

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011323\
 Data File : VN076255.D
 Acq On : 13 Jan 2023 17:51
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 16 01:14:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

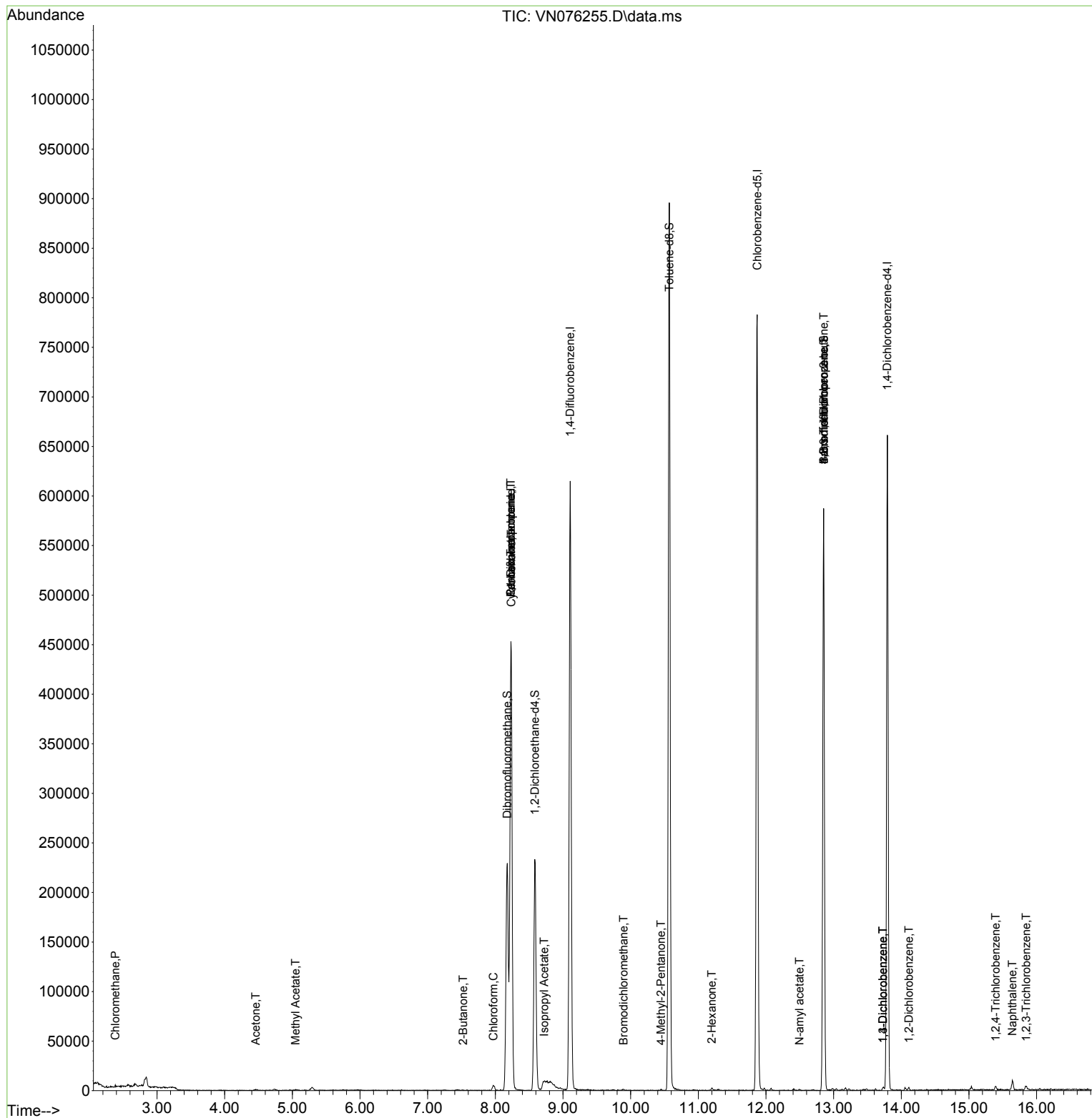
Internal Standards						
1) Pentafluorobenzene	8.230	168	353221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	560674	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	480720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	186587	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	190513	49.578	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.160%		
35) Dibromofluoromethane	8.177	113	167230	48.163	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.320%		
50) Toluene-d8	10.571	98	641394	49.406	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.820%		
62) 4-Bromofluorobenzene	12.853	95	191696	44.583	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.160%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.383	50	640	0.205	ug/l #	71
16) Acetone	4.459	43	1572	1.187	ug/l #	62
18) Methyl Acetate	5.047	43	938	0.240	ug/l #	83
25) 2-Butanone	7.524	43	522	0.281	ug/l #	40
30) Chloroform	7.971	83	5256	0.787	ug/l	98
31) Cyclohexane	8.235	56	6844	1.244	ug/l #	15
36) 1,1-Dichloropropene	8.230	75	26229	5.687	ug/l #	49
38) Carbon Tetrachloride	8.230	117	35004	6.781	ug/l #	16
43) Isopropyl Acetate	8.724	43	10166	1.663	ug/l #	50
47) Bromodichloromethane	9.894	83	1158	0.230	ug/l #	93
51) 4-Methyl-2-Pentanone	10.447	43	796	0.215	ug/l #	32
59) 2-Hexanone	11.200	43	1559	0.578	ug/l	81
71) Bromoform	12.853	173	1471	0.553	ug/l #	1
74) N-amyl acetate	12.494	43	804	0.203	ug/l #	48
76) 1,2,3-Trichloropropane	12.853	75	100426	26.701	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	100426	96.110	ug/l #	12
87) 1,3-Dichlorobenzene	13.729	146	1606	0.255	ug/l	68
88) 1,4-Dichlorobenzene	13.729	146	1606	0.249	ug/l	68
91) 1,2-Dichlorobenzene	14.112	146	1426	0.230	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	1569	0.510	ug/l	88
95) Naphthalene	15.641	128	9085	3.033	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	1713	0.596	ug/l	58

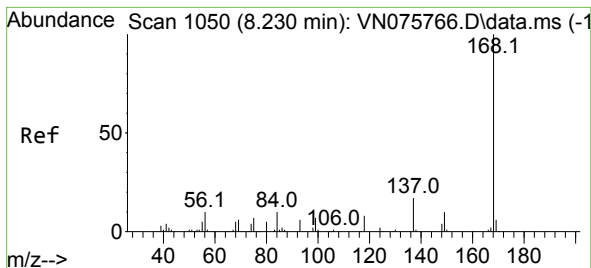
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 16 01:14:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN076255.D

Acq: 13 Jan 2023 17:51

Instrument :

MSVOA_N

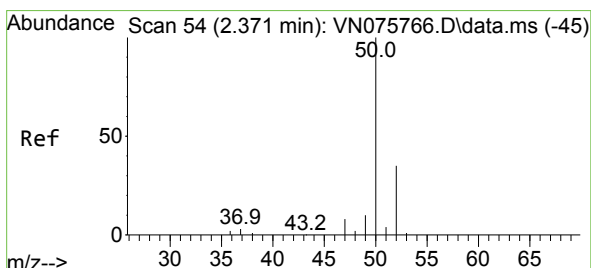
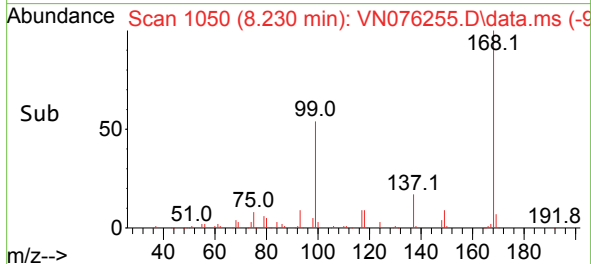
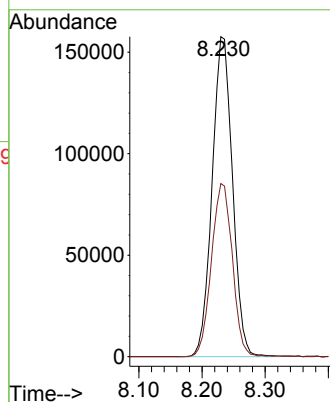
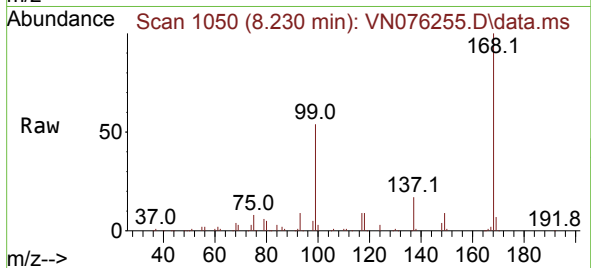
ClientSampleId :

