

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020223\
 Data File : VN076503.D
 Acq On : 02 Feb 2023 11:23
 Operator : JC\MD
 Sample : VN0202MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0202MBL01

Quant Time: Feb 03 00:54:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

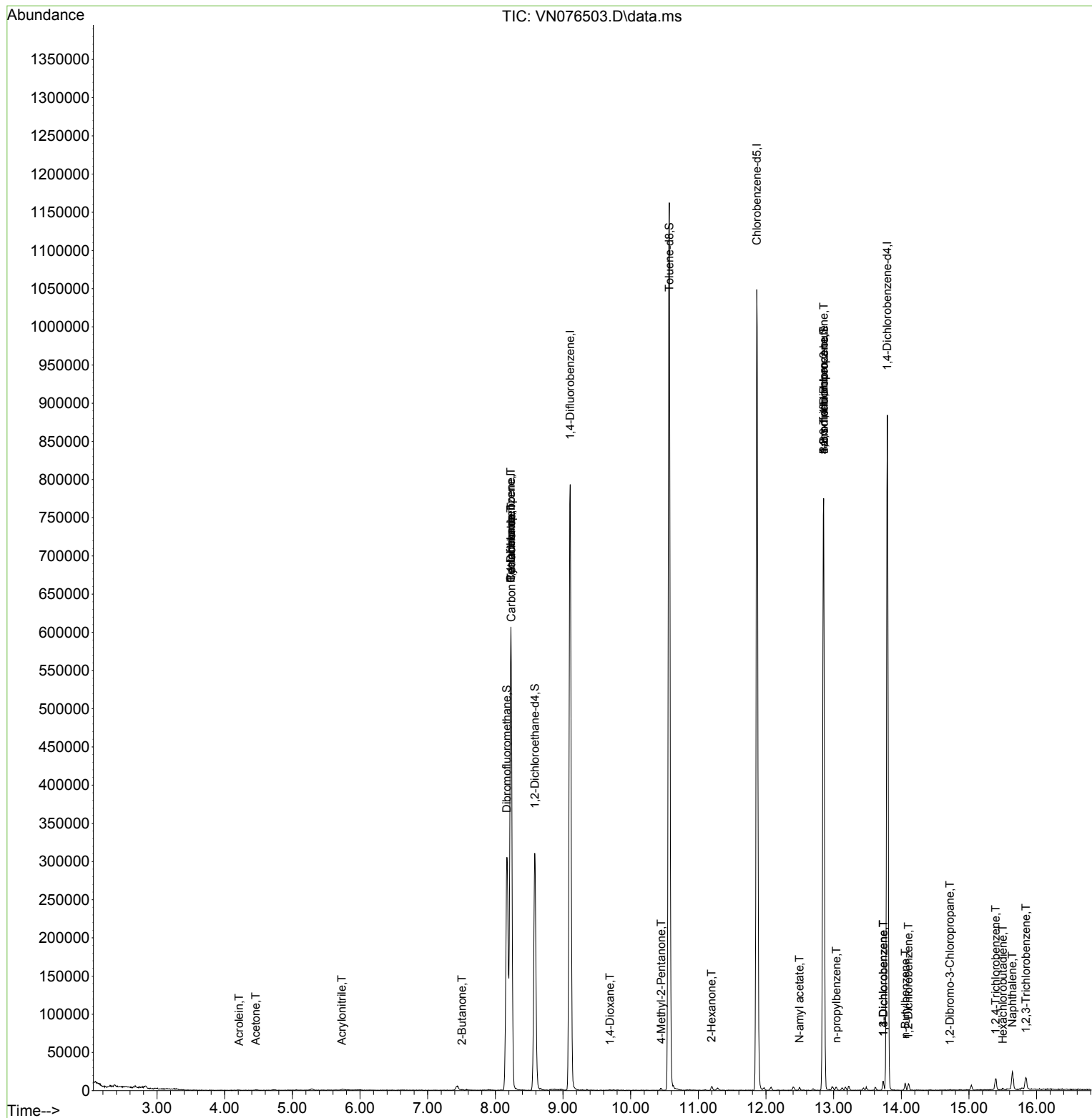
Internal Standards						
1) Pentafluorobenzene	8.229	168	443224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	727195	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	626960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	245425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	261651	52.723	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.440%			
35) Dibromofluoromethane	8.171	113	224759	49.409	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.820%			
50) Toluene-d8	10.570	98	836138	49.771	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.540%			
62) 4-Bromofluorobenzene	12.853	95	269236	49.092	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.180%			
Target Compounds					Qvalue	
13) Acrolein	4.212	56	802	1.010	ug/l #	41
15) Acrylonitrile	5.730	53	1453	0.769	ug/l #	78
16) Acetone	4.459	43	1062	0.594	ug/l #	83
20) Methylene Chloride	5.294	84	1612	Below Cal	#	83
25) 2-Butanone	7.506	43	728	0.300	ug/l #	40
31) Cyclohexane	8.229	56	9284	1.218	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	34232	5.296	ug/l #	48
38) Carbon Tetrachloride	8.235	117	45457	6.306	ug/l #	17
49) 1,4-Dioxane	9.694	88	55	0.653	ug/l #	31
51) 4-Methyl-2-Pentanone	10.453	43	1722	0.348	ug/l	96
59) 2-Hexanone	11.194	43	3734	1.041	ug/l	94
71) Bromoform	12.853	173	1817	0.510	ug/l #	1
74) N-amyl acetate	12.494	43	2047	0.375	ug/l #	86
76) 1,2,3-Trichloropropane	12.853	75	140360	31.034	ug/l #	1
77) Bromobenzene	12.976	156	1266	Below Cal		96
78) n-propylbenzene	13.041	91	4741	0.221	ug/l	89
81) trans-1,4-Dichloro-2-b...	12.853	75	140360	95.155	ug/l #	11
87) 1,3-Dichlorobenzene	13.735	146	3719	0.416	ug/l	93
88) 1,4-Dichlorobenzene	13.735	146	3719	0.537	ug/l	92
89) n-Butylbenzene	14.059	91	5549	0.433	ug/l	92
91) 1,2-Dichlorobenzene	14.106	146	4141	0.465	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	318	0.335	ug/l #	37
93) 1,2,4-Trichlorobenzene	15.394	180	5552	2.561	ug/l	89
94) Hexachlorobutadiene	15.500	225	510	0.216	ug/l	95
95) Naphthalene	15.641	128	23145	3.587	ug/l	96
96) 1,2,3-Trichlorobenzene	15.841	180	7128	2.850	ug/l	98

