

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091222\
 Data File : VN074421.D
 Acq On : 12 Sep 2022 20:26
 Operator : JC\MD
 Sample : N4558-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-148-150

Quant Time: Sep 13 06:28:50 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)

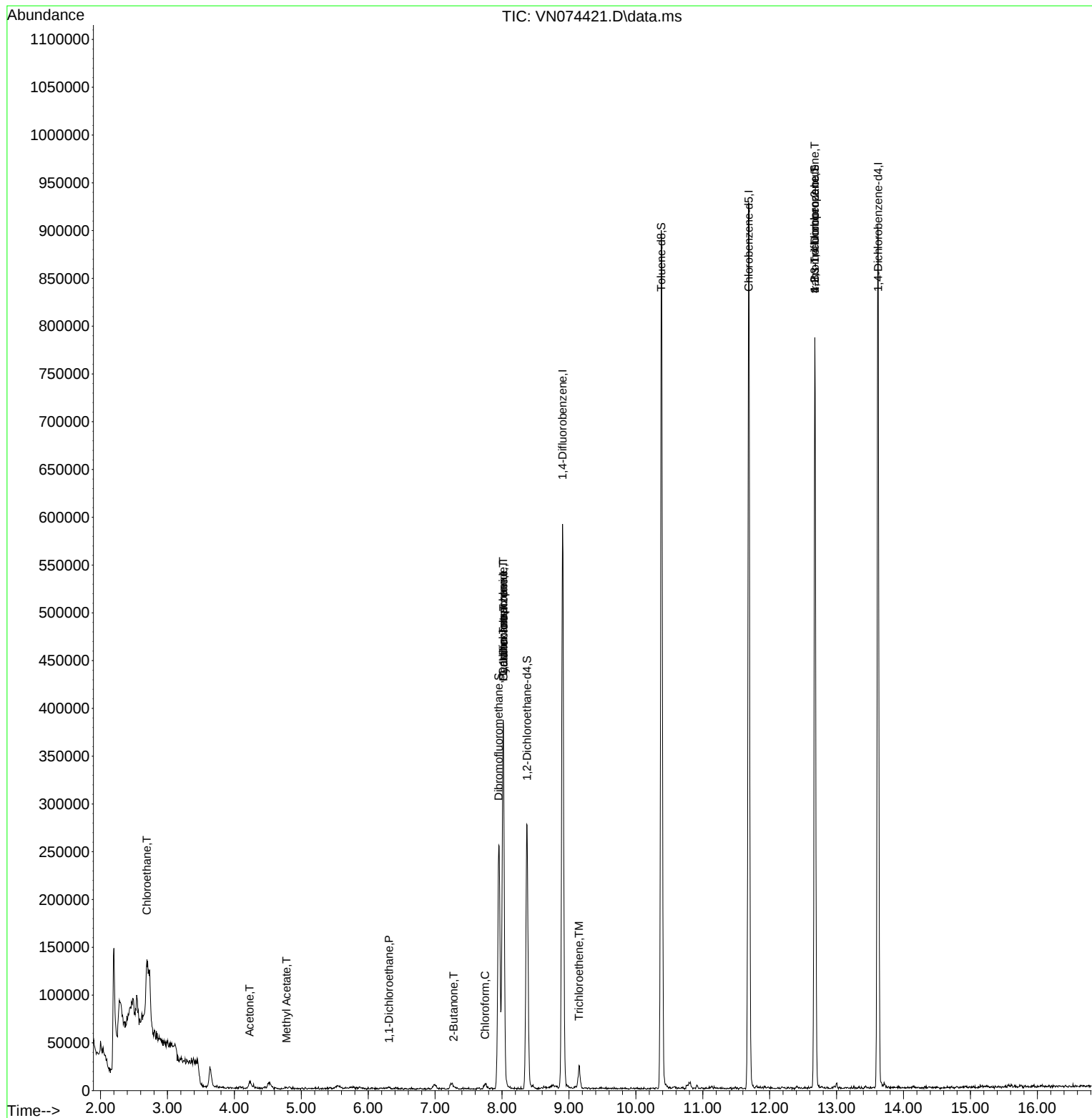
Internal Standards						
1) Pentafluorobenzene	8.022	168	272702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	479482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	474188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.622	152	223553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	216504	45.887	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.780%		
35) Dibromofluoromethane	7.951	113	176883	54.645	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	109.280%		
50) Toluene-d8	10.381	98	585147	46.393	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.780%		
62) 4-Bromofluorobenzene	12.675	95	226386	49.437	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.880%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.264	50	3758	Below Cal	#	82
6) Chloroethane	2.693	64	29452	4.084	ug/l #	44
16) Acetone	4.228	43	10734	4.214	ug/l #	88
18) Methyl Acetate	4.781	43	2307	0.307	ug/l #	84
20) Methylene Chloride	5.004	84	220	Below Cal	#	20
24) 1,1-Dichloroethane	6.310	63	2042	0.265	ug/l #	85
25) 2-Butanone	7.275	43	1627	0.381	ug/l #	52
28) Bromochloromethane	7.557	49	66	Below Cal	#	20
30) Chloroform	7.745	83	1757	0.228	ug/l #	83
31) Cyclohexane	8.022	56	8962	1.194	ug/l #	21
36) 1,1-Dichloropropene	8.016	75	25163	4.719	ug/l #	49
38) Carbon Tetrachloride	8.016	117	29278	5.318	ug/l #	16
44) Trichloroethene	9.151	130	7469	2.040	ug/l	87
74) N-amyl acetate	12.316	43	217	Below Cal	#	45
76) 1,2,3-Trichloropropane	12.675	75	144315	24.694	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.675	75	144315	55.043	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.774	75	60	Below Cal	#	8

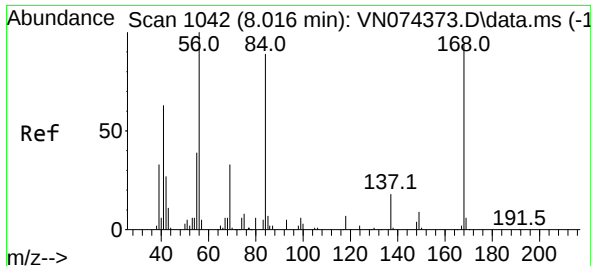
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091222\
Data File : VN074421.D
Acq On : 12 Sep 2022 20:26
Operator : JC\MD
Sample : N4558-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-148-150

Quant Time: Sep 13 06:28:50 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

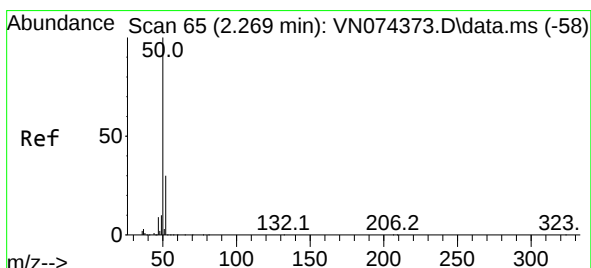
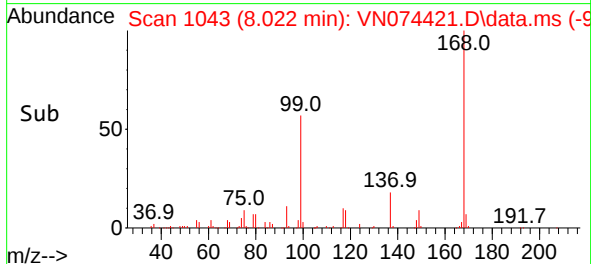
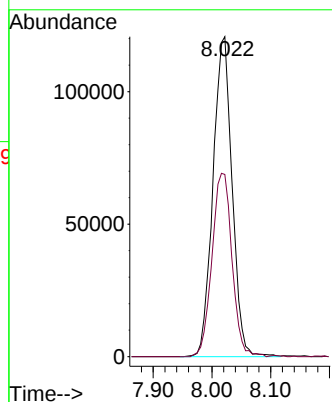
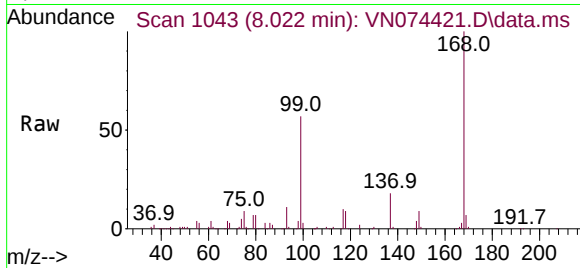