Tgt Ion:168 Resp: 353221

Ion Ratio Lower Upper

168 100

99 54.1 44.2 66.4



#3

Chloromethane

Concen: 0.205 ug/l

RT: 2.383 min Scan# 56

Delta R.T. 0.012 min

Lab File: VN076255.D

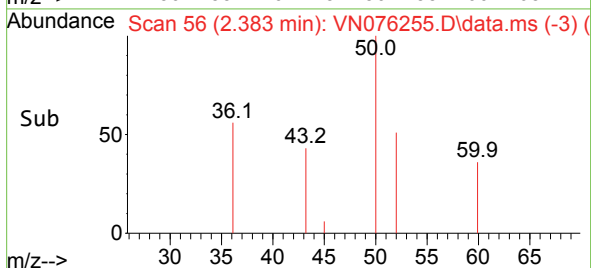
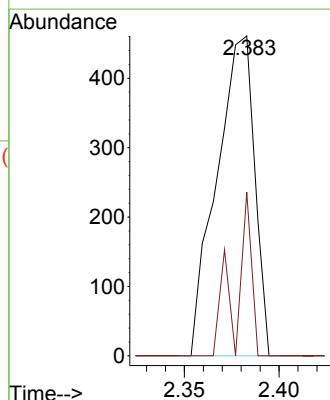
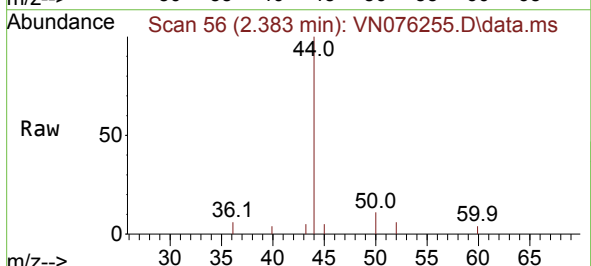
Acq: 13 Jan 2023 17:51

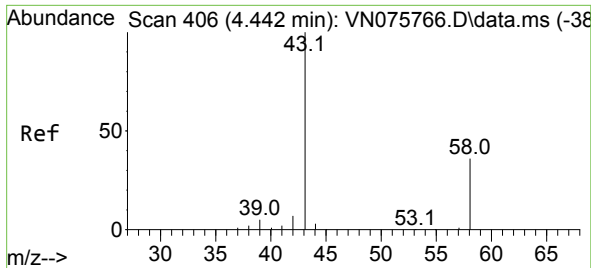
Tgt Ion: 50 Resp: 640

Ion Ratio Lower Upper

50 100

52 51.2 27.7 41.5#

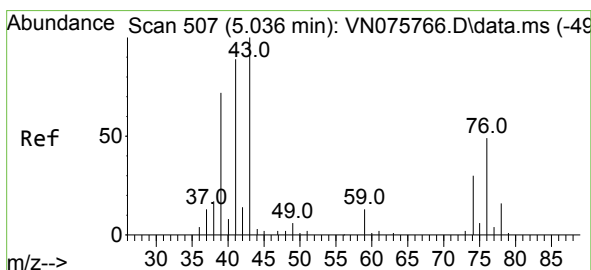
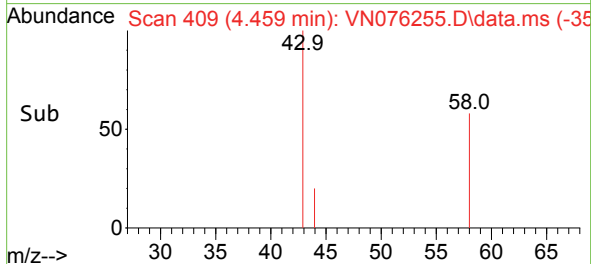
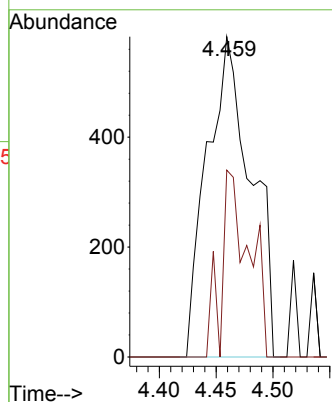
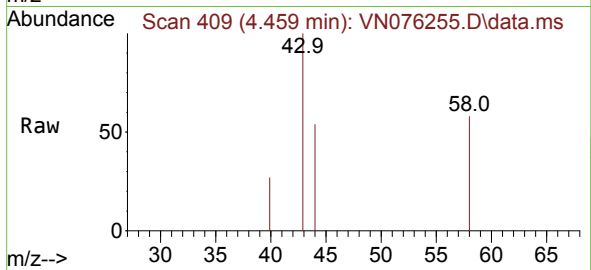




#16
Acetone
Concen: 1.187 ug/l
RT: 4.459 min Scan# 406
Delta R.T. 0.018 min
Lab File: VN076255.D
Acq: 13 Jan 2023 17:51

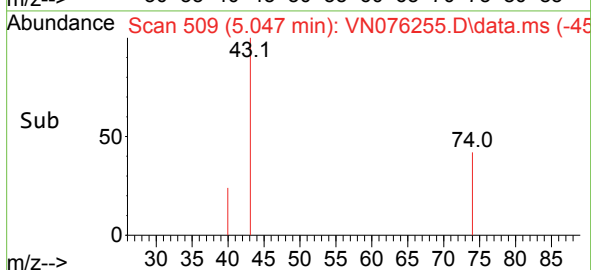
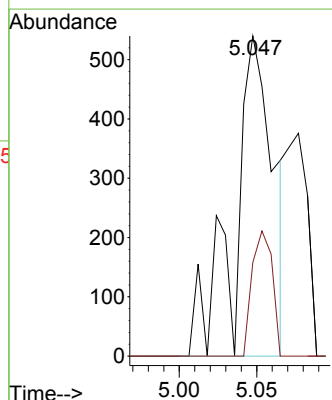
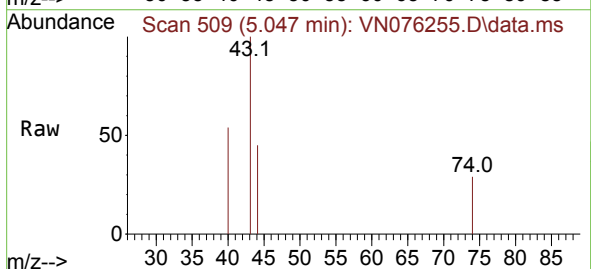
Instrument :
MSVOA_N
ClientSampleId :

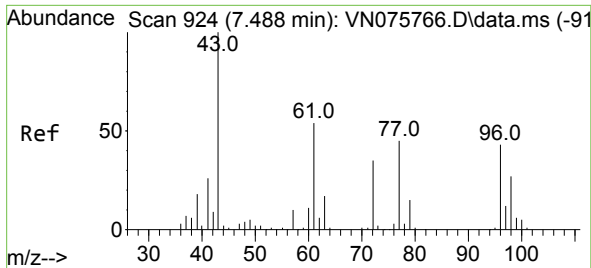
Tgt Ion: 43 Resp: 1572
Ion Ratio Lower Upper
43 100
58 58.3 28.6 43.0#



#18
Methyl Acetate
Concen: 0.240 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN076255.D
Acq: 13 Jan 2023 17:51

Tgt Ion: 43 Resp: 938
Ion Ratio Lower Upper
43 100
74 20.4 23.6 35.4#

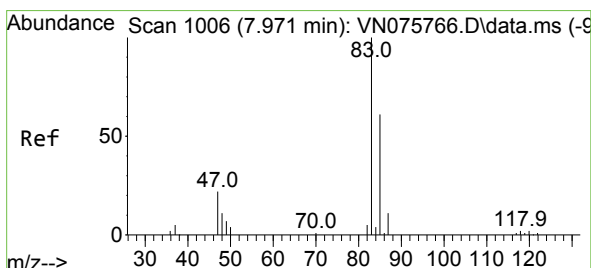
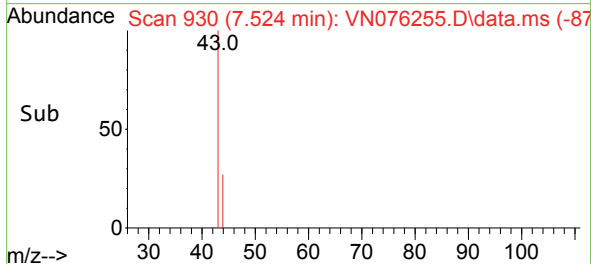
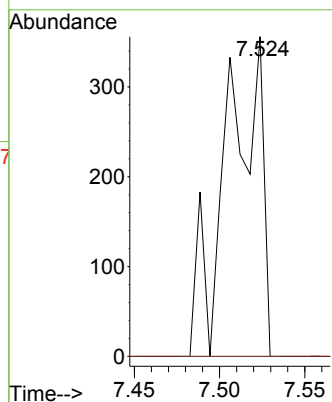
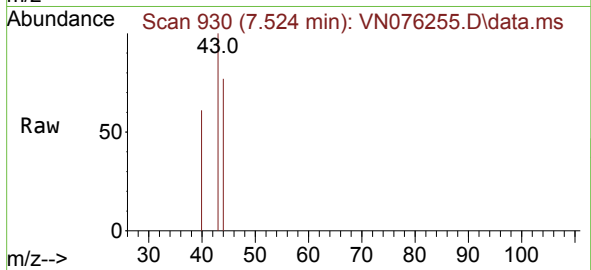




#25
2-Butanone
Concen: 0.281 ug/l
RT: 7.524 min Scan# 91
Delta R.T. 0.035 min
Lab File: VN076255.D
Acq: 13 Jan 2023 17:51

