

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091222\
 Data File : VN074417.D
 Acq On : 12 Sep 2022 18:46
 Operator : JC\MD
 Sample : N4458-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-278-280

Quant Time: Sep 13 06:27:33 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)

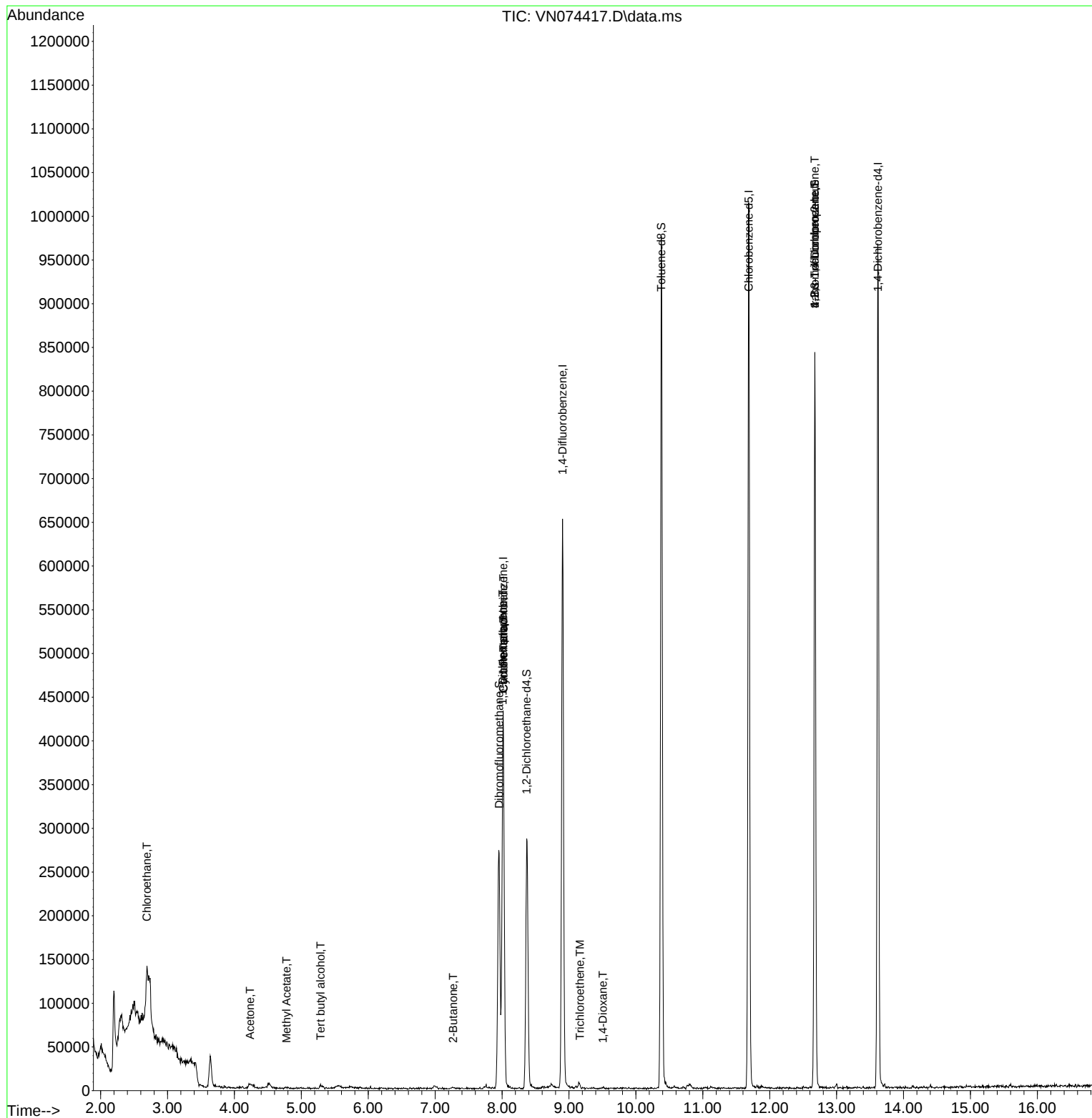
Internal Standards						
1) Pentafluorobenzene	8.016	168	300574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	524730	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	507218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	237492	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	224027	43.079	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.160%
35) Dibromofluoromethane	7.957	113	187512	52.933	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.860%
50) Toluene-d8	10.380	98	625883	45.344	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.680%
62) 4-Bromofluorobenzene	12.674	95	250799	50.046	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.100%
Target Compounds						
					Qvalue	
3) Chloromethane	2.257	50	1053	Below Cal	#	81
6) Chloroethane	2.693	64	39581	6.020	ug/l #	51
11) Tert butyl alcohol	5.287	59	2461	1.809	ug/l #	79
16) Acetone	4.234	43	8758	3.119	ug/l #	79
18) Methyl Acetate	4.781	43	1814	0.219	ug/l #	80
20) Methylene Chloride	5.016	84	73	Below Cal	#	9
25) 2-Butanone	7.269	43	1969	0.418	ug/l #	52
31) Cyclohexane	8.022	56	9270	1.121	ug/l #	58
36) 1,1-Dichloropropene	8.010	75	28483	4.881	ug/l #	50
38) Carbon Tetrachloride	8.022	117	32676	5.423	ug/l #	13
44) Trichloroethene	9.163	130	2339	0.584	ug/l	32
49) 1,4-Dioxane	9.504	88	585	4.550	ug/l #	75
74) N-amyl acetate	12.327	43	234	Below Cal	#	45
76) 1,2,3-Trichloropropane	12.674	75	151587	24.416	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	151587	54.423	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.686	75	58	Below Cal	#	8

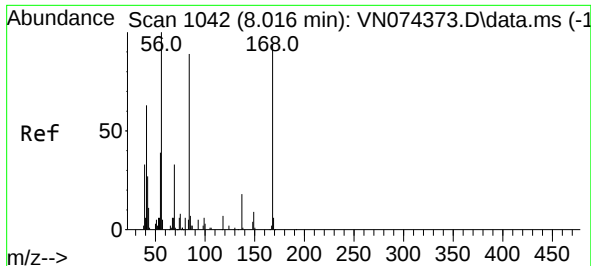
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 10 06:10:29 2022
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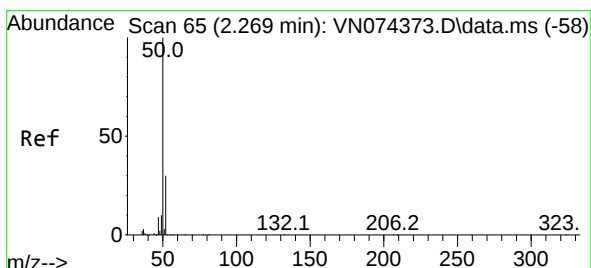
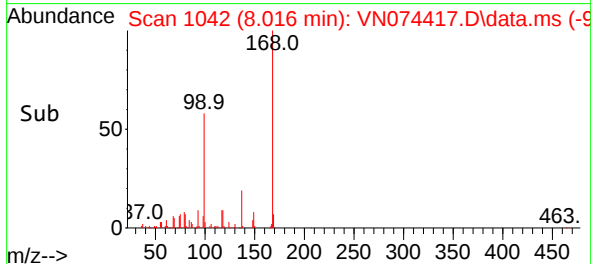
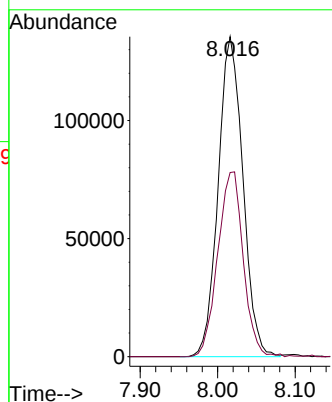
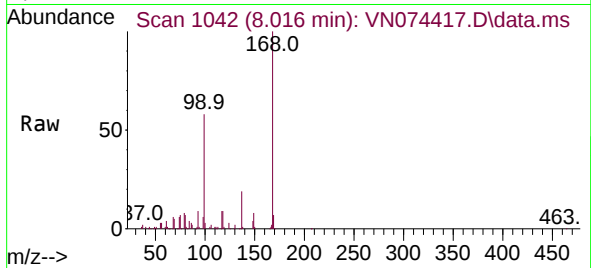




