

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091222\
 Data File : VN074422.D
 Acq On : 12 Sep 2022 20:51
 Operator : JC\MD
 Sample : N4558-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-203-205

Quant Time: Sep 13 06:29:14 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)

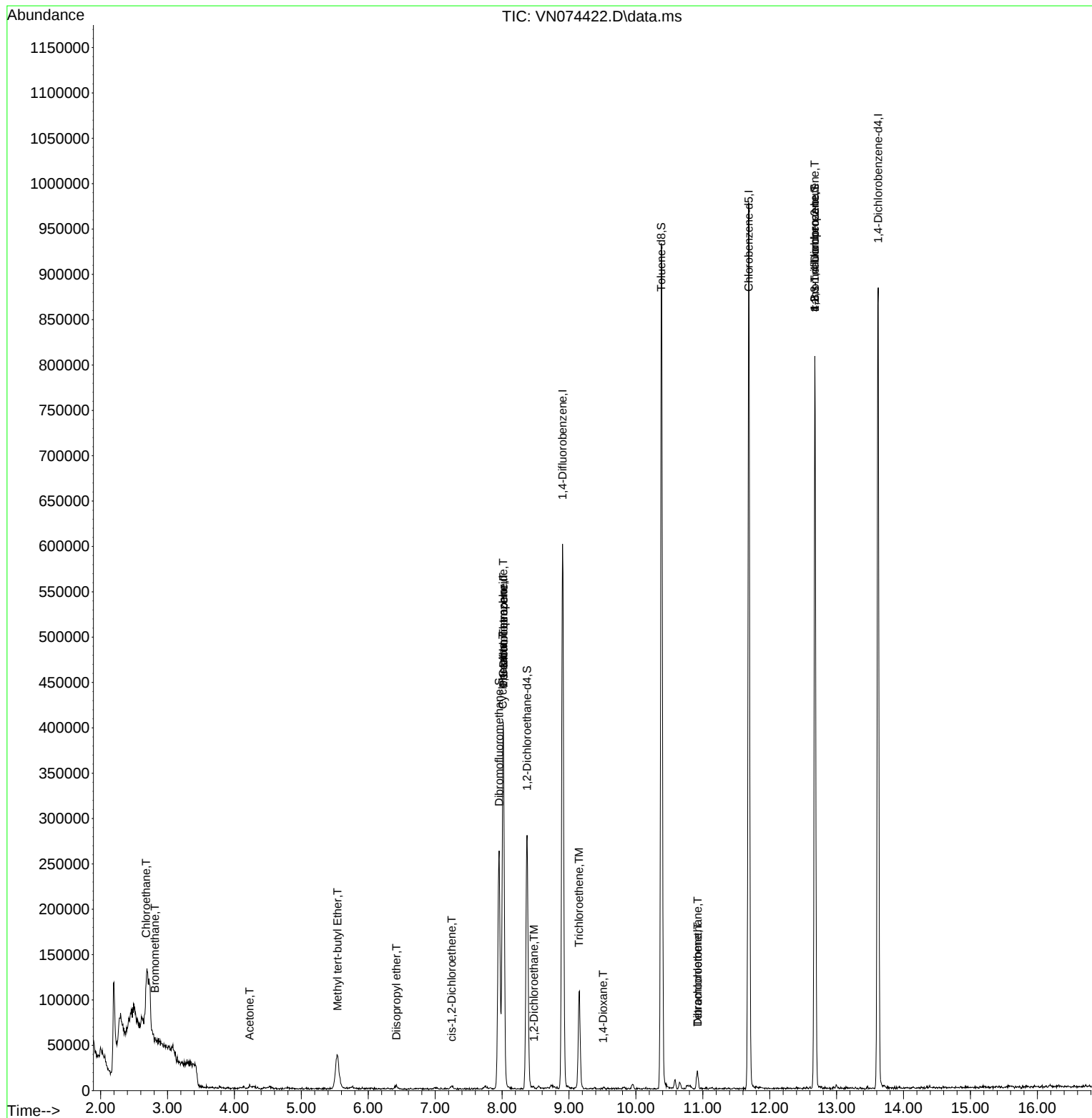
Internal Standards						
1) Pentafluorobenzene	8.022	168	291447	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	495511	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	480955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.621	152	215727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	217526	43.139	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.280%
35) Dibromofluoromethane	7.957	113	179013	53.514	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.020%
50) Toluene-d8	10.380	98	602153	46.197	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.400%
62) 4-Bromofluorobenzene	12.674	95	232588	49.149	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.300%
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	1933	Below Cal		89
5) Bromomethane	2.810	94	1677	0.380 ug/l #		76
6) Chloroethane	2.681	64	25724	2.471 ug/l #		53
16) Acetone	4.228	43	2298	0.844 ug/l		99
19) Methyl tert-butyl Ether	5.540	73	57582	3.938 ug/l		93
22) Diisopropyl ether	6.422	45	3446	0.215 ug/l #		76
27) cis-1,2-Dichloroethene	7.245	96	1573	0.314 ug/l		88
31) Cyclohexane	8.010	56	9680	1.207 ug/l #		41
36) 1,1-Dichloropropene	8.022	75	24240	4.398 ug/l #		52
38) Carbon Tetrachloride	8.016	117	31039	5.456 ug/l #		17
42) 1,2-Dichloroethane	8.475	62	1540	0.239 ug/l #		76
44) Trichloroethene	9.151	130	35450	9.371 ug/l		90
49) 1,4-Dioxane	9.510	88	420	3.459 ug/l #		1
60) Dibromochloromethane	10.922	129	3863	0.887 ug/l #		11
64) Tetrachloroethene	10.922	164	4196	1.287 ug/l		85
74) N-amyl acetate	12.333	43	271	Below Cal #		45
76) 1,2,3-Trichloropropane	12.674	75	147048	26.075 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.674	75	147048	58.120 ug/l #		9
92) 1,2-Dibromo-3-Chloropr...	14.451	75	62	Below Cal #		8

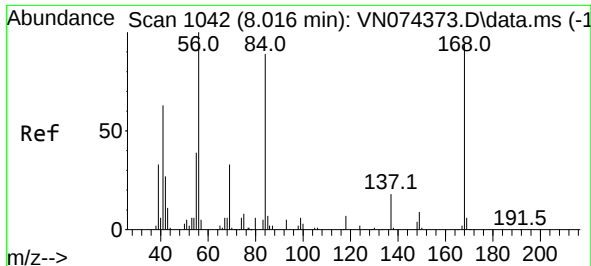
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Sep 10 06:10:29 2022
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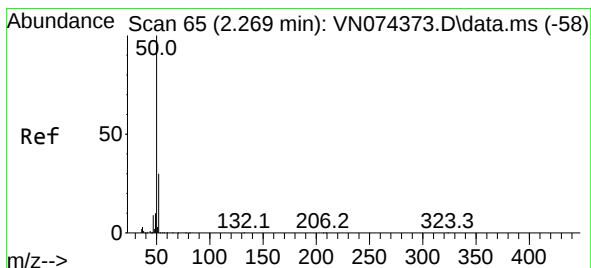
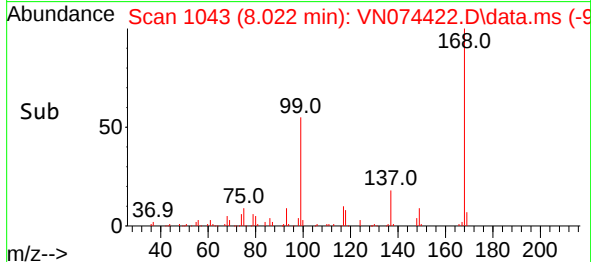
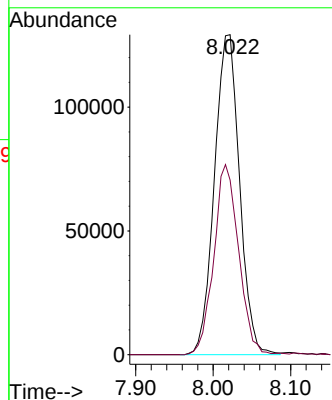
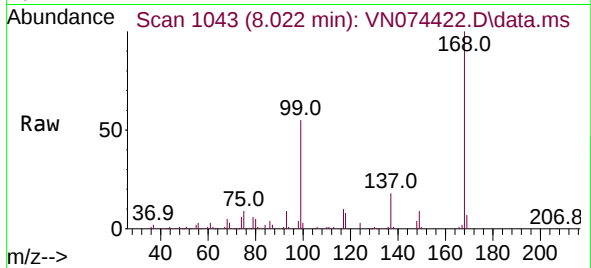




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VN074422.D
Acq: 12 Sep 2022 20:51

