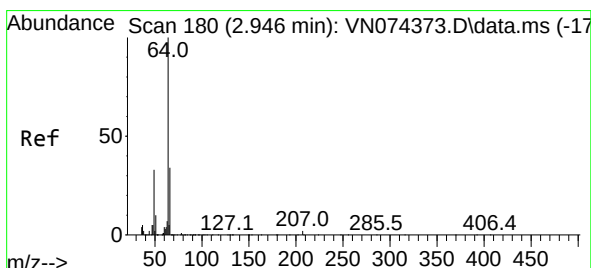
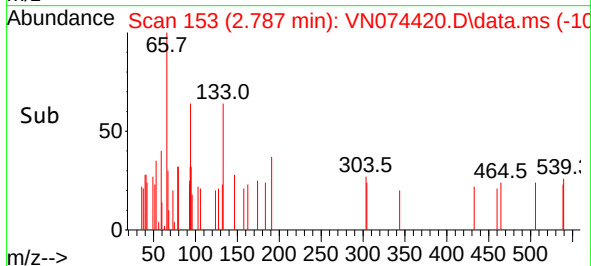
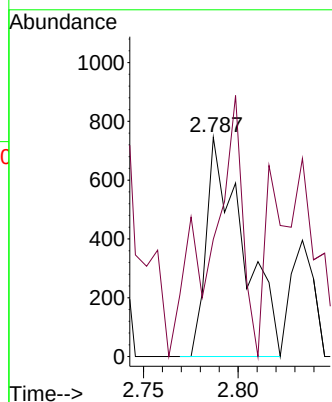
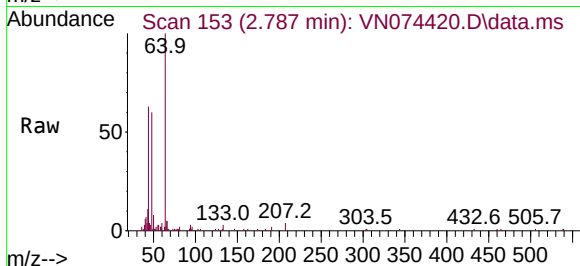




#5
Bromomethane
Concen: 0.228 ug/l
RT: 2.787 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074420.D
Acq: 12 Sep 2022 20:01

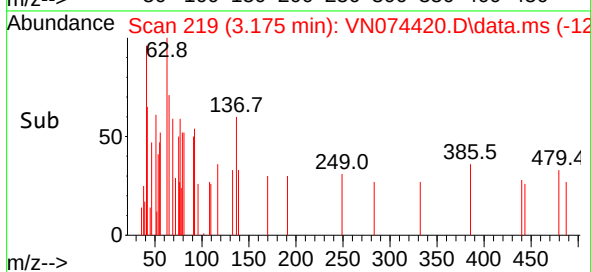
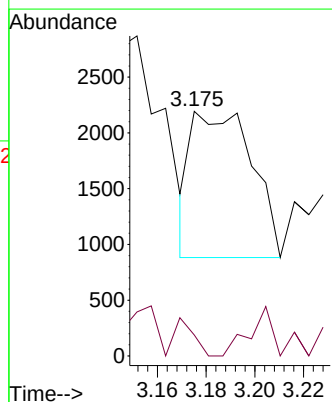
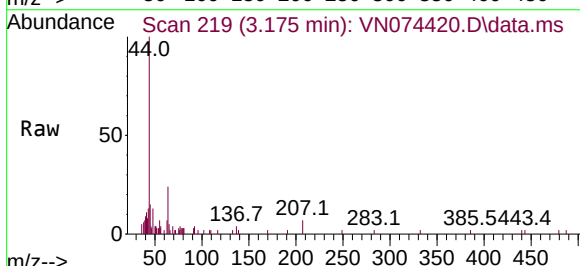
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-98-100

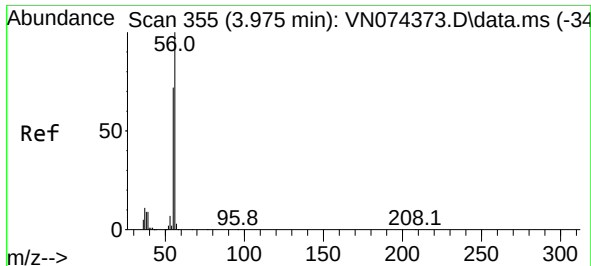
Tgt Ion: 94 Resp: 1005
Ion Ratio Lower Upper
94 100
96 25.3 76.7 115.1#



#6
Chloroethane
Concen: Below Cal
RT: 3.175 min Scan# 219
Delta R.T. 0.229 min
Lab File: VN074420.D
Acq: 12 Sep 2022 20:01

Tgt Ion: 64 Resp: 2292
Ion Ratio Lower Upper
64 100
66 14.3 26.5 39.7#

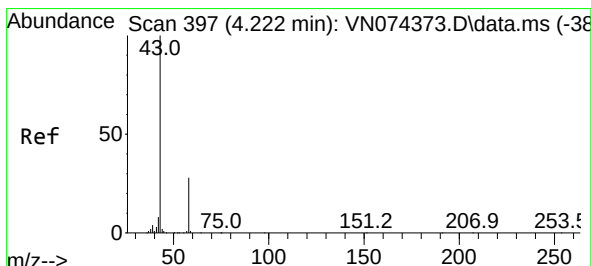
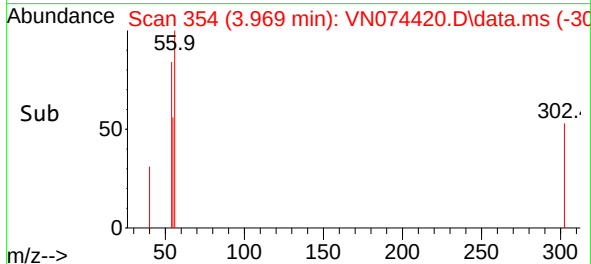
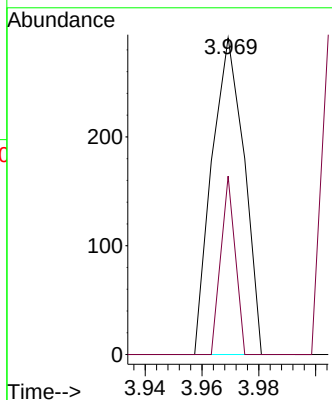
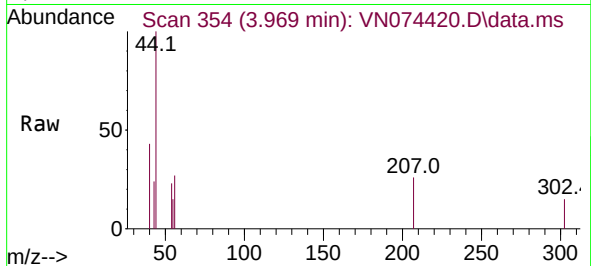