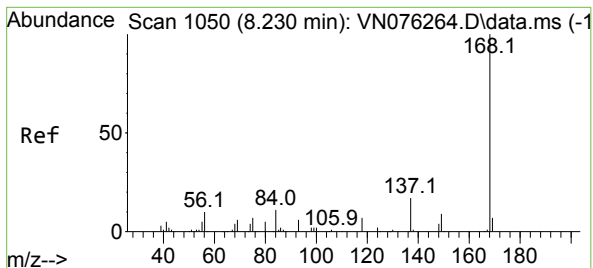
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 17 03:59:22 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN076503.D

Acq: 02 Feb 2023 11:23

Instrument :

MSVOA_N

ClientSampleId :

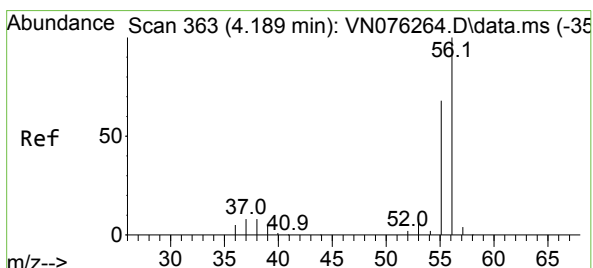
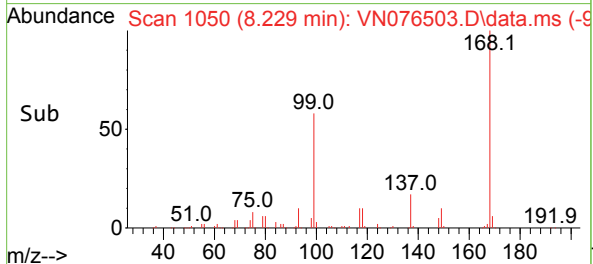
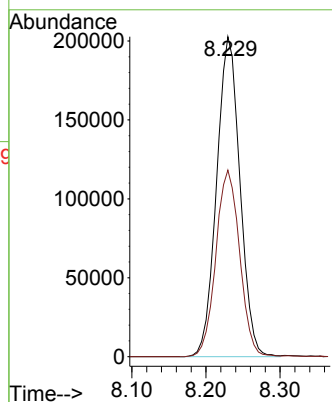
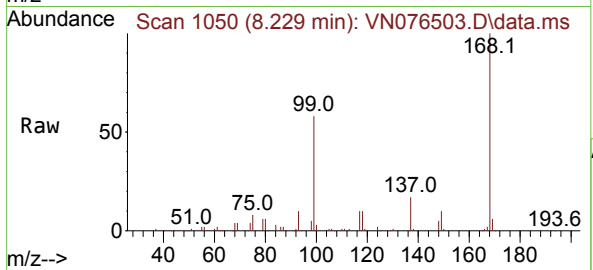
VN0202MBL01

Tgt Ion:168 Resp: 443224

Ion Ratio Lower Upper

168 100

99 58.3 41.6 62.4



#13

Acrolein

Concen: 1.010 ug/l

RT: 4.212 min Scan# 367

Delta R.T. 0.023 min

Lab File: VN076503.D

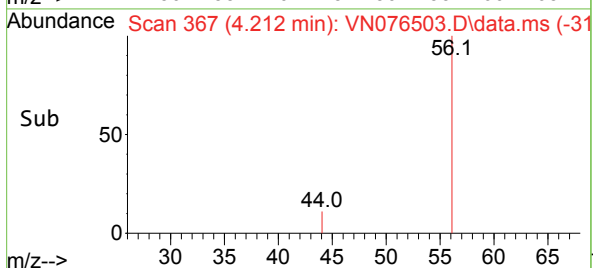
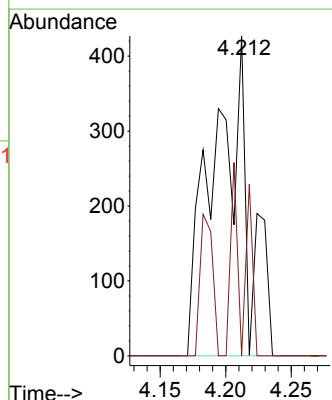
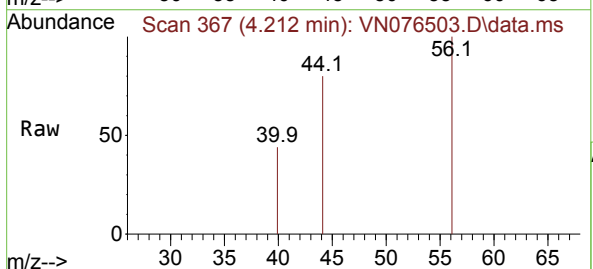
Acq: 02 Feb 2023 11:23