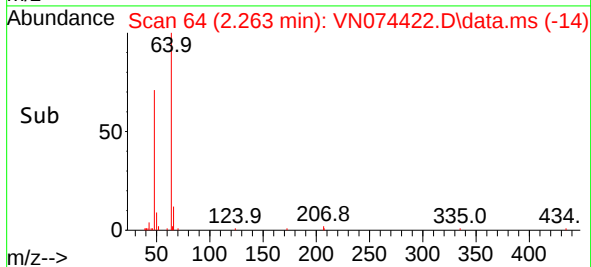
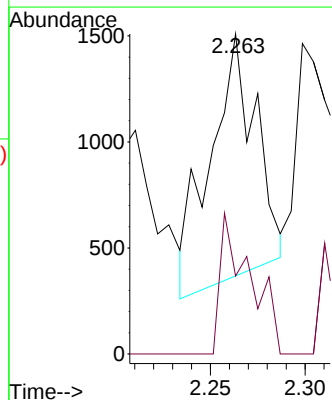
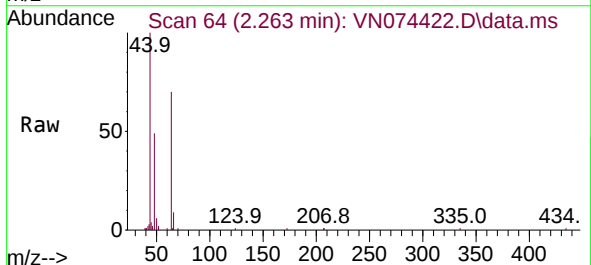
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-203-205

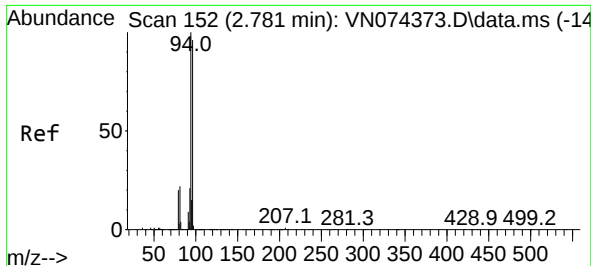
Tgt Ion:168 Resp: 291447
Ion Ratio Lower Upper
168 100
99 54.5 52.8 79.2



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN074422.D
Acq: 12 Sep 2022 20:51

Tgt Ion: 50 Resp: 1933
Ion Ratio Lower Upper
50 100
52 36.0 24.1 36.1

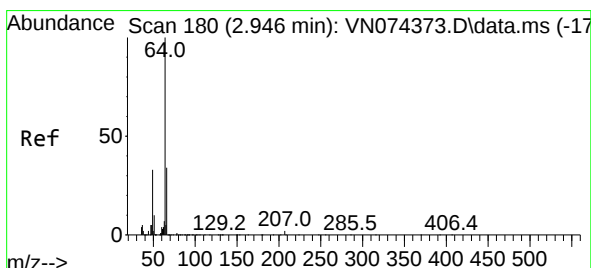
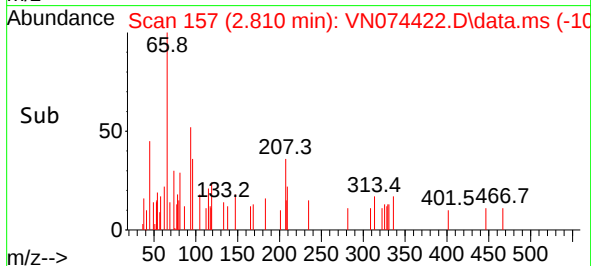
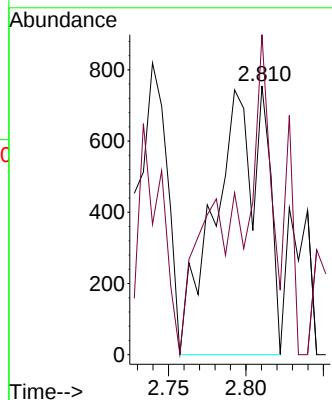
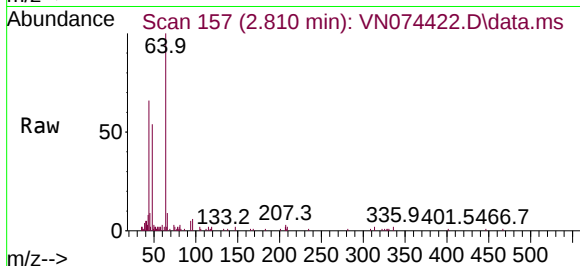




#5
Bromomethane
Concen: 0.380 ug/l
RT: 2.810 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN074422.D
Acq: 12 Sep 2022 20:51

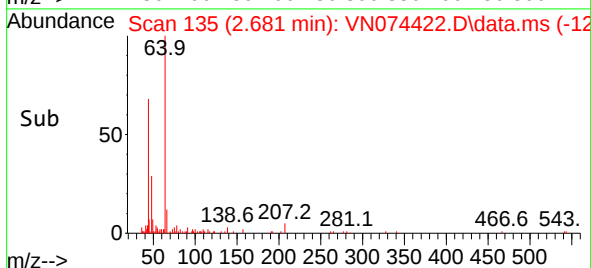
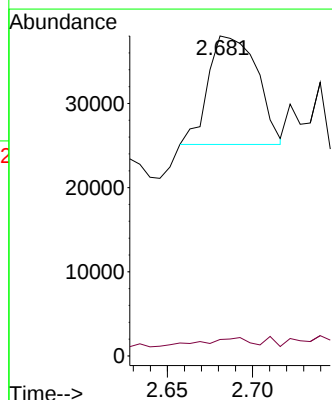
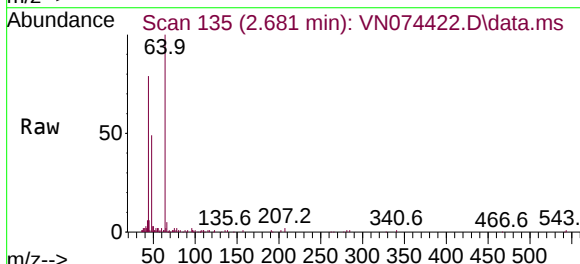
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-203-205

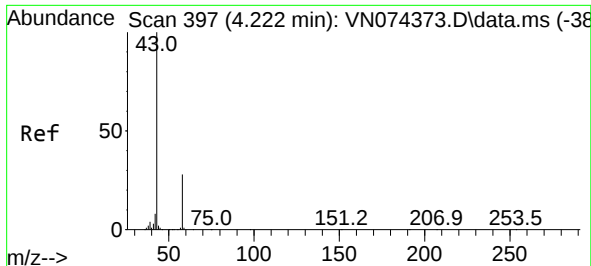
Tgt Ion: 94 Resp: 1677
Ion Ratio Lower Upper
94 100
96 119.1 76.7 115.1#



#6
Chloroethane
Concen: 2.471 ug/l
RT: 2.681 min Scan# 135
Delta R.T. -0.265 min
Lab File: VN074422.D
Acq: 12 Sep 2022 20:51

Tgt Ion: 64 Resp: 25724
Ion Ratio Lower Upper
64 100
66 6.5 26.5 39.7#

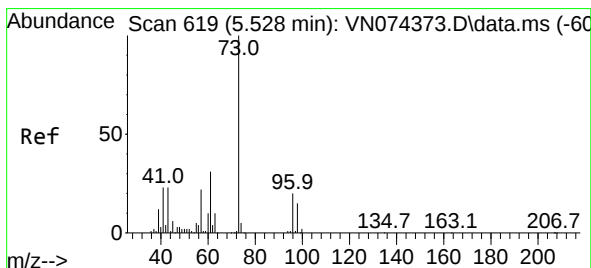
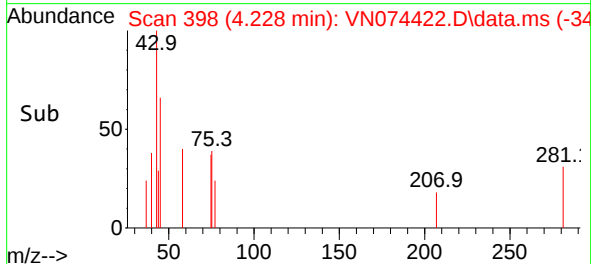
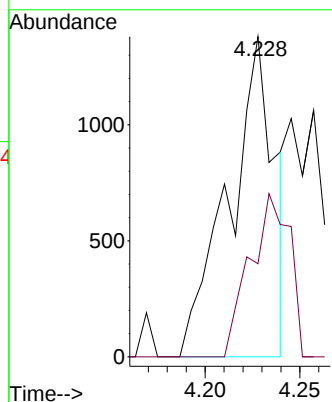
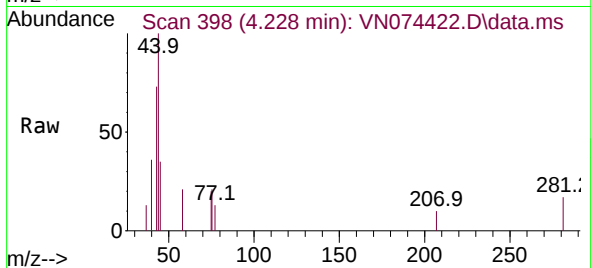