#13
Acrolein
Concen: 0.261 ug/l
RT: 3.969 min Scan# 355
Delta R.T. -0.006 min
Lab File: VN074420.D
Acq: 12 Sep 2022 20:01

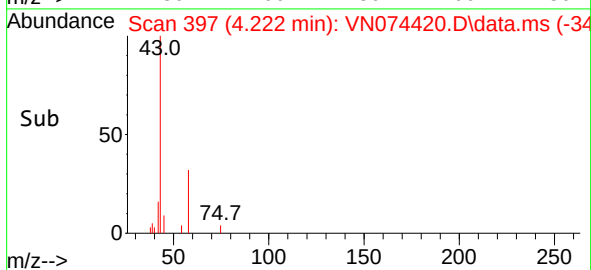
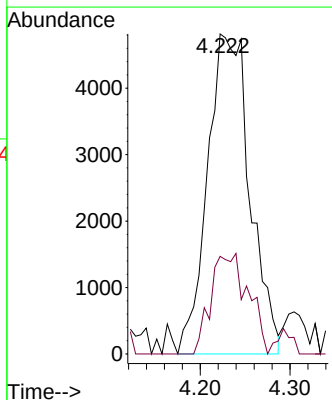
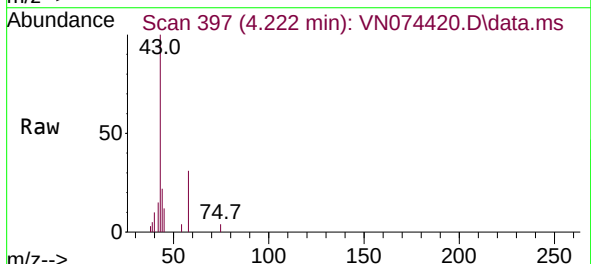
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-98-100

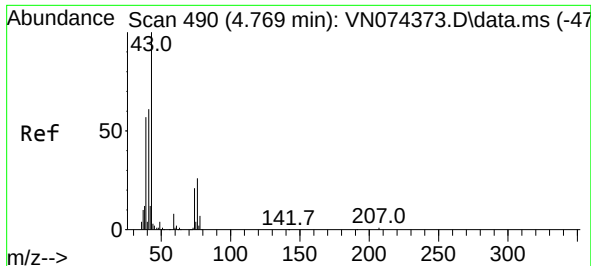
Tgt Ion: 56 Resp: 229
Ion Ratio Lower Upper
56 100
55 25.3 56.2 84.4#



#16
Acetone
Concen: 5.805 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.000 min
Lab File: VN074420.D
Acq: 12 Sep 2022 20:01

Tgt Ion: 43 Resp: 15797
Ion Ratio Lower Upper
43 100
58 30.5 22.7 34.1

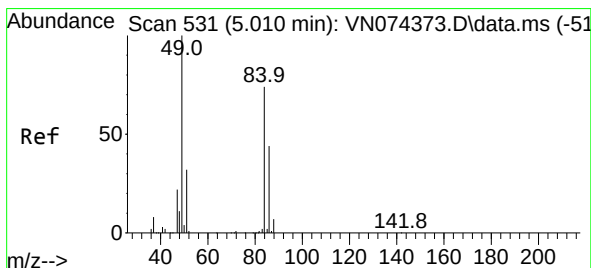
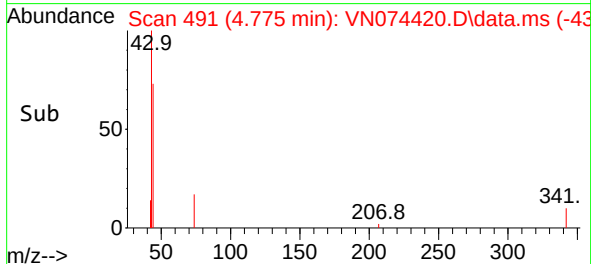
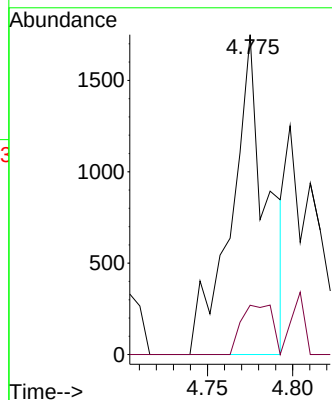
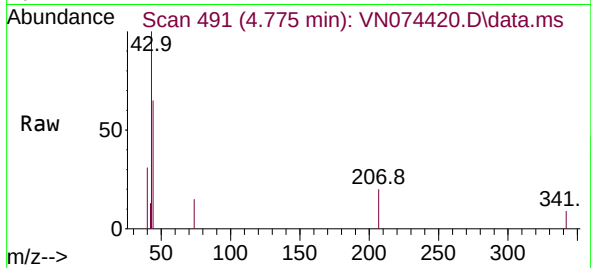




#18
Methyl Acetate
Concen: 0.314 ug/l
RT: 4.775 min Scan# 491
Delta R.T. 0.006 min
Lab File: VN074420.D
Acq: 12 Sep 2022 20:01

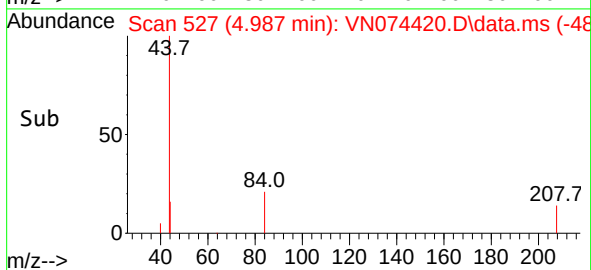
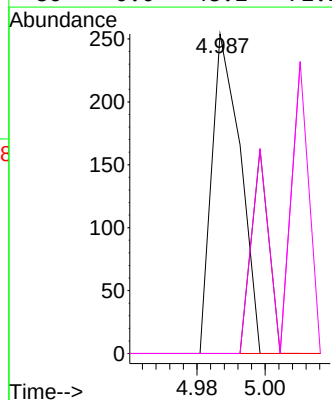
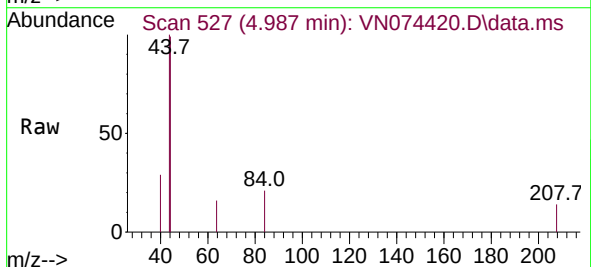
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-98-100

