

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011123\
 Data File : VN076213.D
 Acq On : 11 Jan 2023 16:43
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jan 12 00:38:45 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)

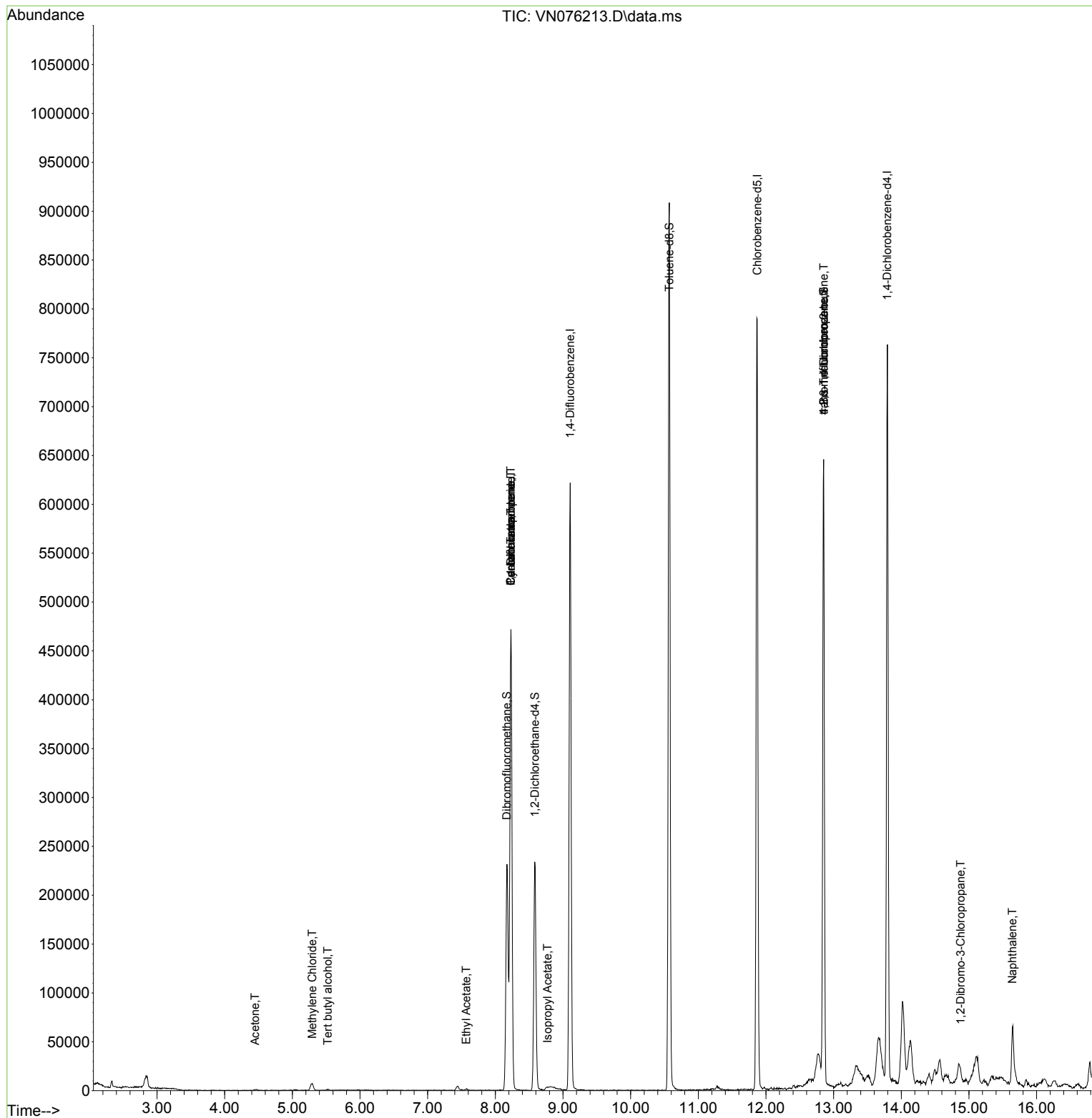
Internal Standards						
1) Pentafluorobenzene	8.229	168	367905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	575642	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	495160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	219883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	189126	47.252	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.500%		
35) Dibromofluoromethane	8.171	113	166097	46.593	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.180%		
50) Toluene-d8	10.570	98	658622	49.414	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.820%		
62) 4-Bromofluorobenzene	12.853	95	212642	48.168	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.340%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.524	59	691	1.220	ug/l #	72
16) Acetone	4.447	43	1998	1.448	ug/l #	39
20) Methylene Chloride	5.294	84	6124	1.032	ug/l	88
31) Cyclohexane	8.229	56	6910	1.205	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	25486	5.382	ug/l #	49
37) Ethyl Acetate	7.571	43	2410	0.634	ug/l #	77
38) Carbon Tetrachloride	8.229	117	36296	6.848	ug/l #	15
43) Isopropyl Acetate	8.771	43	2854	0.455	ug/l #	50
76) 1,2,3-Trichloropropane	12.853	75	107676	24.293	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	107676	87.444	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.876	75	346	0.397	ug/l #	52
95) Naphthalene	15.641	128	48337	6.041	ug/l #	92

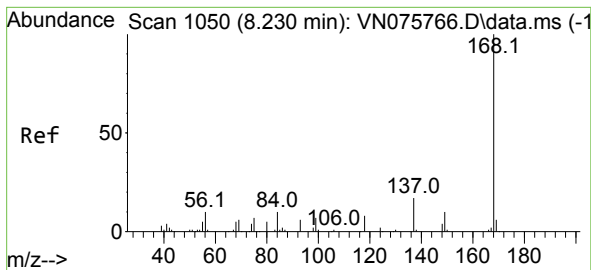
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN076213.D

Acq: 11 Jan 2023 16:43

Instrument :

MSVOA_N

ClientSampleId :

