

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091222\
 Data File : VN074419.D
 Acq On : 12 Sep 2022 19:36
 Operator : JC\MD
 Sample : N4558-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-EB-20220908-

Quant Time: Sep 13 06:28:12 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)

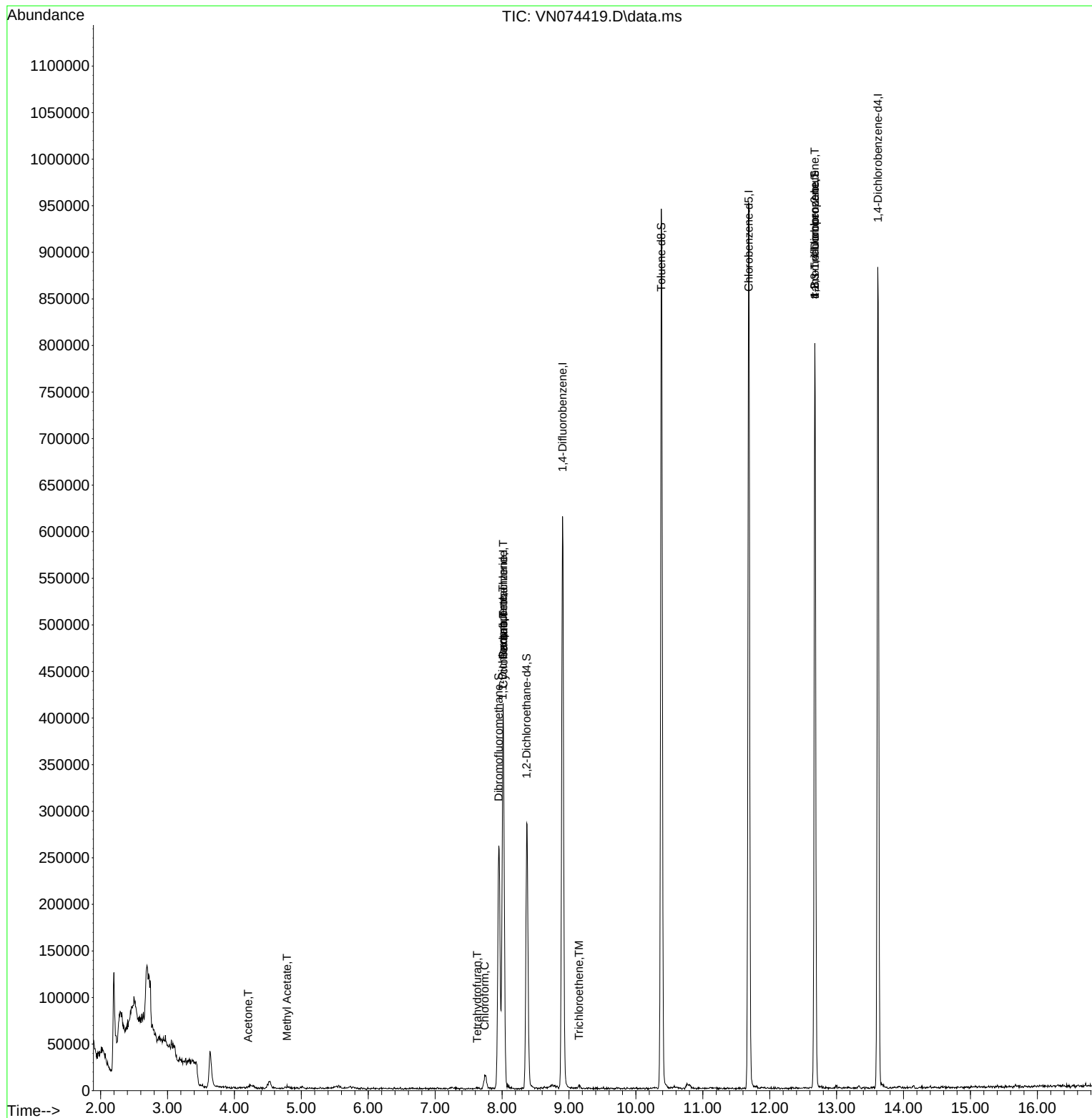
Internal Standards						
1) Pentafluorobenzene	8.016	168	289295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	502789	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	479099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	211360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	221545	44.263	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	88.520%	
35) Dibromofluoromethane	7.951	113	182529	53.775	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	107.540%	
50) Toluene-d8	10.380	98	605153	45.755	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	91.520%	
62) 4-Bromofluorobenzene	12.674	95	233193	48.563	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	97.120%	
Target Compounds						
3) Chloromethane	2.263	50	2898	Below Cal	Qvalue	92
6) Chloroethane	2.893	64	8880	Below Cal	#	55
16) Acetone	4.204	43	744	0.275	ug/l #	46
18) Methyl Acetate	4.787	43	3504	0.440	ug/l #	68
20) Methylene Chloride	5.010	84	1094	Below Cal	#	37
28) Bromochloromethane	7.751	49	1414	Below Cal	#	20
29) Tetrahydrofuran	7.628	42	740	0.247	ug/l #	51
30) Chloroform	7.739	83	10711	1.311	ug/l #	82
31) Cyclohexane	8.022	56	9538	1.198	ug/l #	53
36) 1,1-Dichloropropene	8.010	75	27228	4.869	ug/l #	53
38) Carbon Tetrachloride	8.016	117	29749	5.153	ug/l #	13
44) Trichloroethene	9.151	130	1298	0.338	ug/l	70
74) N-amyl acetate	12.345	43	214	Below Cal	#	45
76) 1,2,3-Trichloropropane	12.674	75	143871	26.039	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	143871	58.039	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.633	75	61	Below Cal	#	8

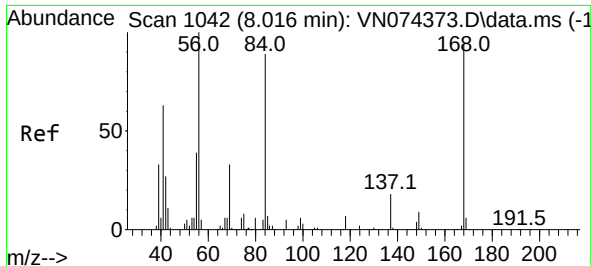
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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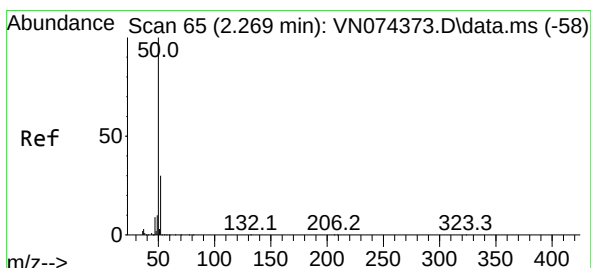
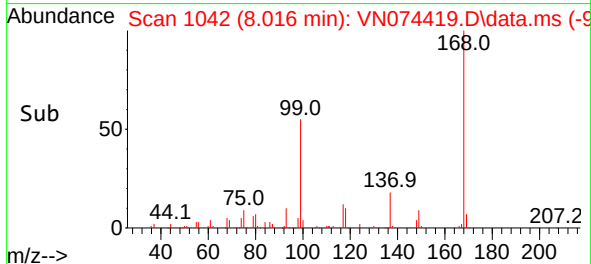
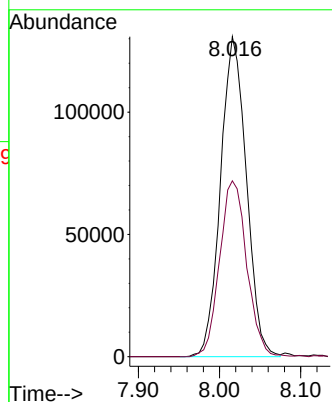
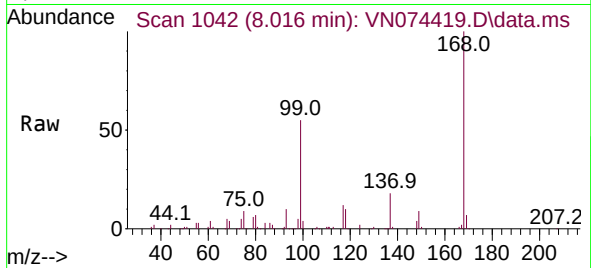




