

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112223\
 Data File : VN080248.D
 Acq On : 22 Nov 2023 15:31
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 23 00:22:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

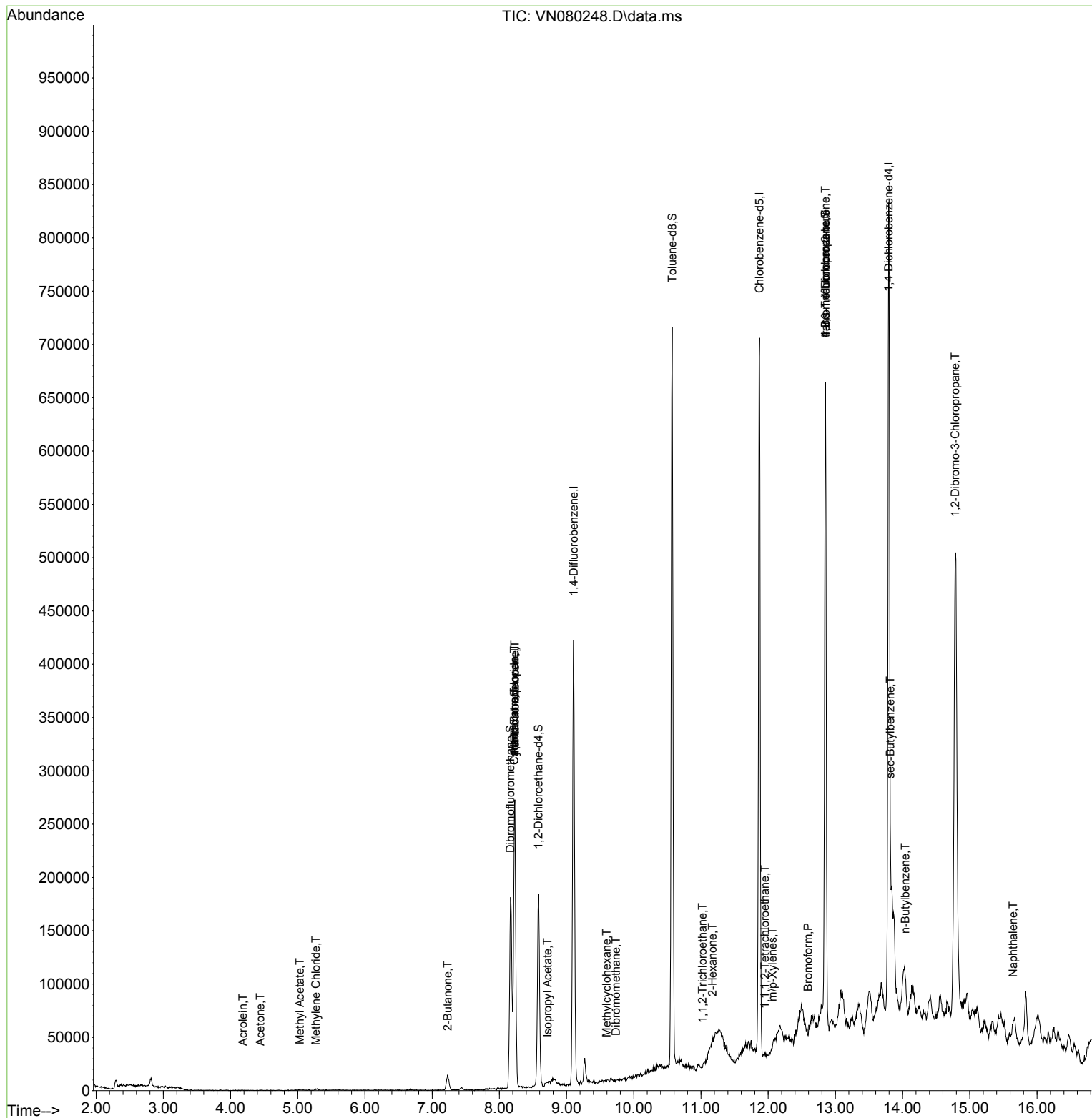
Internal Standards						
1) Pentafluorobenzene	8.229	168	186497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	346180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	391058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	186349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	160503	52.122	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.240%			
35) Dibromofluoromethane	8.165	113	125914	49.294	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.580%			
50) Toluene-d8	10.571	98	476479	51.747	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.500%			
62) 4-Bromofluorobenzene	12.853	95	211047	60.681	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 121.360%			
Target Compounds					Qvalue	
6) Chloroethane	3.142	64	464	Below Cal	#	43
13) Acrolein	4.183	56	65	0.217	ug/l #	16
16) Acetone	4.441	43	210	0.203	ug/l #	40
18) Methyl Acetate	5.030	43	1430	0.430	ug/l	95
20) Methylene Chloride	5.271	84	849	0.392	ug/l #	32
25) 2-Butanone	7.230	43	5965	4.854	ug/l #	32
31) Cyclohexane	8.224	56	4546	1.357	ug/l #	25
36) 1,1-Dichloropropene	8.229	75	15665	4.236	ug/l #	51
38) Carbon Tetrachloride	8.224	117	20735	4.418	ug/l #	17
39) Methylcyclohexane	9.594	83	794	0.223	ug/l #	67
43) Isopropyl Acetate	8.718	43	4117	0.825	ug/l #	49
46) Dibromomethane	9.735	93	454	0.246	ug/l #	45
55) 1,1,2-Trichloroethane	11.023	97	648	0.258	ug/l #	20
59) 2-Hexanone	11.170	43	480	0.231	ug/l	73
66) 1,1,1,2-Tetrachloroethane	11.953	131	791	0.230	ug/l #	30
68) m/p-Xylenes	12.065	106	1658	0.288	ug/l	86
71) Bromoform	12.594	173	949	0.372	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	116521	25.520	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	116521	86.222	ug/l #	15
85) sec-Butylbenzene	13.817	105	5279	0.413	ug/l	79
89) n-Butylbenzene	14.041	91	2543	0.266	ug/l #	52
92) 1,2-Dibromo-3-Chloropr...	14.782	75	1857	1.845	ug/l #	53
95) Naphthalene	15.647	128	7760	0.731	ug/l #	45

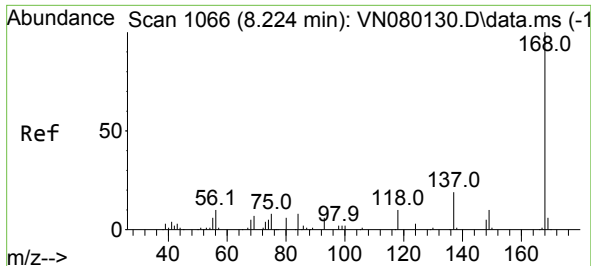
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112223\
Data File : VN080248.D
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Sample : IBLK
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Instrument :
MSVOA_N
ClientSampleId :

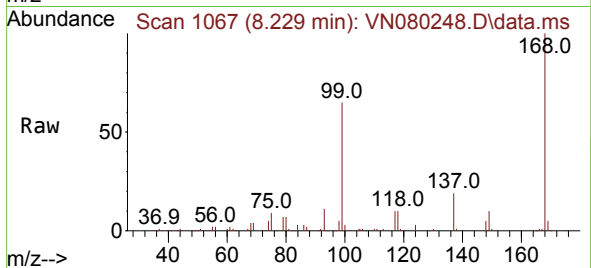
Quant Time: Nov 23 00:22:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration



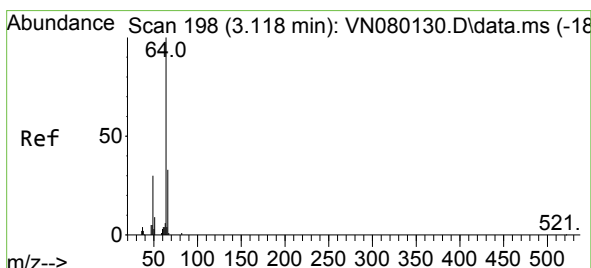
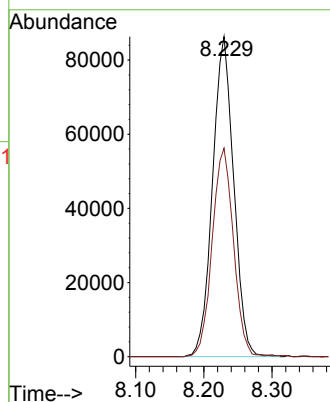
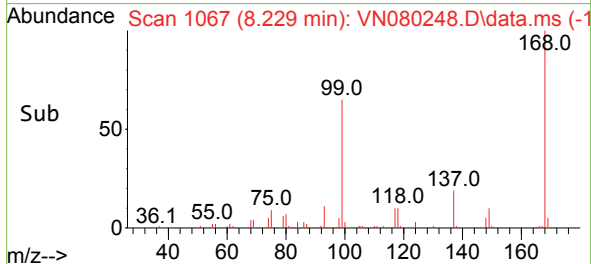


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN080248.D
Acq: 22 Nov 2023 15:31

Instrument :
MSVOA_N
ClientSampleId :

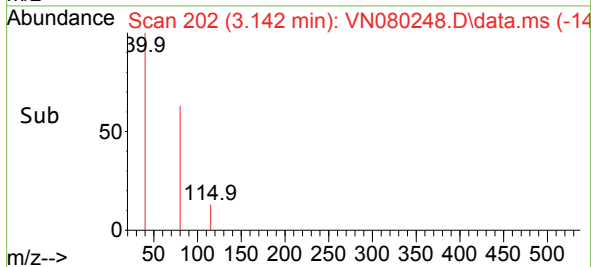
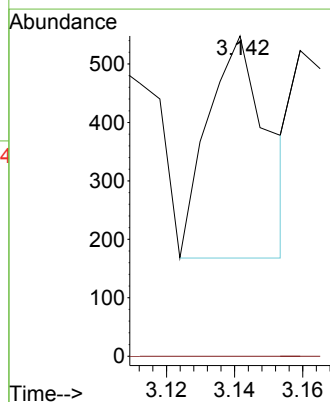
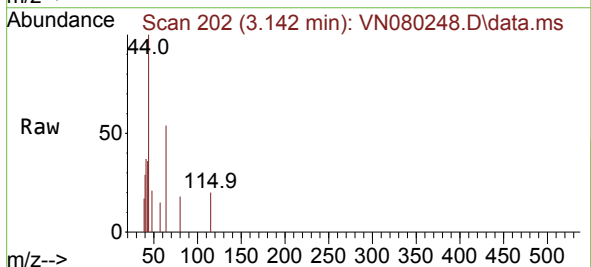


