

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091322\
 Data File : VN074428.D
 Acq On : 13 Sep 2022 13:10
 Operator : JC\MD
 Sample : N4558-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-218-220

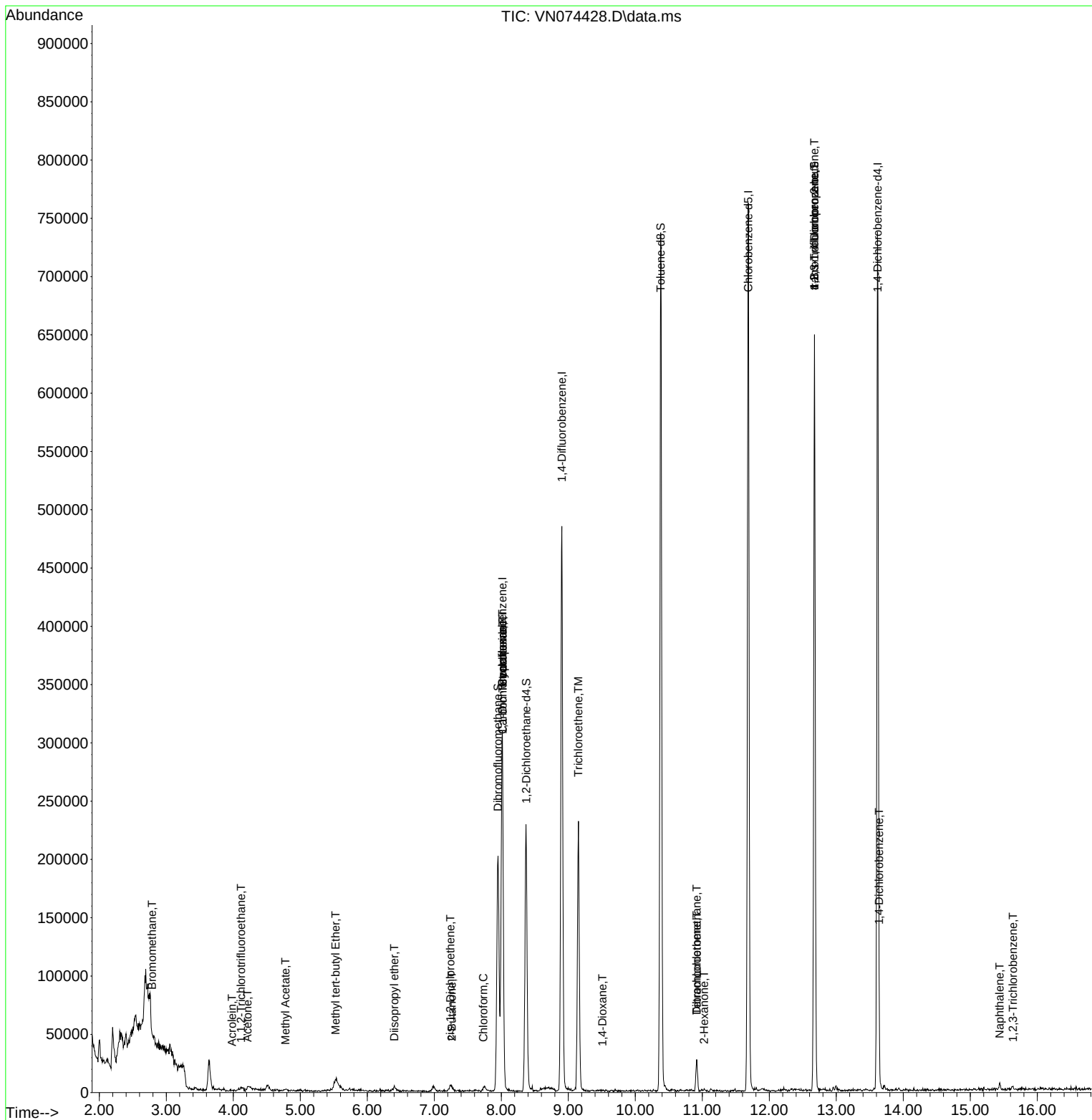
Quant Time: Sep 13 17:14:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 06:10:29 2022
 Response via : Initial Calibration

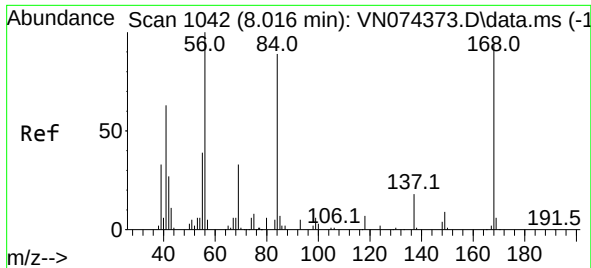
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.016	168	206281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	382568	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	379355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	167019	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	171942	48.177	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.360%		
35) Dibromofluoromethane	7.951	113	138913	53.786	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	107.580%		
50) Toluene-d8	10.380	98	469078	46.612	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.220%		
62) 4-Bromofluorobenzene	12.674	95	186876	51.147	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.300%		
Target Compounds						Qvalue
3) Chloromethane	2.275	50	1875	Below Cal		97
5) Bromomethane	2.787	94	1351	0.433 ug/l #		40
9) 1,1,2-Trichlorotrifluo...	4.116	101	1090	0.412 ug/l #		22
13) Acrolein	3.981	56	135	0.218 ug/l #		58
16) Acetone	4.210	43	1944	1.009 ug/l #		80
18) Methyl Acetate	4.781	43	2893	0.509 ug/l		96
19) Methyl tert-butyl Ether	5.528	73	11756	1.136 ug/l #		83
20) Methylene Chloride	5.028	84	57	Below Cal #		3
22) Diisopropyl ether	6.404	45	4842	0.426 ug/l #		77
25) 2-Butanone	7.263	43	1236	0.382 ug/l #		58
27) cis-1,2-Dichloroethene	7.239	96	1879	0.529 ug/l		67
28) Bromochloromethane	7.745	49	54	Below Cal #		20
30) Chloroform	7.733	83	2242	0.385 ug/l #		71
31) Cyclohexane	8.016	56	7625	1.343 ug/l #		48
36) 1,1-Dichloropropene	8.022	75	21284	5.002 ug/l #		52
38) Carbon Tetrachloride	8.022	117	23102	5.259 ug/l #		16
44) Trichloroethene	9.151	130	67349	23.060 ug/l		89
49) 1,4-Dioxane	9.510	88	560	5.974 ug/l #		82
59) 2-Hexanone	11.027	43	1298	0.255 ug/l		85
60) Dibromochloromethane	10.916	129	4445	1.322 ug/l #		11
64) Tetrachloroethene	10.916	164	4747	1.846 ug/l #		80
74) N-amyl acetate	12.327	43	815	Below Cal #		65
76) 1,2,3-Trichloropropane	12.674	75	118425	27.123 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.674	75	118425	60.457 ug/l #		9
88) 1,4-Dichlorobenzene	13.639	146	1692	0.263 ug/l #		24
92) 1,2-Dibromo-3-Chloropr...	14.551	75	91	Below Cal #		41
95) Naphthalene	15.439	128	4505	0.345 ug/l #		93
96) 1,2,3-Trichlorobenzene	15.639	180	1133	0.328 ug/l #		57

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

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Quant Title : SW846 8260
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Response via : Initial Calibration

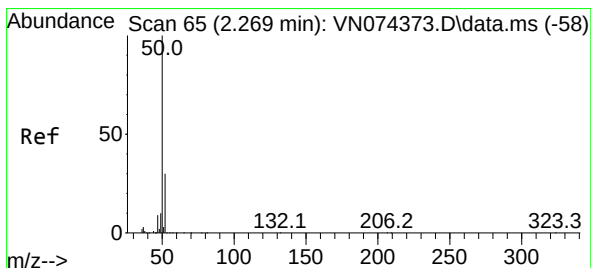
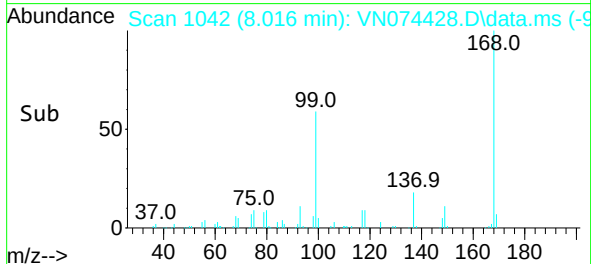
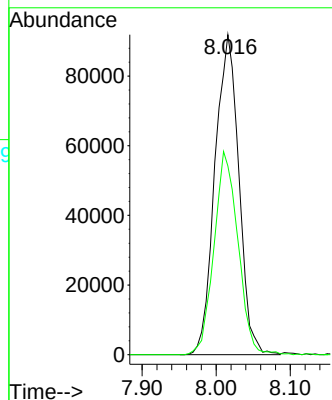
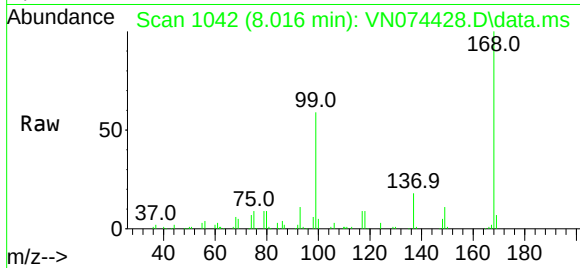




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

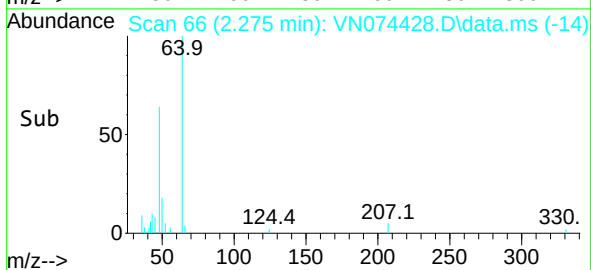
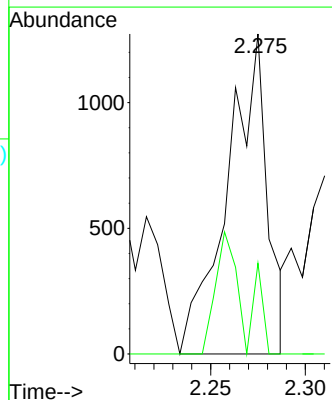
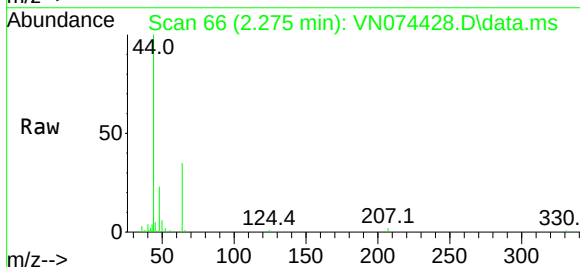
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-218-220