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VN074421.D
Acq: 12 Sep 2022 20:26

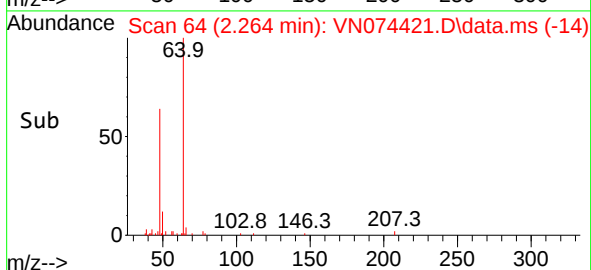
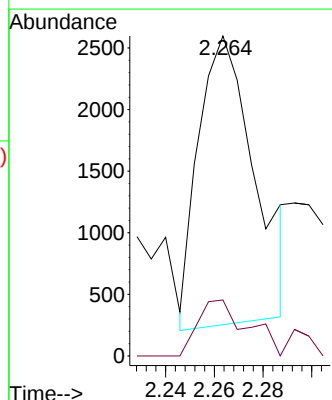
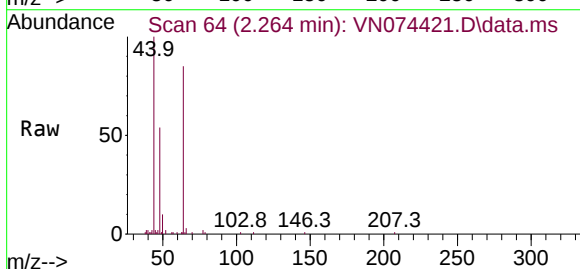
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-148-150

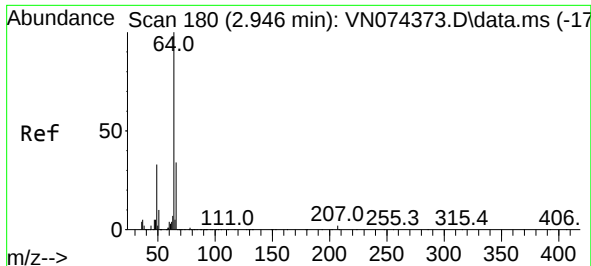
Tgt Ion:168 Resp: 272702
Ion Ratio Lower Upper
168 100
99 57.0 52.8 79.2



#3
Chloromethane
Concen: Below Cal
RT: 2.264 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN074421.D
Acq: 12 Sep 2022 20:26

Tgt Ion: 50 Resp: 3758
Ion Ratio Lower Upper
50 100
52 20.2 24.1 36.1#

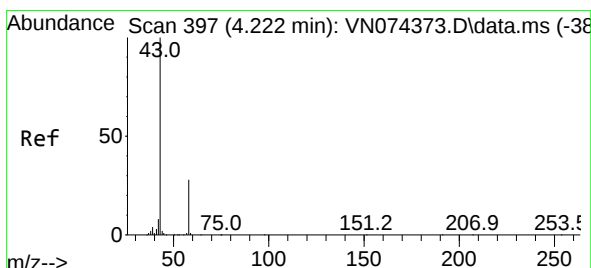
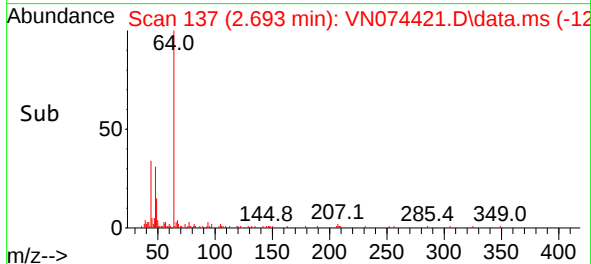
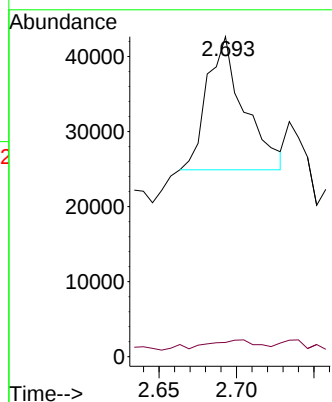
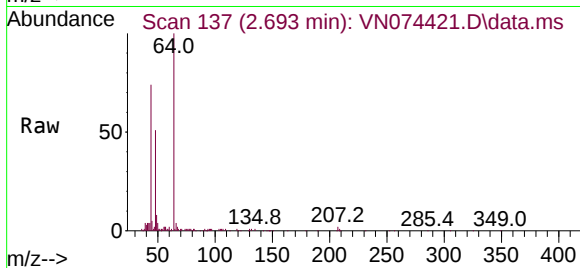




#6
Chloroethane
Concen: 4.084 ug/l
RT: 2.693 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN074421.D
Acq: 12 Sep 2022 20:26

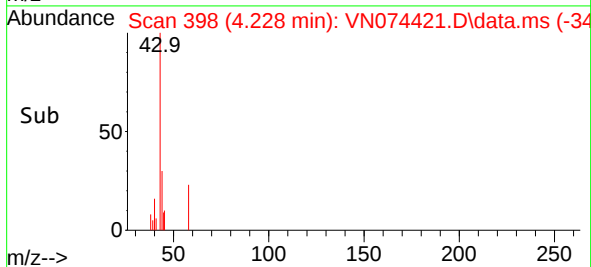
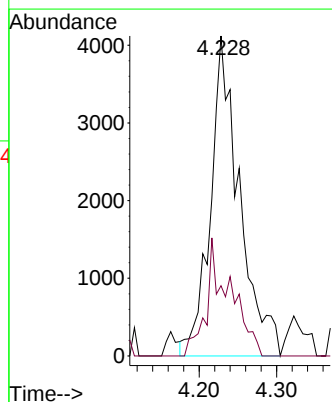
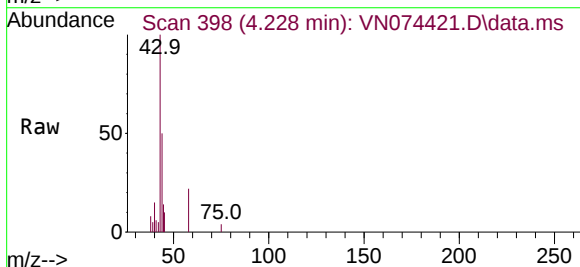
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-148-150

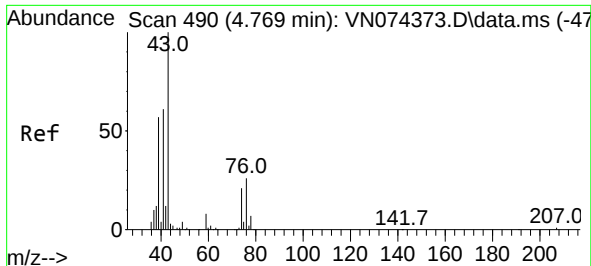
Tgt Ion: 64 Resp: 29452
Ion Ratio Lower Upper
64 100
66 1.6 26.5 39.7#



#16
Acetone
Concen: 4.214 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN074421.D
Acq: 12 Sep 2022 20:26