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074419.D
Acq: 12 Sep 2022 19:36

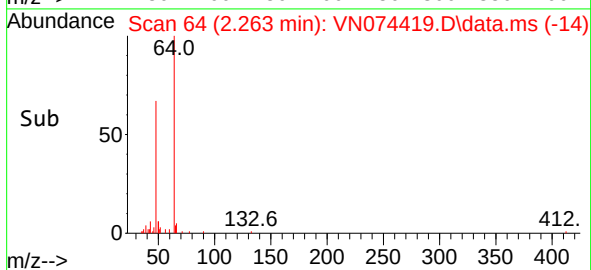
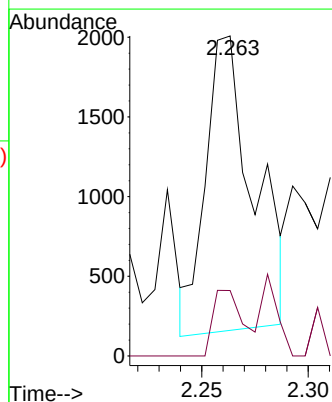
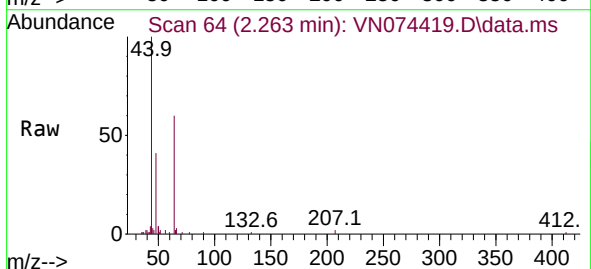
Instrument : MSVOA_N
ClientSampleId : BP-VPB-RW5-GW-EB-20220908-

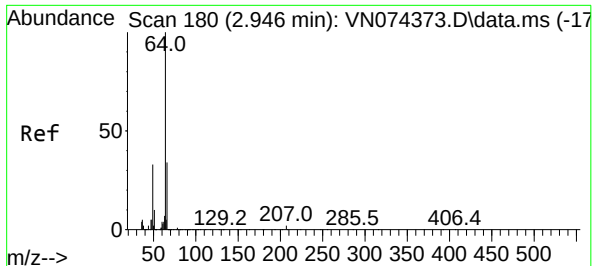
Tgt Ion:168 Resp: 289295
Ion Ratio Lower Upper
168 100
99 54.9 52.8 79.2



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN074419.D
Acq: 12 Sep 2022 19:36

Tgt Ion: 50 Resp: 2898
Ion Ratio Lower Upper
50 100
52 26.0 24.1 36.1

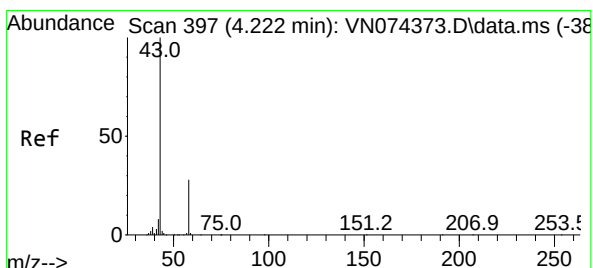
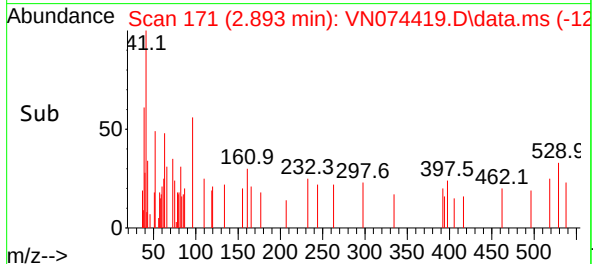
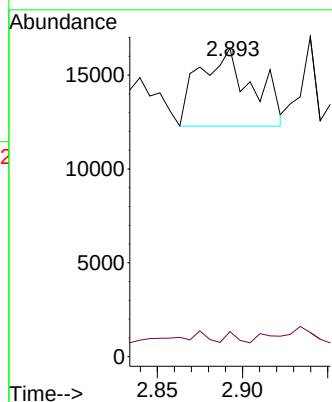
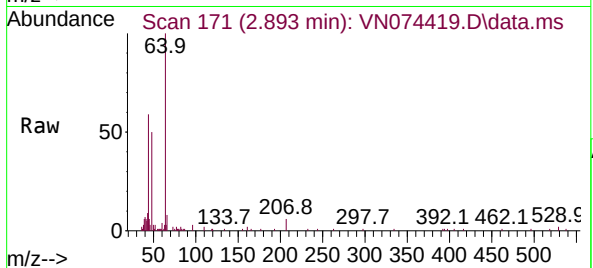




#6
Chloroethane
Concen: Below Cal
RT: 2.893 min Scan# 11
Delta R.T. -0.053 min
Lab File: VN074419.D
Acq: 12 Sep 2022 19:36

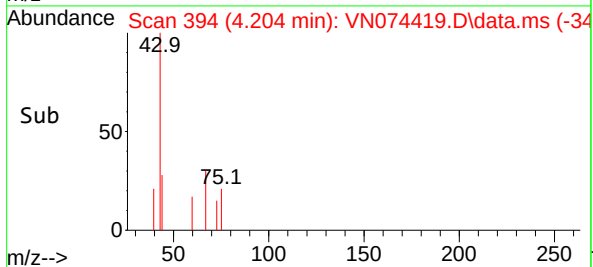
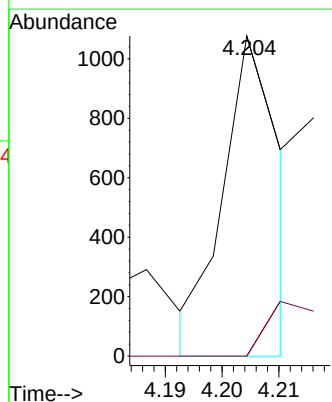
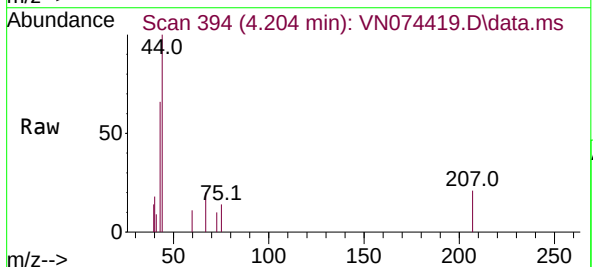
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-EB-20220908-

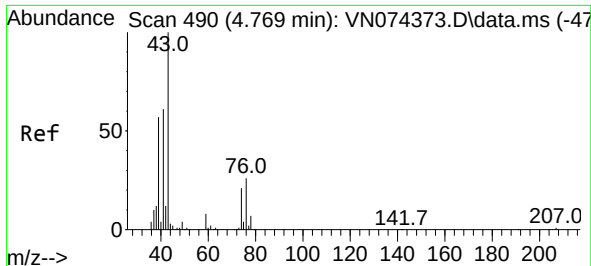
Tgt Ion: 64 Resp: 8880
Ion Ratio Lower Upper
64 100
66 7.4 26.5 39.7#