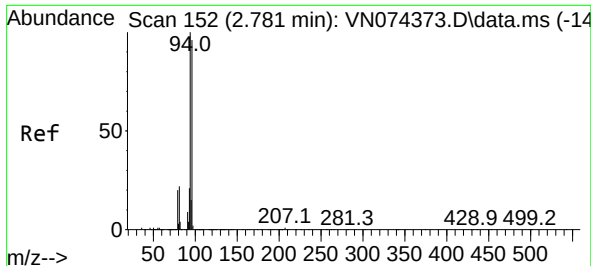
Tgt Ion:168 Resp: 206281
Ion Ratio Lower Upper
168 100
99 59.0 52.8 79.2



#3
Chloromethane
Concen: Below Cal
RT: 2.275 min Scan# 66
Delta R.T. 0.006 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

Tgt Ion: 50 Resp: 1875
Ion Ratio Lower Upper
50 100
52 28.4 24.1 36.1

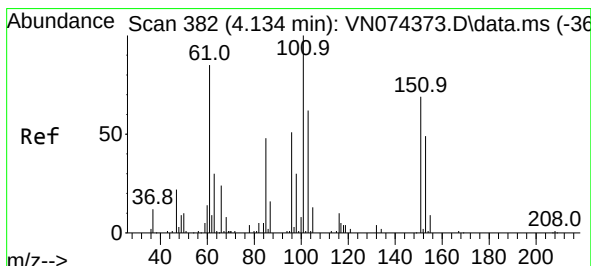
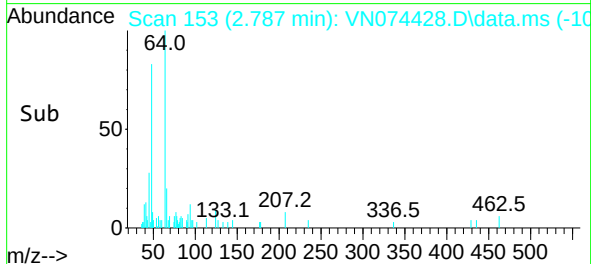
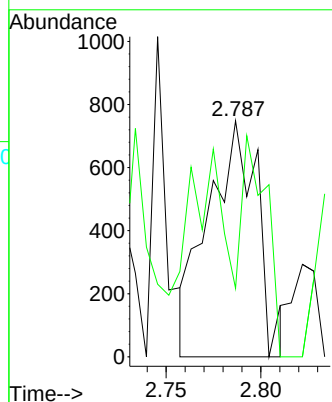
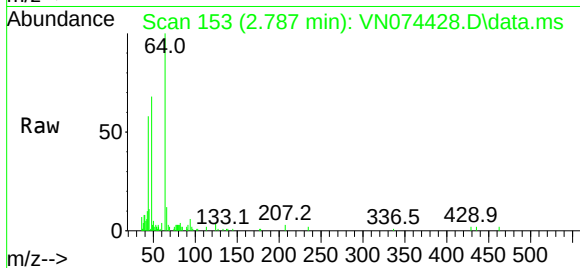




#5
Bromomethane
Concen: 0.433 ug/l
RT: 2.787 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

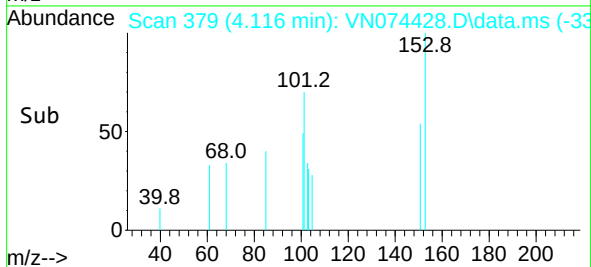
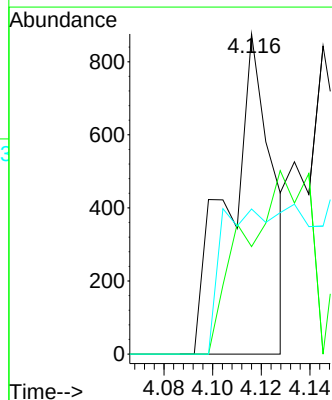
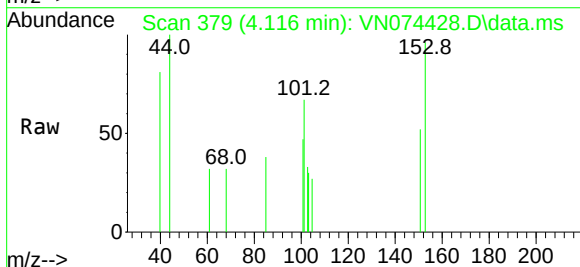
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-218-220

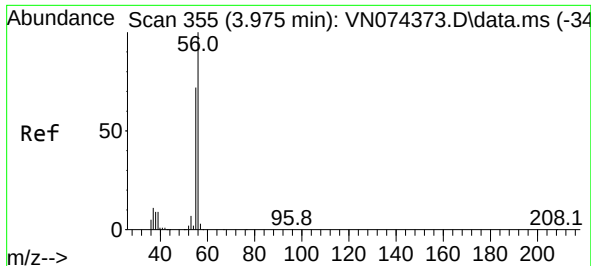
Tgt Ion: 94 Resp: 1351
Ion Ratio Lower Upper
94 100
96 37.1 76.7 115.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.412 ug/l
RT: 4.116 min Scan# 379
Delta R.T. -0.018 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

Tgt Ion: 101 Resp: 1090
Ion Ratio Lower Upper
101 100
85 94.9 39.5 59.3#
151 0.0 57.8 86.6#

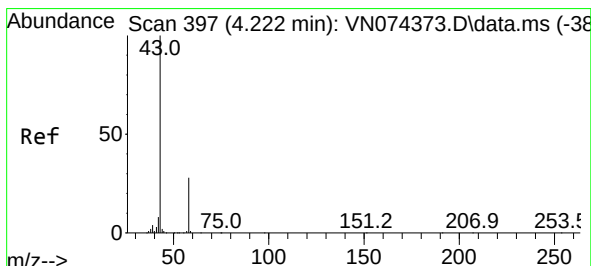
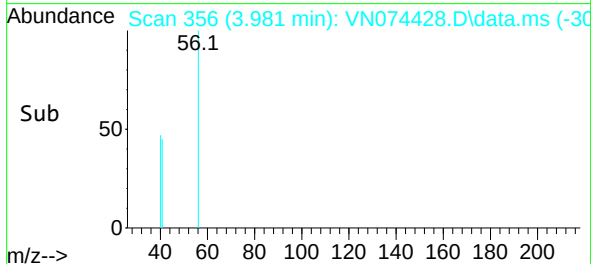
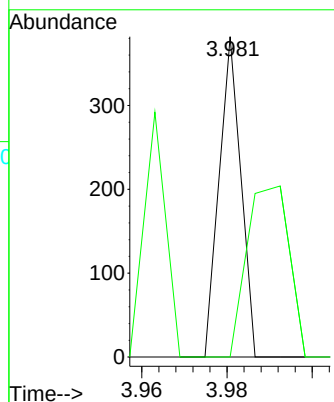
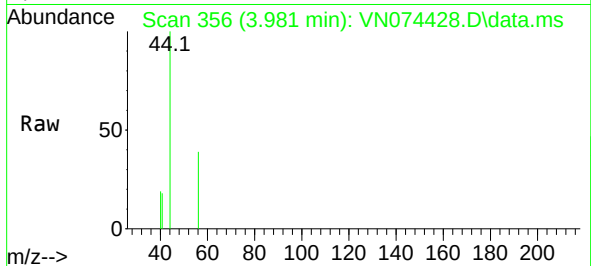




#13
Acrolein
Concen: 0.218 ug/l
RT: 3.981 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

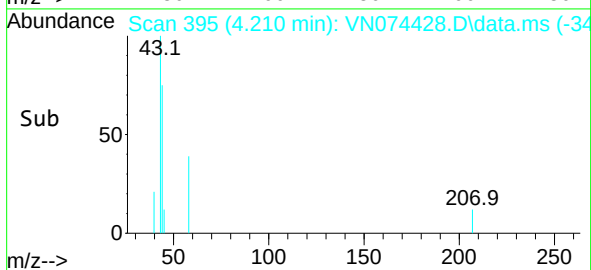
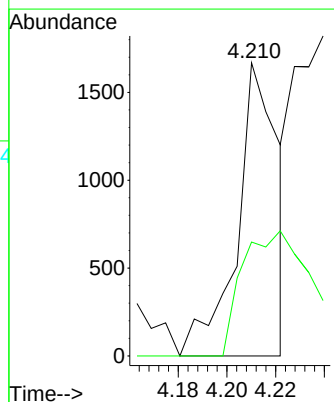
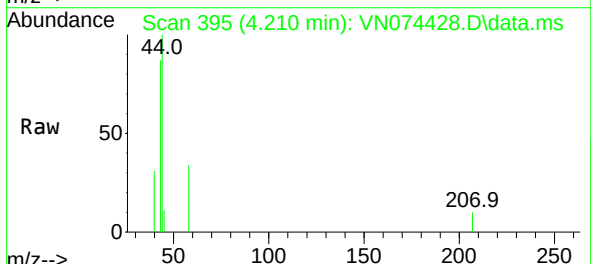
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-218-220

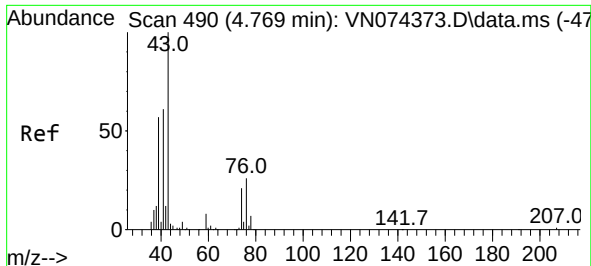
Tgt Ion: 56 Resp: 135
Ion Ratio Lower Upper
56 100
55 104.4 56.2 84.4#



#16
Acetone
Concen: 1.009 ug/l
RT: 4.210 min Scan# 395
Delta R.T. -0.012 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

Tgt Ion: 43 Resp: 1944
Ion Ratio Lower Upper
43 100
58 38.8 22.7 34.1#

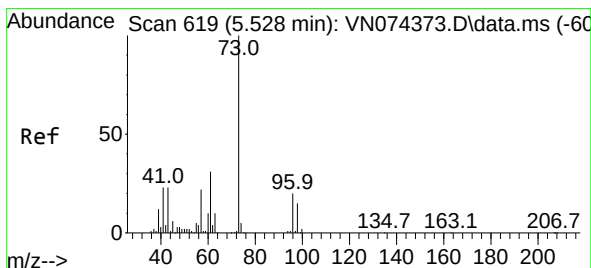
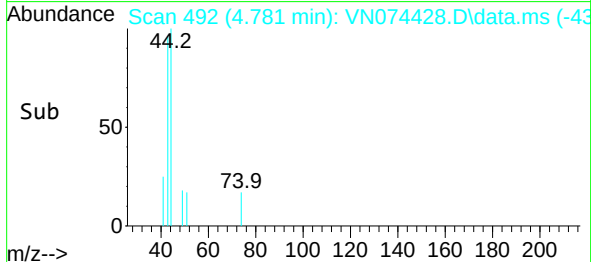
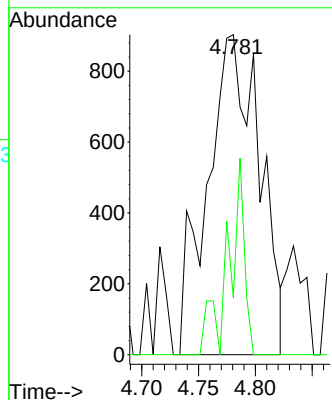
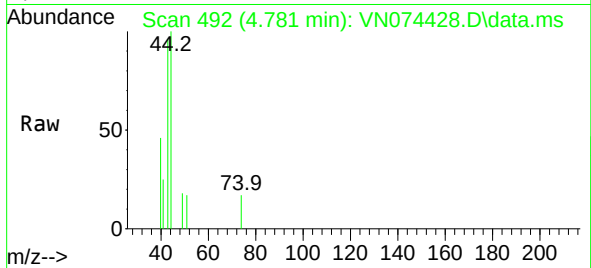