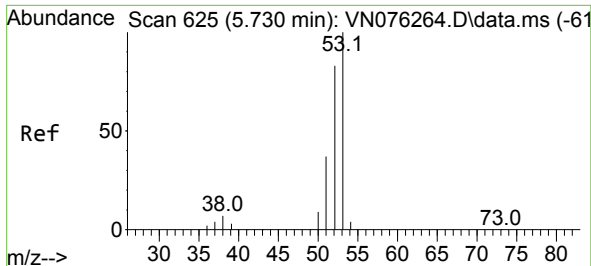
Tgt Ion: 56 Resp: 802

Ion Ratio Lower Upper

56 100

55 21.4 55.8 83.6#

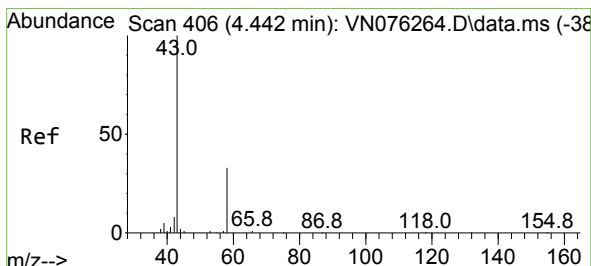
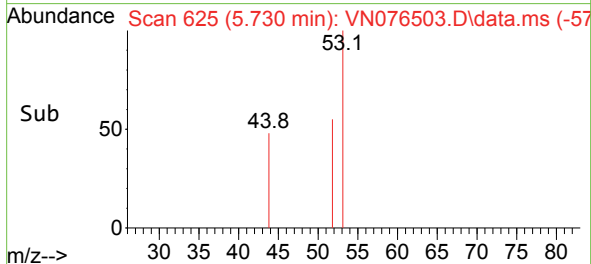
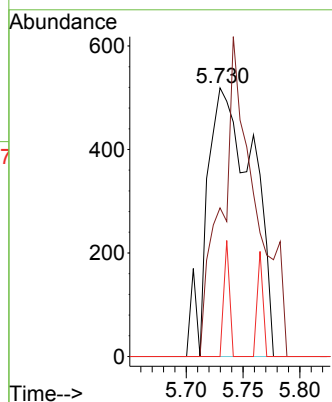
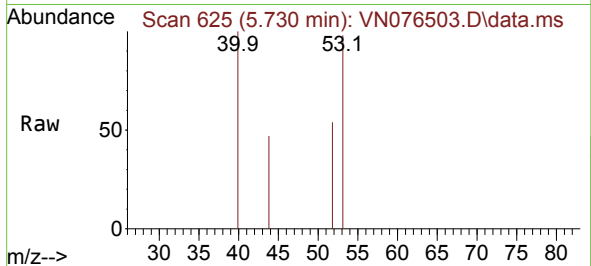




#15
 Acrylonitrile
 Concen: 0.769 ug/l
 RT: 5.730 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VN076503.D
 Acq: 02 Feb 2023 11:23

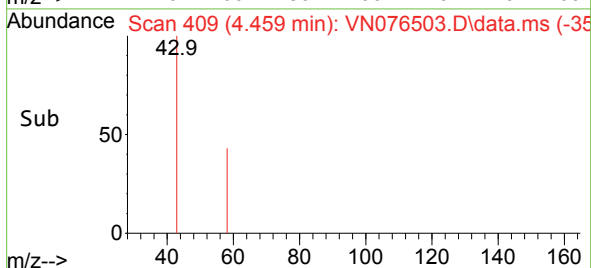
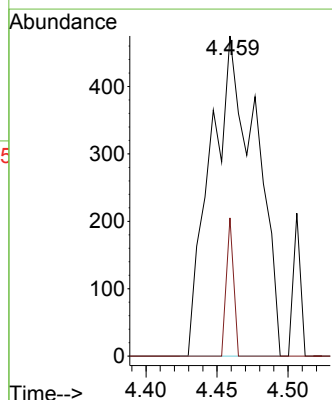
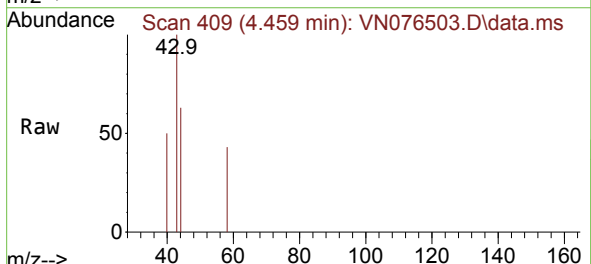
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0202MBL01

Tgt Ion:	53	Resp:	1453
Ion	Ratio	Lower	Upper
53	100		
52	88.1	64.7	97.1
51	5.4	29.2	43.8#



#16
 Acetone
 Concen: 0.594 ug/l
 RT: 4.459 min Scan# 409
 Delta R.T. 0.017 min
 Lab File: VN076503.D
 Acq: 02 Feb 2023 11:23

Tgt Ion:	43	Resp:	1062
Ion	Ratio	Lower	Upper
43	100		
58	43.2	26.7	40.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.294 min Scan# 51

Delta R.T. 0.005 min

Lab File: VN076503.D

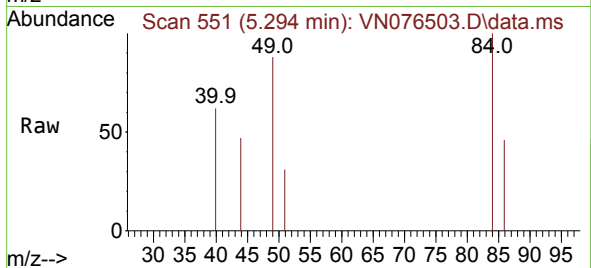
Acq: 02 Feb 2023 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0202MBL01