#16
Acetone
Concen: 0.275 ug/l
RT: 4.204 min Scan# 394
Delta R.T. -0.018 min
Lab File: VN074419.D
Acq: 12 Sep 2022 19:36

Tgt Ion: 43 Resp: 744
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#

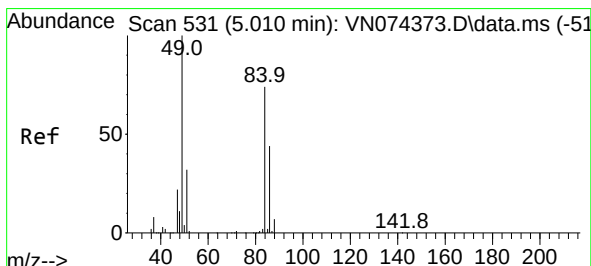
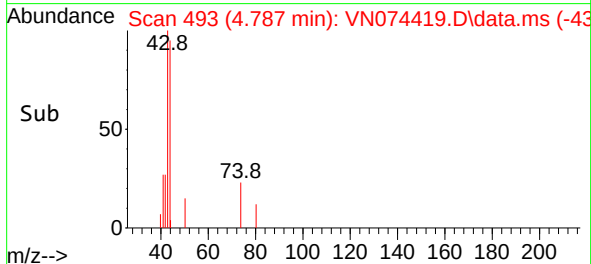
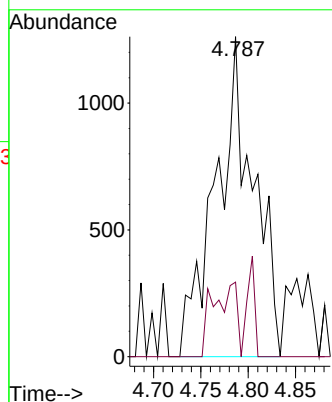
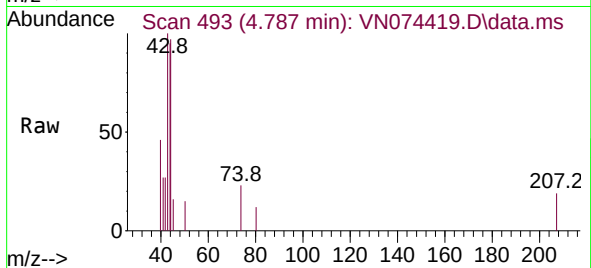




#18
Methyl Acetate
Concen: 0.440 ug/l
RT: 4.787 min Scan# 493
Delta R.T. 0.018 min
Lab File: VN074419.D
Acq: 12 Sep 2022 19:36

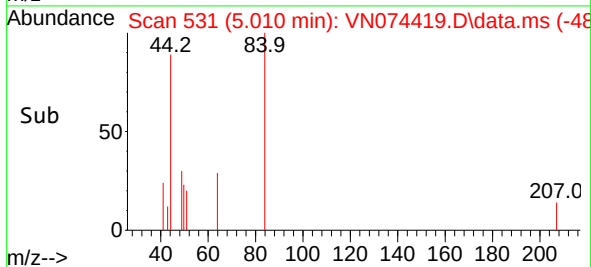
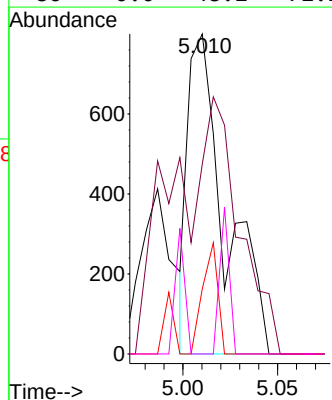
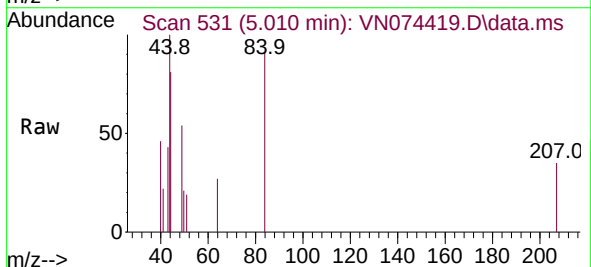
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-EB-20220908-

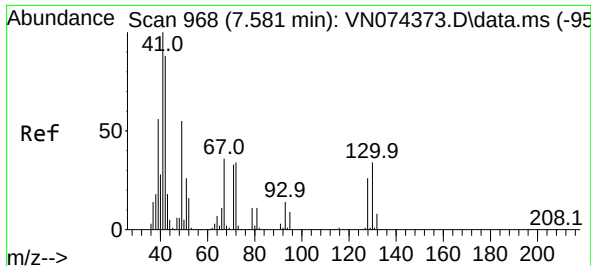
Tgt Ion: 43 Resp: 3504
Ion Ratio Lower Upper
43 100
74 5.8 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.010 min Scan# 531
Delta R.T. 0.000 min
Lab File: VN074419.D
Acq: 12 Sep 2022 19:36

Tgt Ion: 84 Resp: 1094
Ion Ratio Lower Upper
84 100
49 59.4 108.2 162.4#
51 20.4 34.3 51.5#
86 0.0 48.2 72.2#

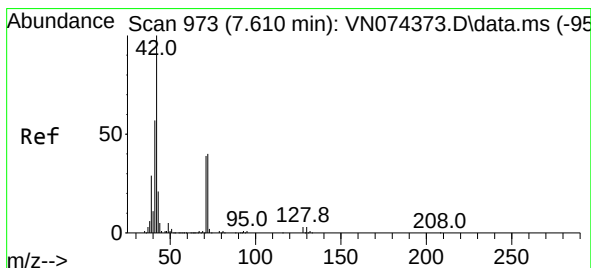
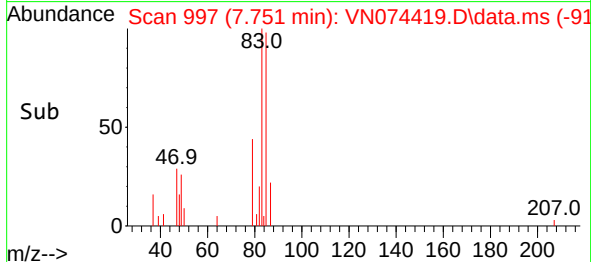
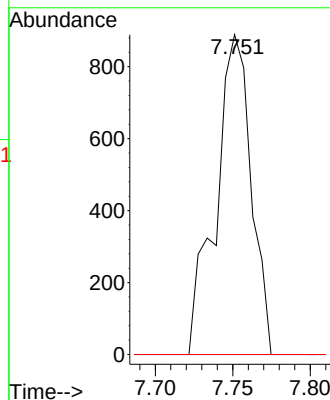
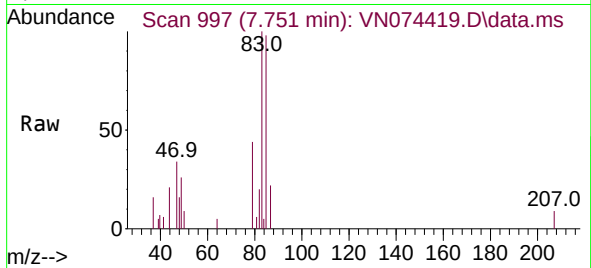




#28
Bromochloromethane
Concen: Below Cal
RT: 7.751 min Scan# 91
Delta R.T. 0.170 min
Lab File: VN074419.D
Acq: 12 Sep 2022 19:36