#18
Methyl Acetate
Concen: 0.509 ug/l
RT: 4.781 min Scan# 491
Delta R.T. 0.012 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

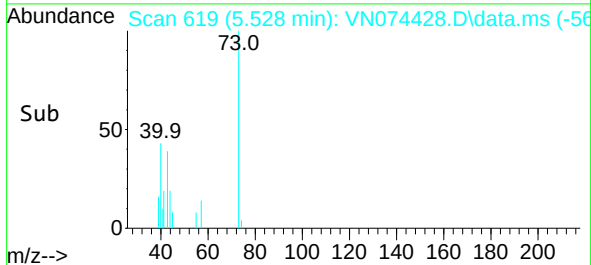
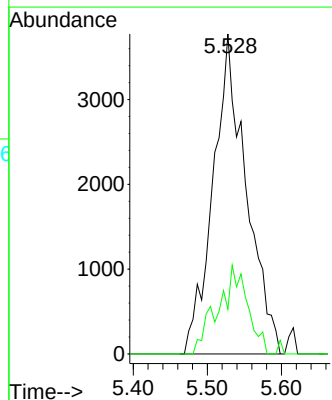
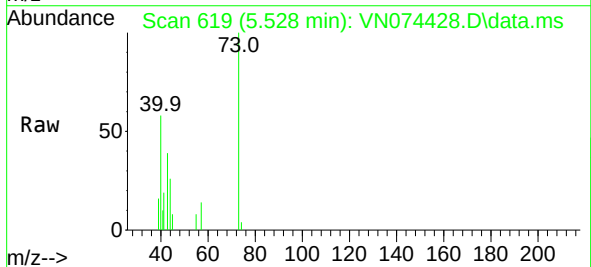
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-218-220

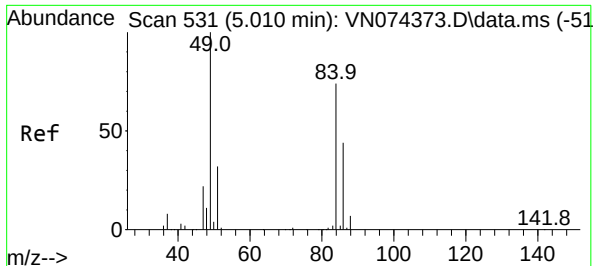
Tgt Ion: 43 Resp: 2893
Ion Ratio Lower Upper
43 100
74 19.0 16.7 25.1



#19
Methyl tert-butyl Ether
Concen: 1.136 ug/l
RT: 5.528 min Scan# 619
Delta R.T. -0.000 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

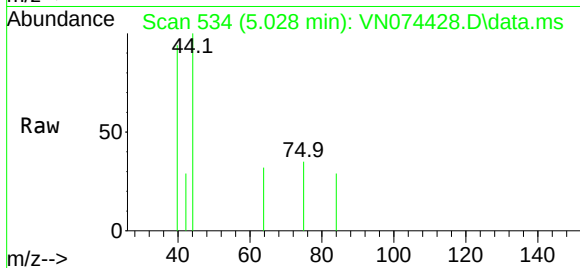
Tgt Ion: 73 Resp: 11756
Ion Ratio Lower Upper
73 100
57 14.0 17.7 26.5#



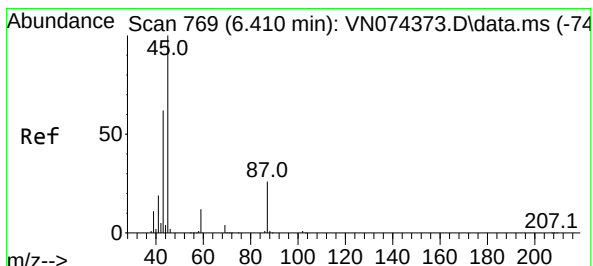
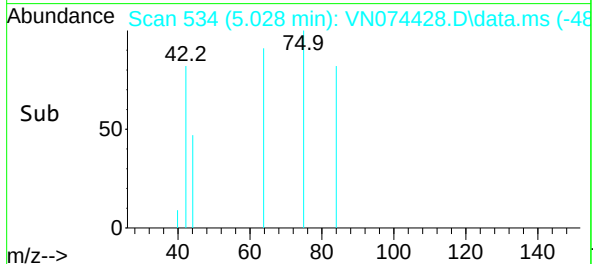
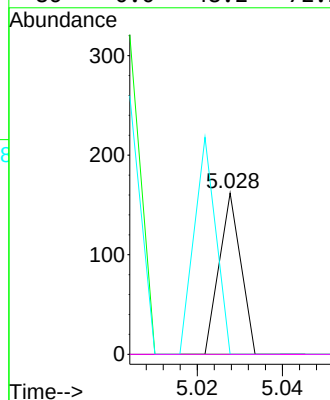


#20
Methylene Chloride
Concen: Below Cal
RT: 5.028 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-218-220

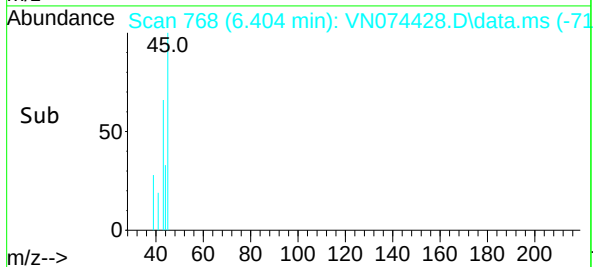
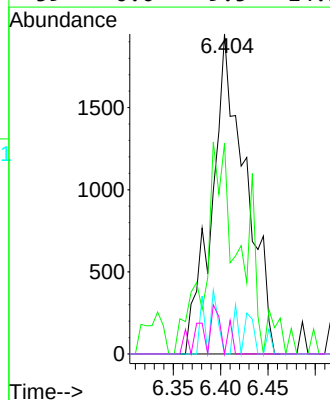
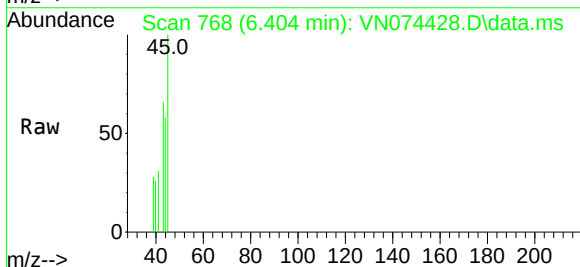


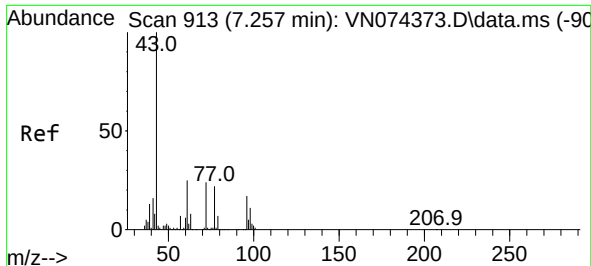
Tgt Ion:	84	Resp:	57
Ion	Ratio	Lower	Upper
84	100		
49	0.0	108.2	162.4#
51	0.0	34.3	51.5#
86	0.0	48.2	72.2#



#22
Diisopropyl ether
Concen: 0.426 ug/l
RT: 6.404 min Scan# 768
Delta R.T. -0.006 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

Tgt Ion:	45	Resp:	4842
Ion	Ratio	Lower	Upper
45	100		
43	54.8	49.4	74.0
87	0.0	21.3	31.9#
59	0.0	9.5	14.3#

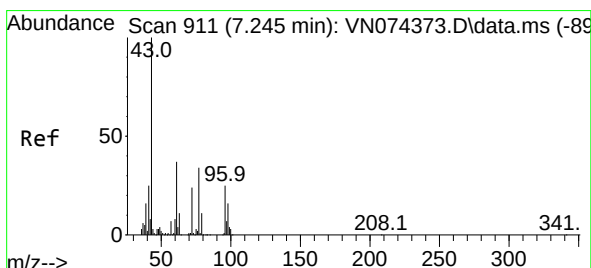
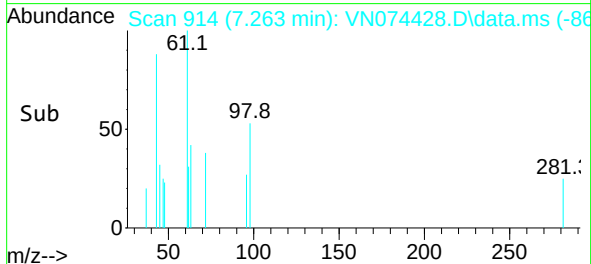
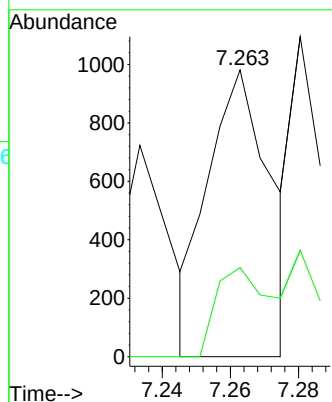
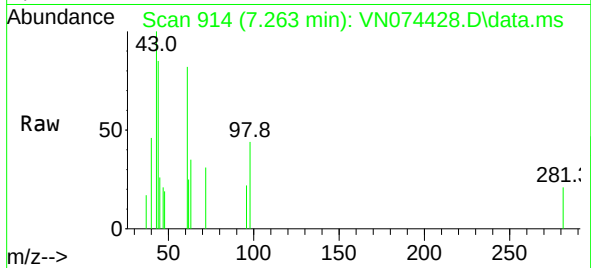




#25
2-Butanone
Concen: 0.382 ug/l
RT: 7.263 min Scan# 910
Delta R.T. 0.006 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

