

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011323\
 Data File : VN076237.D
 Acq On : 13 Jan 2023 10:28
 Operator : JC\MD
 Sample : VN0113MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0113MBL01

Quant Time: Jan 16 01:02:42 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)

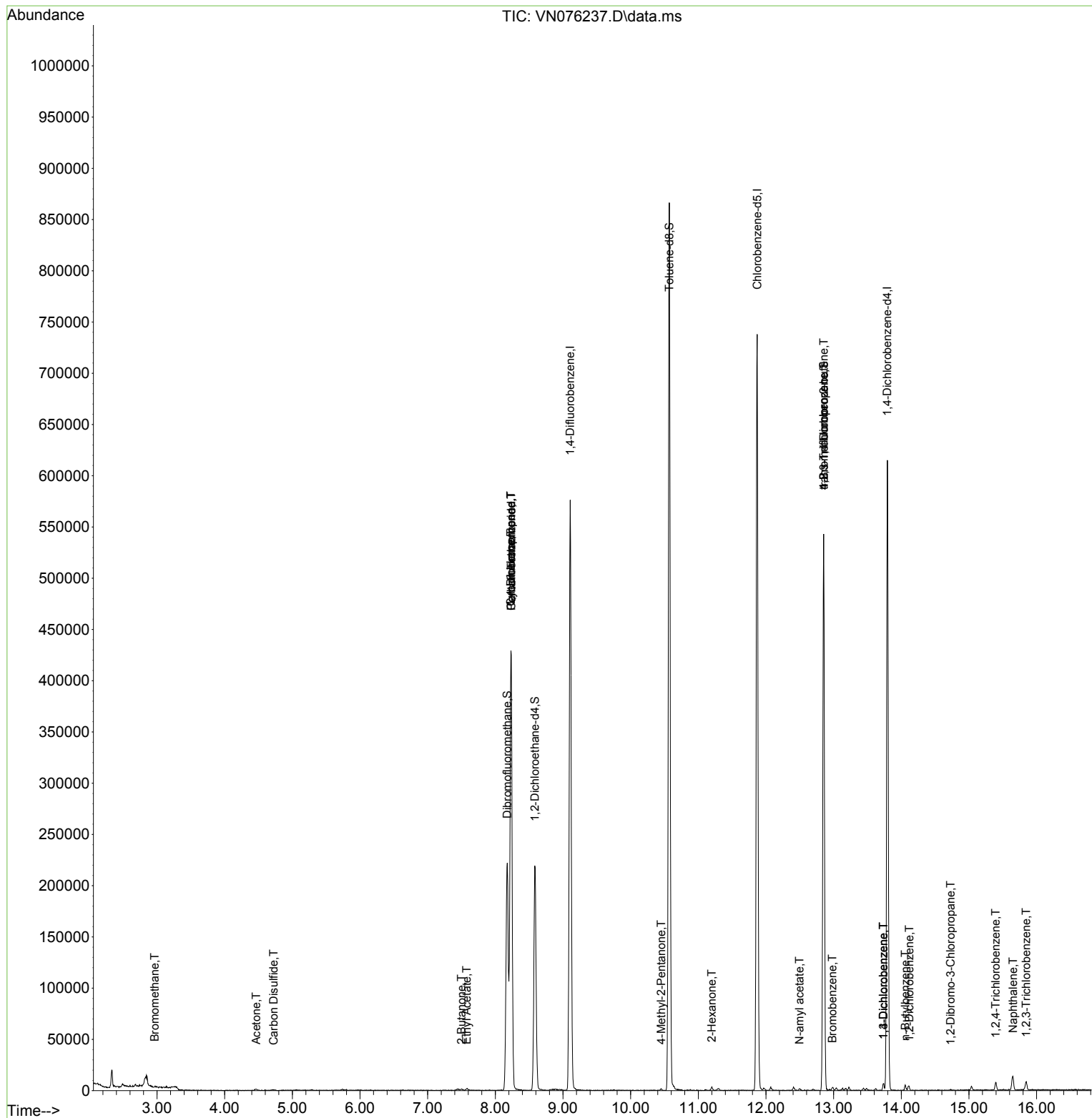
Internal Standards						
1) Pentafluorobenzene	8.235	168	330808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	518216	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	444896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	170101	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	179561	49.894	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.780%		
35) Dibromofluoromethane	8.177	113	158647	49.434	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.860%		
50) Toluene-d8	10.571	98	601650	50.142	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.280%		
62) 4-Bromofluorobenzene	12.853	95	179469	45.159	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.320%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.965	94	979	0.331	ug/l #	62
16) Acetone	4.465	43	2657	2.142	ug/l	93
17) Carbon Disulfide	4.724	76	1708	0.241	ug/l #	76
20) Methylene Chloride	5.277	84	201	Below Cal	#	52
25) 2-Butanone	7.500	43	1736	0.999	ug/l #	67
31) Cyclohexane	8.229	56	6695	1.299	ug/l #	40
36) 1,1-Dichloropropene	8.229	75	24040	5.639	ug/l #	49
37) Ethyl Acetate	7.577	43	1510	0.441	ug/l #	79
38) Carbon Tetrachloride	8.235	117	32157	6.739	ug/l #	16
51) 4-Methyl-2-Pentanone	10.453	43	1063	0.311	ug/l	87
59) 2-Hexanone	11.200	43	2434	0.977	ug/l	89
74) N-amyl acetate	12.494	43	1113	0.309	ug/l #	48
76) 1,2,3-Trichloropropane	12.853	75	93644	27.311	ug/l #	1
77) Bromobenzene	12.982	156	1022	0.329	ug/l	71
81) trans-1,4-Dichloro-2-b...	12.853	75	93644	98.305	ug/l #	12
87) 1,3-Dichlorobenzene	13.735	146	2338	0.407	ug/l	95
88) 1,4-Dichlorobenzene	13.735	146	2338	0.398	ug/l	93
89) n-Butylbenzene	14.059	91	3342	0.396	ug/l	95
91) 1,2-Dichlorobenzene	14.117	146	2373	0.419	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.729	75	224	0.332	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.394	180	3162	1.128	ug/l	95
95) Naphthalene	15.653	128	14691	3.695	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	3836	1.465	ug/l	95

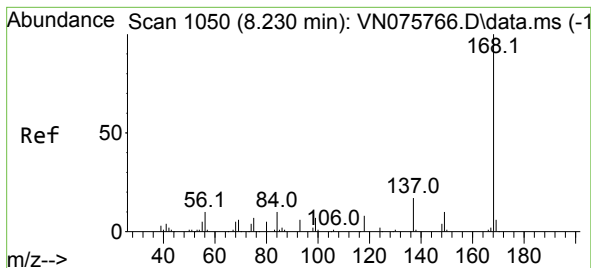
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Jan 16 01:02:42 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: 8.235 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN076237.D

Acq: 13 Jan 2023 10:28

Instrument :

MSVOA_N

ClientSampleId :

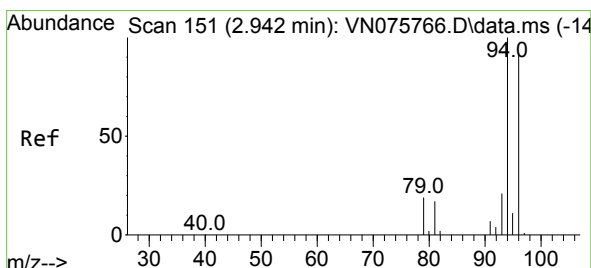
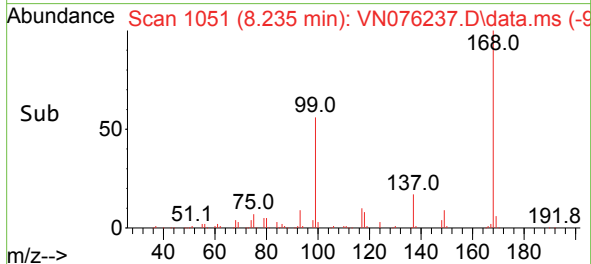
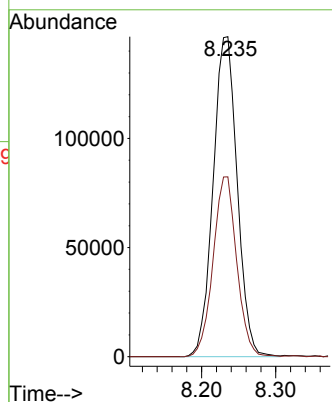
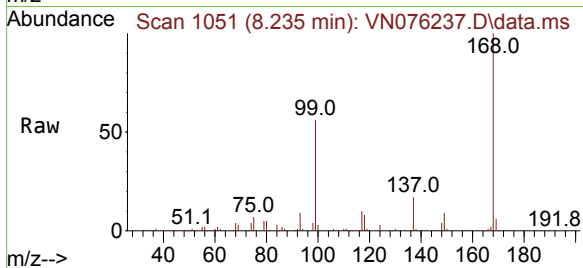
VN0113MBL01