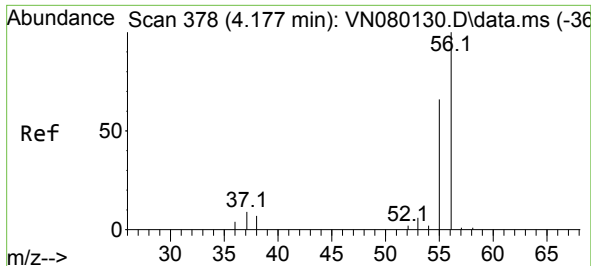
Tgt Ion:168 Resp: 186497
Ion Ratio Lower Upper
168 100
99 65.2 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.142 min Scan# 202
Delta R.T. 0.024 min
Lab File: VN080248.D
Acq: 22 Nov 2023 15:31

Tgt Ion: 64 Resp: 464
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#13

Acrolein

Concen: 0.217 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN080248.D

Acq: 22 Nov 2023 15:31

Instrument :

MSVOA_N

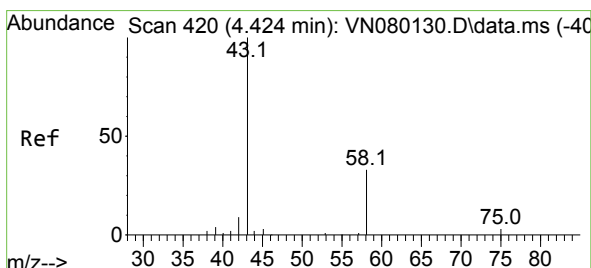
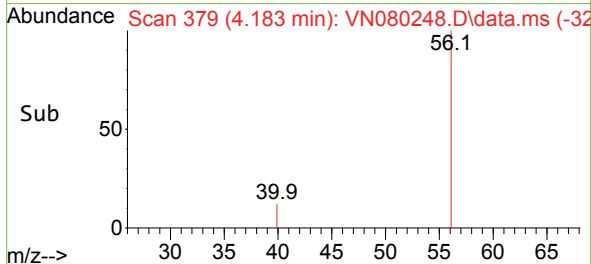
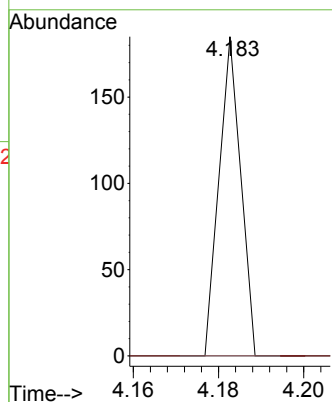
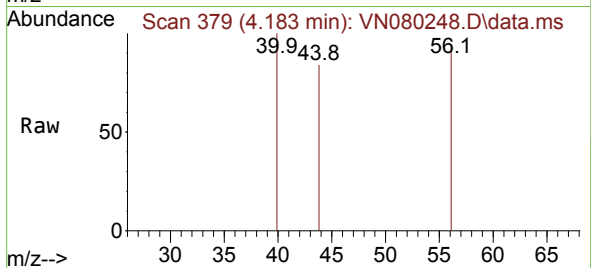
ClientSampleId :

Tgt Ion: 56 Resp: 65

Ion Ratio Lower Upper

56 100

55 0.0 54.5 81.7#



#16

Acetone

Concen: 0.203 ug/l

RT: 4.441 min Scan# 423

Delta R.T. 0.017 min

Lab File: VN080248.D

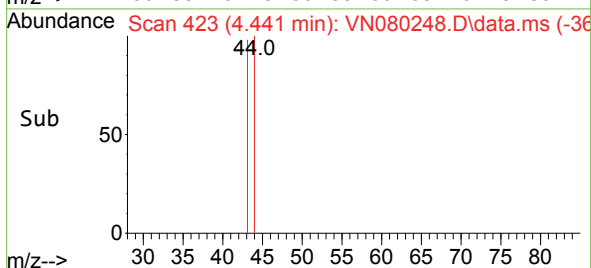
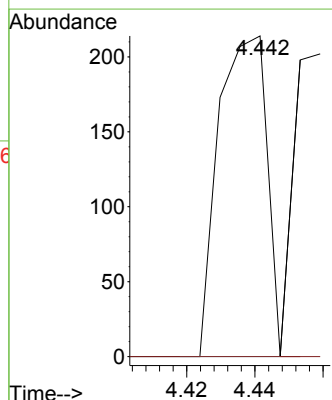
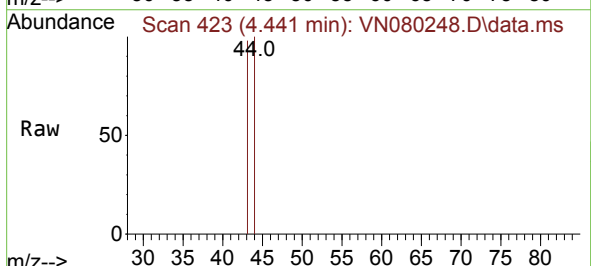
Acq: 22 Nov 2023 15:31

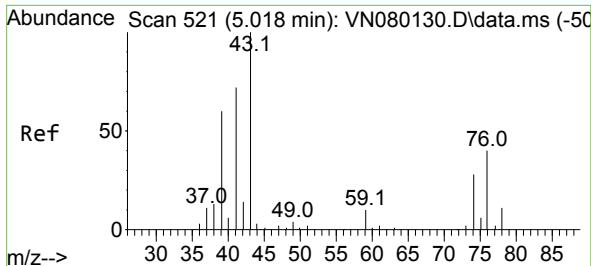
Tgt Ion: 43 Resp: 210

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#

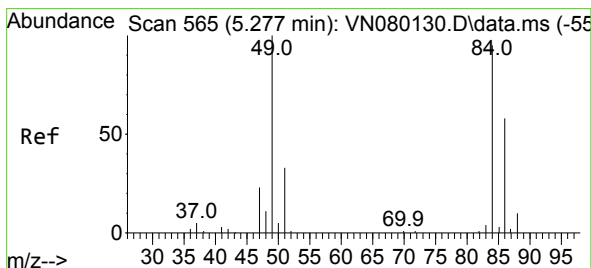
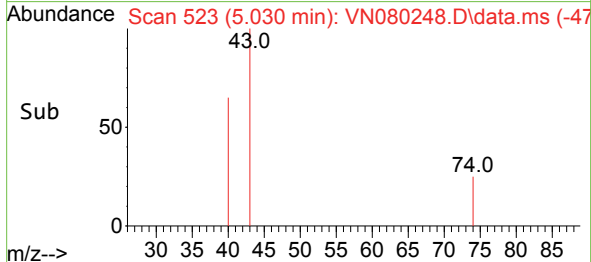
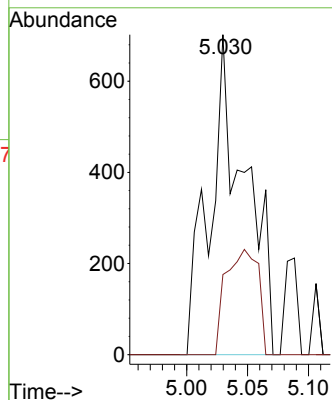
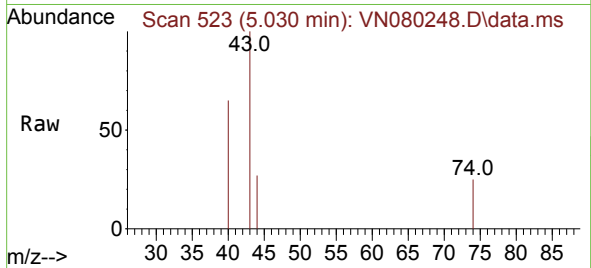




#18
Methyl Acetate
Concen: 0.430 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080248.D
Acq: 22 Nov 2023 15:31

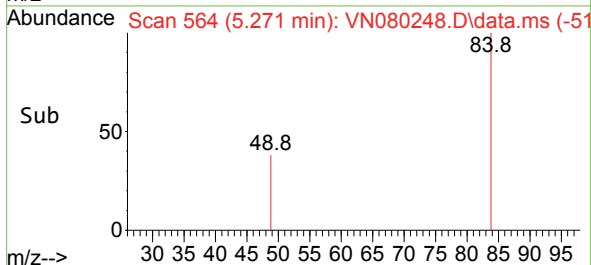
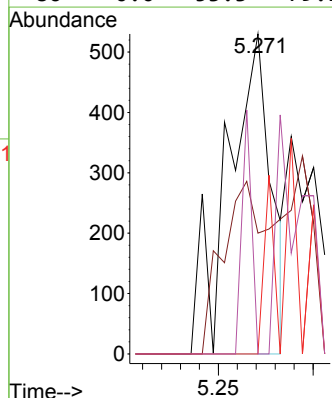
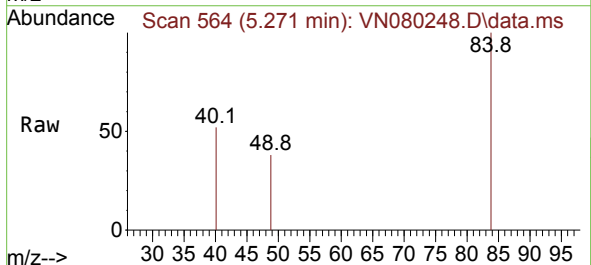
Instrument :
MSVOA_N
ClientSampleId :

