

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052024\
 Data File : VN082208.D
 Acq On : 20 May 2024 14:34
 Operator : JC\MD
 Sample : P2529-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-191D2-GW-20240514

Quant Time: May 21 03:47:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

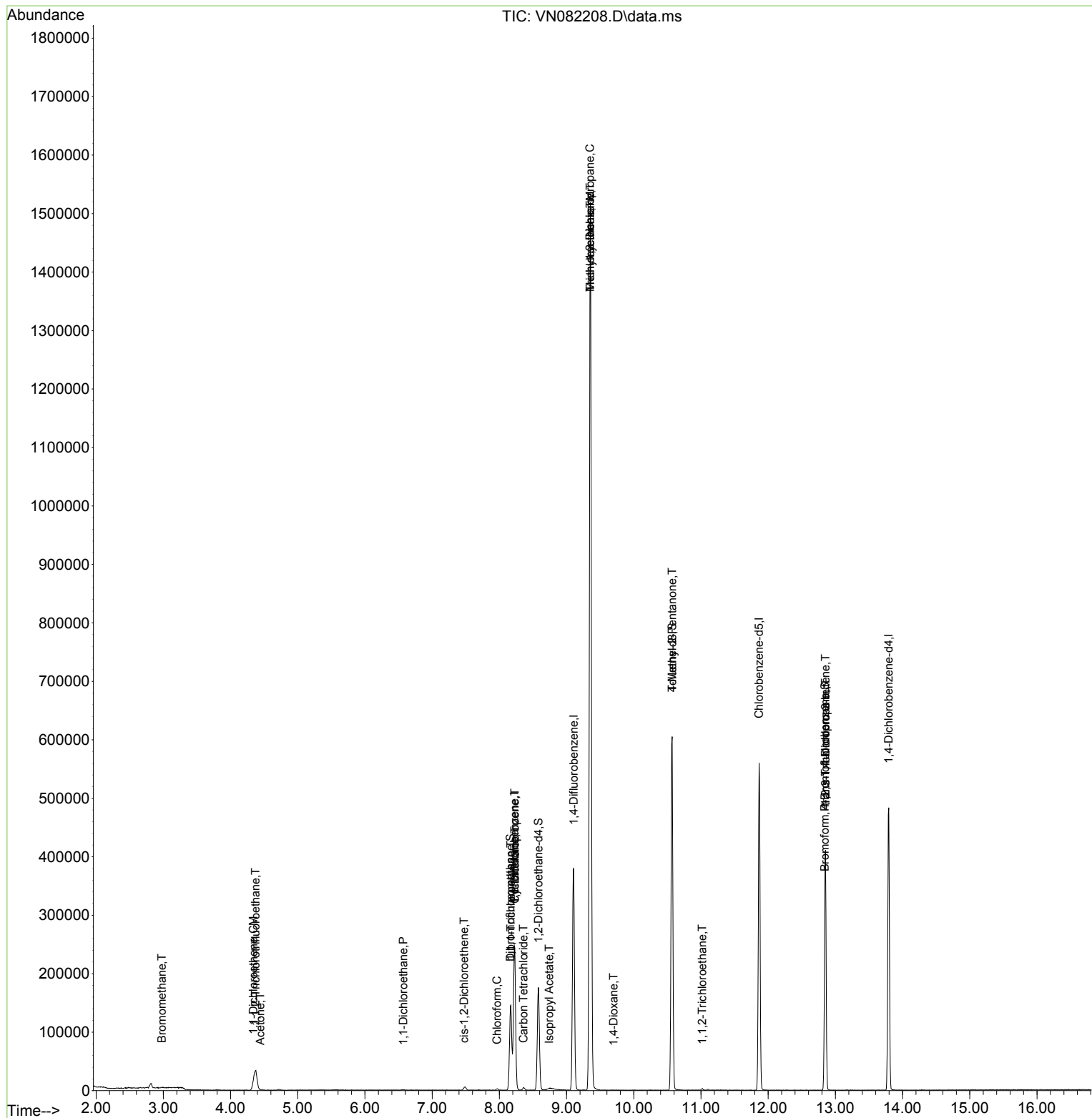
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	173083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	306279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	291089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	122894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	142723	52.222	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.440%	
35) Dibromofluoromethane	8.165	113	100012	53.082	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.160%	
50) Toluene-d8	10.570	98	398816	55.211	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.420%	
62) 4-Bromofluorobenzene	12.847	95	131692	51.079	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 102.160%	
Target Compounds						Qvalue
5) Bromomethane	2.977	94	499	0.327	ug/l #	15
9) 1,1,2-Trichlorotrifluo...	4.371	101	20922	10.287	ug/l	98
12) 1,1-Dichloroethene	4.341	96	6128	3.242	ug/l #	78
16) Acetone	4.441	43	2173	1.938	ug/l #	85
24) 1,1-Dichloroethane	6.571	63	1845	0.424	ug/l #	81
27) cis-1,2-Dichloroethene	7.477	96	3323	1.367	ug/l	95
28) Bromochloromethane	7.959	49	66	Below Cal	#	10
30) Chloroform	7.965	83	2251	0.541	ug/l	85
31) Cyclohexane	8.229	56	4974	1.140	ug/l #	60
32) 1,1,1-Trichloroethane	8.171	97	885	0.240	ug/l #	24
36) 1,1-Dichloropropene	8.229	75	16035	5.075	ug/l #	49
38) Carbon Tetrachloride	8.359	117	3326	1.038	ug/l #	73
39) Methylcyclohexane	9.353	83	6899	1.992	ug/l #	1
43) Isopropyl Acetate	8.741	43	3299	0.526	ug/l #	52
44) Trichloroethene	9.353	130	503263	235.119	ug/l	93
45) 1,2-Dichloropropane	9.347	63	1807	0.743	ug/l #	1
49) 1,4-Dioxane	9.700	88	68	1.625	ug/l #	28
51) 4-Methyl-2-Pentanone	10.570	43	2359	0.663	ug/l #	1
55) 1,1,2-Trichloroethane	11.018	97	1090	0.530	ug/l #	76
71) Bromoform	12.841	173	345	0.903	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	77566	29.987	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	77566	70.139	ug/l #	12

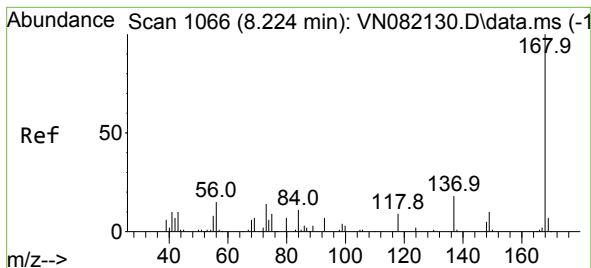
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN082208.D

Acq: 20 May 2024 14:34

Instrument :

MSVOA_N

ClientSampleId :

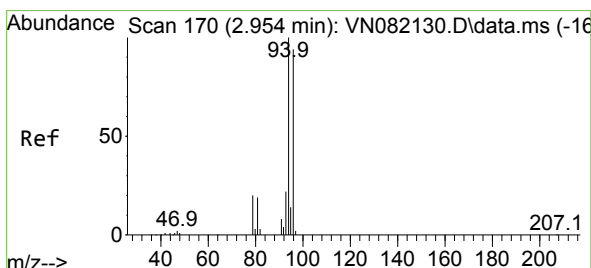
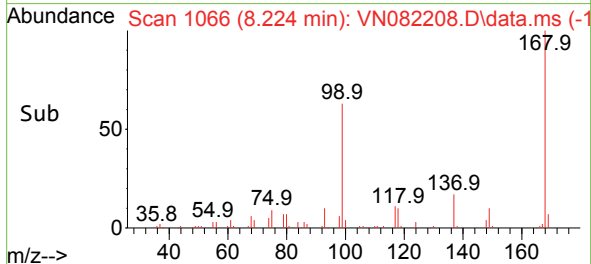
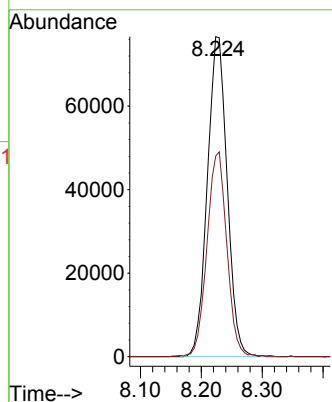
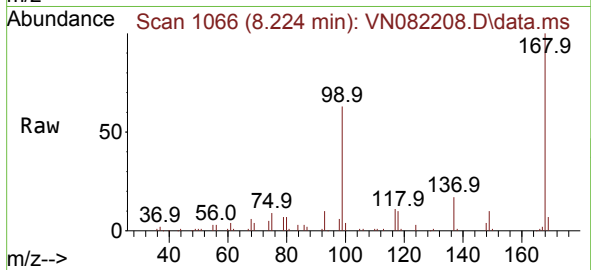
BP-TT-191D2-GW-20240514