Tgt Ion:168 Resp: 330808

Ion Ratio Lower Upper

168 100

99 56.2 44.2 66.4



#5

Bromomethane

Concen: 0.331 ug/l

RT: 2.965 min Scan# 155

Delta R.T. 0.023 min

Lab File: VN076237.D

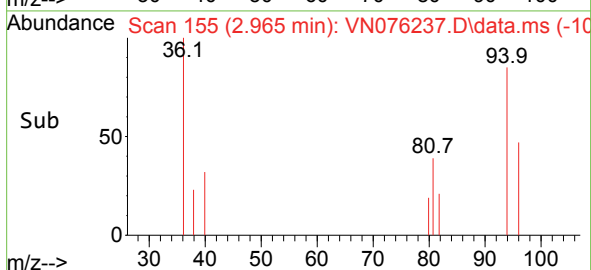
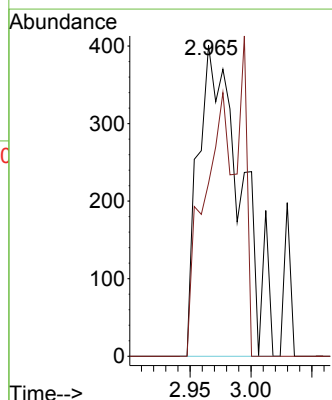
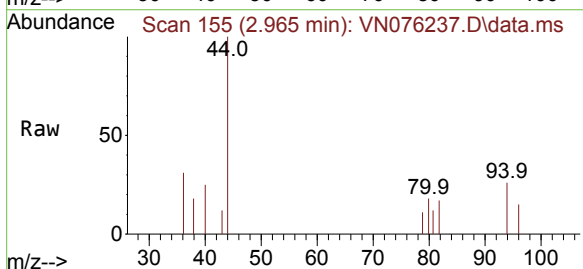
Acq: 13 Jan 2023 10:28

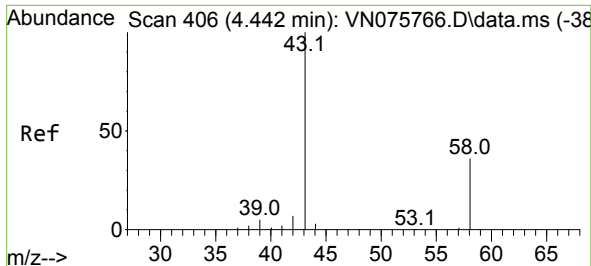
Tgt Ion: 94 Resp: 979

Ion Ratio Lower Upper

94 100

96 55.6 73.8 110.6#





#16

Acetone

Concen: 2.142 ug/l

RT: 4.465 min Scan# 410

Delta R.T. 0.023 min

Lab File: VN076237.D

Acq: 13 Jan 2023 10:28

Instrument :

MSVOA_N

ClientSampleId :

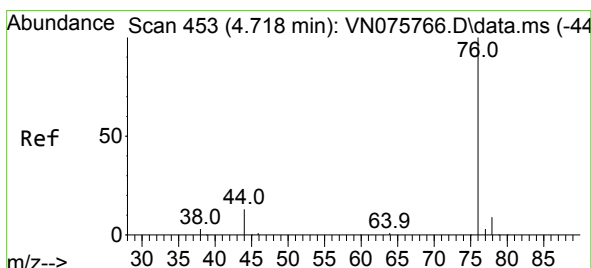
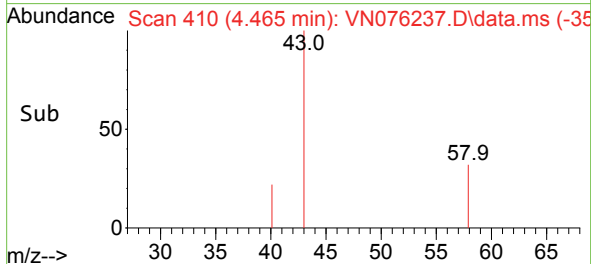
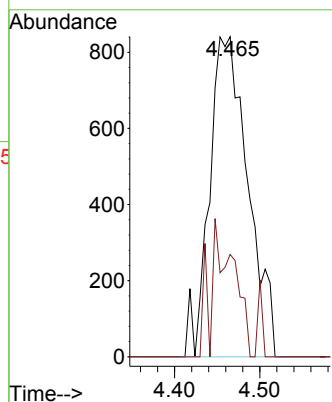
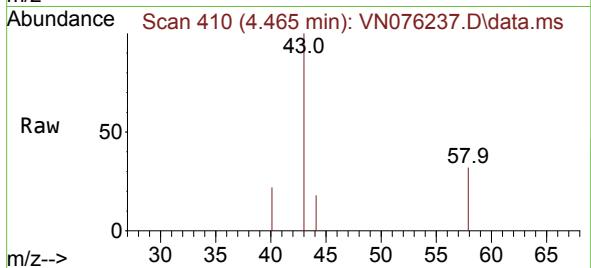
VN0113MBL01

Tgt Ion: 43 Resp: 2657

Ion Ratio Lower Upper

43 100

58 32.0 28.6 43.0



#17

Carbon Disulfide

Concen: 0.241 ug/l

RT: 4.724 min Scan# 454

Delta R.T. 0.006 min

Lab File: VN076237.D

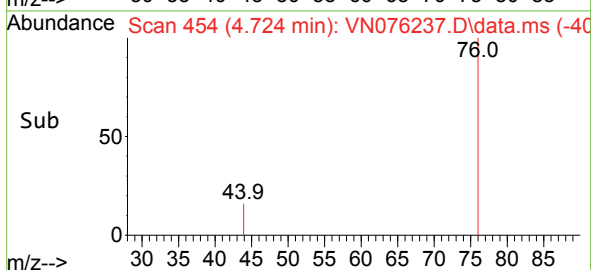
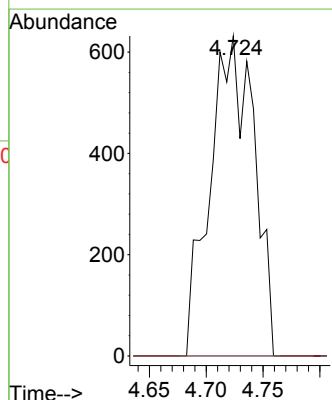
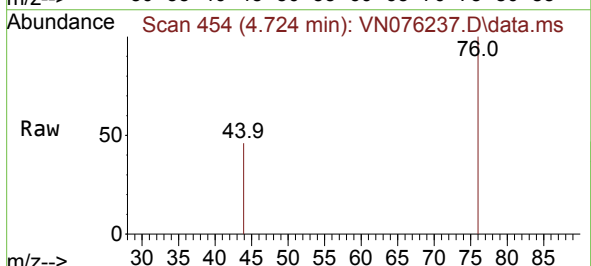
Acq: 13 Jan 2023 10:28

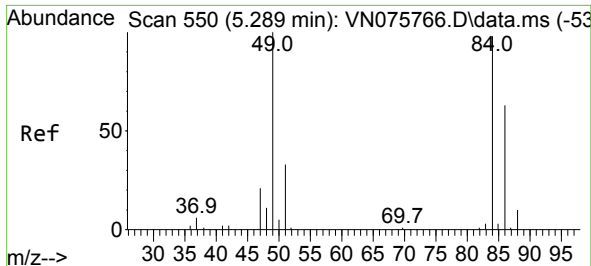
Tgt Ion: 76 Resp: 1708

Ion Ratio Lower Upper

76 100

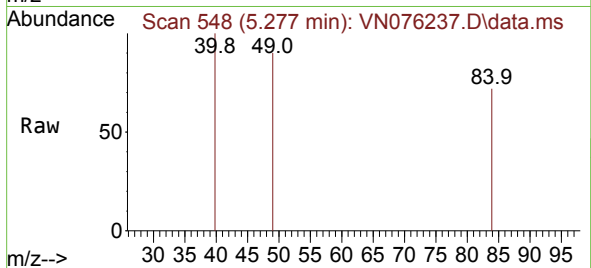
78 0.0 6.8 10.2#



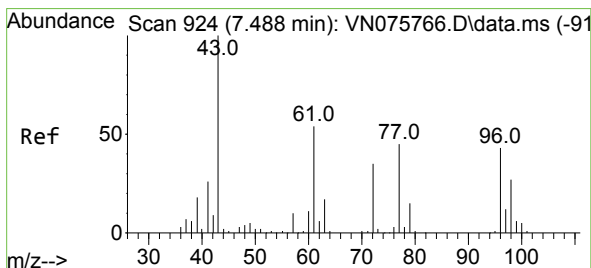
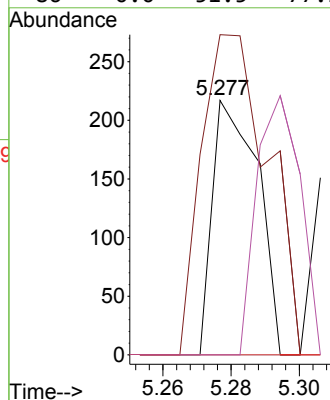


#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 54
Delta R.T. -0.012 min
Lab File: VN076237.D
Acq: 13 Jan 2023 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN0113MBL01

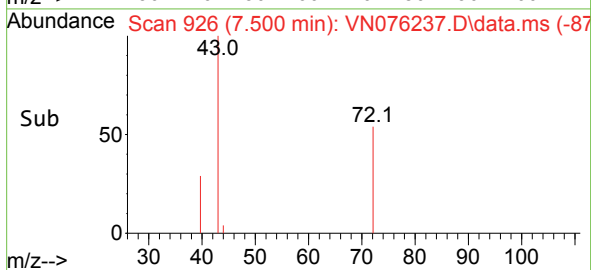
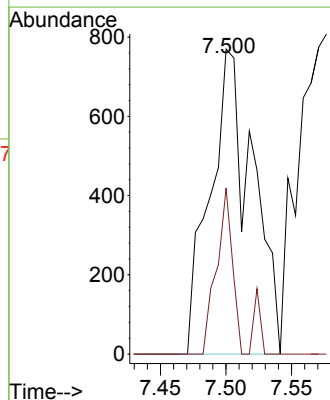
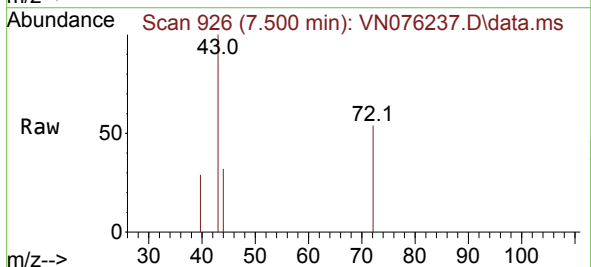