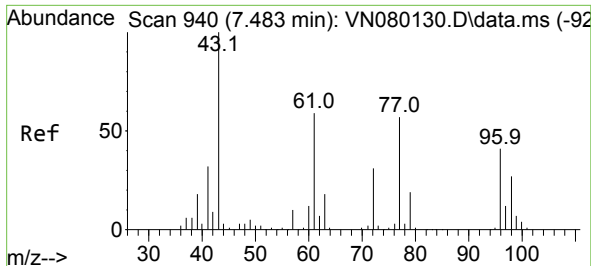
Tgt Ion: 43 Resp: 1430
Ion Ratio Lower Upper
43 100
74 29.8 26.2 39.4



#20
Methylene Chloride
Concen: 0.392 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN080248.D
Acq: 22 Nov 2023 15:31

Tgt Ion: 84 Resp: 849
Ion Ratio Lower Upper
84 100
49 37.7 79.7 119.5#
51 0.0 25.2 37.8#
86 0.0 53.3 79.9#

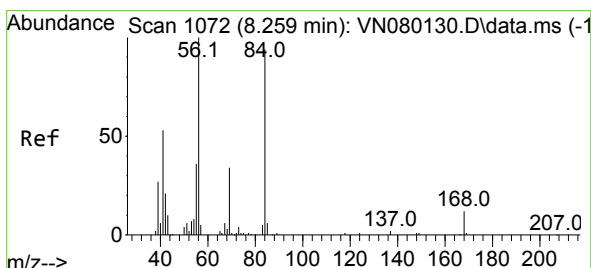
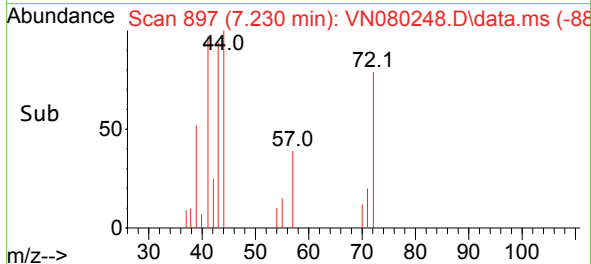
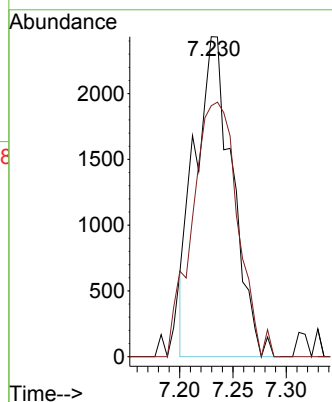
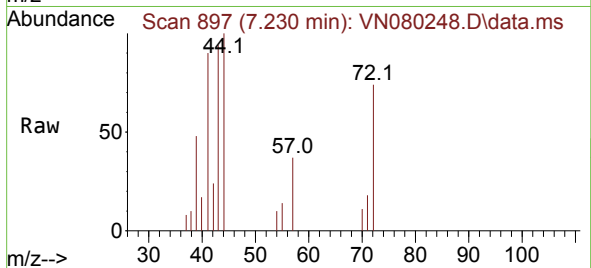




#25
2-Butanone
Concen: 4.854 ug/l
RT: 7.230 min Scan# 897
Delta R.T. -0.253 min
Lab File: VN080248.D
Acq: 22 Nov 2023 15:31

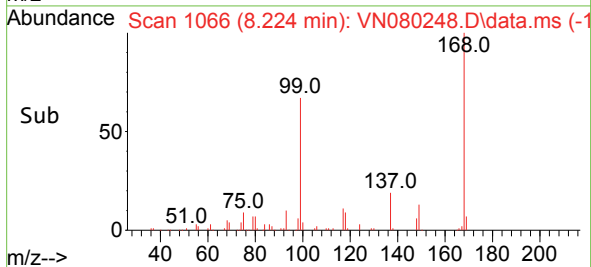
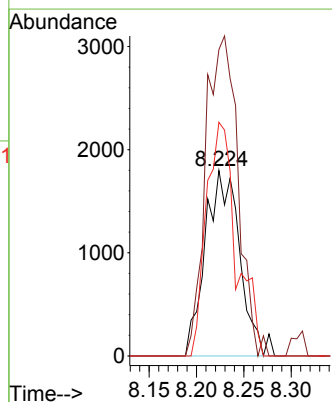
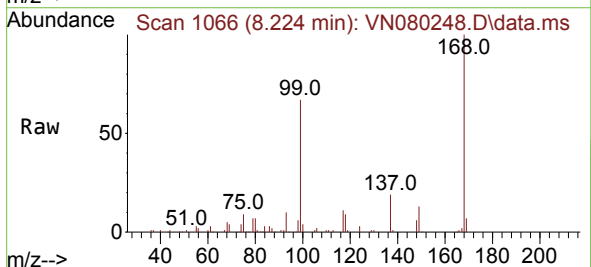
Instrument :
MSVOA_N
ClientSampleId :

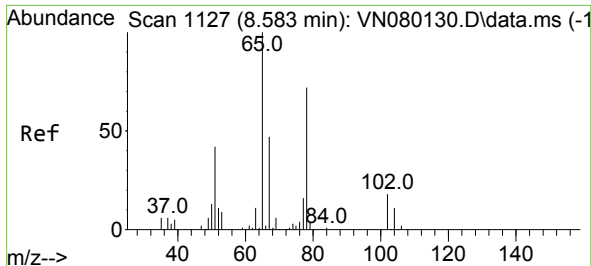
Tgt Ion: 43 Resp: 5965
Ion Ratio Lower Upper
43 100
72 78.4 30.2 45.2#



#31
Cyclohexane
Concen: 1.357 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.036 min
Lab File: VN080248.D
Acq: 22 Nov 2023 15:31

Tgt Ion: 56 Resp: 4546
Ion Ratio Lower Upper
56 100
69 165.3 26.8 40.2#
84 126.0 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 52.122 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080248.D

Acq: 22 Nov 2023 15:31

Instrument :

MSVOA_N

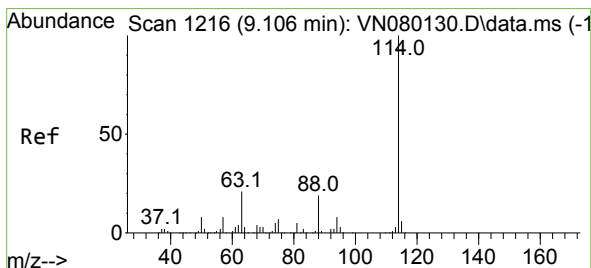
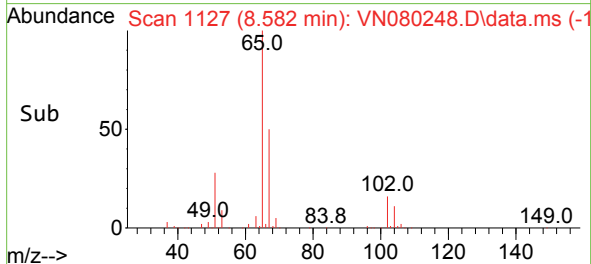
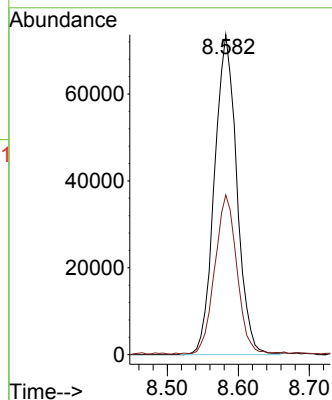
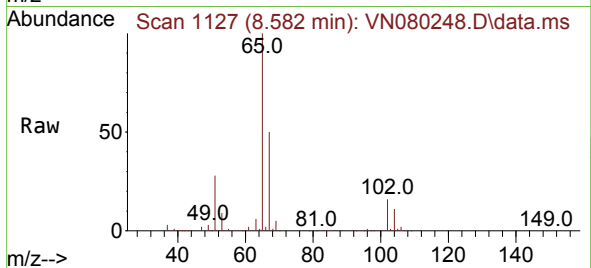
ClientSampleId :

Tgt Ion: 65 Resp: 160503

Ion Ratio Lower Upper

65 100

67 49.2 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN080248.D

Acq: 22 Nov 2023 15:31

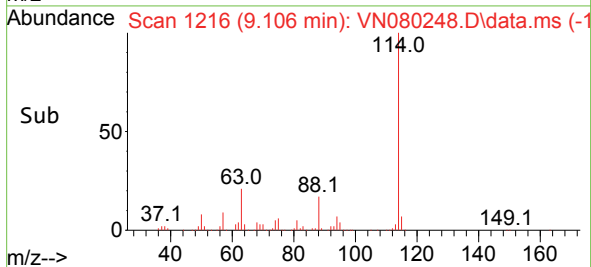
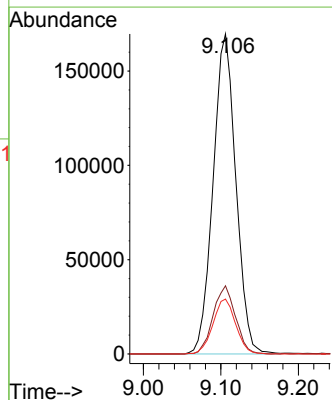
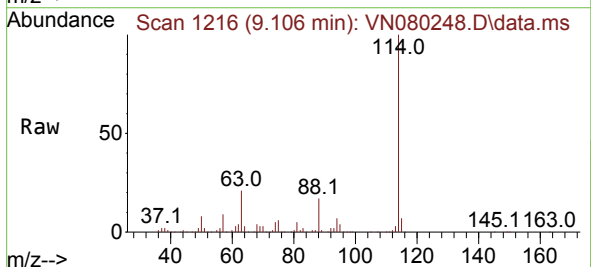
Tgt Ion: 114 Resp: 346180