Tgt Ion: 43 Resp: 10734
Ion Ratio Lower Upper
43 100
58 22.0 22.7 34.1#

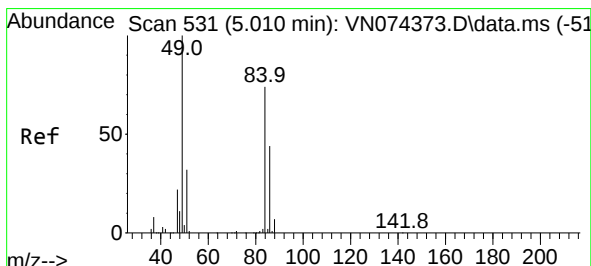
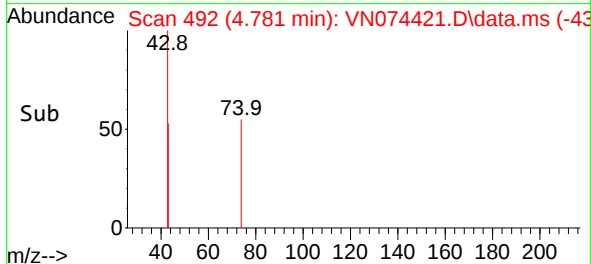
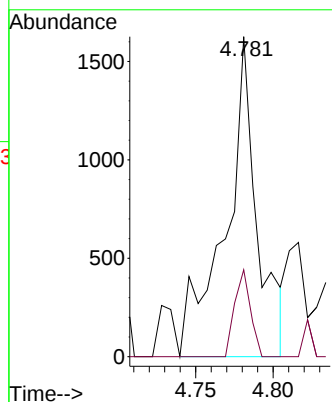
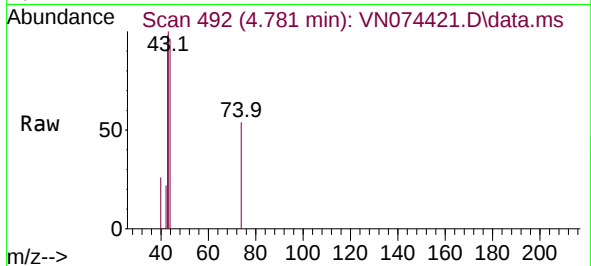




#18
Methyl Acetate
Concen: 0.307 ug/l
RT: 4.781 min Scan# 491
Delta R.T. 0.012 min
Lab File: VN074421.D
Acq: 12 Sep 2022 20:26

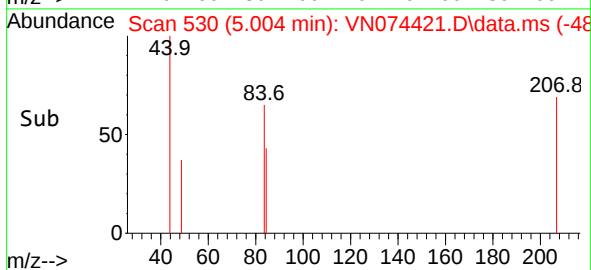
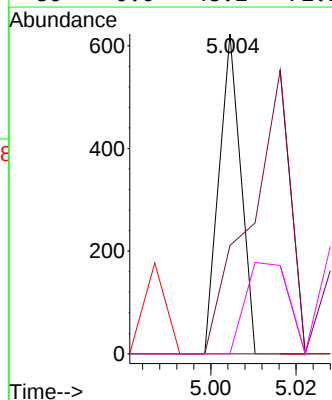
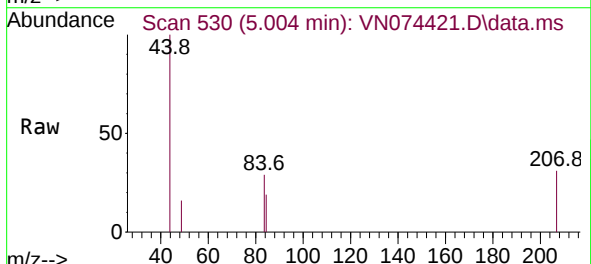
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-148-150

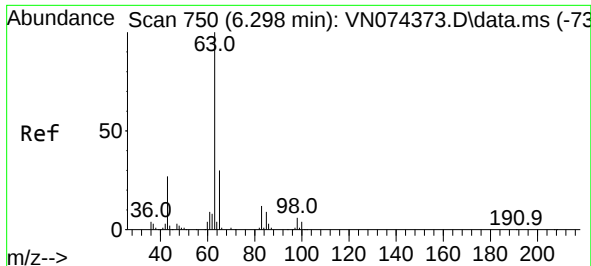
Tgt Ion: 43 Resp: 2307
Ion Ratio Lower Upper
43 100
74 13.5 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.004 min Scan# 530
Delta R.T. -0.006 min
Lab File: VN074421.D
Acq: 12 Sep 2022 20:26

Tgt Ion: 84 Resp: 220
Ion Ratio Lower Upper
84 100
49 33.9 108.2 162.4#
51 0.0 34.3 51.5#
86 0.0 48.2 72.2#

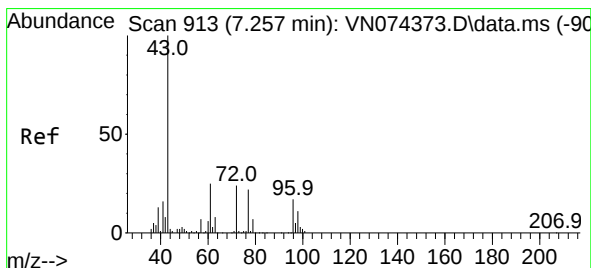
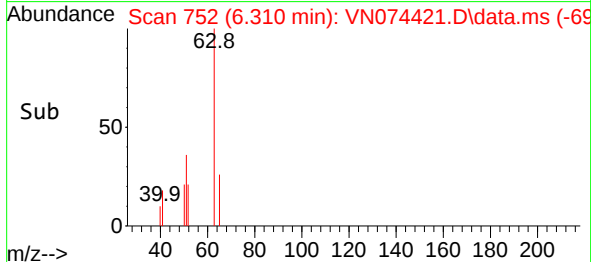
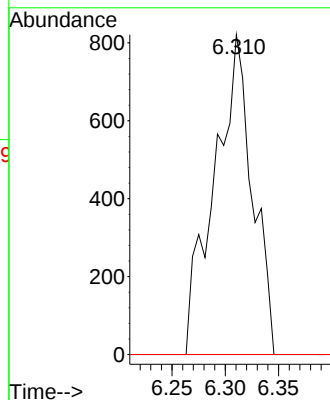
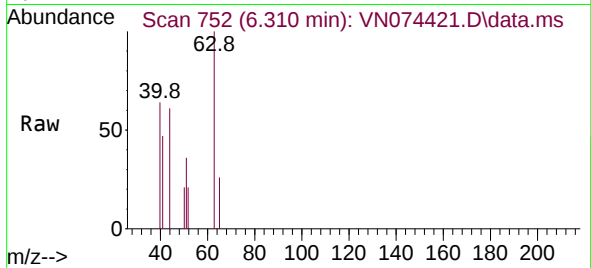




#24
1,1-Dichloroethane
Concen: 0.265 ug/l
RT: 6.310 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN074421.D
Acq: 12 Sep 2022 20:26

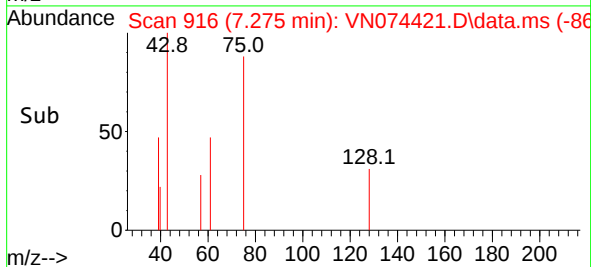
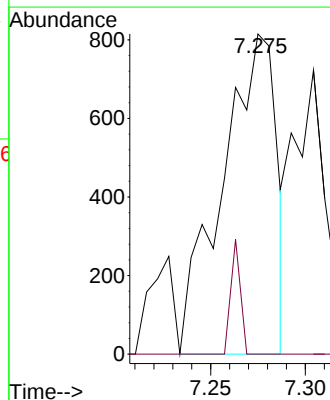
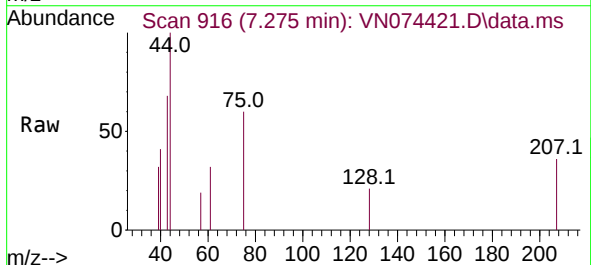
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-148-150