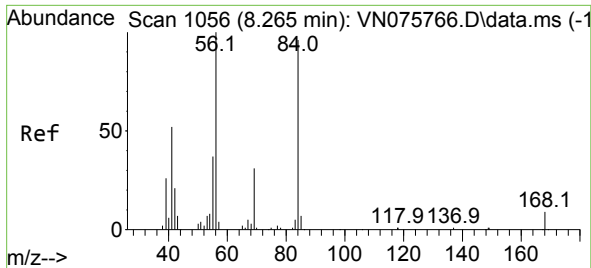
Tgt Ion: 84	Resp: 201
Ion Ratio	Lower Upper
84	100
49	125.8 81.8 122.6#
51	0.0 26.7 40.1#
86	0.0 51.5 77.3#



#25
2-Butanone
Concen: 0.999 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN076237.D
Acq: 13 Jan 2023 10:28

Tgt Ion: 43	Resp: 1736
Ion Ratio	Lower Upper
43	100
72	54.4 28.0 42.0#

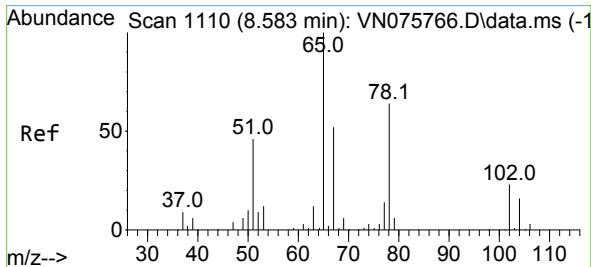
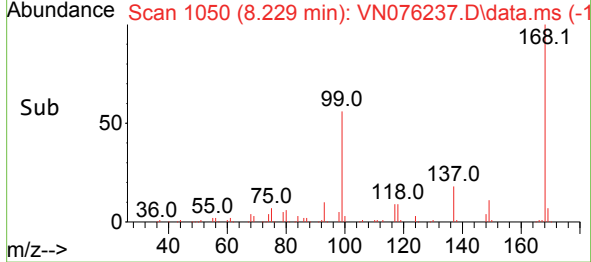
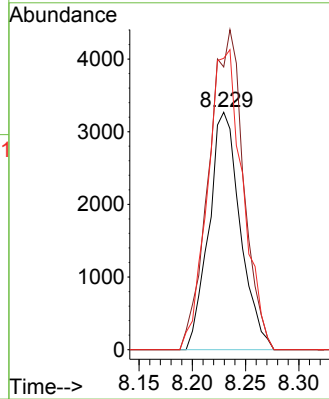
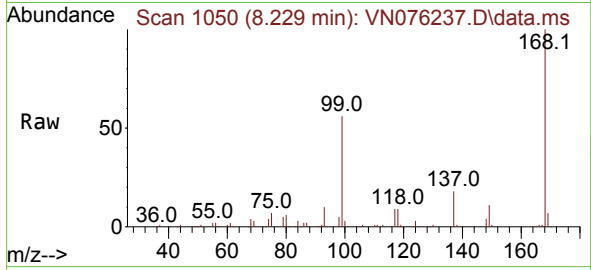




#31
Cyclohexane
Concen: 1.299 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN076237.D
Acq: 13 Jan 2023 10:28

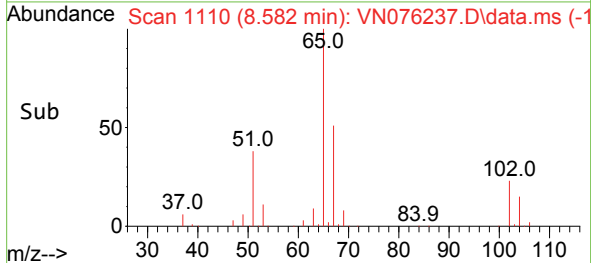
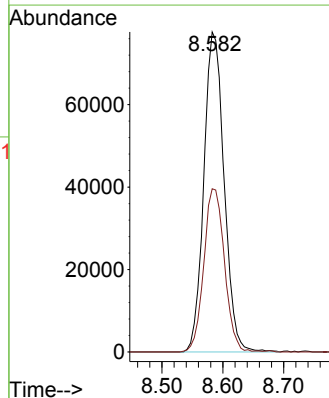
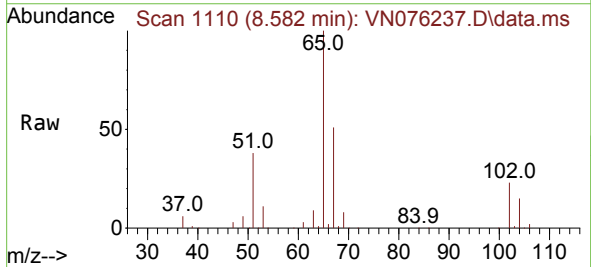
Instrument :
MSVOA_N
ClientSampleId :
VN0113MBL01

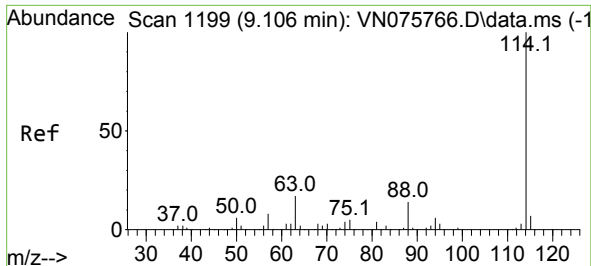
Tgt Ion: 56 Resp: 6695
Ion Ratio Lower Upper
56 100
69 119.1 24.7 37.1#
84 122.7 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 49.894 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN076237.D
Acq: 13 Jan 2023 10:28

Tgt Ion: 65 Resp: 179561
Ion Ratio Lower Upper
65 100
67 52.1 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: VN076237.D

Acq: 13 Jan 2023 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN0113MBL01

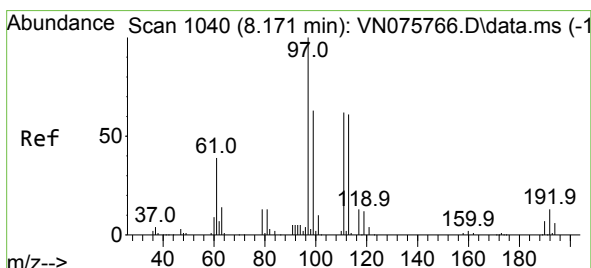
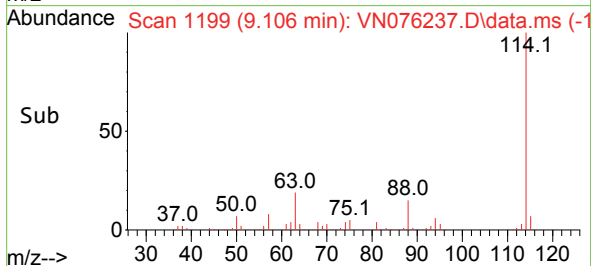
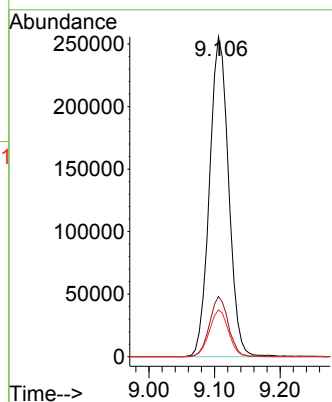
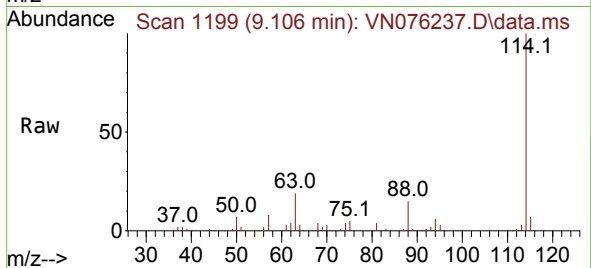
Tgt Ion:114 Resp: 518216

Ion Ratio Lower Upper

114 100

63 18.8 0.0 34.4

88 14.6 0.0 28.8



#35

Dibromofluoromethane

Concen: 49.434 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076237.D

Acq: 13 Jan 2023 10:28

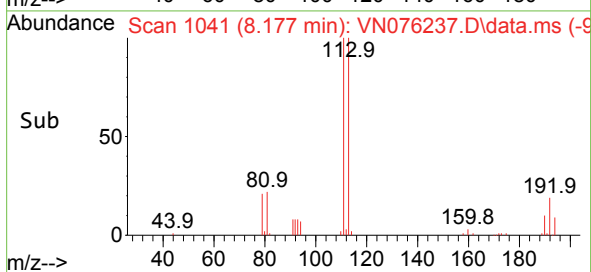
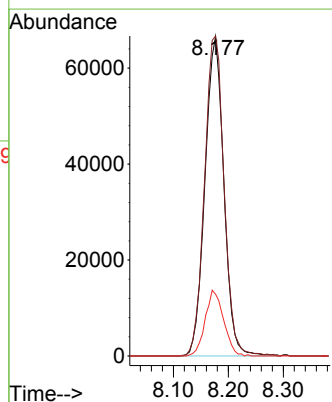
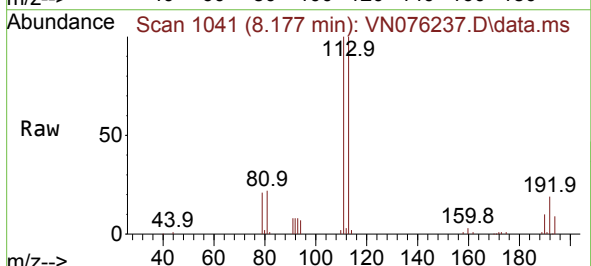
Tgt Ion:113 Resp: 158647