Tgt Ion:168 Resp: 173083

Ion Ratio Lower Upper

168 100

99 62.7 48.2 72.4



#5

Bromomethane

Concen: 0.327 ug/l

RT: 2.977 min Scan# 174

Delta R.T. 0.023 min

Lab File: VN082208.D

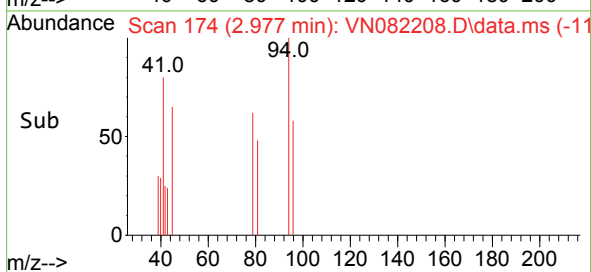
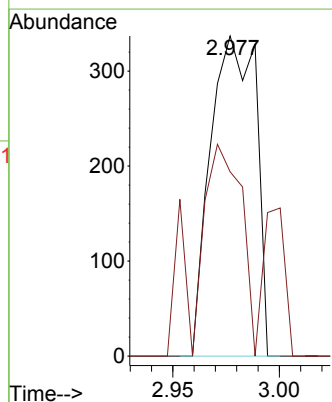
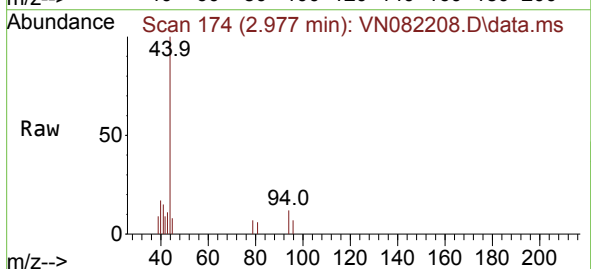
Acq: 20 May 2024 14:34

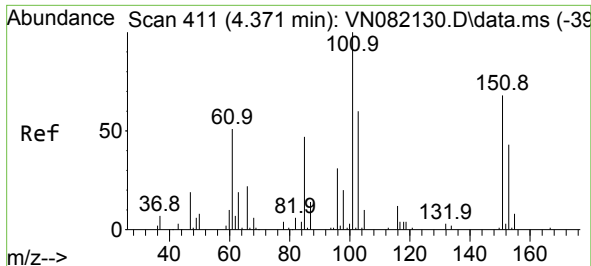
Tgt Ion: 94 Resp: 499

Ion Ratio Lower Upper

94 100

96 11.3 74.8 112.2#

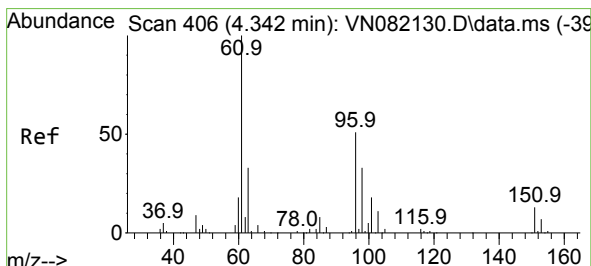
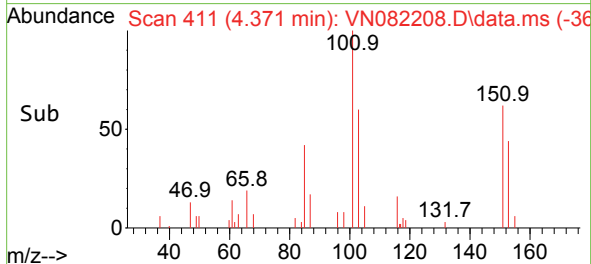
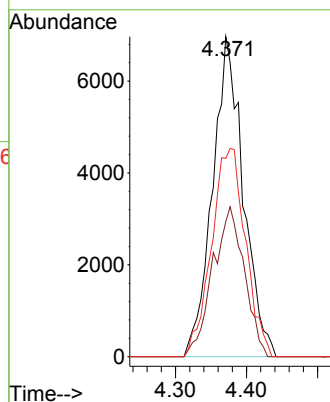
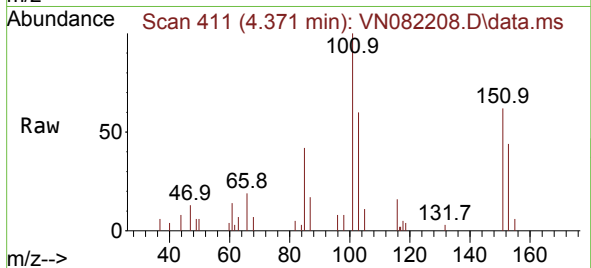




#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.287 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN082208.D
Acq: 20 May 2024 14:34

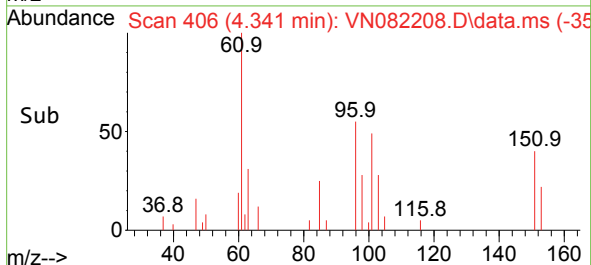
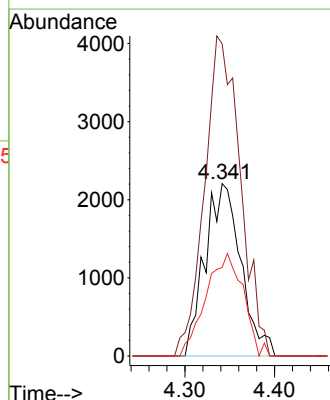
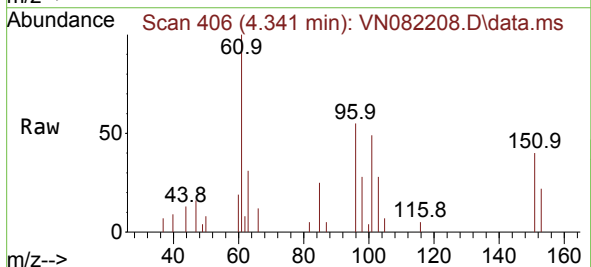
Instrument :
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BP-TT-191D2-GW-20240514

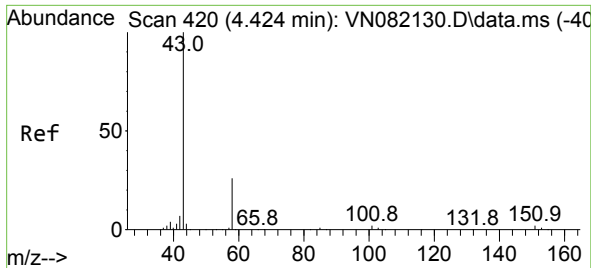
Tgt Ion:101 Resp: 20922
Ion Ratio Lower Upper
101 100
85 48.2 37.3 55.9
151 72.1 59.2 88.8



#12
1,1-Dichloroethene
Concen: 3.242 ug/l
RT: 4.341 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN082208.D
Acq: 20 May 2024 14:34

Tgt Ion: 96 Resp: 6128
Ion Ratio Lower Upper
96 100
61 181.2 119.7 179.5#
98 51.3 49.6 74.4

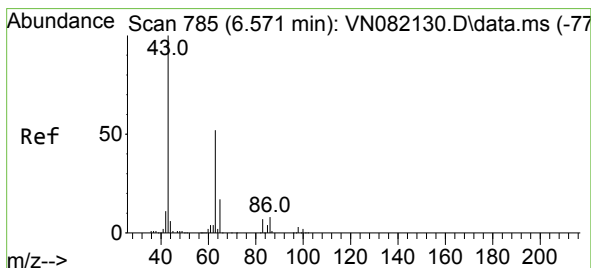
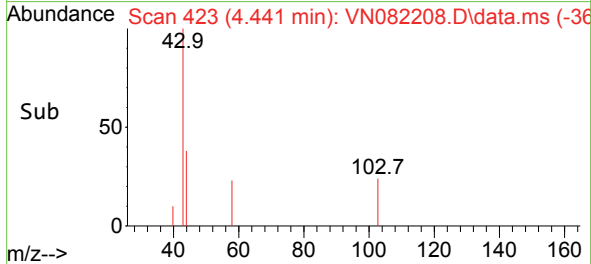
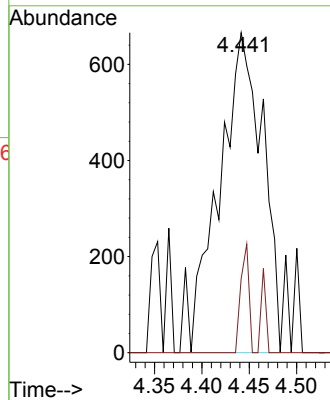
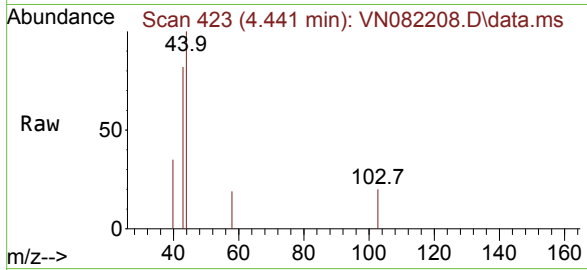




#16
Acetone
Concen: 1.938 ug/l
RT: 4.441 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN082208.D
Acq: 20 May 2024 14:34