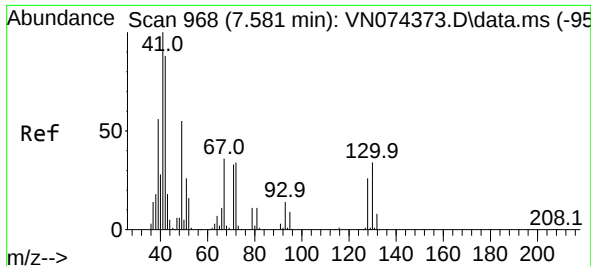
Tgt Ion: 63 Resp: 2042
Ion Ratio Lower Upper
63 100
98 0.0 2.9 8.6#
100 0.0 2.0 5.8#



#25
2-Butanone
Concen: 0.381 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.018 min
Lab File: VN074421.D
Acq: 12 Sep 2022 20:26

Tgt Ion: 43 Resp: 1627
Ion Ratio Lower Upper
43 100
72 0.0 18.9 28.3#

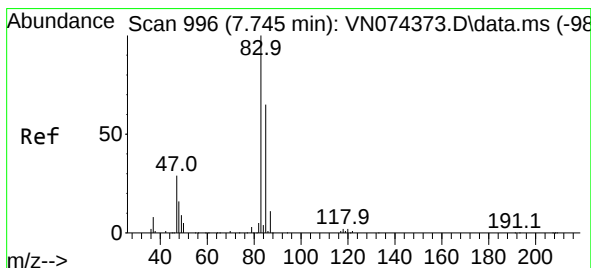
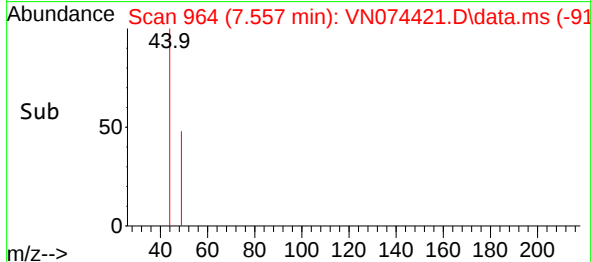
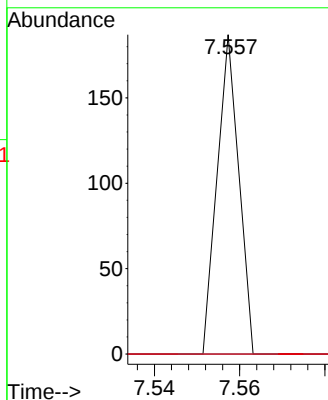
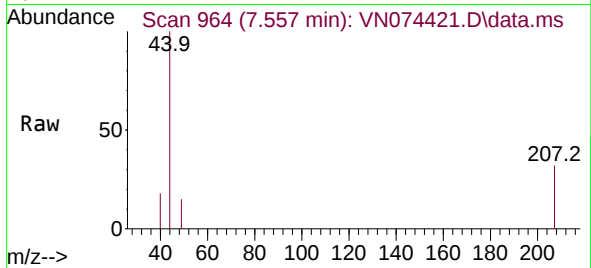




#28
Bromochloromethane
Concen: Below Cal
RT: 7.557 min Scan# 91
Delta R.T. -0.024 min
Lab File: VN074421.D
Acq: 12 Sep 2022 20:26

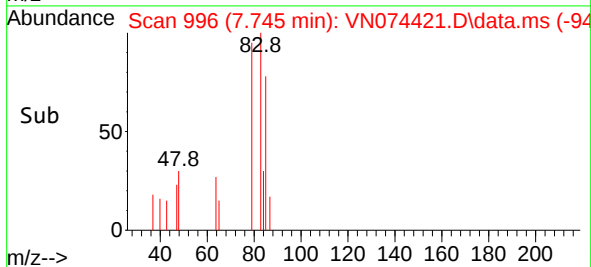
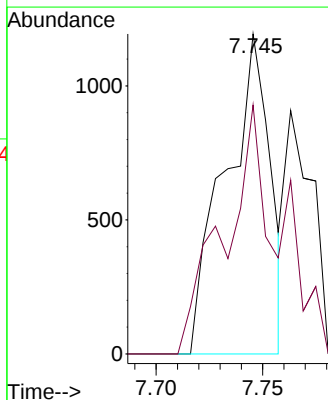
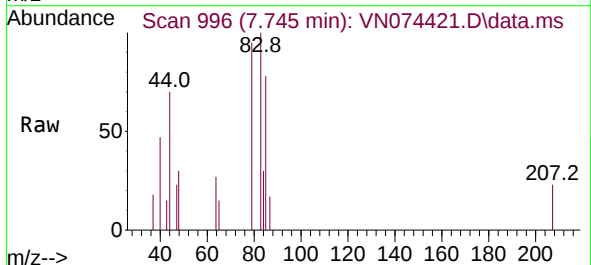
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-148-150

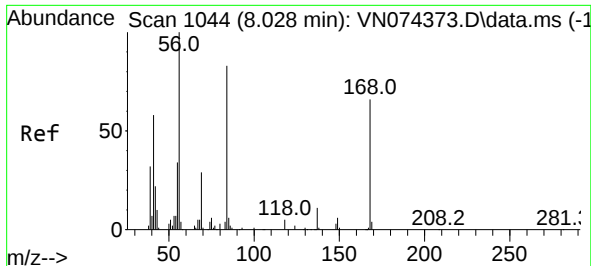
Tgt Ion: 49 Resp: 66
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 0.0 50.0 75.0#



#30
Chloroform
Concen: 0.228 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN074421.D
Acq: 12 Sep 2022 20:26

Tgt Ion: 83 Resp: 1757
Ion Ratio Lower Upper
83 100
85 77.8 51.8 77.6#

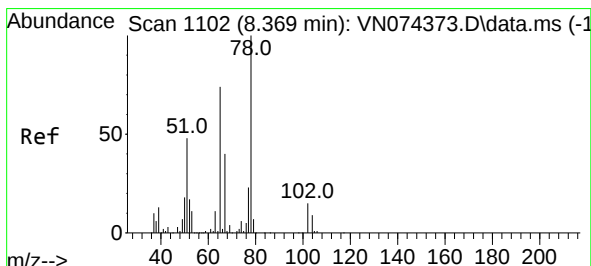
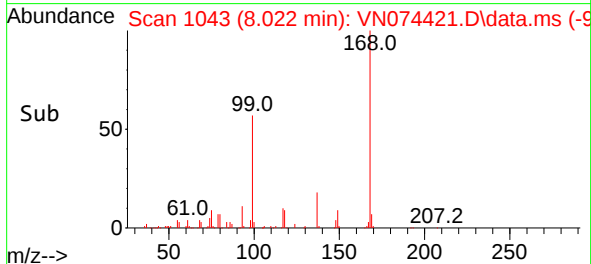
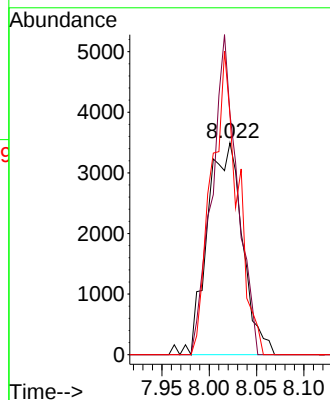
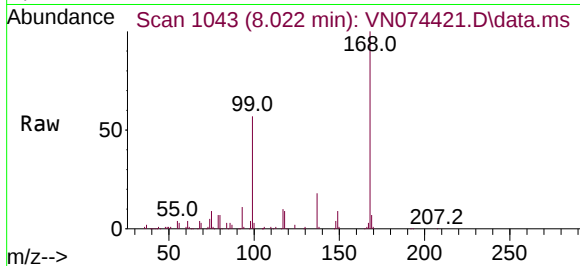