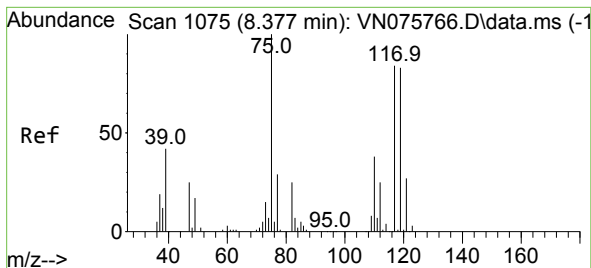
Ion Ratio Lower Upper

113 100

111 103.9 83.4 125.2

192 20.2 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.639 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN076237.D

Acq: 13 Jan 2023 10:28

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VN0113MBL01

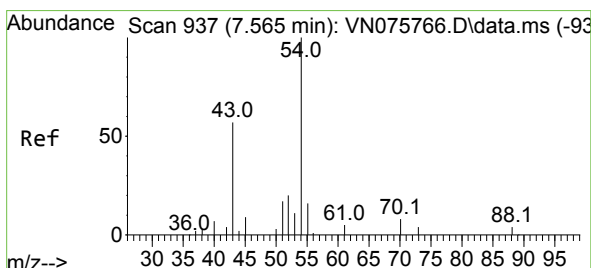
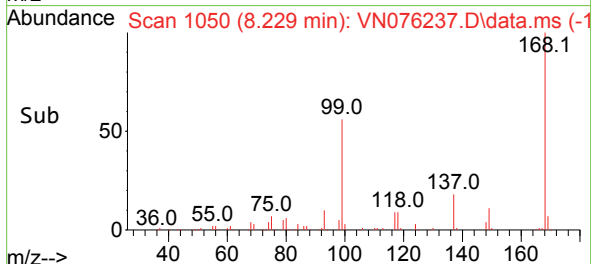
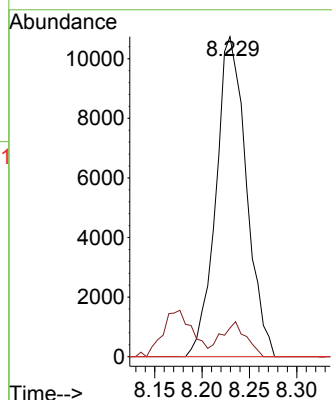
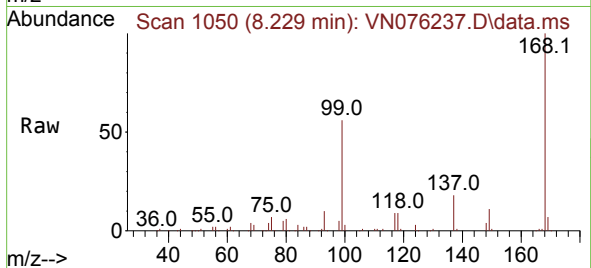
Tgt Ion: 75 Resp: 24040

Ion Ratio Lower Upper

75 100

110 8.9 18.8 56.4#

77 0.0 24.1 36.1#



#37

Ethyl Acetate

Concen: 0.441 ug/l

RT: 7.577 min Scan# 939

Delta R.T. 0.012 min

Lab File: VN076237.D

Acq: 13 Jan 2023 10:28

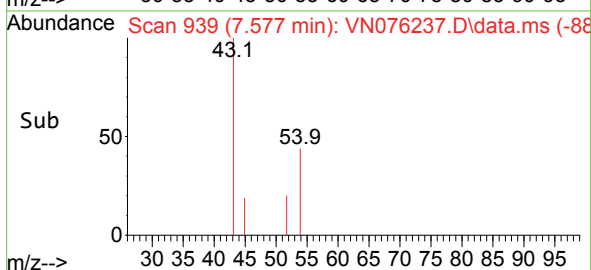
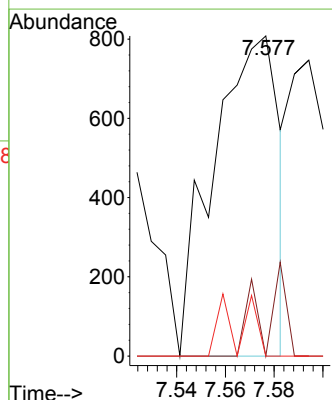
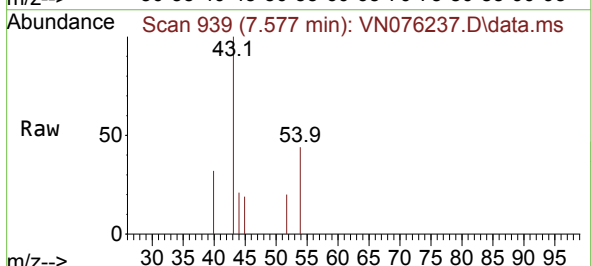
Tgt Ion: 43 Resp: 1510

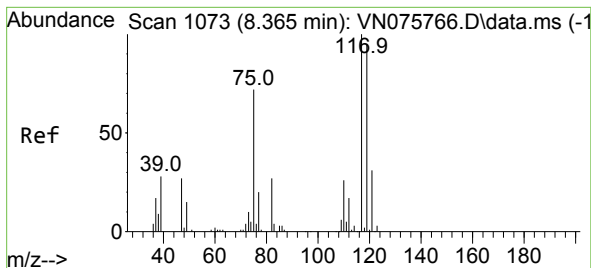
Ion Ratio Lower Upper

43 100

61 4.5 13.0 19.4#

70 7.2 9.4 14.0#





#38

Carbon Tetrachloride

Concen: 6.739 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.130 min

Lab File: VN076237.D

Acq: 13 Jan 2023 10:28

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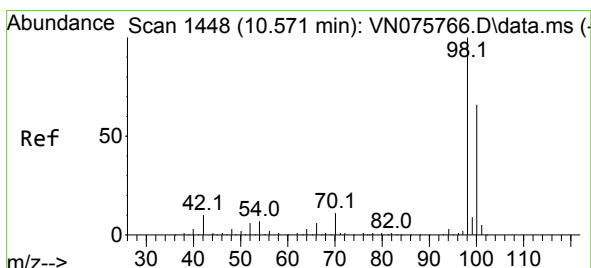
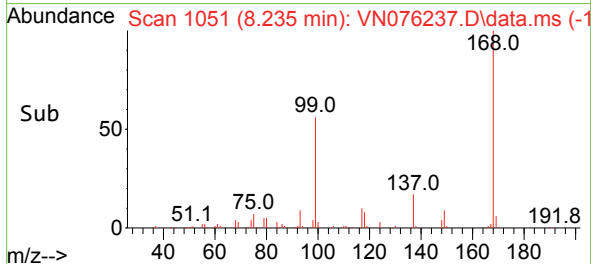
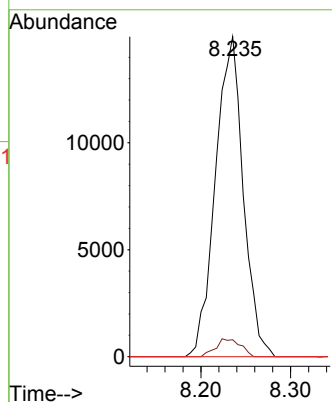
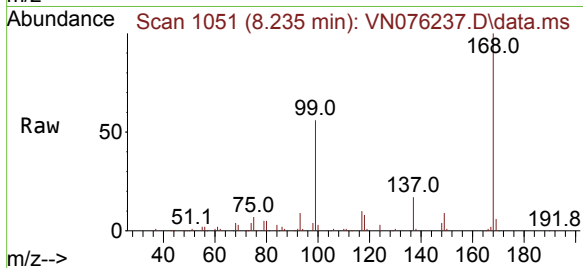
Tgt Ion:117 Resp: 32157

Ion Ratio Lower Upper

117 100

119 5.3 76.1 114.1#

121 0.0 24.5 36.7#



#50

Toluene-d8

Concen: 50.142 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076237.D

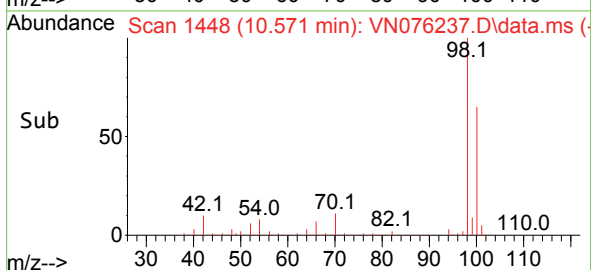
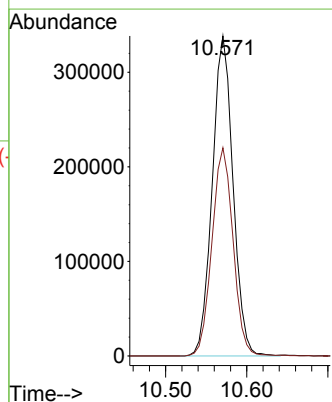
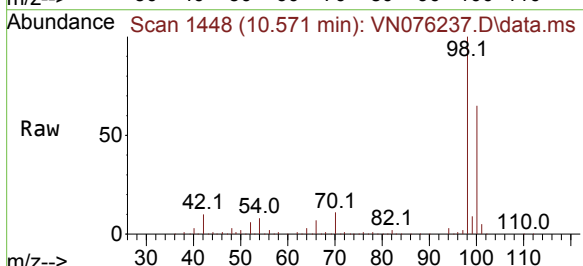
Acq: 13 Jan 2023 10:28

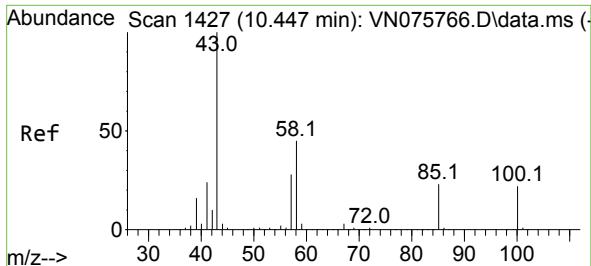
Tgt Ion: 98 Resp: 601650

Ion Ratio Lower Upper

98 100

100 66.2 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 0.311 ug/l

RT: 10.453 min Scan# 1427

Delta R.T. 0.006 min

Lab File: VN076237.D

Acq: 13 Jan 2023 10:28

Instrument :