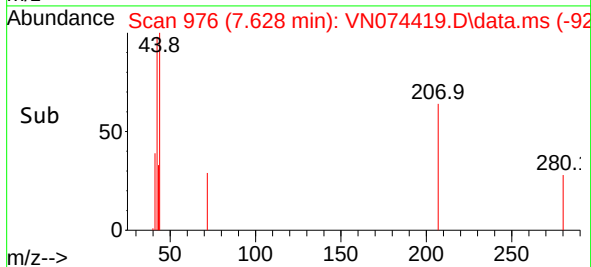
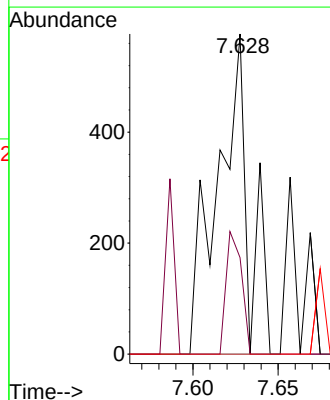
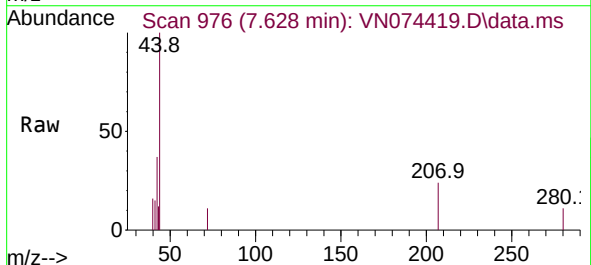
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-EB-20220908-

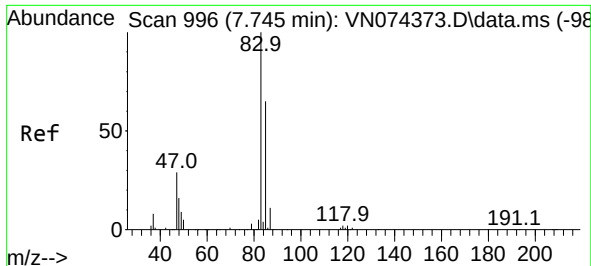
Tgt Ion: 49 Resp: 1414
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 0.0 50.0 75.0#



#29
Tetrahydrofuran
Concen: 0.247 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.018 min
Lab File: VN074419.D
Acq: 12 Sep 2022 19:36

Tgt Ion: 42 Resp: 740
Ion Ratio Lower Upper
42 100
72 18.8 32.7 49.1#
71 0.0 31.0 46.6#

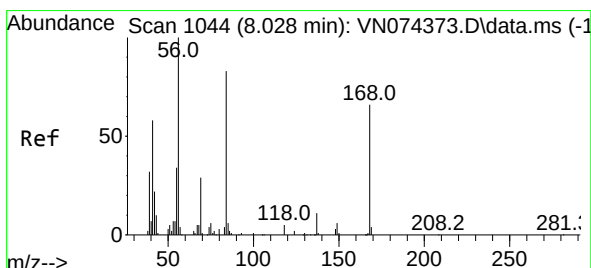
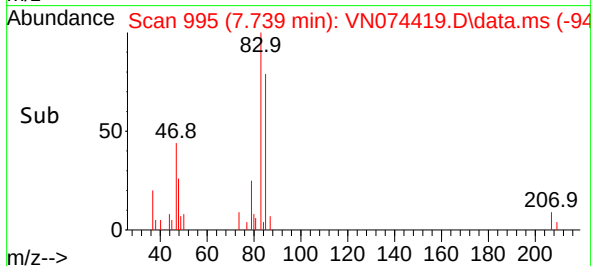
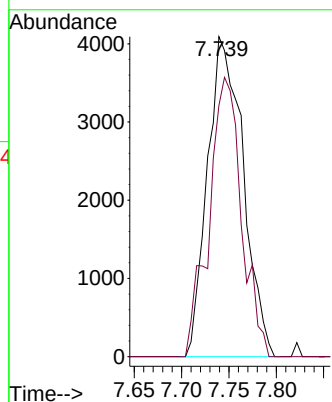
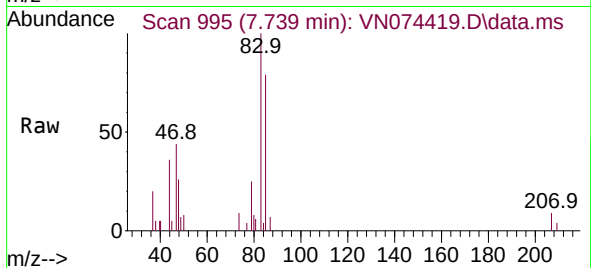




#30
Chloroform
Concen: 1.311 ug/l
RT: 7.739 min Scan# 996
Delta R.T. -0.006 min
Lab File: VN074419.D
Acq: 12 Sep 2022 19:36

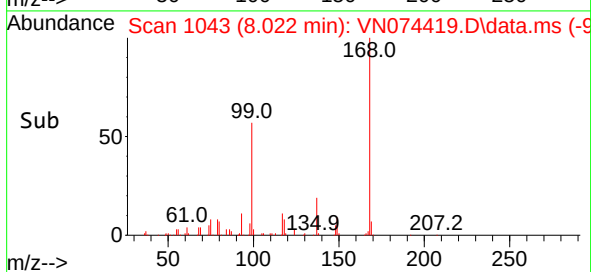
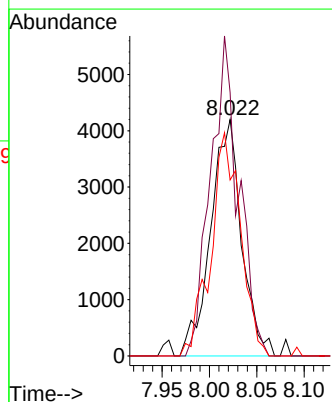
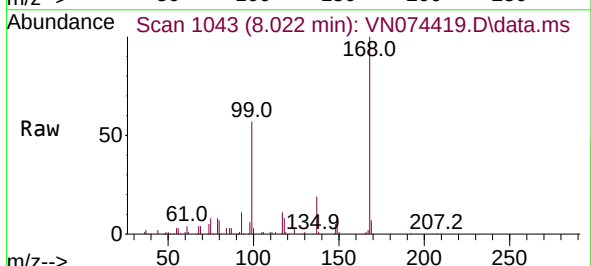
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-EB-20220908-

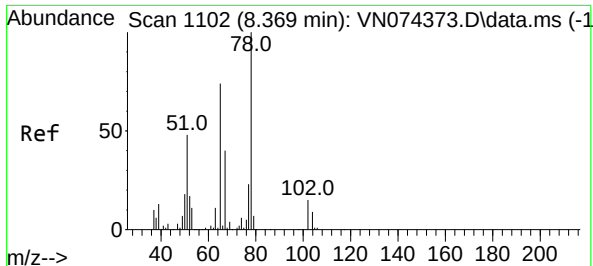
Tgt Ion: 83 Resp: 10711
Ion Ratio Lower Upper
83 100
85 78.5 51.8 77.6#



#31
Cyclohexane
Concen: 1.198 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VN074419.D
Acq: 12 Sep 2022 19:36

Tgt Ion: 56 Resp: 9538
Ion Ratio Lower Upper
56 100
69 111.4 23.0 34.4#
84 74.4 66.3 99.5





#33

1,2-Dichloroethane-d4

Concen: 44.263 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074419.D

Acq: 12 Sep 2022 19:36

Instrument :

MSVOA_N

ClientSampleId :