Tgt Ion: 84 Resp: 1612

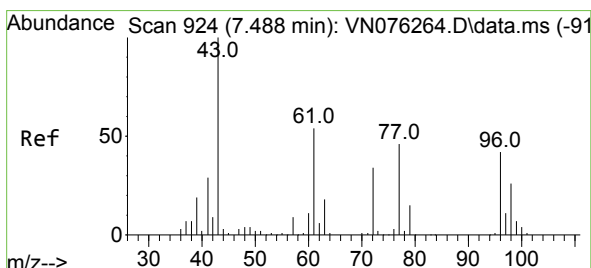
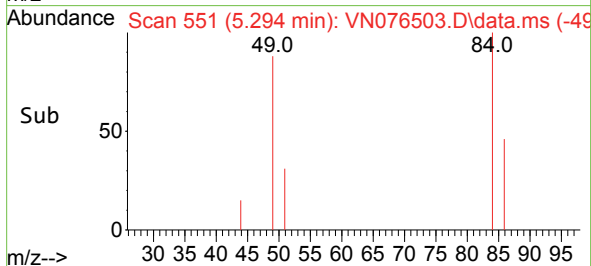
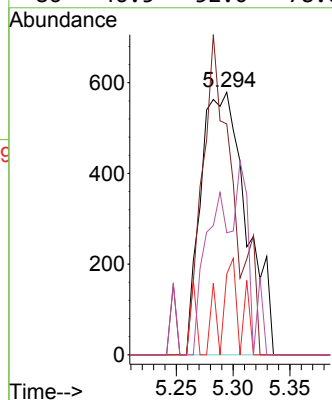
Ion Ratio Lower Upper

84 100

49 87.9 84.5 126.7

51 30.7 26.0 39.0

86 46.5 52.0 78.0#



#25

2-Butanone

Concen: 0.300 ug/l

RT: 7.506 min Scan# 927

Delta R.T. 0.018 min

Lab File: VN076503.D

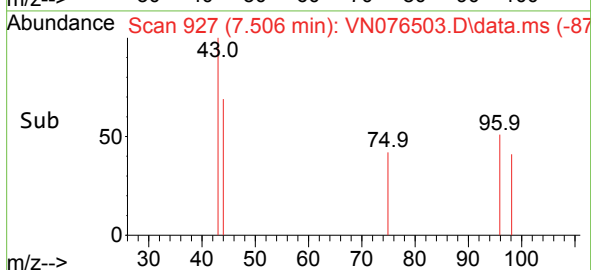
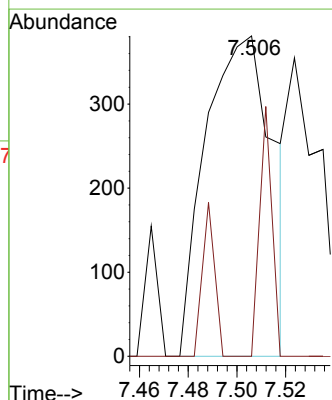
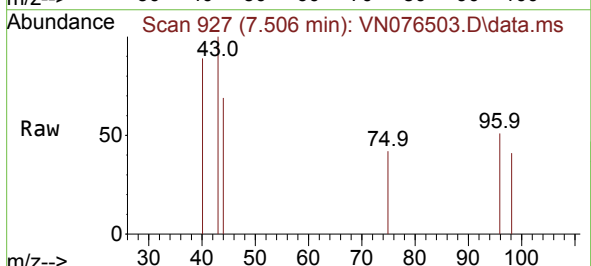
Acq: 02 Feb 2023 11:23

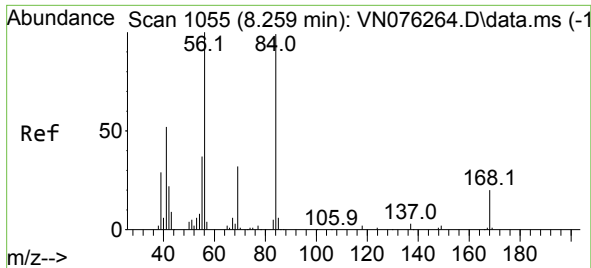
Tgt Ion: 43 Resp: 728

Ion Ratio Lower Upper

43 100

72 0.0 27.4 41.2#

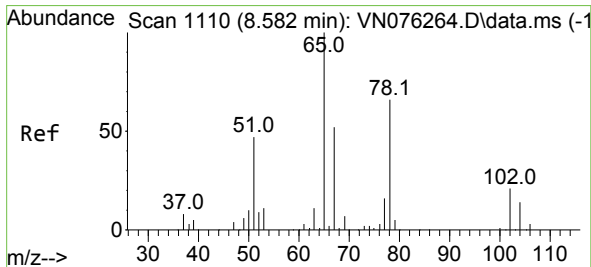
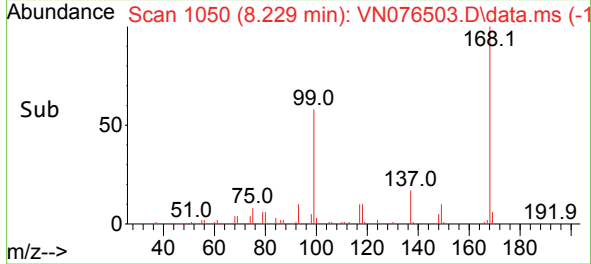
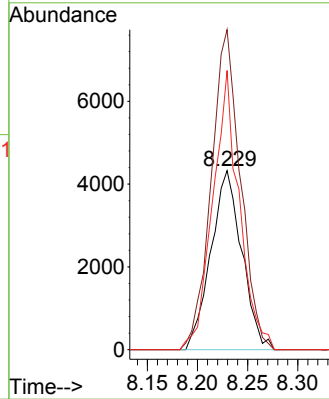
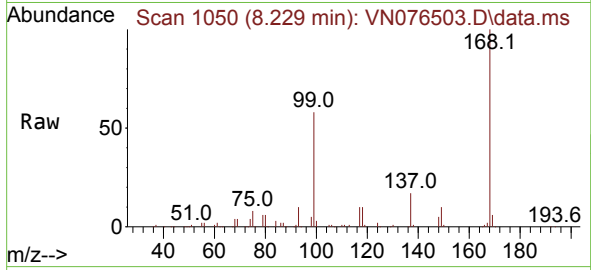




