

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091222\
 Data File : VN074418.D
 Acq On : 12 Sep 2022 19:11
 Operator : JC\MD
 Sample : N4558-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-TB-20220906

Quant Time: Sep 13 06:27:51 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)

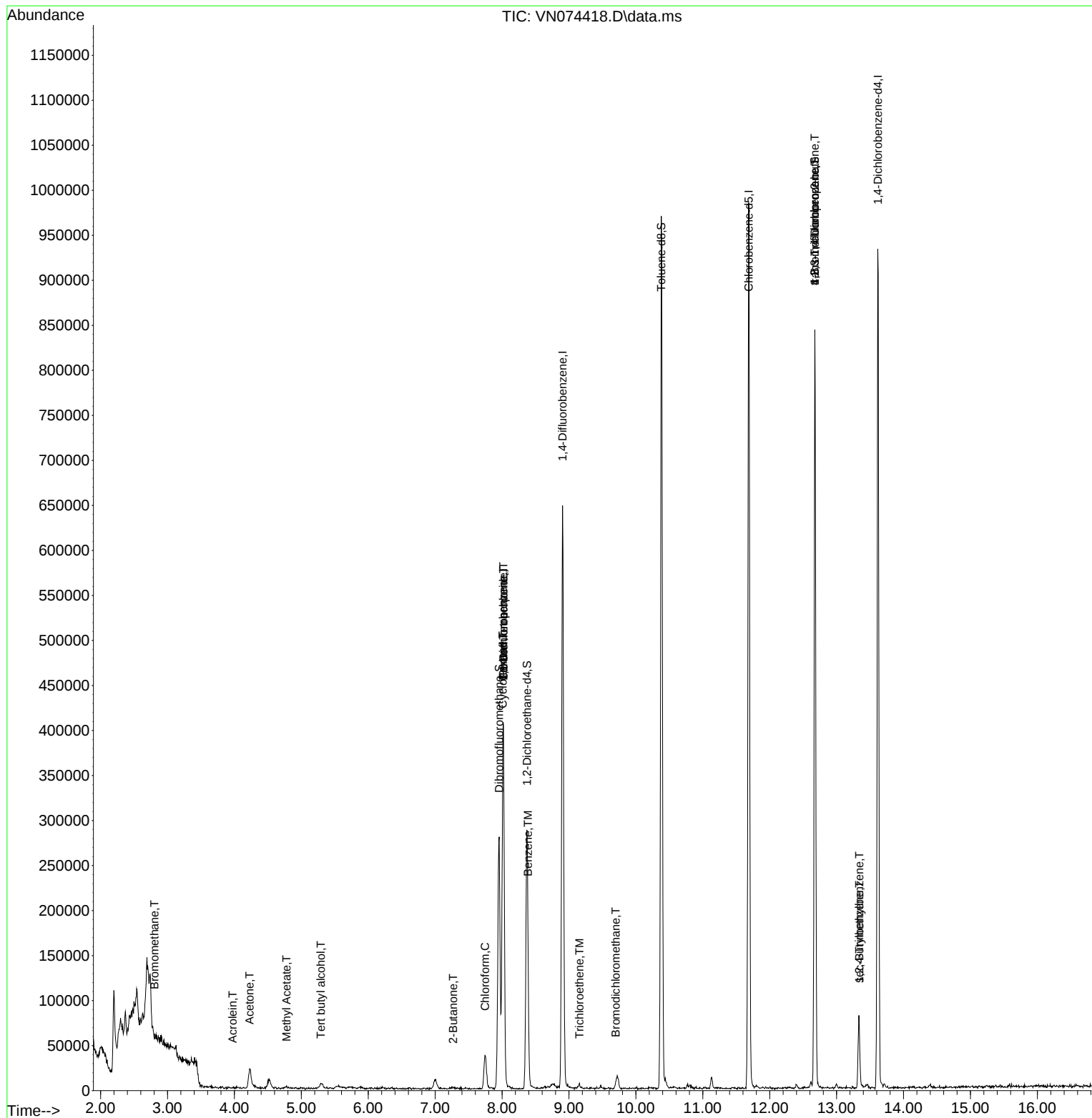
Internal Standards						
1) Pentafluorobenzene	8.016	168	296969	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	513723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	511331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	219726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	226725	44.127	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.260%		
35) Dibromofluoromethane	7.957	113	188110	54.240	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.480%		
50) Toluene-d8	10.380	98	622052	46.032	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.060%		
62) 4-Bromofluorobenzene	12.674	95	243828	49.697	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.400%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	4860	Below Cal	#	76
5) Bromomethane	2.804	94	1108	0.247	ug/l #	35
6) Chloroethane	2.822	64	7575	Below Cal	#	49
11) Tert butyl alcohol	5.292	59	9368	6.971	ug/l	99
13) Acrolein	3.975	56	275	0.308	ug/l #	15
16) Acetone	4.228	43	37344	13.463	ug/l #	88
18) Methyl Acetate	4.781	43	3196	0.391	ug/l #	74
20) Methylene Chloride	5.010	84	132	Below Cal	#	1
25) 2-Butanone	7.269	43	2921	0.627	ug/l #	67
30) Chloroform	7.745	83	33770	4.027	ug/l #	79
31) Cyclohexane	8.010	56	4683	0.573	ug/l #	23
36) 1,1-Dichloropropene	8.022	75	29459	5.156	ug/l #	51
38) Carbon Tetrachloride	8.022	117	31128	5.277	ug/l #	14
40) Benzene	8.386	78	3944	0.225	ug/l #	63
44) Trichloroethene	9.157	130	1181	0.301	ug/l	86
47) Bromodichloromethane	9.698	83	4047	0.639	ug/l #	53
74) N-amyl acetate	12.327	43	270	Below Cal	#	45
76) 1,2,3-Trichloropropane	12.674	75	152615	26.569	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	152615	59.223	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.339	105	26201	1.509	ug/l #	32
85) sec-Butylbenzene	13.339	105	26201	1.221	ug/l #	57
92) 1,2-Dibromo-3-Chloropr...	14.721	75	54	Below Cal	#	8

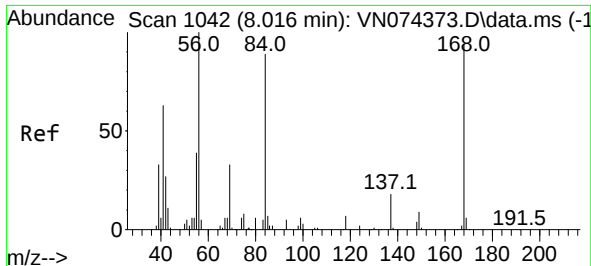
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
Quant Title : SW846 8260
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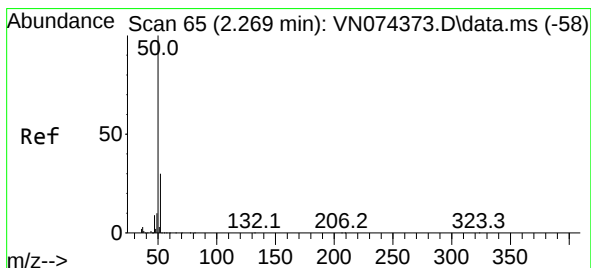
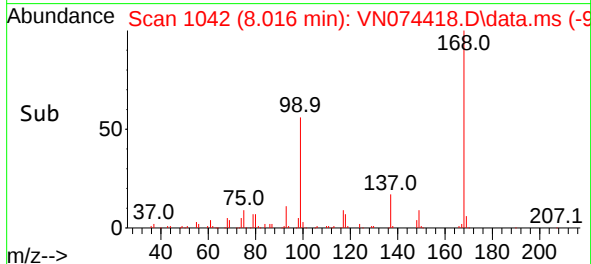
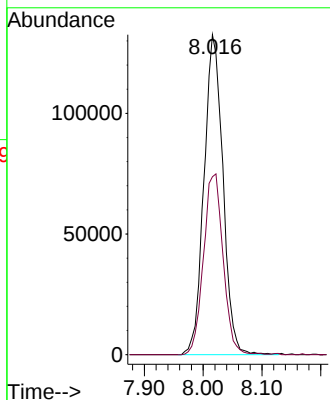
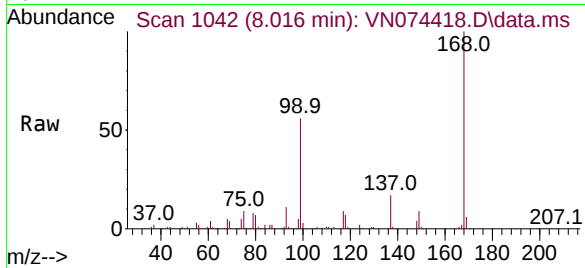




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074418.D
Acq: 12 Sep 2022 19:11