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074417.D
Acq: 12 Sep 2022 18:46

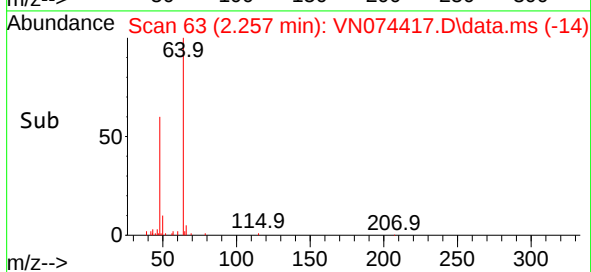
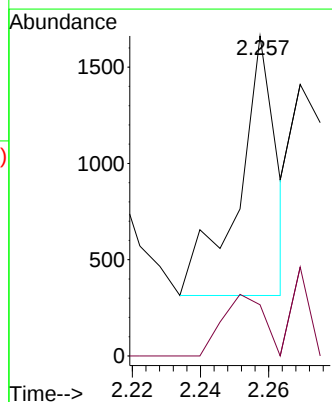
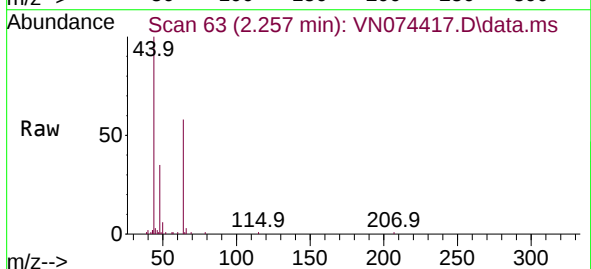
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-278-280

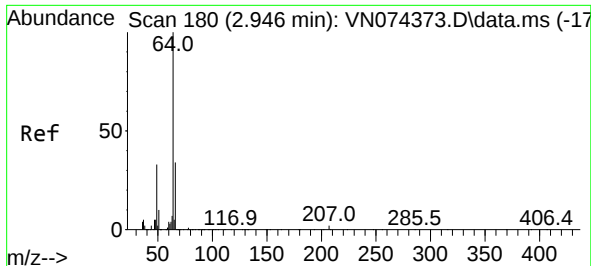
Tgt Ion:168 Resp: 300574
Ion Ratio Lower Upper
168 100
99 57.6 52.8 79.2



#3
Chloromethane
Concen: Below Cal
RT: 2.257 min Scan# 63
Delta R.T. -0.012 min
Lab File: VN074417.D
Acq: 12 Sep 2022 18:46

Tgt Ion: 50 Resp: 1053
Ion Ratio Lower Upper
50 100
52 19.7 24.1 36.1#

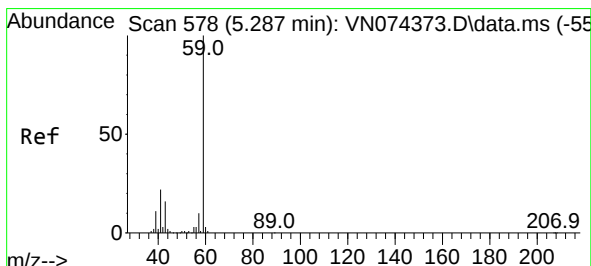
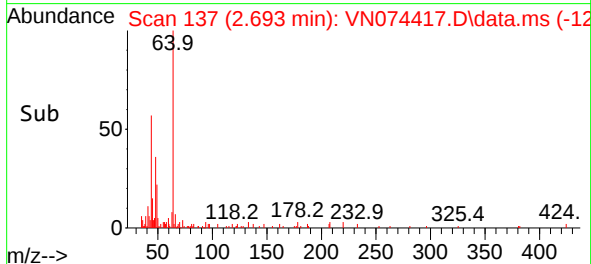
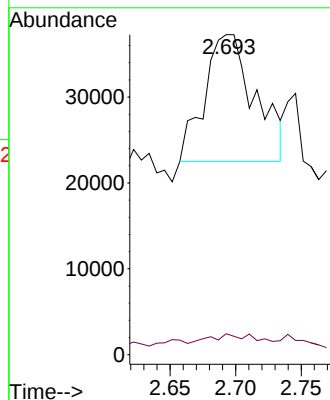
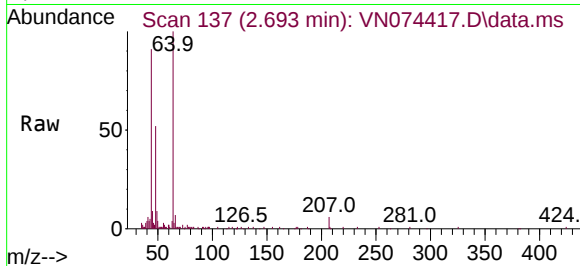




#6
Chloroethane
Concen: 6.020 ug/l
RT: 2.693 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN074417.D
Acq: 12 Sep 2022 18:46

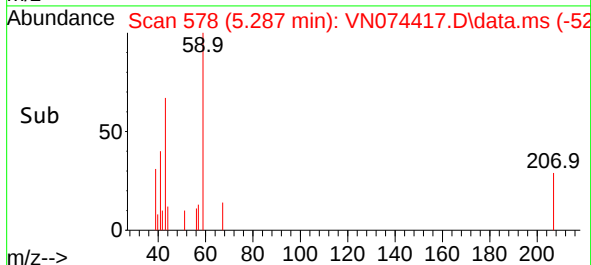
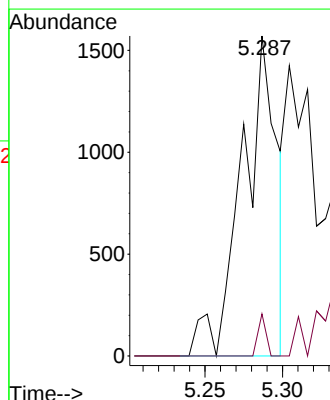
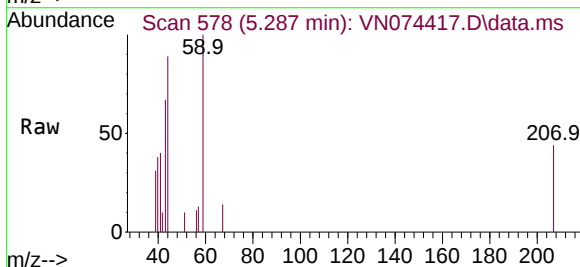
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-278-280

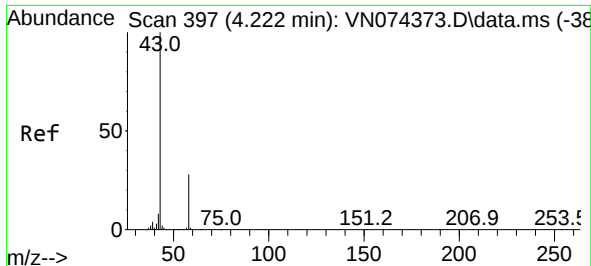
Tgt Ion: 64 Resp: 39581
Ion Ratio Lower Upper
64 100
66 5.6 26.5 39.7#