MSVOA_N

ClientSampleId :

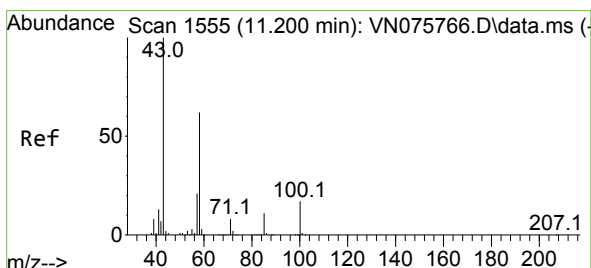
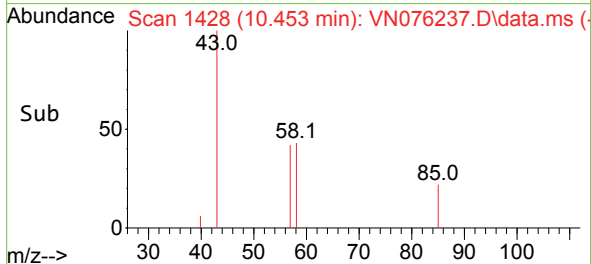
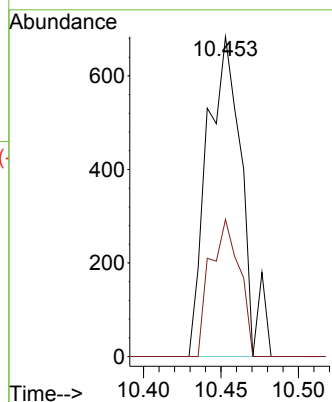
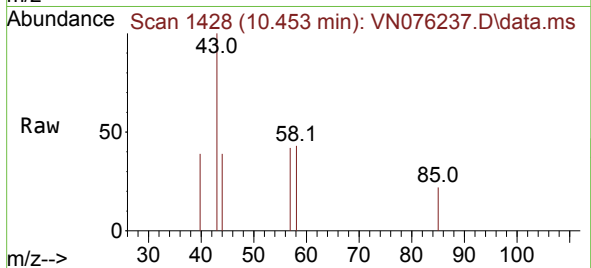
VN0113MBL01

Tgt Ion: 43 Resp: 1063

Ion Ratio Lower Upper

43 100

58 36.1 35.5 53.3



#59

2-Hexanone

Concen: 0.977 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN076237.D

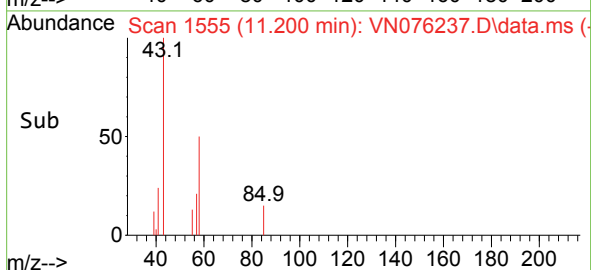
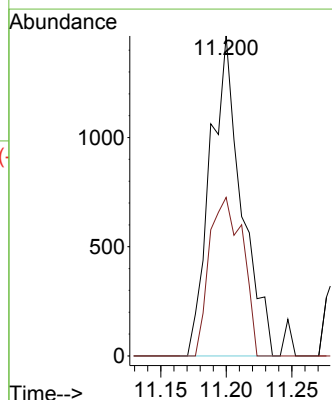
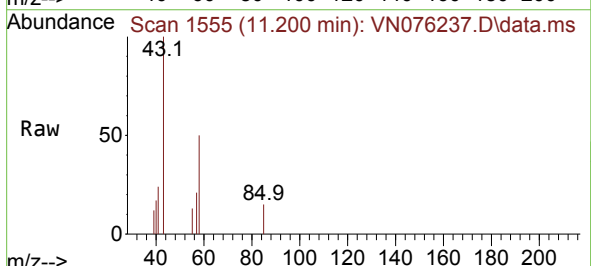
Acq: 13 Jan 2023 10:28

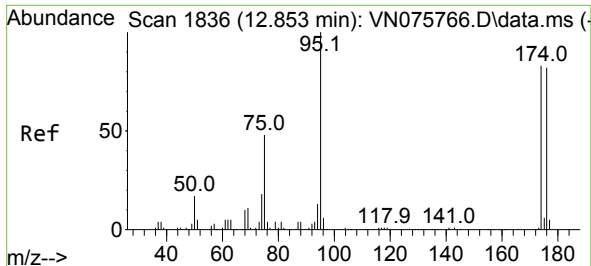
Tgt Ion: 43 Resp: 2434

Ion Ratio Lower Upper

43 100

58 52.7 30.6 92.0

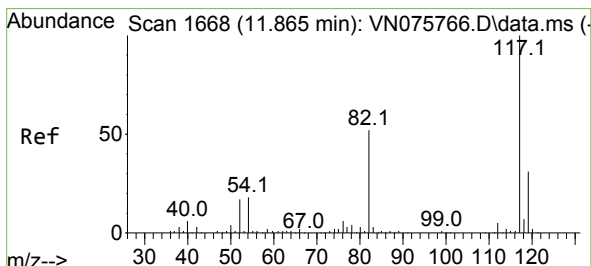
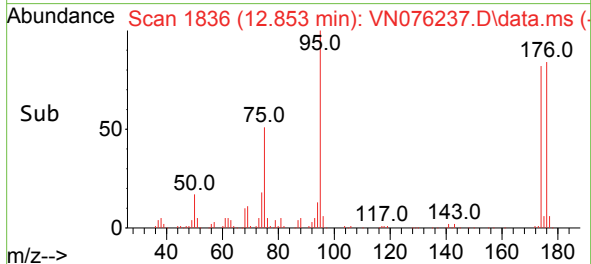
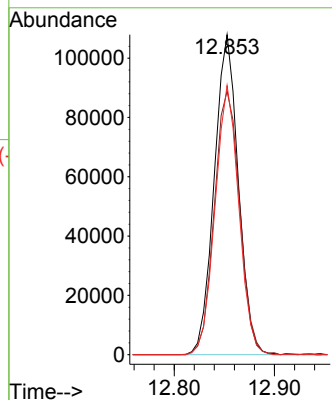
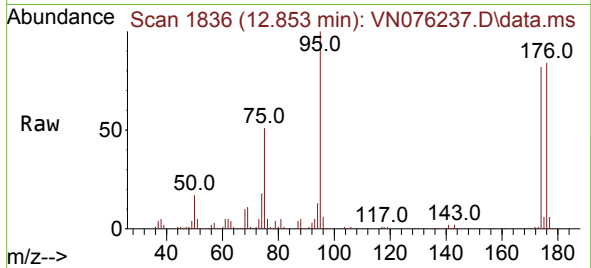




#62
4-Bromofluorobenzene
Concen: 45.159 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076237.D
Acq: 13 Jan 2023 10:28

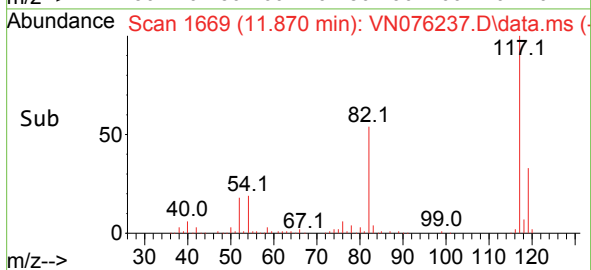
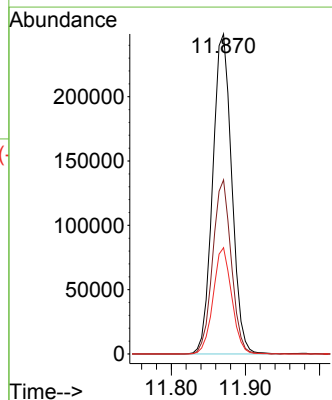
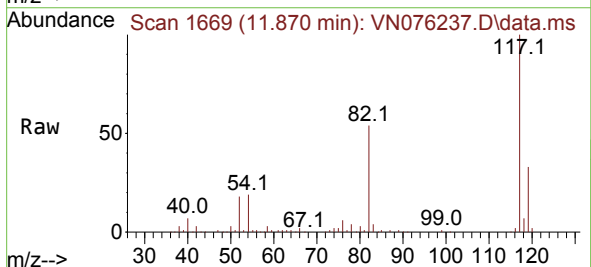
Instrument :
MSVOA_N
ClientSampleId :
VN0113MBL01

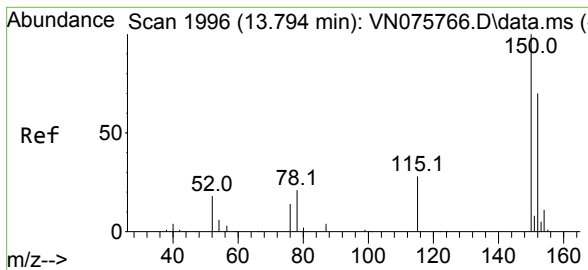
Tgt Ion: 95 Resp: 179469
Ion Ratio Lower Upper
95 100
174 87.3 0.0 171.6
176 83.0 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076237.D
Acq: 13 Jan 2023 10:28

Tgt Ion: 117 Resp: 444896
Ion Ratio Lower Upper
117 100
82 54.4 41.3 61.9
119 33.2 24.6 37.0