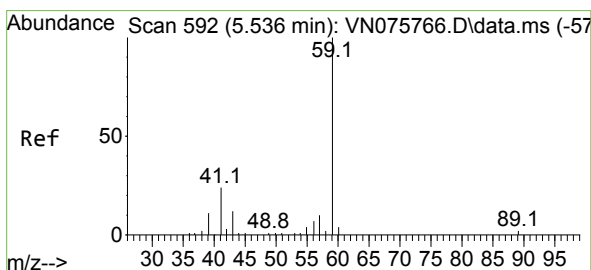
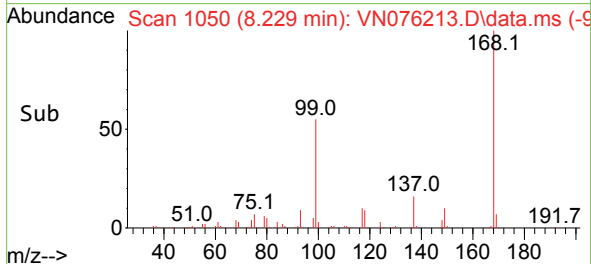
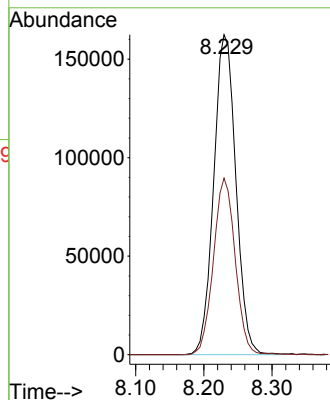
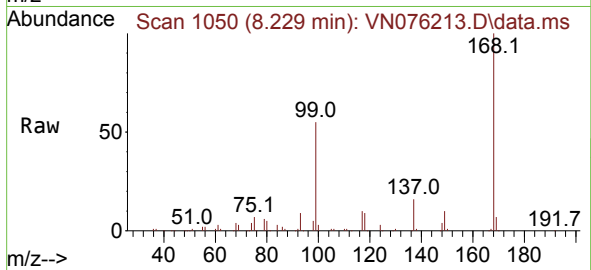
IBLK

Tgt Ion:168 Resp: 367905

Ion Ratio Lower Upper

168 100

99 55.1 44.2 66.4



#11

Tert butyl alcohol

Concen: 1.220 ug/l

RT: 5.524 min Scan# 590

Delta R.T. -0.012 min

Lab File: VN076213.D

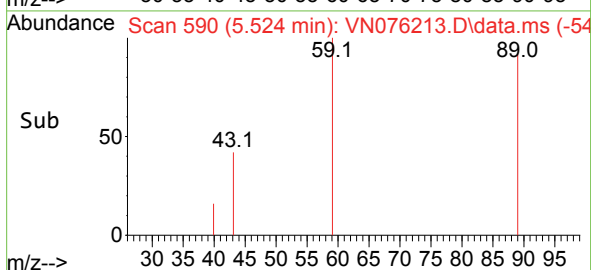
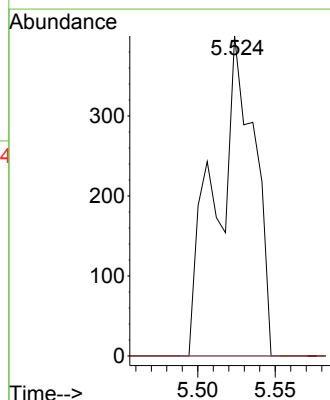
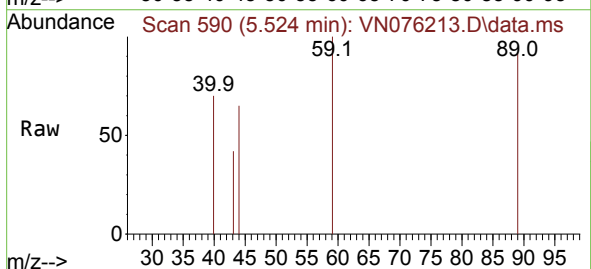
Acq: 11 Jan 2023 16:43

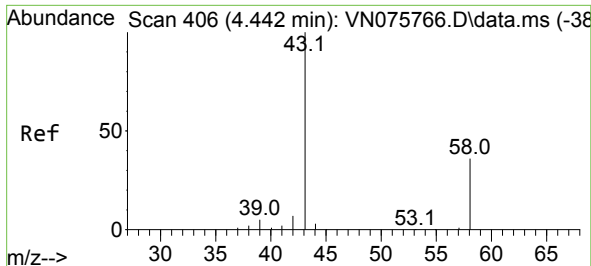
Tgt Ion: 59 Resp: 691

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

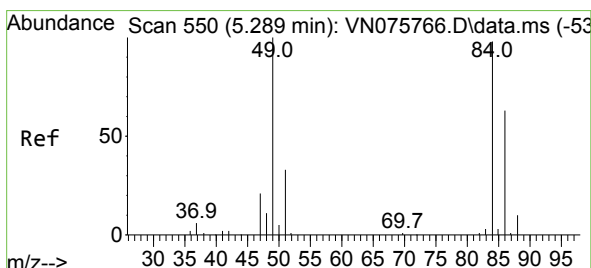
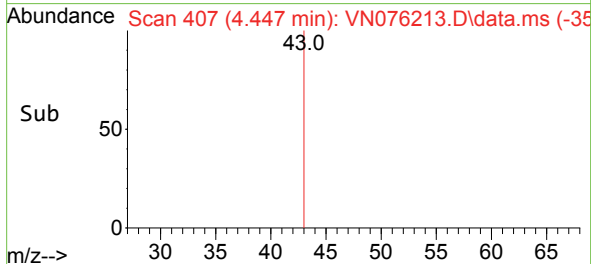
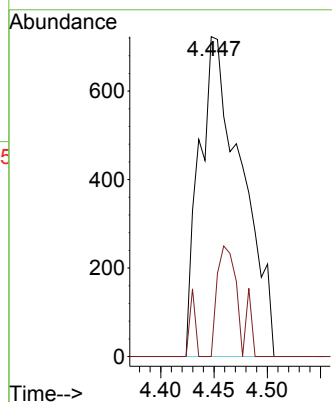
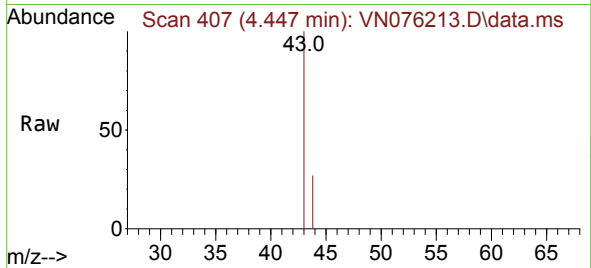




#16
Acetone
Concen: 1.448 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN076213.D
Acq: 11 Jan 2023 16:43