#11
Tert butyl alcohol
Concen: 1.809 ug/l
RT: 5.287 min Scan# 578
Delta R.T. 0.000 min
Lab File: VN074417.D
Acq: 12 Sep 2022 18:46

Tgt Ion: 59 Resp: 2461
Ion Ratio Lower Upper
59 100
57 3.0 8.8 13.2#

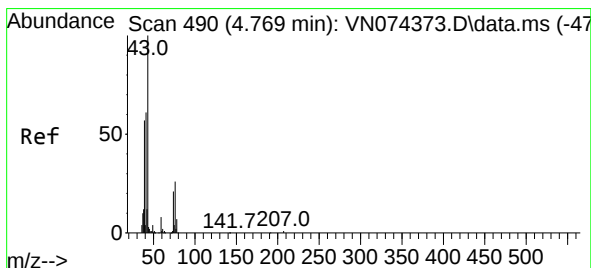
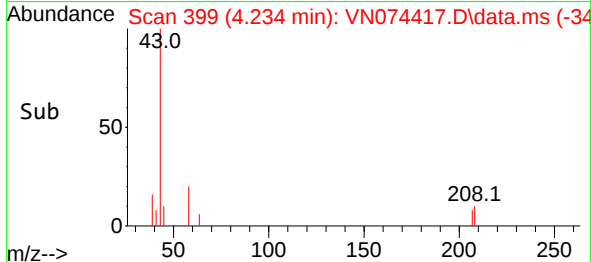
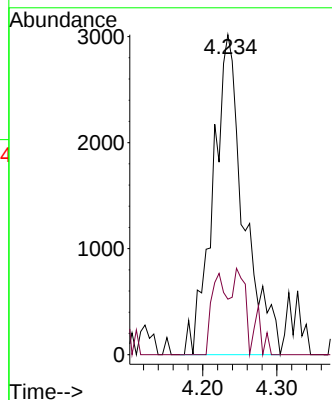
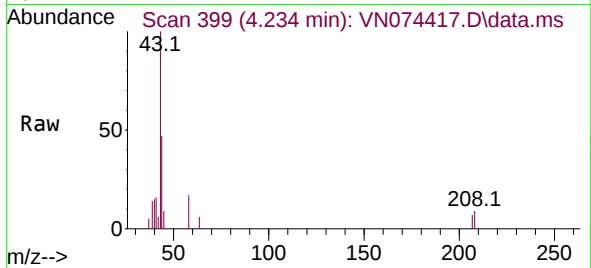




#16
Acetone
Concen: 3.119 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN074417.D
Acq: 12 Sep 2022 18:46

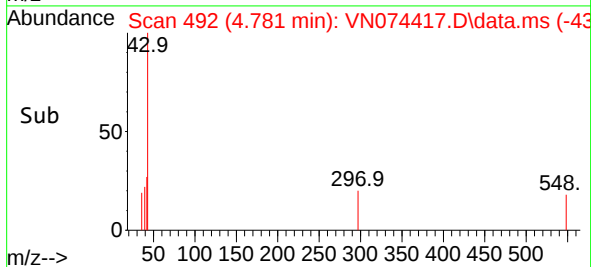
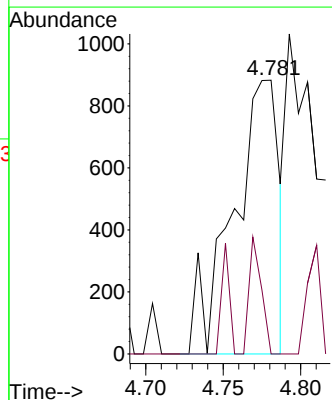
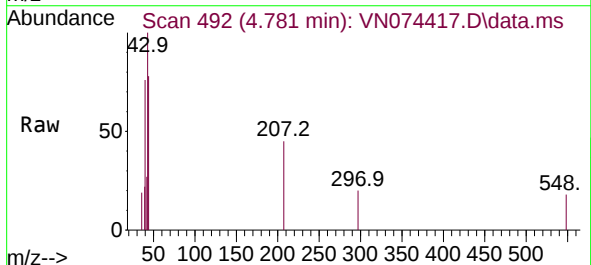
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-278-280

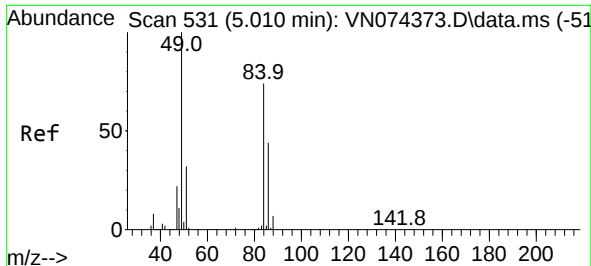
Tgt Ion: 43 Resp: 8758
Ion Ratio Lower Upper
43 100
58 17.3 22.7 34.1#



#18
Methyl Acetate
Concen: 0.219 ug/l
RT: 4.781 min Scan# 492
Delta R.T. 0.012 min
Lab File: VN074417.D
Acq: 12 Sep 2022 18:46

Tgt Ion: 43 Resp: 1814
Ion Ratio Lower Upper
43 100
74 11.4 16.7 25.1#

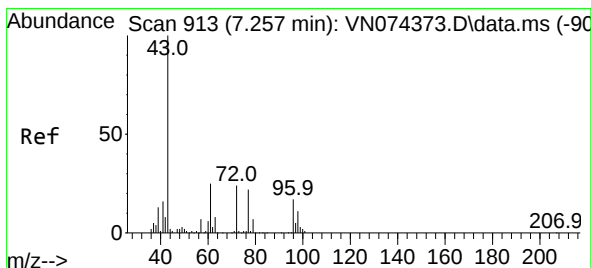
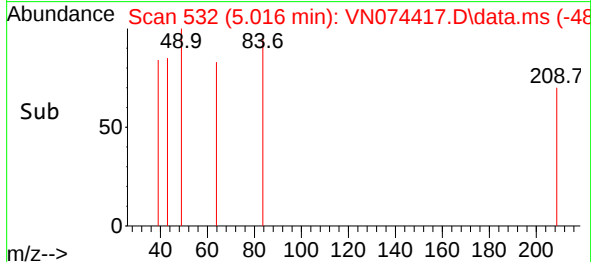
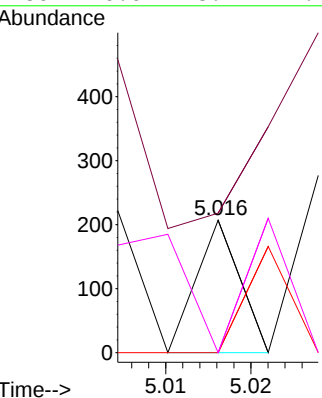
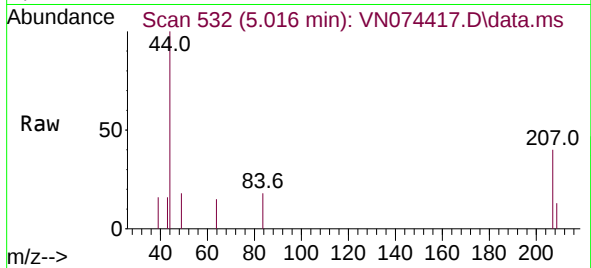




#20
Methylene Chloride
Concen: Below Cal
RT: 5.016 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN074417.D
Acq: 12 Sep 2022 18:46