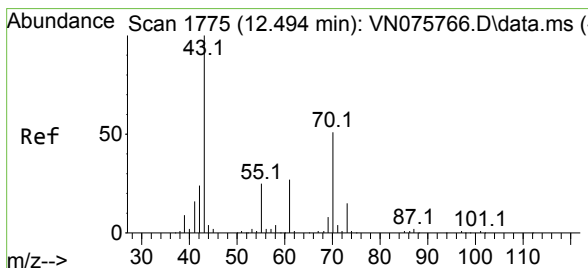
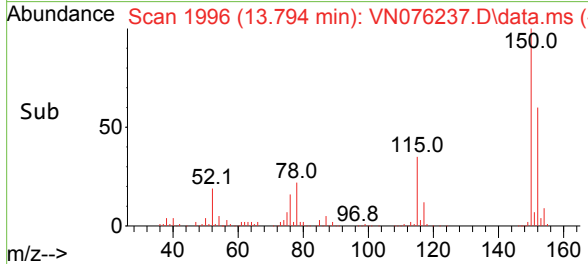
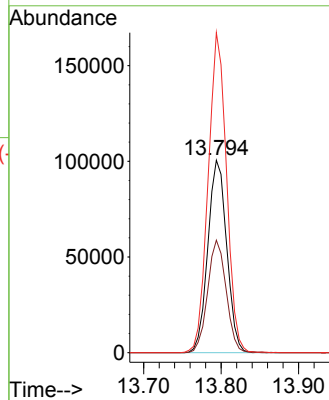
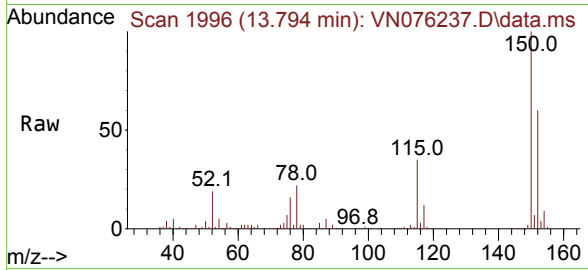




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN076237.D
 Acq: 13 Jan 2023 10:28

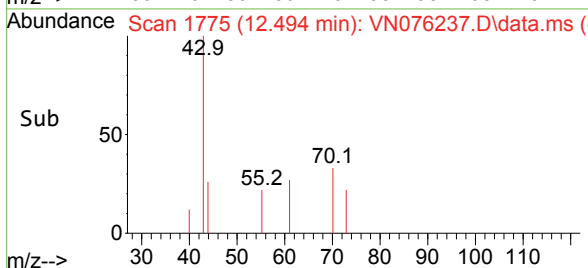
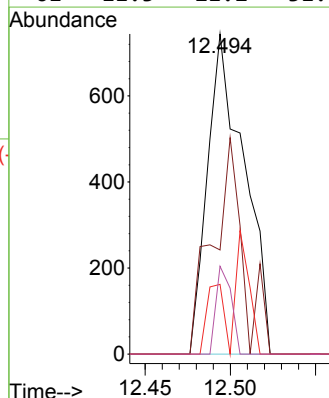
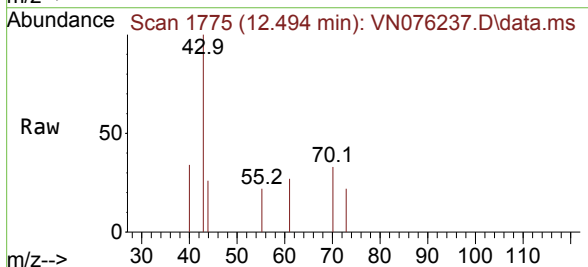
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0113MBL01

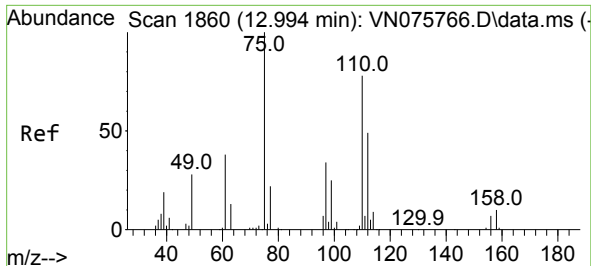
Tgt Ion:152 Resp: 170101
 Ion Ratio Lower Upper
 152 100
 115 57.3 29.1 87.4
 150 161.7 0.0 347.0



#74
 N-ethyl acetate
 Concen: 0.309 ug/l
 RT: 12.494 min Scan# 1775
 Delta R.T. -0.000 min
 Lab File: VN076237.D
 Acq: 13 Jan 2023 10:28

Tgt Ion: 43 Resp: 1113
 Ion Ratio Lower Upper
 43 100
 70 0.0 41.4 62.0#
 55 10.1 21.3 31.9#
 61 11.3 21.2 31.8#

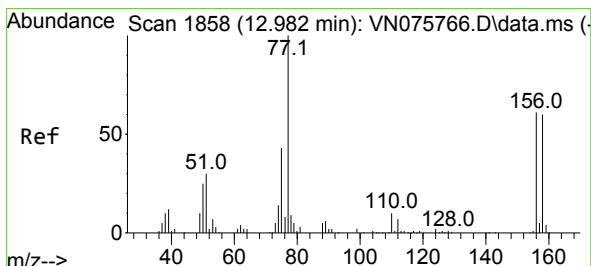
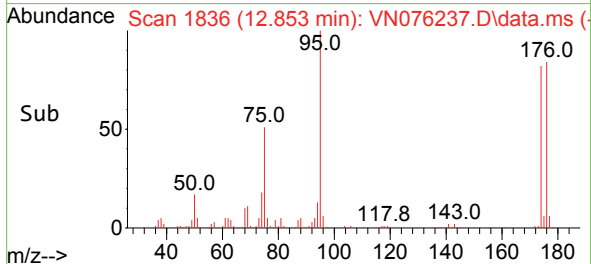
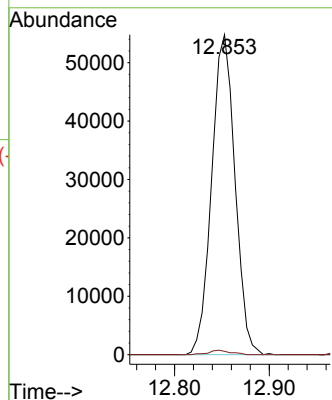
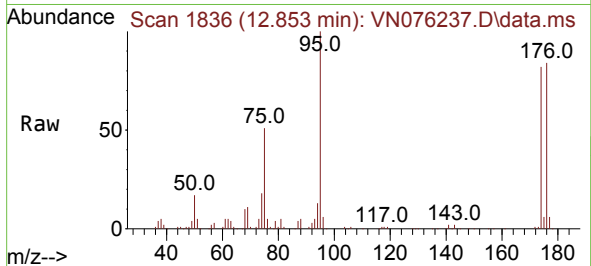




#76
1,2,3-Trichloropropane
Concen: 27.311 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076237.D
Acq: 13 Jan 2023 10:28

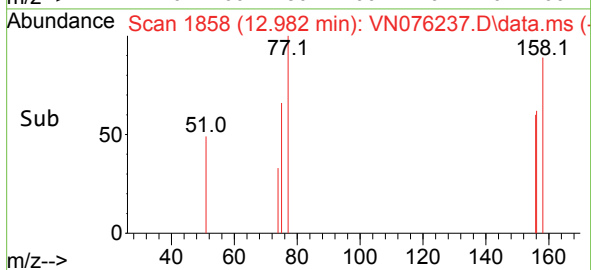
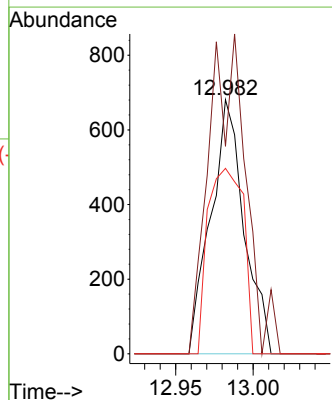
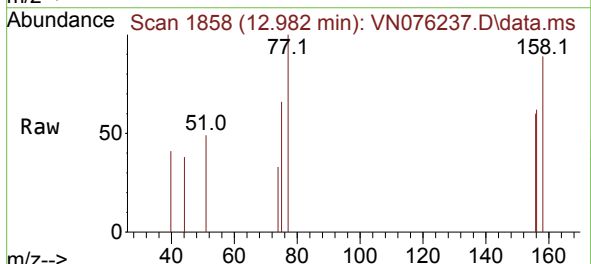
Instrument :
MSVOA_N
ClientSampleId :
VN0113MBL01

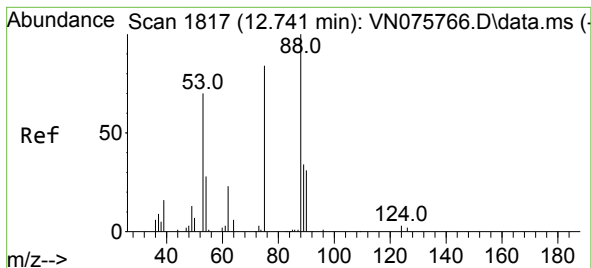
Tgt Ion: 75 Resp: 93644
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#77
Bromobenzene
Concen: 0.329 ug/l
RT: 12.982 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN076237.D
Acq: 13 Jan 2023 10:28

Tgt Ion:156 Resp: 1022
Ion Ratio Lower Upper
156 100
77 138.1 93.8 281.3
158 77.4 48.9 146.6