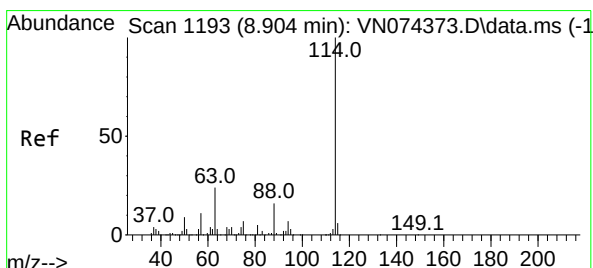
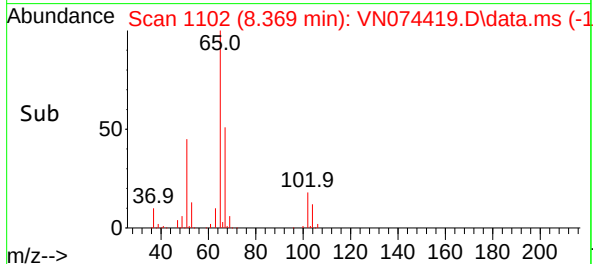
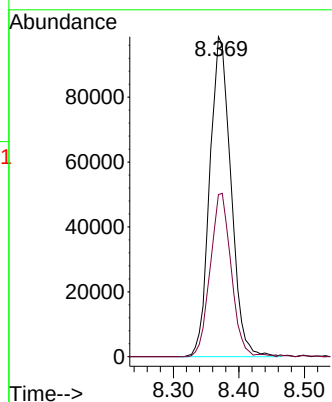
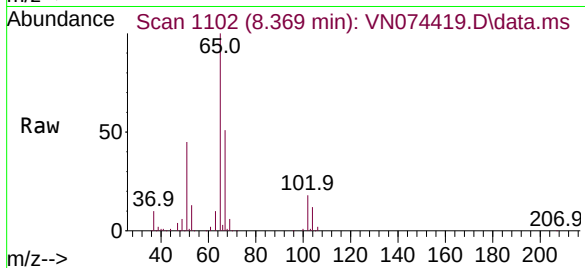
BP-VPB-RW5-GW-EB-20220908-

Tgt Ion: 65 Resp: 221545

Ion Ratio Lower Upper

65 100

67 50.5 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: VN074419.D

Acq: 12 Sep 2022 19:36

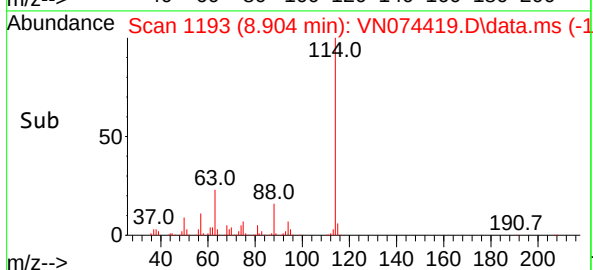
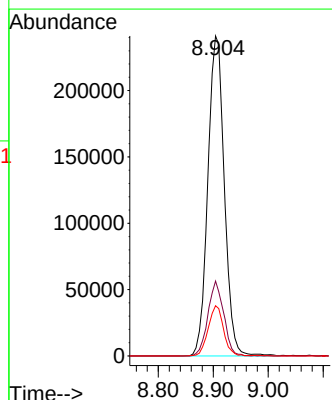
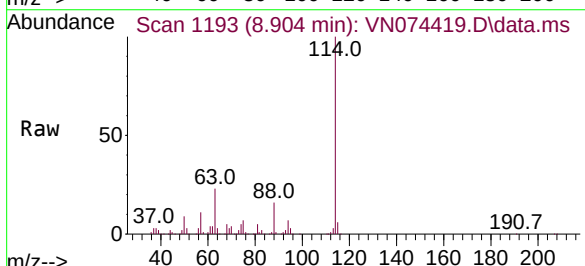
Tgt Ion: 114 Resp: 502789

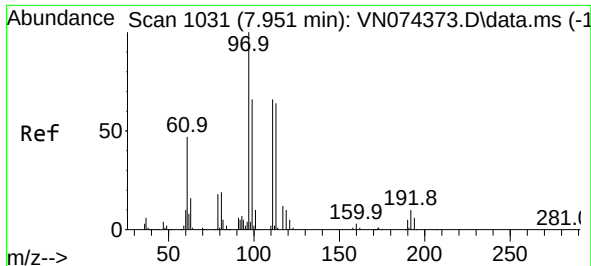
Ion Ratio Lower Upper

114 100

63 23.4 0.0 47.6

88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.775 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074419.D

Acq: 12 Sep 2022 19:36

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MSVOA_N

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BP-VPB-RW5-GW-EB-20220908-

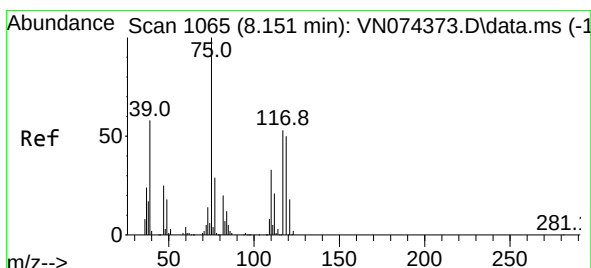
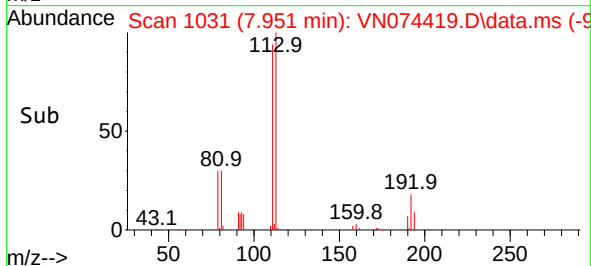
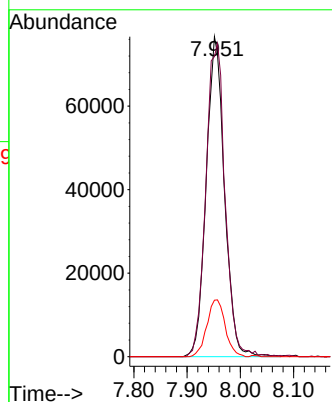
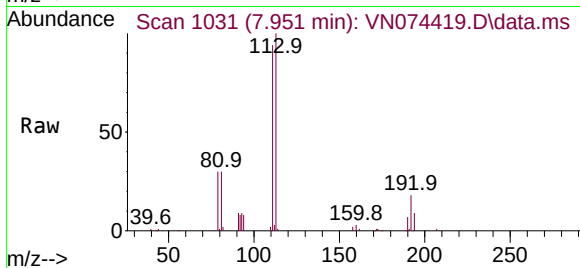
Tgt Ion:113 Resp: 182529

Ion Ratio Lower Upper

113 100

111 103.2 83.0 124.4

192 17.9 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.869 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.141 min

Lab File: VN074419.D

Acq: 12 Sep 2022 19:36

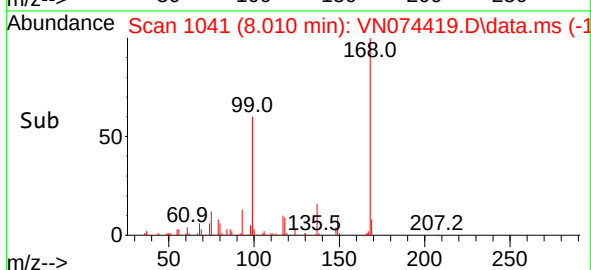
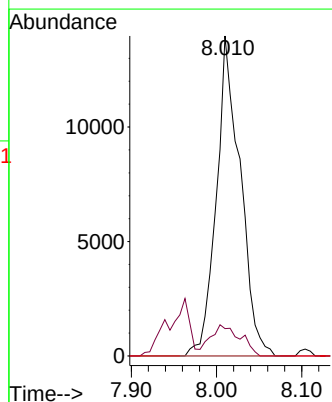
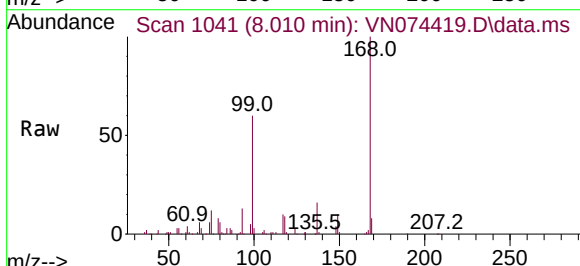
Tgt Ion: 75 Resp: 27228