#31
Cyclohexane
Concen: 1.218 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.030 min
Lab File: VN076503.D
Acq: 02 Feb 2023 11:23

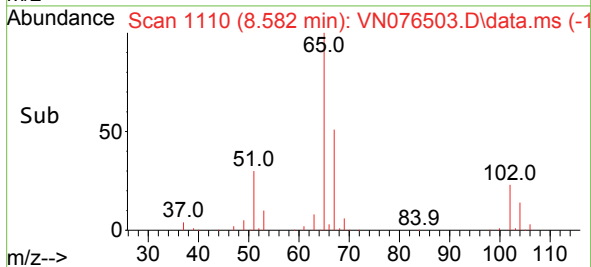
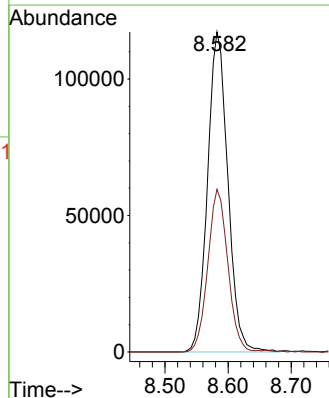
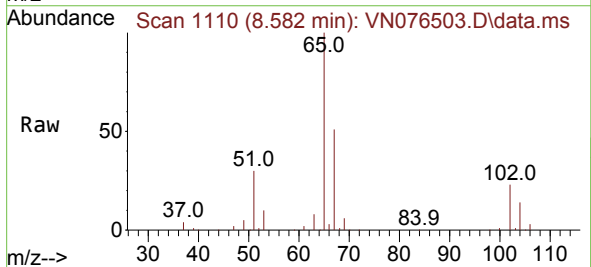
Instrument :
MSVOA_N
ClientSampleId :
VN0202MBL01

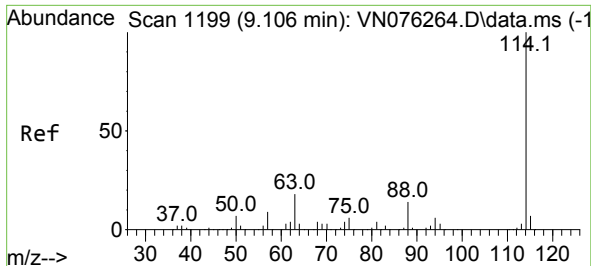
Tgt Ion: 56 Resp: 9284
Ion Ratio Lower Upper
56 100
69 178.8 25.8 38.8#
84 156.0 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 52.723 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN076503.D
Acq: 02 Feb 2023 11:23

Tgt Ion: 65 Resp: 261651
Ion Ratio Lower Upper
65 100
67 49.9 0.0 104.6

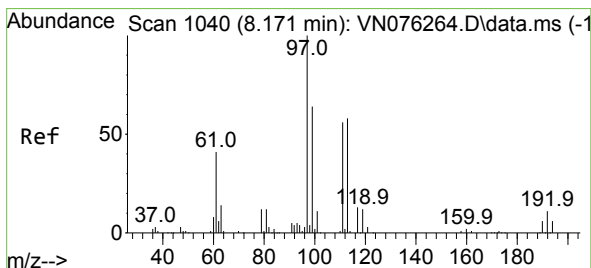
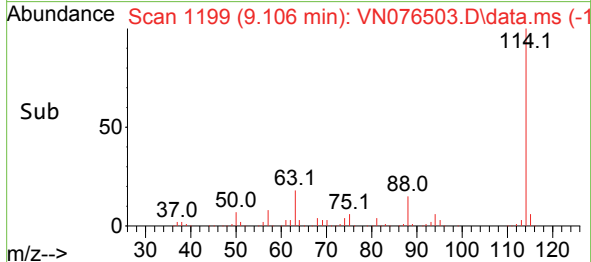
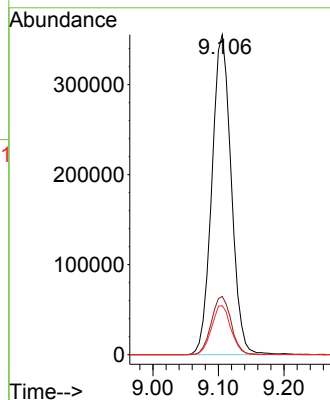
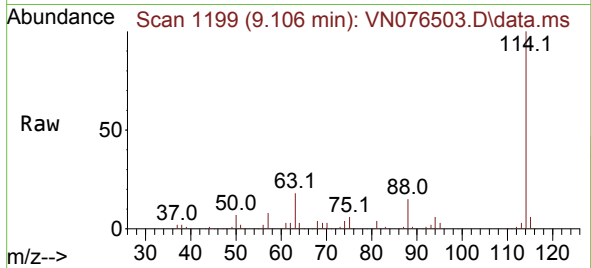




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN076503.D
Acq: 02 Feb 2023 11:23

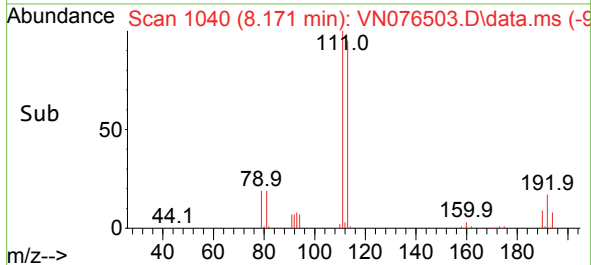
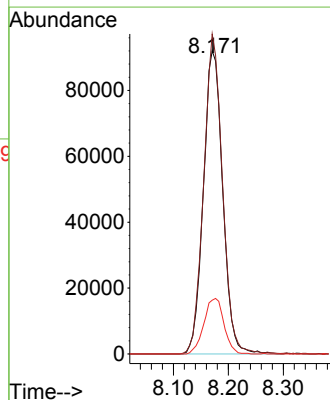
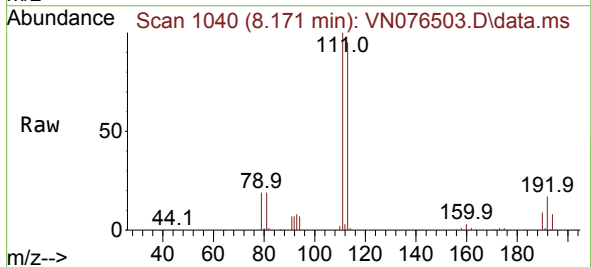
Instrument :
MSVOA_N
ClientSampleId :
VN0202MBL01