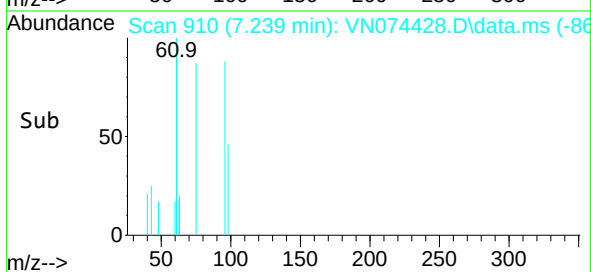
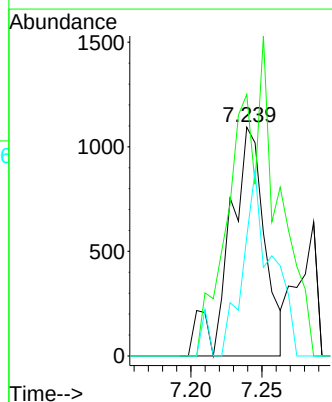
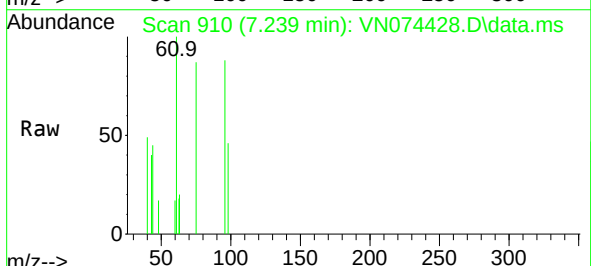
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BP-VPB-RW5-GW-218-220

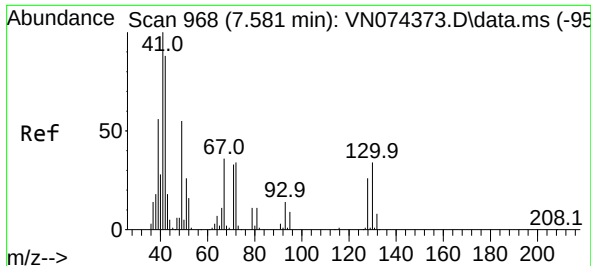
Tgt Ion: 43 Resp: 1236
Ion Ratio Lower Upper
43 100
72 44.2 18.9 28.3#



#27
cis-1,2-Dichloroethene
Concen: 0.529 ug/l
RT: 7.239 min Scan# 910
Delta R.T. -0.006 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

Tgt Ion: 96 Resp: 1879
Ion Ratio Lower Upper
96 100
61 94.4 0.0 306.2
98 66.8 0.0 129.8

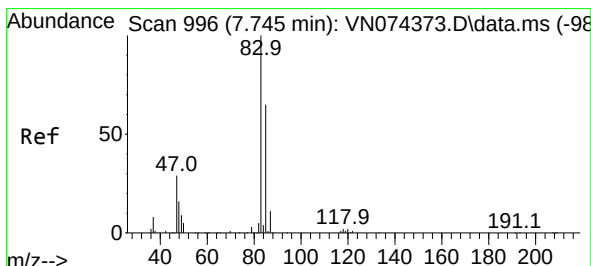
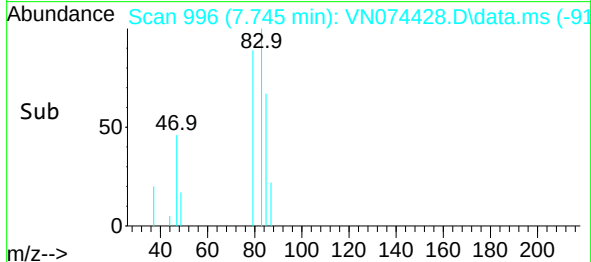
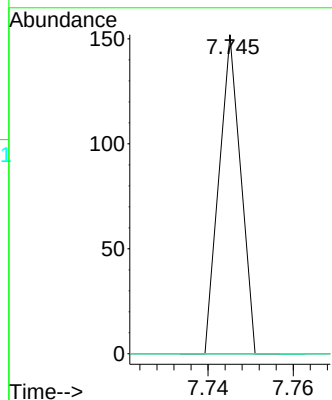
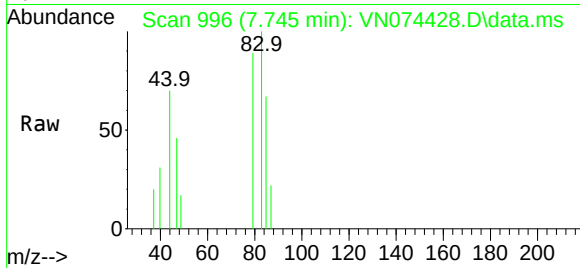




#28
Bromochloromethane
Concen: Below Cal
RT: 7.745 min Scan# 991
Delta R.T. 0.164 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

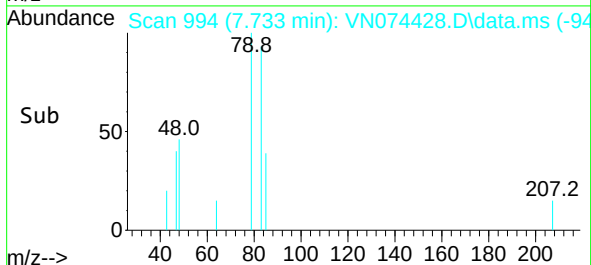
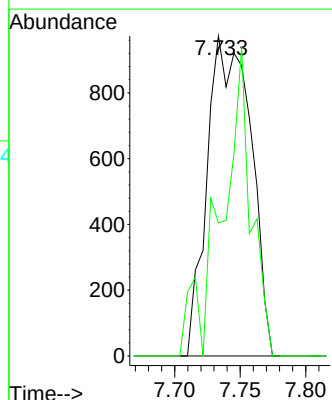
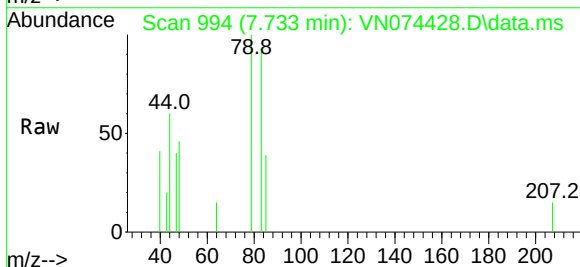
Instrument :
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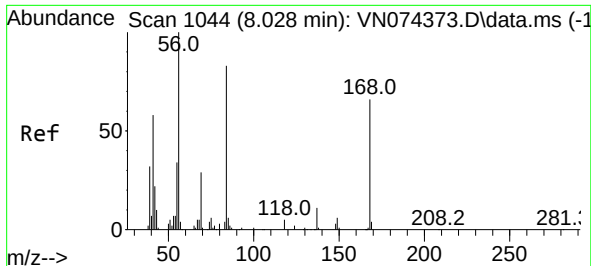
Tgt Ion: 49 Resp: 54
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 0.0 50.0 75.0#



#30
Chloroform
Concen: 0.385 ug/l
RT: 7.733 min Scan# 994
Delta R.T. -0.012 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

Tgt Ion: 83 Resp: 2242
Ion Ratio Lower Upper
83 100
85 41.6 51.8 77.6#

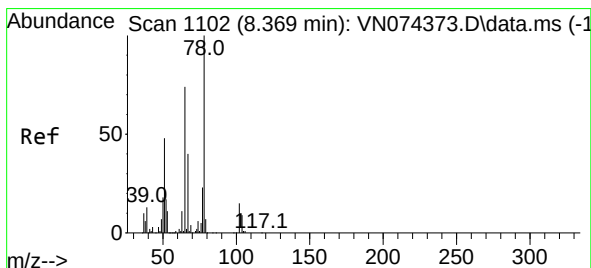
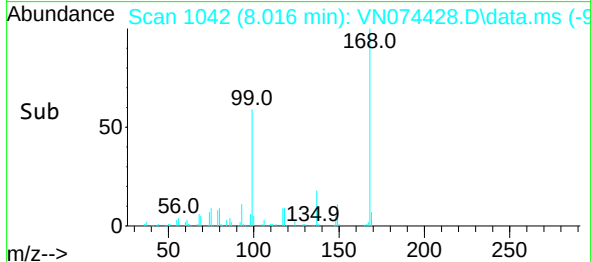
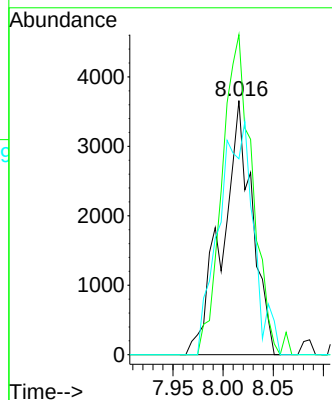
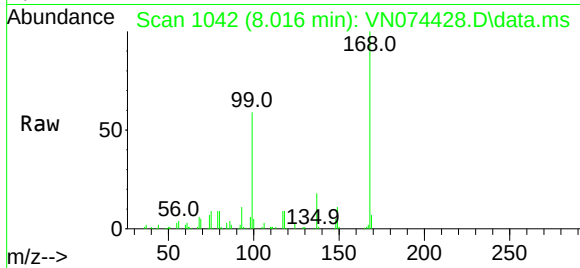




#31
Cyclohexane
Concen: 1.343 ug/l
RT: 8.016 min Scan# 1103
Delta R.T. -0.012 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

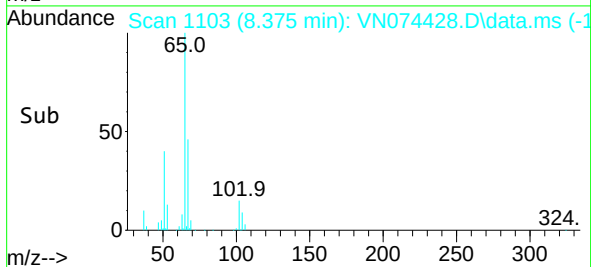
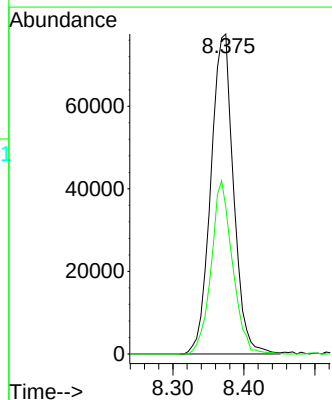
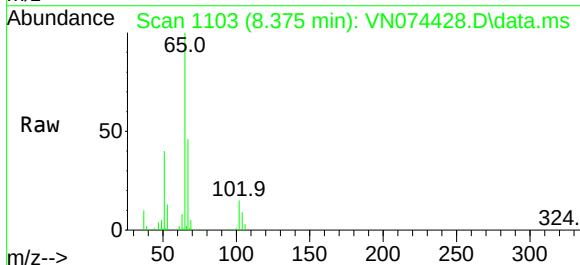
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-218-220

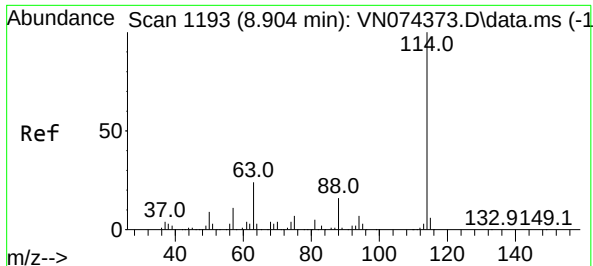
Tgt Ion: 56 Resp: 7625
Ion Ratio Lower Upper
56 100
69 126.0 23.0 34.4#
84 89.0 66.3 99.5



#33
1,2-Dichloroethane-d4
Concen: 48.177 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

Tgt Ion: 65 Resp: 171942
Ion Ratio Lower Upper
65 100
67 50.8 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: VN074428.D