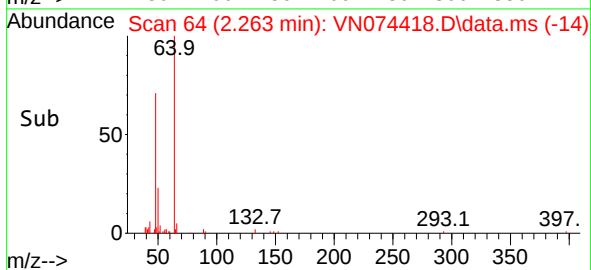
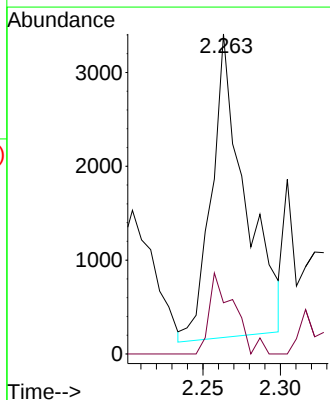
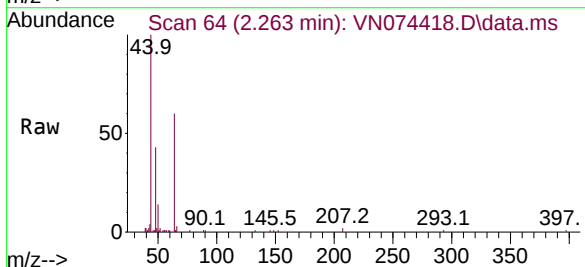
Instrument : MSVOA_N
ClientSampleId : BP-VPB-RW5-TB-20220906

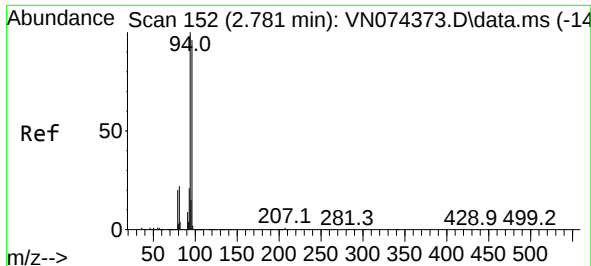
Tgt Ion:168 Resp: 296969
Ion Ratio Lower Upper
168 100
99 55.6 52.8 79.2



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN074418.D
Acq: 12 Sep 2022 19:11

Tgt Ion: 50 Resp: 4860
Ion Ratio Lower Upper
50 100
52 17.2 24.1 36.1#

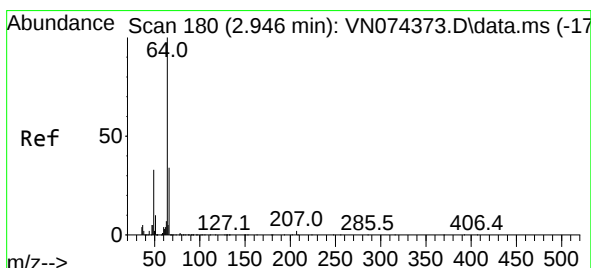
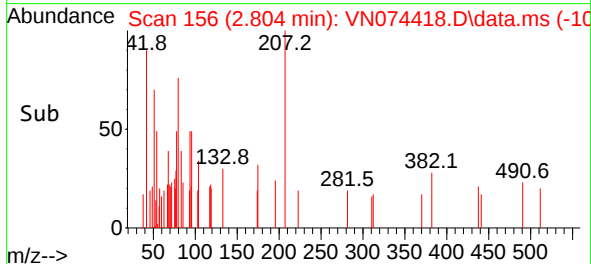
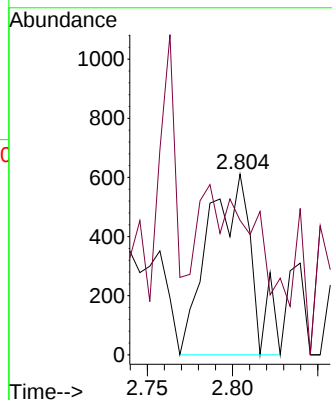
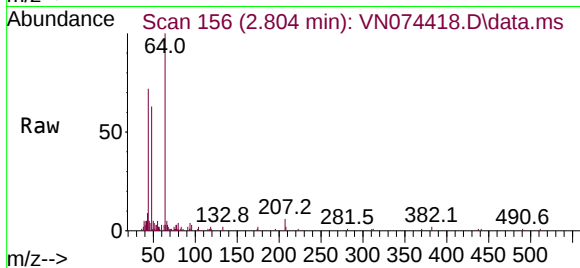




#5
Bromomethane
Concen: 0.247 ug/l
RT: 2.804 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN074418.D
Acq: 12 Sep 2022 19:11

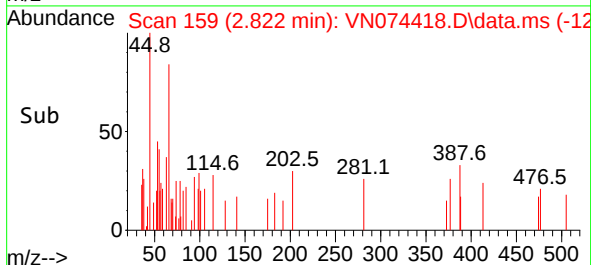
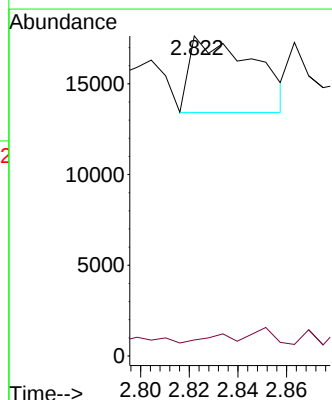
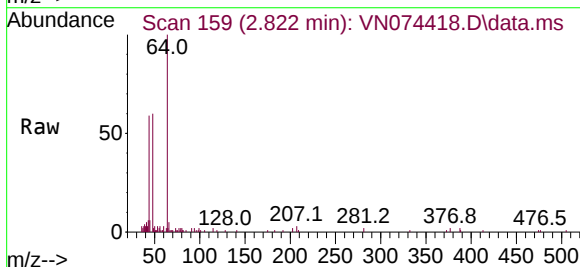
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20220906

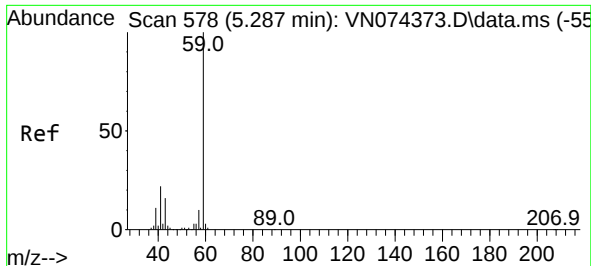
Tgt Ion: 94 Resp: 1108
Ion Ratio Lower Upper
94 100
96 32.1 76.7 115.1#



#6
Chloroethane
Concen: Below Cal
RT: 2.822 min Scan# 159
Delta R.T. -0.124 min
Lab File: VN074418.D
Acq: 12 Sep 2022 19:11

Tgt Ion: 64 Resp: 7575
Ion Ratio Lower Upper
64 100
66 4.0 26.5 39.7#





#11

Tert butyl alcohol

Concen: 6.971 ug/l

RT: 5.292 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN074418.D

Acq: 12 Sep 2022 19:11

Instrument :

MSVOA_N

ClientSampleId :

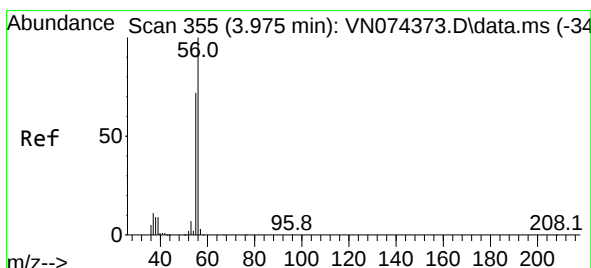
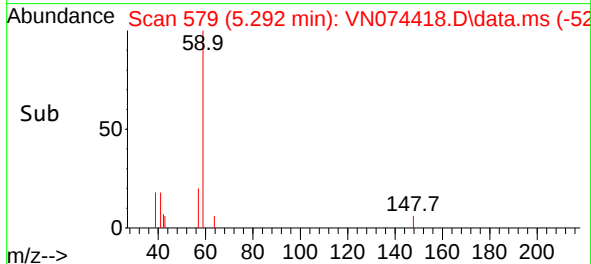
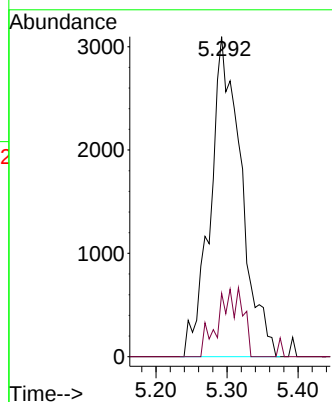
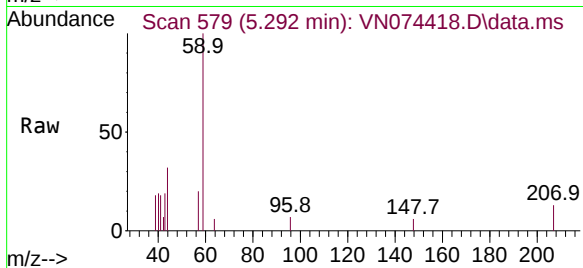
BP-VPB-RW5-TB-20220906