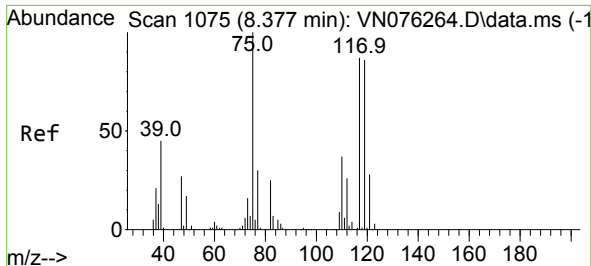
Tgt Ion:114 Resp: 727195
Ion Ratio Lower Upper
114 100
63 18.2 0.0 35.8
88 15.3 0.0 28.0



#35
Dibromofluoromethane
Concen: 49.409 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN076503.D
Acq: 02 Feb 2023 11:23

Tgt Ion:113 Resp: 224759
Ion Ratio Lower Upper
113 100
111 102.4 82.7 124.1
192 19.0 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.296 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.148 min

Lab File: VN076503.D

Acq: 02 Feb 2023 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0202MBL01

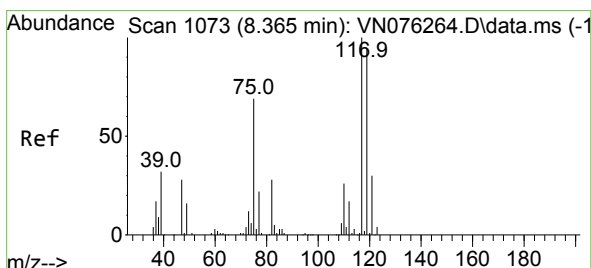
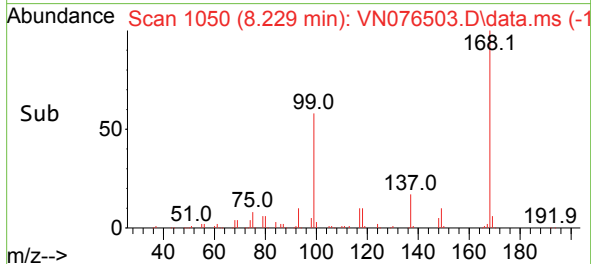
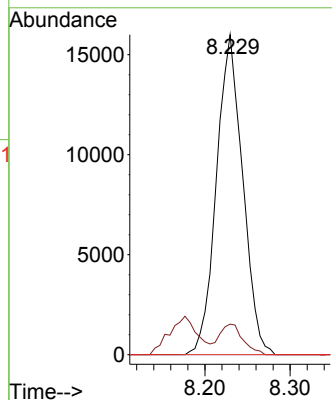
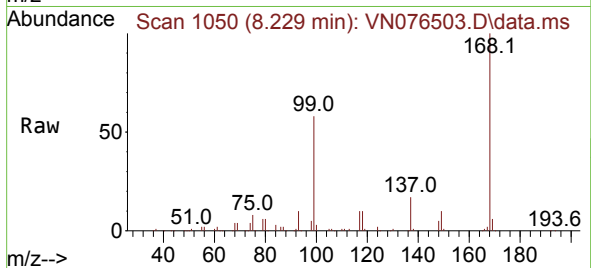
Tgt Ion: 75 Resp: 34232

Ion Ratio Lower Upper

75 100

110 8.7 18.8 56.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.306 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.130 min

Lab File: VN076503.D

Acq: 02 Feb 2023 11:23

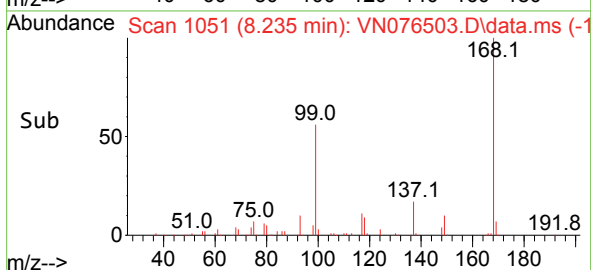
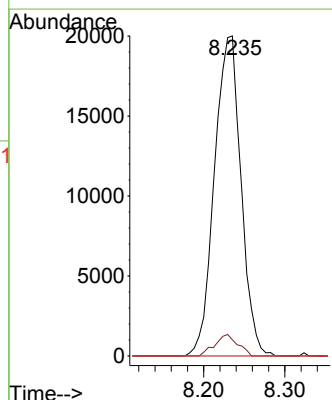
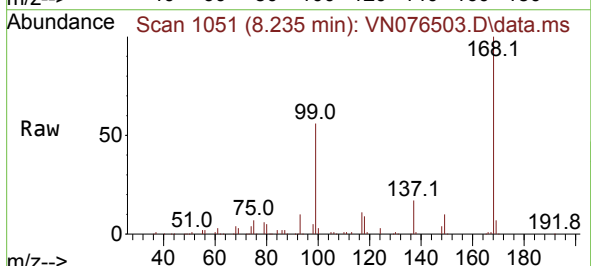
Tgt Ion: 117 Resp: 45457