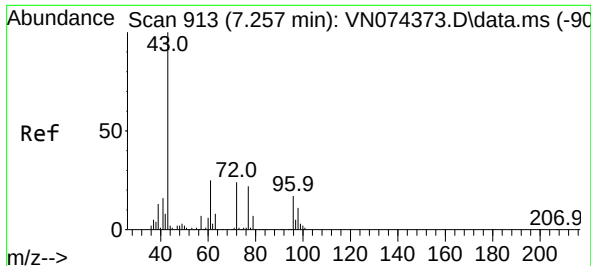
Tgt Ion: 43 Resp: 2520
Ion Ratio Lower Upper
43 100
74 13.7 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.987 min Scan# 527
Delta R.T. -0.023 min
Lab File: VN074420.D
Acq: 12 Sep 2022 20:01

Tgt Ion: 84 Resp: 148
Ion Ratio Lower Upper
84 100
49 0.0 108.2 162.4#
51 0.0 34.3 51.5#
86 0.0 48.2 72.2#

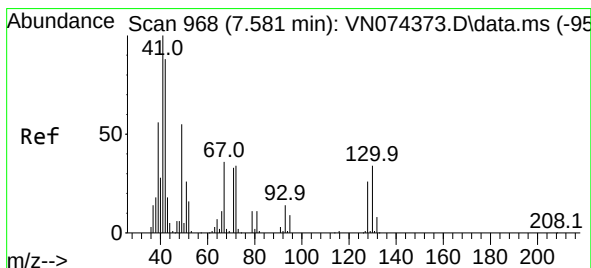
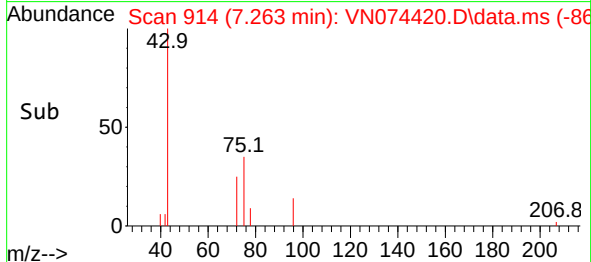
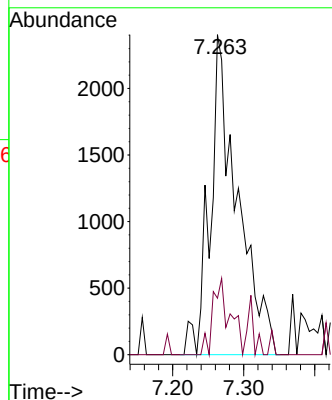
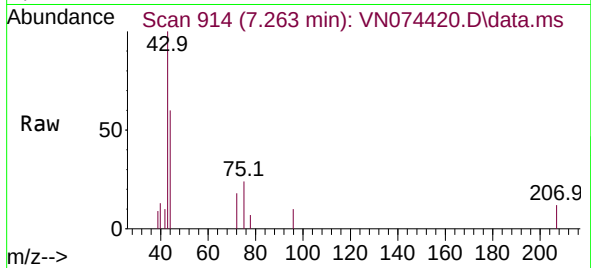




#25
2-Butanone
Concen: 1.406 ug/l
RT: 7.263 min Scan# 913
Delta R.T. 0.006 min
Lab File: VN074420.D
Acq: 12 Sep 2022 20:01

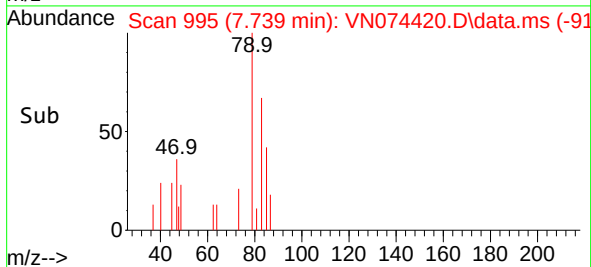
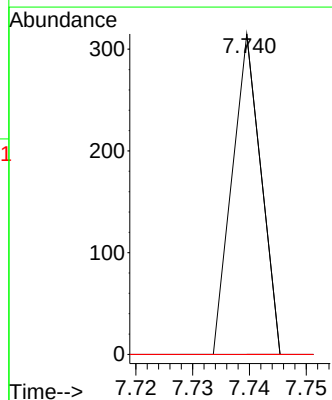
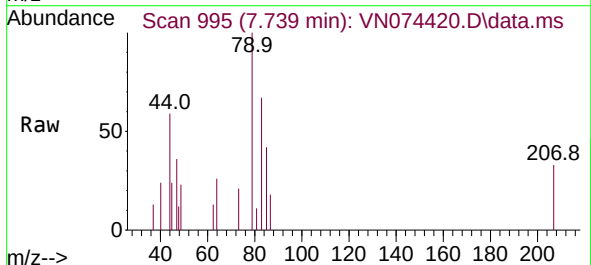
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-98-100

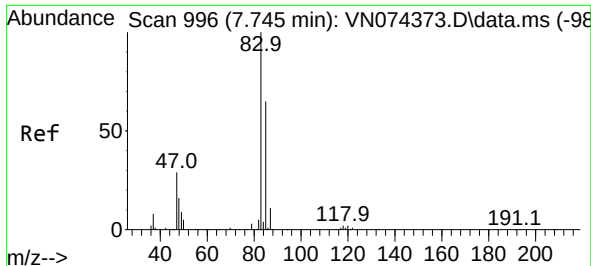
Tgt Ion: 43 Resp: 6425
Ion Ratio Lower Upper
43 100
72 17.7 18.9 28.3#



#28
Bromochloromethane
Concen: Below Cal
RT: 7.739 min Scan# 995
Delta R.T. 0.158 min
Lab File: VN074420.D
Acq: 12 Sep 2022 20:01

Tgt Ion: 49 Resp: 111
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 0.0 50.0 75.0#