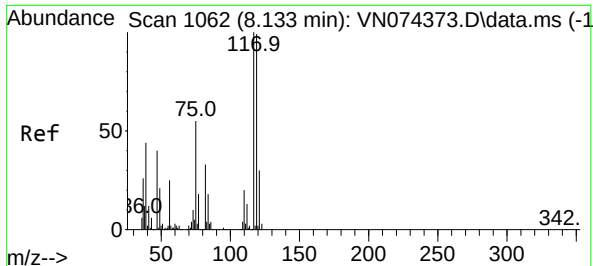
Ion Ratio Lower Upper

75 100

110 12.0 16.4 49.1#

77 0.0 25.4 38.2#

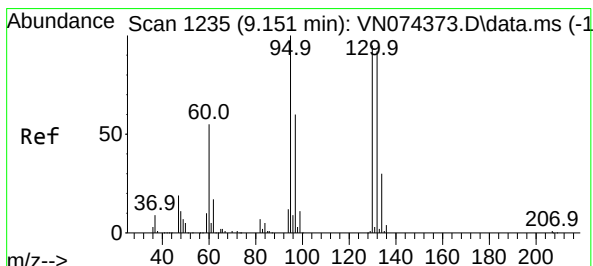
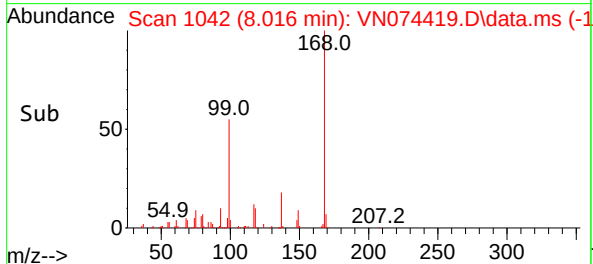
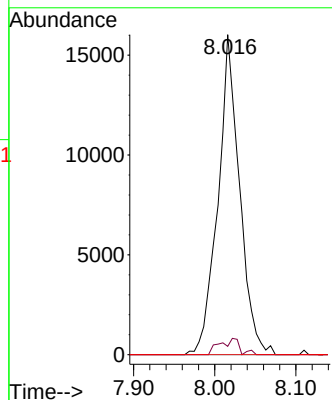
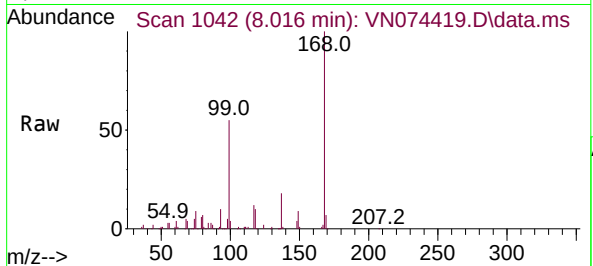




#38
Carbon Tetrachloride
Concen: 5.153 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN074419.D
Acq: 12 Sep 2022 19:36

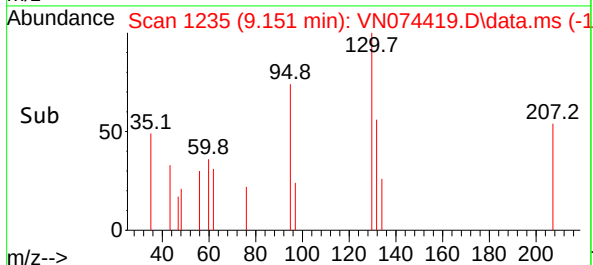
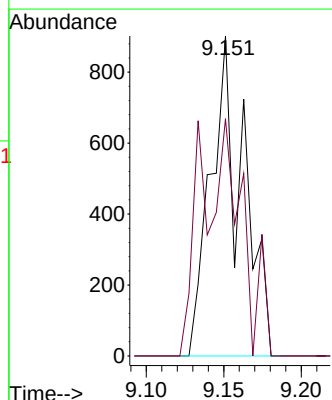
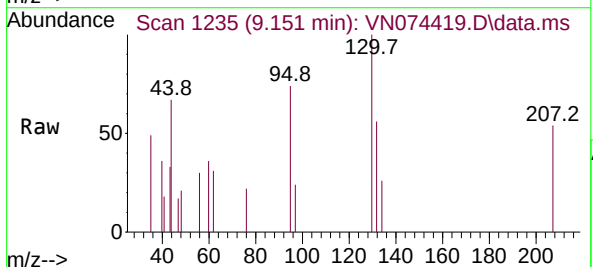
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-EB-20220908-

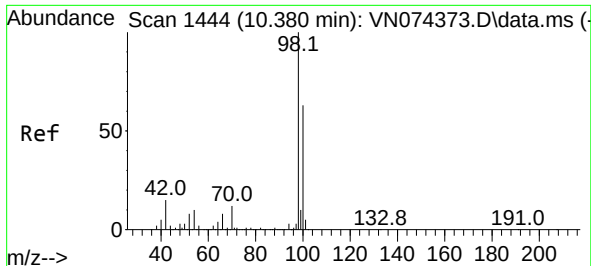
Tgt Ion:117 Resp: 29749
Ion Ratio Lower Upper
117 100
119 2.6 78.8 118.2#
121 0.0 24.1 36.1#



#44
Trichloroethene
Concen: 0.338 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VN074419.D
Acq: 12 Sep 2022 19:36

Tgt Ion:130 Resp: 1298
Ion Ratio Lower Upper
130 100
95 74.2 0.0 210.0

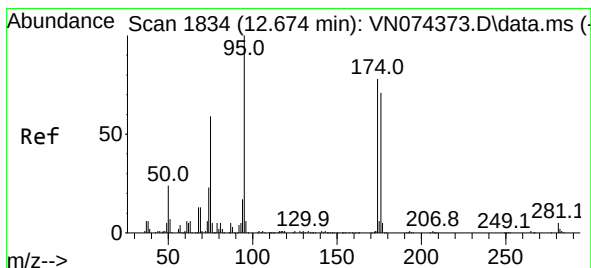
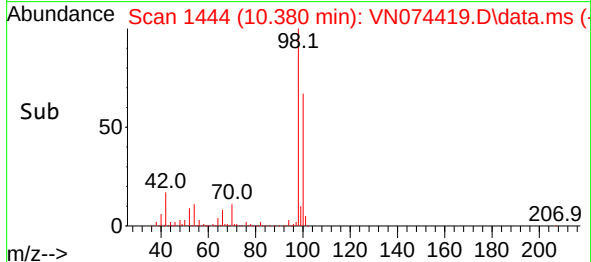
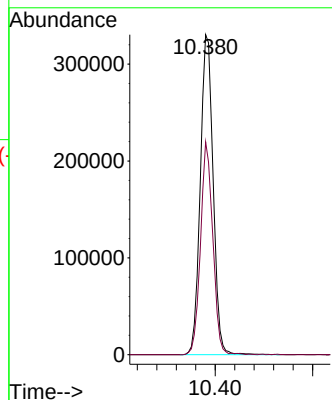
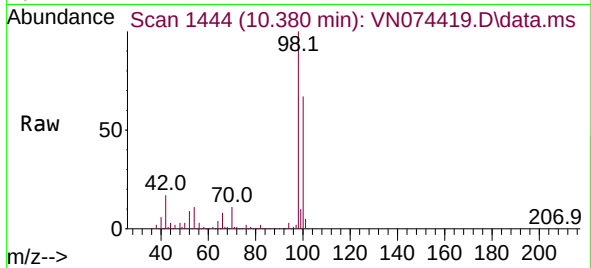