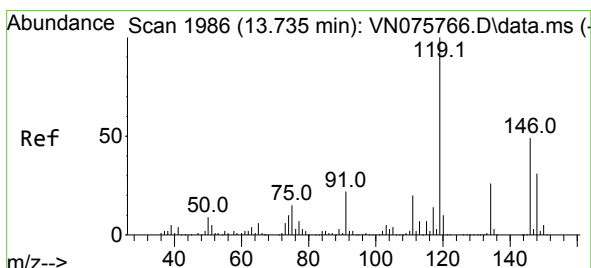
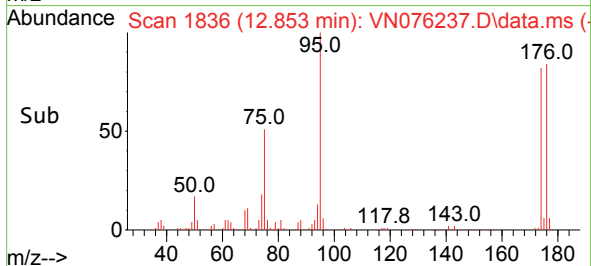
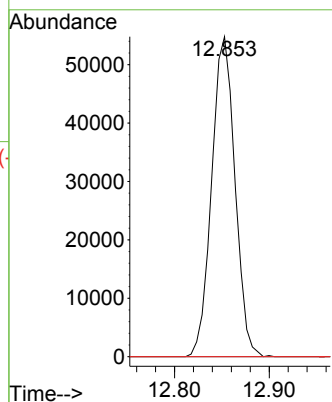
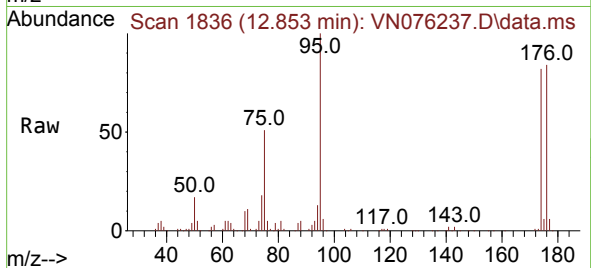




#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.305 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. 0.112 min
 Lab File: VN076237.D
 Acq: 13 Jan 2023 10:28

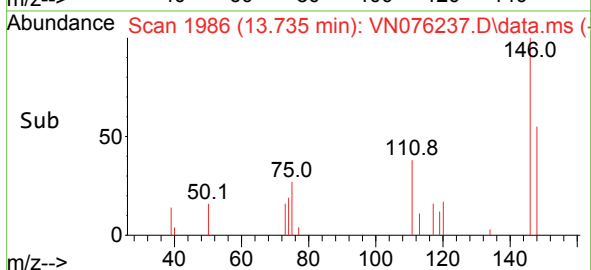
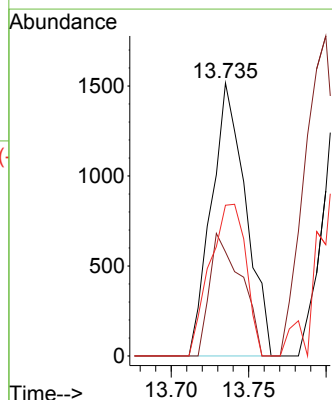
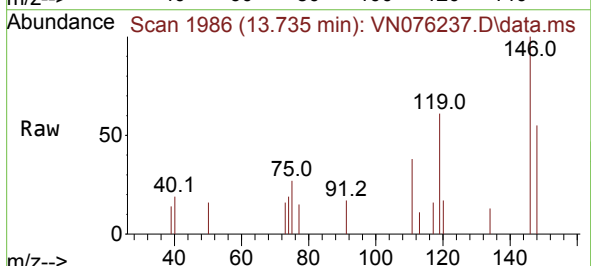
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0113MBL01

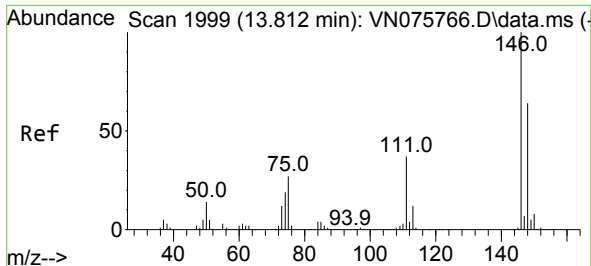
Tgt Ion: 75 Resp: 93644
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.8 110.6#
 89 0.0 39.5 59.3#



#87
 1,3-Dichlorobenzene
 Concen: 0.407 ug/l
 RT: 13.735 min Scan# 1986
 Delta R.T. -0.000 min
 Lab File: VN076237.D
 Acq: 13 Jan 2023 10:28

Tgt Ion:146 Resp: 2338
 Ion Ratio Lower Upper
 146 100
 111 41.4 19.7 59.0
 148 58.5 31.4 94.2



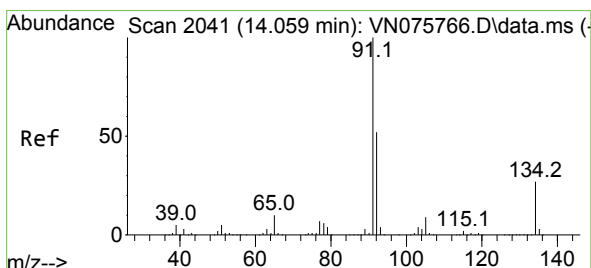
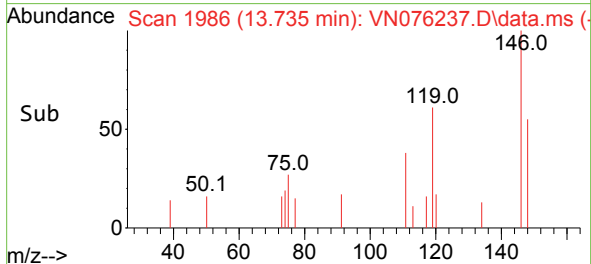
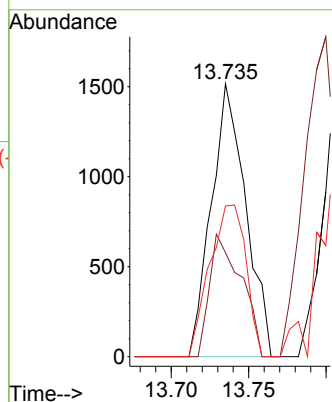
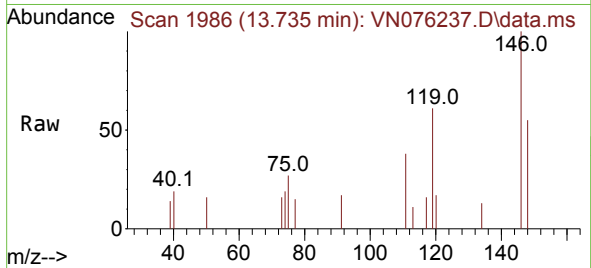


#88
 1,4-Dichlorobenzene
 Concen: 0.398 ug/l
 RT: 13.735 min Scan# 1999
 Delta R.T. -0.077 min
 Lab File: VN076237.D
 Acq: 13 Jan 2023 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0113MBL01

Tgt Ion:146 Resp: 2338

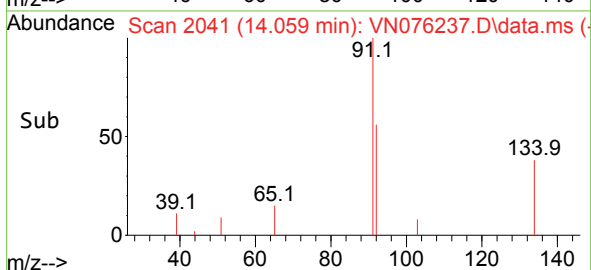
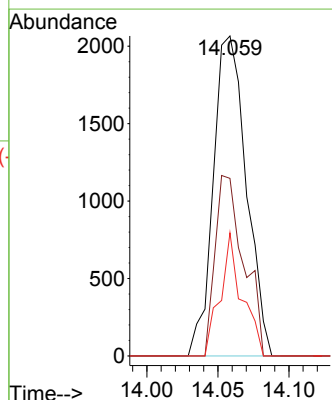
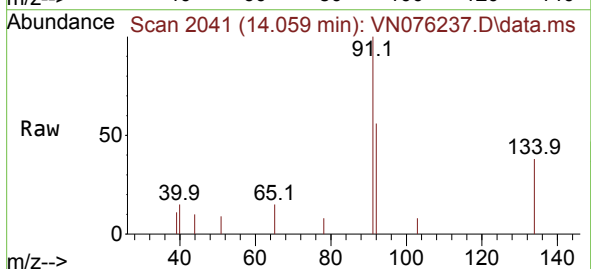
Ion	Ratio	Lower	Upper
146	100		
111	41.4	19.1	57.1
148	58.5	32.0	96.2

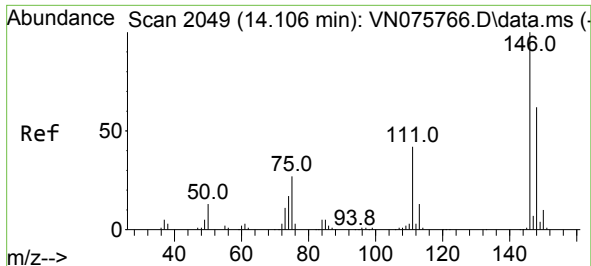


#89
 n-Butylbenzene
 Concen: 0.396 ug/l
 RT: 14.059 min Scan# 2041
 Delta R.T. -0.000 min
 Lab File: VN076237.D
 Acq: 13 Jan 2023 10:28

Tgt Ion: 91 Resp: 3342

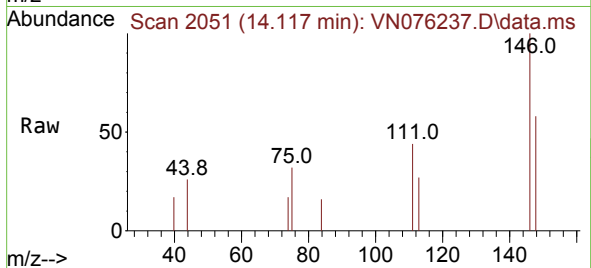
Ion	Ratio	Lower	Upper
91	100		
92	48.8	26.4	79.2
134	25.4	13.4	40.2