Tgt Ion: 59 Resp: 9368

Ion Ratio Lower Upper

59 100

57 11.3 8.8 13.2



#13

Acrolein

Concen: 0.308 ug/l

RT: 3.975 min Scan# 355

Delta R.T. 0.000 min

Lab File: VN074418.D

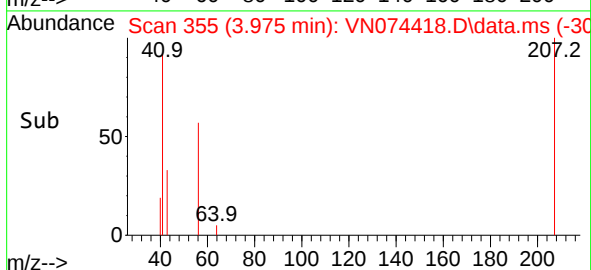
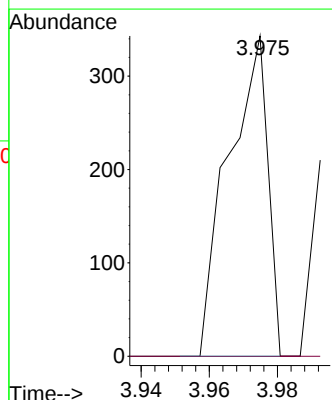
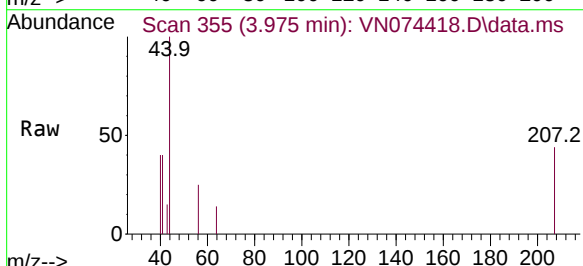
Acq: 12 Sep 2022 19:11

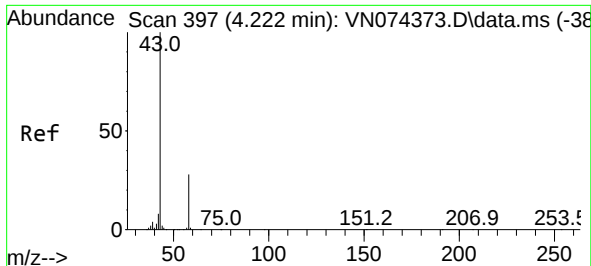
Tgt Ion: 56 Resp: 275

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#

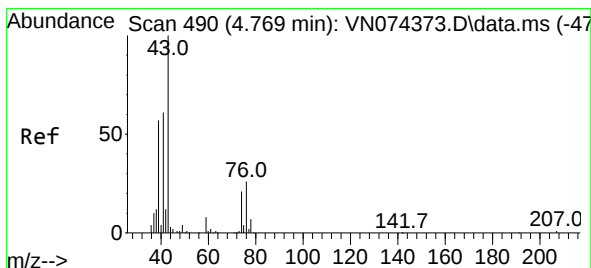
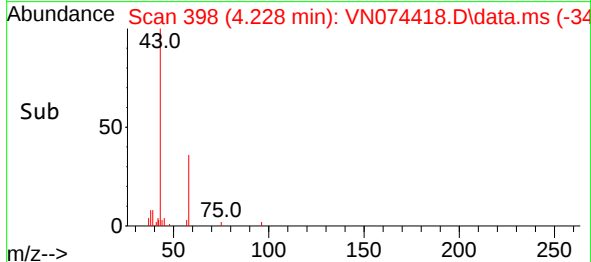
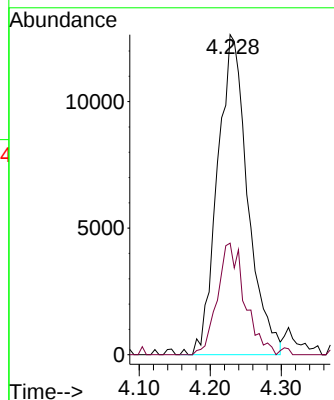
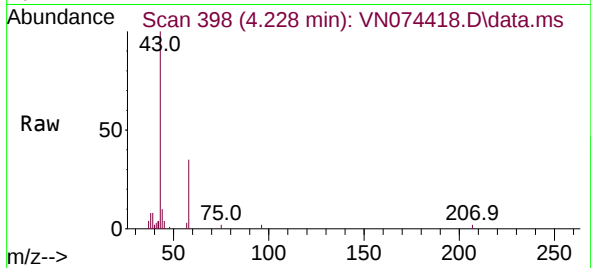




#16
Acetone
Concen: 13.463 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074418.D
Acq: 12 Sep 2022 19:11

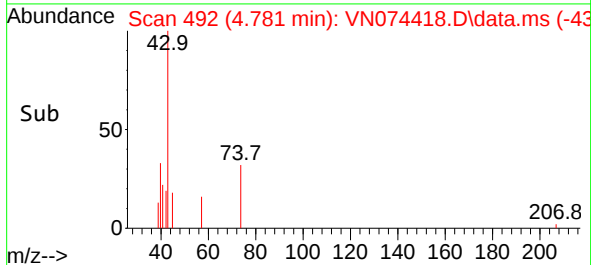
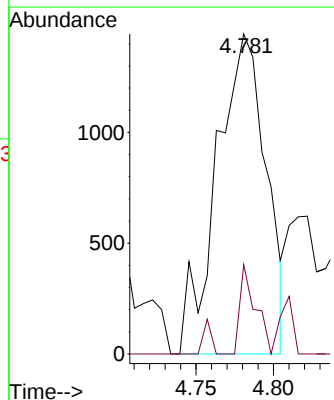
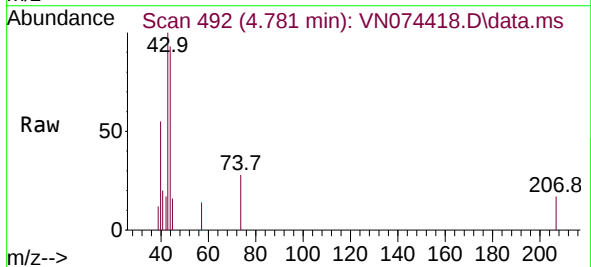
Instrument :
MSVOA_N
ClientSampleId :
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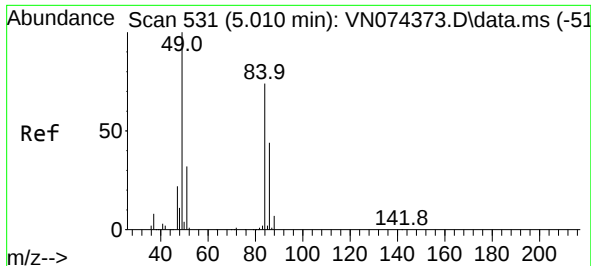
Tgt Ion: 43 Resp: 37344
Ion Ratio Lower Upper
43 100
58 34.8 22.7 34.1#



#18
Methyl Acetate
Concen: 0.391 ug/l
RT: 4.781 min Scan# 492
Delta R.T. 0.012 min
Lab File: VN074418.D
Acq: 12 Sep 2022 19:11

Tgt Ion: 43 Resp: 3196
Ion Ratio Lower Upper
43 100
74 8.8 16.7 25.1#

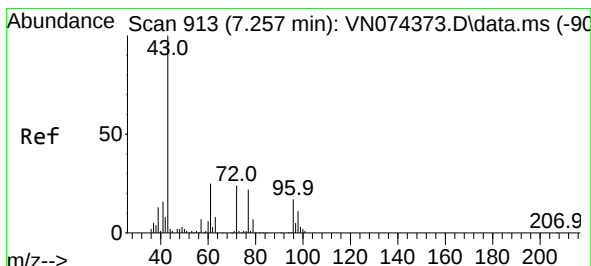
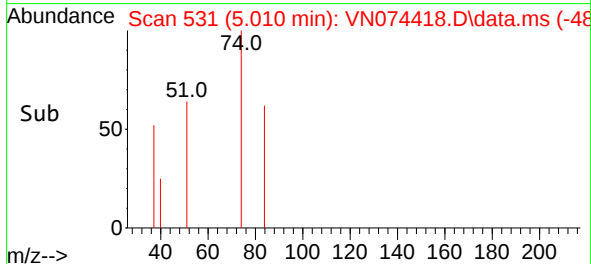
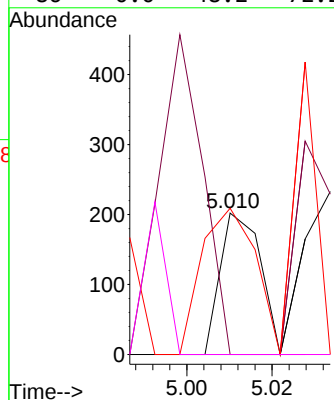
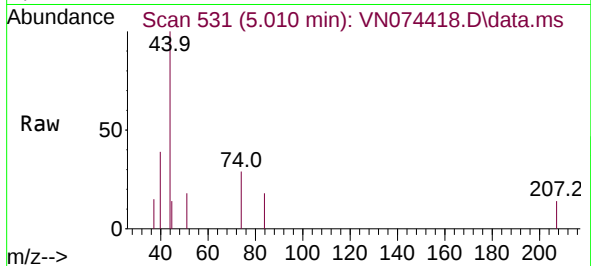




#20
Methylene Chloride
Concen: Below Cal
RT: 5.010 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN074418.D
Acq: 12 Sep 2022 19:11