#50
Toluene-d8
Concen: 45.755 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074419.D
Acq: 12 Sep 2022 19:36

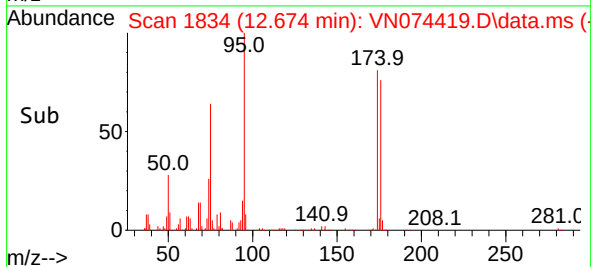
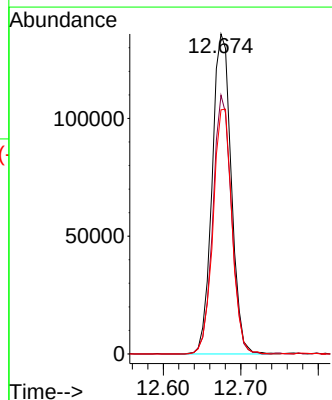
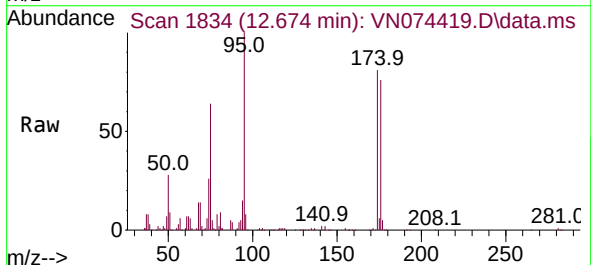
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-EB-20220908-

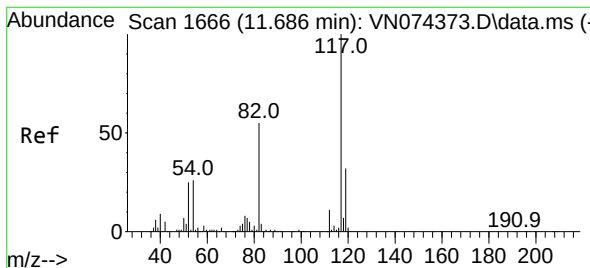
Tgt Ion: 98 Resp: 605153
Ion Ratio Lower Upper
98 100
100 63.6 50.6 76.0



#62
4-Bromofluorobenzene
Concen: 48.563 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074419.D
Acq: 12 Sep 2022 19:36

Tgt Ion: 95 Resp: 233193
Ion Ratio Lower Upper
95 100
174 78.1 0.0 150.6
176 75.8 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: VN074419.D

Acq: 12 Sep 2022 19:36

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW5-GW-EB-20220908-

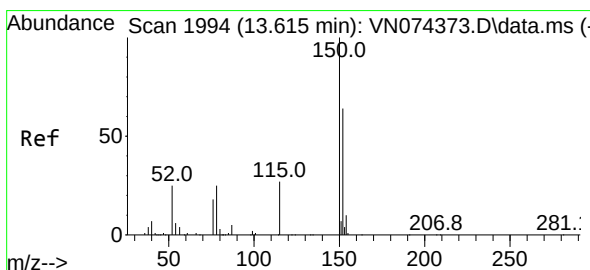
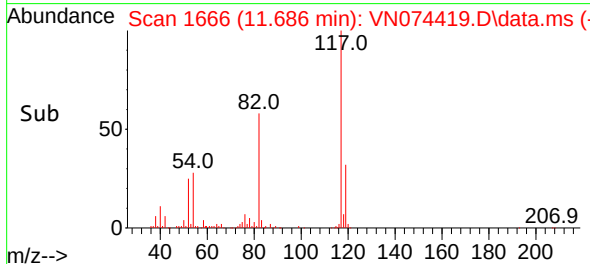
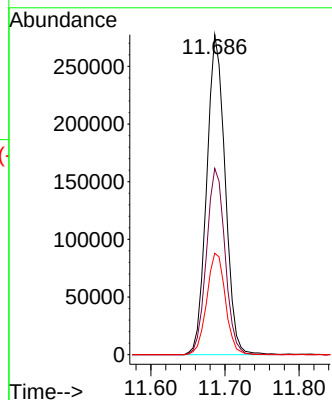
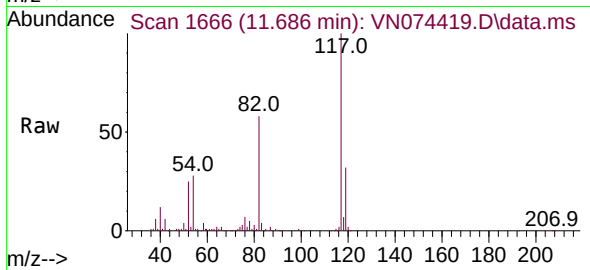
Tgt Ion:117 Resp: 479099

Ion Ratio Lower Upper

117 100

82 58.2 44.3 66.5

119 31.7 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.615 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VN074419.D

Acq: 12 Sep 2022 19:36

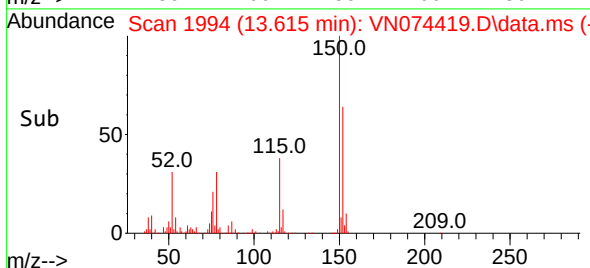
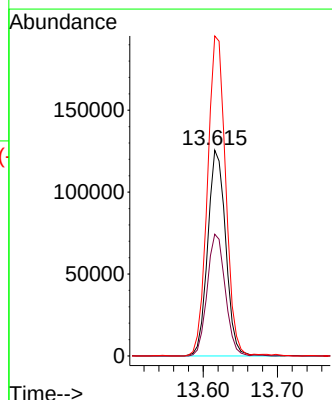
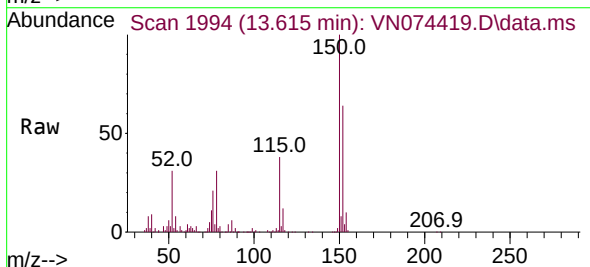
Tgt Ion:152 Resp: 211360