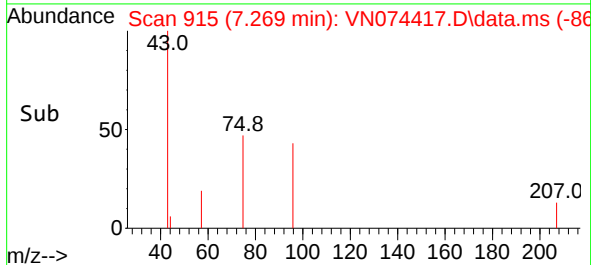
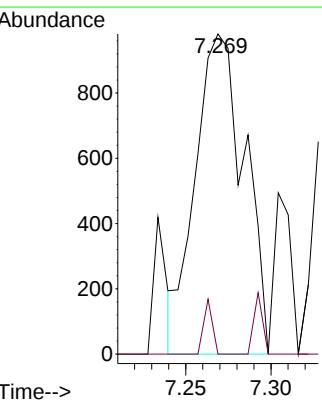
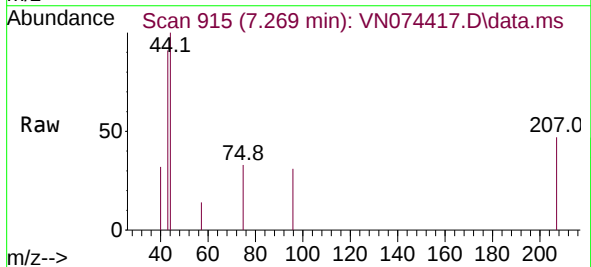
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-278-280

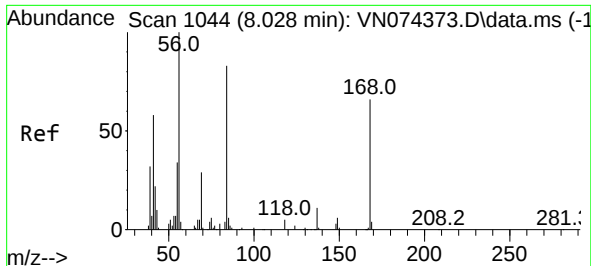
Tgt Ion: 84 Resp: 73
Ion Ratio Lower Upper
84 100
49 11.6 108.2 162.4#
51 0.0 34.3 51.5#
86 0.0 48.2 72.2#



#25
2-Butanone
Concen: 0.418 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN074417.D
Acq: 12 Sep 2022 18:46

Tgt Ion: 43 Resp: 1969
Ion Ratio Lower Upper
43 100
72 0.0 18.9 28.3#

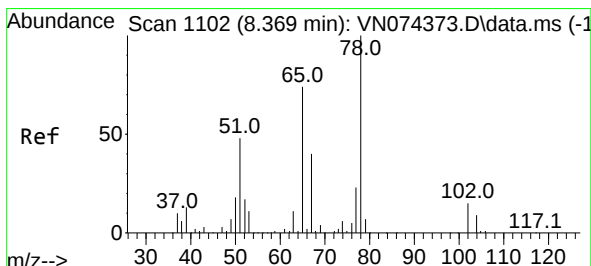
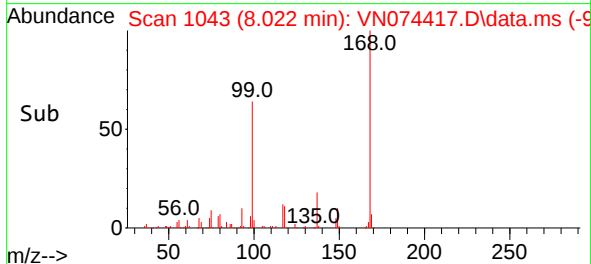
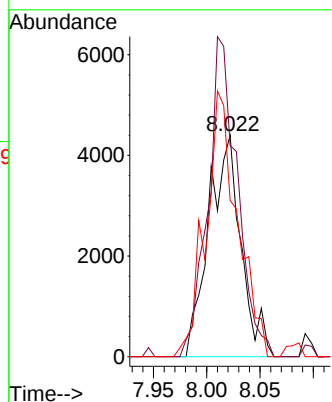
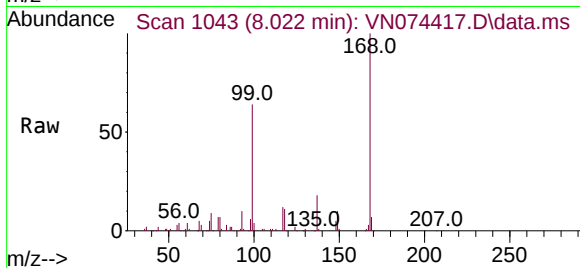




#31
Cyclohexane
Concen: 1.121 ug/l
RT: 8.022 min Scan# 1044
Delta R.T. -0.006 min
Lab File: VN074417.D
Acq: 12 Sep 2022 18:46

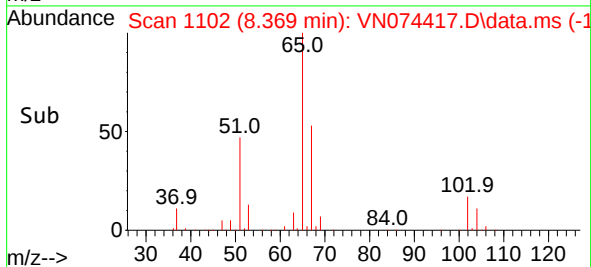
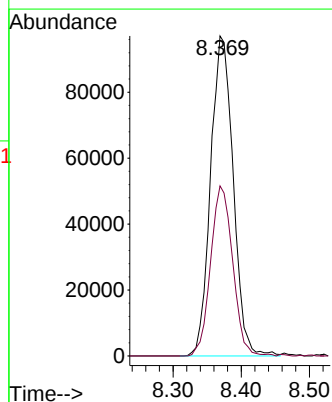
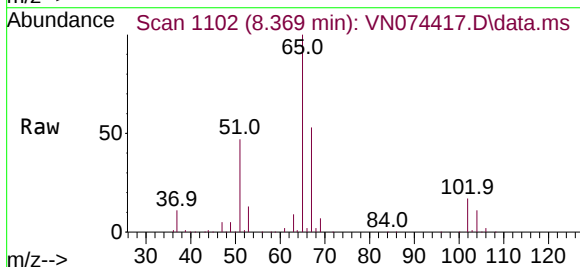
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-278-280

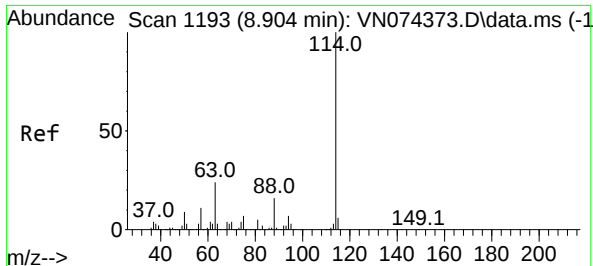
Tgt Ion: 56 Resp: 9270
Ion Ratio Lower Upper
56 100
69 95.4 23.0 34.4#
84 70.7 66.3 99.5



#33
1,2-Dichloroethane-d4
Concen: 43.079 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN074417.D
Acq: 12 Sep 2022 18:46

Tgt Ion: 65 Resp: 224027
Ion Ratio Lower Upper
65 100
67 51.9 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: VN074417.D