Acq: 13 Sep 2022 13:10

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW5-GW-218-220

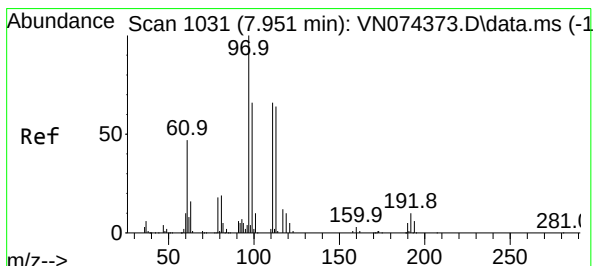
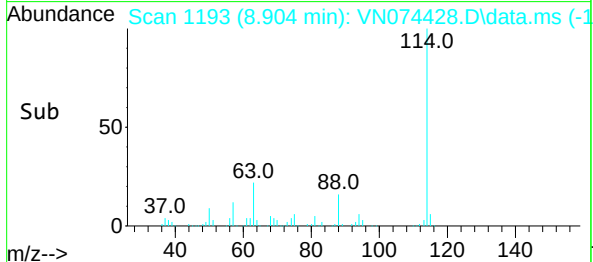
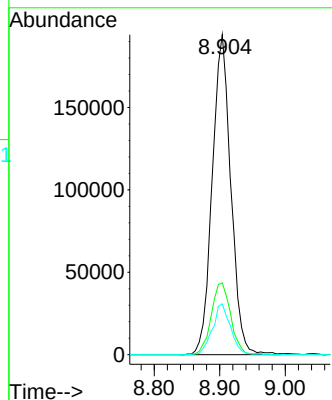
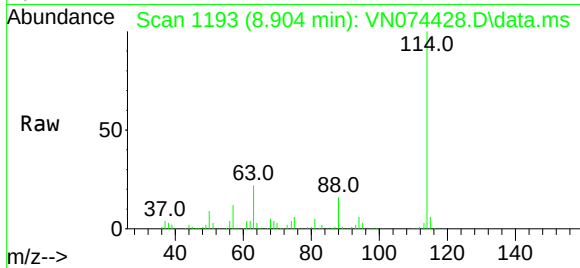
Tgt Ion:114 Resp: 382568

Ion Ratio Lower Upper

114 100

63 22.5 0.0 47.6

88 15.9 0.0 31.4



#35

Dibromofluoromethane

Concen: 53.786 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VN074428.D

Acq: 13 Sep 2022 13:10

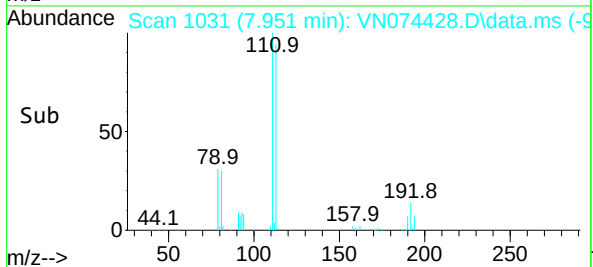
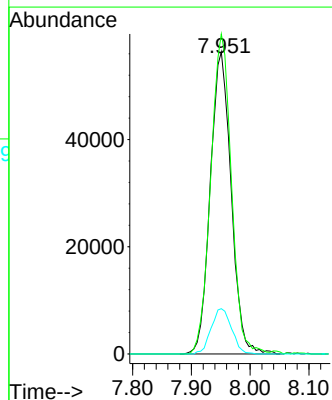
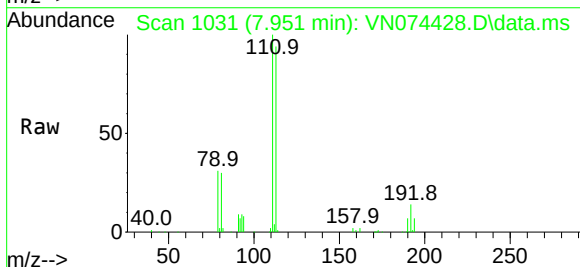
Tgt Ion:113 Resp: 138913

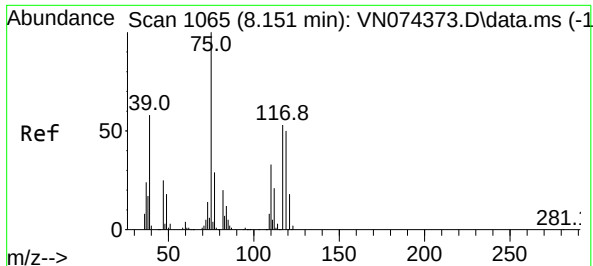
Ion Ratio Lower Upper

113 100

111 105.0 83.0 124.4

192 14.7 13.7 20.5





#36

1,1-Dichloropropene

Concen: 5.002 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.129 min

Lab File: VN074428.D

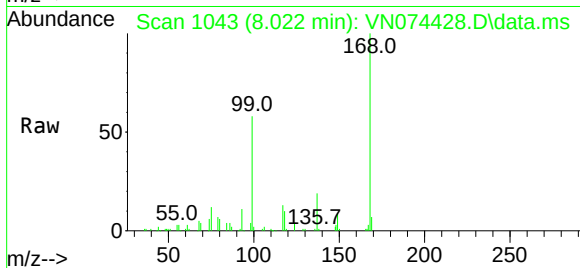
Acq: 13 Sep 2022 13:10

Instrument :

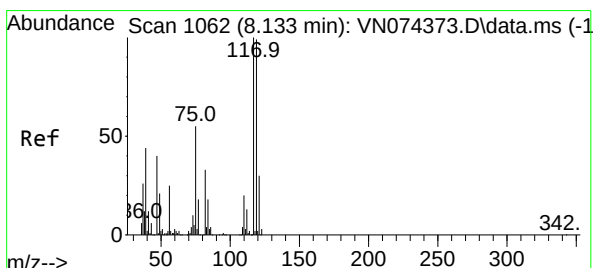
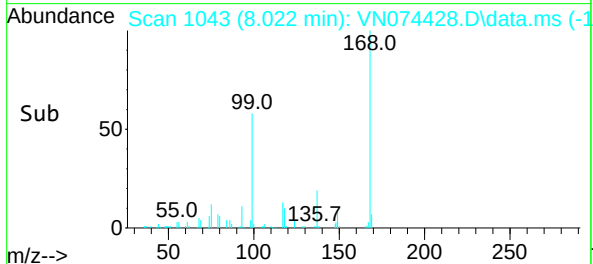
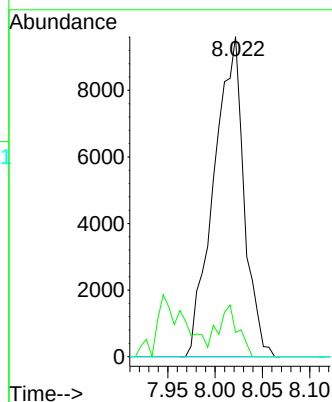
MSVOA_N

ClientSampleId :

BP-VPB-RW5-GW-218-220



Tgt Ion: 75	Resp: 21284
Ion Ratio	Lower Upper
75	100
110	10.7 16.4 49.1#
77	0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 5.259 ug/l

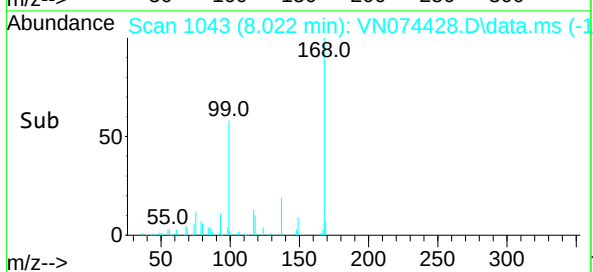
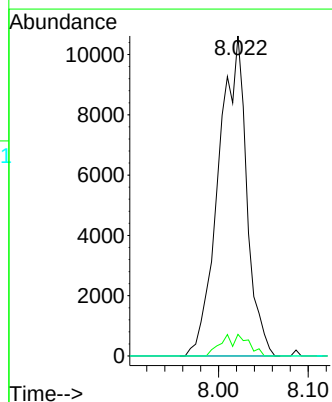
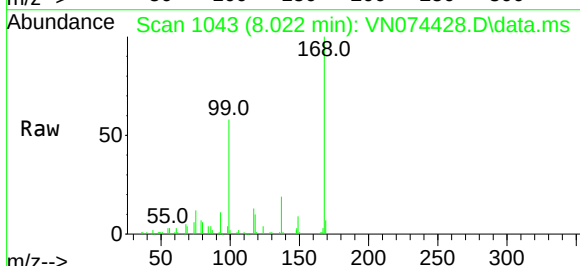
RT: 8.022 min Scan# 1043

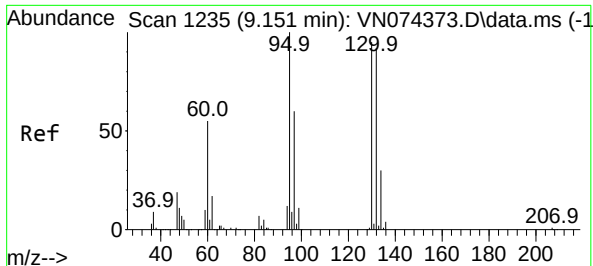
Delta R.T. -0.112 min

Lab File: VN074428.D

Acq: 13 Sep 2022 13:10

Tgt Ion: 117	Resp: 23102
Ion Ratio	Lower Upper
117	100
119	6.8 78.8 118.2#
121	0.0 24.1 36.1#

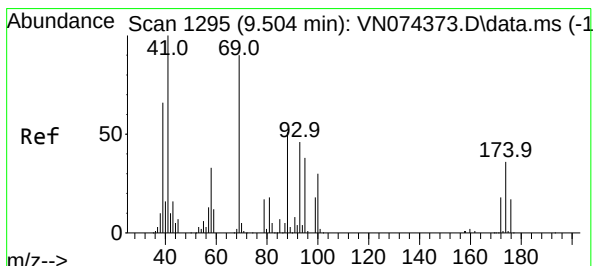
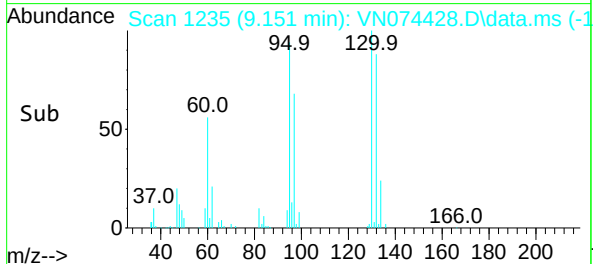
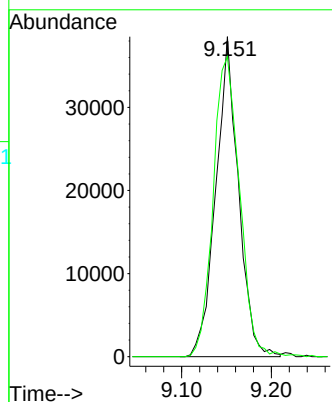
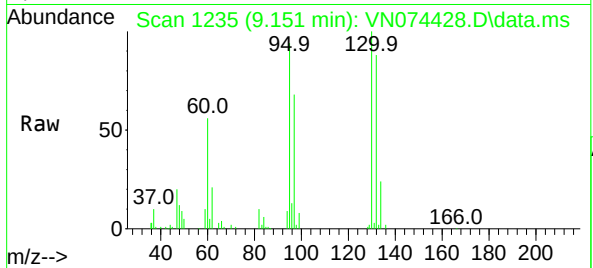