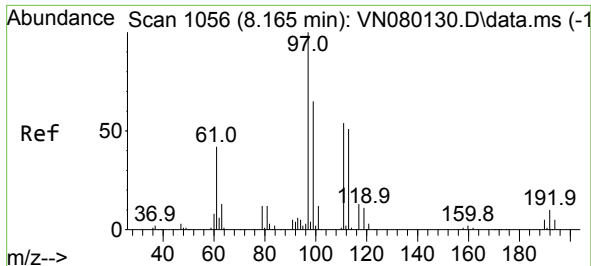
Ion Ratio Lower Upper

114 100

63 21.3 0.0 36.4

88 17.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.294 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

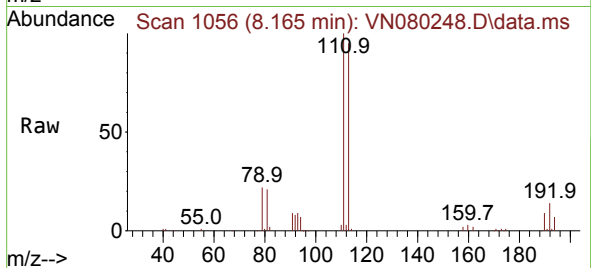
Lab File: VN080248.D

Acq: 22 Nov 2023 15:31

Instrument :

MSVOA_N

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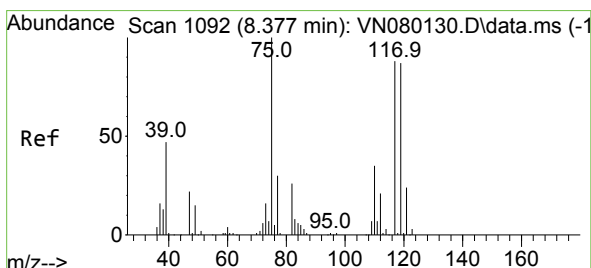
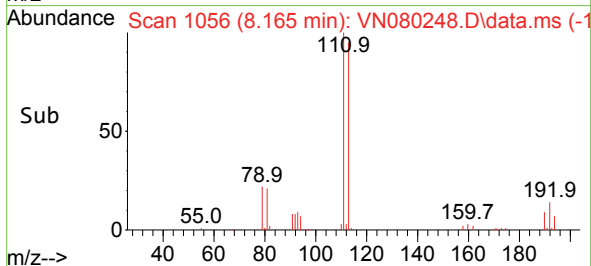
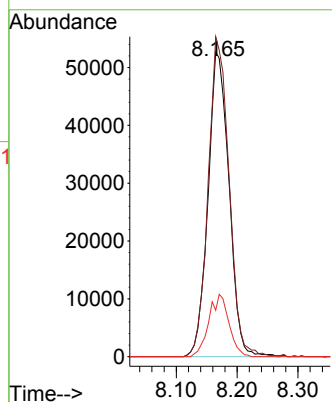
Tgt Ion:113 Resp: 125914

Ion Ratio Lower Upper

113 100

111 104.7 82.6 123.8

192 19.6 12.7 19.1#



#36

1,1-Dichloropropene

Concen: 4.236 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN080248.D

Acq: 22 Nov 2023 15:31

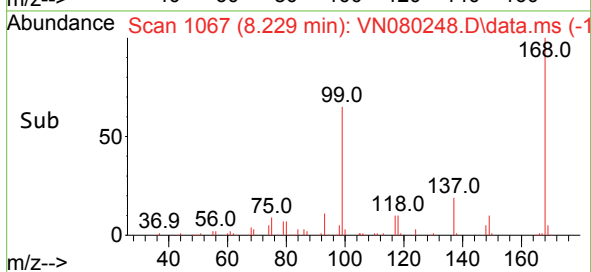
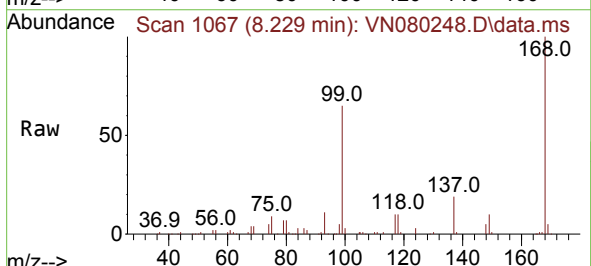
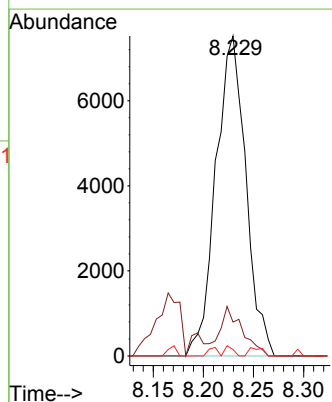
Tgt Ion: 75 Resp: 15665

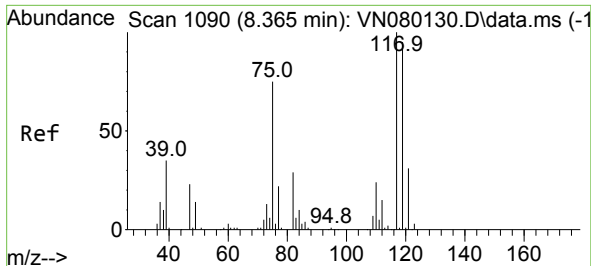
Ion Ratio Lower Upper

75 100

110 11.3 19.1 57.3#

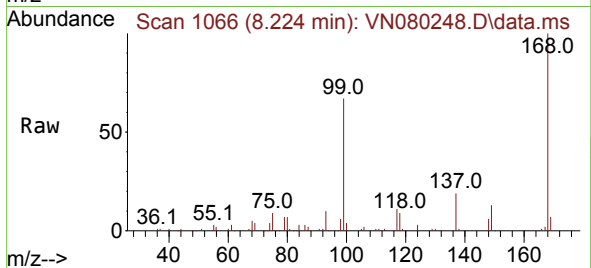
77 0.9 25.0 37.4#



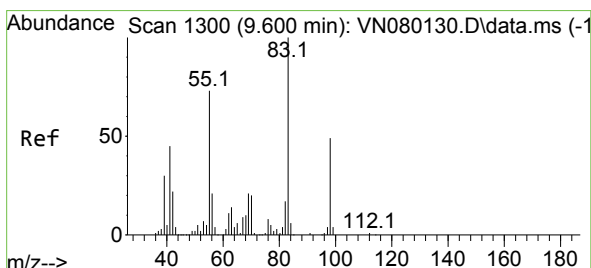
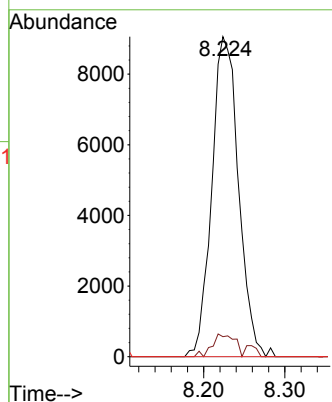
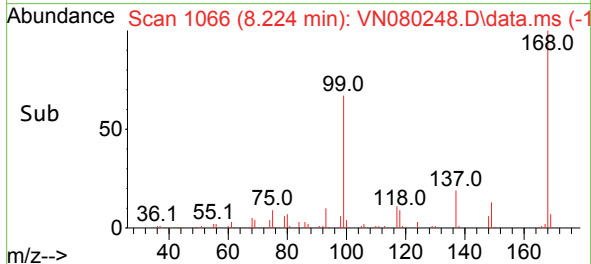


#38
Carbon Tetrachloride
Concen: 4.418 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080248.D
Acq: 22 Nov 2023 15:31

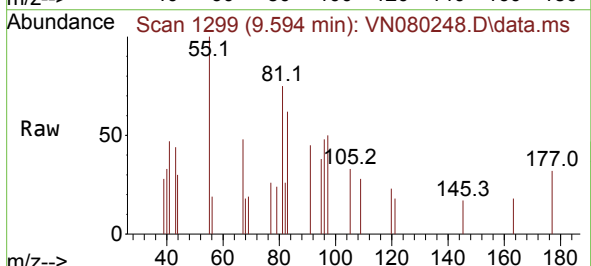
Instrument :
MSVOA_N
ClientSampleId :



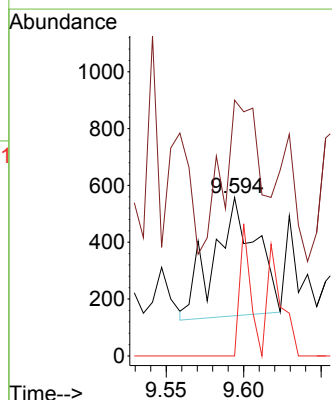
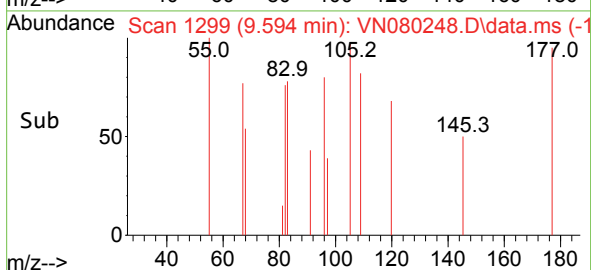
Tgt Ion:117 Resp: 20735
Ion Ratio Lower Upper
117 100
119 6.2 77.3 115.9#
121 0.0 23.3 34.9#

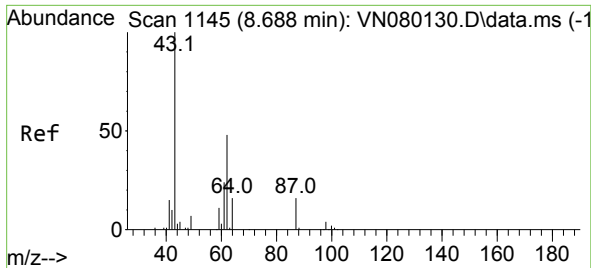


#39
Methylcyclohexane
Concen: 0.223 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.006 min
Lab File: VN080248.D
Acq: 22 Nov 2023 15:31