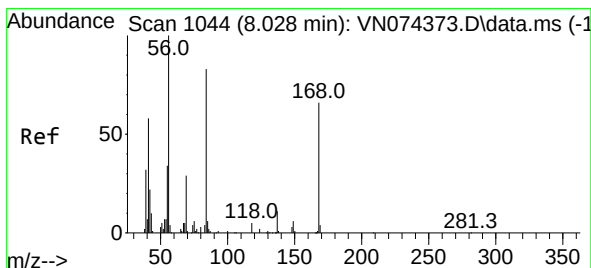
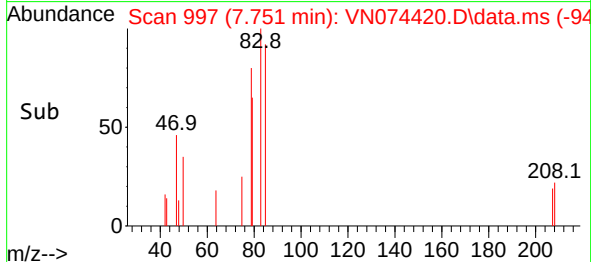
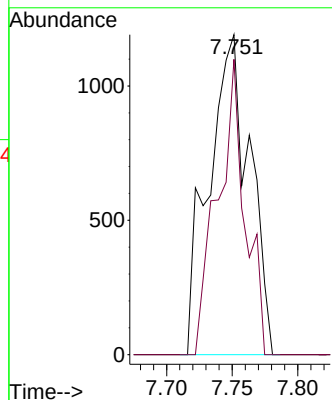
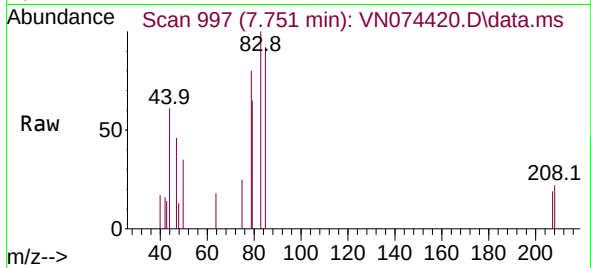




#30
Chloroform
Concen: 0.315 ug/l
RT: 7.751 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN074420.D
Acq: 12 Sep 2022 20:01

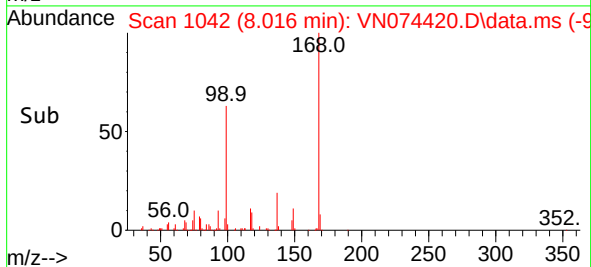
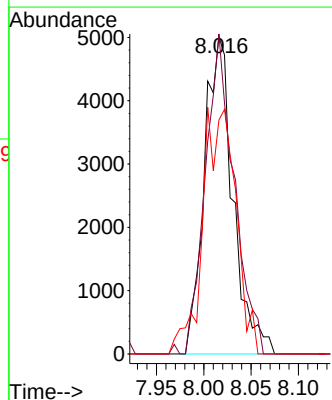
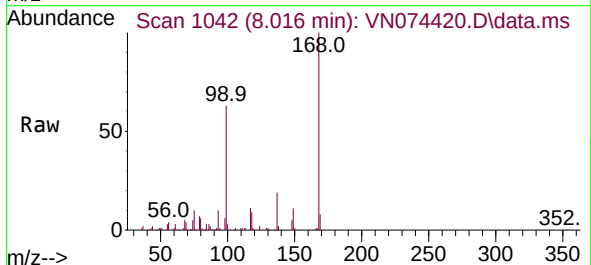
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ClientSampleId :
BP-VPB-RW5-GW-98-100

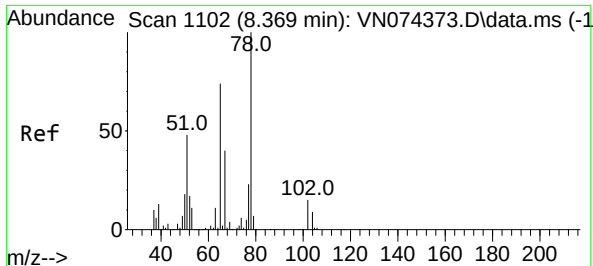
Tgt Ion: 83 Resp: 2589
Ion Ratio Lower Upper
83 100
85 92.3 51.8 77.6#



#31
Cyclohexane
Concen: 1.320 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.012 min
Lab File: VN074420.D
Acq: 12 Sep 2022 20:01

Tgt Ion: 56 Resp: 10580
Ion Ratio Lower Upper
56 100
69 100.8 23.0 34.4#
84 73.7 66.3 99.5





#33

1,2-Dichloroethane-d4

Concen: 44.353 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074420.D

Acq: 12 Sep 2022 20:01

Instrument :

MSVOA_N

ClientSampleId :

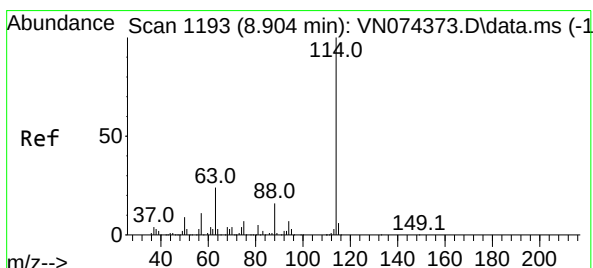
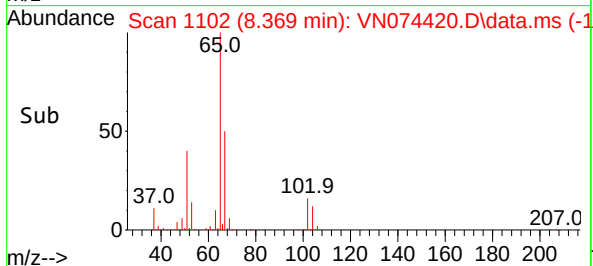
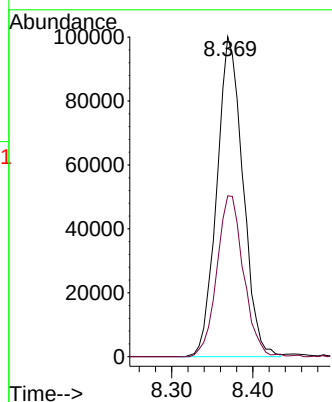
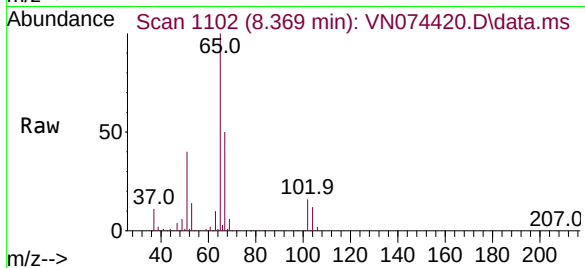
BP-VPB-RW5-GW-98-100