#44
Trichloroethene
Concen: 23.060 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

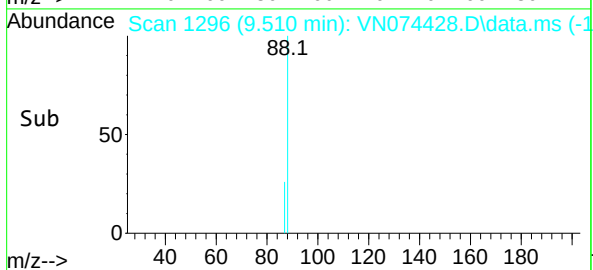
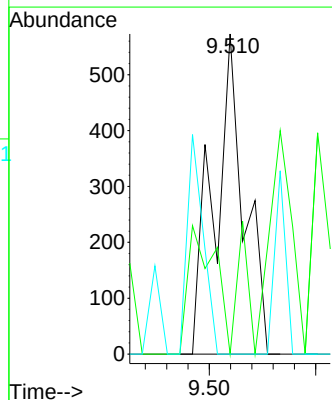
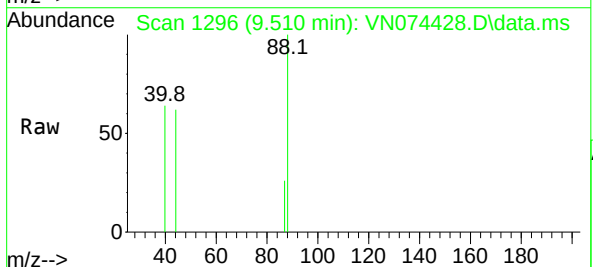
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-218-220

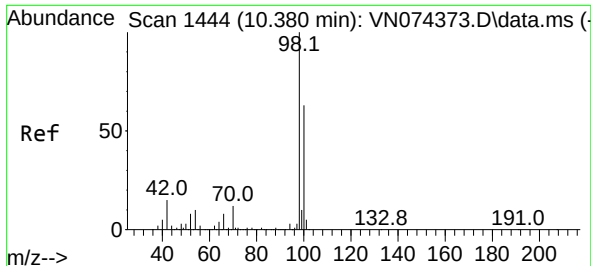
Tgt Ion:130 Resp: 67349
Ion Ratio Lower Upper
130 100
95 93.8 0.0 210.0



#49
1,4-Dioxane
Concen: 5.974 ug/l
RT: 9.510 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

Tgt Ion: 88 Resp: 560
Ion Ratio Lower Upper
88 100
43 36.3 26.9 40.3
58 46.6 52.7 79.1#

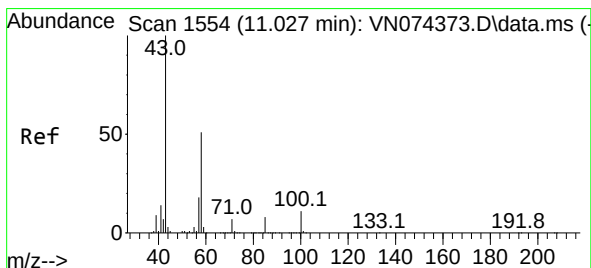
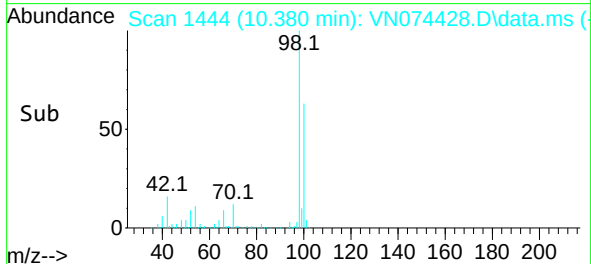
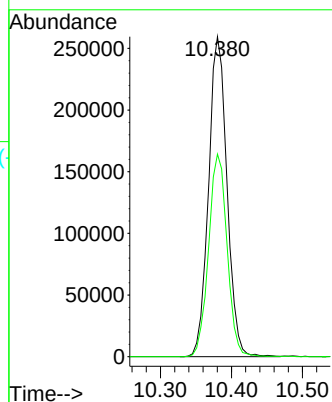
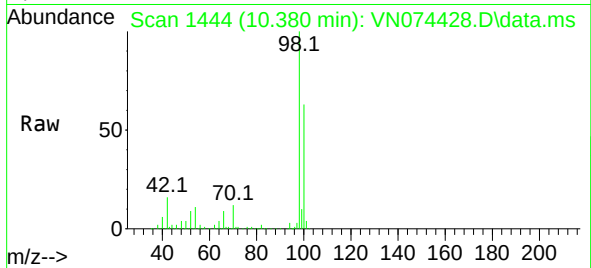




#50
Toluene-d8
Concen: 46.612 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

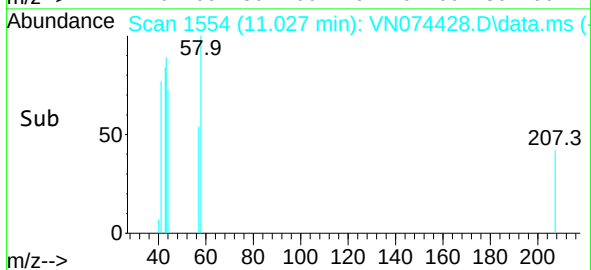
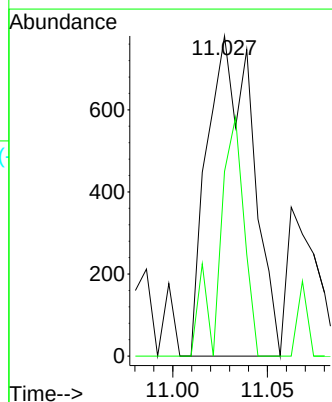
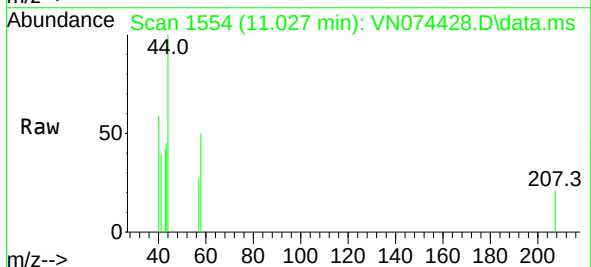
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-218-220

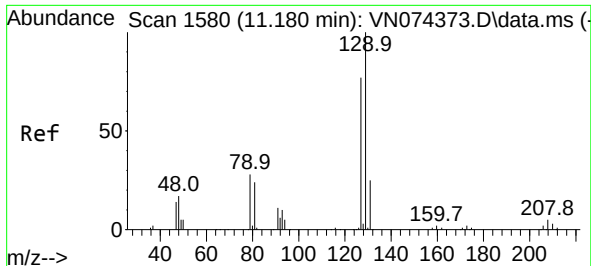
Tgt Ion: 98 Resp: 469078
Ion Ratio Lower Upper
98 100
100 63.6 50.6 76.0



#59
2-Hexanone
Concen: 0.255 ug/l
RT: 11.027 min Scan# 1554
Delta R.T. -0.000 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

Tgt Ion: 43 Resp: 1298
Ion Ratio Lower Upper
43 100
58 40.9 25.8 77.3

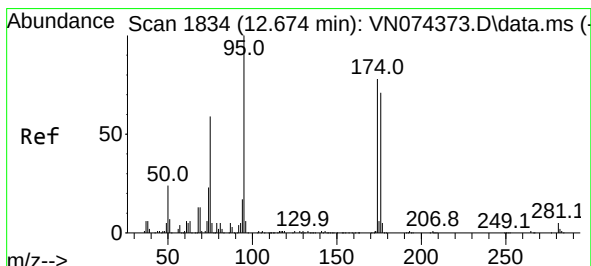
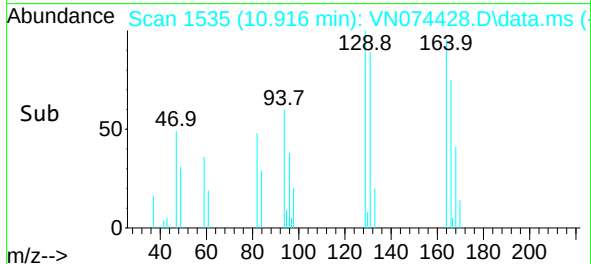
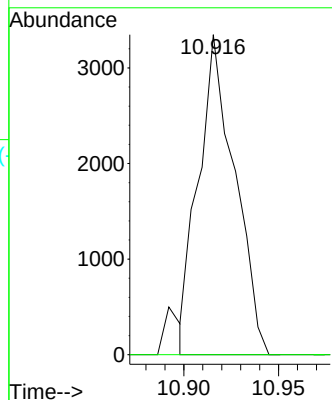
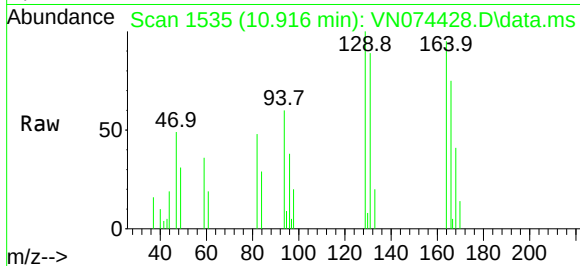




#60
Dibromochloromethane
Concen: 1.322 ug/l
RT: 10.916 min Scan# 11
Delta R.T. -0.265 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

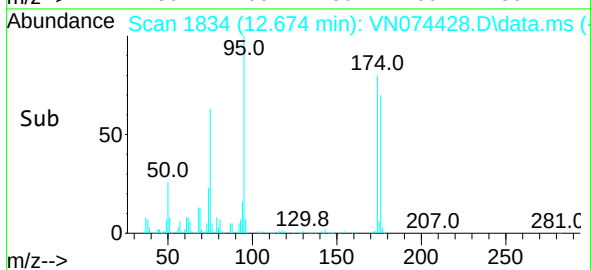
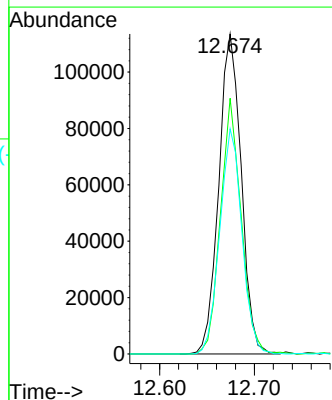
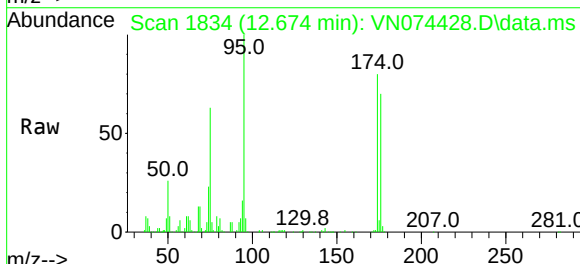
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-218-220