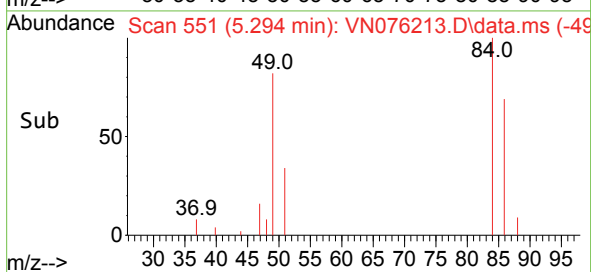
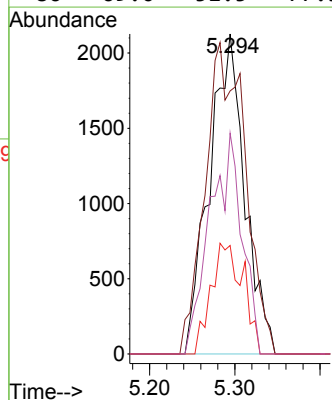
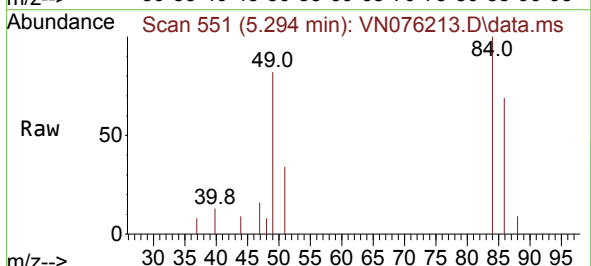
Instrument :
MSVOA_N
ClientSampleId :
IBLK

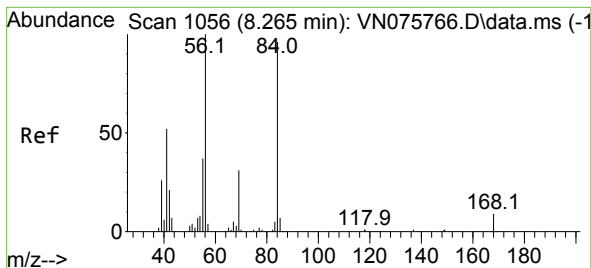
Tgt Ion: 43 Resp: 1998
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#20
Methylene Chloride
Concen: 1.032 ug/l
RT: 5.294 min Scan# 551
Delta R.T. 0.005 min
Lab File: VN076213.D
Acq: 11 Jan 2023 16:43

Tgt Ion: 84 Resp: 6124
Ion Ratio Lower Upper
84 100
49 82.2 81.8 122.6
51 33.9 26.7 40.1
86 69.0 51.5 77.3





#31

Cyclohexane

Concen: 1.205 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN076213.D

Acq: 11 Jan 2023 16:43

Instrument :

MSVOA_N

ClientSampleId :

IBLK

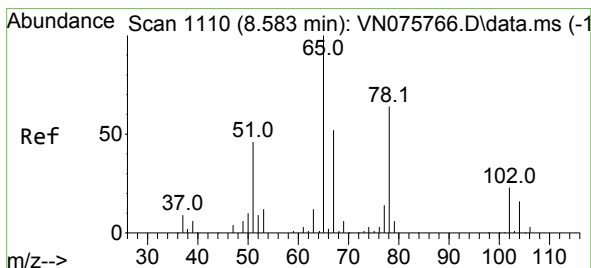
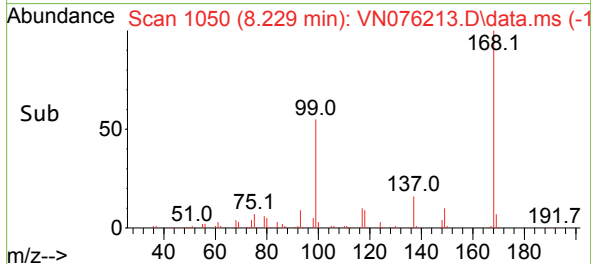
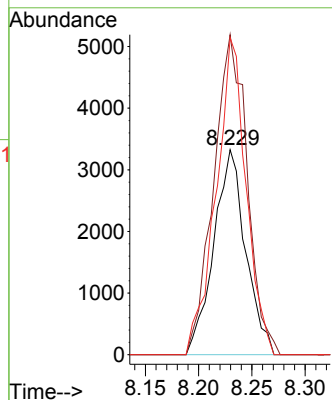
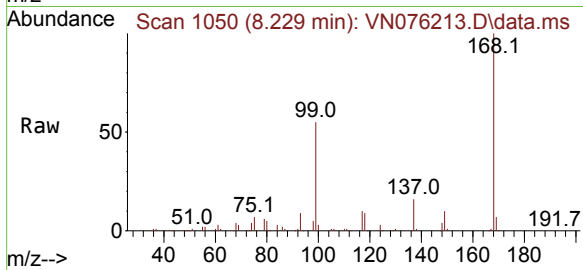
Tgt Ion: 56 Resp: 6910

Ion Ratio Lower Upper

56 100

69 156.2 24.7 37.1#

84 154.7 76.5 114.7#



#33

1,2-Dichloroethane-d4

Concen: 47.252 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN076213.D

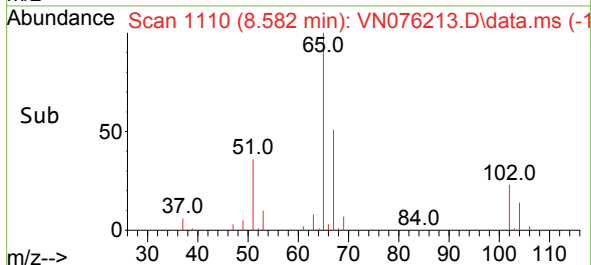
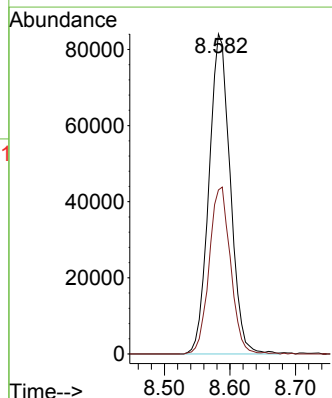
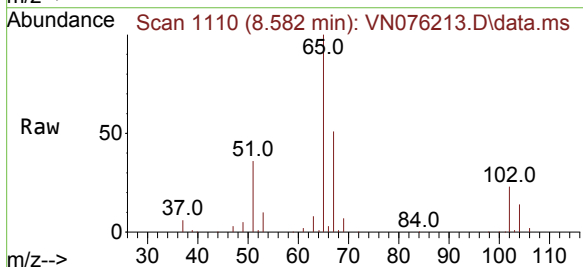
Acq: 11 Jan 2023 16:43