Acq: 12 Sep 2022 18:46

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW5-GW-278-280

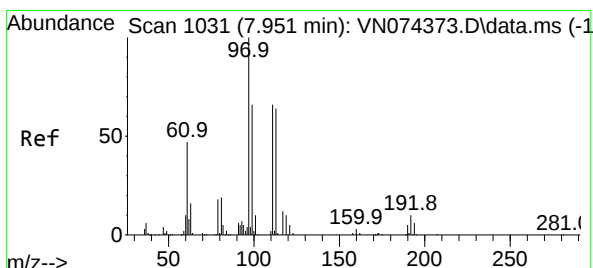
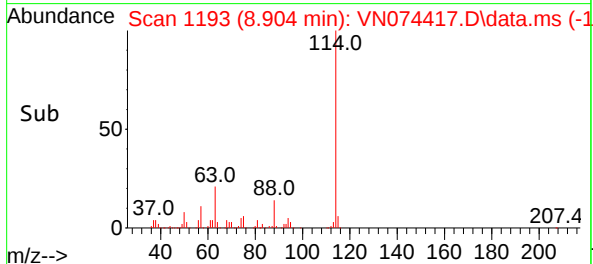
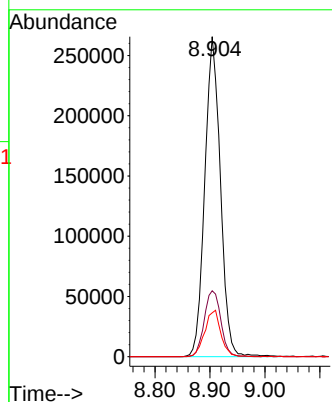
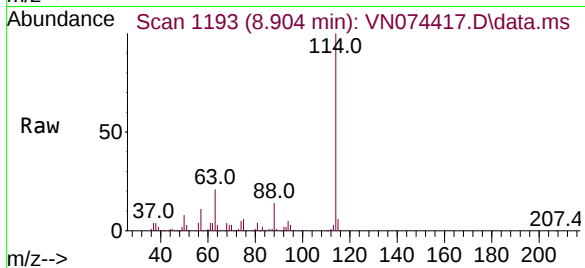
Tgt Ion:114 Resp: 524730

Ion Ratio Lower Upper

114 100

63 20.6 0.0 47.6

88 13.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.933 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN074417.D

Acq: 12 Sep 2022 18:46

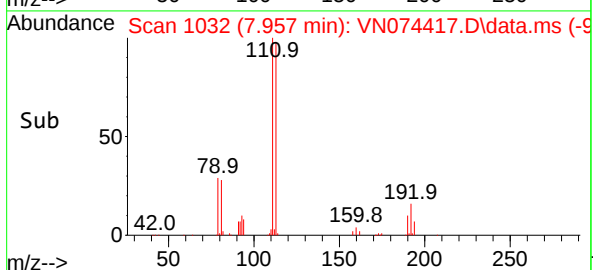
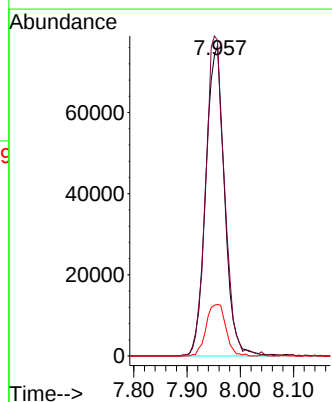
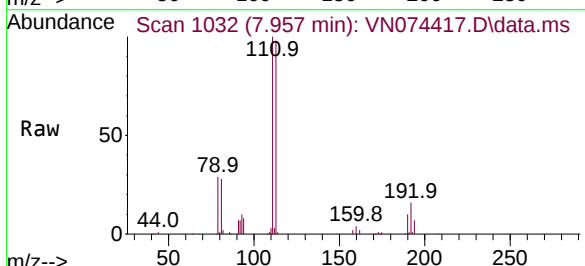
Tgt Ion:113 Resp: 187512

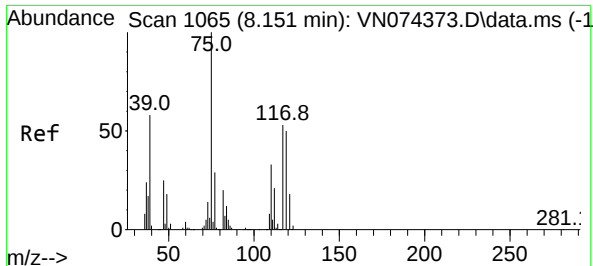
Ion Ratio Lower Upper

113 100

111 102.8 83.0 124.4

192 17.4 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.881 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.141 min

Lab File: VN074417.D

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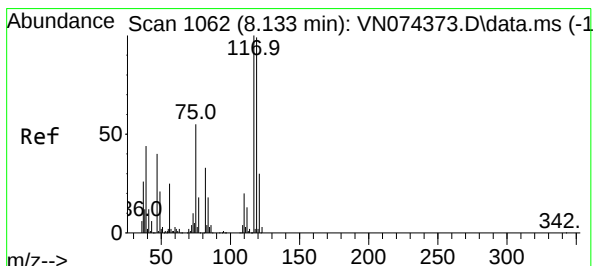
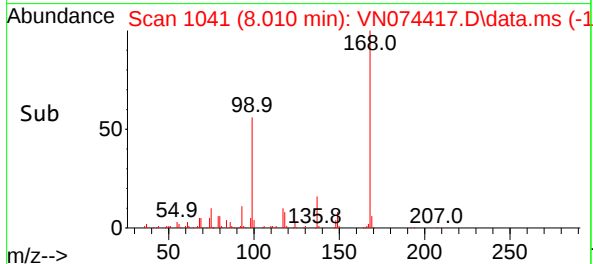
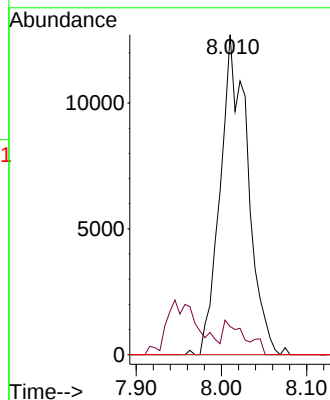
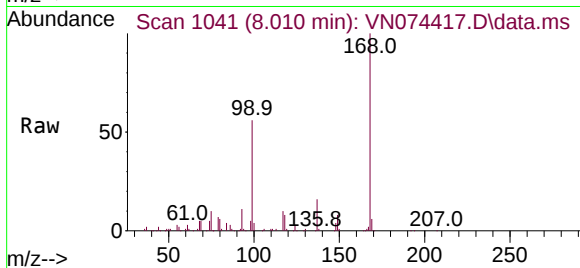
Tgt Ion: 75 Resp: 28483

Ion Ratio Lower Upper

75 100

110 8.5 16.4 49.1#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 5.423 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.112 min

Lab File: VN074417.D

Acq: 12 Sep 2022 18:46

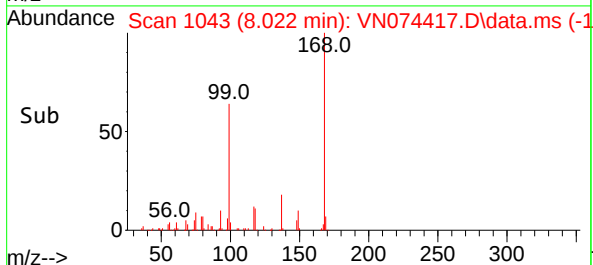
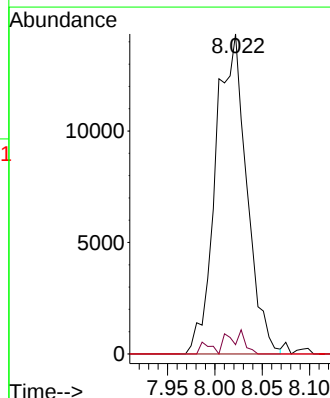
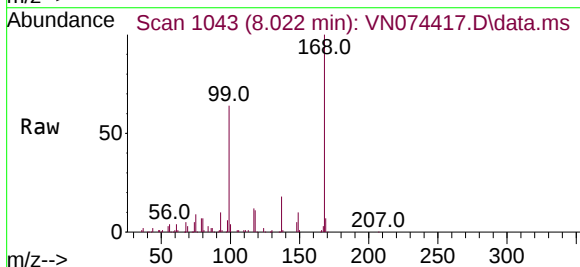
Tgt Ion: 117 Resp: 32676