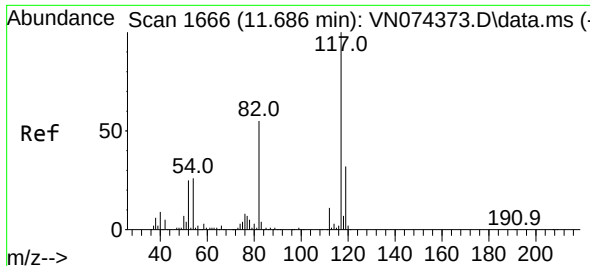
Tgt Ion:129 Resp: 4445
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.3#



#62
4-Bromofluorobenzene
Concen: 51.147 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

Tgt Ion: 95 Resp: 186876
Ion Ratio Lower Upper
95 100
174 73.9 0.0 150.6
176 69.4 0.0 143.4

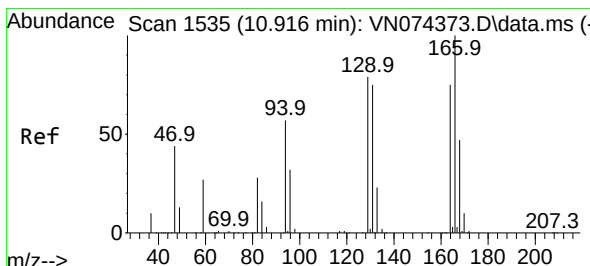
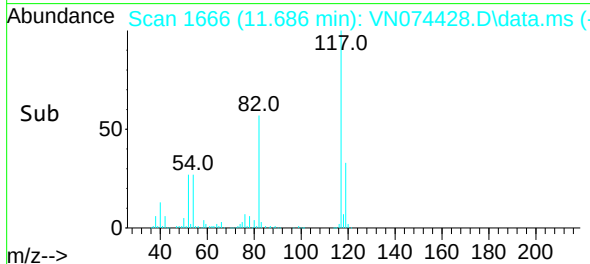
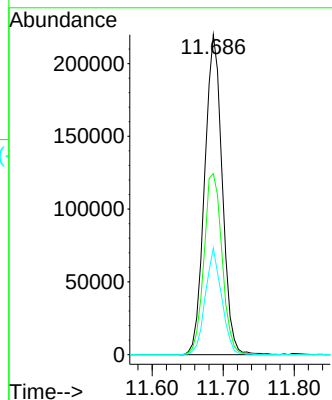
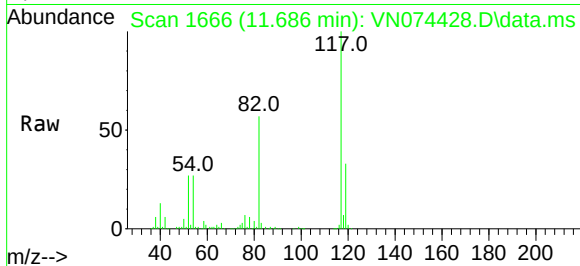




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

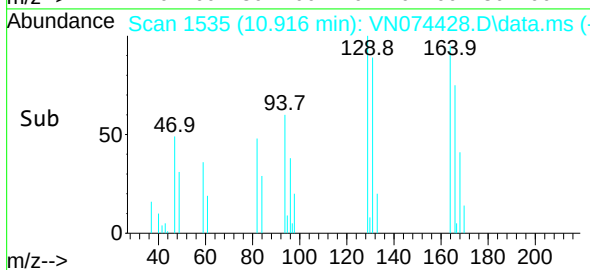
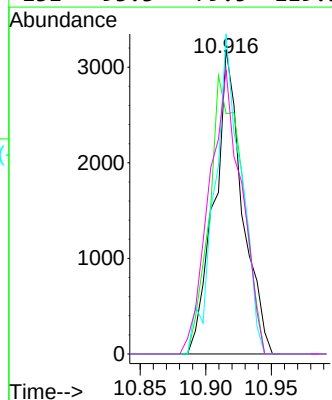
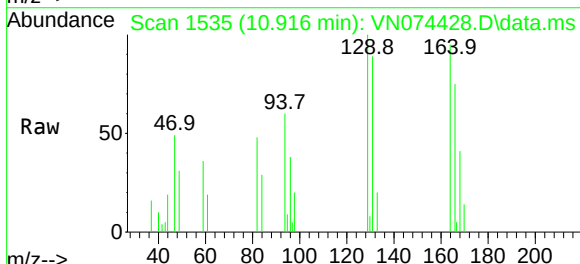
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-218-220

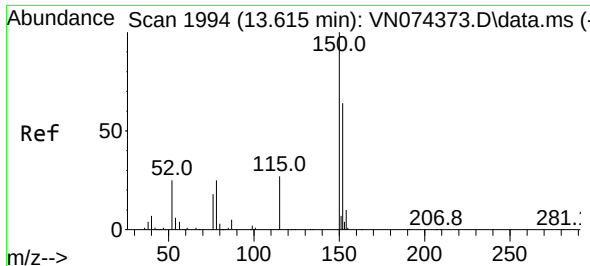
Tgt Ion:117 Resp: 379355
Ion Ratio Lower Upper
117 100
82 56.5 44.3 66.5
119 33.3 25.5 38.3



#64
Tetrachloroethene
Concen: 1.846 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. -0.000 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

Tgt Ion:164 Resp: 4747
Ion Ratio Lower Upper
164 100
166 79.0 106.6 160.0#
129 105.2 84.0 126.0
131 93.3 79.5 119.3

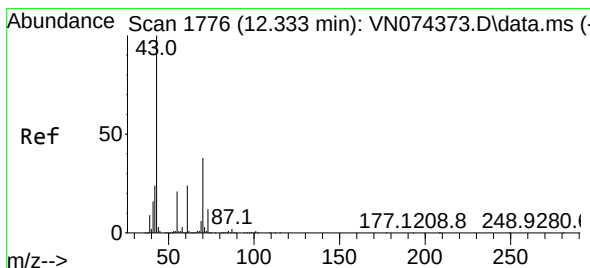
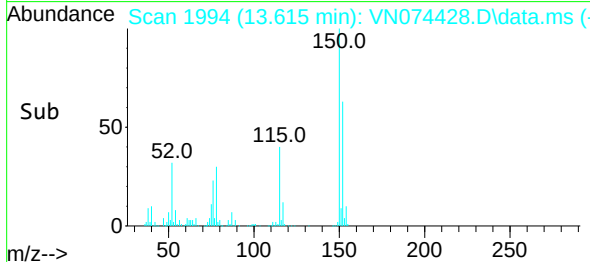
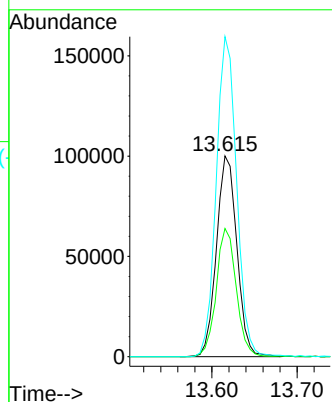
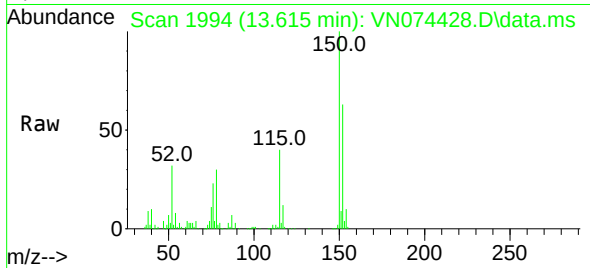




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.615 min Scan# 1994
 Delta R.T. 0.000 min
 Lab File: VN074428.D
 Acq: 13 Sep 2022 13:10

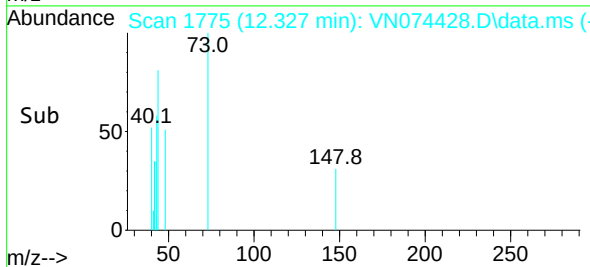
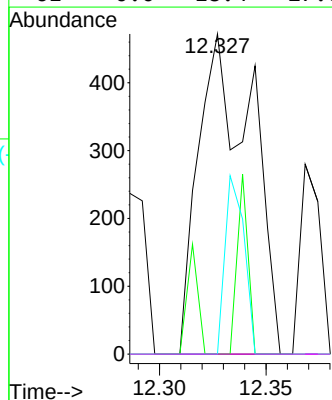
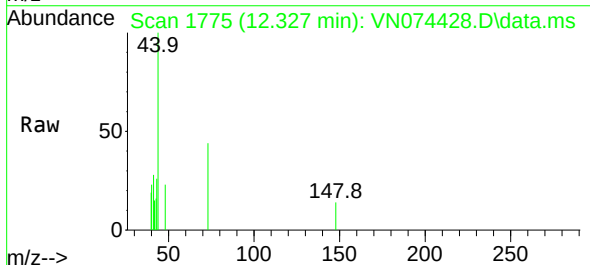
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-218-220

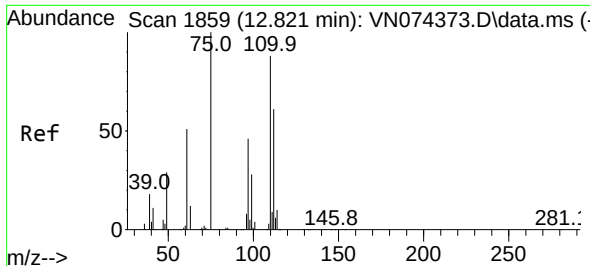
Tgt Ion:152 Resp: 167019
 Ion Ratio Lower Upper
 152 100
 115 62.7 32.0 96.0
 150 159.0 0.0 359.6



#74
 N-ethyl acetate
 Concen: Below Cal
 RT: 12.327 min Scan# 1775
 Delta R.T. -0.006 min
 Lab File: VN074428.D
 Acq: 13 Sep 2022 13:10

Tgt Ion: 43 Resp: 815
 Ion Ratio Lower Upper
 43 100
 70 11.4 31.4 47.0#
 55 20.0 17.0 25.6
 61 0.0 18.4 27.6#