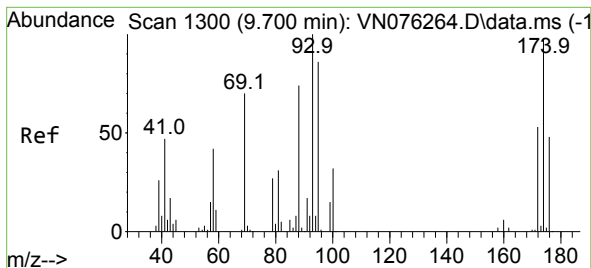
Ion Ratio Lower Upper

117 100

119 5.1 75.4 113.0#

121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 0.653 ug/l

RT: 9.694 min Scan# 1299

Delta R.T. -0.006 min

Lab File: VN076503.D

Acq: 02 Feb 2023 11:23

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VN0202MBL01

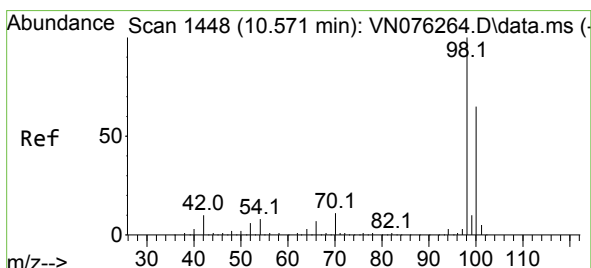
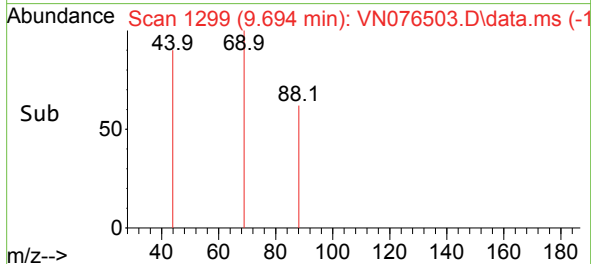
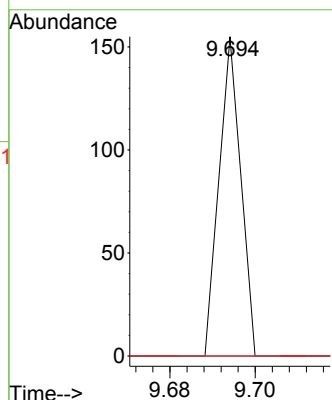
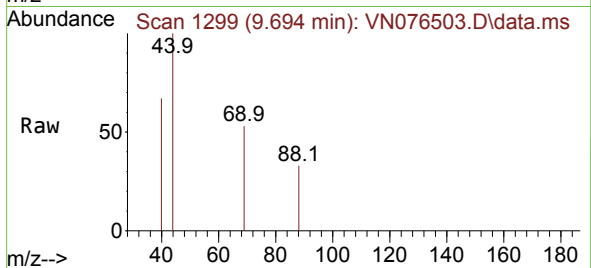
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 0.0 18.1 27.1#

58 0.0 46.5 69.7#



#50

Toluene-d8

Concen: 49.771 ug/l

RT: 10.570 min Scan# 1448

Delta R.T. -0.001 min

Lab File: VN076503.D

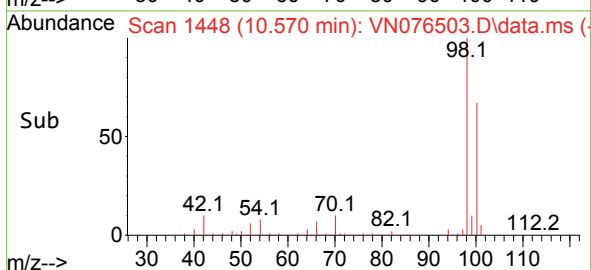
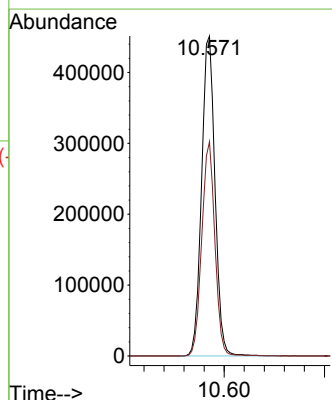
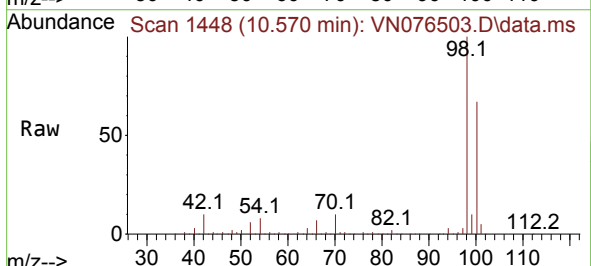
Acq: 02 Feb 2023 11:23