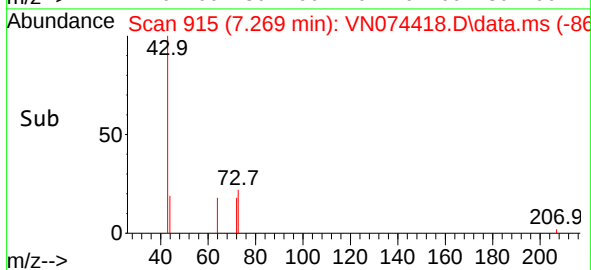
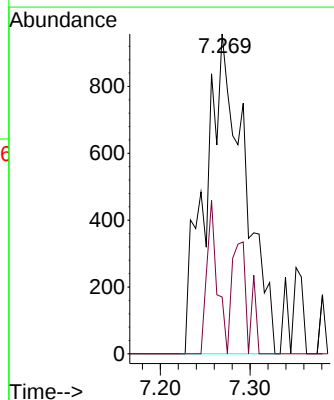
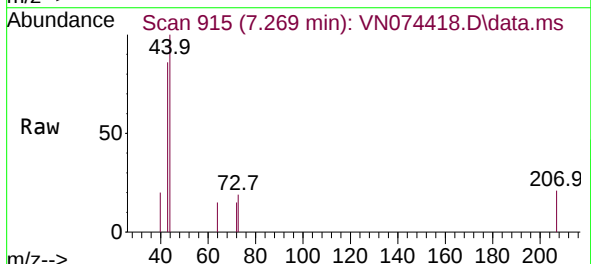
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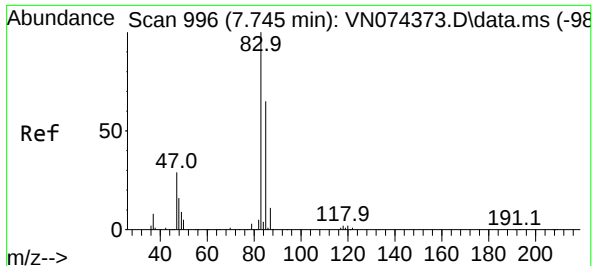
Tgt Ion:	84	Resp:	132
Ion	Ratio	Lower	Upper
84	100		
49	0.0	108.2	162.4#
51	103.5	34.3	51.5#
86	0.0	48.2	72.2#



#25
2-Butanone
Concen: 0.627 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN074418.D
Acq: 12 Sep 2022 19:11

Tgt Ion:	43	Resp:	2921
Ion	Ratio	Lower	Upper
43	100		
72	39.7	18.9	28.3#

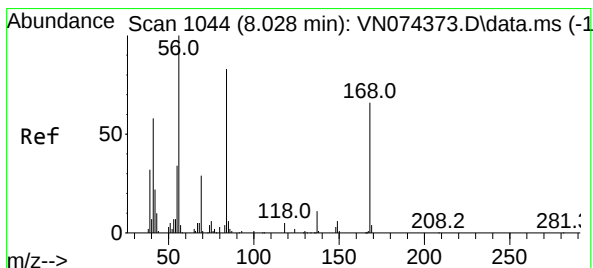
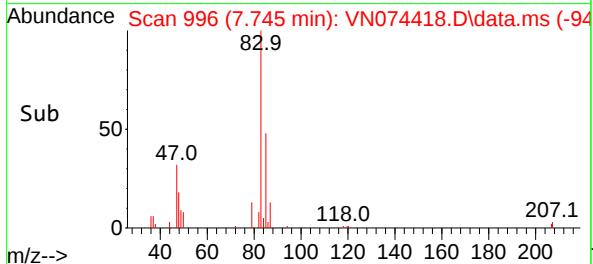
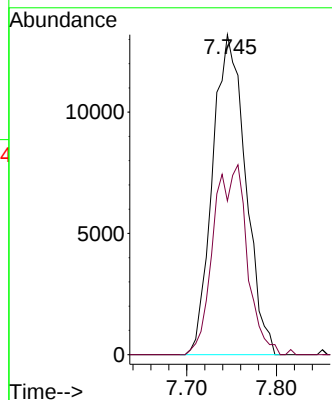
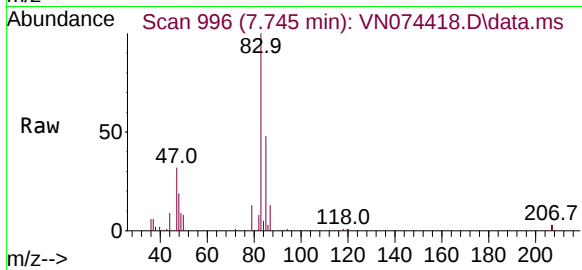




#30
Chloroform
Concen: 4.027 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN074418.D
Acq: 12 Sep 2022 19:11

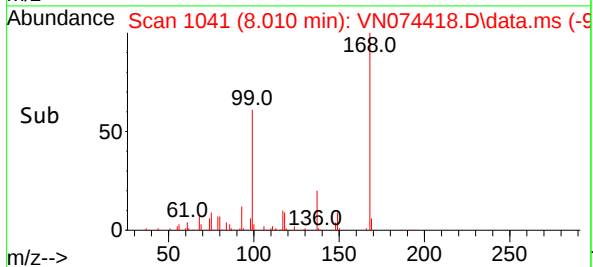
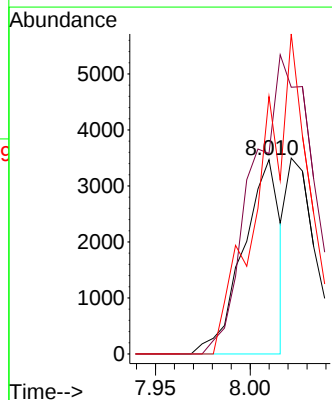
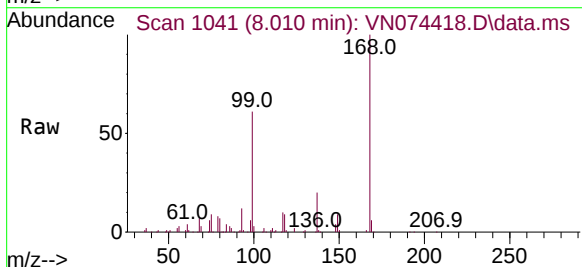
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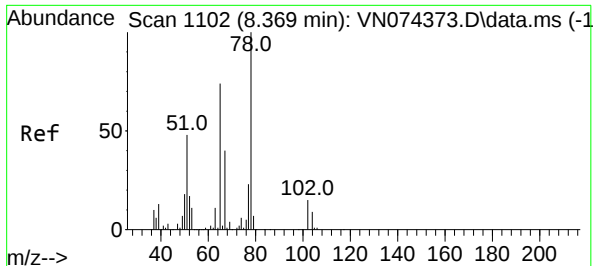
Tgt Ion: 83 Resp: 33770
Ion Ratio Lower Upper
83 100
85 48.0 51.8 77.6#



#31
Cyclohexane
Concen: 0.573 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.018 min
Lab File: VN074418.D
Acq: 12 Sep 2022 19:11

Tgt Ion: 56 Resp: 4683
Ion Ratio Lower Upper
56 100
69 103.2 23.0 34.4#
84 132.5 66.3 99.5#





#33

1,2-Dichloroethane-d4

Concen: 44.127 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN074418.D

Acq: 12 Sep 2022 19:11

Instrument :

MSVOA_N

ClientSampleId :

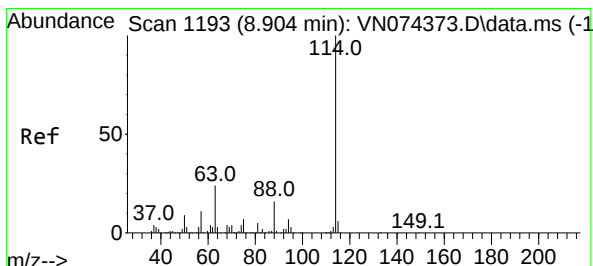
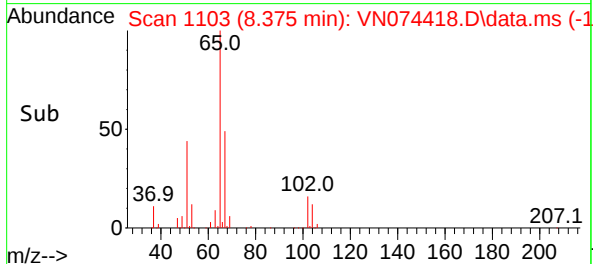
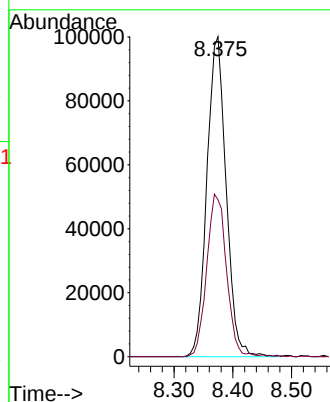
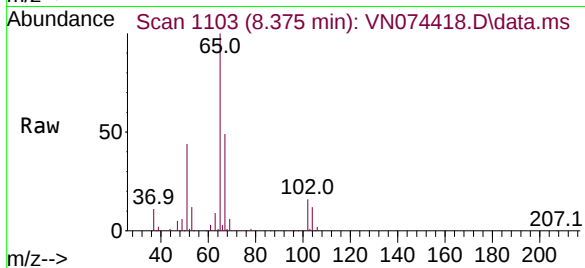
BP-VPB-RW5-TB-20220906