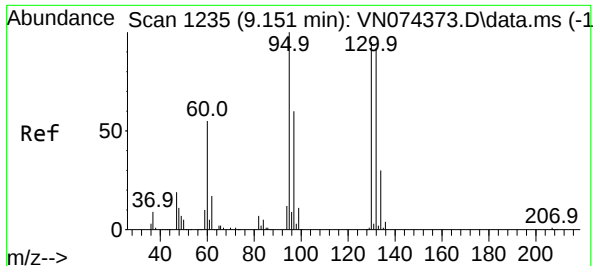
Ion Ratio Lower Upper

117 100

119 2.9 78.8 118.2#

121 0.0 24.1 36.1#

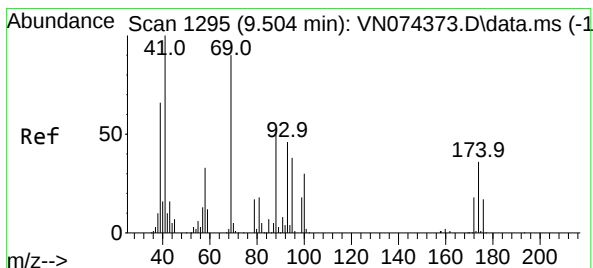
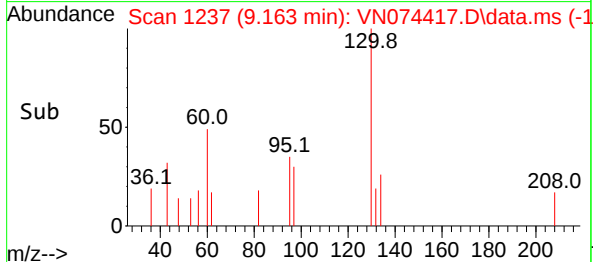
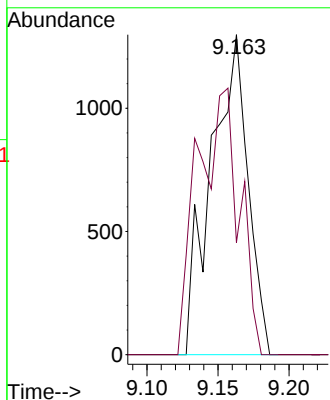
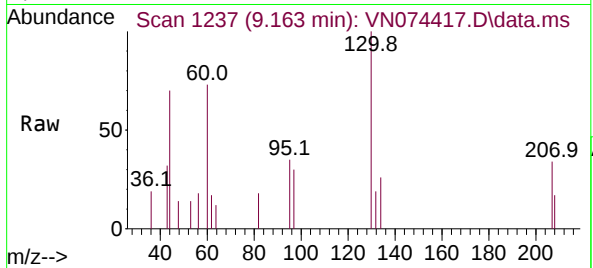




#44
Trichloroethene
Concen: 0.584 ug/l
RT: 9.163 min Scan# 1237
Delta R.T. 0.012 min
Lab File: VN074417.D
Acq: 12 Sep 2022 18:46

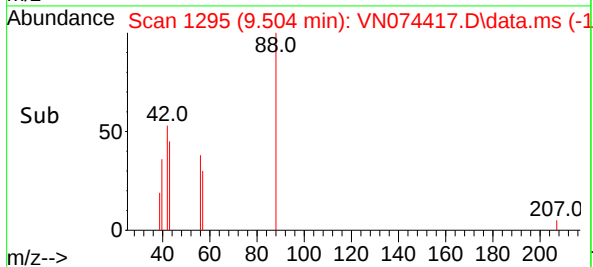
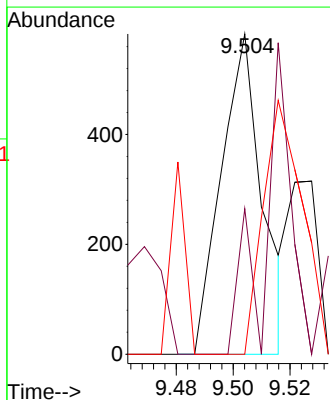
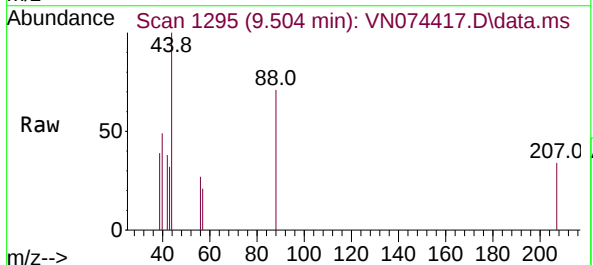
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-278-280

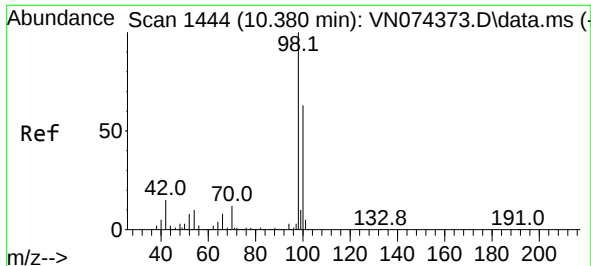
Tgt Ion:130 Resp: 2339
Ion Ratio Lower Upper
130 100
95 35.0 0.0 210.0



#49
1,4-Dioxane
Concen: 4.550 ug/l
RT: 9.504 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VN074417.D
Acq: 12 Sep 2022 18:46

Tgt Ion: 88 Resp: 585
Ion Ratio Lower Upper
88 100
43 62.2 26.9 40.3#
58 75.4 52.7 79.1

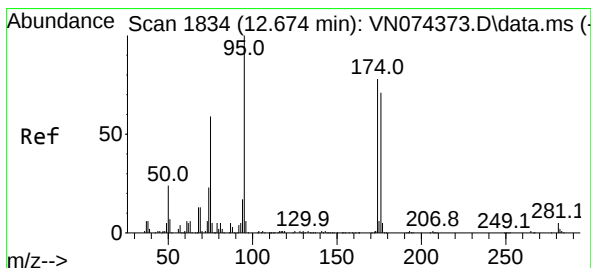
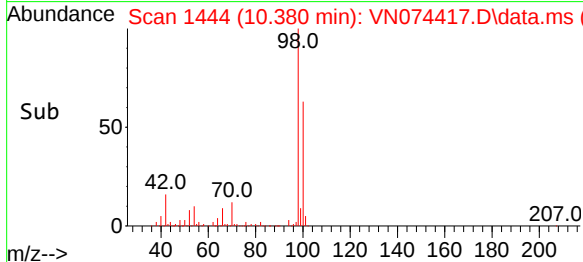
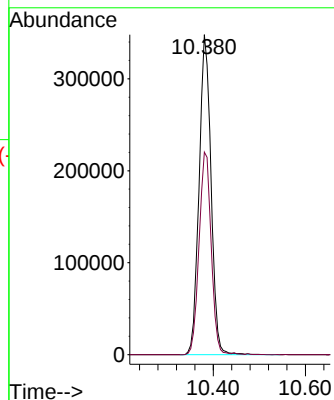
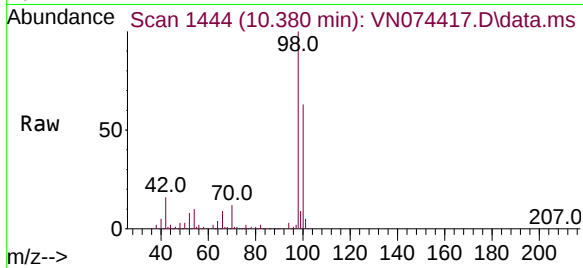