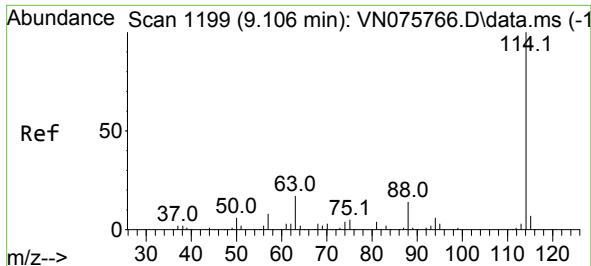
Tgt Ion: 65 Resp: 189126

Ion Ratio Lower Upper

65 100

67 52.4 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: VN076213.D

Acq: 11 Jan 2023 16:43

Instrument :

MSVOA_N

ClientSampleId :

IBLK

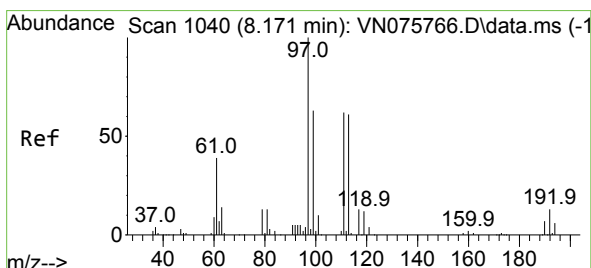
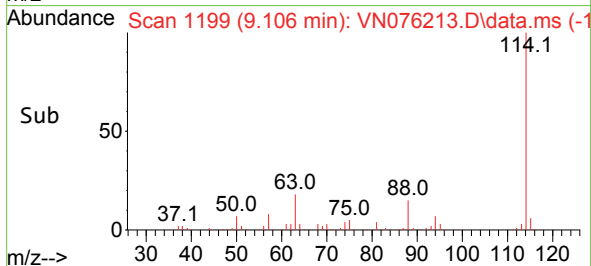
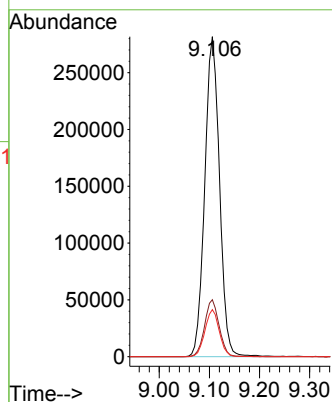
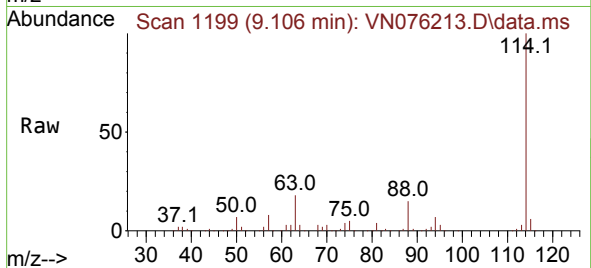
Tgt Ion:114 Resp: 575642

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.4

88 14.7 0.0 28.8



#35

Dibromofluoromethane

Concen: 46.593 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076213.D

Acq: 11 Jan 2023 16:43

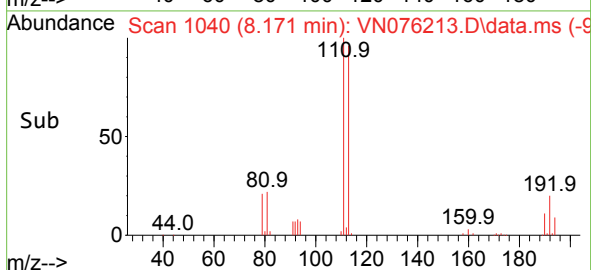
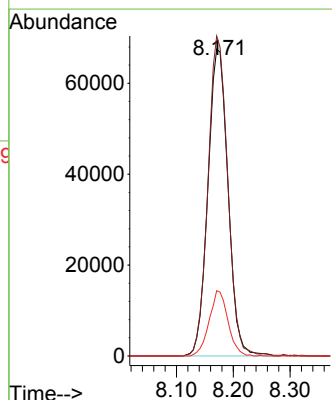
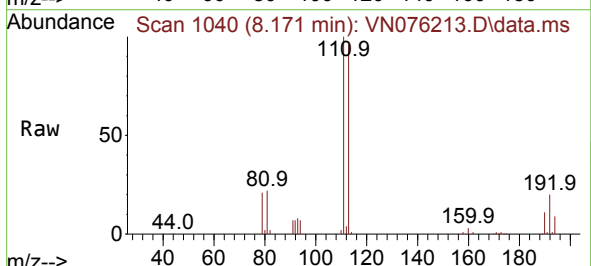
Tgt Ion:113 Resp: 166097

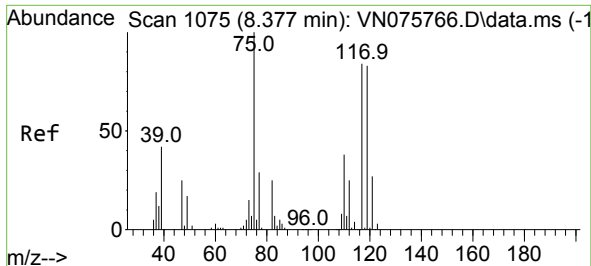
Ion Ratio Lower Upper

113 100

111 102.0 83.4 125.2

192 19.8 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.382 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076213.D

Acq: 11 Jan 2023 16:43

Instrument :

MSVOA_N

ClientSampleId :