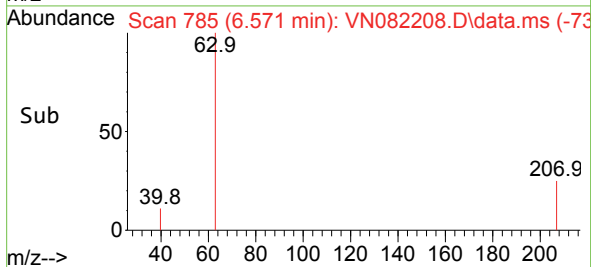
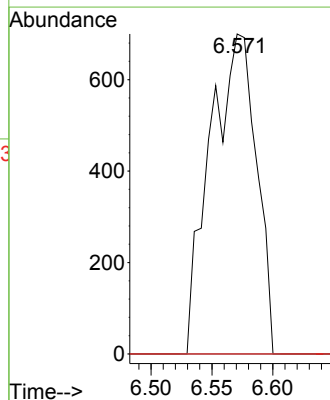
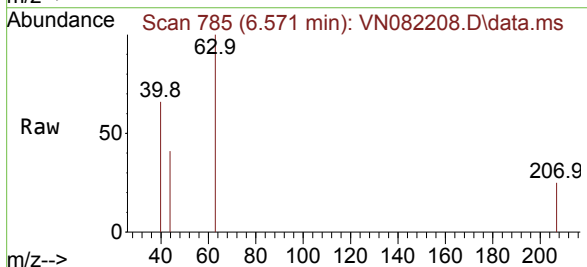
Instrument :
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ClientSampleId :
BP-TT-191D2-GW-20240514

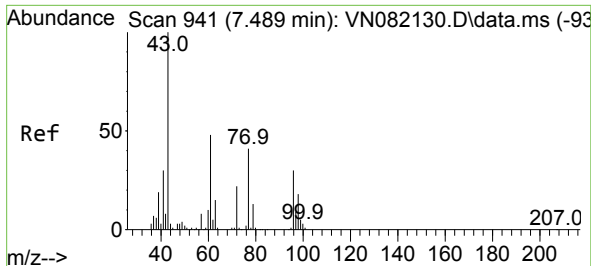
Tgt Ion: 43 Resp: 2173
Ion Ratio Lower Upper
43 100
58 23.1 25.2 37.8#



#24
1,1-Dichloroethane
Concen: 0.424 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.000 min
Lab File: VN082208.D
Acq: 20 May 2024 14:34

Tgt Ion: 63 Resp: 1845
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.9#
100 0.0 2.6 7.8#





#27

cis-1,2-Dichloroethene

Concen: 1.367 ug/l

RT: 7.477 min Scan# 91

Delta R.T. -0.012 min

Lab File: VN082208.D

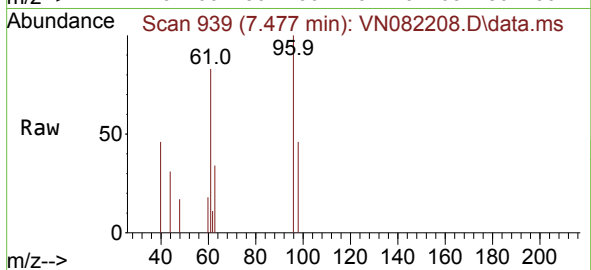
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Instrument :

MSVOA_N

ClientSampleId :

BP-TT-191D2-GW-20240514



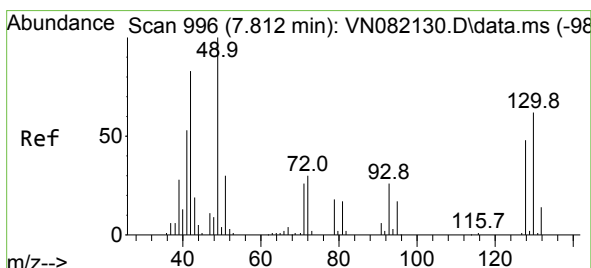
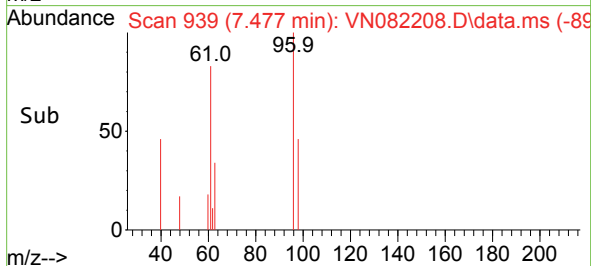
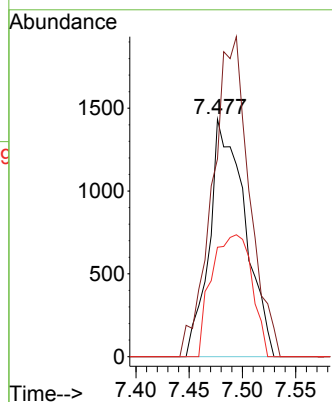
Tgt Ion: 96 Resp: 3323

Ion Ratio Lower Upper

96 100

61 139.8 0.0 268.0

98 58.2 0.0 126.8



#28

Bromochloromethane

Concen: Below Cal

RT: 7.959 min Scan# 1021

Delta R.T. 0.147 min

Lab File: VN082208.D

Acq: 20 May 2024 14:34

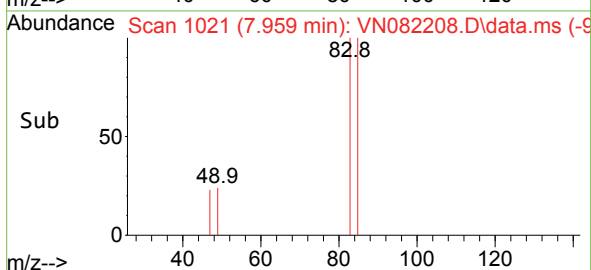
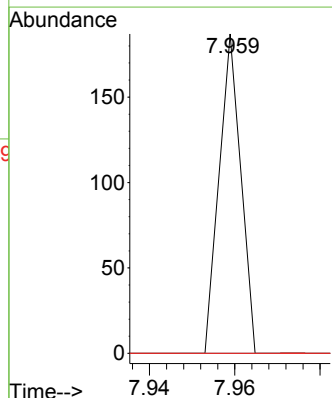
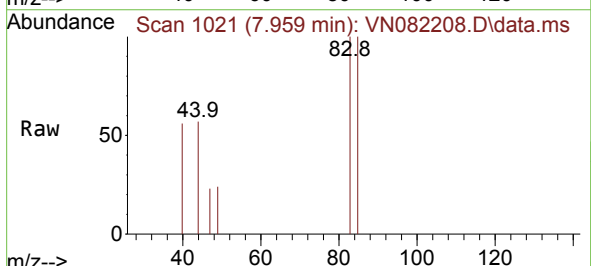
Tgt Ion: 49 Resp: 66

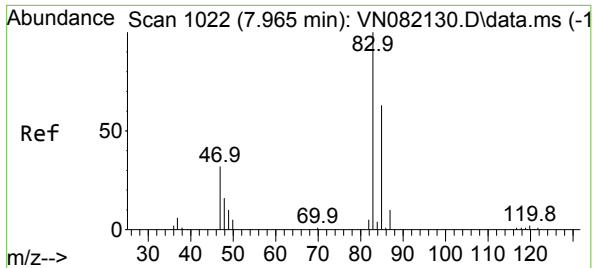
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

130 0.0 66.7 100.1#

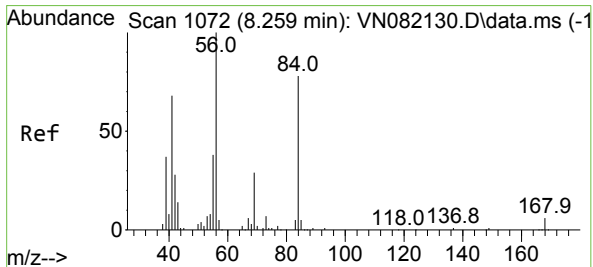
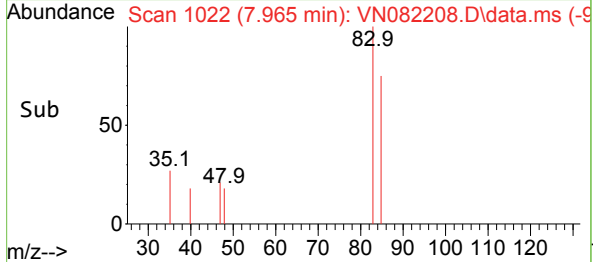
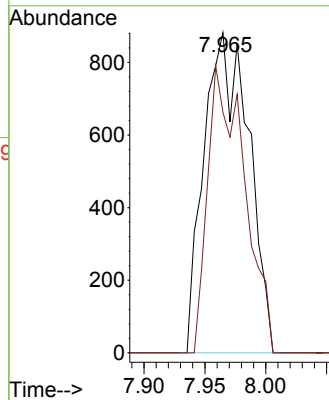
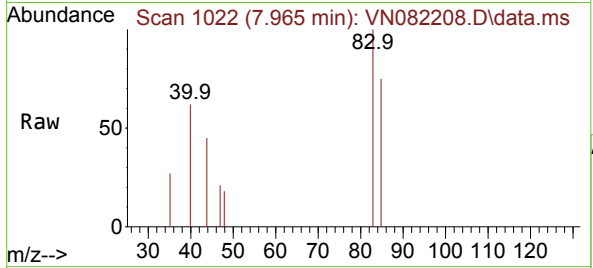




#30
Chloroform
Concen: 0.541 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN082208.D
Acq: 20 May 2024 14:34