#16
Acetone
Concen: 0.844 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074422.D
Acq: 12 Sep 2022 20:51

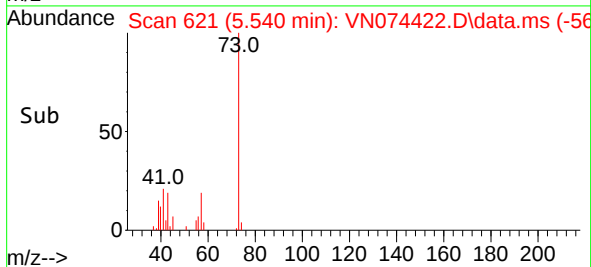
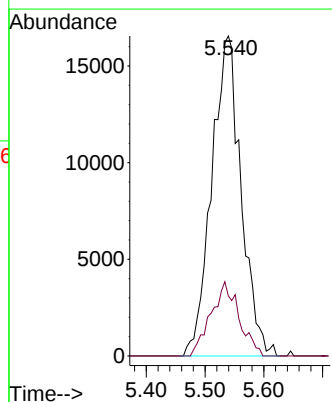
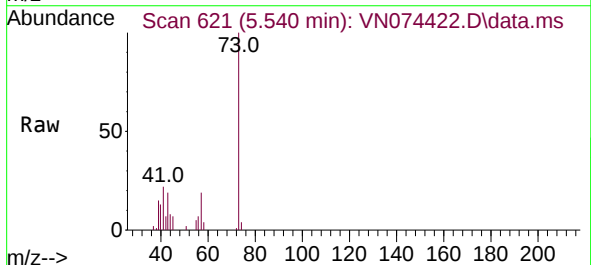
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-203-205

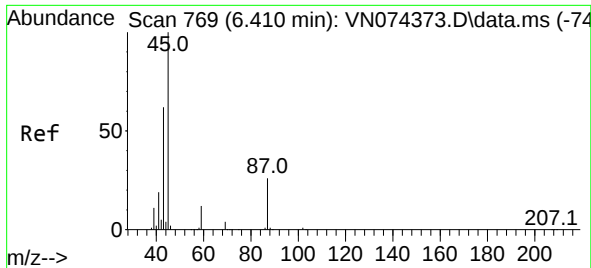
Tgt Ion: 43 Resp: 2298
Ion Ratio Lower Upper
43 100
58 29.1 22.7 34.1



#19
Methyl tert-butyl Ether
Concen: 3.938 ug/l
RT: 5.540 min Scan# 621
Delta R.T. 0.012 min
Lab File: VN074422.D
Acq: 12 Sep 2022 20:51

Tgt Ion: 73 Resp: 57582
Ion Ratio Lower Upper
73 100
57 18.7 17.7 26.5

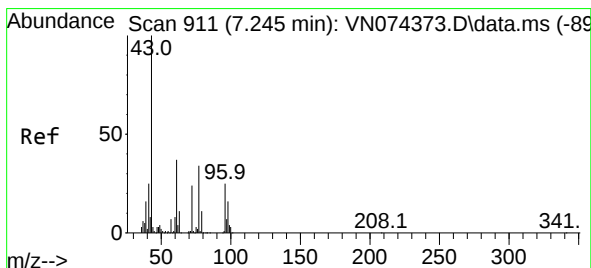
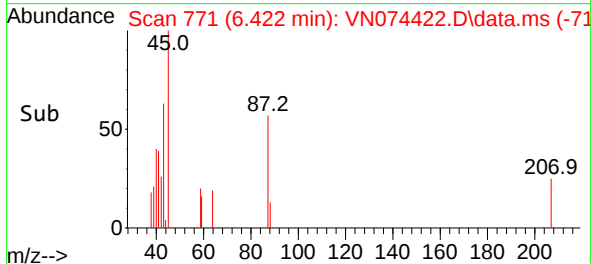
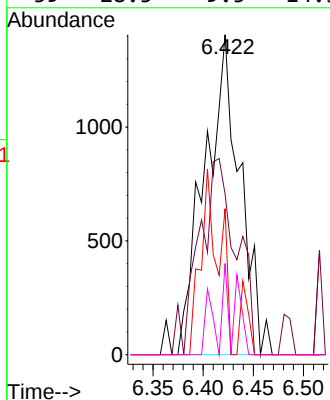
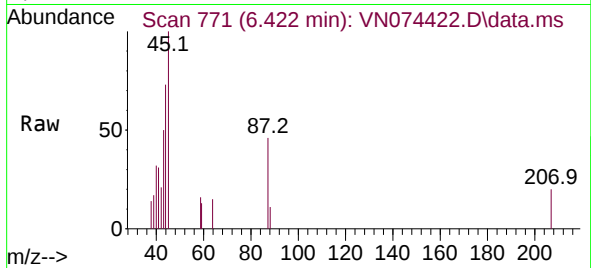




#22
Diisopropyl ether
Concen: 0.215 ug/l
RT: 6.422 min Scan# 771
Delta R.T. 0.012 min
Lab File: VN074422.D
Acq: 12 Sep 2022 20:51

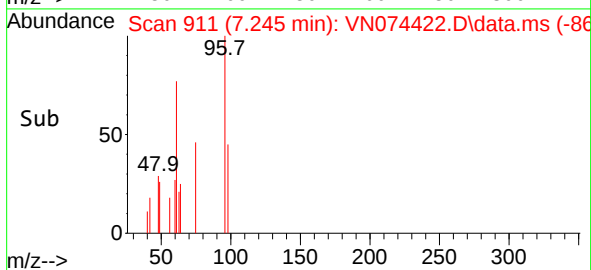
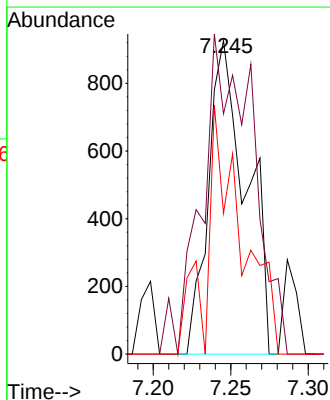
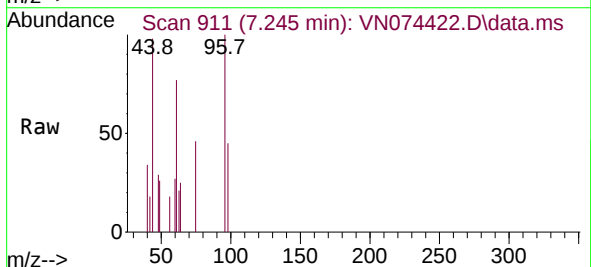
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-203-205

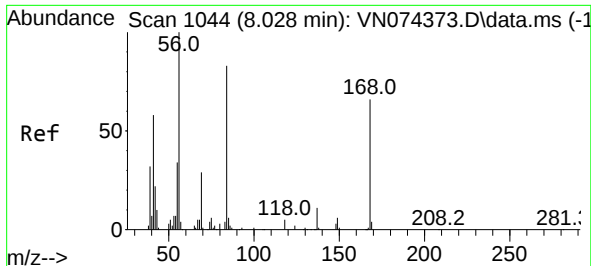
Tgt Ion:	45	Resp:	3446
Ion	Ratio	Lower	Upper
45	100		
43	50.2	49.4	74.0
87	45.7	21.3	31.9#
59	28.5	9.5	14.3#



#27
cis-1,2-Dichloroethene
Concen: 0.314 ug/l
RT: 7.245 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN074422.D
Acq: 12 Sep 2022 20:51

Tgt Ion:	96	Resp:	1573
Ion	Ratio	Lower	Upper
96	100		
61	137.6	0.0	306.2
98	74.4	0.0	129.8