IBLK

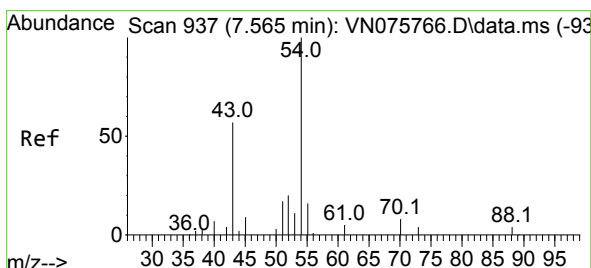
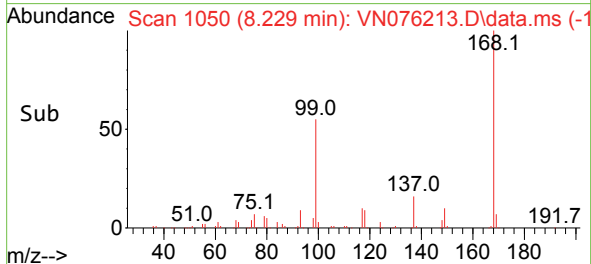
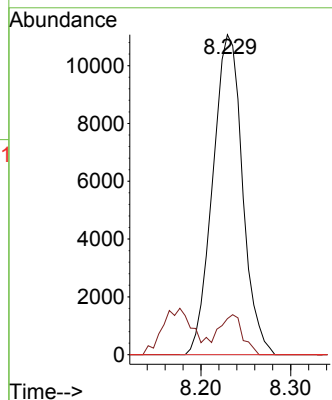
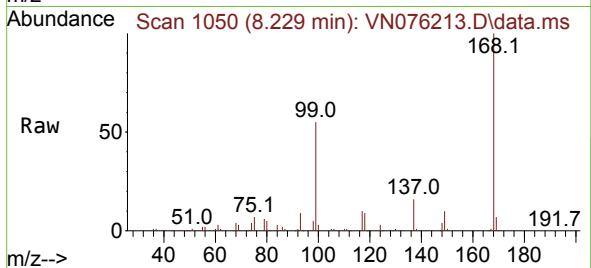
Tgt Ion: 75 Resp: 25486

Ion Ratio Lower Upper

75 100

110 9.6 18.8 56.4#

77 0.0 24.1 36.1#



#37

Ethyl Acetate

Concen: 0.634 ug/l

RT: 7.571 min Scan# 938

Delta R.T. 0.006 min

Lab File: VN076213.D

Acq: 11 Jan 2023 16:43

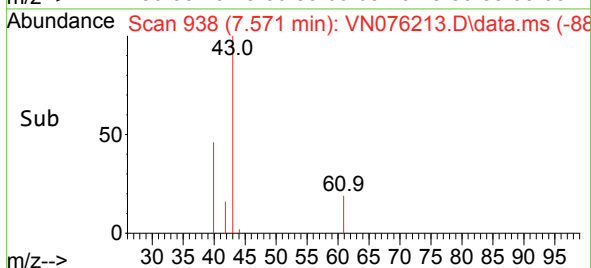
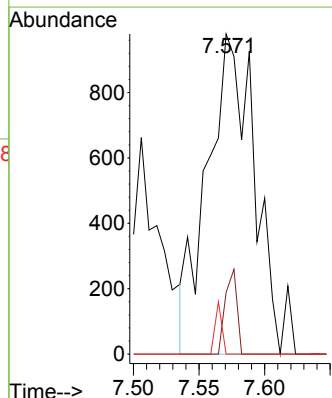
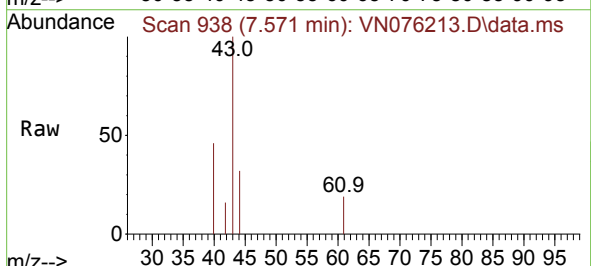
Tgt Ion: 43 Resp: 2410

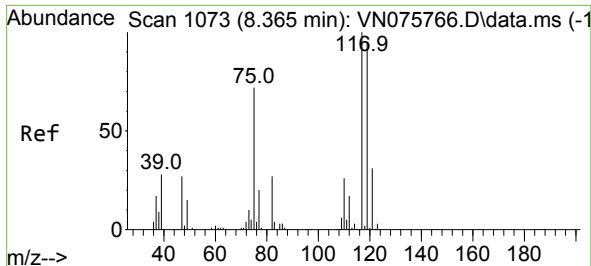
Ion Ratio Lower Upper

43 100

61 6.6 13.0 19.4#

70 2.3 9.4 14.0#

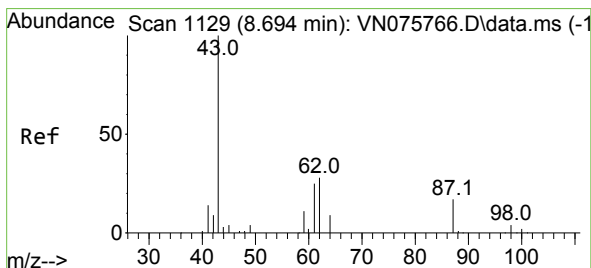
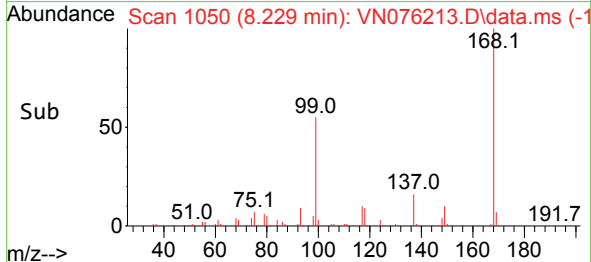
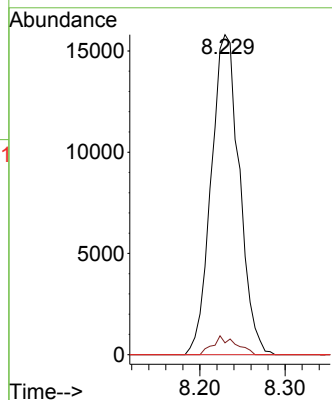
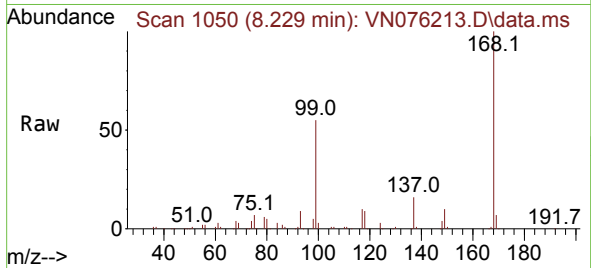




#38
Carbon Tetrachloride
Concen: 6.848 ug/l
RT: 8.229 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN076213.D
Acq: 11 Jan 2023 16:43