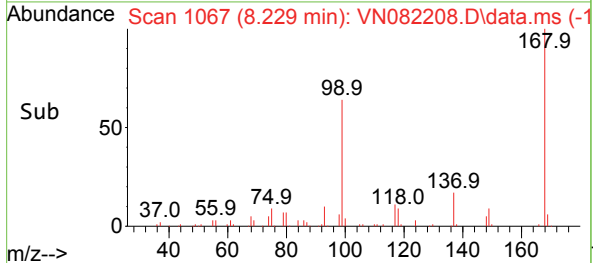
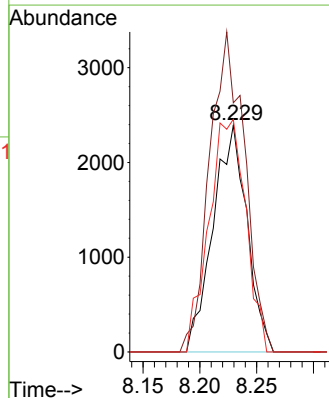
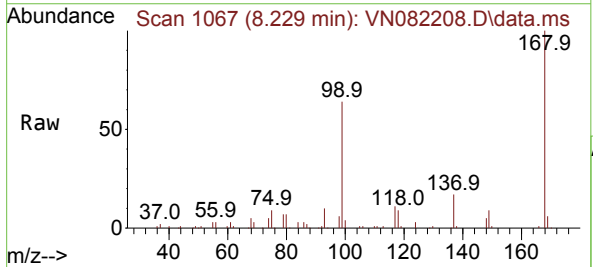
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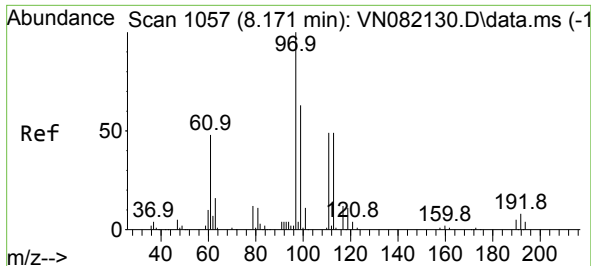
Tgt Ion: 83 Resp: 2251
Ion Ratio Lower Upper
83 100
85 75.2 50.7 76.1



#31
Cyclohexane
Concen: 1.140 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN082208.D
Acq: 20 May 2024 14:34

Tgt Ion: 56 Resp: 4974
Ion Ratio Lower Upper
56 100
69 109.9 24.4 36.6#
84 102.6 77.0 115.4

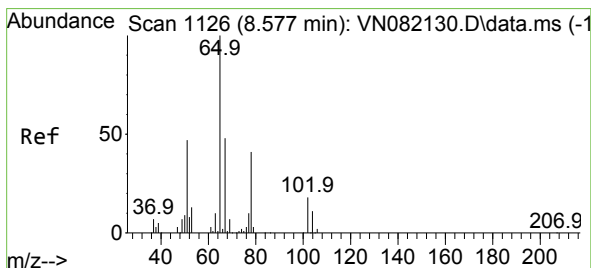
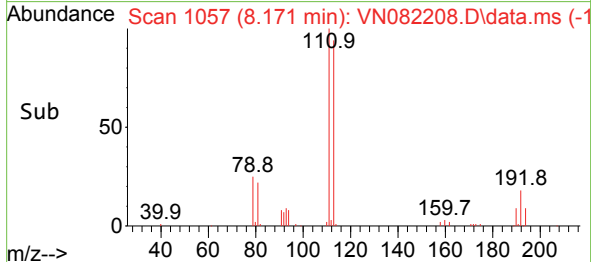
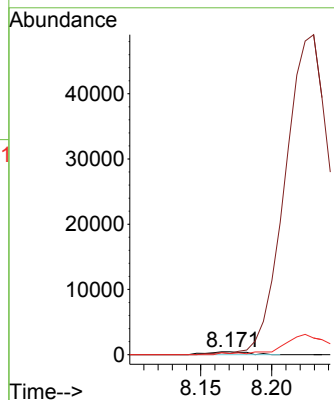
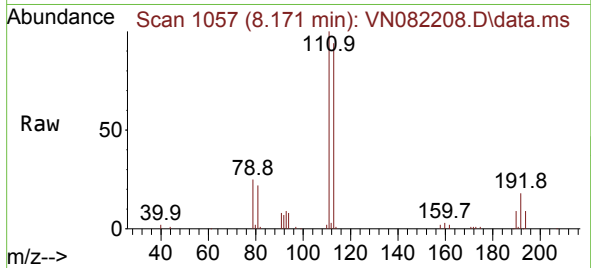




#32
 1,1,1-Trichloroethane
 Concen: 0.240 ug/l
 RT: 8.171 min Scan# 1057
 Delta R.T. -0.000 min
 Lab File: VN082208.D
 Acq: 20 May 2024 14:34

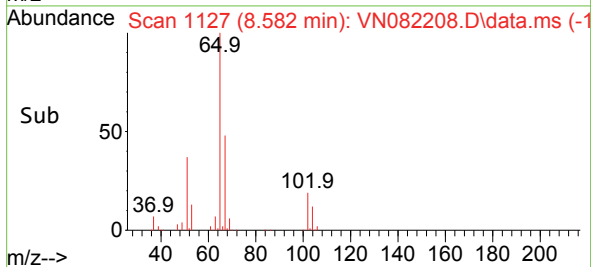
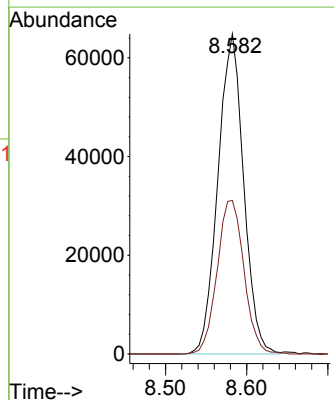
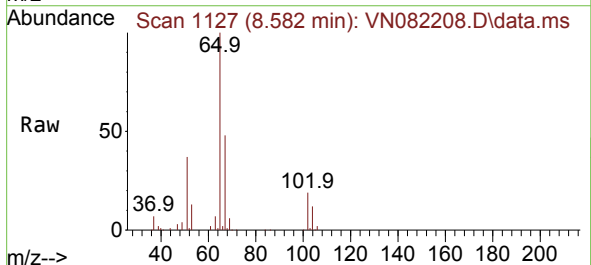
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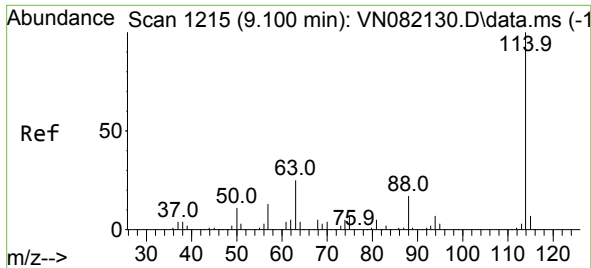
Tgt Ion: 97 Resp: 885
 Ion Ratio Lower Upper
 97 100
 99 0.0 50.3 75.5#
 61 0.0 36.6 55.0#



#33
 1,2-Dichloroethane-d4
 Concen: 52.222 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VN082208.D
 Acq: 20 May 2024 14:34

Tgt Ion: 65 Resp: 142723
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 103.0

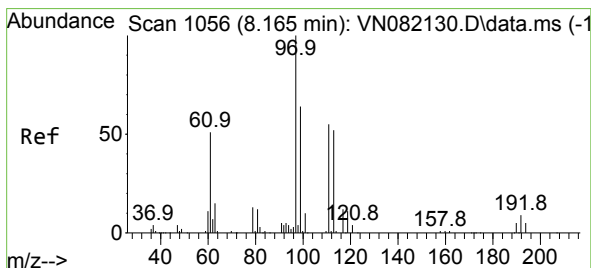
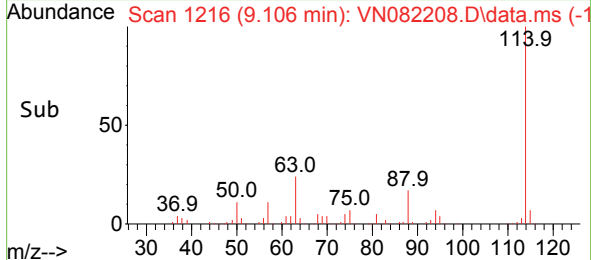
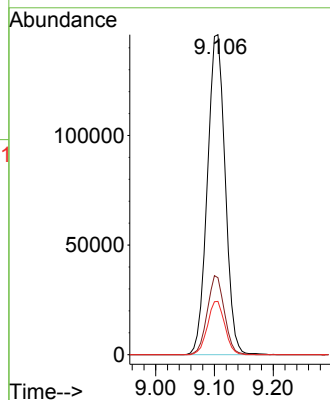
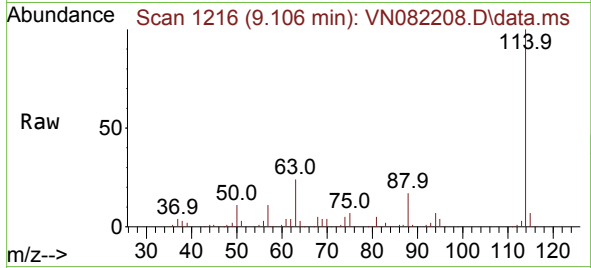




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082208.D
Acq: 20 May 2024 14:34