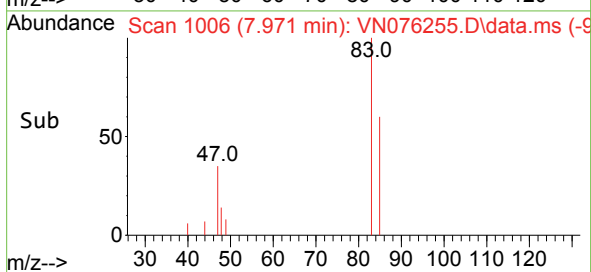
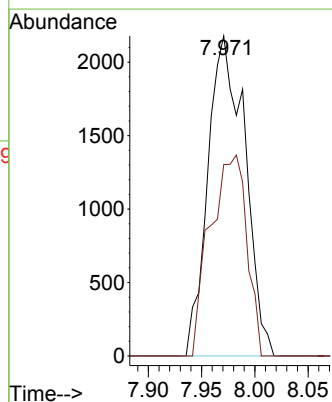
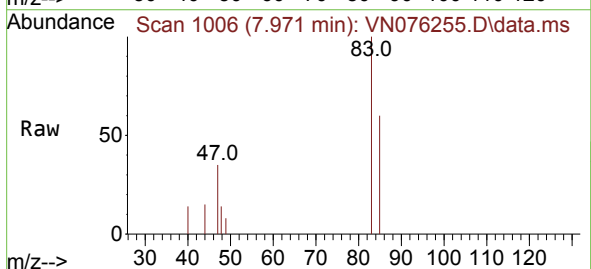
Instrument :
MSVOA_N
ClientSampleId :

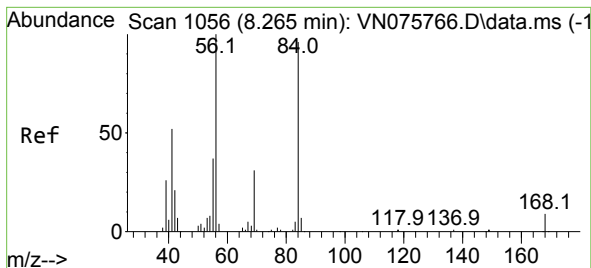
Tgt Ion: 43 Resp: 522
Ion Ratio Lower Upper
43 100
72 0.0 28.0 42.0#



#30
Chloroform
Concen: 0.787 ug/l
RT: 7.971 min Scan# 1006
Delta R.T. 0.000 min
Lab File: VN076255.D
Acq: 13 Jan 2023 17:51

Tgt Ion: 83 Resp: 5256
Ion Ratio Lower Upper
83 100
85 59.8 49.1 73.7





#31

Cyclohexane

Concen: 1.244 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.029 min

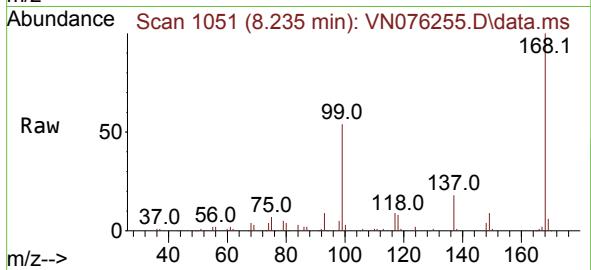
Lab File: VN076255.D

Acq: 13 Jan 2023 17:51

Instrument :

MSVOA_N

ClientSampleId :



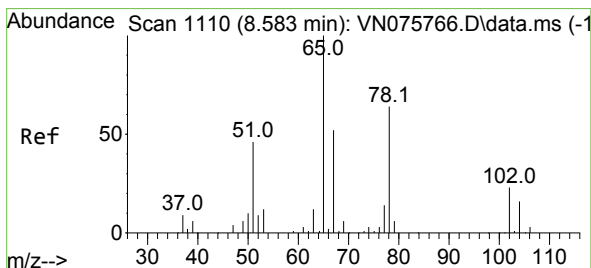
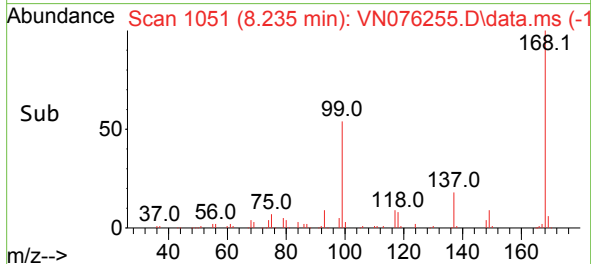
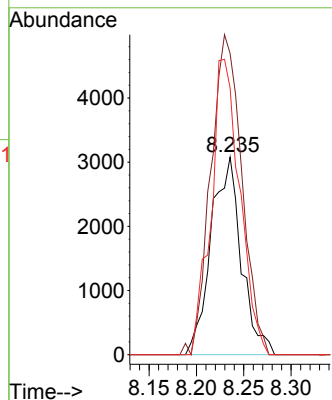
Tgt Ion: 56 Resp: 6844

Ion Ratio Lower Upper

56 100

69 152.4 24.7 37.1#

84 135.0 76.5 114.7#



#33

1,2-Dichloroethane-d4

Concen: 49.578 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076255.D

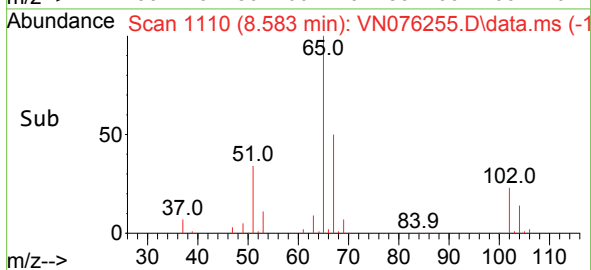
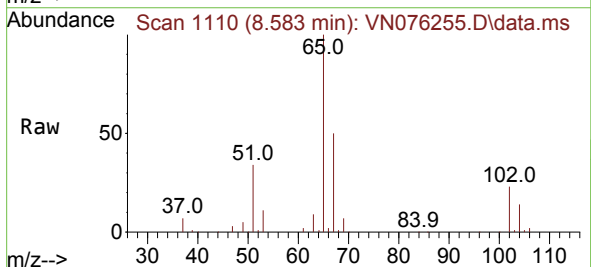
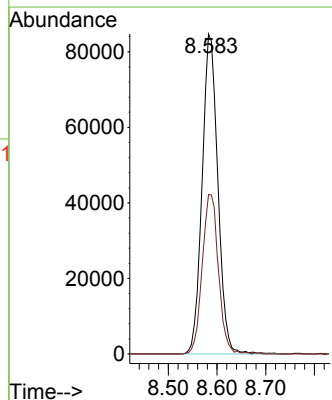
Acq: 13 Jan 2023 17:51

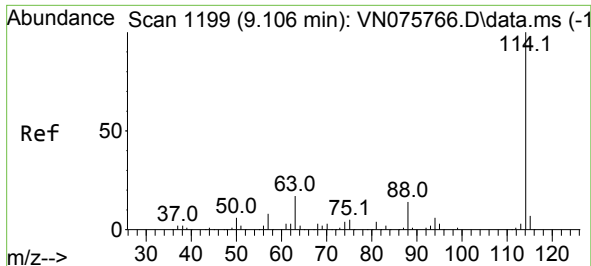
Tgt Ion: 65 Resp: 190513

Ion Ratio Lower Upper

65 100

67 51.2 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076255.D

Acq: 13 Jan 2023 17:51

Instrument :

MSVOA_N

ClientSampleId :

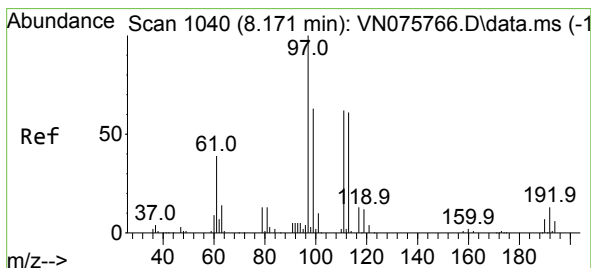
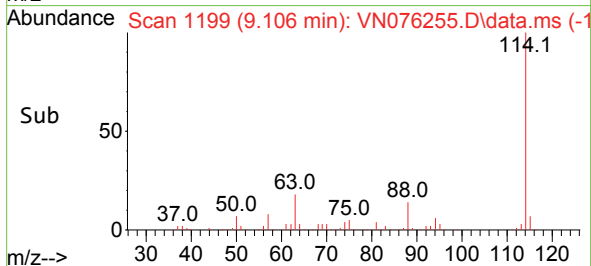
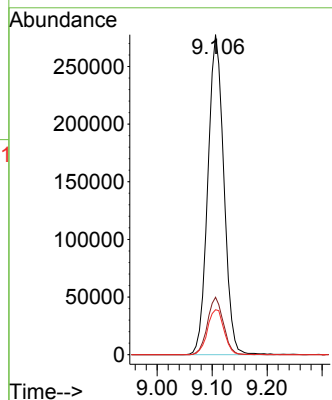
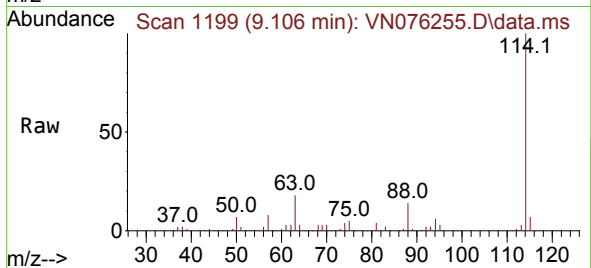
Tgt Ion:114 Resp: 560674