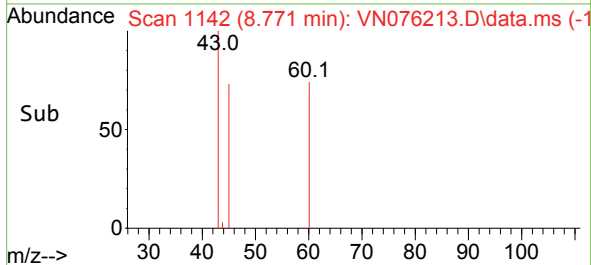
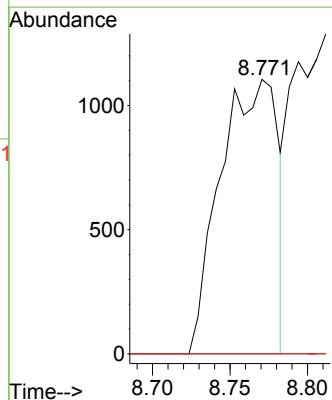
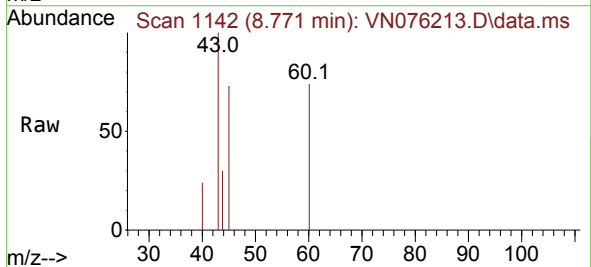
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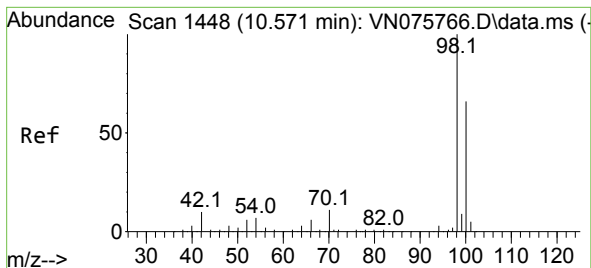
Tgt Ion:117 Resp: 36296
Ion Ratio Lower Upper
117 100
119 3.7 76.1 114.1#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 0.455 ug/l
RT: 8.771 min Scan# 1142
Delta R.T. 0.076 min
Lab File: VN076213.D
Acq: 11 Jan 2023 16:43

Tgt Ion: 43 Resp: 2854
Ion Ratio Lower Upper
43 100
61 0.0 24.2 36.4#
87 0.0 13.3 19.9#

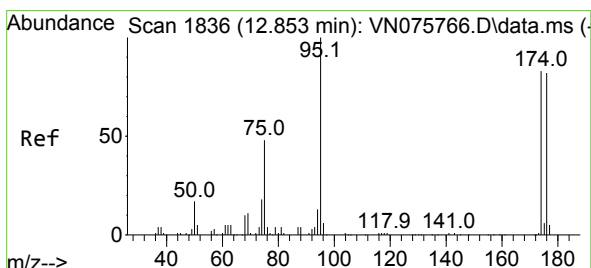
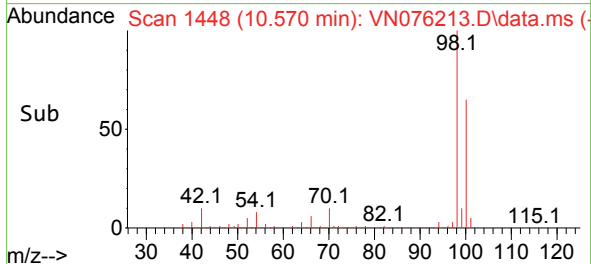
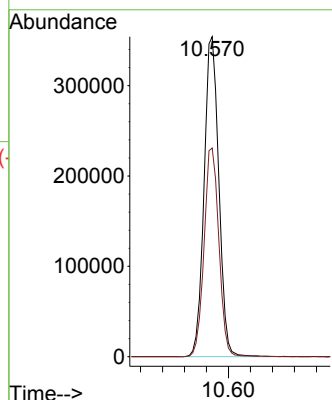
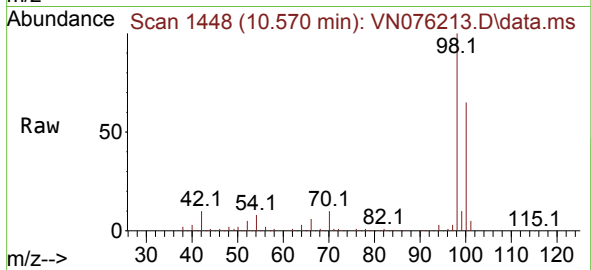




#50
Toluene-d8
Concen: 49.414 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076213.D
Acq: 11 Jan 2023 16:43

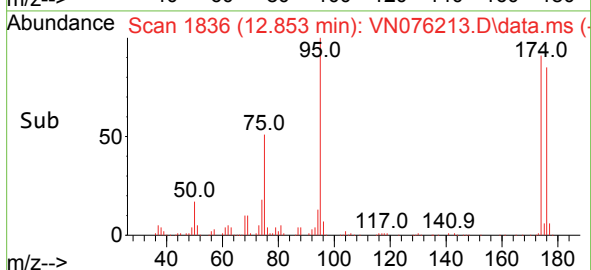
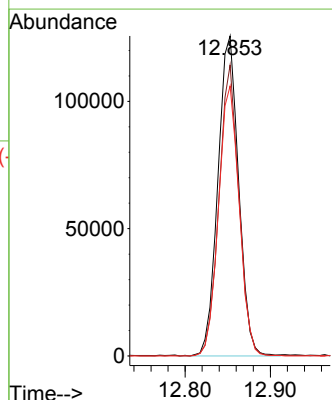
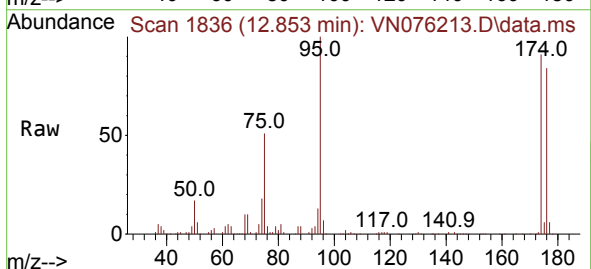
Instrument :
MSVOA_N
ClientSampleId :
IBLK