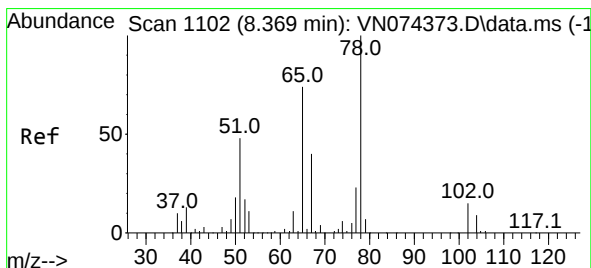
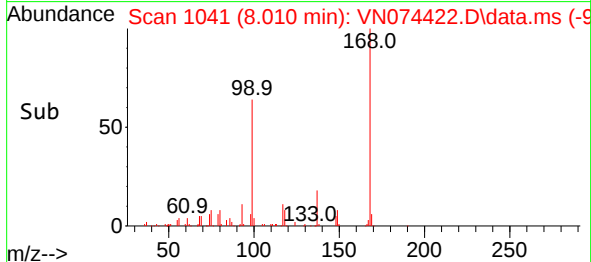
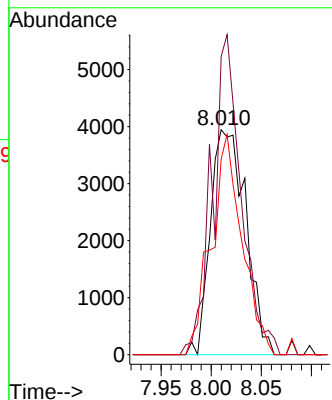
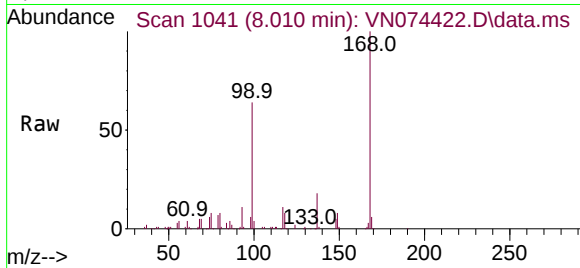




#31
Cyclohexane
Concen: 1.207 ug/l
RT: 8.010 min Scan# 1103
Delta R.T. -0.018 min
Lab File: VN074422.D
Acq: 12 Sep 2022 20:51

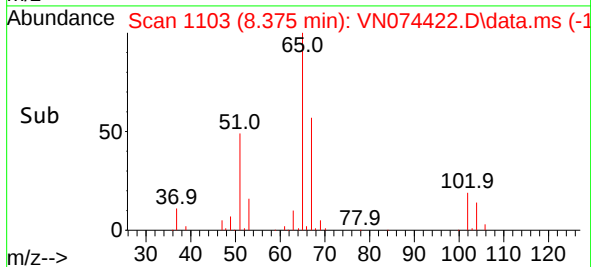
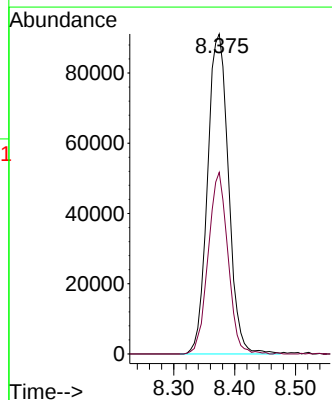
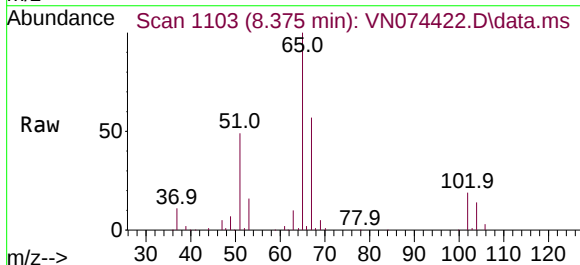
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ClientSampleId :
BP-VPB-RW5-GW-203-205

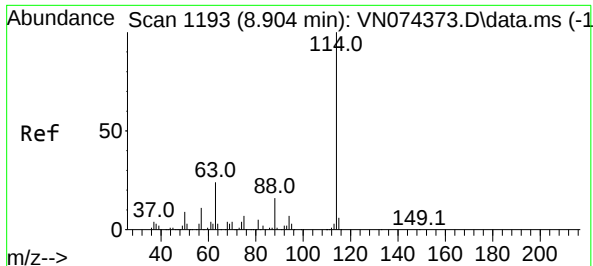
Tgt Ion: 56 Resp: 9680
Ion Ratio Lower Upper
56 100
69 132.5 23.0 34.4#
84 93.5 66.3 99.5



#33
1,2-Dichloroethane-d4
Concen: 43.139 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN074422.D
Acq: 12 Sep 2022 20:51

Tgt Ion: 65 Resp: 217526
Ion Ratio Lower Upper
65 100
67 53.5 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: VN074422.D

Acq: 12 Sep 2022 20:51

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW5-GW-203-205

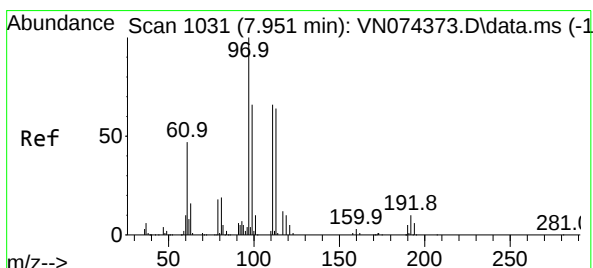
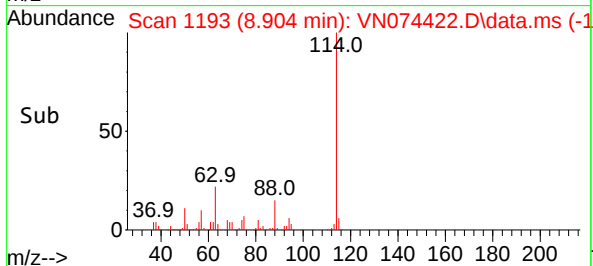
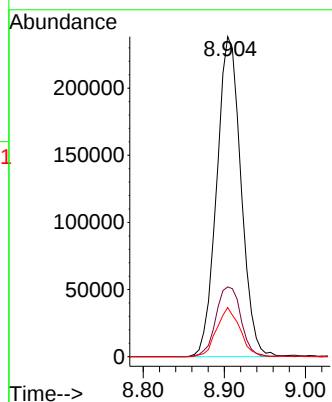
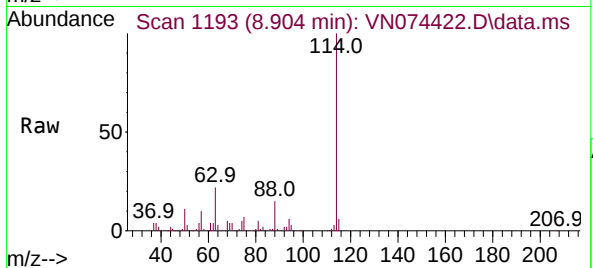
Tgt Ion:114 Resp: 495511

Ion Ratio Lower Upper

114 100

63 21.8 0.0 47.6

88 15.4 0.0 31.4



#35

Dibromofluoromethane

Concen: 53.514 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN074422.D

Acq: 12 Sep 2022 20:51

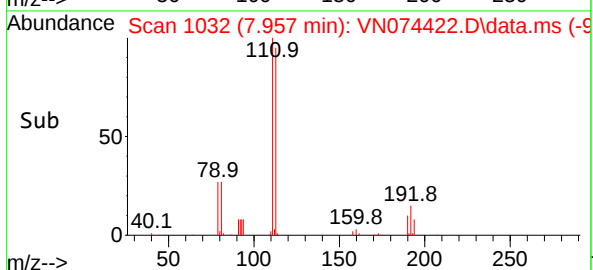
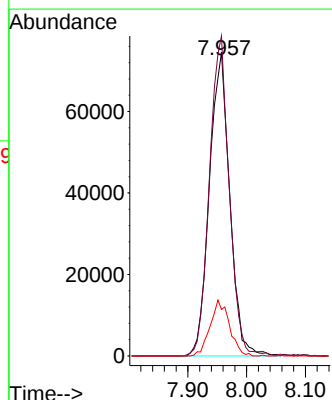
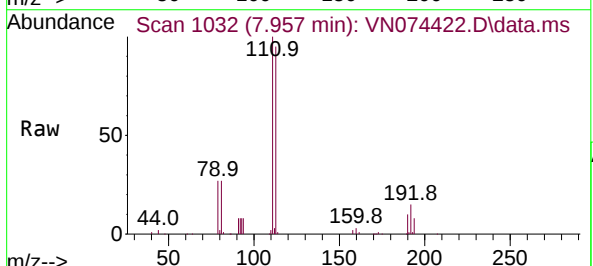
Tgt Ion:113 Resp: 179013