#50
Toluene-d8
Concen: 45.344 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074417.D
Acq: 12 Sep 2022 18:46

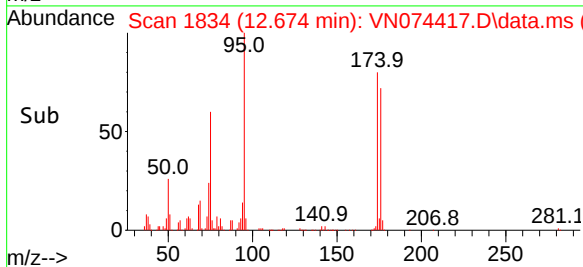
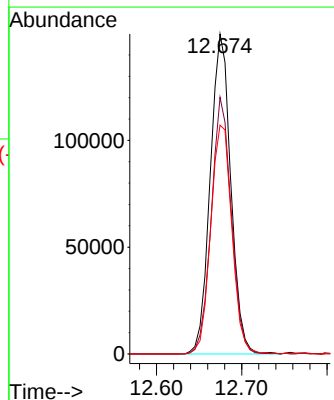
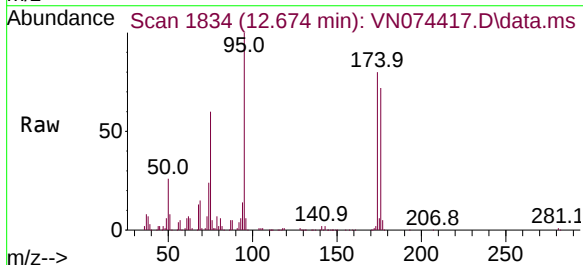
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-278-280

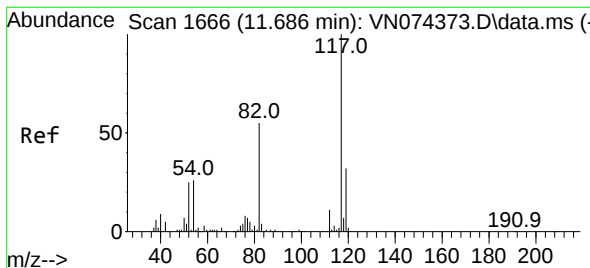
Tgt Ion: 98 Resp: 625883
Ion Ratio Lower Upper
98 100
100 64.2 50.6 76.0



#62
4-Bromofluorobenzene
Concen: 50.046 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074417.D
Acq: 12 Sep 2022 18:46

Tgt Ion: 95 Resp: 250799
Ion Ratio Lower Upper
95 100
174 78.3 0.0 150.6
176 73.6 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: VN074417.D

Acq: 12 Sep 2022 18:46

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW5-GW-278-280

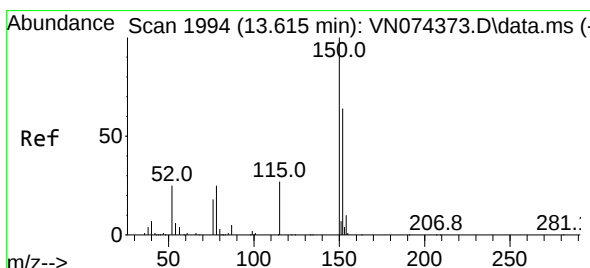
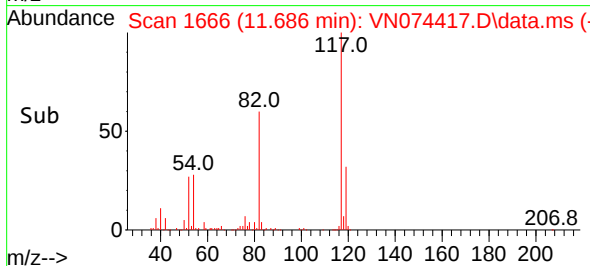
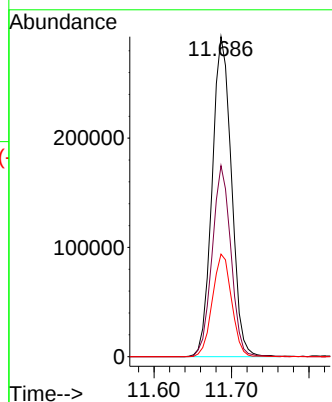
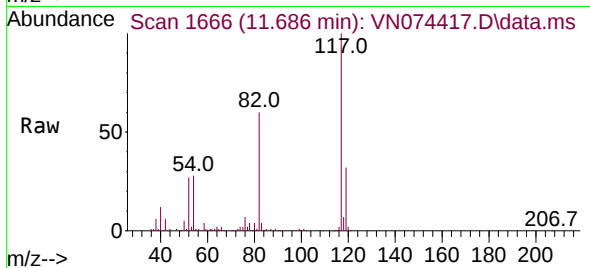
Tgt Ion:117 Resp: 507218

Ion Ratio Lower Upper

117 100

82 59.7 44.3 66.5

119 32.1 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.616 min Scan# 1994

Delta R.T. 0.001 min

Lab File: VN074417.D

Acq: 12 Sep 2022 18:46

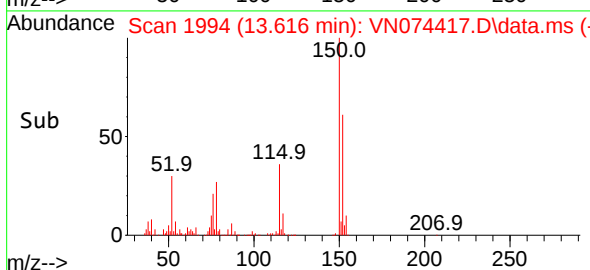
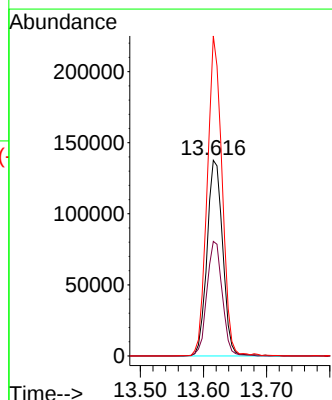
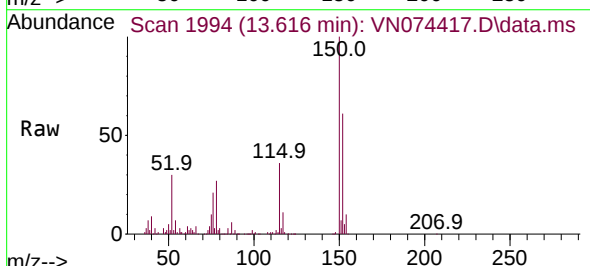
Tgt Ion:152 Resp: 237492