Tgt Ion: 65 Resp: 223574

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074420.D

Acq: 12 Sep 2022 20:01

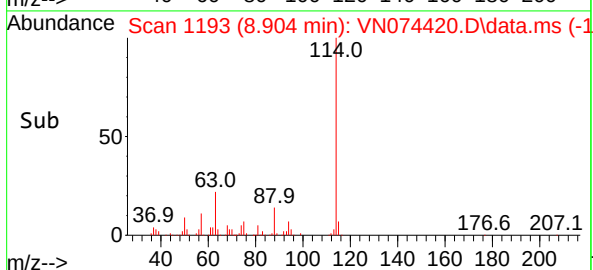
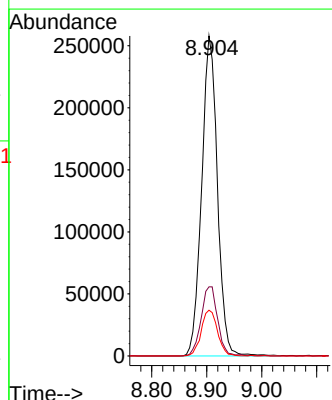
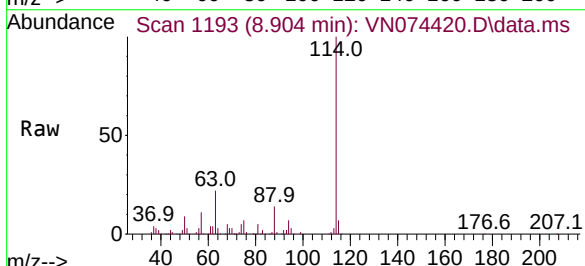
Tgt Ion: 114 Resp: 513540

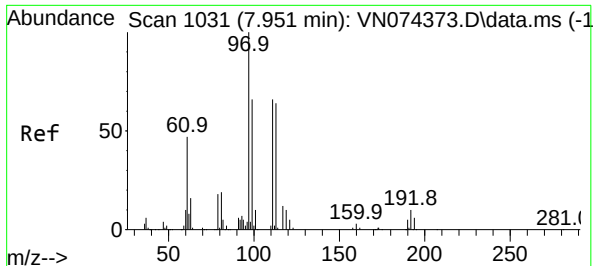
Ion Ratio Lower Upper

114 100

63 21.6 0.0 47.6

88 14.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.331 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074420.D

Acq: 12 Sep 2022 20:01

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW5-GW-98-100

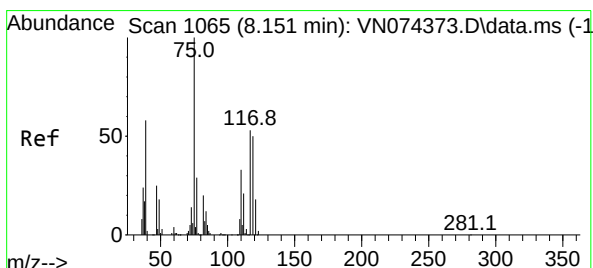
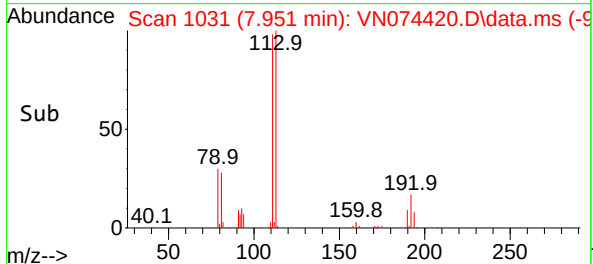
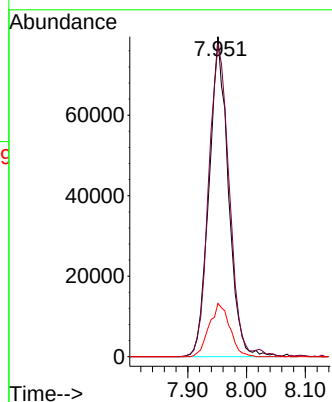
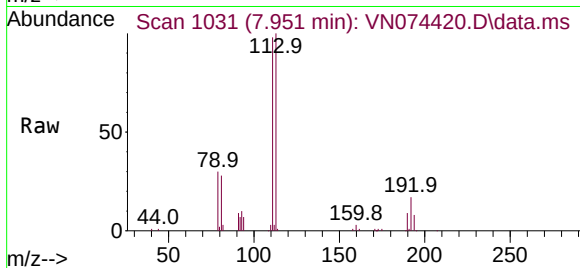
Tgt Ion:113 Resp: 181427

Ion Ratio Lower Upper

113 100

111 103.2 83.0 124.4

192 17.8 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.892 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN074420.D

Acq: 12 Sep 2022 20:01

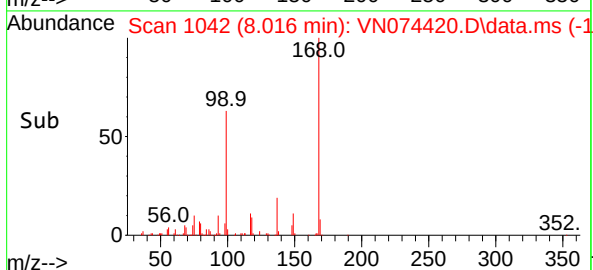
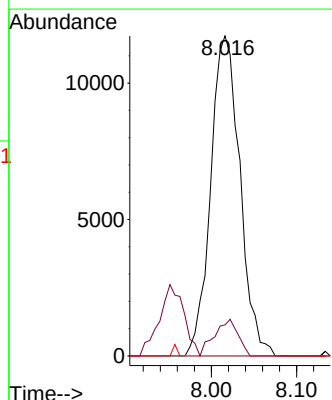
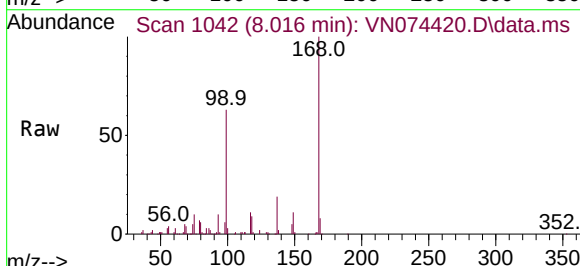
Tgt Ion: 75 Resp: 27942