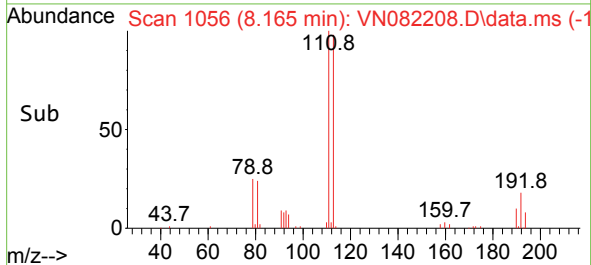
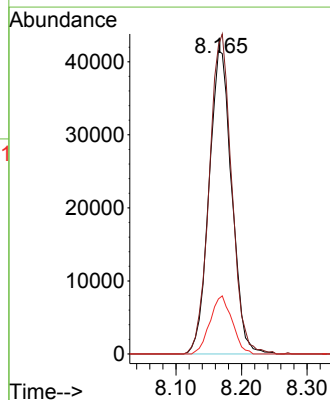
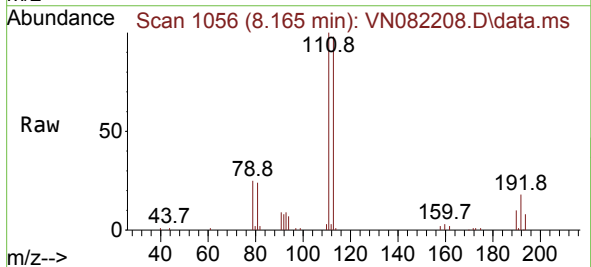
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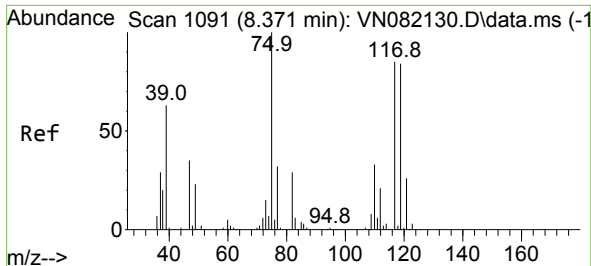
Tgt Ion:114 Resp: 306279
Ion Ratio Lower Upper
114 100
63 24.0 0.0 41.0
88 16.6 0.0 31.4



#35
Dibromofluoromethane
Concen: 53.082 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN082208.D
Acq: 20 May 2024 14:34

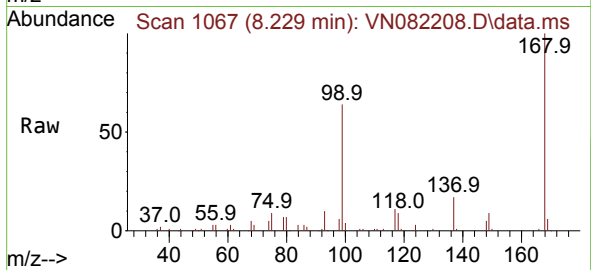
Tgt Ion:113 Resp: 100012
Ion Ratio Lower Upper
113 100
111 104.2 83.4 125.2
192 18.6 14.0 21.0



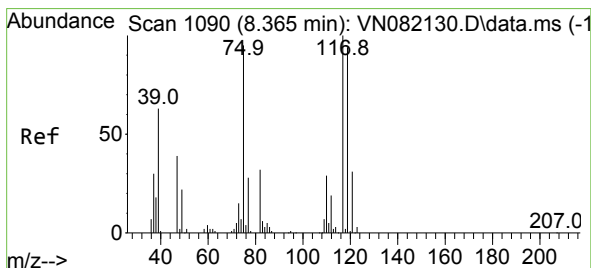
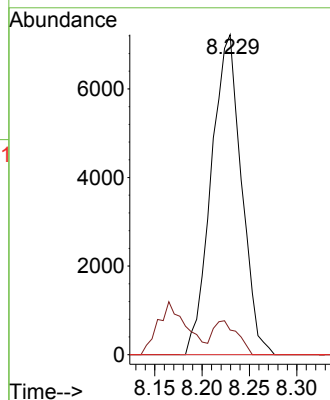
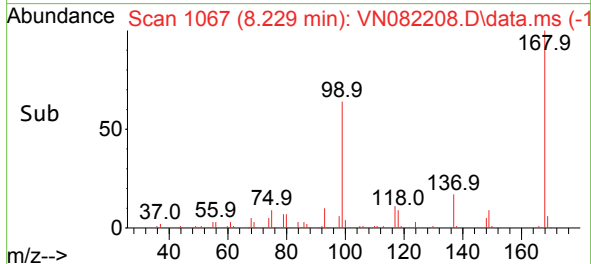


#36
1,1-Dichloropropene
Concen: 5.075 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082208.D
Acq: 20 May 2024 14:34

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-191D2-GW-20240514

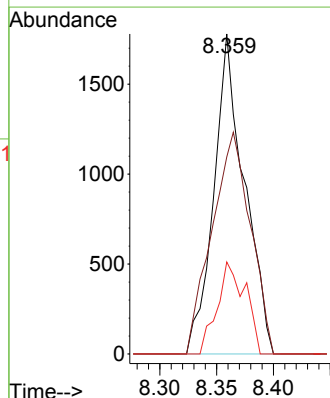
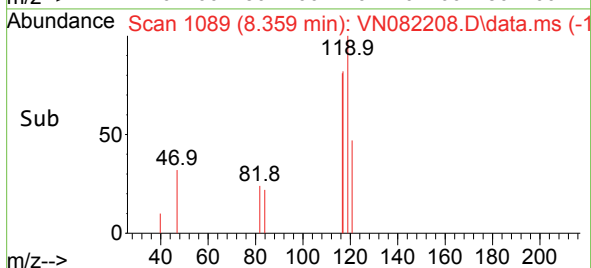
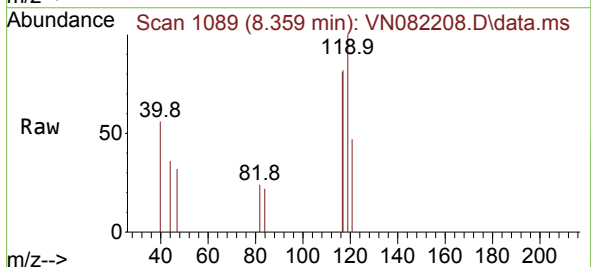


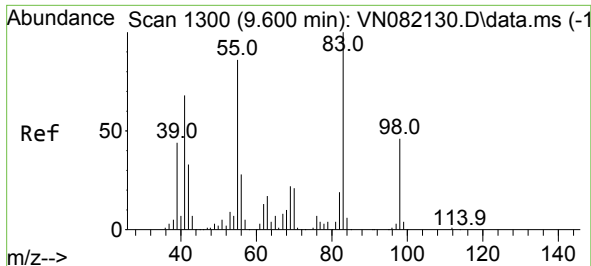
Tgt Ion: 75 Resp: 16035
Ion Ratio Lower Upper
75 100
110 8.3 17.8 53.5#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 1.038 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VN082208.D
Acq: 20 May 2024 14:34

Tgt Ion: 117 Resp: 3326
Ion Ratio Lower Upper
117 100
119 61.6 76.5 114.7#
121 28.8 23.9 35.9





#39

Methylcyclohexane

Concen: 1.992 ug/l

RT: 9.353 min Scan# 1125

Delta R.T. -0.247 min

Lab File: VN082208.D

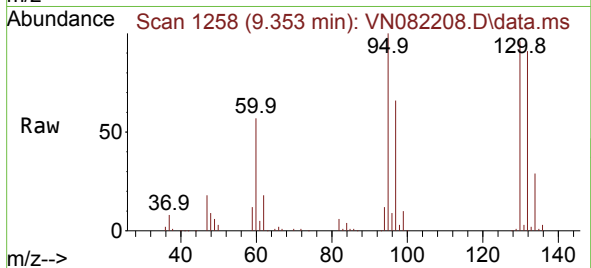
Acq: 20 May 2024 14:34

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-191D2-GW-20240514



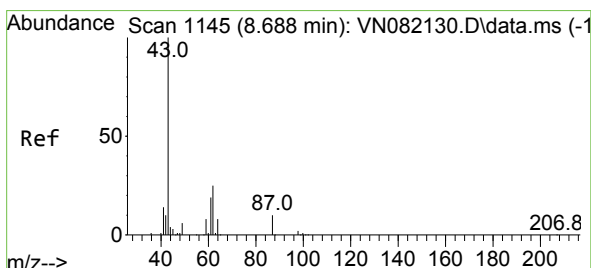
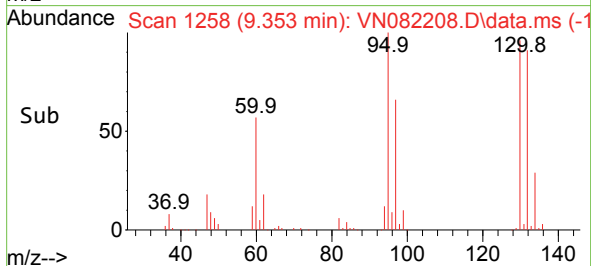
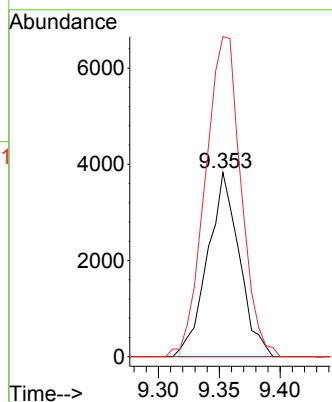
Tgt Ion: 83 Resp: 6899