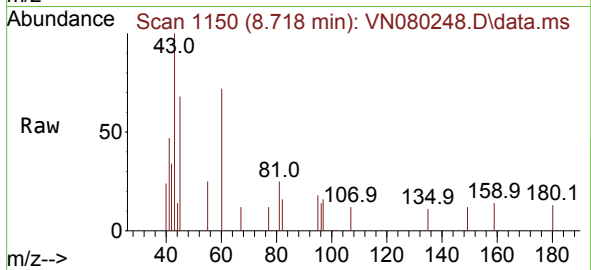
Tgt Ion: 83 Resp: 794
Ion Ratio Lower Upper
83 100
55 61.0 49.1 73.7
98 0.0 40.6 61.0#



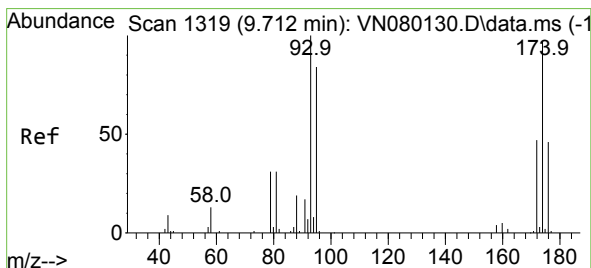
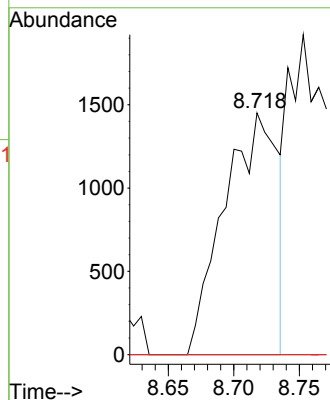
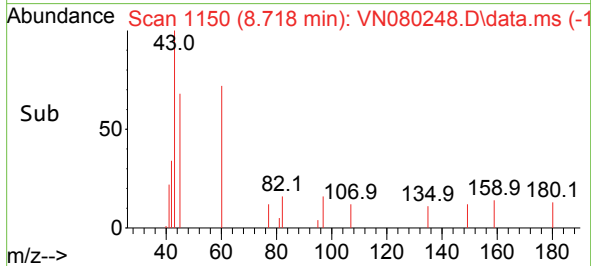


#43
Isopropyl Acetate
Concen: 0.825 ug/l
RT: 8.718 min Scan# 1150
Delta R.T. 0.029 min
Lab File: VN080248.D
Acq: 22 Nov 2023 15:31

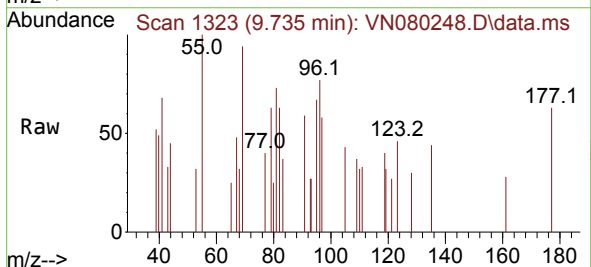
Instrument :
MSVOA_N
ClientSampleId :



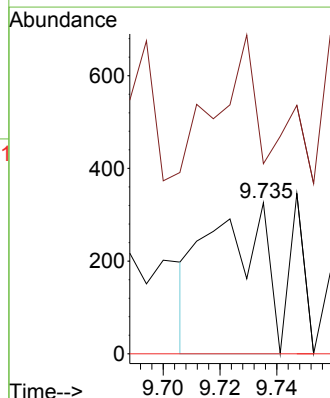
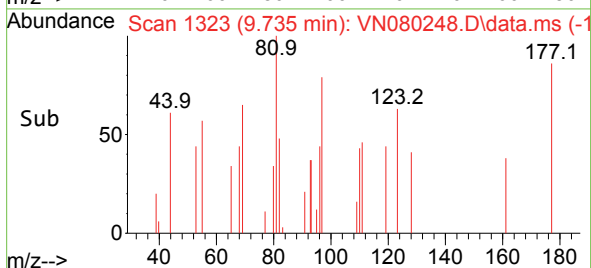
Tgt Ion: 43 Resp: 4117
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

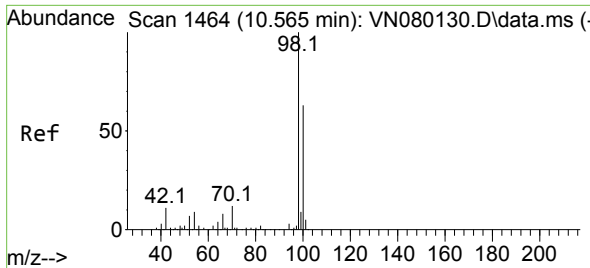


#46
Dibromomethane
Concen: 0.246 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.023 min
Lab File: VN080248.D
Acq: 22 Nov 2023 15:31



Tgt Ion: 93 Resp: 454
Ion Ratio Lower Upper
93 100
95 64.8 63.8 95.8
174 0.0 65.6 98.4#

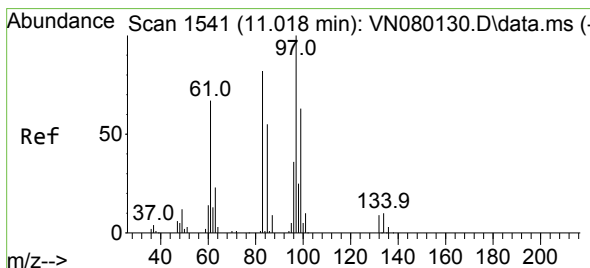
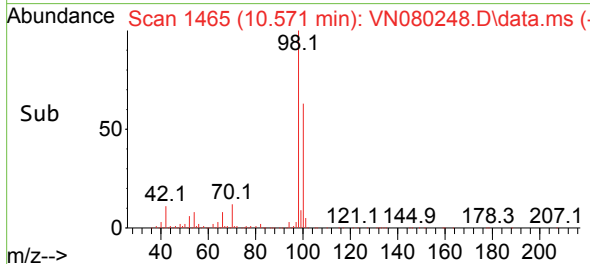
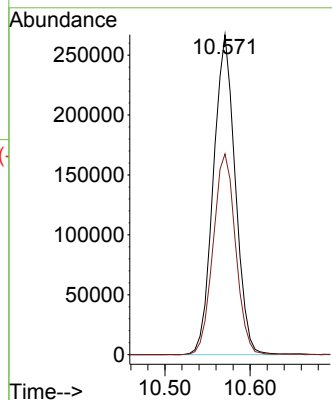
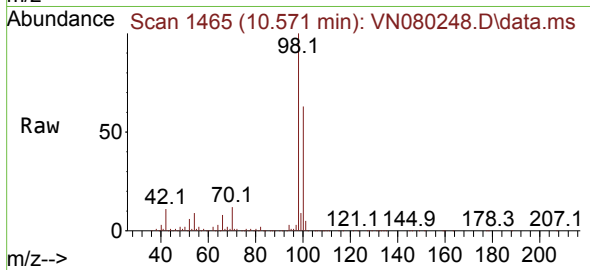




#50
Toluene-d8
Concen: 51.747 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080248.D
Acq: 22 Nov 2023 15:31

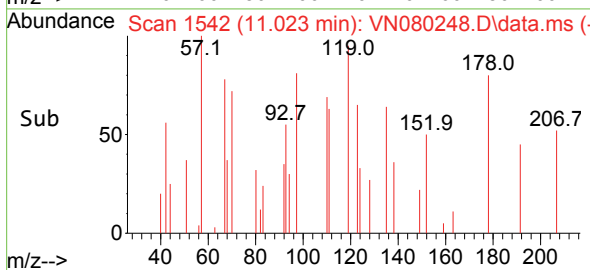
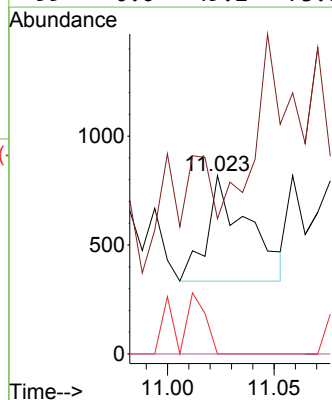
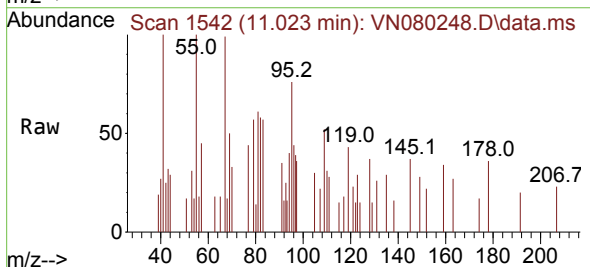
Instrument :
MSVOA_N
ClientSampleId :

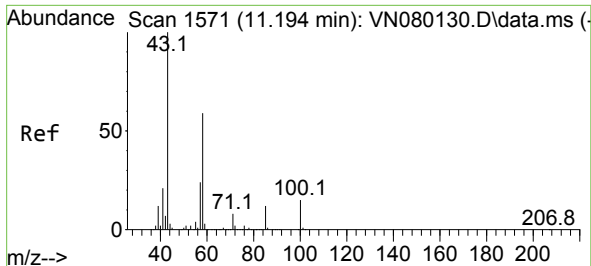
Tgt Ion: 98 Resp: 476479
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0



#55
1,1,2-Trichloroethane
Concen: 0.258 ug/l
RT: 11.023 min Scan# 1542
Delta R.T. 0.006 min
Lab File: VN080248.D
Acq: 22 Nov 2023 15:31