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.4

88 14.1 0.0 28.8



#35

Dibromofluoromethane

Concen: 48.163 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076255.D

Acq: 13 Jan 2023 17:51

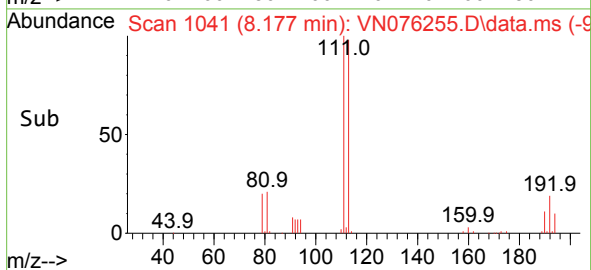
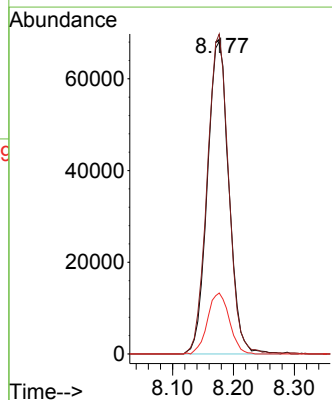
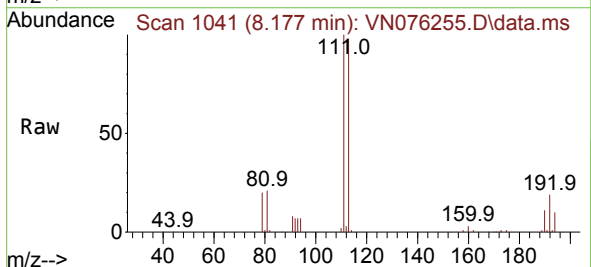
Tgt Ion:113 Resp: 167230

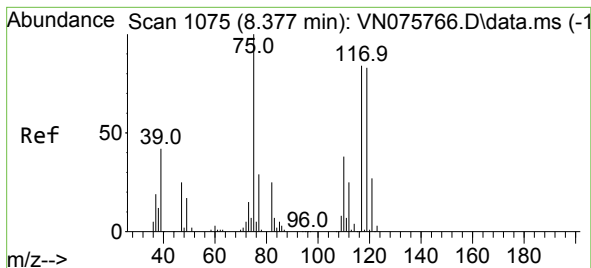
Ion Ratio Lower Upper

113 100

111 102.1 83.4 125.2

192 19.7 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.687 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076255.D

Acq: 13 Jan 2023 17:51

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ClientSampleId :

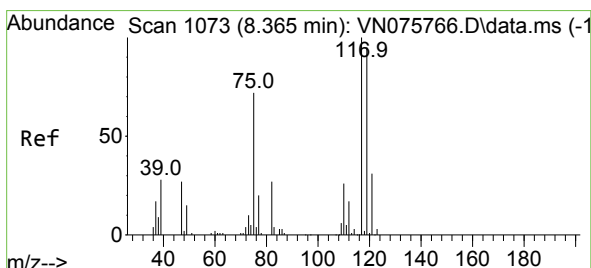
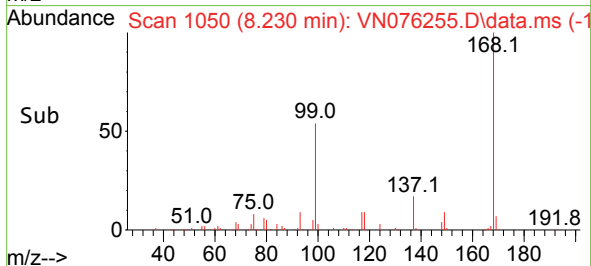
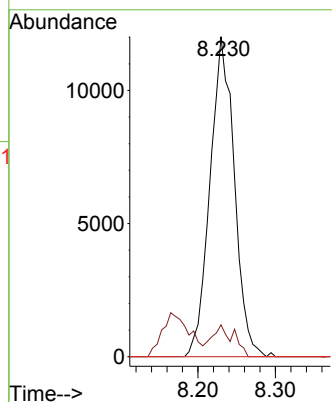
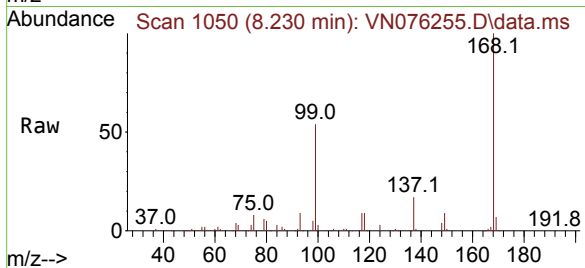
Tgt Ion: 75 Resp: 26229

Ion Ratio Lower Upper

75 100

110 8.9 18.8 56.4#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.781 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN076255.D

Acq: 13 Jan 2023 17:51

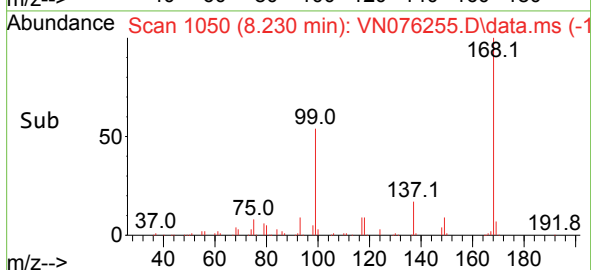
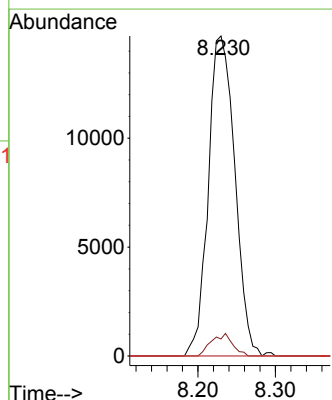
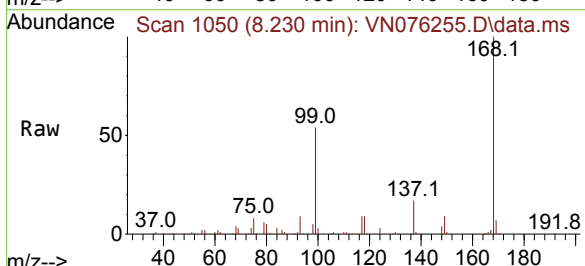
Tgt Ion: 117 Resp: 35004

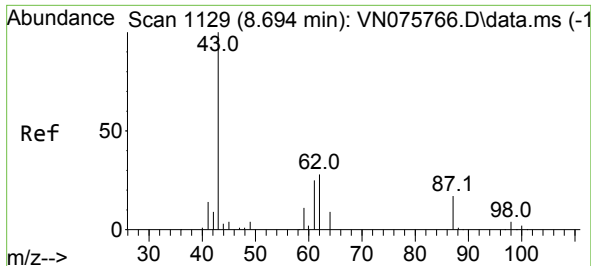
Ion Ratio Lower Upper

117 100

119 5.3 76.1 114.1#

121 0.0 24.5 36.7#

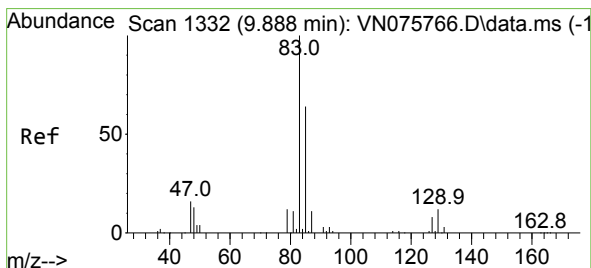
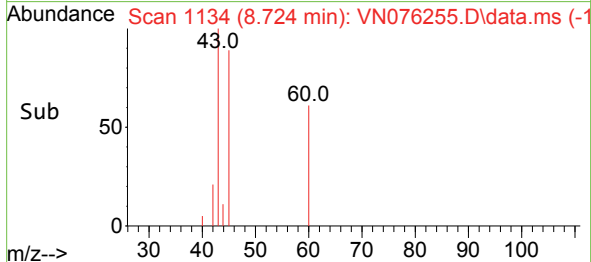
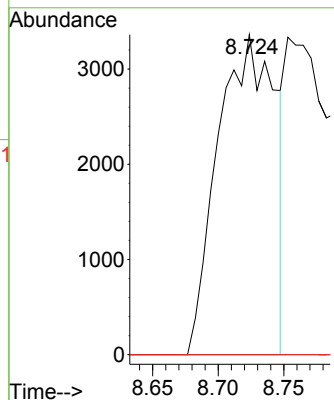
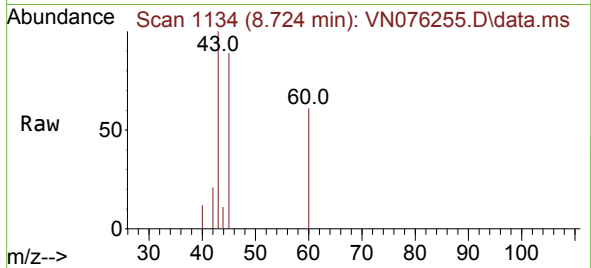




#43
Isopropyl Acetate
Concen: 1.663 ug/l
RT: 8.724 min Scan# 1129
Delta R.T. 0.029 min
Lab File: VN076255.D
Acq: 13 Jan 2023 17:51

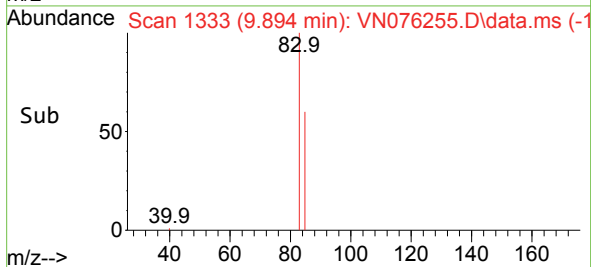
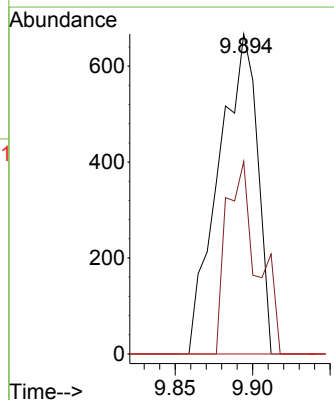
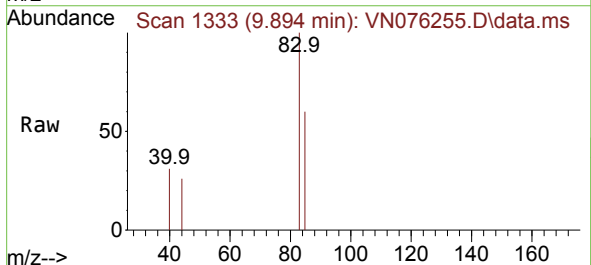
Instrument :
MSVOA_N
ClientSampleId :