Ion Ratio Lower Upper

83 100

55 0.0 53.0 79.6#

98 169.7 37.1 55.7#



#43

Isopropyl Acetate

Concen: 0.526 ug/l

RT: 8.741 min Scan# 1154

Delta R.T. 0.053 min

Lab File: VN082208.D

Acq: 20 May 2024 14:34

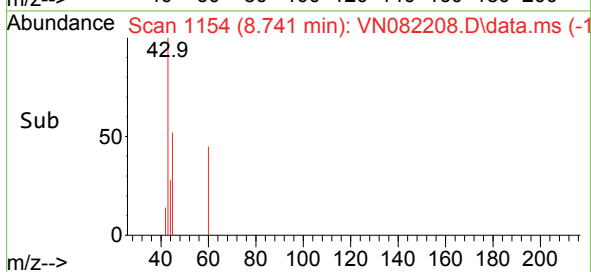
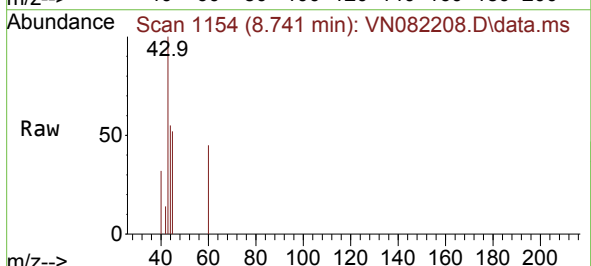
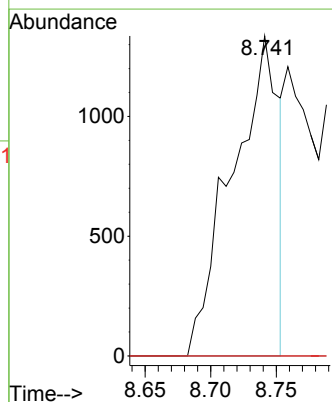
Tgt Ion: 43 Resp: 3299

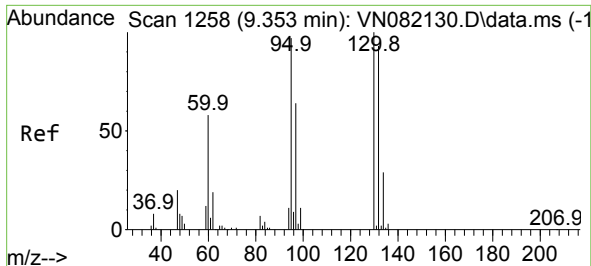
Ion Ratio Lower Upper

43 100

61 0.0 22.8 34.2#

87 0.0 12.0 18.0#

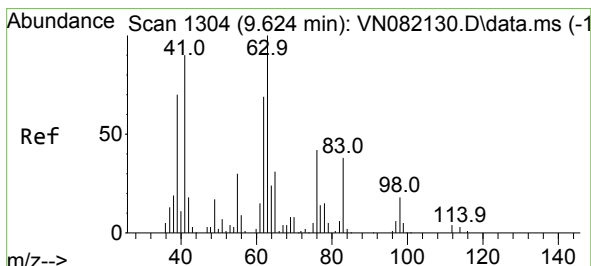
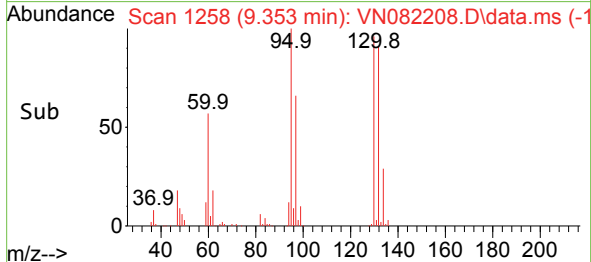
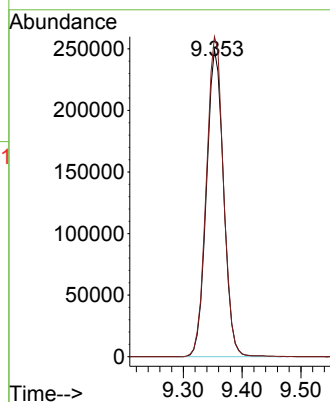
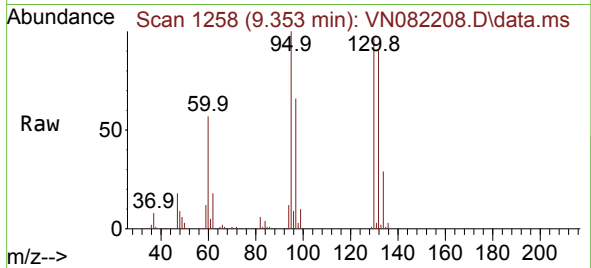




#44
Trichloroethene
Concen: 235.119 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082208.D
Acq: 20 May 2024 14:34

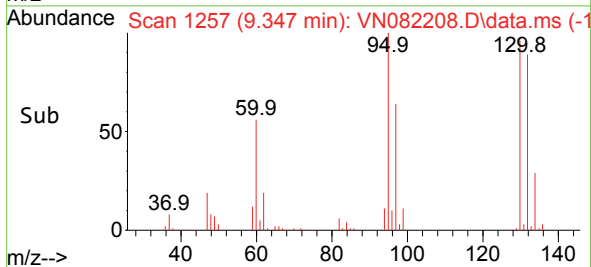
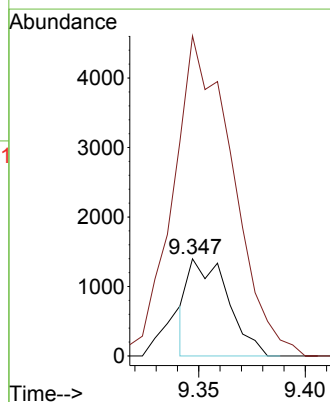
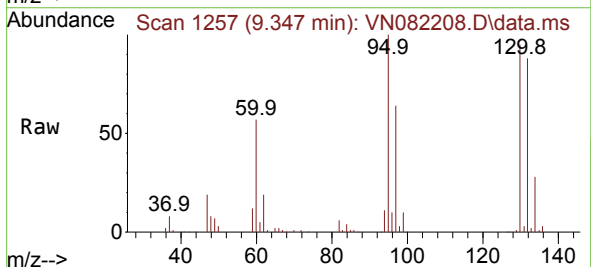
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-191D2-GW-20240514

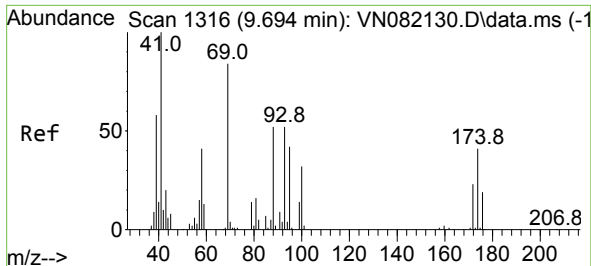
Tgt Ion:130 Resp: 503263
Ion Ratio Lower Upper
130 100
95 104.2 0.0 195.4



#45
1,2-Dichloropropane
Concen: 0.743 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.277 min
Lab File: VN082208.D
Acq: 20 May 2024 14:34

Tgt Ion: 63 Resp: 1807
Ion Ratio Lower Upper
63 100
65 312.7 24.1 36.1#





#49

1,4-Dioxane

Concen: 1.625 ug/l

RT: 9.700 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082208.D

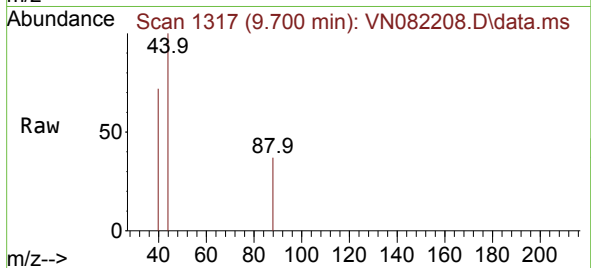
Acq: 20 May 2024 14:34

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-191D2-GW-20240514



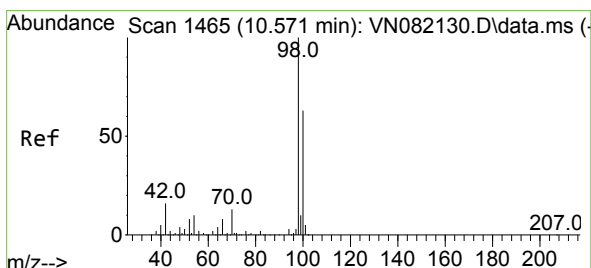
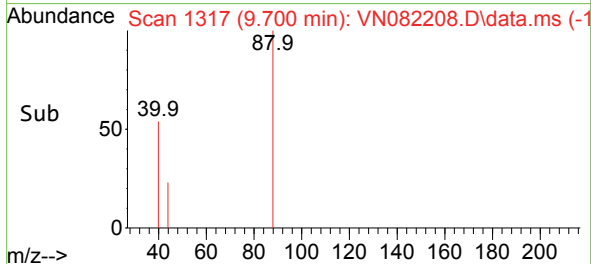
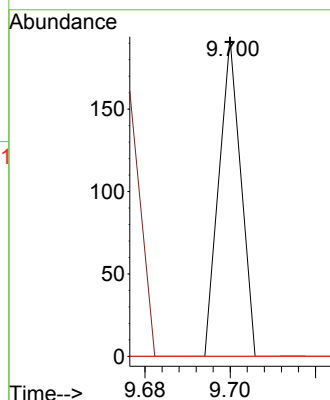
Tgt Ion: 88 Resp: 68