Tgt Ion: 65 Resp: 226725

Ion Ratio Lower Upper

65 100

67 52.3 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: VN074418.D

Acq: 12 Sep 2022 19:11

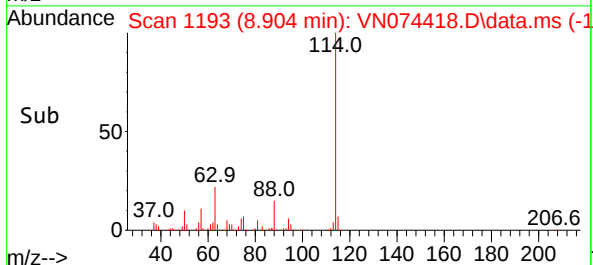
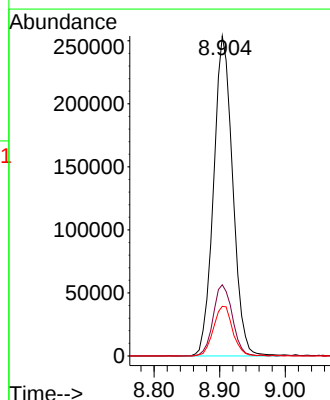
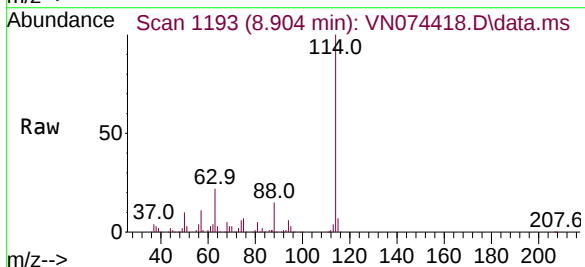
Tgt Ion: 114 Resp: 513723

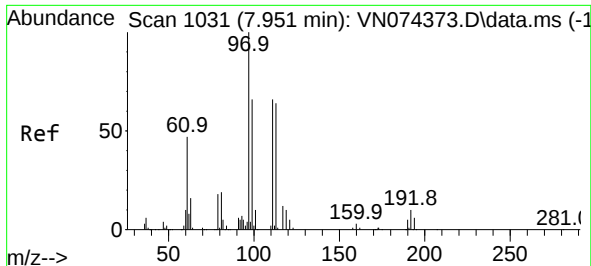
Ion Ratio Lower Upper

114 100

63 22.2 0.0 47.6

88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 54.240 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN074418.D

Acq: 12 Sep 2022 19:11

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW5-TB-20220906

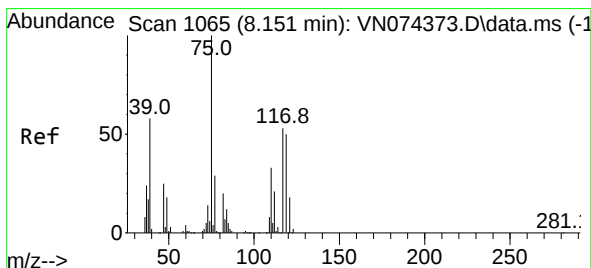
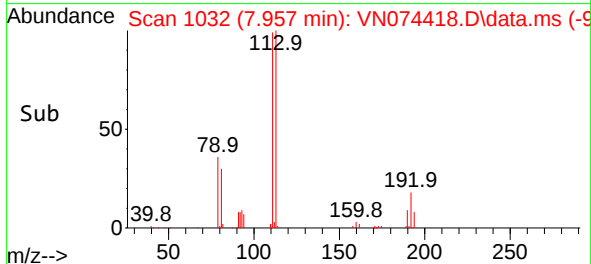
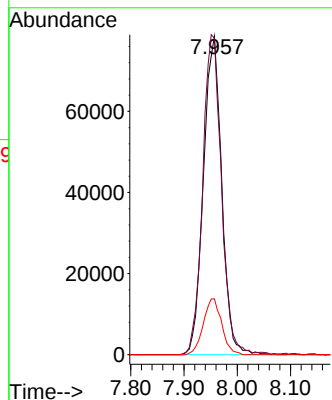
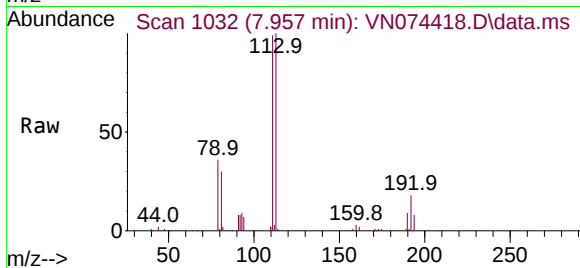
Tgt Ion:113 Resp: 188110

Ion Ratio Lower Upper

113 100

111 102.0 83.0 124.4

192 17.6 13.7 20.5



#36

1,1-Dichloropropene

Concen: 5.156 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.129 min

Lab File: VN074418.D

Acq: 12 Sep 2022 19:11

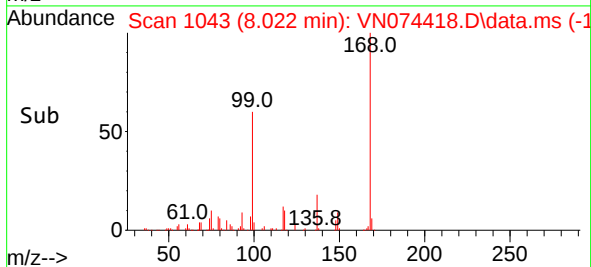
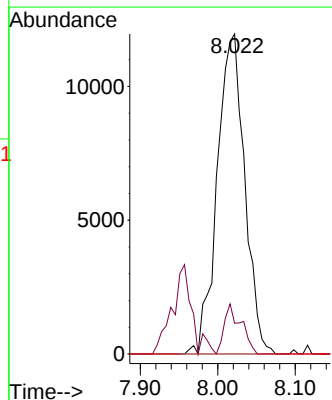
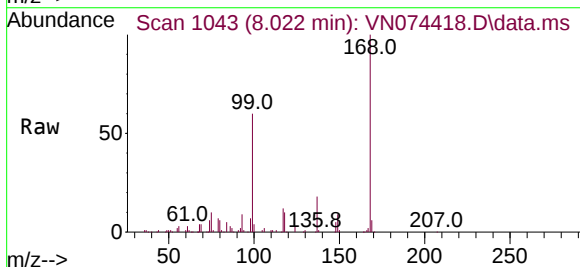
Tgt Ion: 75 Resp: 29459

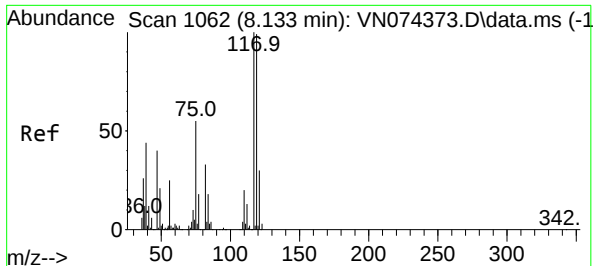
Ion Ratio Lower Upper

75 100

110 9.6 16.4 49.1#

77 0.0 25.4 38.2#

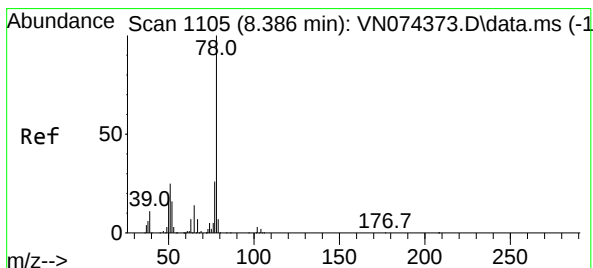
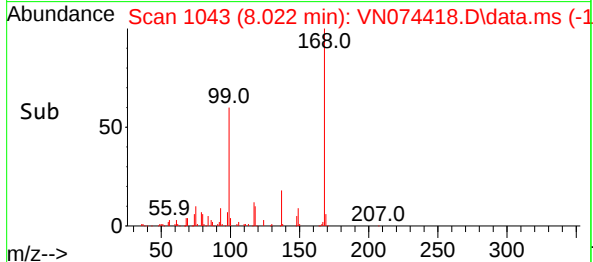
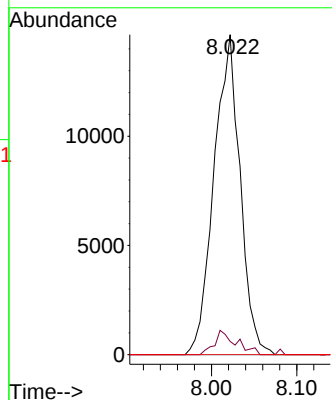
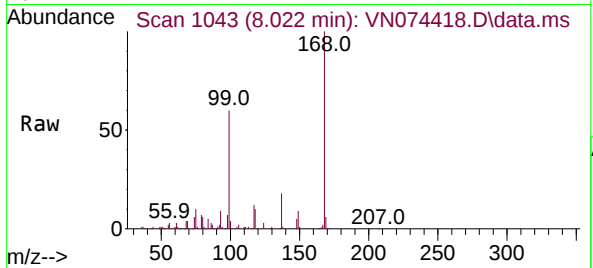




#38
Carbon Tetrachloride
Concen: 5.277 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.112 min
Lab File: VN074418.D
Acq: 12 Sep 2022 19:11