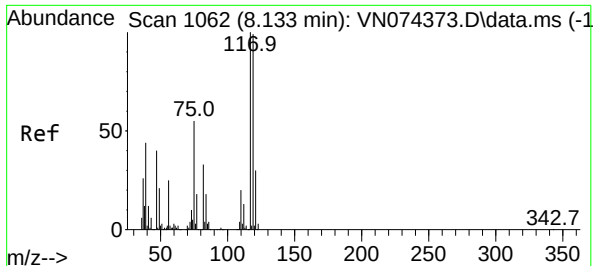
Ion Ratio Lower Upper

75 100

110 9.2 16.4 49.1#

77 0.0 25.4 38.2#

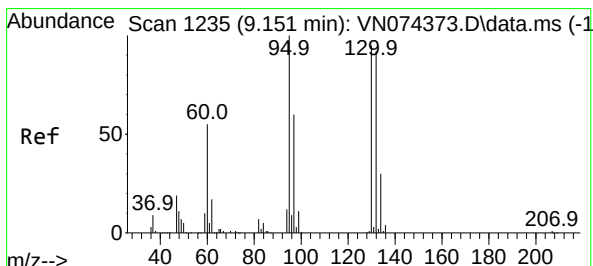
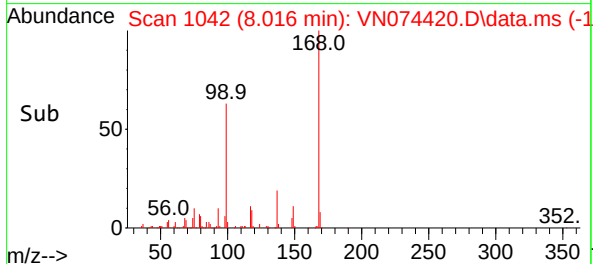
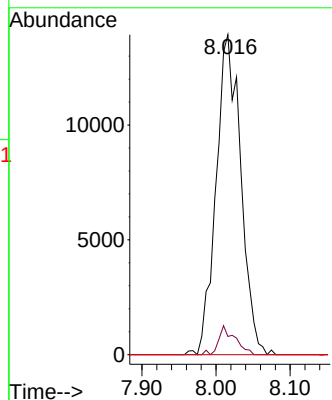
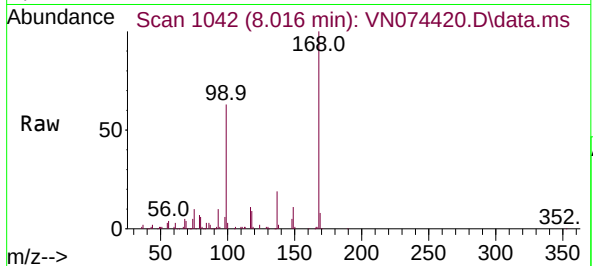




#38
Carbon Tetrachloride
Concen: 5.463 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN074420.D
Acq: 12 Sep 2022 20:01

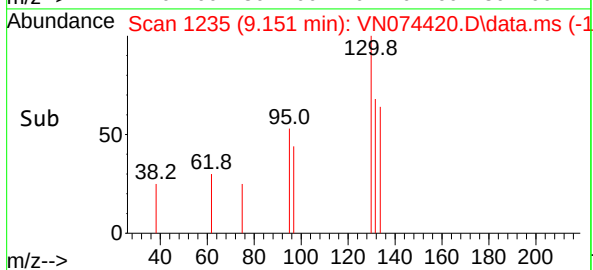
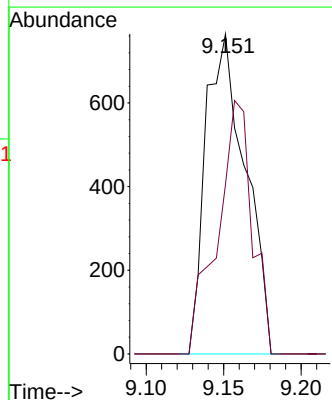
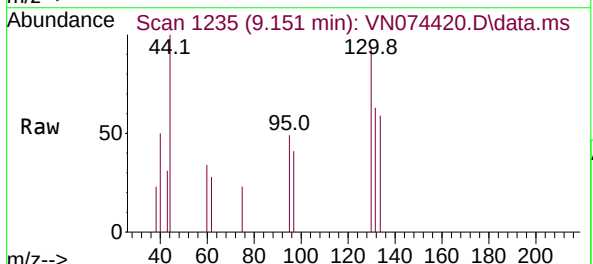
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-98-100

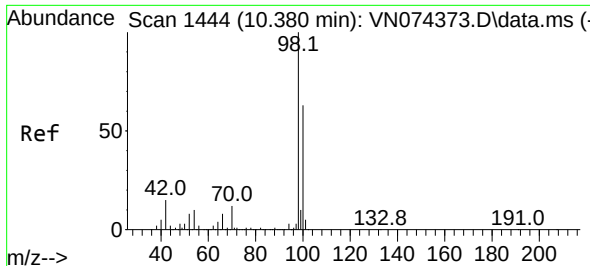
Tgt Ion:117 Resp: 32213
Ion Ratio Lower Upper
117 100
119 5.7 78.8 118.2#
121 0.0 24.1 36.1#



#44
Trichloroethene
Concen: 0.348 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VN074420.D
Acq: 12 Sep 2022 20:01

Tgt Ion:130 Resp: 1363
Ion Ratio Lower Upper
130 100
95 52.9 0.0 210.0

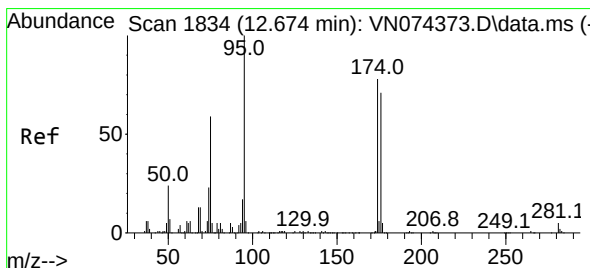
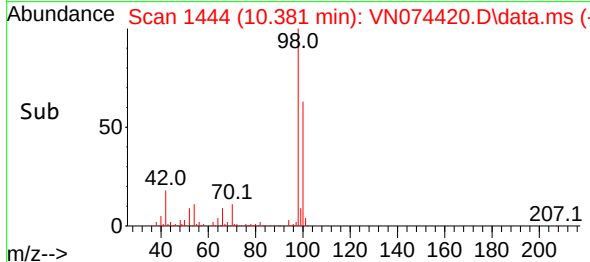
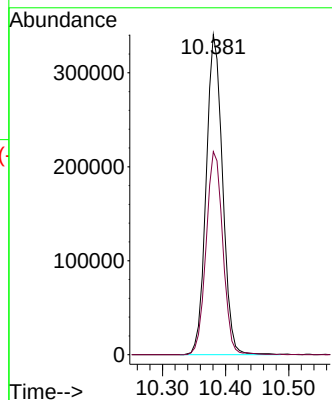
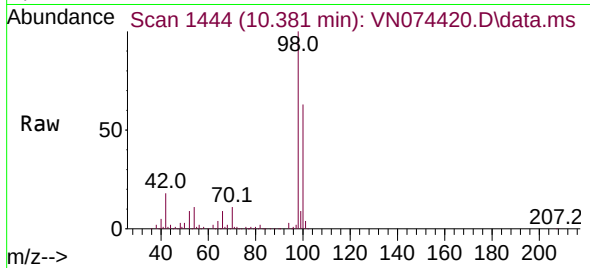