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 0.0 50.6 76.0#



#50

Toluene-d8

Concen: 55.211 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN082208.D

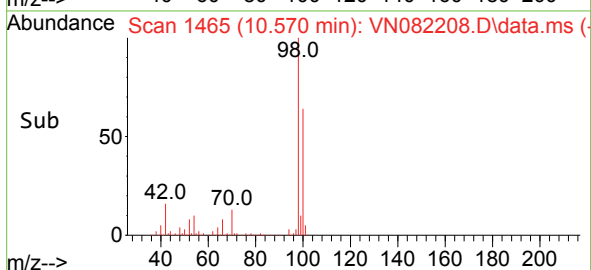
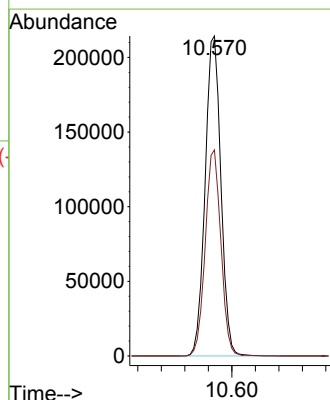
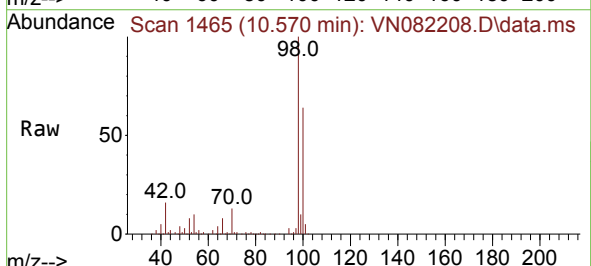
Acq: 20 May 2024 14:34

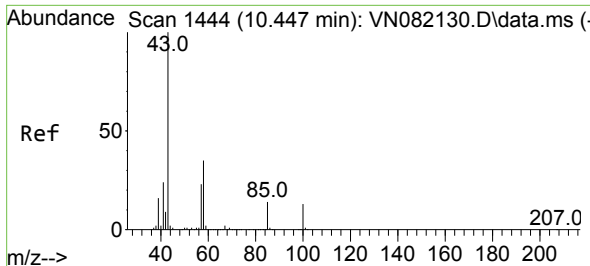
Tgt Ion: 98 Resp: 398816

Ion Ratio Lower Upper

98 100

100 63.9 51.8 77.6

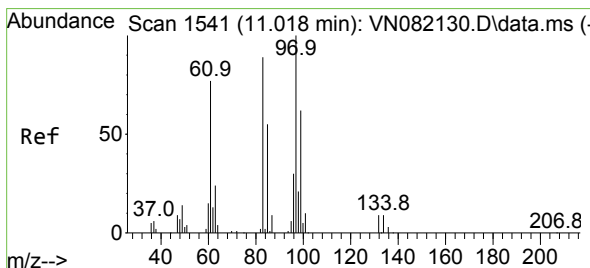
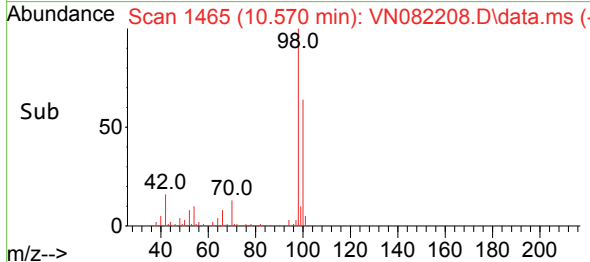
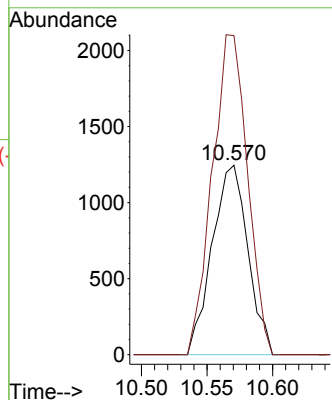
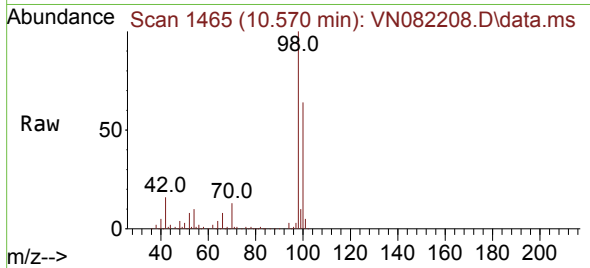




#51
4-Methyl-2-Pentanone
Concen: 0.663 ug/l
RT: 10.570 min Scan# 1444
Delta R.T. 0.123 min
Lab File: VN082208.D
Acq: 20 May 2024 14:34

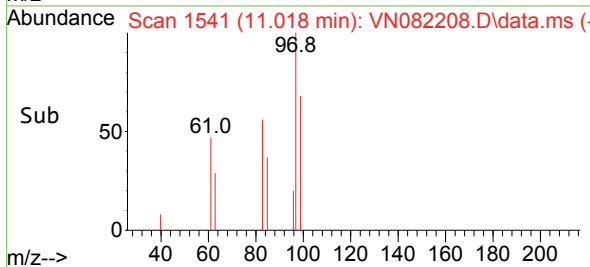
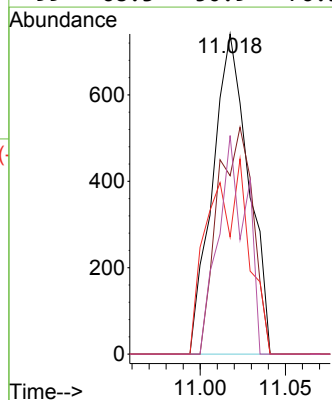
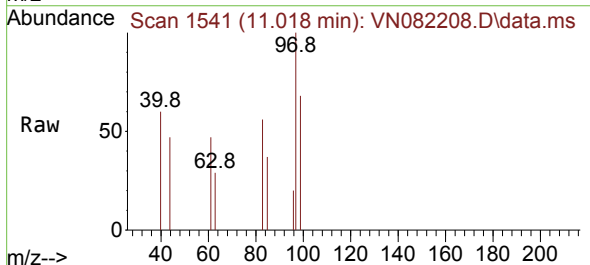
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-191D2-GW-20240514

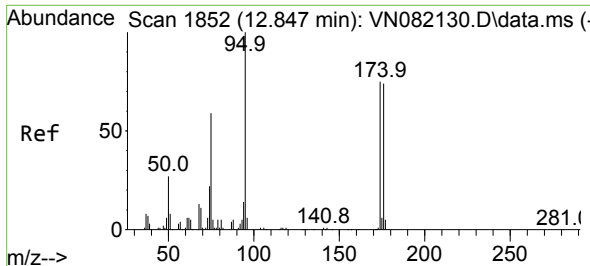
Tgt Ion: 43 Resp: 2359
Ion Ratio Lower Upper
43 100
58 166.6 33.2 49.8#



#55
1,1,2-Trichloroethane
Concen: 0.530 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. -0.000 min
Lab File: VN082208.D
Acq: 20 May 2024 14:34

Tgt Ion: 97 Resp: 1090
Ion Ratio Lower Upper
97 100
83 55.7 70.4 105.6#
85 36.6 45.6 68.4#
99 68.3 50.9 76.3

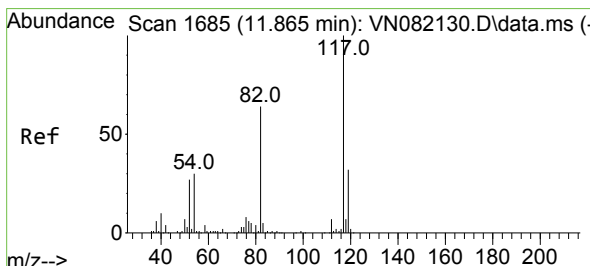
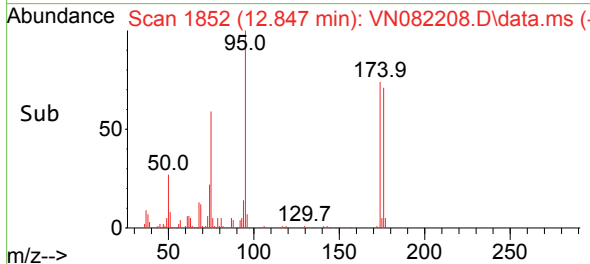
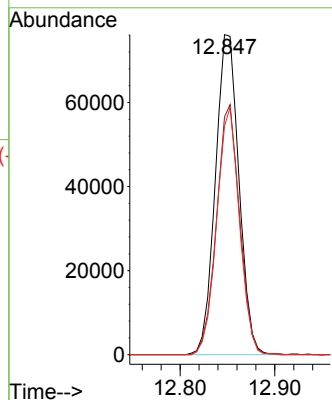
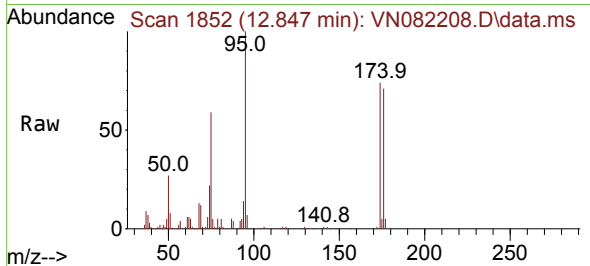




#62
4-Bromofluorobenzene
Concen: 51.079 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082208.D
Acq: 20 May 2024 14:34