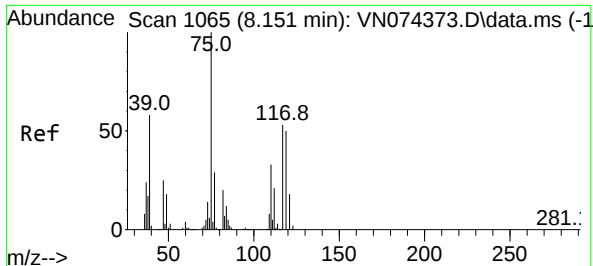
Ion Ratio Lower Upper

113 100

111 102.4 83.0 124.4

192 17.5 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.398 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.129 min

Lab File: VN074422.D

Acq: 12 Sep 2022 20:51

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW5-GW-203-205

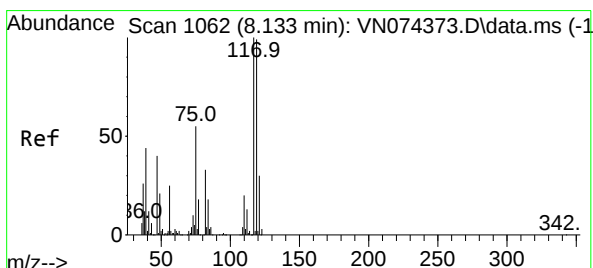
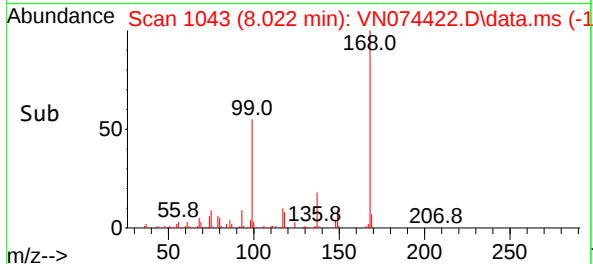
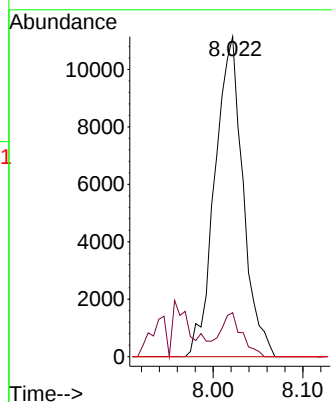
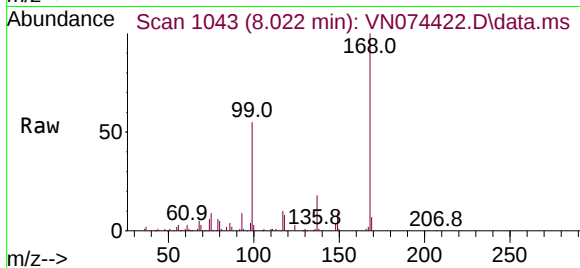
Tgt Ion: 75 Resp: 24240

Ion Ratio Lower Upper

75 100

110 10.3 16.4 49.1#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 5.456 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN074422.D

Acq: 12 Sep 2022 20:51

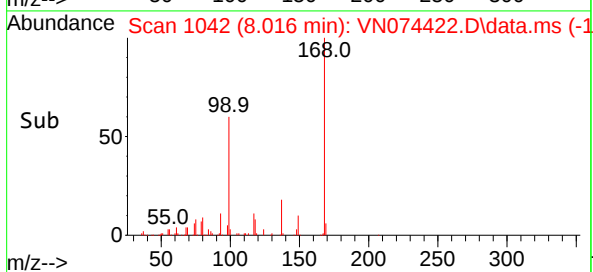
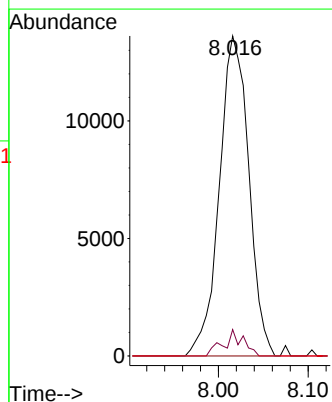
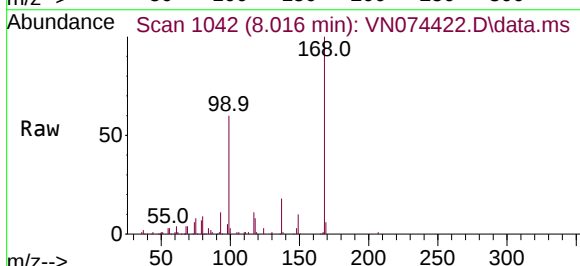
Tgt Ion: 117 Resp: 31039

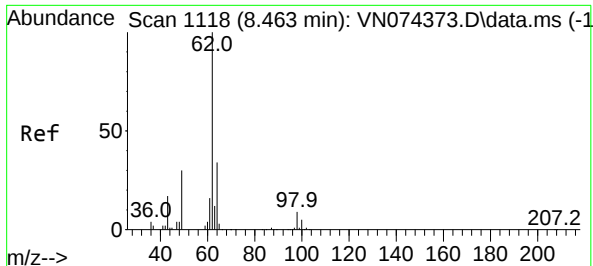
Ion Ratio Lower Upper

117 100

119 8.3 78.8 118.2#

121 0.0 24.1 36.1#





#42

1,2-Dichloroethane

Concen: 0.239 ug/l

RT: 8.475 min Scan# 1118

Delta R.T. 0.012 min

Lab File: VN074422.D

Acq: 12 Sep 2022 20:51

Instrument :

MSVOA_N

ClientSampleId :

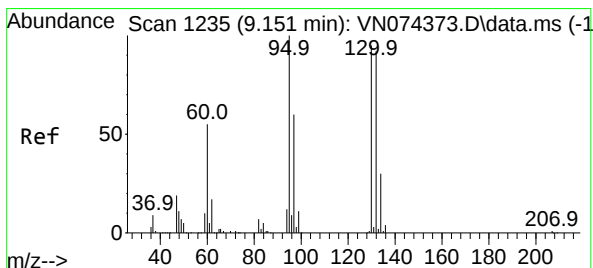
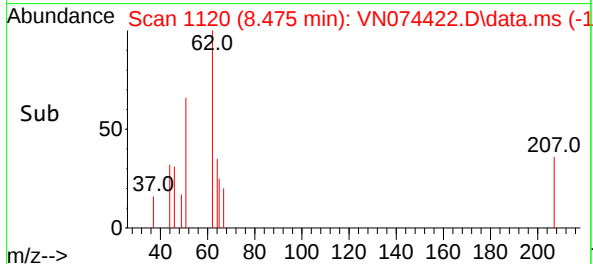
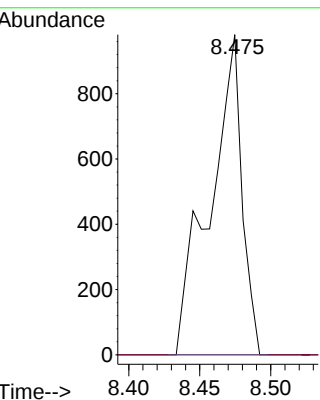
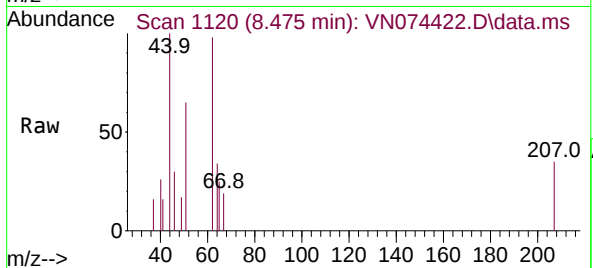
BP-VPB-RW5-GW-203-205

Tgt Ion: 62 Resp: 1540

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.6



#44

Trichloroethene

Concen: 9.371 ug/l

RT: 9.151 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VN074422.D

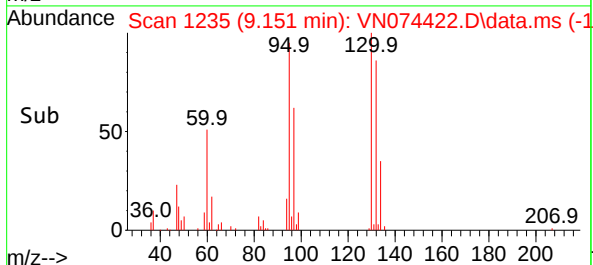
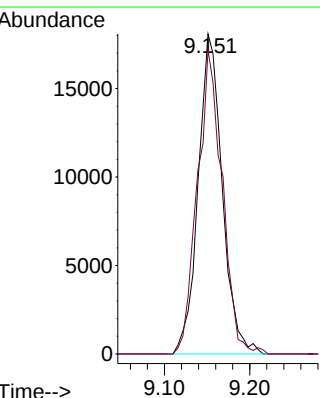
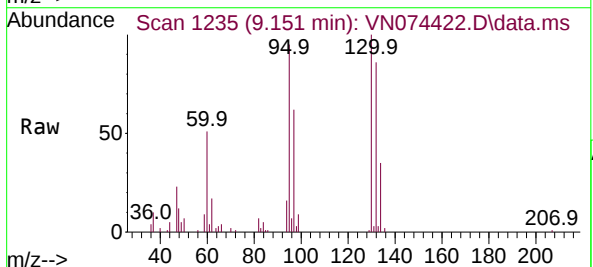
Acq: 12 Sep 2022 20:51