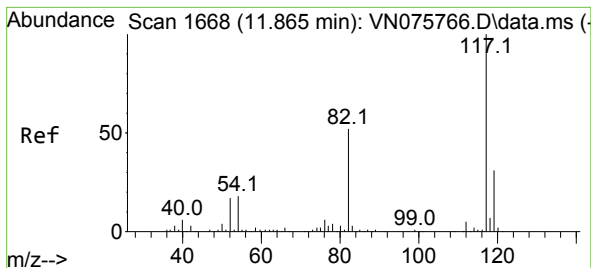
Tgt Ion: 98 Resp: 658622
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 48.168 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076213.D
Acq: 11 Jan 2023 16:43

Tgt Ion: 95 Resp: 212642
Ion Ratio Lower Upper
95 100
174 87.3 0.0 171.6
176 84.0 0.0 169.2

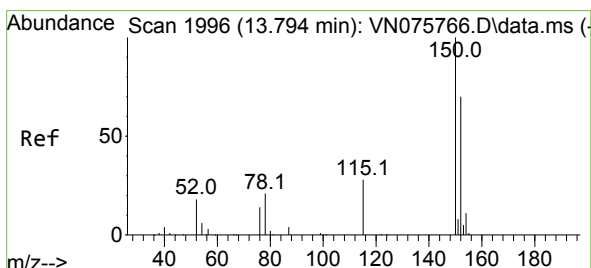
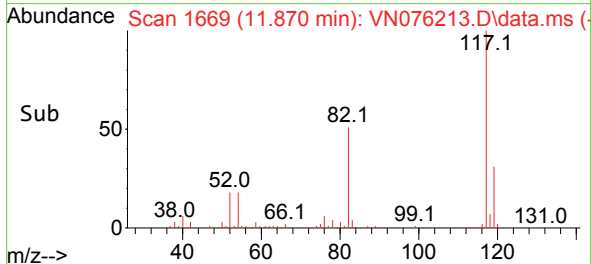
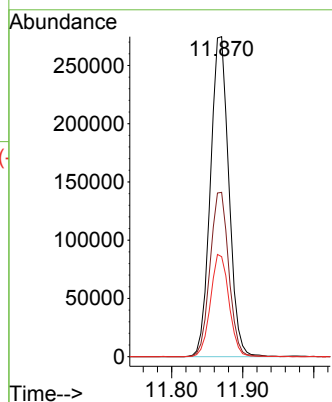
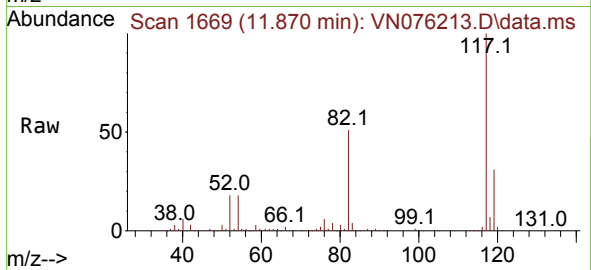




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN076213.D
Acq: 11 Jan 2023 16:43

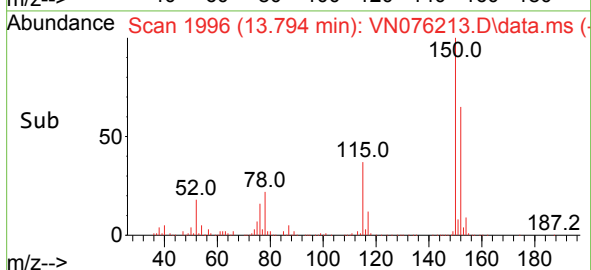
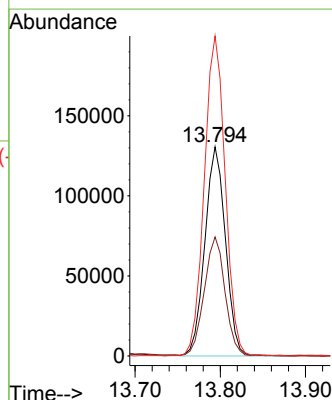
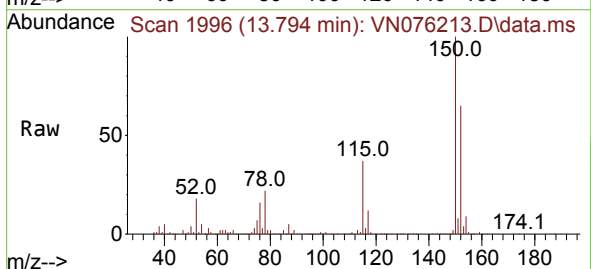
Instrument :
MSVOA_N
ClientSampleId :
IBLK

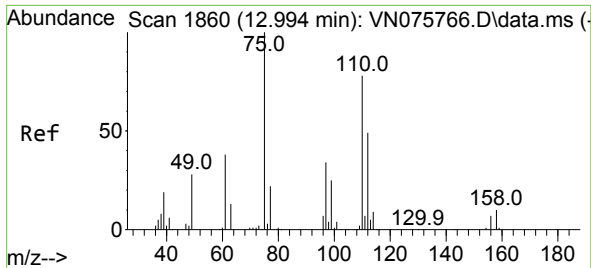
Tgt Ion:117 Resp: 495160
Ion Ratio Lower Upper
117 100
82 51.3 41.3 61.9
119 31.3 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076213.D
Acq: 11 Jan 2023 16:43

Tgt Ion:152 Resp: 219883
Ion Ratio Lower Upper
152 100
115 56.7 29.1 87.4
150 155.0 0.0 347.0

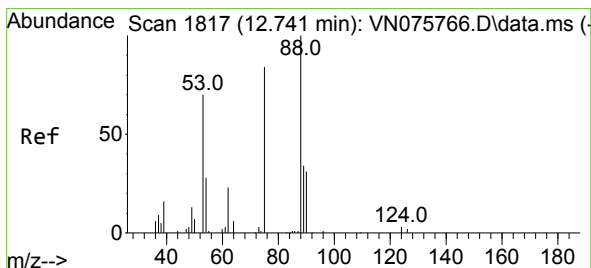
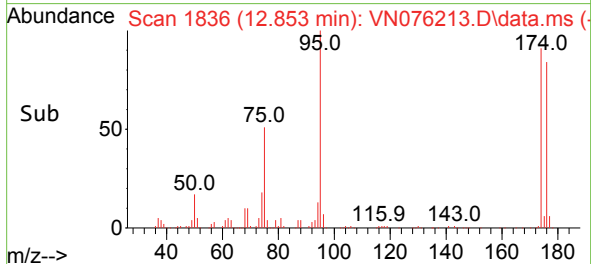
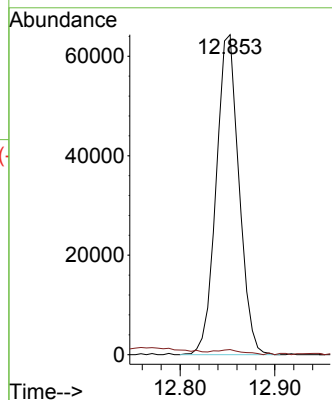
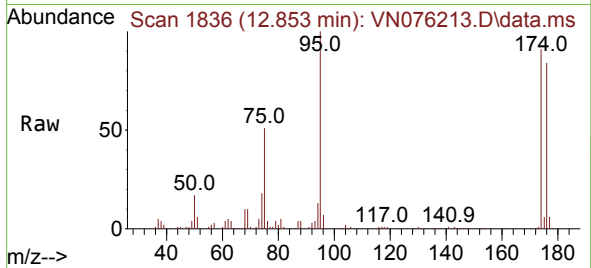