Tgt Ion: 97 Resp: 648
Ion Ratio Lower Upper
97 100
83 7.6 65.1 97.7#
85 0.0 43.4 65.2#
99 0.0 49.2 73.8#

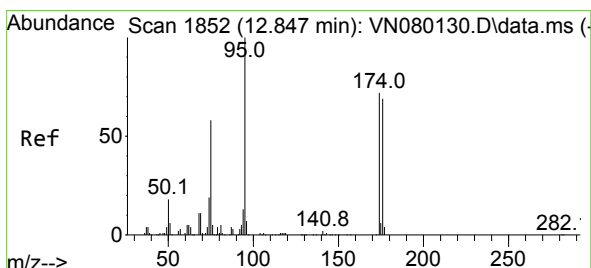
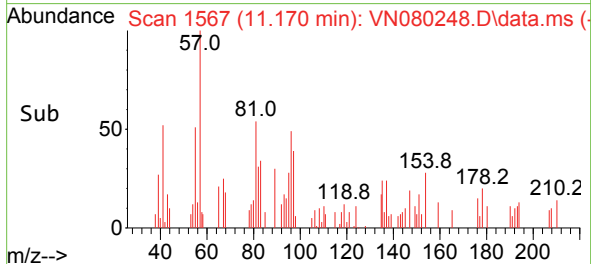
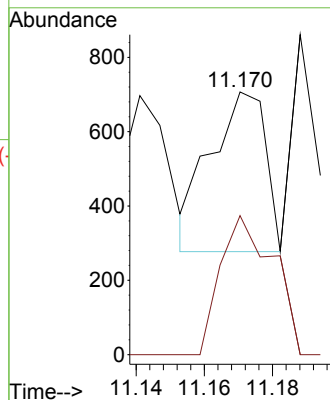
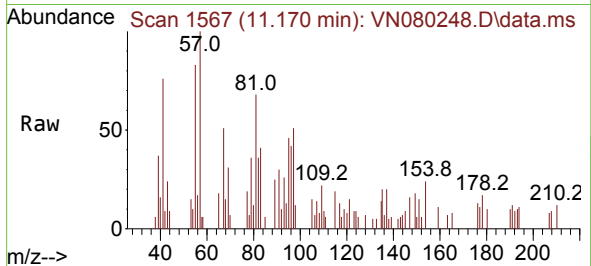




#59
2-Hexanone
Concen: 0.231 ug/l
RT: 11.170 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN080248.D
Acq: 22 Nov 2023 15:31

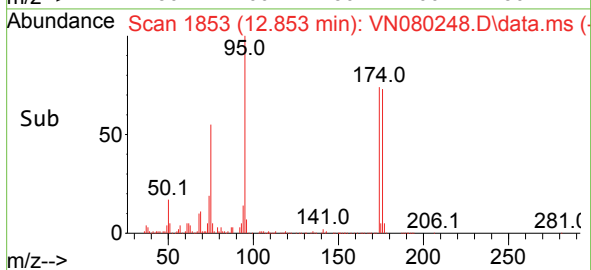
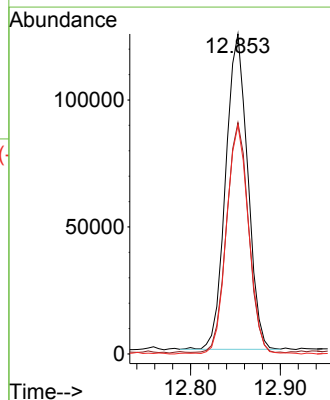
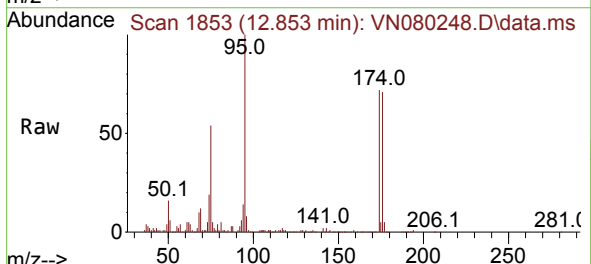
Instrument :
MSVOA_N
ClientSampleId :

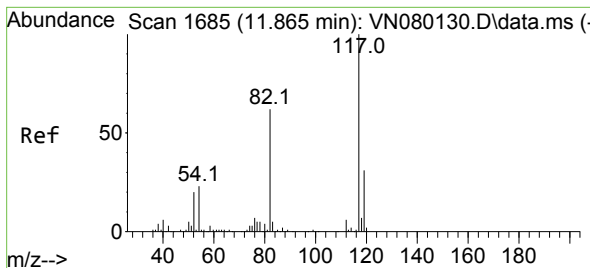
Tgt Ion: 43 Resp: 480
Ion Ratio Lower Upper
43 100
58 84.2 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 60.681 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080248.D
Acq: 22 Nov 2023 15:31

Tgt Ion: 95 Resp: 211047
Ion Ratio Lower Upper
95 100
174 72.9 0.0 143.8
176 73.2 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080248.D

Acq: 22 Nov 2023 15:31

Instrument :

MSVOA_N

ClientSampleId :

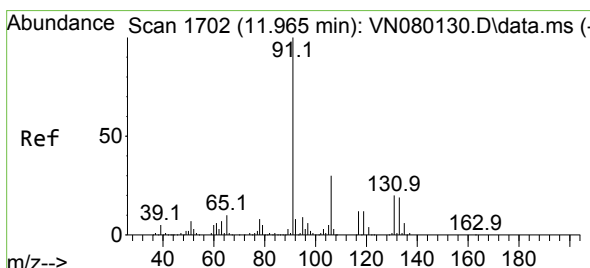
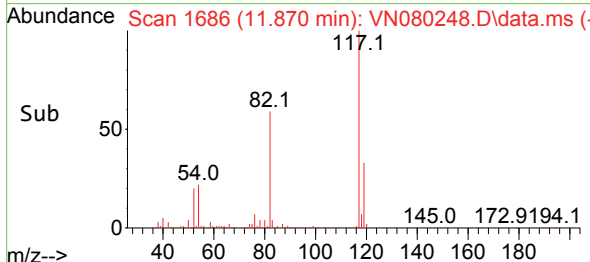
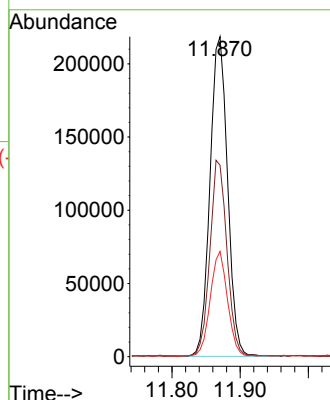
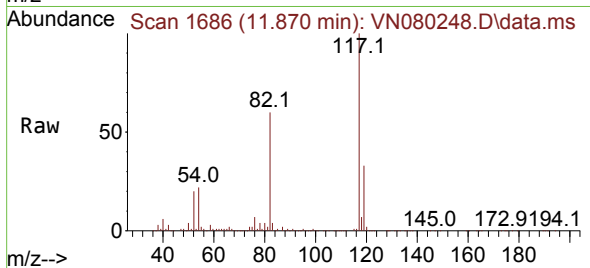
Tgt Ion:117 Resp: 391058

Ion Ratio Lower Upper

117 100

82 59.6 44.0 66.0

119 32.7 25.6 38.4



#66

1,1,1,2-Tetrachloroethane

Concen: 0.230 ug/l

RT: 11.953 min Scan# 1700

Delta R.T. -0.012 min

Lab File: VN080248.D

Acq: 22 Nov 2023 15:31

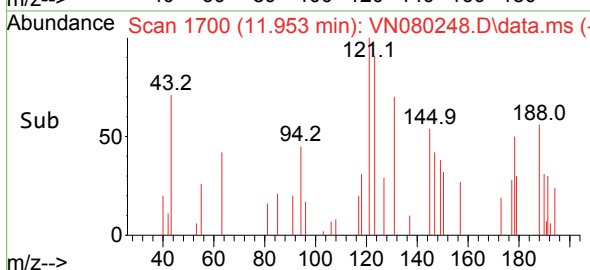
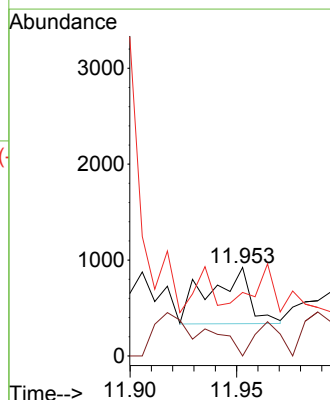
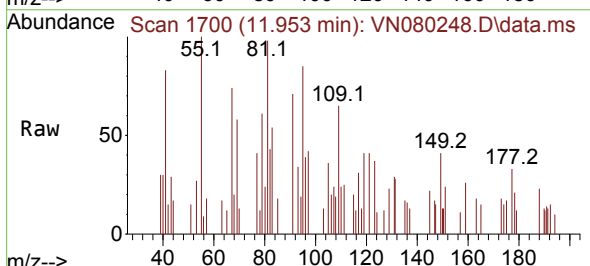
Tgt Ion:131 Resp: 791