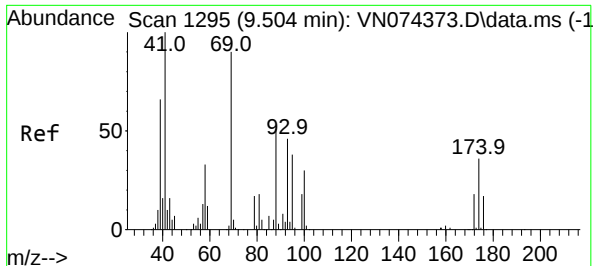
Tgt Ion:130 Resp: 35450

Ion Ratio Lower Upper

130 100

95 95.0 0.0 210.0





#49

1,4-Dioxane

Concen: 3.459 ug/l

RT: 9.510 min Scan# 1295

Delta R.T. 0.006 min

Lab File: VN074422.D

Acq: 12 Sep 2022 20:51

Instrument :

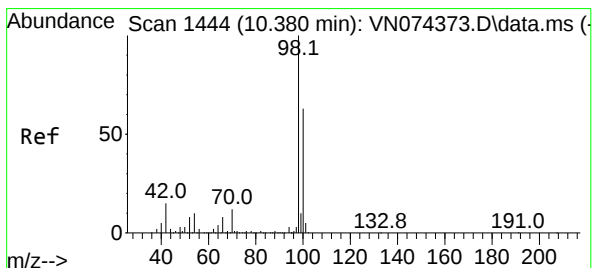
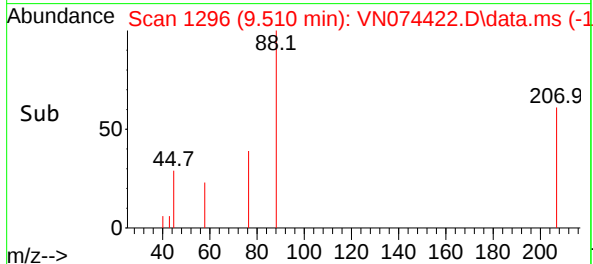
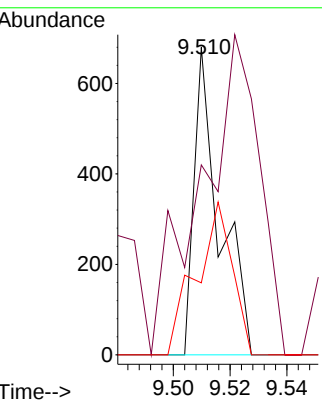
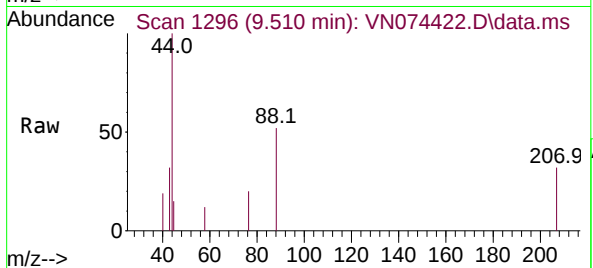
MSVOA_N

ClientSampleId :

BP-VPB-RW5-GW-203-205

Tgt Ion: 88 Resp: 420

Ion	Ratio	Lower	Upper
88	100		
43	240.5	26.9	40.3#
58	71.2	52.7	79.1



#50

Toluene-d8

Concen: 46.197 ug/l

RT: 10.380 min Scan# 1444

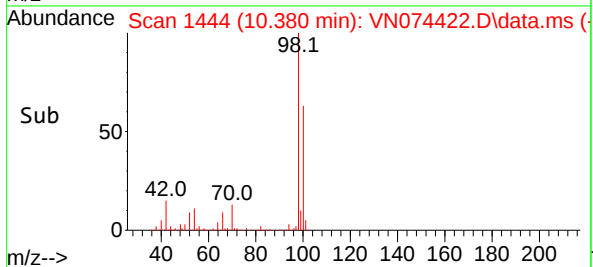
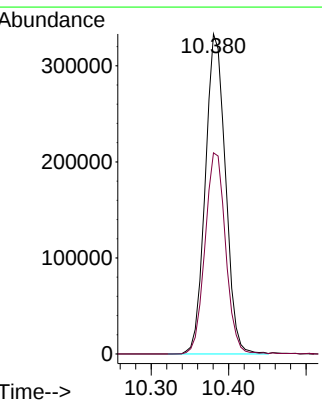
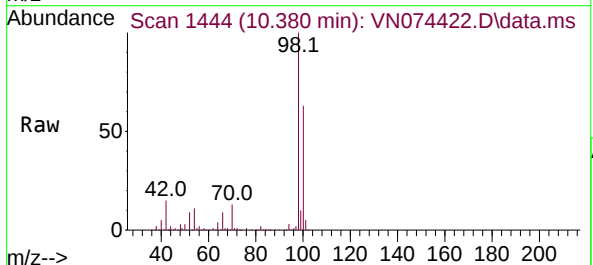
Delta R.T. 0.000 min

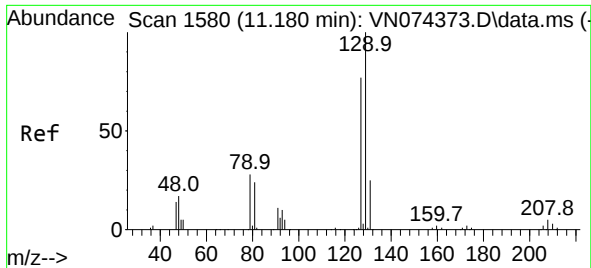
Lab File: VN074422.D

Acq: 12 Sep 2022 20:51

Tgt Ion: 98 Resp: 602153

Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.6	76.0

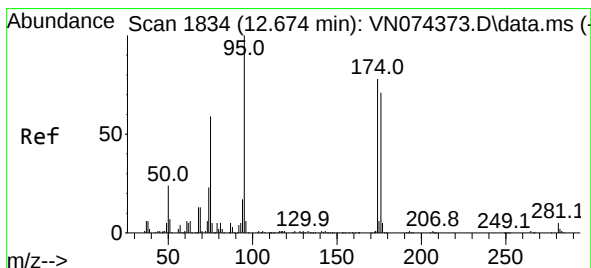
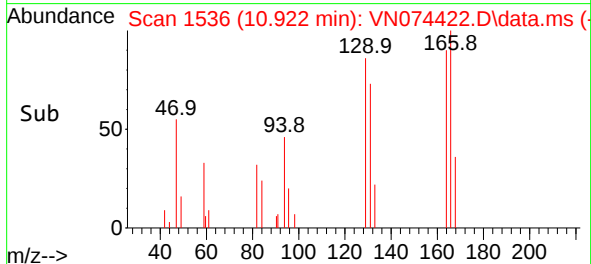
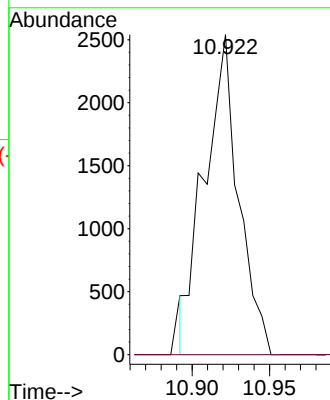
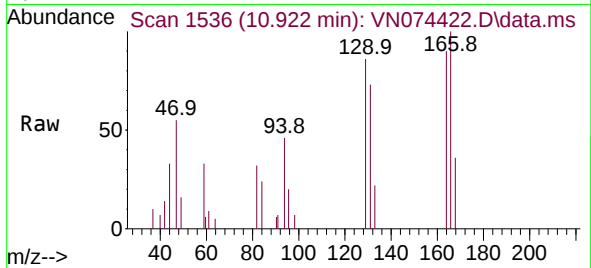




#60
Dibromochloromethane
Concen: 0.887 ug/l
RT: 10.922 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN074422.D
Acq: 12 Sep 2022 20:51