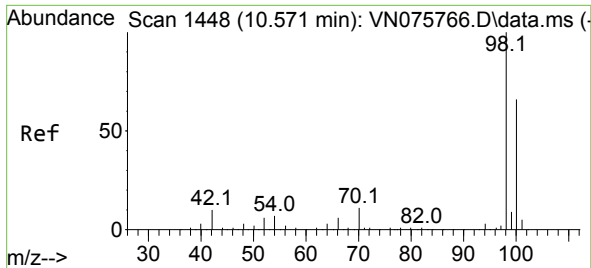
Tgt Ion: 43 Resp: 10166
Ion Ratio Lower Upper
43 100
61 0.0 24.2 36.4#
87 0.0 13.3 19.9#



#47
Bromodichloromethane
Concen: 0.230 ug/l
RT: 9.894 min Scan# 1333
Delta R.T. 0.006 min
Lab File: VN076255.D
Acq: 13 Jan 2023 17:51

Tgt Ion: 83 Resp: 1158
Ion Ratio Lower Upper
83 100
85 60.1 51.5 77.3
127 0.0 6.6 10.0#

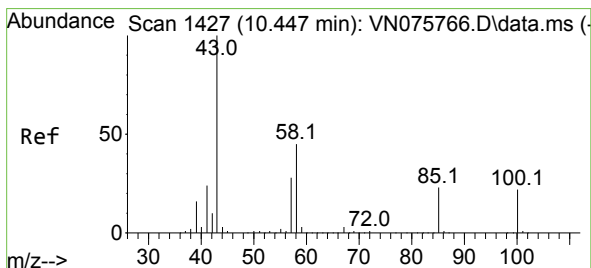
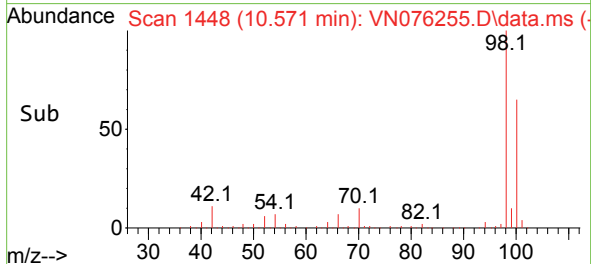
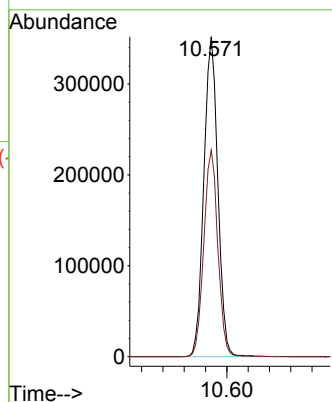
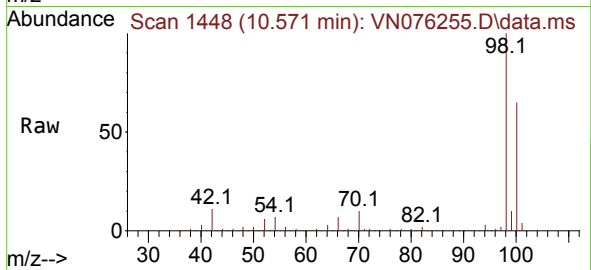




#50
Toluene-d8
Concen: 49.406 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076255.D
Acq: 13 Jan 2023 17:51

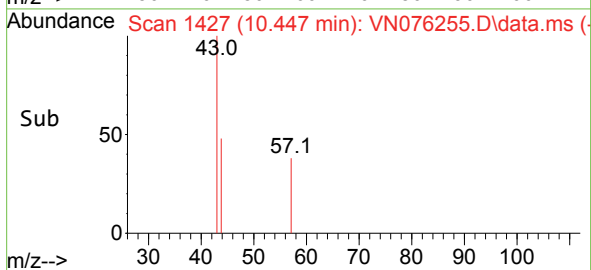
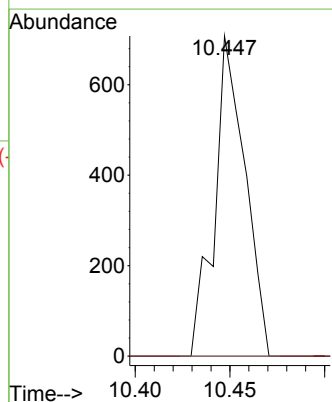
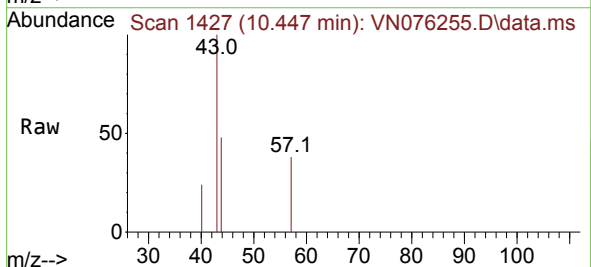
Instrument :
MSVOA_N
ClientSampleId :

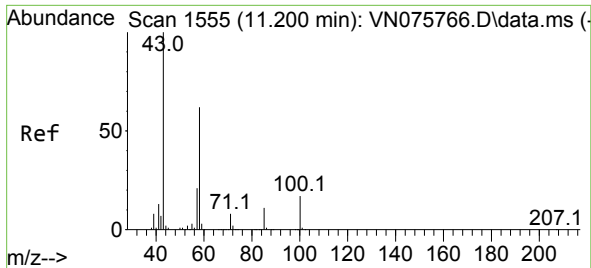
Tgt Ion: 98 Resp: 641394
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.215 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076255.D
Acq: 13 Jan 2023 17:51

Tgt Ion: 43 Resp: 796
Ion Ratio Lower Upper
43 100
58 0.0 35.5 53.3#

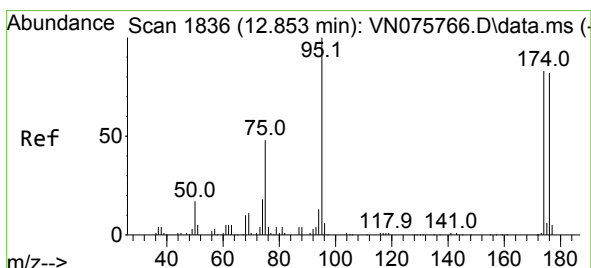
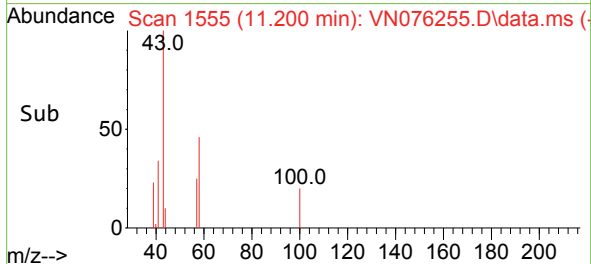
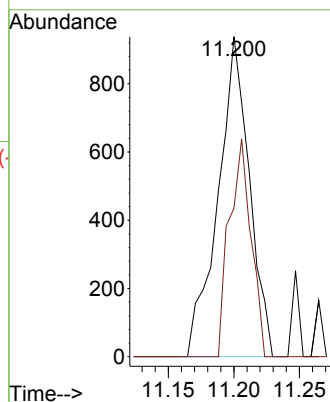
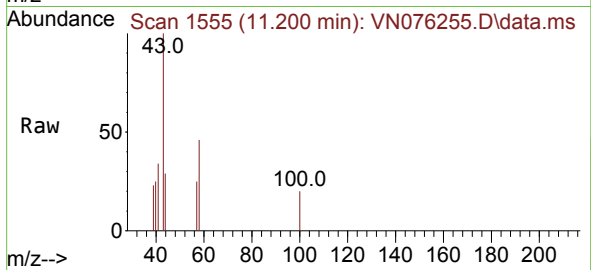




#59
2-Hexanone
Concen: 0.578 ug/l
RT: 11.200 min Scan# 11559
Delta R.T. 0.000 min
Lab File: VN076255.D
Acq: 13 Jan 2023 17:51

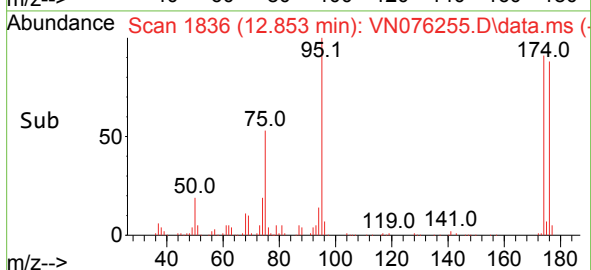
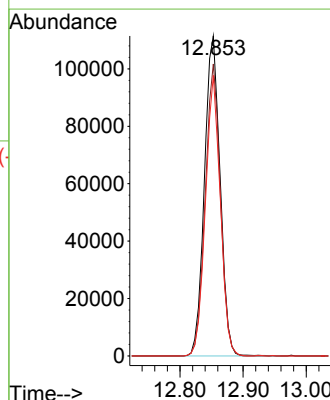
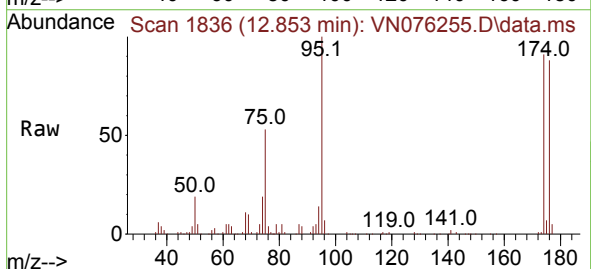
Instrument :
MSVOA_N
ClientSampleId :