#31
Cyclohexane
Concen: 1.194 ug/l
RT: 8.022 min Scan# 1103
Delta R.T. -0.006 min
Lab File: VN074421.D
Acq: 12 Sep 2022 20:26

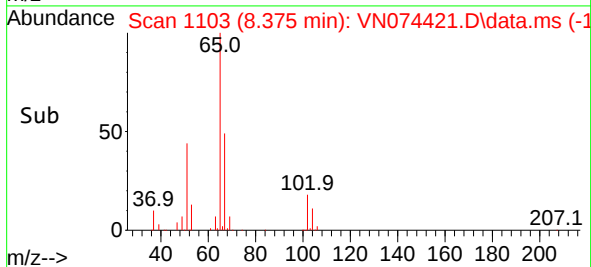
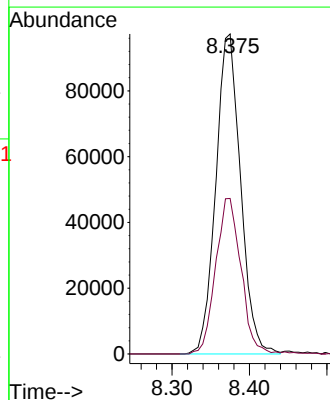
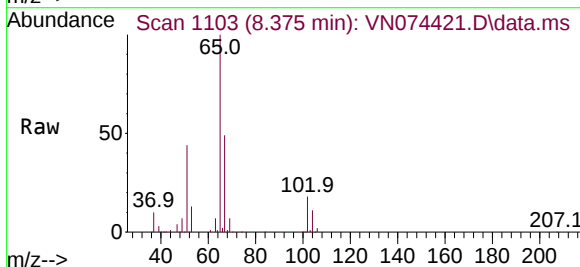
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-148-150

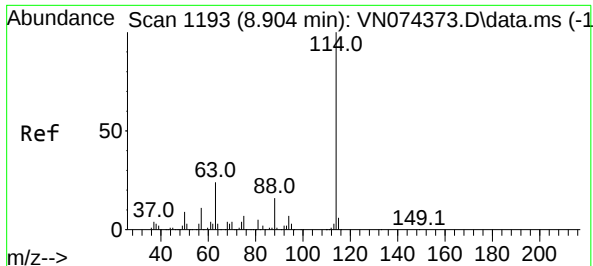
Tgt Ion: 56 Resp: 8962
Ion Ratio Lower Upper
56 100
69 113.6 23.0 34.4#
84 128.6 66.3 99.5#



#33
1,2-Dichloroethane-d4
Concen: 45.887 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN074421.D
Acq: 12 Sep 2022 20:26

Tgt Ion: 65 Resp: 216504
Ion Ratio Lower Upper
65 100
67 49.9 0.0 102.4

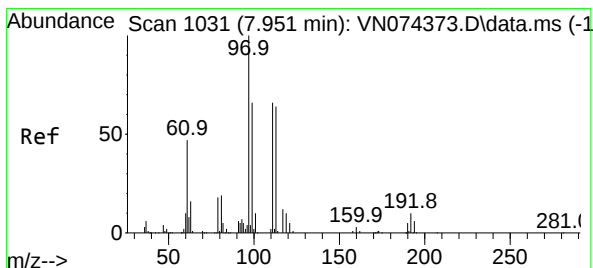
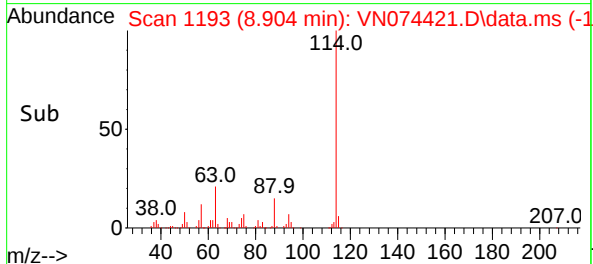
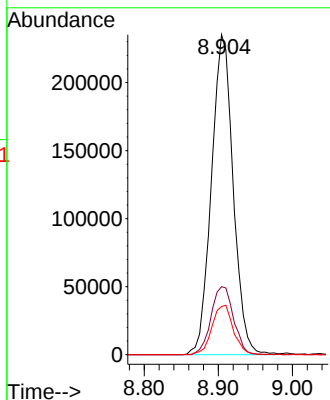
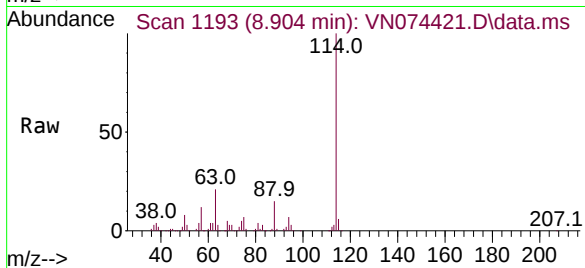




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074421.D
Acq: 12 Sep 2022 20:26

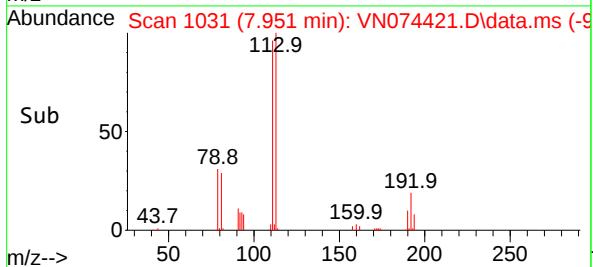
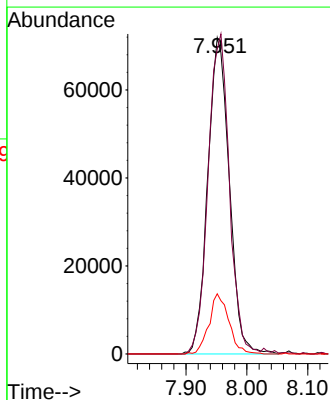
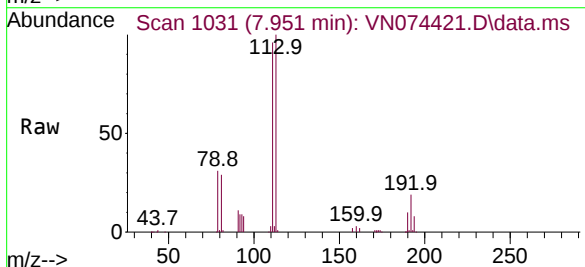
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-148-150

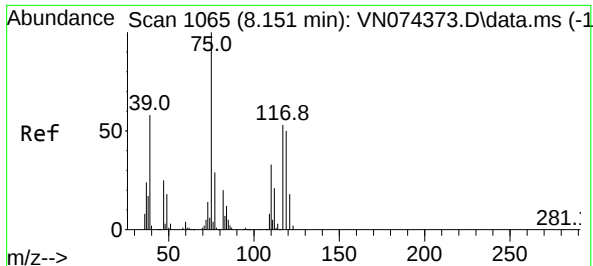
Tgt Ion:114 Resp: 479482
Ion Ratio Lower Upper
114 100
63 21.2 0.0 47.6
88 15.1 0.0 31.4



#35
Dibromofluoromethane
Concen: 54.645 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074421.D
Acq: 12 Sep 2022 20:26

Tgt Ion:113 Resp: 176883
Ion Ratio Lower Upper
113 100
111 99.6 83.0 124.4
192 17.6 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.719 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN074421.D

Acq: 12 Sep 2022 20:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW5-GW-148-150