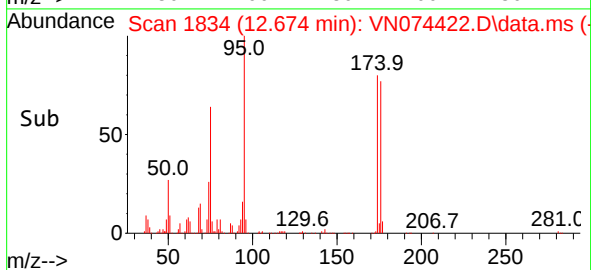
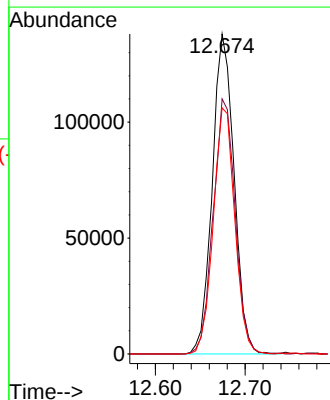
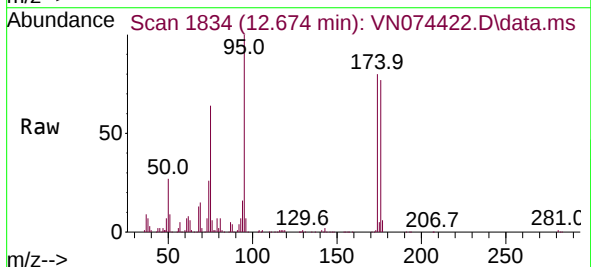
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-203-205

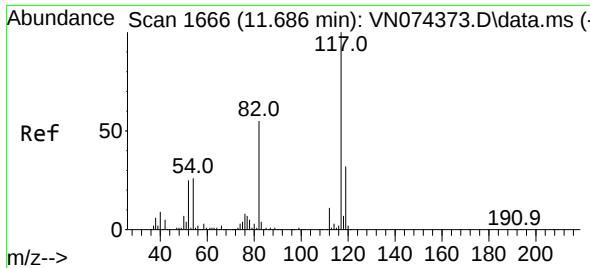
Tgt Ion:129 Resp: 3863
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.3#



#62
4-Bromofluorobenzene
Concen: 49.149 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074422.D
Acq: 12 Sep 2022 20:51

Tgt Ion: 95 Resp: 232588
Ion Ratio Lower Upper
95 100
174 80.6 0.0 150.6
176 76.2 0.0 143.4

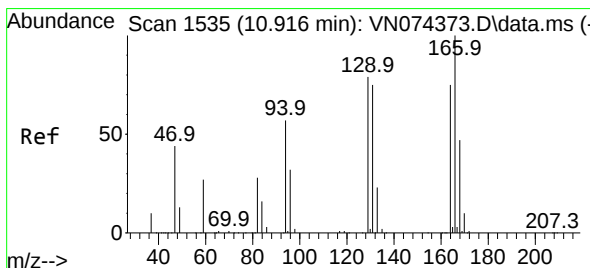
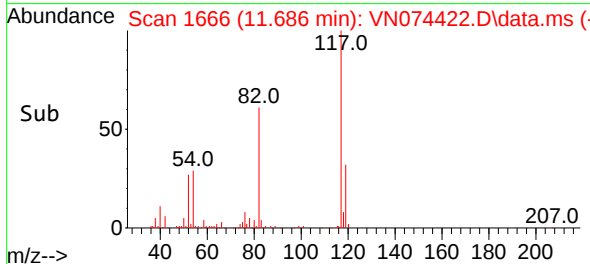
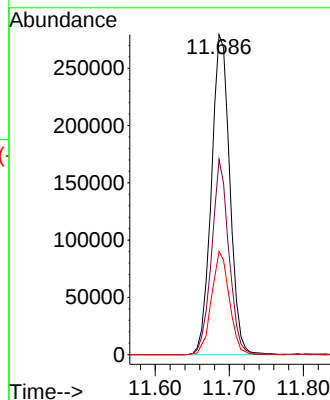
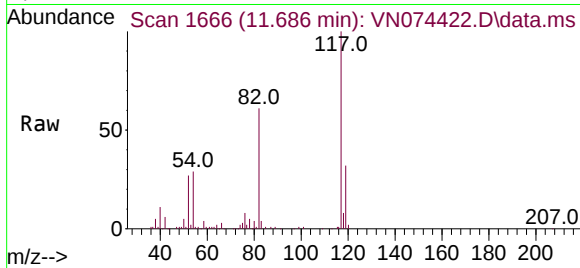




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074422.D
Acq: 12 Sep 2022 20:51

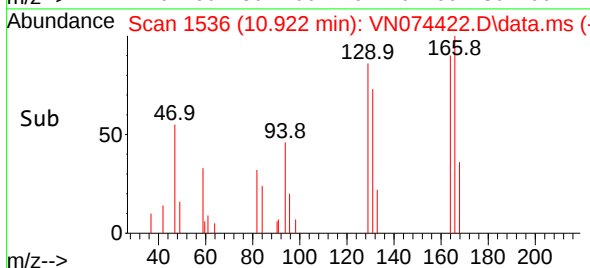
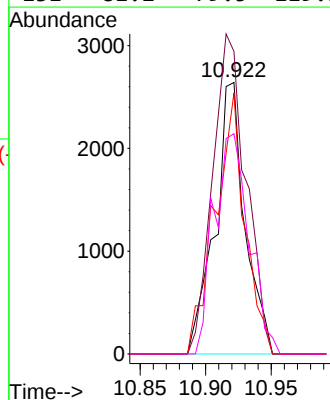
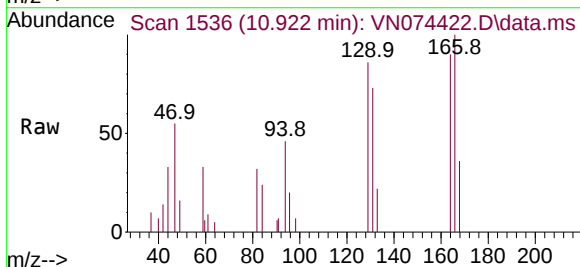
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-203-205

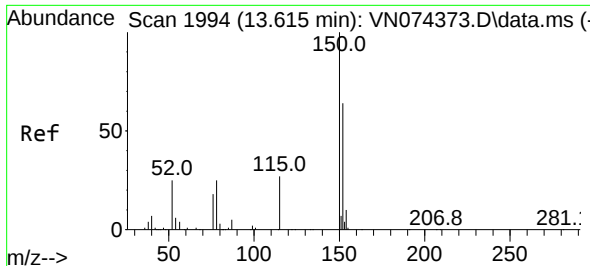
Tgt Ion:117 Resp: 480955
Ion Ratio Lower Upper
117 100
82 61.0 44.3 66.5
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 1.287 ug/l
RT: 10.922 min Scan# 1536
Delta R.T. 0.006 min
Lab File: VN074422.D
Acq: 12 Sep 2022 20:51

Tgt Ion:164 Resp: 4196
Ion Ratio Lower Upper
164 100
166 111.4 106.6 160.0
129 96.1 84.0 126.0
131 81.2 79.5 119.3

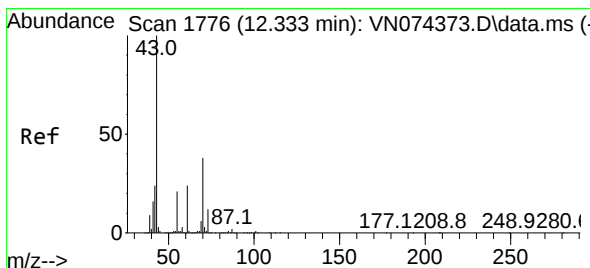
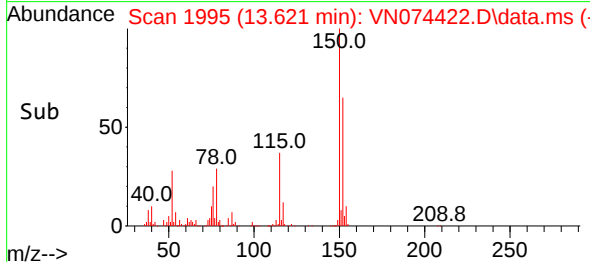
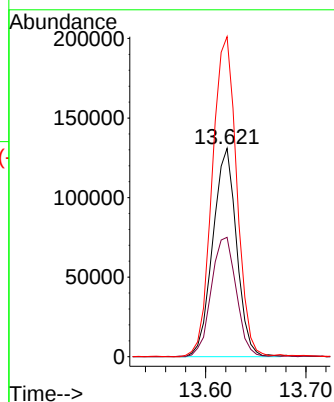
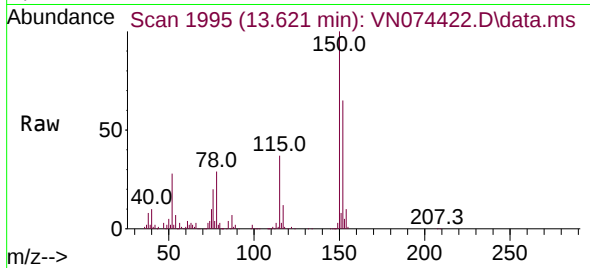