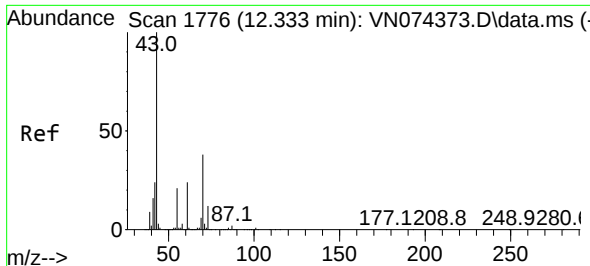
Ion Ratio Lower Upper

152 100

115 57.4 32.0 96.0

150 154.5 0.0 359.6

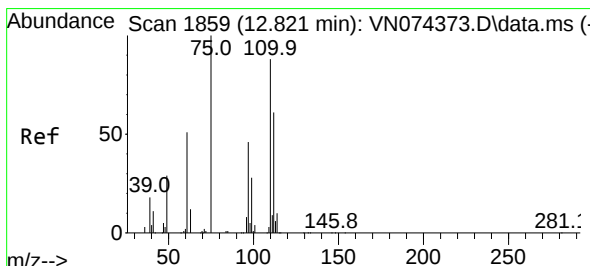
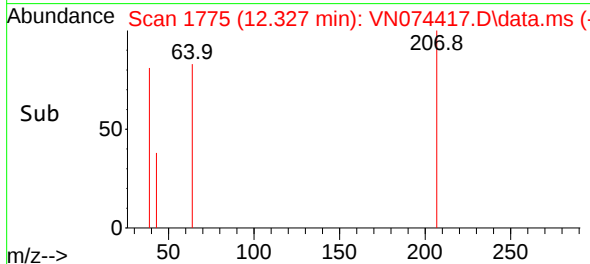
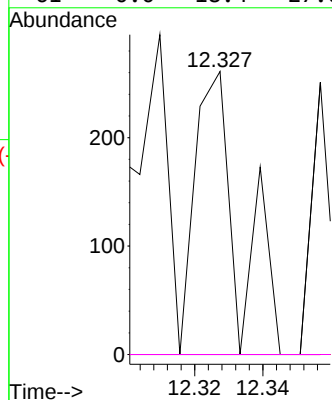
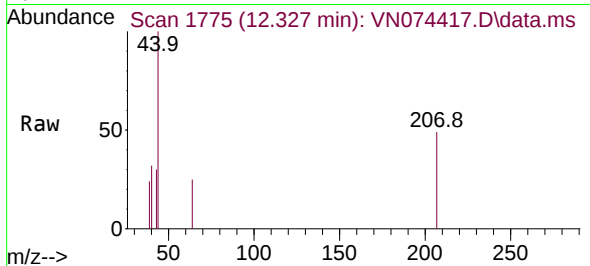




#74
N-amy1 acetate
Concen: Below Cal
RT: 12.327 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074417.D
Acq: 12 Sep 2022 18:46

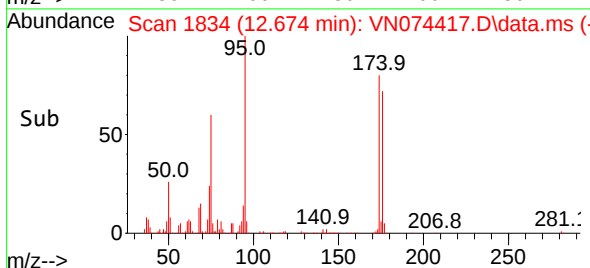
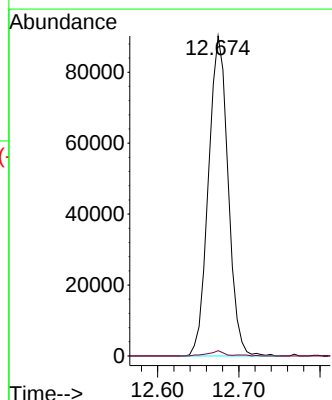
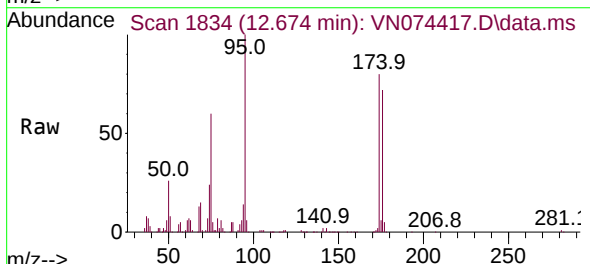
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-278-280

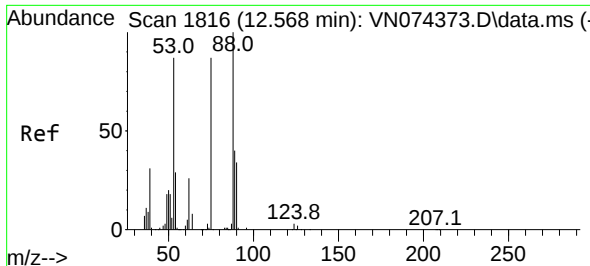
Tgt Ion: 43	Resp: 234
Ion Ratio	Lower Upper
43 100	
70 0.0	31.4 47.0#
55 0.0	17.0 25.6#
61 0.0	18.4 27.6#



#76
1,2,3-Trichloropropane
Concen: 24.416 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074417.D
Acq: 12 Sep 2022 18:46

Tgt Ion: 75	Resp: 151587
Ion Ratio	Lower Upper
75 100	
77 1.3	78.9 236.7#

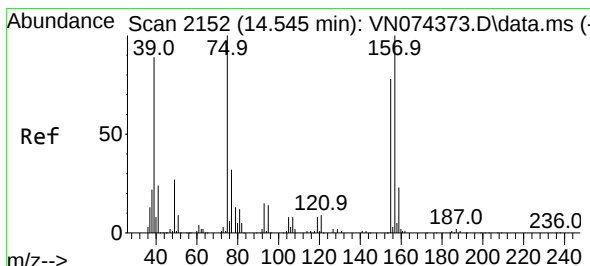
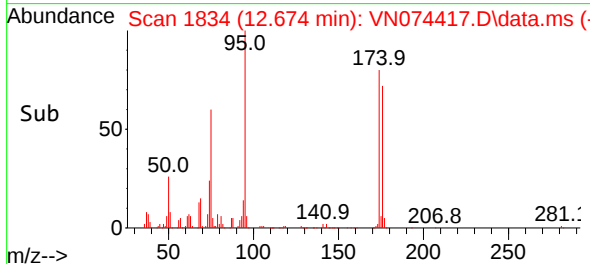
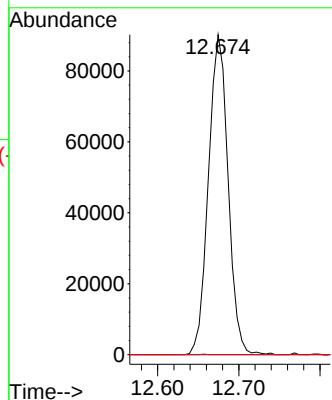
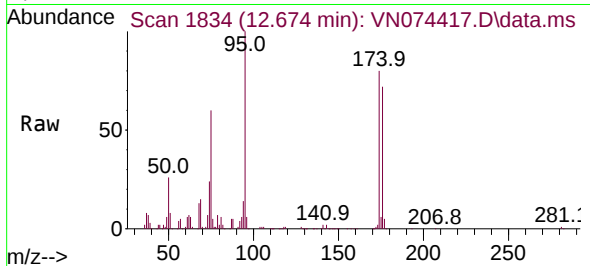




#81
trans-1,4-Dichloro-2-butene
Concen: 54.423 ug/l
RT: 12.674 min Scan# 1816
Delta R.T. 0.106 min
Lab File: VN074417.D
Acq: 12 Sep 2022 18:46

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-278-280

Tgt Ion: 75 Resp: 151587
Ion Ratio Lower Upper
75 100
53 0.0 82.2 123.2#
89 0.0 37.7 56.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.686 min Scan# 2176
Delta R.T. 0.141 min
Lab File: VN074417.D
Acq: 12 Sep 2022 18:46

Tgt Ion: 75 Resp: 58
Ion Ratio Lower Upper
75 100
155 0.0 36.6 109.9#
157 0.0 46.2 138.5#