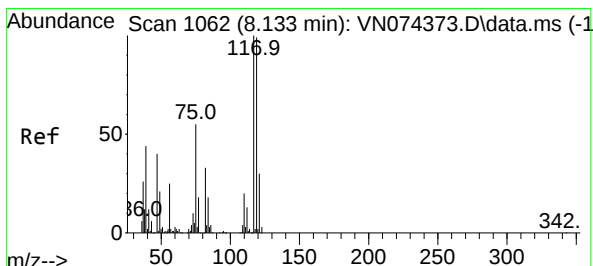
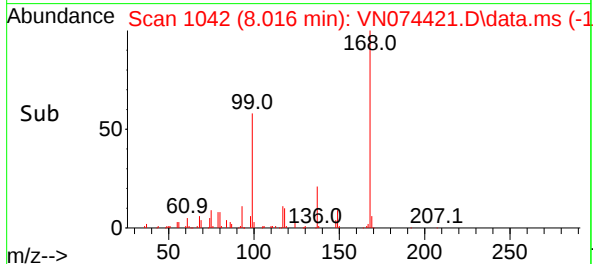
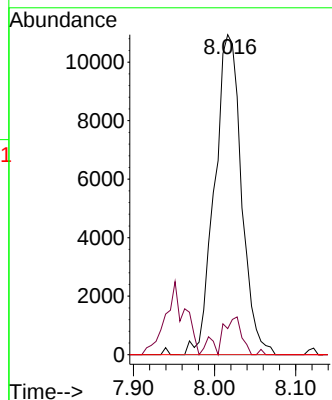
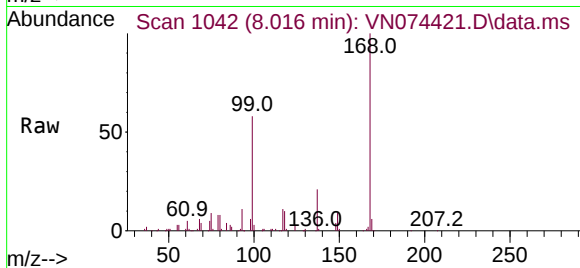
Tgt Ion: 75 Resp: 25163

Ion Ratio Lower Upper

75 100

110 7.5 16.4 49.1#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 5.318 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.117 min

Lab File: VN074421.D

Acq: 12 Sep 2022 20:26

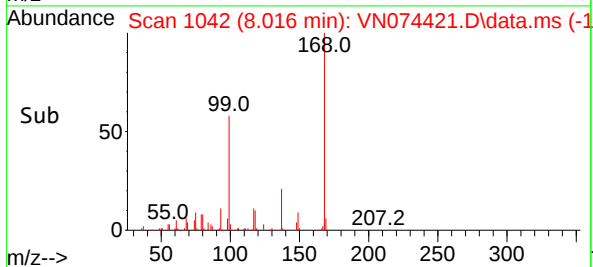
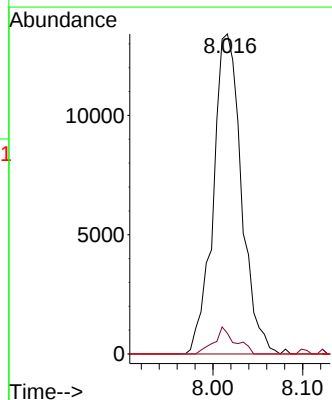
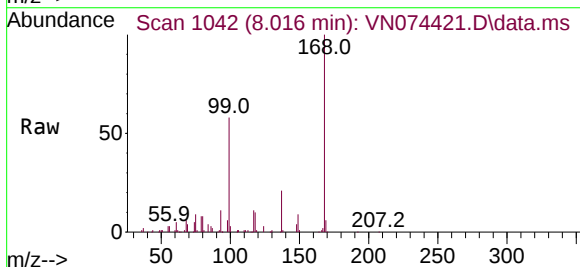
Tgt Ion: 117 Resp: 29278

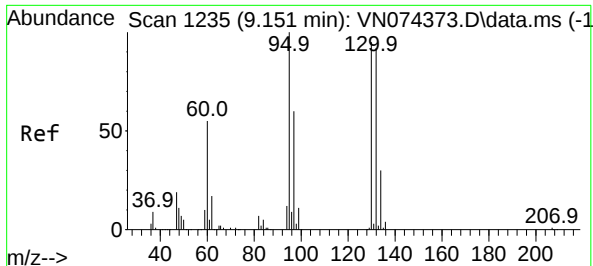
Ion Ratio Lower Upper

117 100

119 6.4 78.8 118.2#

121 0.0 24.1 36.1#

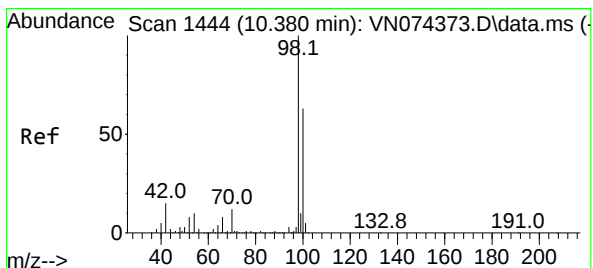
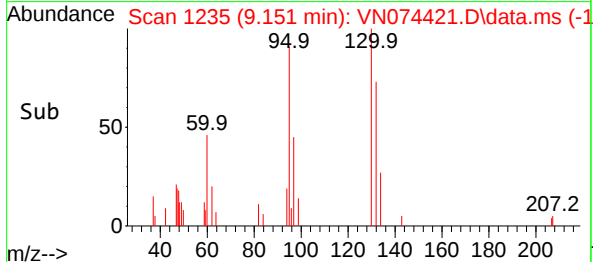
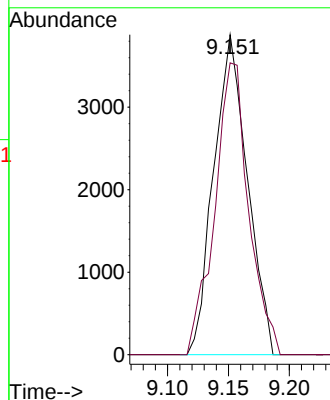
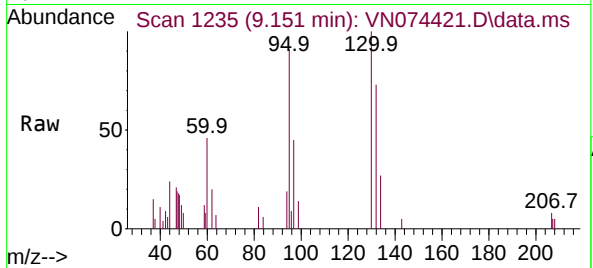




#44
Trichloroethene
Concen: 2.040 ug/l
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074421.D
Acq: 12 Sep 2022 20:26

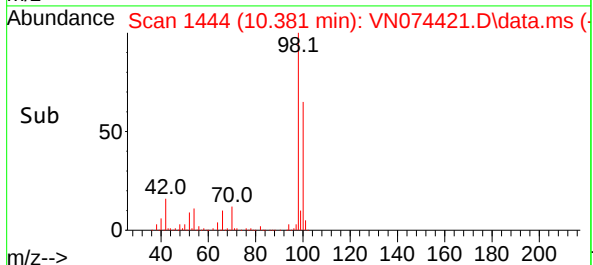
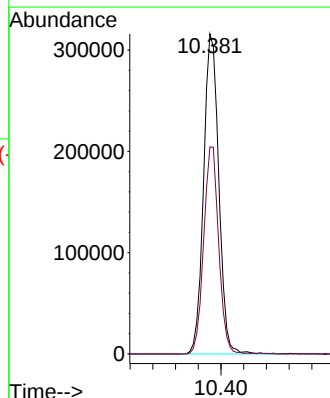
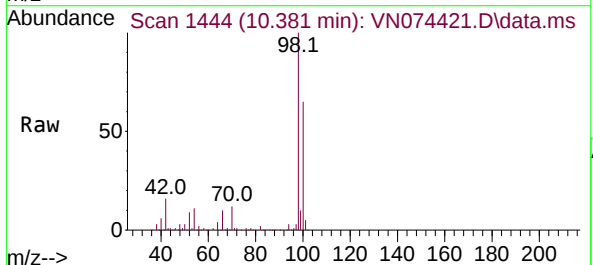
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-148-150