#50
Toluene-d8
Concen: 45.425 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074420.D
Acq: 12 Sep 2022 20:01

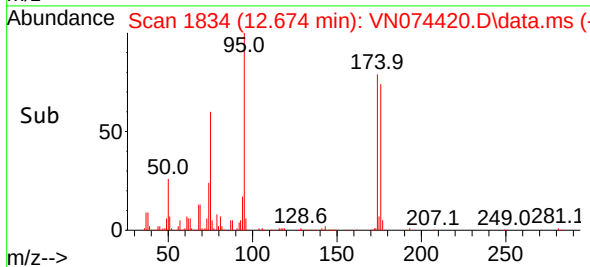
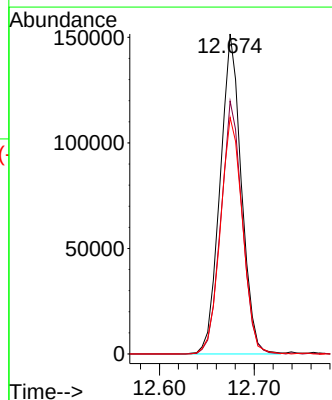
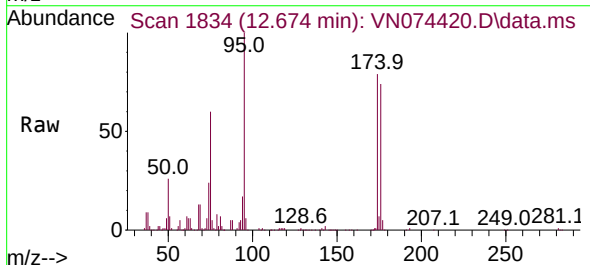
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-98-100

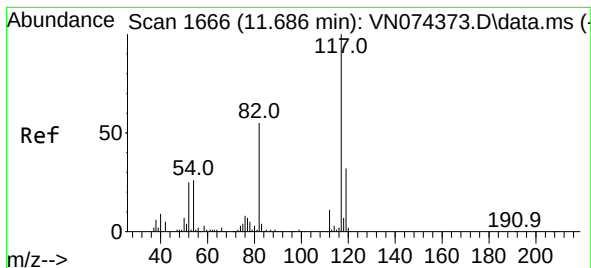
Tgt Ion: 98 Resp: 613636
Ion Ratio Lower Upper
98 100
100 64.6 50.6 76.0



#62
4-Bromofluorobenzene
Concen: 48.367 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074420.D
Acq: 12 Sep 2022 20:01

Tgt Ion: 95 Resp: 237216
Ion Ratio Lower Upper
95 100
174 78.8 0.0 150.6
176 76.8 0.0 143.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074420.D

Acq: 12 Sep 2022 20:01

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW5-GW-98-100

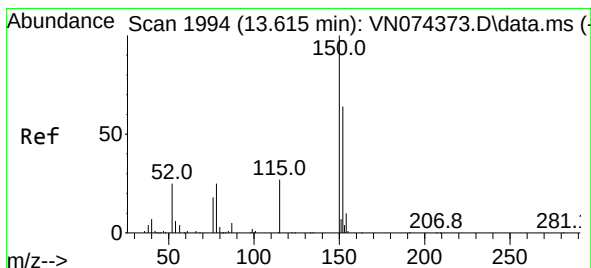
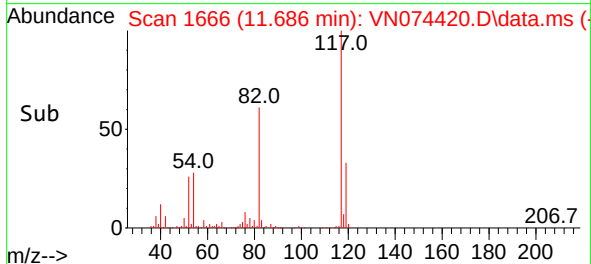
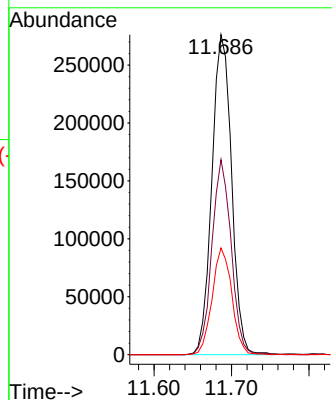
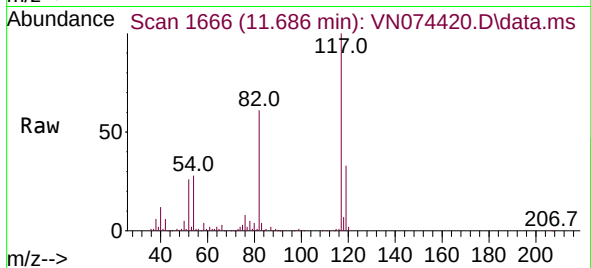
Tgt Ion:117 Resp: 488109

Ion Ratio Lower Upper

117 100

82 60.9 44.3 66.5

119 33.3 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.621 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VN074420.D