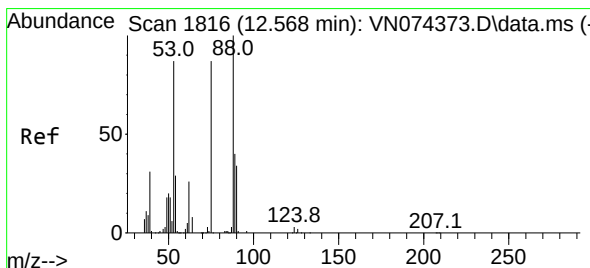
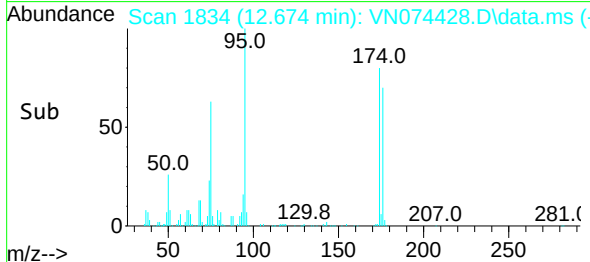
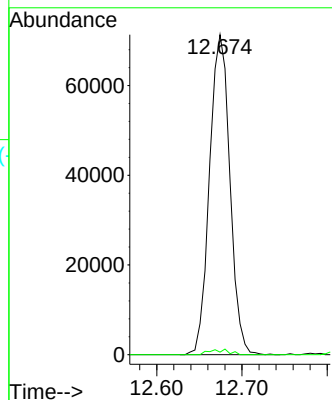
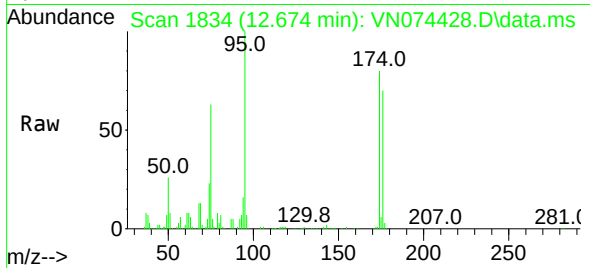




#76
1,2,3-Trichloropropane
Concen: 27.123 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

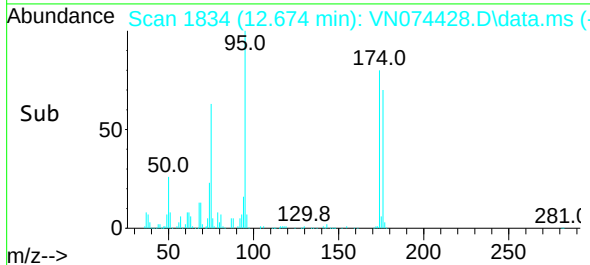
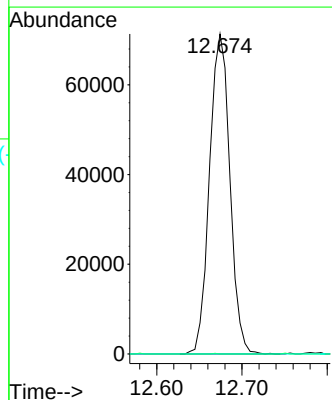
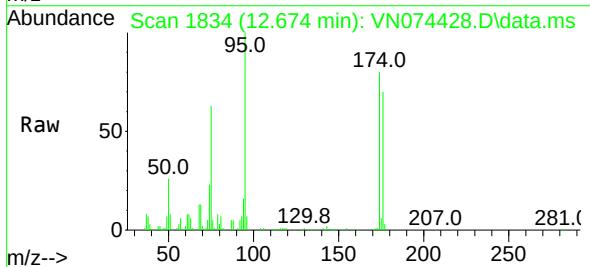
Instrument : MSVOA_N
ClientSampleId : BP-VPB-RW5-GW-218-220

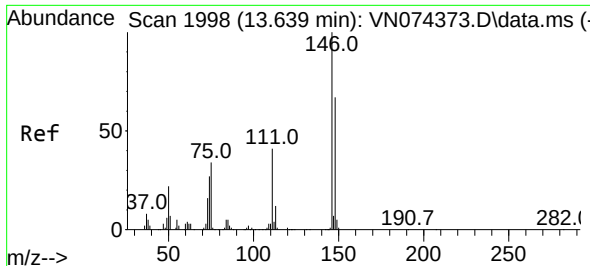
Tgt Ion: 75 Resp: 118425
Ion Ratio Lower Upper
75 100
77 1.6 78.9 236.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.457 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

Tgt Ion: 75 Resp: 118425
Ion Ratio Lower Upper
75 100
53 0.0 82.2 123.2#
89 0.0 37.7 56.5#

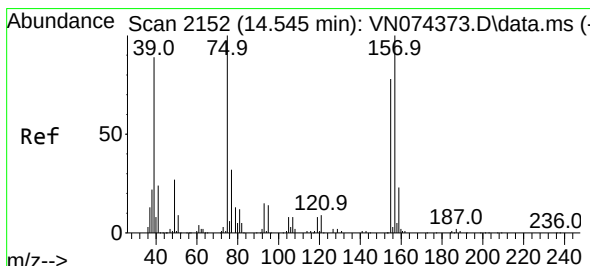
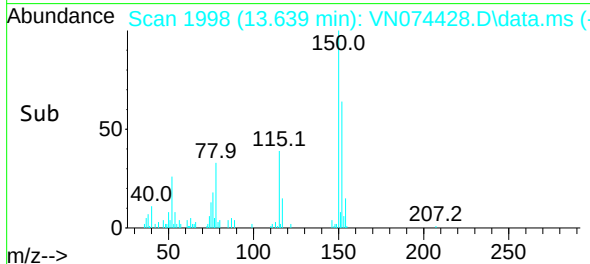
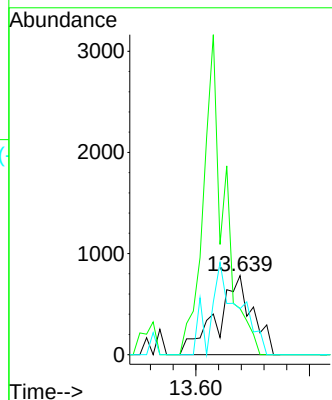
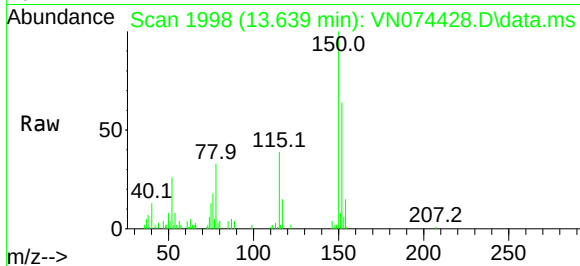




#88
 1,4-Dichlorobenzene
 Concen: 0.263 ug/l
 RT: 13.639 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VN074428.D
 Acq: 13 Sep 2022 13:10

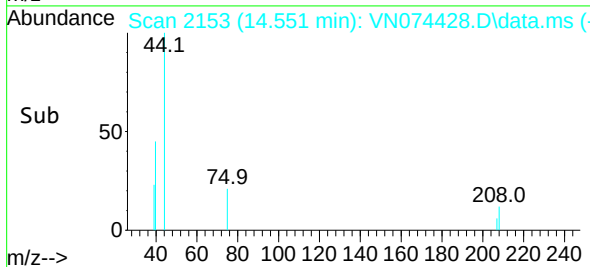
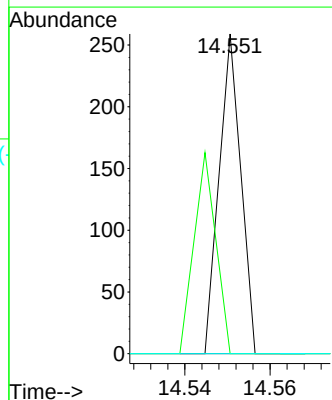
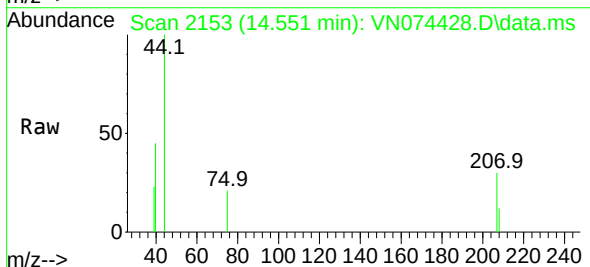
Instrument : MSVOA_N
 ClientSampleId : BP-VPB-RW5-GW-218-220

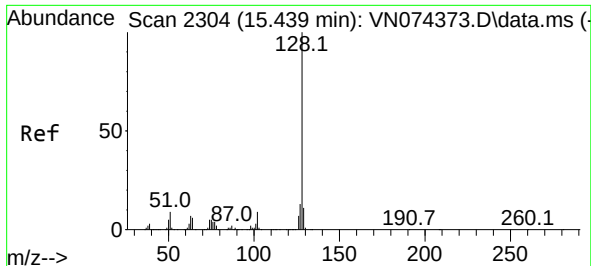
Tgt Ion:146 Resp: 1692
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.8 62.2#
 148 0.0 32.1 96.5#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.551 min Scan# 2153
 Delta R.T. 0.006 min
 Lab File: VN074428.D
 Acq: 13 Sep 2022 13:10

Tgt Ion: 75 Resp: 91
 Ion Ratio Lower Upper
 75 100
 155 63.7 36.6 109.9
 157 0.0 46.2 138.5#

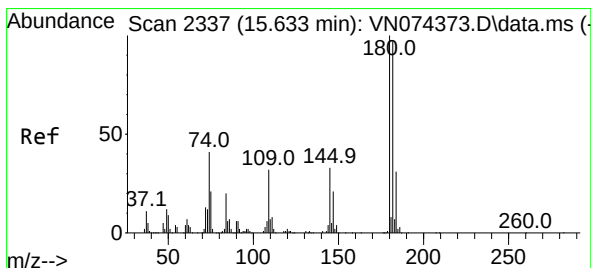
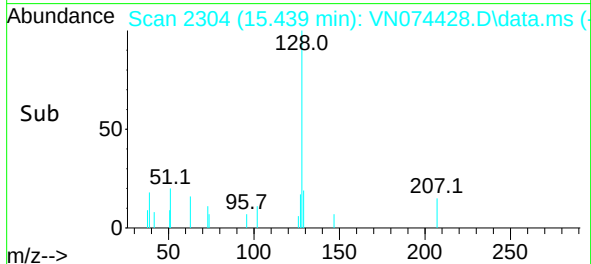
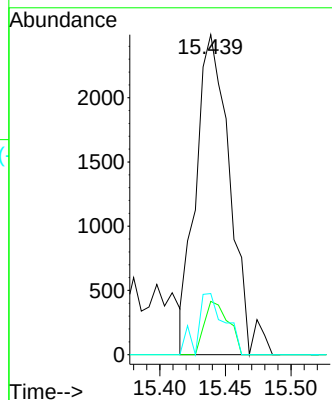
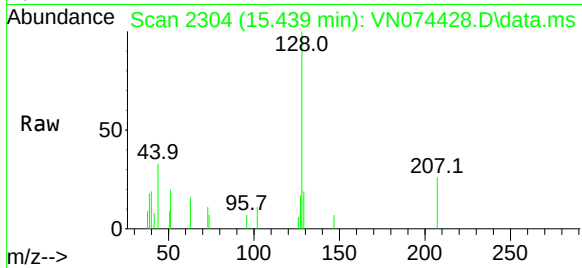




#95
Naphthalene
Concen: 0.345 ug/l
RT: 15.439 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-218-220

Tgt Ion:128 Resp: 4505
Ion Ratio Lower Upper
128 100
127 11.8 10.6 16.0
129 15.2 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.328 ug/l
RT: 15.639 min Scan# 2338
Delta R.T. 0.006 min
Lab File: VN074428.D
Acq: 13 Sep 2022 13:10

Tgt Ion:180 Resp: 1133
Ion Ratio Lower Upper
180 100
182 58.8 47.6 142.8
145 0.0 17.3 52.0#