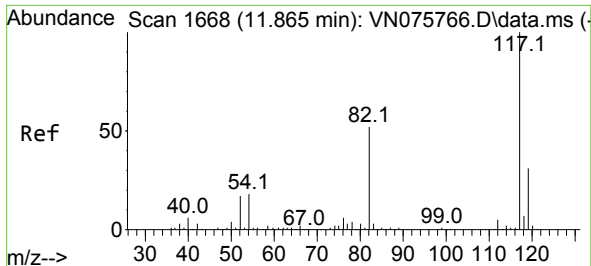
Tgt Ion: 43 Resp: 1559
Ion Ratio Lower Upper
43 100
58 46.9 30.6 92.0



#62
4-Bromofluorobenzene
Concen: 44.583 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076255.D
Acq: 13 Jan 2023 17:51

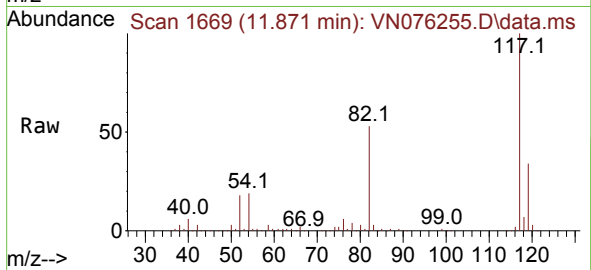
Tgt Ion: 95 Resp: 191696
Ion Ratio Lower Upper
95 100
174 88.3 0.0 171.6
176 83.2 0.0 169.2



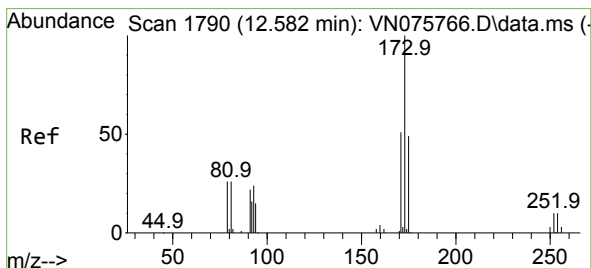
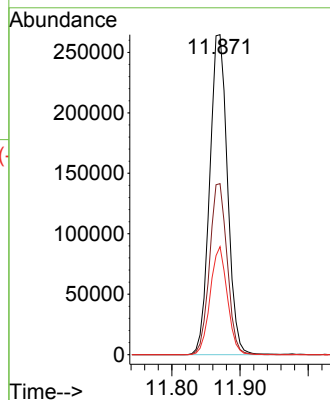
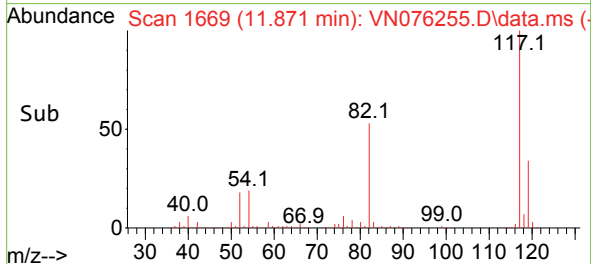


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076255.D
Acq: 13 Jan 2023 17:51

Instrument :
MSVOA_N
ClientSampleId :

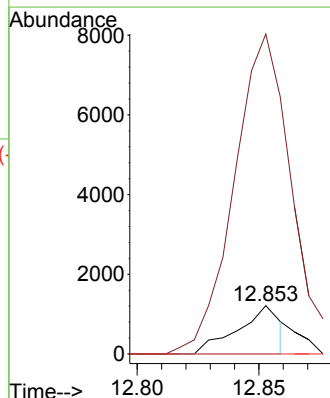
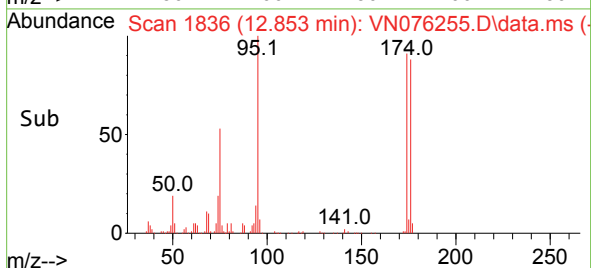
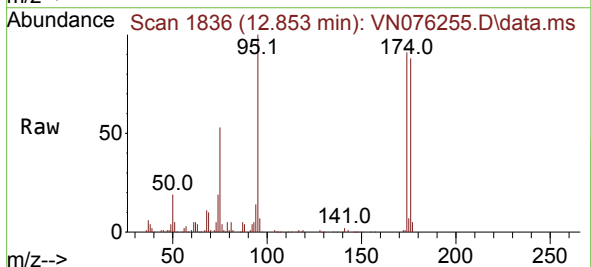


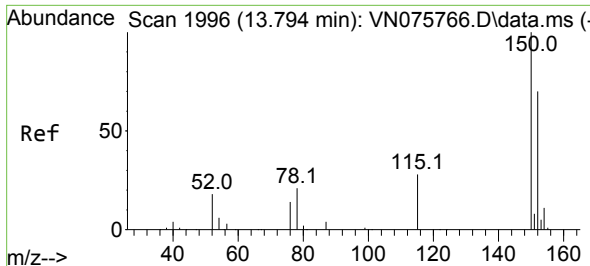
Tgt Ion:117 Resp: 480720
Ion Ratio Lower Upper
117 100
82 53.4 41.3 61.9
119 33.7 24.6 37.0



#71
Bromoform
Concen: 0.553 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076255.D
Acq: 13 Jan 2023 17:51

Tgt Ion:173 Resp: 1471
Ion Ratio Lower Upper
173 100
175 734.9 24.3 72.8#
254 0.0 0.0 0.0

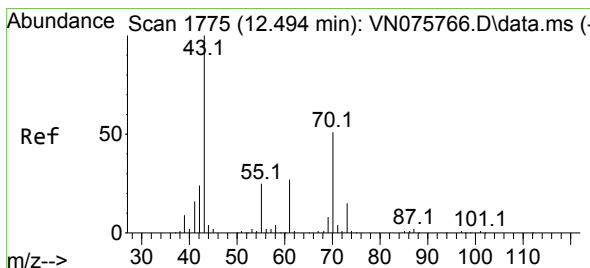
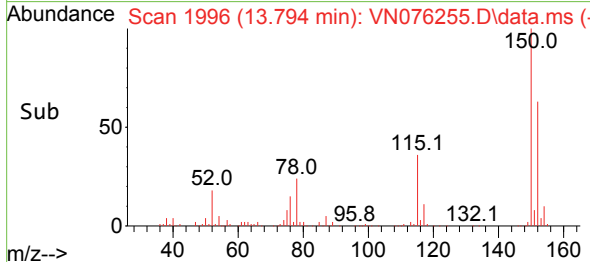
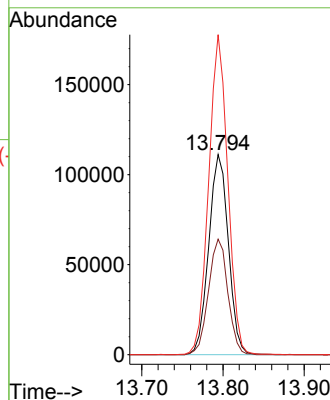
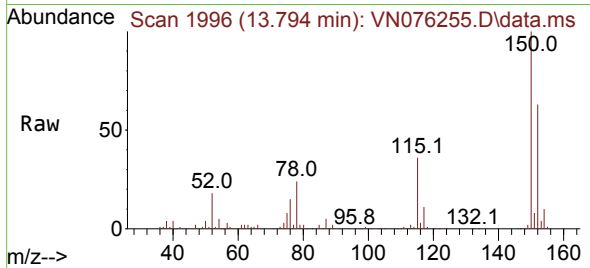




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076255.D
Acq: 13 Jan 2023 17:51

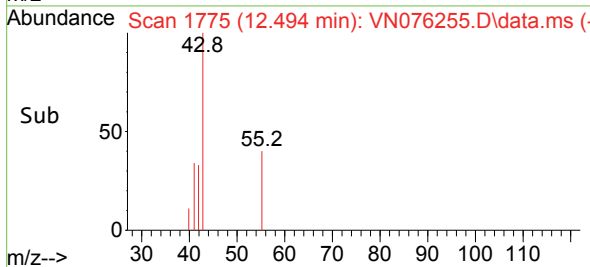
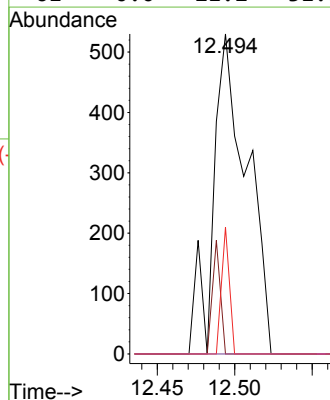
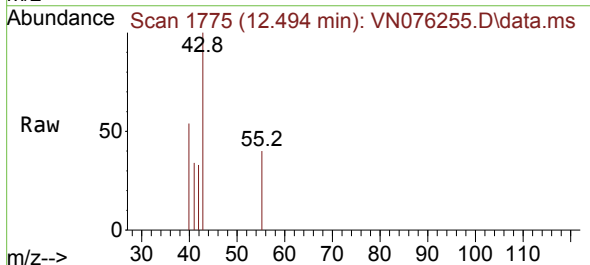
Instrument :
MSVOA_N
ClientSampleId :