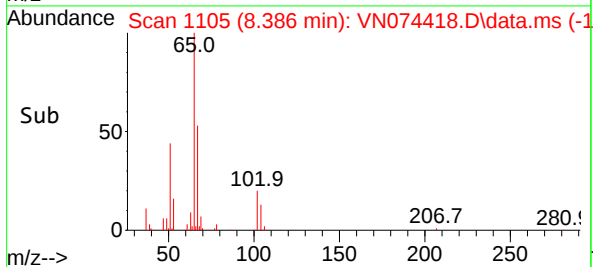
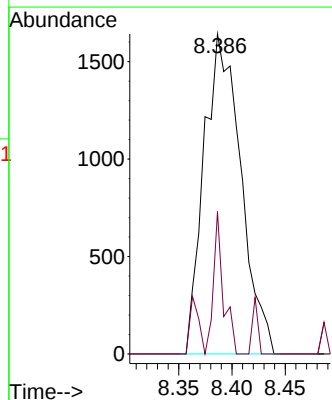
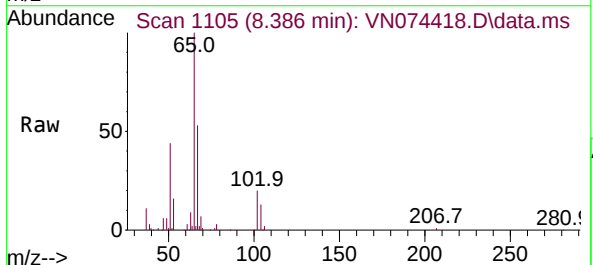
Instrument : MSVOA_N
ClientSampleId : BP-VPB-RW5-TB-20220906

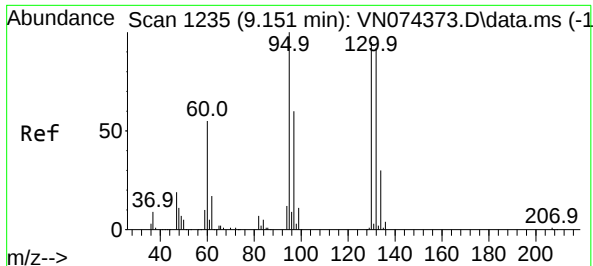
Tgt Ion:117 Resp: 31128
Ion Ratio Lower Upper
117 100
119 4.2 78.8 118.2#
121 0.0 24.1 36.1#



#40
Benzene
Concen: 0.225 ug/l
RT: 8.386 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VN074418.D
Acq: 12 Sep 2022 19:11

Tgt Ion: 78 Resp: 3944
Ion Ratio Lower Upper
78 100
77 44.5 20.6 31.0#

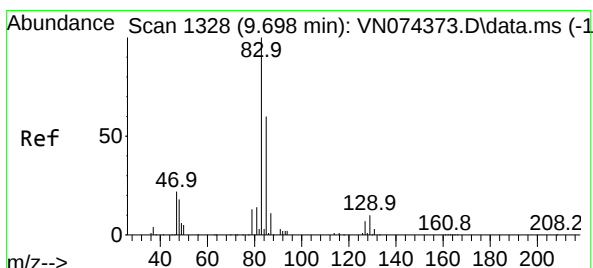
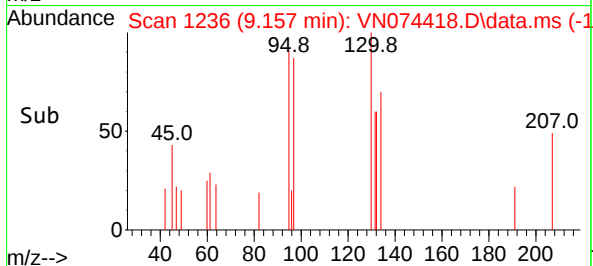
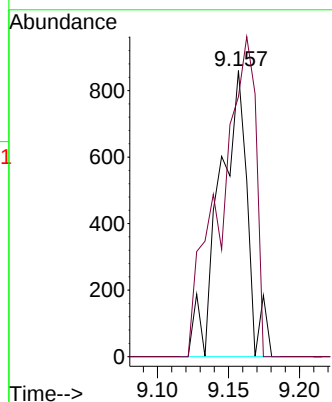
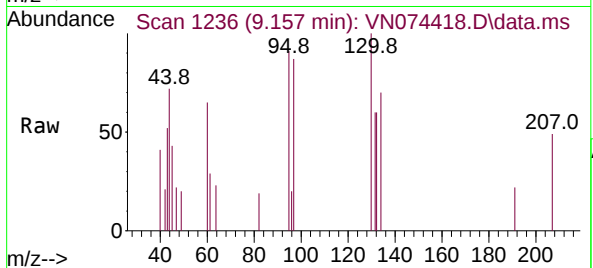




#44
Trichloroethene
Concen: 0.301 ug/l
RT: 9.157 min Scan# 1181
Delta R.T. 0.006 min
Lab File: VN074418.D
Acq: 12 Sep 2022 19:11

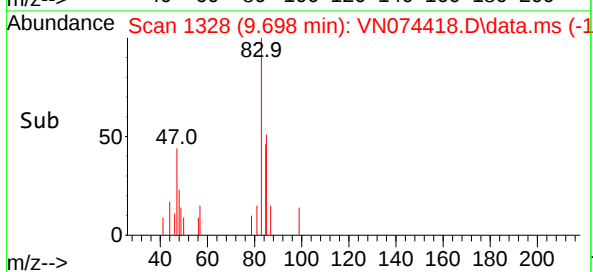
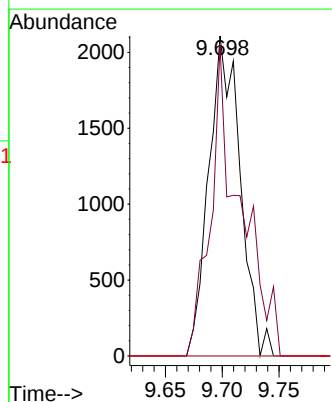
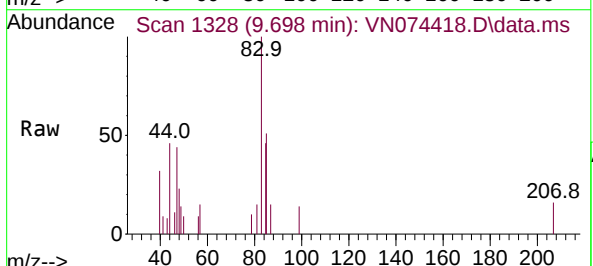
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20220906

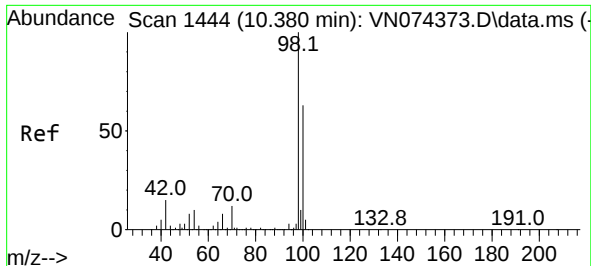
Tgt Ion:130 Resp: 1181
Ion Ratio Lower Upper
130 100
95 90.8 0.0 210.0



#47
Bromodichloromethane
Concen: 0.639 ug/l
RT: 9.698 min Scan# 1328
Delta R.T. 0.000 min
Lab File: VN074418.D
Acq: 12 Sep 2022 19:11

Tgt Ion: 83 Resp: 4047
Ion Ratio Lower Upper
83 100
85 97.1 47.7 71.5#
127 0.0 5.4 8.2#

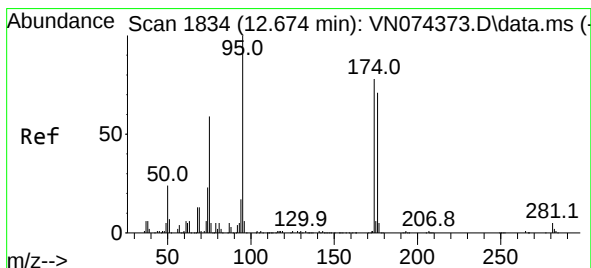
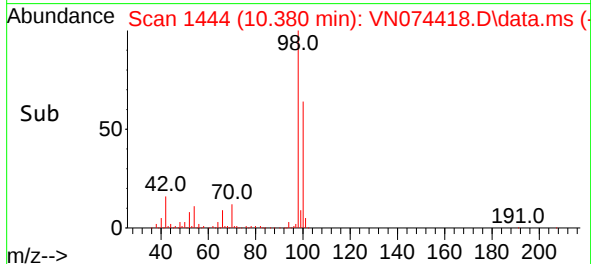
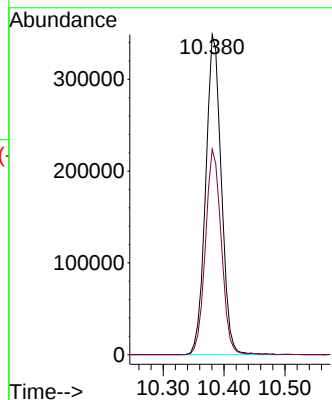
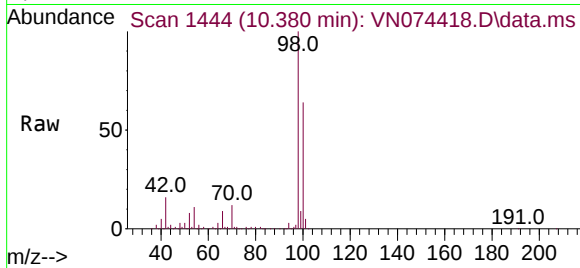




#50
Toluene-d8
Concen: 46.032 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074418.D
Acq: 12 Sep 2022 19:11