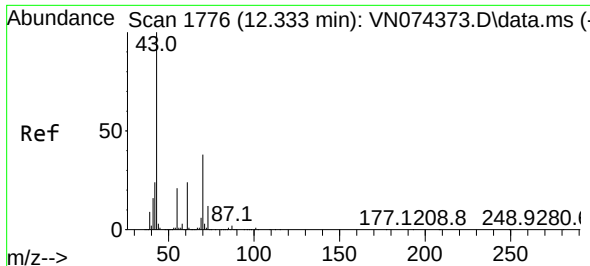
Ion Ratio Lower Upper

152 100

115 59.4 32.0 96.0

150 157.0 0.0 359.6

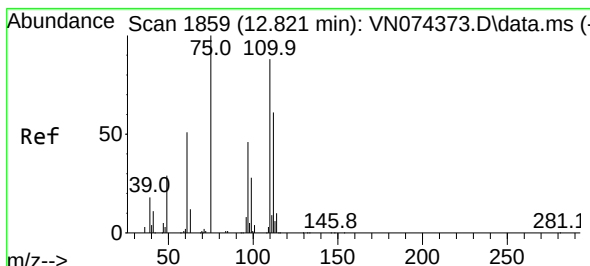
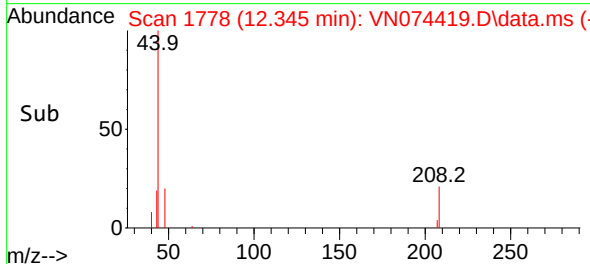
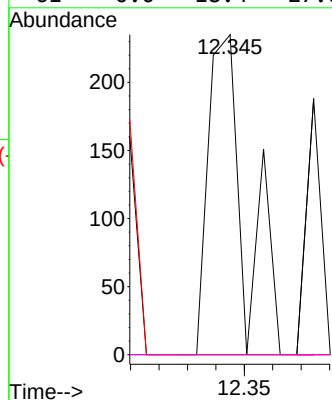
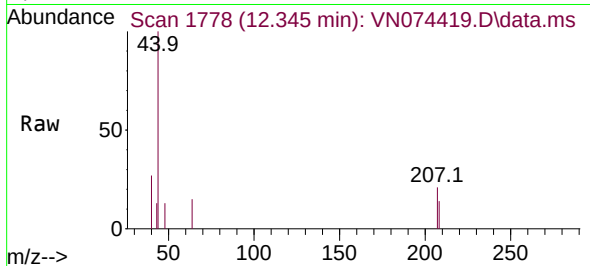




#74
N-amy1 acetate
Concen: Below Cal
RT: 12.345 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN074419.D
Acq: 12 Sep 2022 19:36

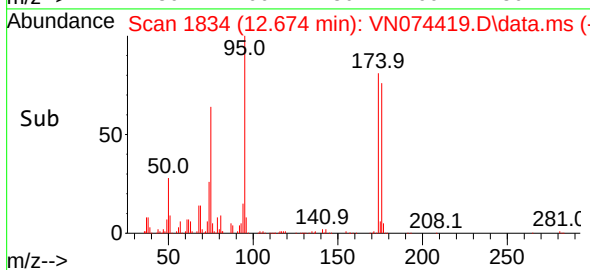
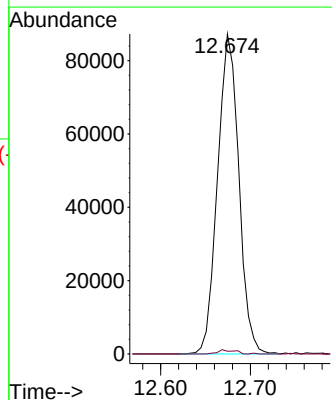
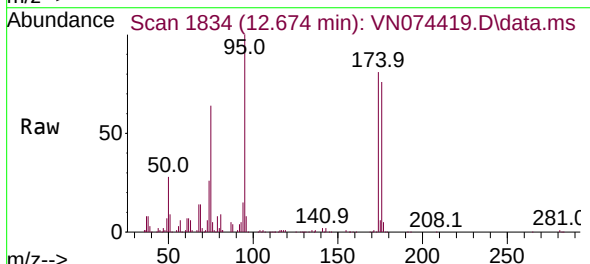
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-EB-20220908-

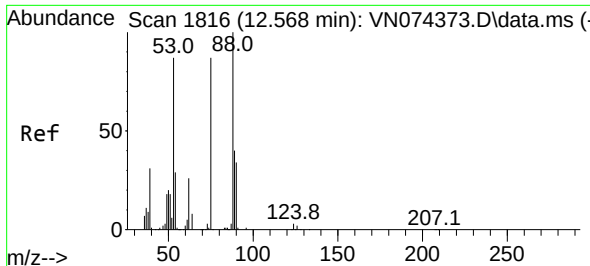
Tgt Ion: 43	Resp: 214
Ion Ratio	Lower Upper
43 100	
70 0.0	31.4 47.0#
55 0.0	17.0 25.6#
61 0.0	18.4 27.6#



#76
1,2,3-Trichloropropane
Concen: 26.039 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074419.D
Acq: 12 Sep 2022 19:36

Tgt Ion: 75	Resp: 143871
Ion Ratio	Lower Upper
75 100	
77 1.0	78.9 236.7#

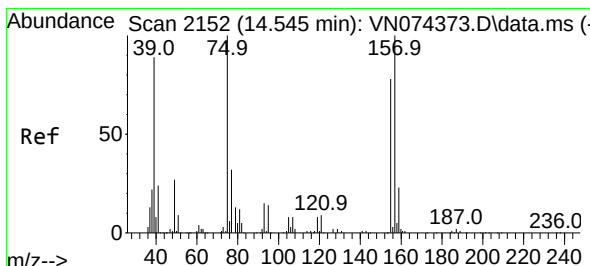
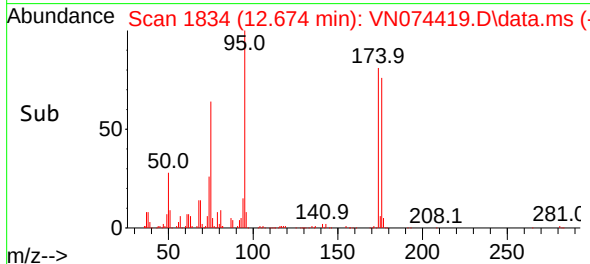
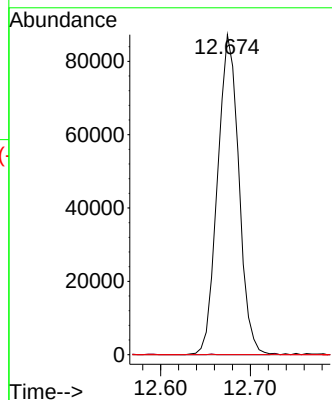
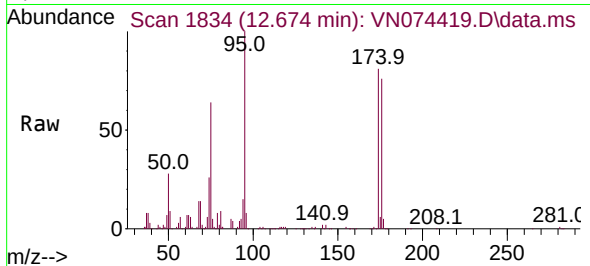




#81
trans-1,4-Dichloro-2-butene
Concen: 58.039 ug/l
RT: 12.674 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN074419.D
Acq: 12 Sep 2022 19:36

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-EB-20220908-

Tgt Ion: 75 Resp: 143871
Ion Ratio Lower Upper
75 100
53 0.1 82.2 123.2#
89 0.0 37.7 56.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.633 min Scan# 2167
Delta R.T. 0.088 min
Lab File: VN074419.D
Acq: 12 Sep 2022 19:36

Tgt Ion: 75 Resp: 61
Ion Ratio Lower Upper
75 100
155 0.0 36.6 109.9#
157 0.0 46.2 138.5#