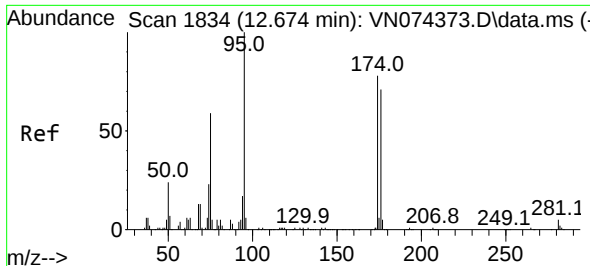
Tgt Ion:130 Resp: 7469
Ion Ratio Lower Upper
130 100
95 91.2 0.0 210.0



#50
Toluene-d8
Concen: 46.393 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074421.D
Acq: 12 Sep 2022 20:26

Tgt Ion: 98 Resp: 585147
Ion Ratio Lower Upper
98 100
100 63.9 50.6 76.0

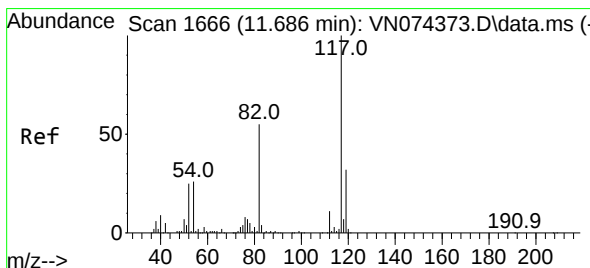
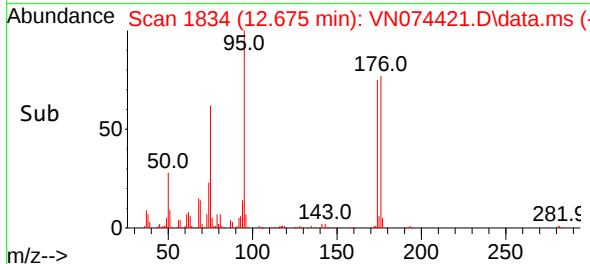
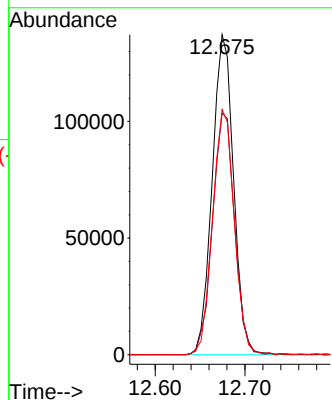
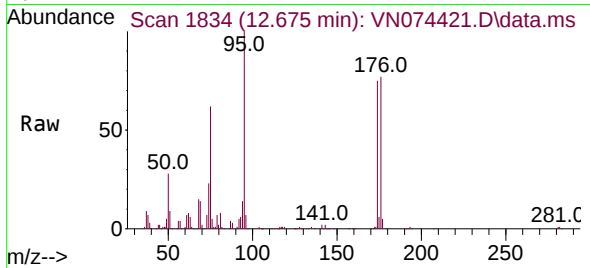




#62
4-Bromofluorobenzene
Concen: 49.437 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074421.D
Acq: 12 Sep 2022 20:26

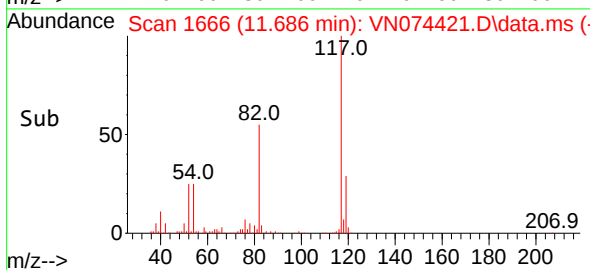
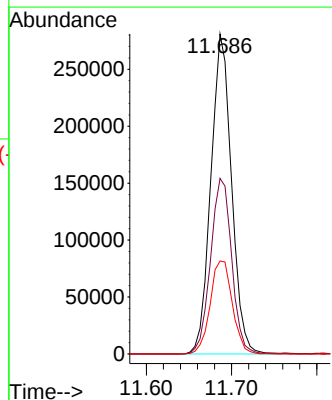
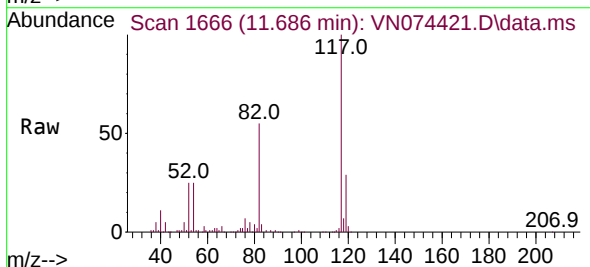
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-148-150

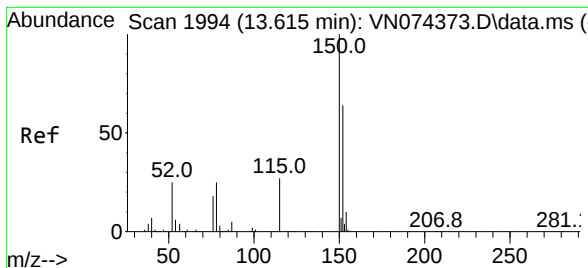
Tgt Ion: 95 Resp: 226386
Ion Ratio Lower Upper
95 100
174 78.0 0.0 150.6
176 78.1 0.0 143.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074421.D
Acq: 12 Sep 2022 20:26

Tgt Ion: 117 Resp: 474188
Ion Ratio Lower Upper
117 100
82 54.8 44.3 66.5
119 29.0 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.622 min Scan# 1994

Delta R.T. 0.007 min

Lab File: VN074421.D

Acq: 12 Sep 2022 20:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW5-GW-148-150

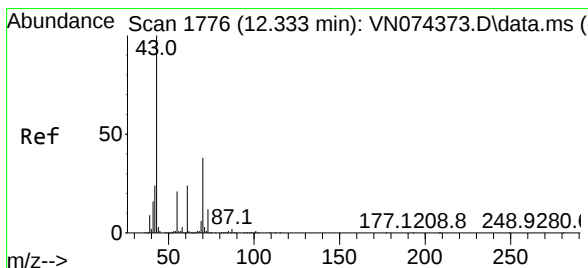
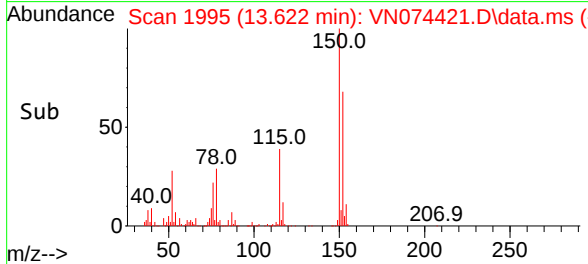
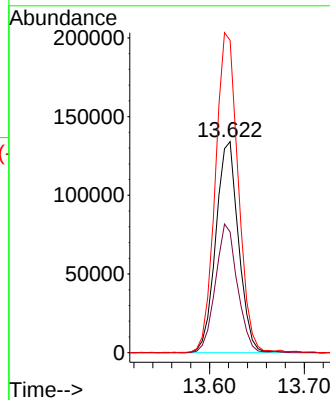
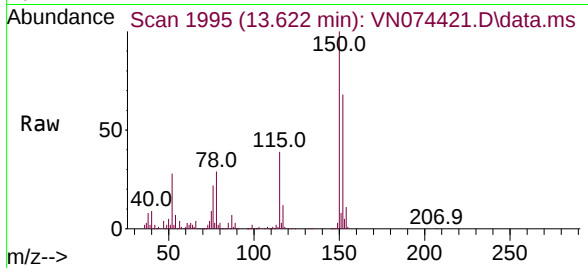
Tgt Ion:152 Resp: 223553