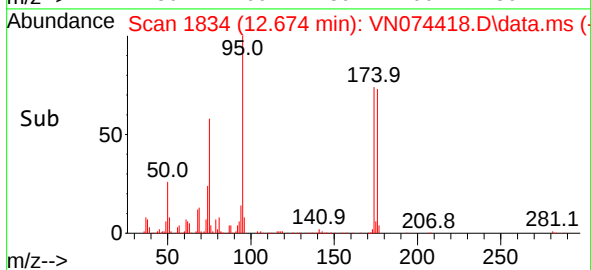
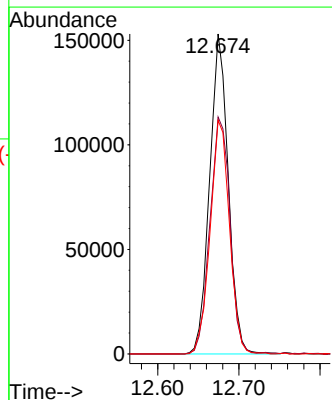
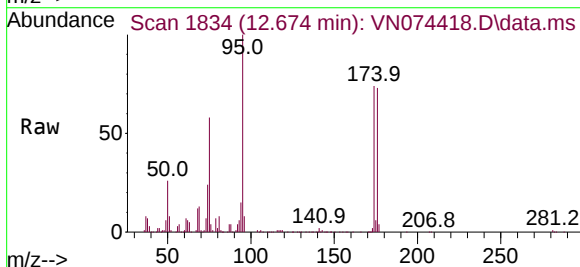
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20220906

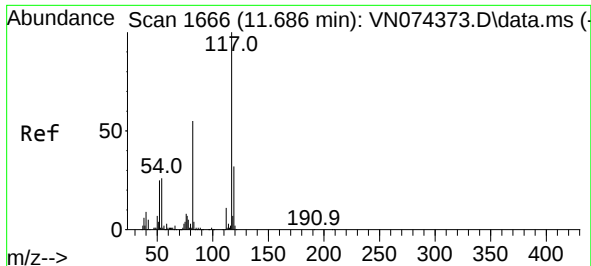
Tgt Ion: 98 Resp: 622052
Ion Ratio Lower Upper
98 100
100 64.9 50.6 76.0



#62
4-Bromofluorobenzene
Concen: 49.697 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN074418.D
Acq: 12 Sep 2022 19:11

Tgt Ion: 95 Resp: 243828
Ion Ratio Lower Upper
95 100
174 79.4 0.0 150.6
176 75.7 0.0 143.4

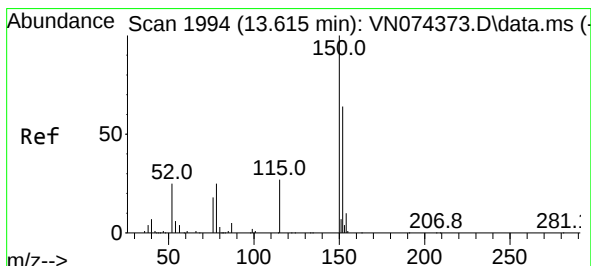
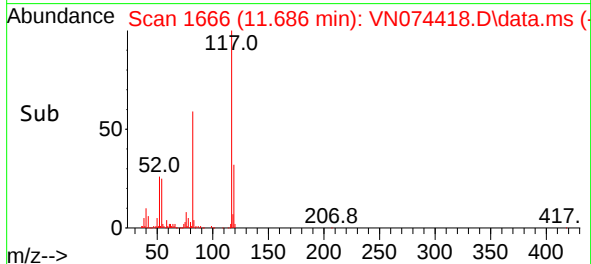
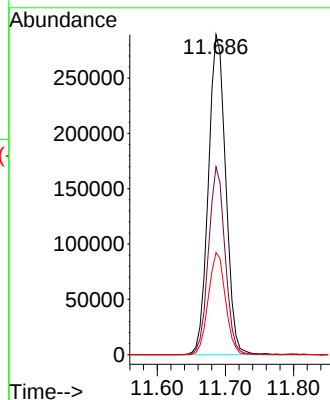
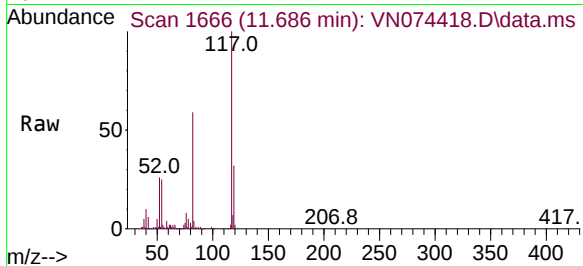




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN074418.D
Acq: 12 Sep 2022 19:11

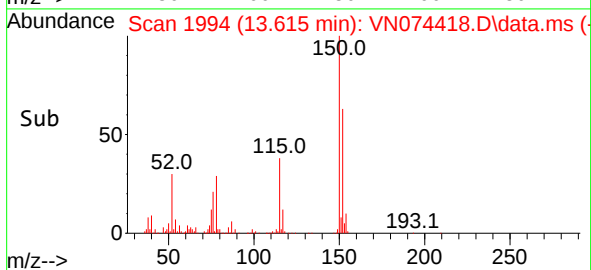
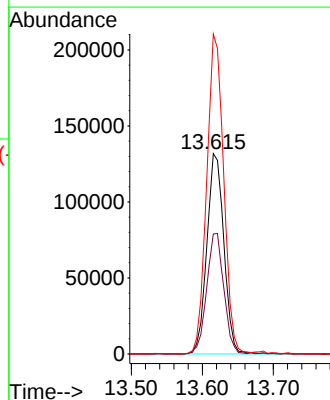
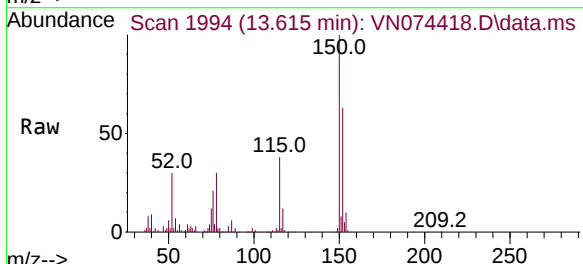
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20220906

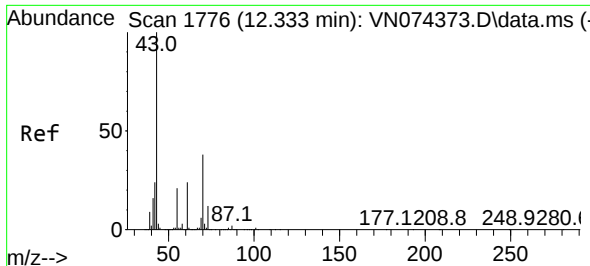
Tgt Ion:117 Resp: 511331
Ion Ratio Lower Upper
117 100
82 58.7 44.3 66.5
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074418.D
Acq: 12 Sep 2022 19:11

Tgt Ion:152 Resp: 219726
Ion Ratio Lower Upper
152 100
115 60.7 32.0 96.0
150 158.7 0.0 359.6

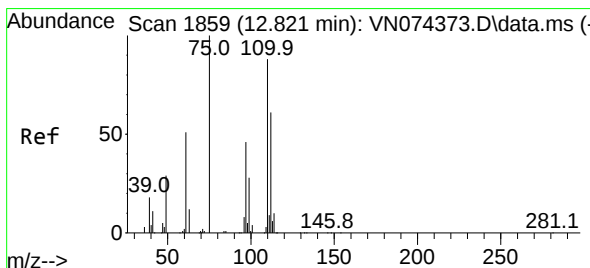
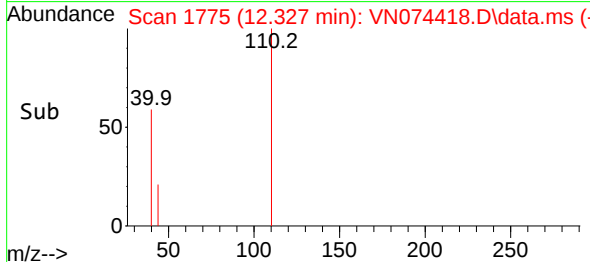
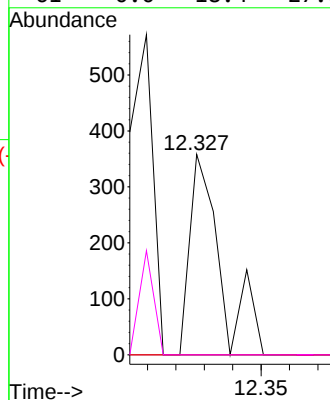
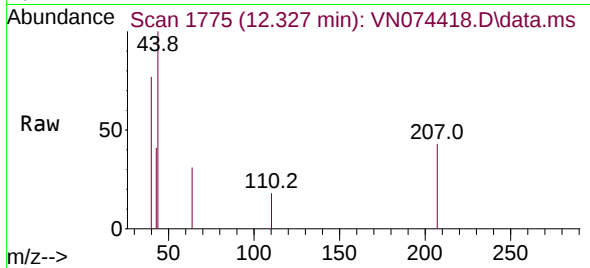




#74
N-amy1 acetate
Concen: Below Cal
RT: 12.327 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074418.D
Acq: 12 Sep 2022 19:11