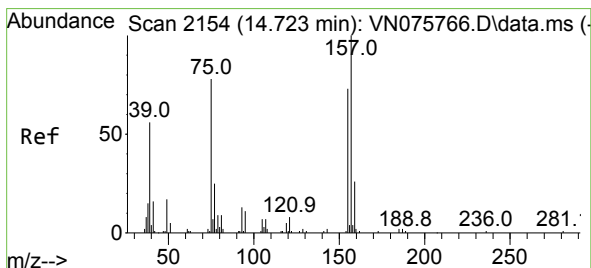
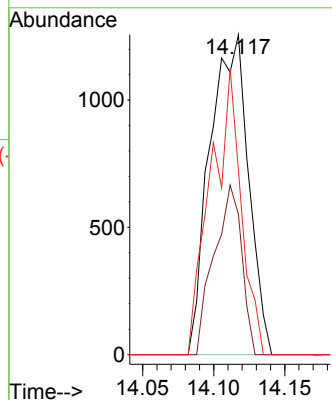
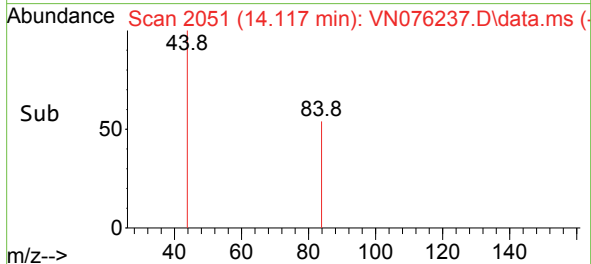


#91
1,2-Dichlorobenzene
Concen: 0.419 ug/l
RT: 14.117 min Scan# 2051
Delta R.T. 0.012 min
Lab File: VN076237.D
Acq: 13 Jan 2023 10:28

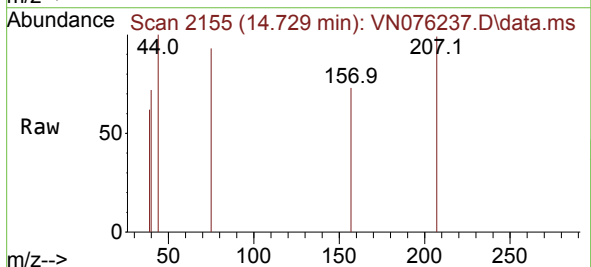
Instrument :
MSVOA_N
ClientSampleId :
VN0113MBL01



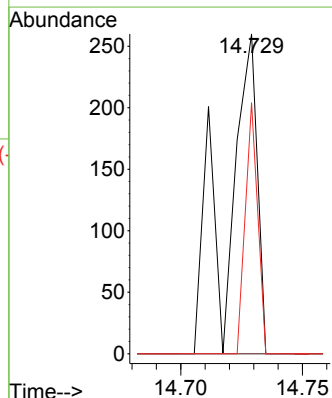
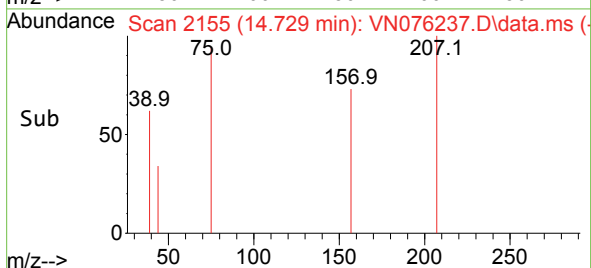
Tgt Ion:146 Resp: 2373
Ion Ratio Lower Upper
146 100
111 37.8 20.3 61.0
148 70.6 31.7 95.1

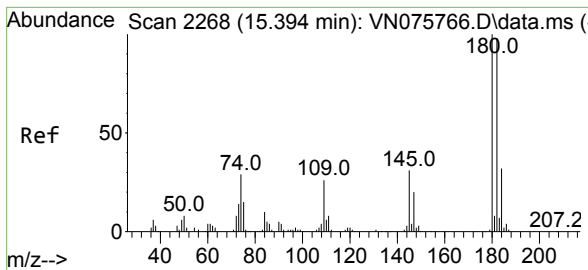


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.332 ug/l
RT: 14.729 min Scan# 2155
Delta R.T. 0.006 min
Lab File: VN076237.D
Acq: 13 Jan 2023 10:28



Tgt Ion: 75 Resp: 224
Ion Ratio Lower Upper
75 100
155 0.0 49.3 147.8#
157 32.1 63.7 191.3#

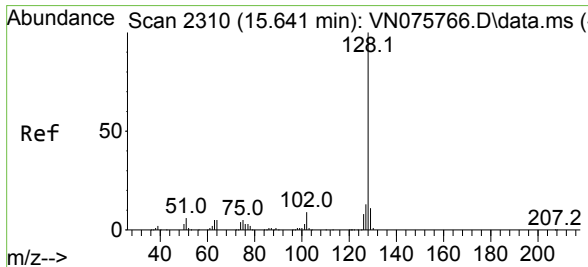
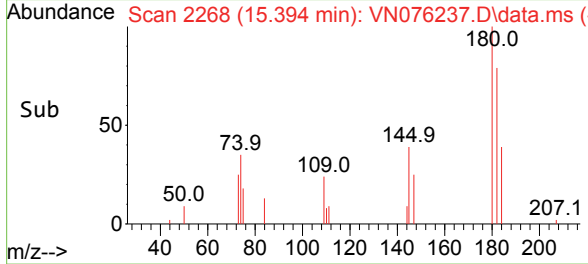
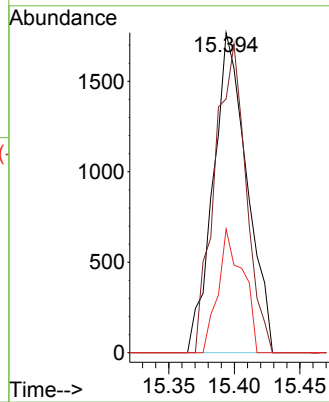
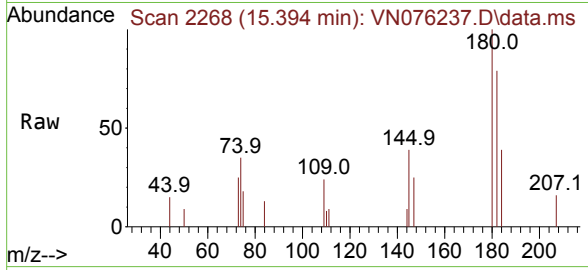




#93
 1,2,4-Trichlorobenzene
 Concen: 1.128 ug/l
 RT: 15.394 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN076237.D
 Acq: 13 Jan 2023 10:28

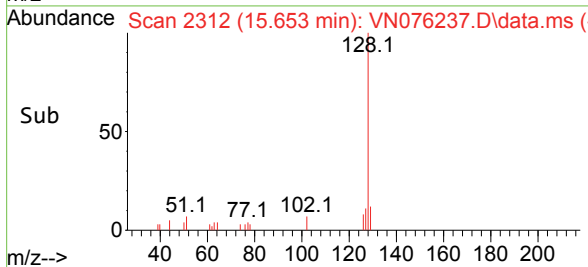
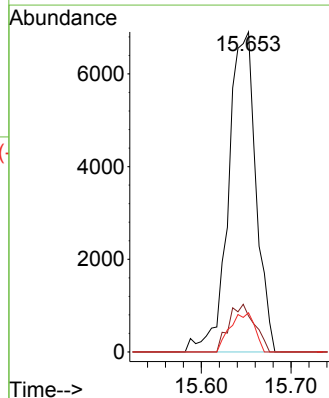
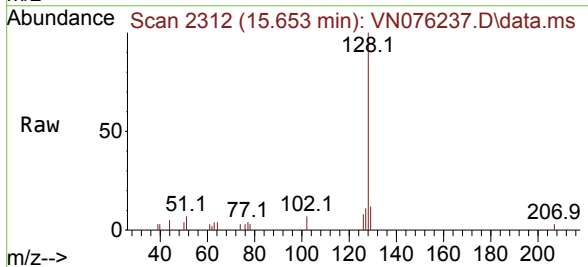
Instrument :
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 ClientSampleId :
 VN0113MBL01

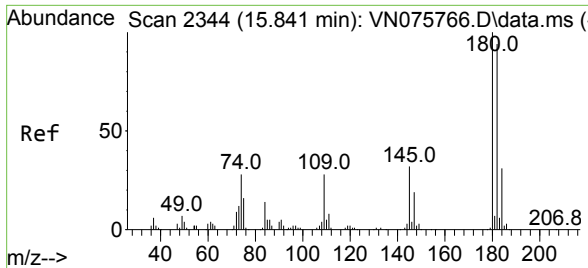
Tgt Ion:180	Resp:	3162
Ion Ratio	Lower	Upper
180	100	
182	89.6	47.5 142.5
145	28.5	15.3 45.8



#95
 Naphthalene
 Concen: 3.695 ug/l
 RT: 15.653 min Scan# 2312
 Delta R.T. 0.012 min
 Lab File: VN076237.D
 Acq: 13 Jan 2023 10:28

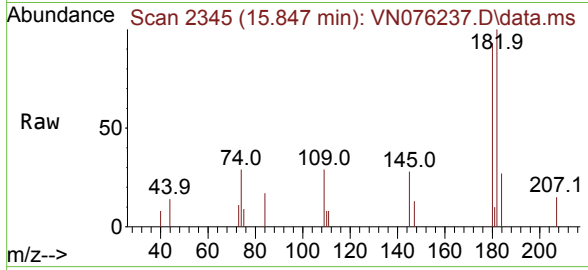
Tgt Ion:128	Resp:	14691
Ion Ratio	Lower	Upper
128	100	
127	13.9	10.4 15.6
129	11.1	8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 1.465 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN076237.D
 Acq: 13 Jan 2023 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0113MBL01



Tgt Ion:	180	Resp:	3836
Ion Ratio	Lower	Upper	
180	100		
182	98.0	47.0	141.0
145	26.7	16.0	47.9