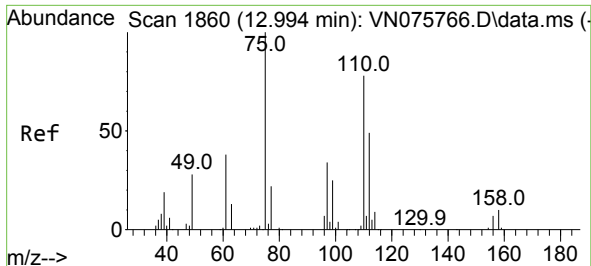
Tgt Ion:152 Resp: 186587
Ion Ratio Lower Upper
152 100
115 56.9 29.1 87.4
150 155.6 0.0 347.0



#74
N-ethyl acetate
Concen: 0.203 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN076255.D
Acq: 13 Jan 2023 17:51

Tgt Ion: 43 Resp: 804
Ion Ratio Lower Upper
43 100
70 8.2 41.4 62.0#
55 9.2 21.3 31.9#
61 0.0 21.2 31.8#

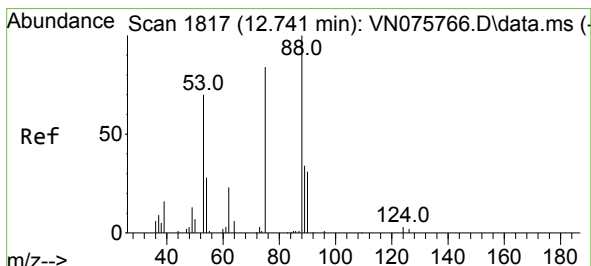
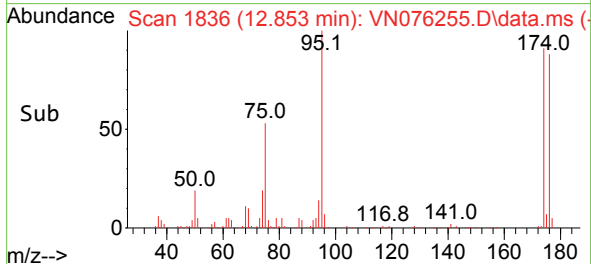
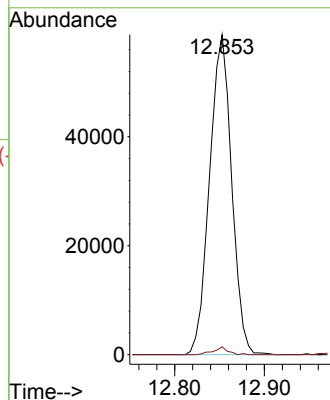
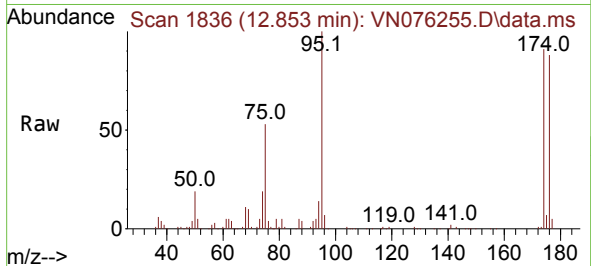




#76
1,2,3-Trichloropropane
Concen: 26.701 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076255.D
Acq: 13 Jan 2023 17:51

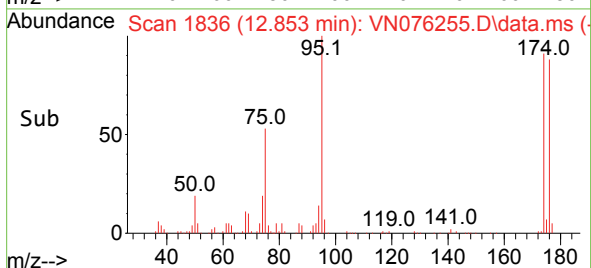
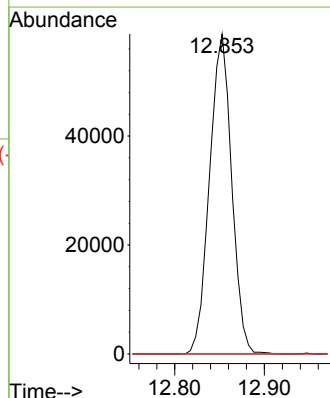
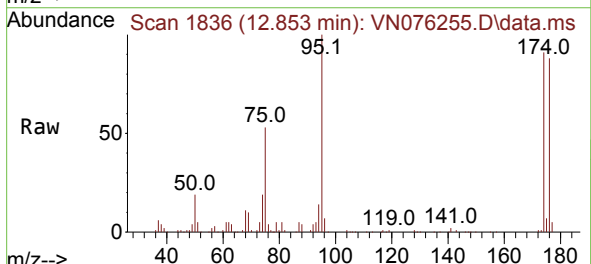
Instrument :
MSVOA_N
ClientSampleId :

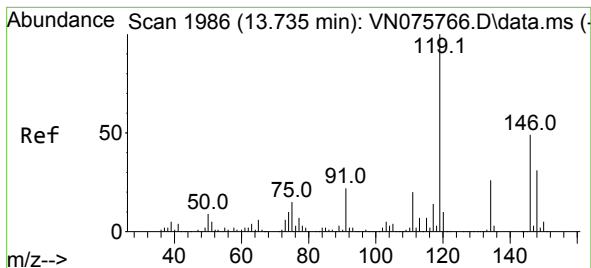
Tgt Ion: 75 Resp: 100426
Ion Ratio Lower Upper
75 100
77 1.6 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.110 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076255.D
Acq: 13 Jan 2023 17:51

Tgt Ion: 75 Resp: 100426
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#





#87

1,3-Dichlorobenzene

Concen: 0.255 ug/l

RT: 13.729 min Scan# 1985

Delta R.T. -0.006 min

Lab File: VN076255.D

Acq: 13 Jan 2023 17:51

Instrument :

MSVOA_N

ClientSampleId :

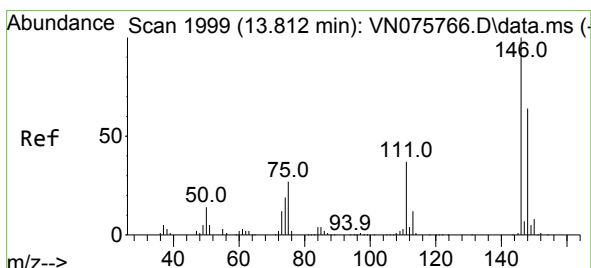
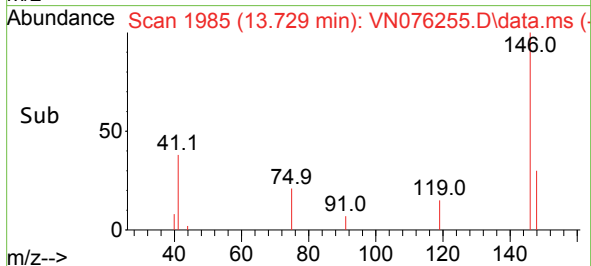
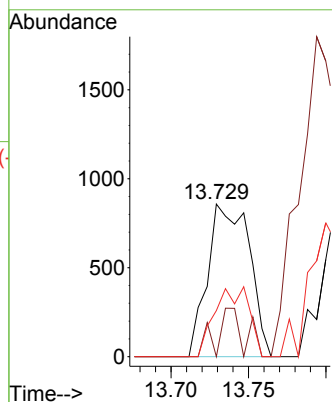
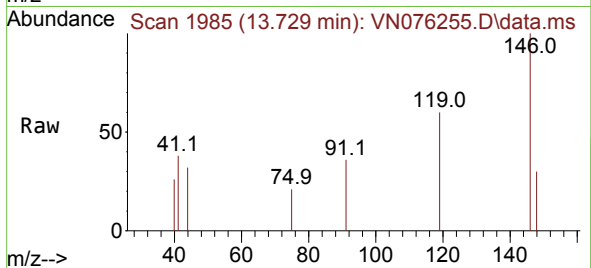
Tgt Ion:146 Resp: 1606

Ion Ratio Lower Upper

146 100

111 21.1 19.7 59.0

148 37.4 31.4 94.2



#88

1,4-Dichlorobenzene

Concen: 0.249 ug/l

RT: 13.729 min Scan# 1985

Delta R.T. -0.082 min

Lab File: VN076255.D

Acq: 13 Jan 2023 17:51

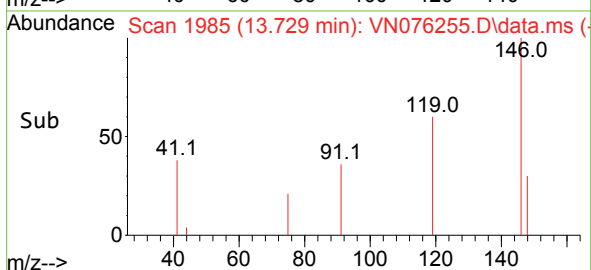
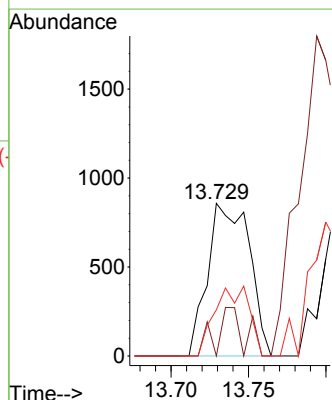
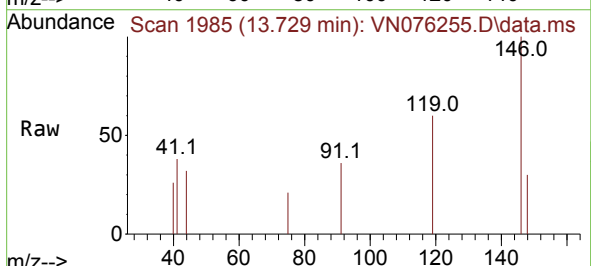
Tgt Ion:146 Resp: 1606