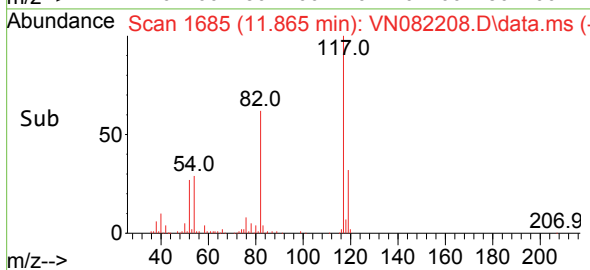
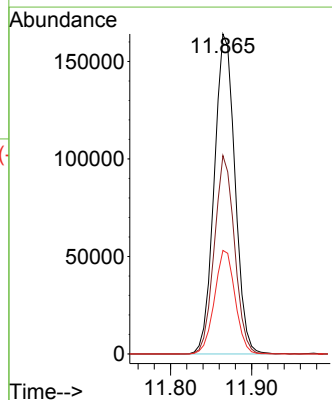
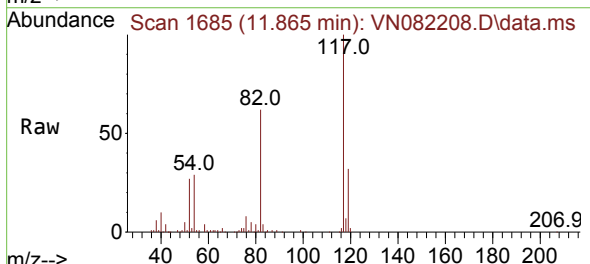
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-191D2-GW-20240514

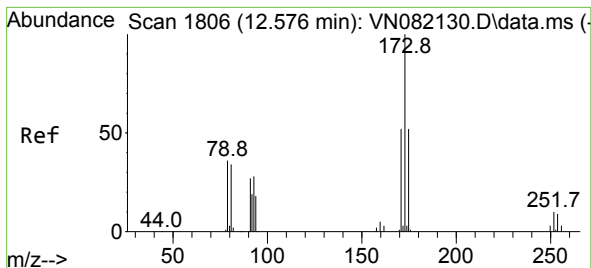
Tgt Ion: 95 Resp: 131692
Ion Ratio Lower Upper
95 100
174 76.8 0.0 160.6
176 74.1 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082208.D
Acq: 20 May 2024 14:34

Tgt Ion: 117 Resp: 291089
Ion Ratio Lower Upper
117 100
82 62.0 44.6 66.8
119 32.3 25.9 38.9





#71

Bromoform

Concen: 0.903 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

Lab File: VN082208.D

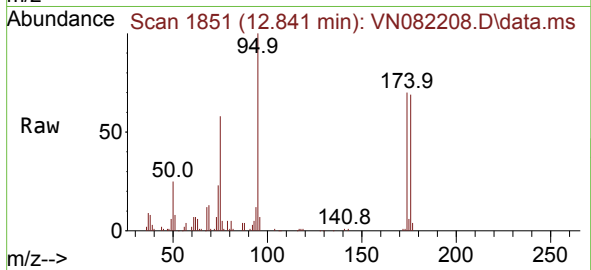
Acq: 20 May 2024 14:34

Instrument :

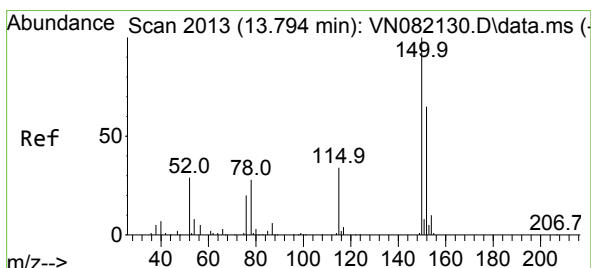
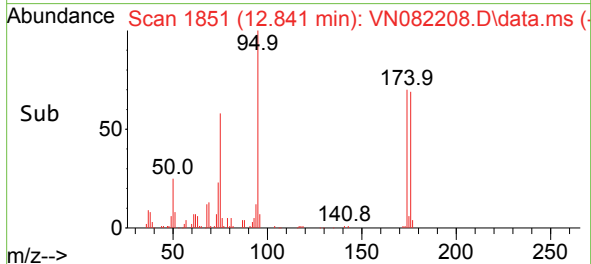
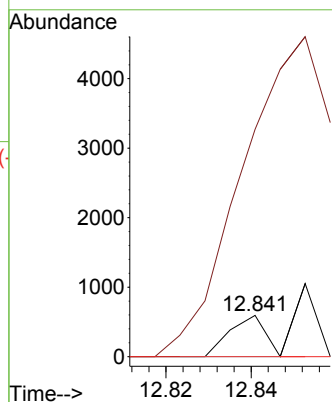
MSVOA_N

ClientSampleId :

BP-TT-191D2-GW-20240514



Tgt Ion:173	Resp:	345
Ion Ratio	Lower	Upper
173	100	
175	0.0	24.6 74.0#
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

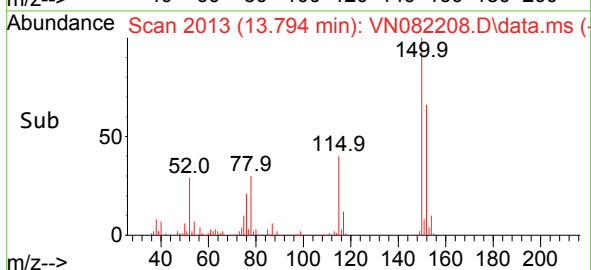
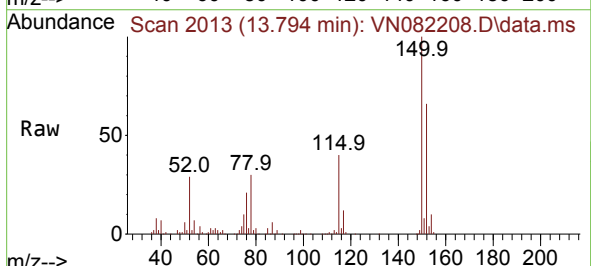
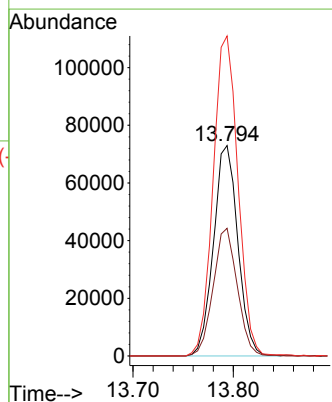
RT: 13.794 min Scan# 2013

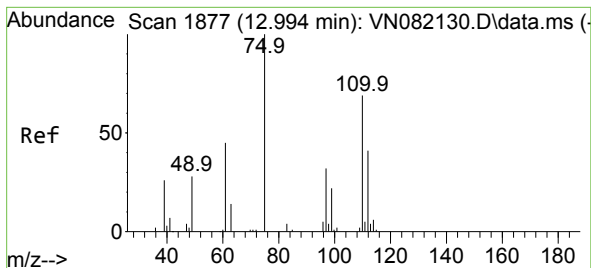
Delta R.T. -0.000 min

Lab File: VN082208.D

Acq: 20 May 2024 14:34

Tgt Ion:152	Resp:	122894
Ion Ratio	Lower	Upper
152	100	
115	60.2	30.4 91.3
150	155.4	0.0 353.2





#76

1,2,3-Trichloropropane

Concen: 29.987 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082208.D

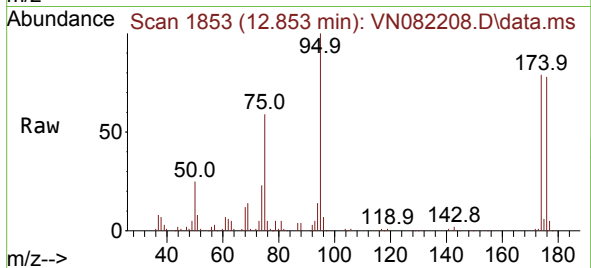
Acq: 20 May 2024 14:34

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-191D2-GW-20240514

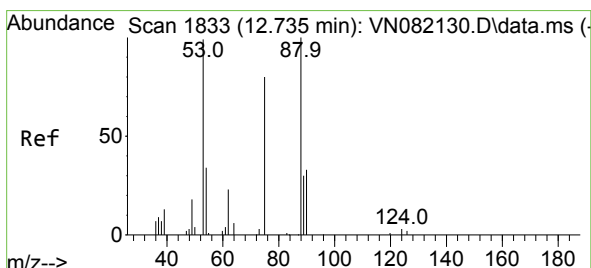
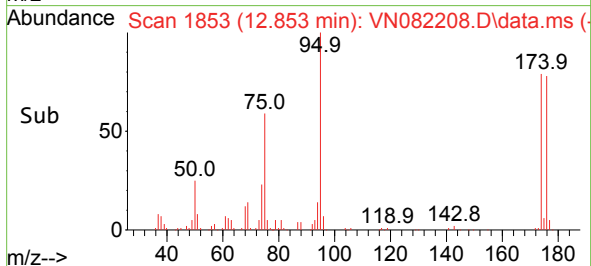
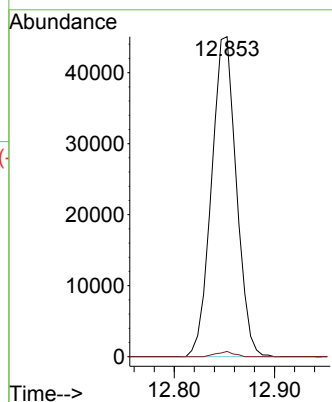


Tgt Ion: 75 Resp: 77566

Ion Ratio Lower Upper

75 100

77 1.1 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.139 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.117 min

Lab File: VN082208.D

Acq: 20 May 2024 14:34

Tgt Ion: 75 Resp: 77566

Ion Ratio Lower Upper

75 100

53 0.1 72.9 109.3#

89 0.0 39.1 58.7#