#76
1,2,3-Trichloropropane
Concen: 24.293 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076213.D
Acq: 11 Jan 2023 16:43

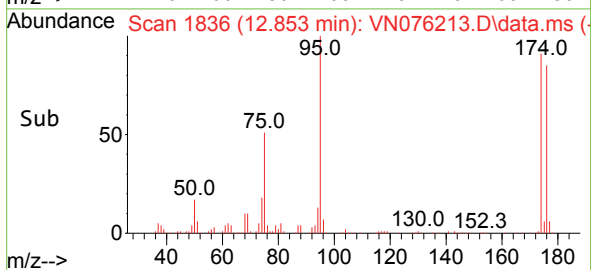
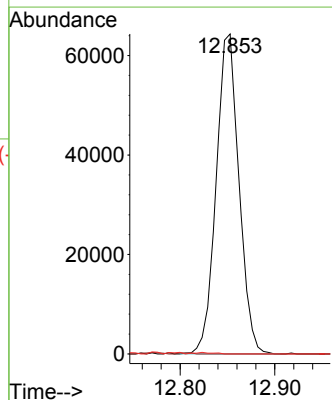
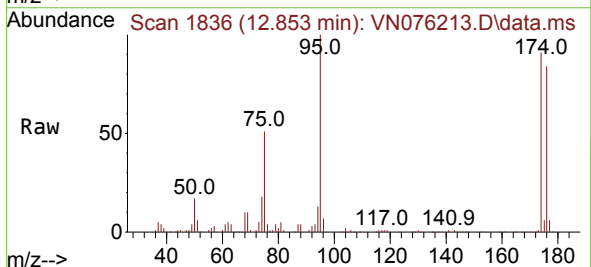
Instrument :
MSVOA_N
ClientSampleId :
IBLK

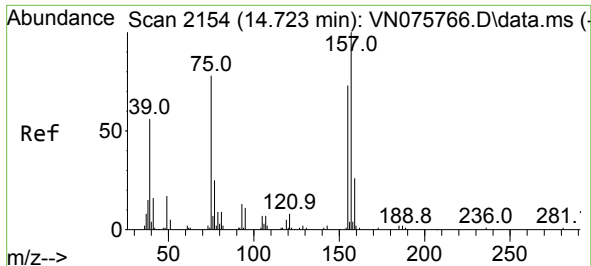
Tgt Ion: 75 Resp: 107676
Ion Ratio Lower Upper
75 100
77 1.9 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.444 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076213.D
Acq: 11 Jan 2023 16:43

Tgt Ion: 75 Resp: 107676
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#

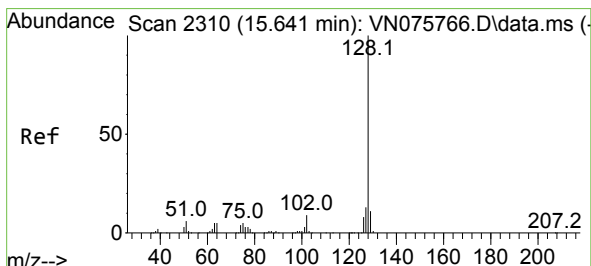
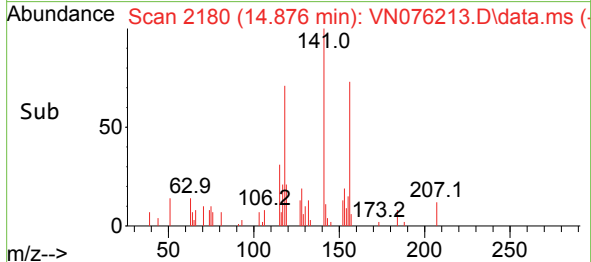
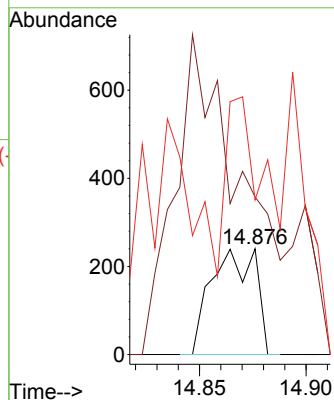
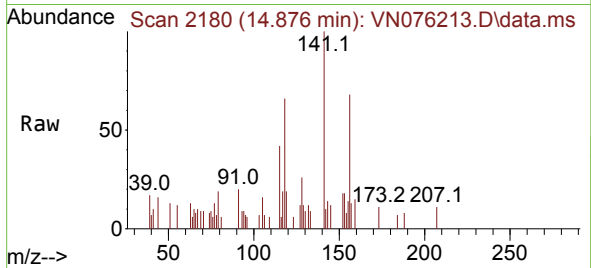




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.397 ug/l
 RT: 14.876 min Scan# 2154
 Delta R.T. 0.153 min
 Lab File: VN076213.D
 Acq: 11 Jan 2023 16:43

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion: 75 Resp: 346
 Ion Ratio Lower Upper
 75 100
 155 0.0 49.3 147.8#
 157 137.9 63.7 191.3



#95
 Naphthalene
 Concen: 6.041 ug/l
 RT: 15.641 min Scan# 2310
 Delta R.T. -0.000 min
 Lab File: VN076213.D
 Acq: 11 Jan 2023 16:43

Tgt Ion: 128 Resp: 48337
 Ion Ratio Lower Upper
 128 100
 127 14.2 10.4 15.6
 129 16.1 8.7 13.1#