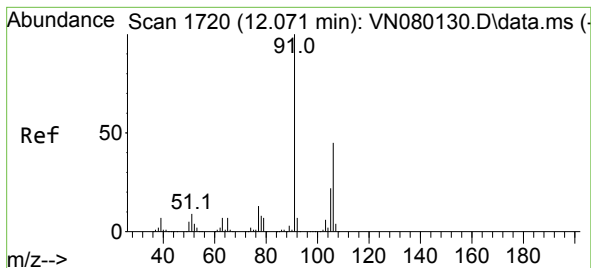
Ion Ratio Lower Upper

131 100

133 36.2 46.4 139.1#

119 0.0 34.1 102.2#

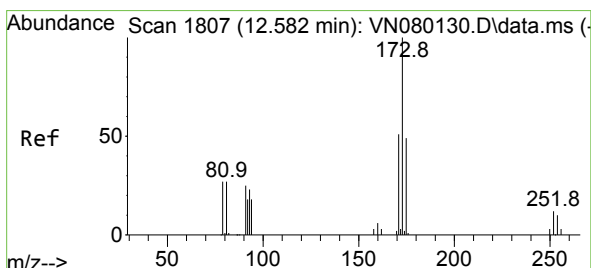
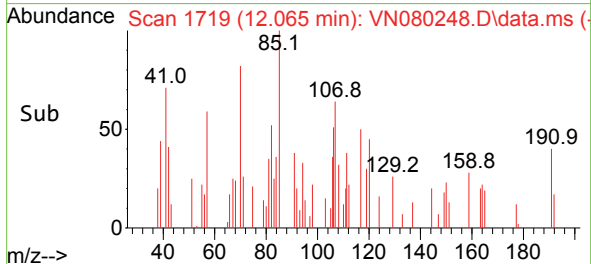
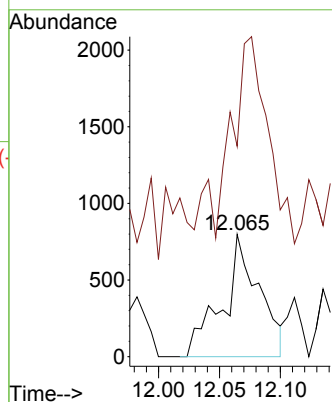
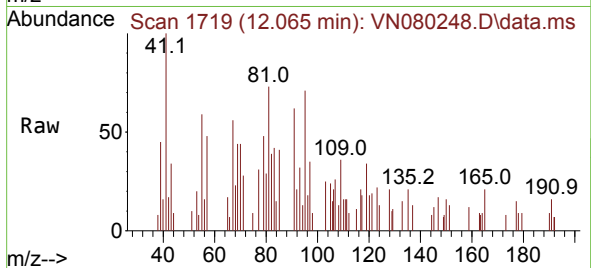




#68
m/p-Xylenes
Concen: 0.288 ug/l
RT: 12.065 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080248.D
Acq: 22 Nov 2023 15:31

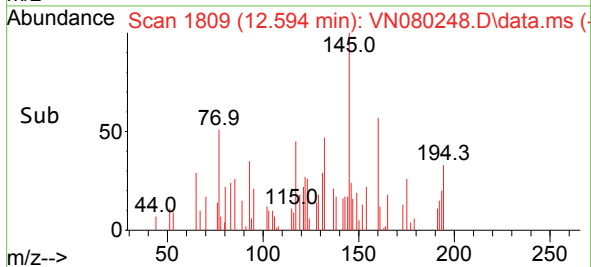
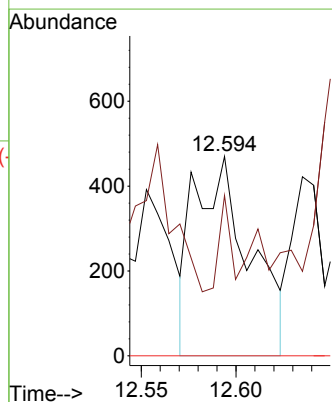
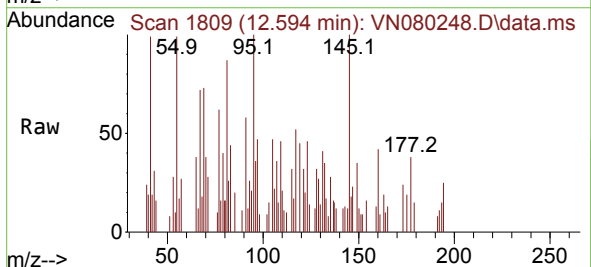
Instrument :
MSVOA_N
ClientSampleId :

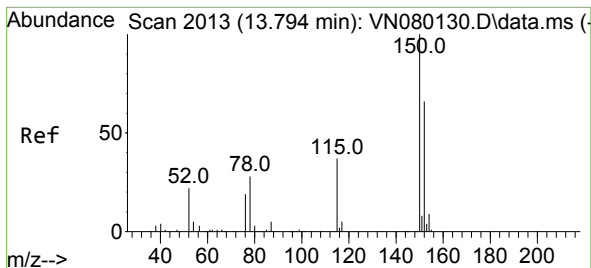
Tgt Ion:106 Resp: 1658
Ion Ratio Lower Upper
106 100
91 178.4 159.6 239.4



#71
Bromoform
Concen: 0.372 ug/l
RT: 12.594 min Scan# 1809
Delta R.T. 0.012 min
Lab File: VN080248.D
Acq: 22 Nov 2023 15:31

Tgt Ion:173 Resp: 949
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

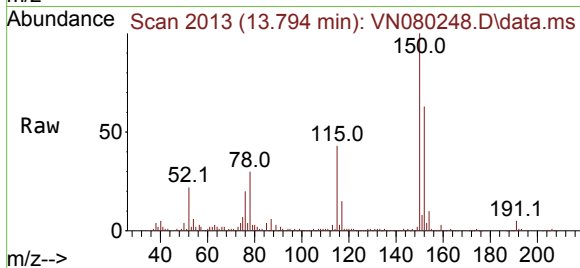
Lab File: VN080248.D

Acq: 22 Nov 2023 15:31

Instrument :

MSVOA_N

ClientSampleId :



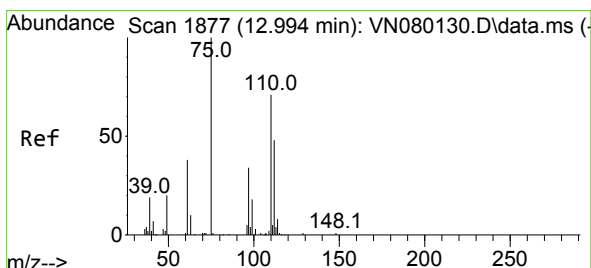
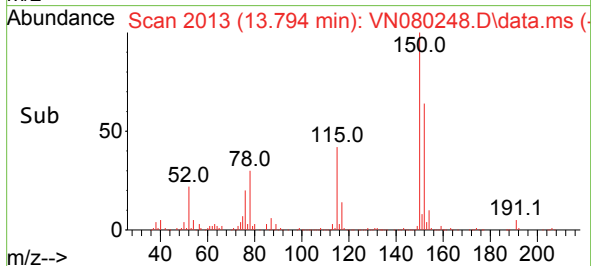
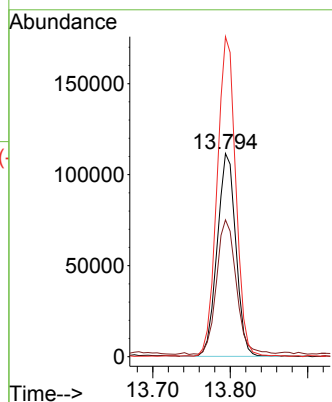
Tgt Ion:152 Resp: 186349

Ion Ratio Lower Upper

152 100

115 69.5 32.3 96.8

150 156.8 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 25.520 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080248.D

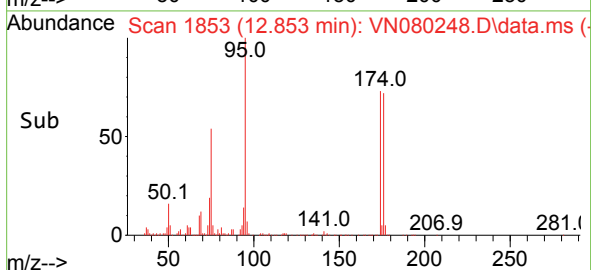
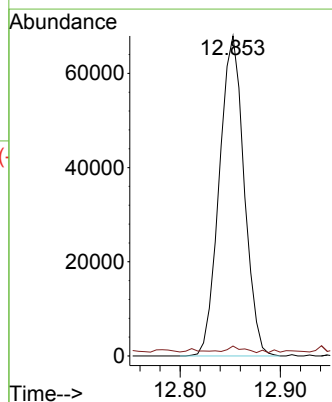
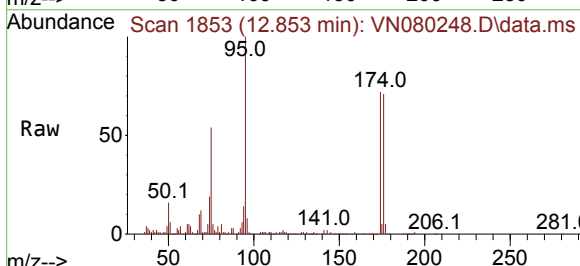
Acq: 22 Nov 2023 15:31