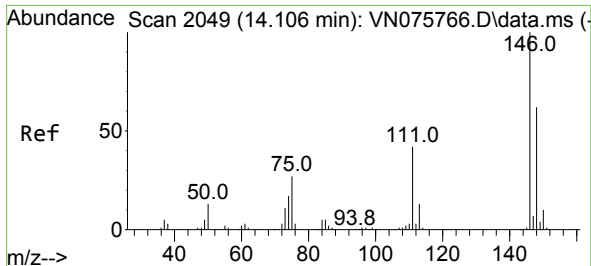
Ion Ratio Lower Upper

146 100

111 21.1 19.1 57.1

148 37.4 32.0 96.2





#91

1,2-Dichlorobenzene

Concen: 0.230 ug/l

RT: 14.112 min Scan# 2049

Delta R.T. 0.006 min

Lab File: VN076255.D

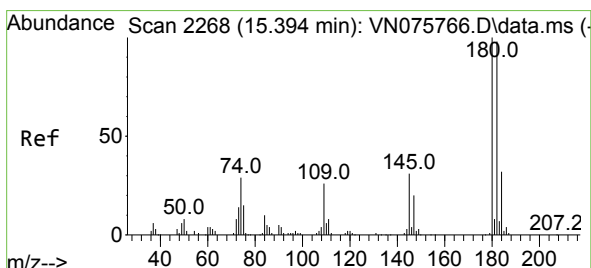
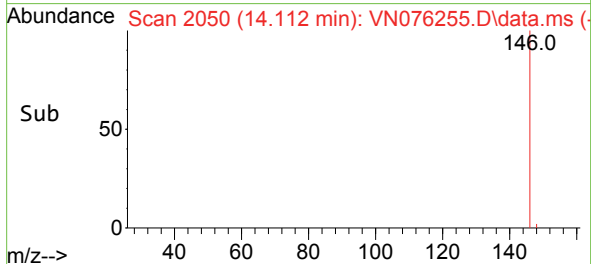
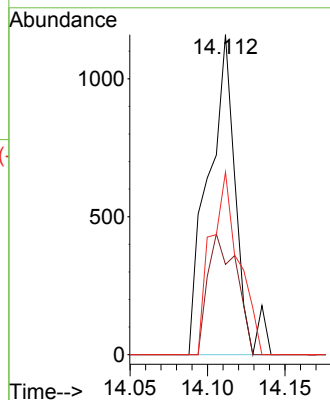
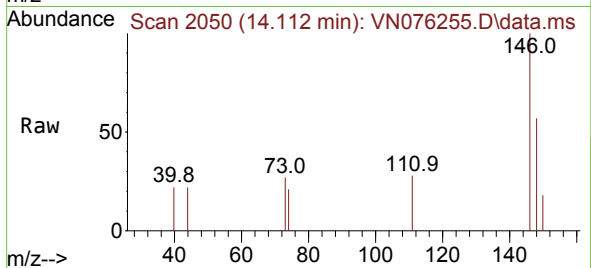
Acq: 13 Jan 2023 17:51

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:146	Resp:	1426
Ion Ratio	Lower	Upper
146	100	
111	39.2	20.3 61.0
148	58.3	31.7 95.1



#93

1,2,4-Trichlorobenzene

Concen: 0.510 ug/l

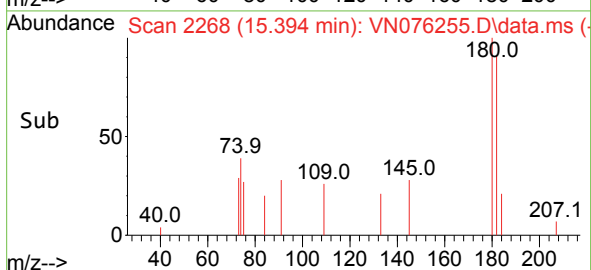
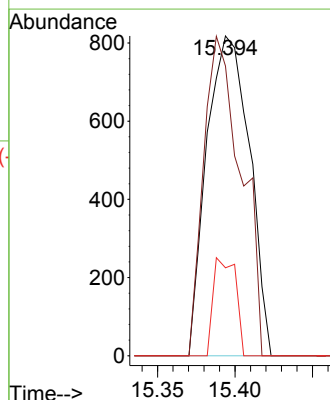
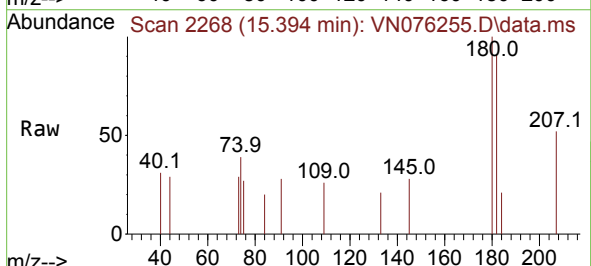
RT: 15.394 min Scan# 2268

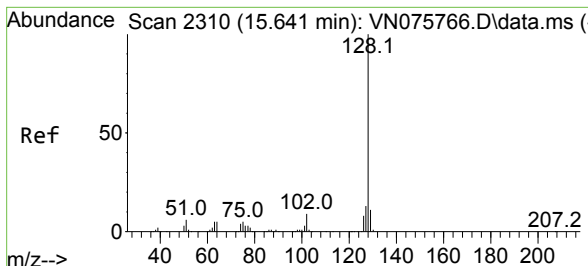
Delta R.T. 0.000 min

Lab File: VN076255.D

Acq: 13 Jan 2023 17:51

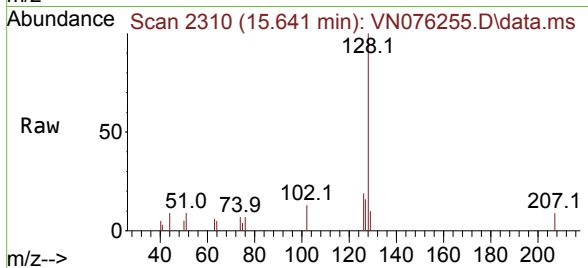
Tgt Ion:180	Resp:	1569
Ion Ratio	Lower	Upper
180	100	
182	87.4	47.5 142.5
145	16.0	15.3 45.8



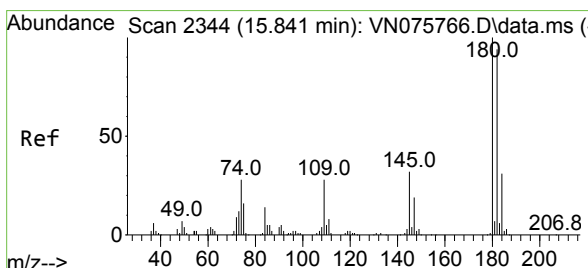
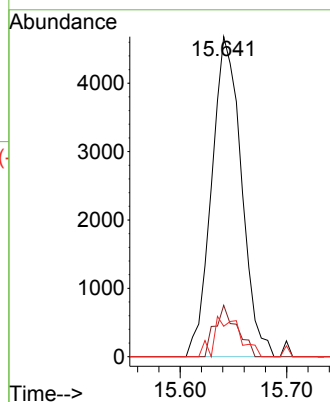
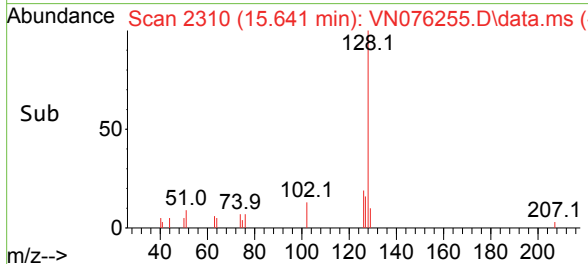


#95
Naphthalene
Concen: 3.033 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN076255.D
Acq: 13 Jan 2023 17:51

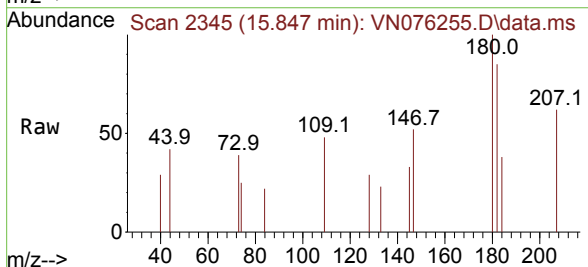
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 9085
Ion Ratio Lower Upper
128 100
127 12.0 10.4 15.6
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.596 ug/l
RT: 15.847 min Scan# 2345
Delta R.T. 0.006 min
Lab File: VN076255.D
Acq: 13 Jan 2023 17:51



Tgt Ion:180 Resp: 1713
Ion Ratio Lower Upper
180 100
182 47.1 47.0 141.0
145 45.4 16.0 47.9