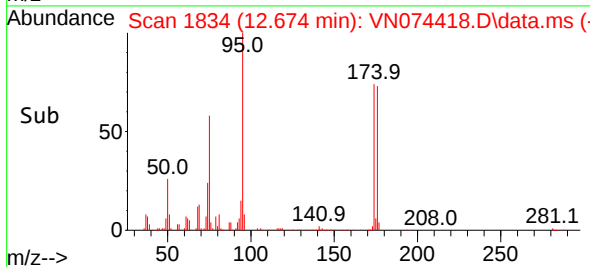
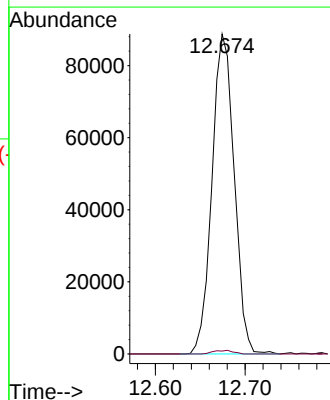
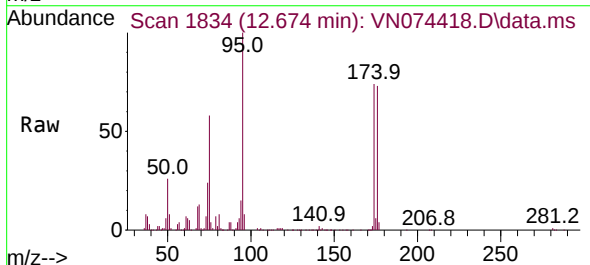
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20220906

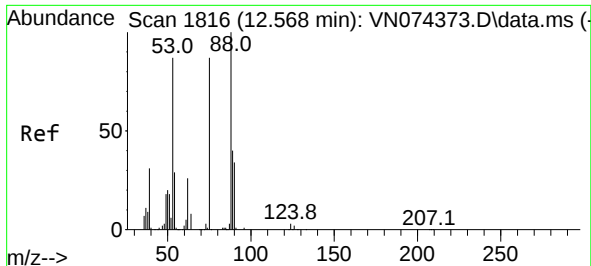
Tgt Ion: 43	Resp:	270
Ion	Ratio	Lower Upper
43	100	
70	0.0	31.4 47.0#
55	0.0	17.0 25.6#
61	0.0	18.4 27.6#



#76
1,2,3-Trichloropropane
Concen: 26.569 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074418.D
Acq: 12 Sep 2022 19:11

Tgt Ion: 75	Resp:	152615
Ion	Ratio	Lower Upper
75	100	
77	1.0	78.9 236.7#

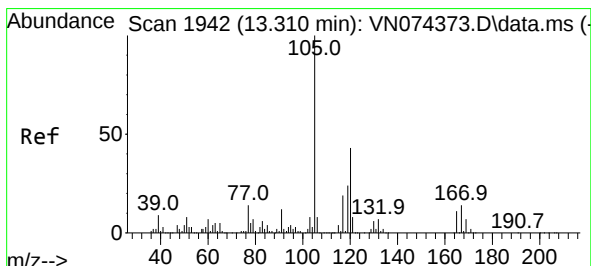
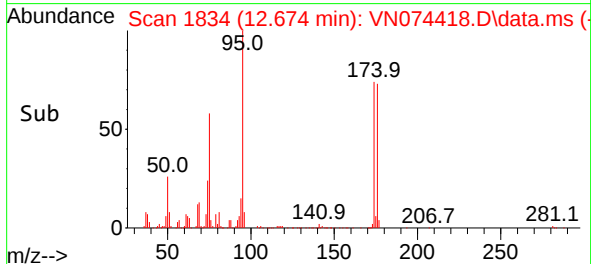
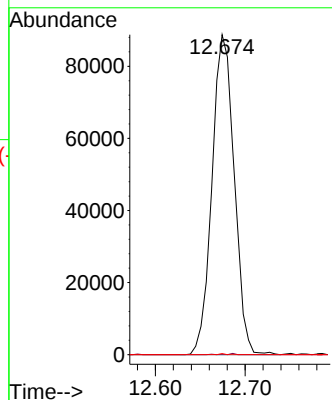
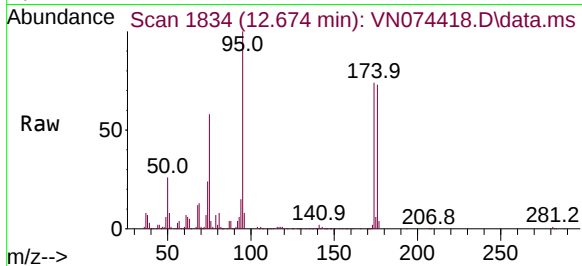




#81
trans-1,4-Dichloro-2-butene
Concen: 59.223 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074418.D
Acq: 12 Sep 2022 19:11

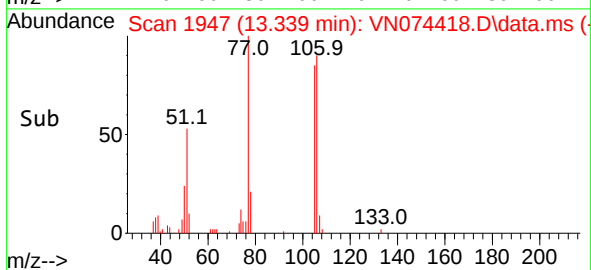
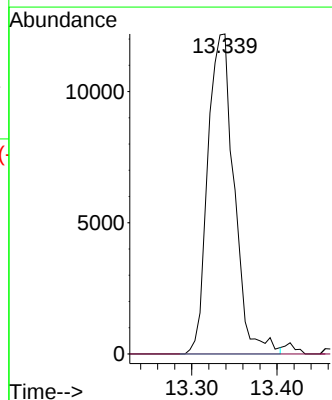
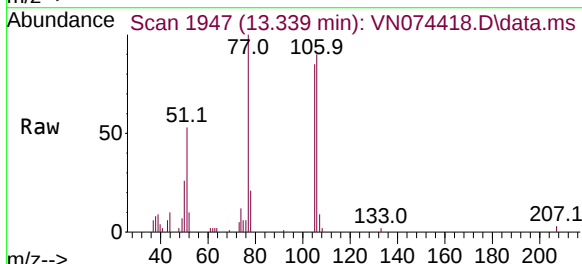
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-TB-20220906

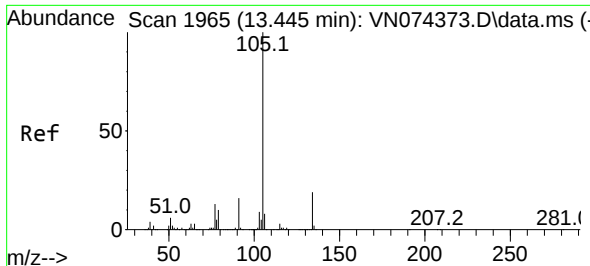
Tgt Ion: 75 Resp: 152615
Ion Ratio Lower Upper
75 100
53 0.1 82.2 123.2#
89 0.1 37.7 56.5#



#84
1,2,4-Trimethylbenzene
Concen: 1.509 ug/l
RT: 13.339 min Scan# 1947
Delta R.T. 0.029 min
Lab File: VN074418.D
Acq: 12 Sep 2022 19:11

Tgt Ion: 105 Resp: 26201
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.8#

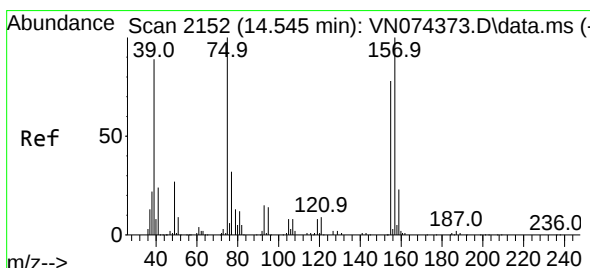
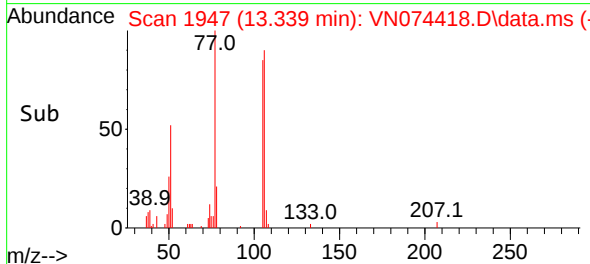
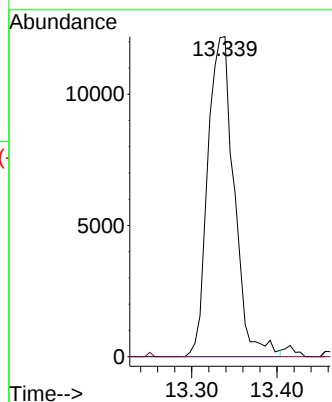
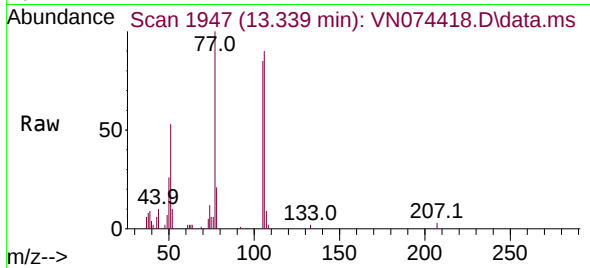




#85
 sec-Butylbenzene
 Concen: 1.221 ug/l
 RT: 13.339 min Scan# 1965
 Delta R.T. -0.106 min
 Lab File: VN074418.D
 Acq: 12 Sep 2022 19:11

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-TB-20220906

Tgt Ion:105 Resp: 26201
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.7 28.9#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.721 min Scan# 2182
 Delta R.T. 0.176 min
 Lab File: VN074418.D
 Acq: 12 Sep 2022 19:11

Tgt Ion: 75 Resp: 54
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.6 109.9#
 157 0.0 46.2 138.5#