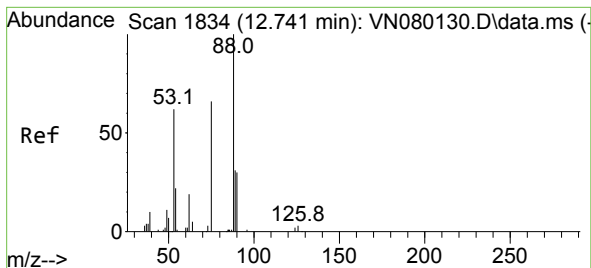
Tgt Ion: 75 Resp: 116521

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#

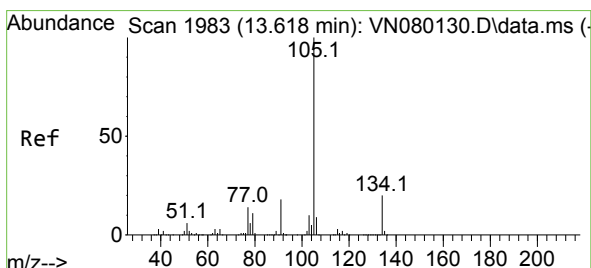
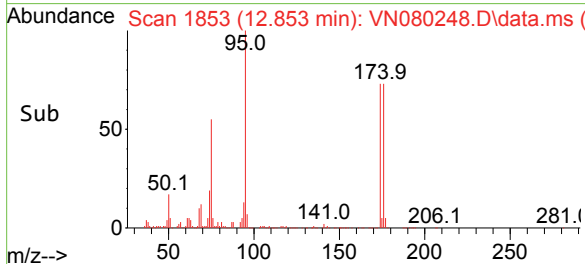
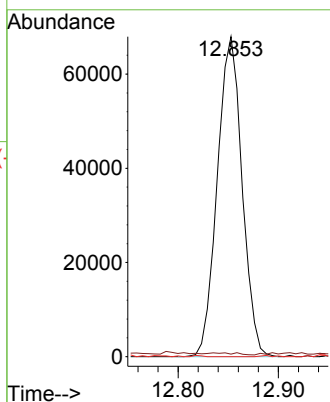
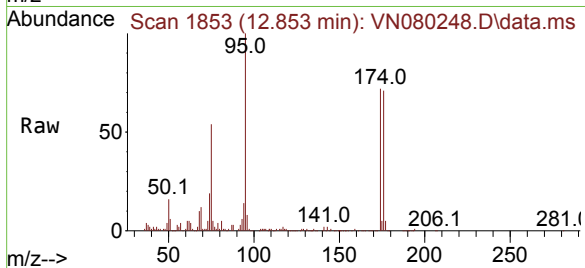




#81
trans-1,4-Dichloro-2-butene
Concen: 86.222 ug/l
RT: 12.853 min Scan# 116521
Delta R.T. 0.112 min
Lab File: VN080248.D
Acq: 22 Nov 2023 15:31

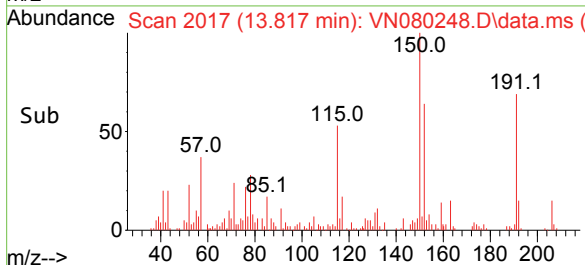
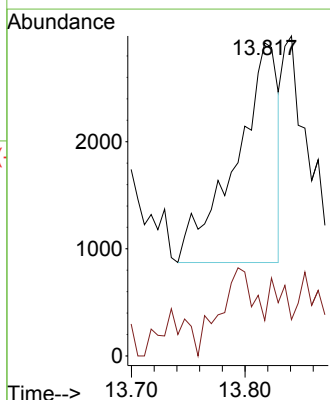
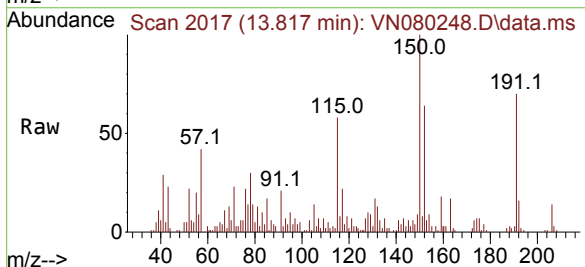
Instrument :
MSVOA_N
ClientSampleId :

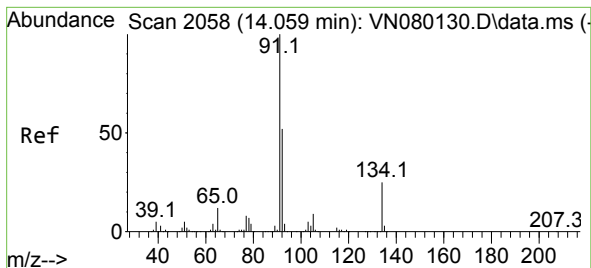
Tgt Ion: 75 Resp: 116521
Ion Ratio Lower Upper
75 100
53 0.7 67.4 101.2#
89 0.0 38.8 58.2#



#85
sec-Butylbenzene
Concen: 0.413 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. 0.200 min
Lab File: VN080248.D
Acq: 22 Nov 2023 15:31

Tgt Ion:105 Resp: 5279
Ion Ratio Lower Upper
105 100
134 10.1 9.8 29.3





#89

n-Butylbenzene

Concen: 0.266 ug/l

RT: 14.041 min Scan# 2055

Delta R.T. -0.018 min

Lab File: VN080248.D

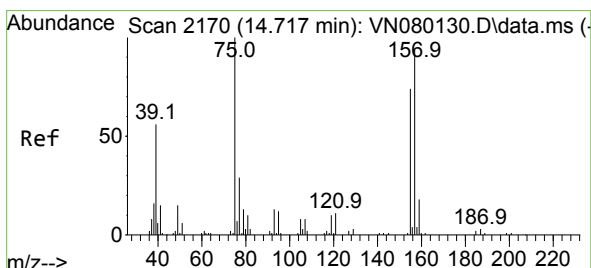
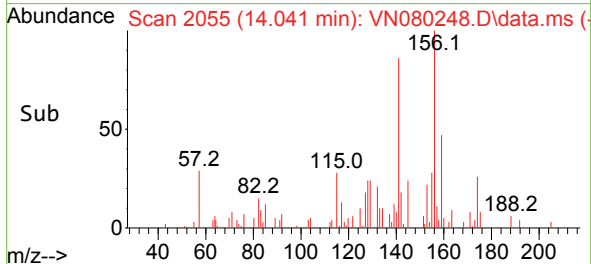
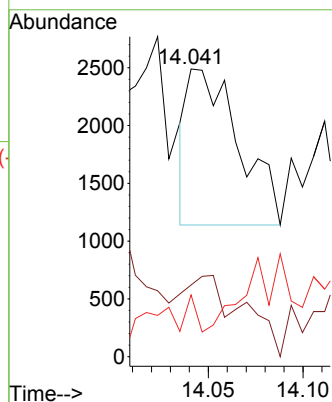
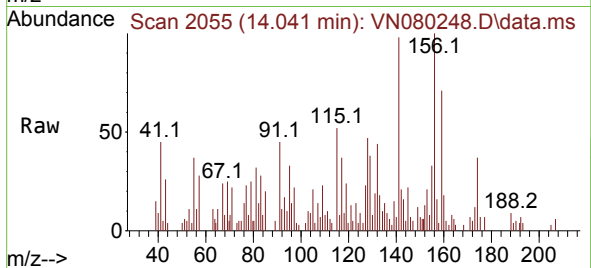
Acq: 22 Nov 2023 15:31

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	91	Resp:	2543
Ion Ratio	Lower	Upper	
91	100		
92	19.2	26.4	79.0#
134	0.0	12.6	37.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.845 ug/l

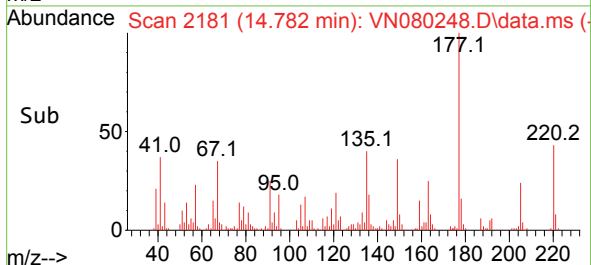
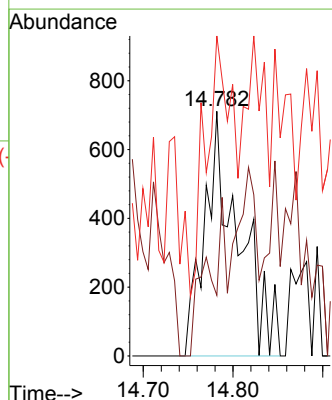
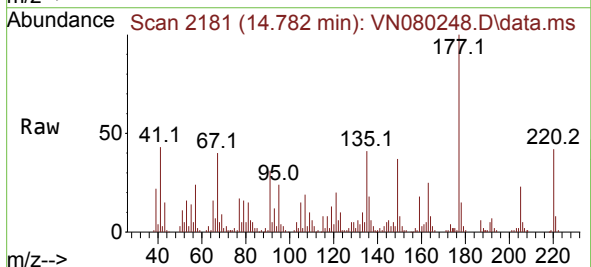
RT: 14.782 min Scan# 2181

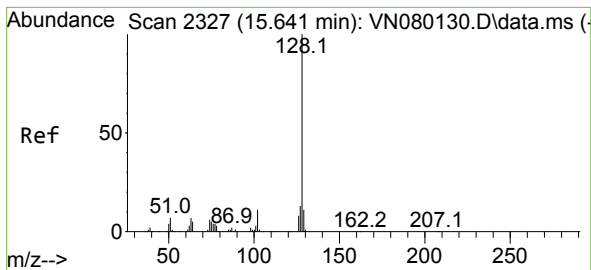
Delta R.T. 0.065 min

Lab File: VN080248.D

Acq: 22 Nov 2023 15:31

Tgt Ion:	75	Resp:	1857
Ion Ratio	Lower	Upper	
75	100		
155	5.5	39.1	117.2#
157	82.3	50.3	150.9





#95

Naphthalene

Concen: 0.731 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

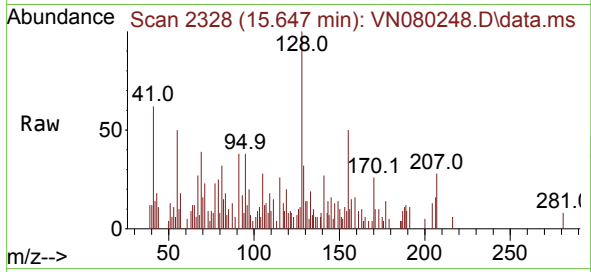
Lab File: VN080248.D

Acq: 22 Nov 2023 15:31

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 7760

Ion Ratio Lower Upper

128 100

127 9.0 10.0 15.0#

129 51.5 8.7 13.1#