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.621 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VN074422.D
Acq: 12 Sep 2022 20:51

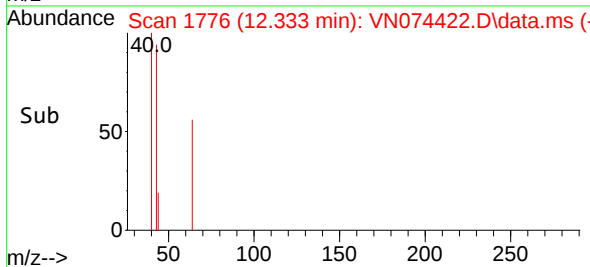
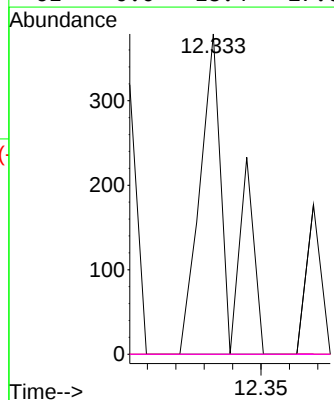
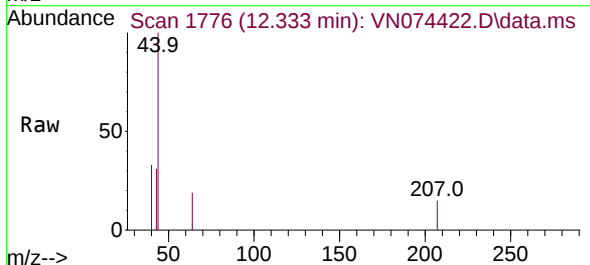
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-203-205

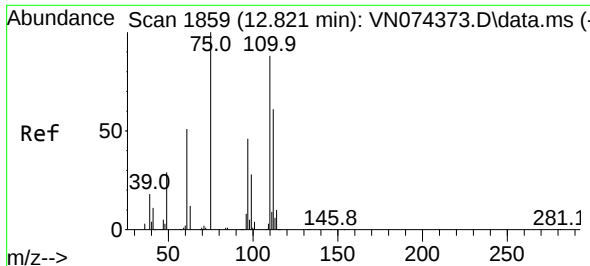
Tgt Ion:152 Resp: 215727
Ion Ratio Lower Upper
152 100
115 60.2 32.0 96.0
150 158.1 0.0 359.6



#74
N-ethyl acetate
Concen: Below Cal
RT: 12.333 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN074422.D
Acq: 12 Sep 2022 20:51

Tgt Ion: 43 Resp: 271
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#

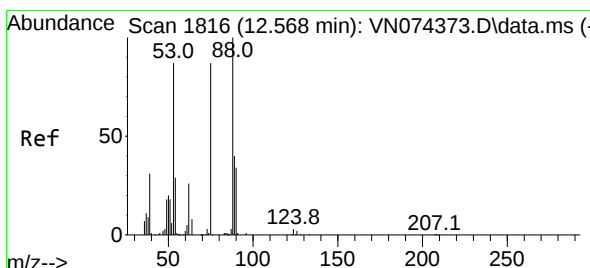
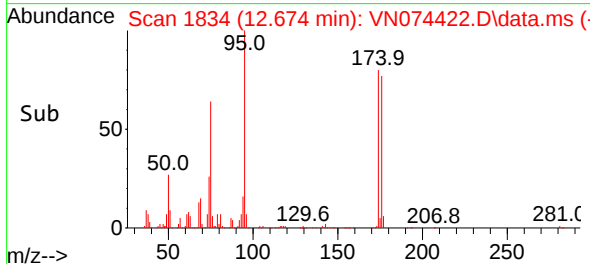
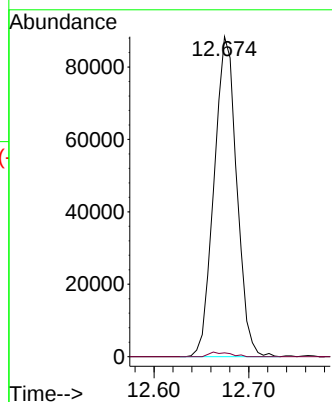
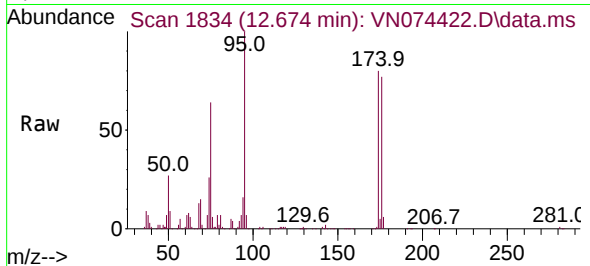




#76
1,2,3-Trichloropropane
Concen: 26.075 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074422.D
Acq: 12 Sep 2022 20:51

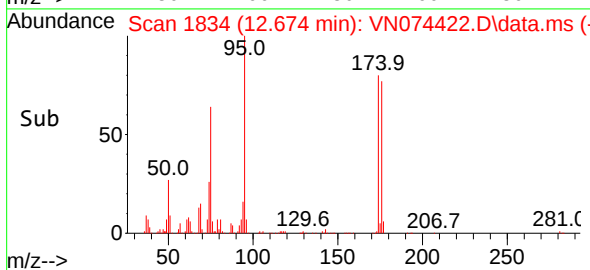
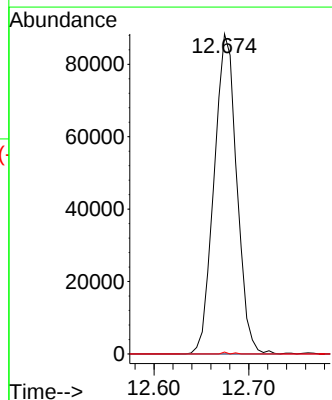
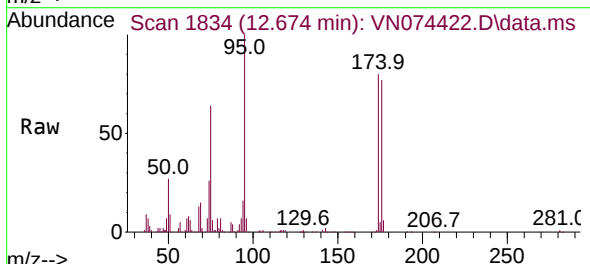
Instrument : MSVOA_N
ClientSampleId : BP-VPB-RW5-GW-203-205

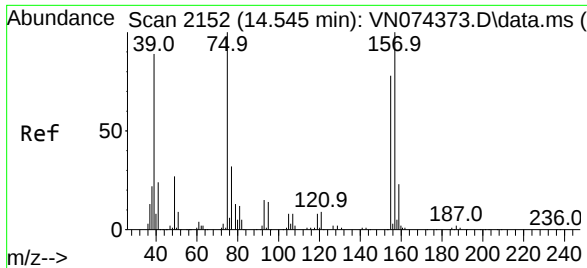
Tgt Ion: 75 Resp: 147048
Ion Ratio Lower Upper
75 100
77 1.3 78.9 236.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.120 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074422.D
Acq: 12 Sep 2022 20:51

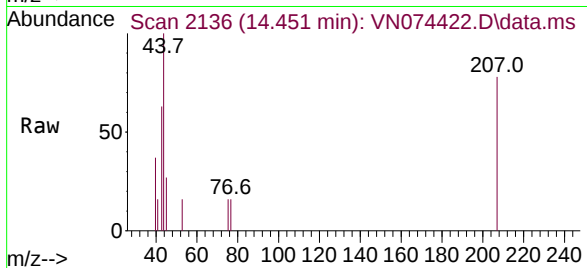
Tgt Ion: 75 Resp: 147048
Ion Ratio Lower Upper
75 100
53 0.0 82.2 123.2#
89 0.2 37.7 56.5#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.451 min Scan# 21
 Delta R.T. -0.094 min
 Lab File: VN074422.D
 Acq: 12 Sep 2022 20:51

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-203-205



Tgt Ion: 75 Resp: 62
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.6 109.9#
 157 0.0 46.2 138.5#