Acq: 12 Sep 2022 20:01

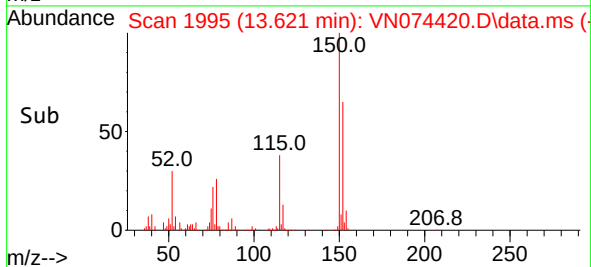
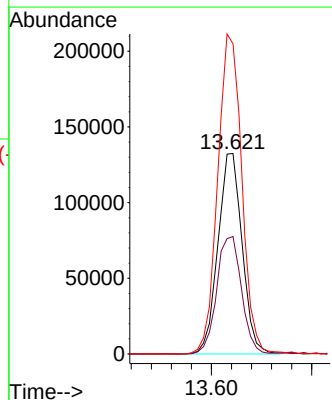
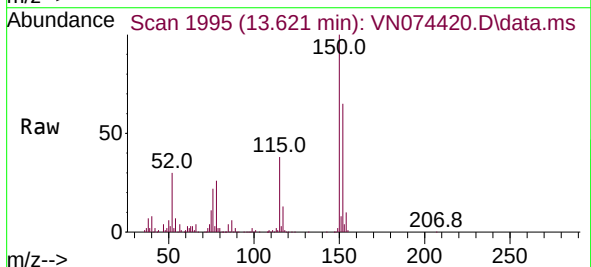
Tgt Ion:152 Resp: 221752

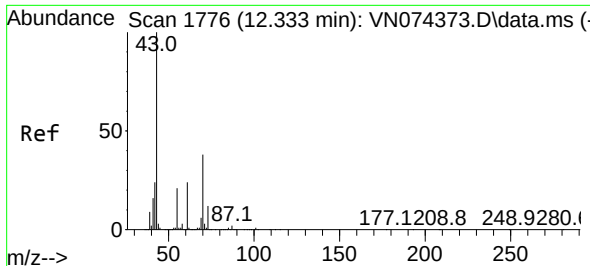
Ion Ratio Lower Upper

152 100

115 60.4 32.0 96.0

150 159.3 0.0 359.6

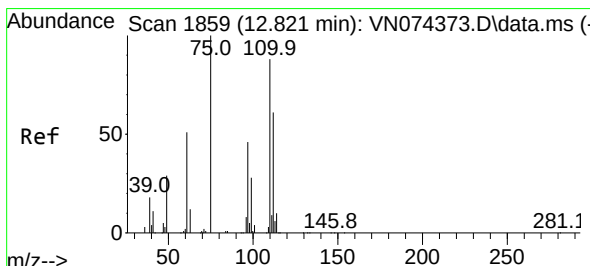
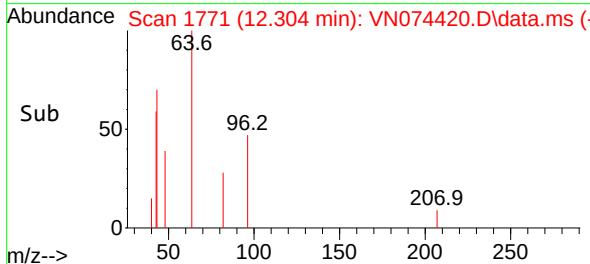
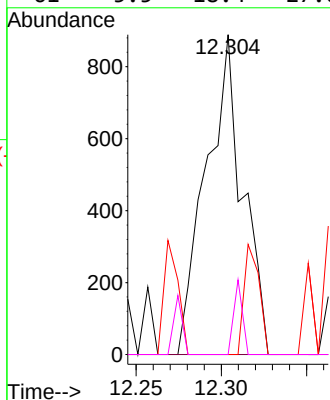
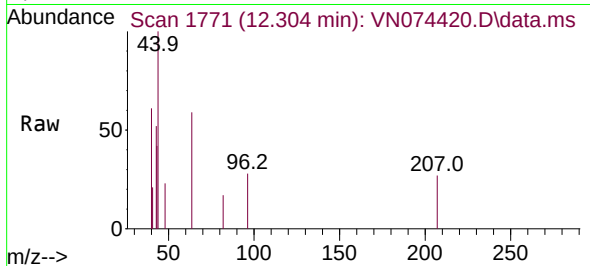




#74
N-amy1 acetate
Concen: Below Cal
RT: 12.304 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN074420.D
Acq: 12 Sep 2022 20:01

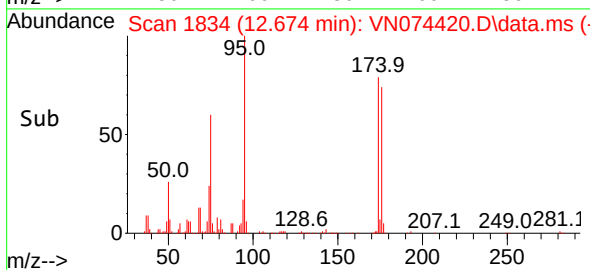
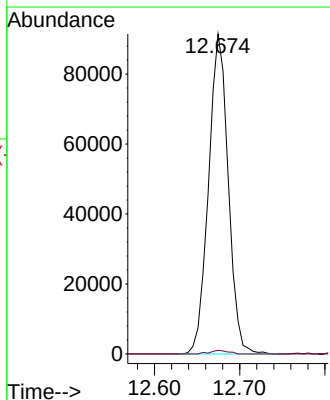
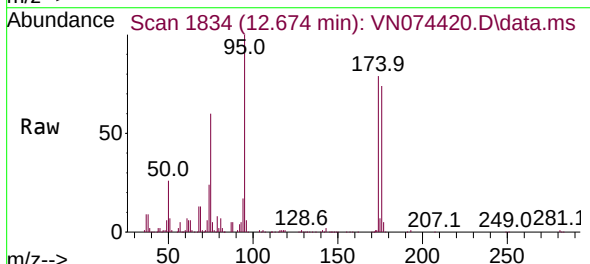
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-98-100

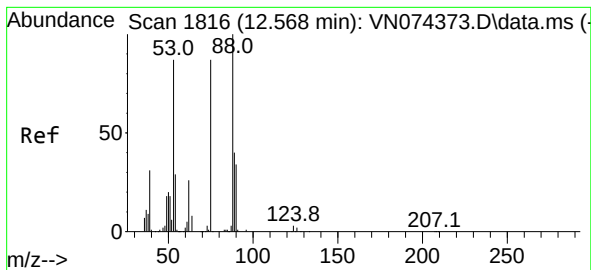
Tgt Ion: 43	Resp: 1329
Ion Ratio	Lower Upper
43 100	
70 0.0	31.4 47.0#
55 14.1	17.0 25.6#
61 5.5	18.4 27.6#



#76
1,2,3-Trichloropropane
Concen: 25.364 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074420.D
Acq: 12 Sep 2022 20:01

Tgt Ion: 75	Resp: 147035
Ion Ratio	Lower Upper
75 100	
77 1.1	78.9 236.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.536 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN074420.D
 Acq: 12 Sep 2022 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-98-100

Tgt Ion: 75 Resp: 147035
 Ion Ratio Lower Upper
 75 100
 53 0.1 82.2 123.2#
 89 0.0 37.7 56.5#