Ion Ratio Lower Upper

152 100

115 59.2 32.0 96.0

150 152.9 0.0 359.6



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.316 min Scan# 1773

Delta R.T. -0.017 min

Lab File: VN074421.D

Acq: 12 Sep 2022 20:26

Tgt Ion: 43 Resp: 217

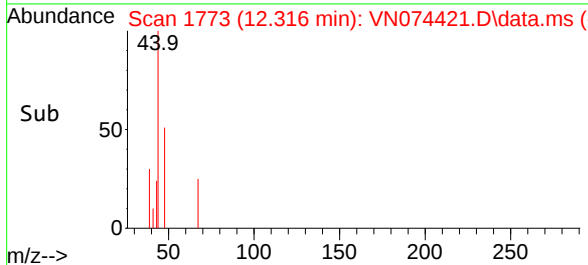
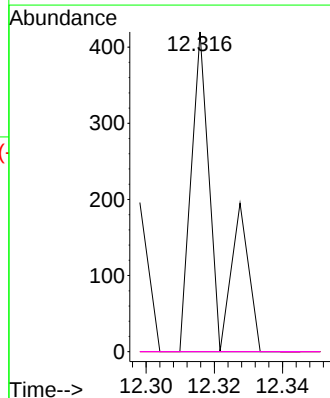
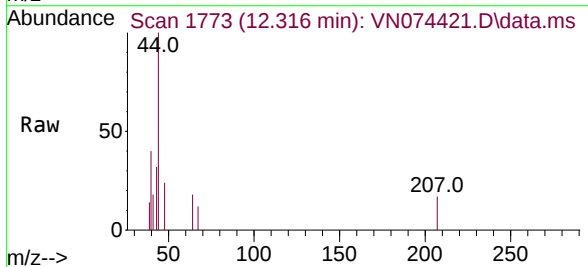
Ion Ratio Lower Upper

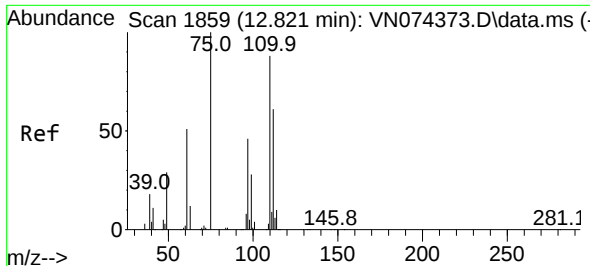
43 100

70 0.0 31.4 47.0#

55 0.0 17.0 25.6#

61 0.0 18.4 27.6#

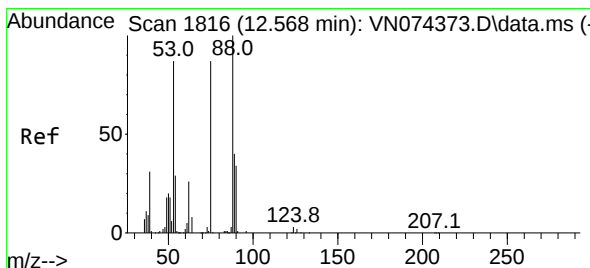
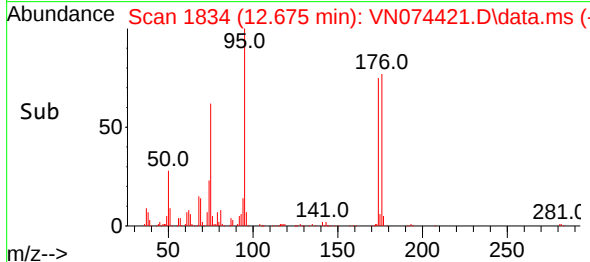
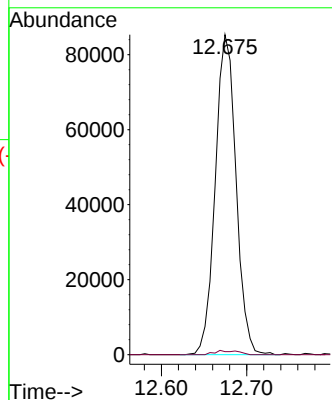
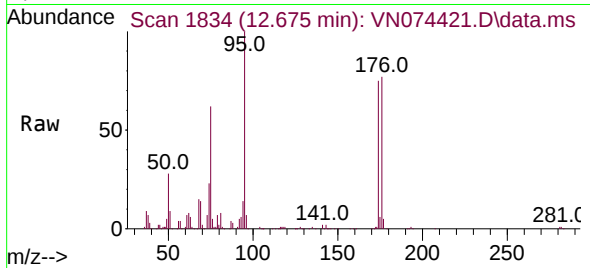




#76
1,2,3-Trichloropropane
Concen: 24.694 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074421.D
Acq: 12 Sep 2022 20:26

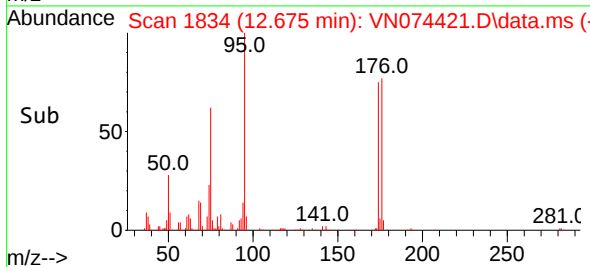
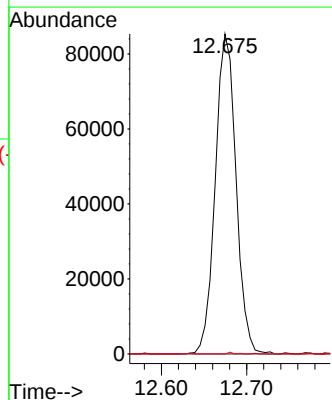
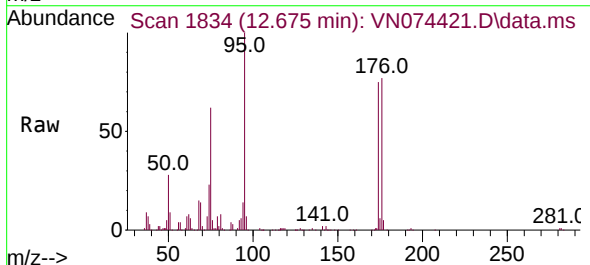
Instrument : MSVOA_N
ClientSampleId : BP-VPB-RW5-GW-148-150

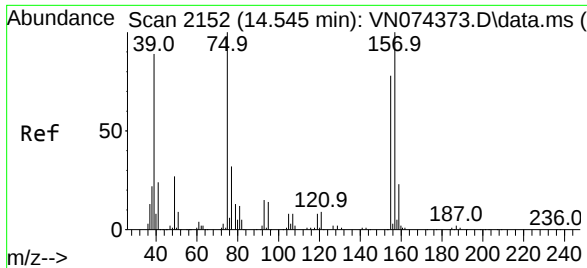
Tgt Ion: 75 Resp: 144315
Ion Ratio Lower Upper
75 100
77 1.4 78.9 236.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.043 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074421.D
Acq: 12 Sep 2022 20:26

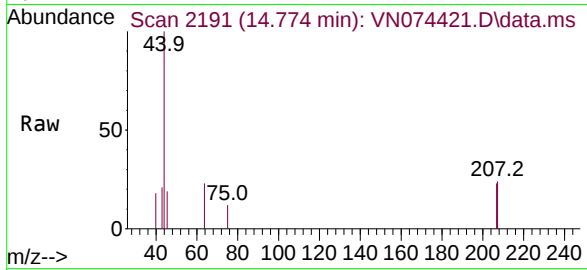
Tgt Ion: 75 Resp: 144315
Ion Ratio Lower Upper
75 100
53 0.0 82.2 123.2#
89 0.2 37.7 56.5#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.774 min Scan# 21
 Delta R.T. 0.229 min
 Lab File: VN074421.D
 Acq: 12 Sep 2022 20:26

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-148-150



Tgt Ion: 75 Resp: 60
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.6 109.9#
 157 0.0 46.2 138.5#