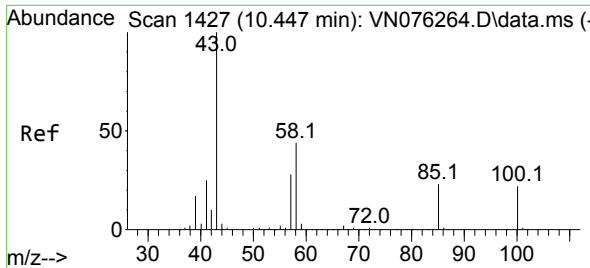
Tgt Ion: 98 Resp: 836138

Ion Ratio Lower Upper

98 100

100 65.7 52.2 78.4

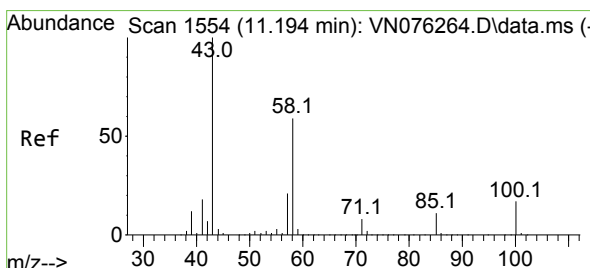
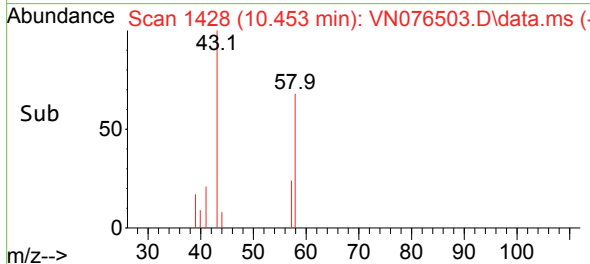
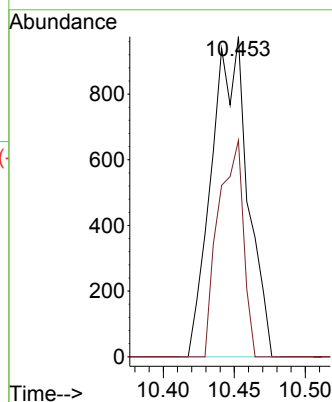
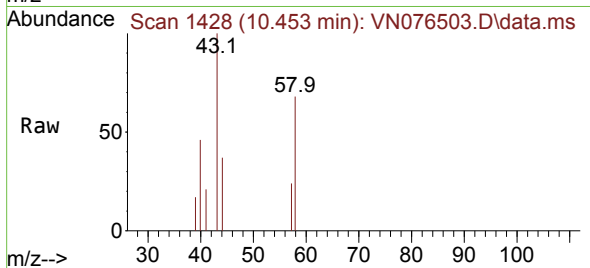




#51
4-Methyl-2-Pentanone
Concen: 0.348 ug/l
RT: 10.453 min Scan# 1427
Delta R.T. 0.006 min
Lab File: VN076503.D
Acq: 02 Feb 2023 11:23

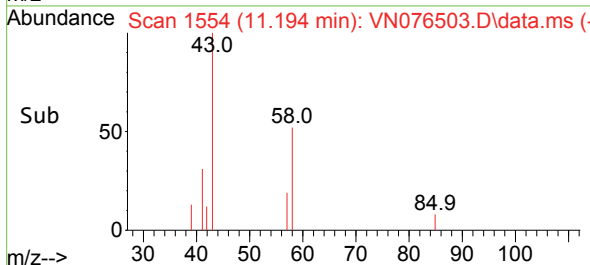
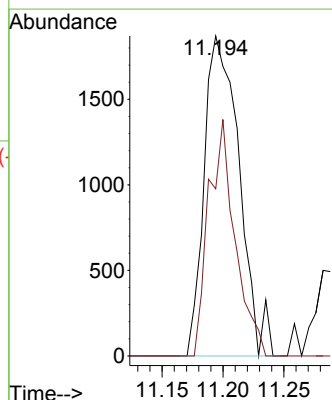
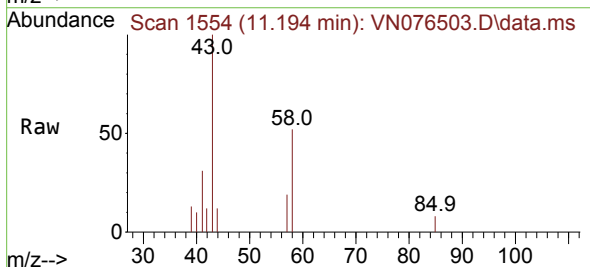
Instrument :
MSVOA_N
ClientSampleId :
VN0202MBL01

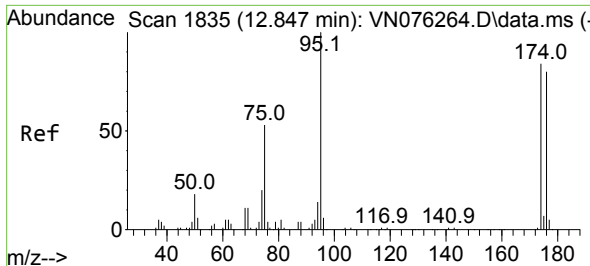
Tgt Ion: 43 Resp: 1722
Ion Ratio Lower Upper
43 100
58 46.7 35.1 52.7



#59
2-Hexanone
Concen: 1.041 ug/l
RT: 11.194 min Scan# 1554
Delta R.T. 0.000 min
Lab File: VN076503.D
Acq: 02 Feb 2023 11:23

Tgt Ion: 43 Resp: 3734
Ion Ratio Lower Upper
43 100
58 56.0 30.1 90.3

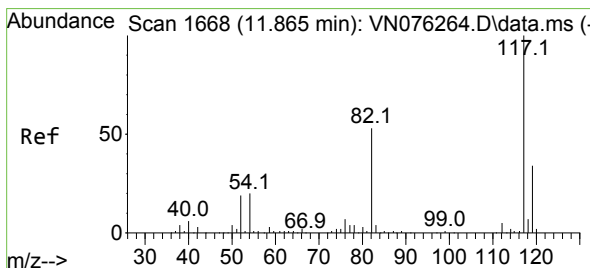
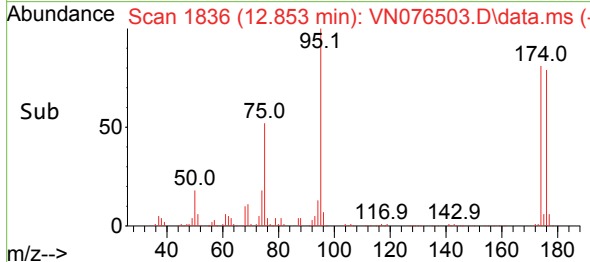
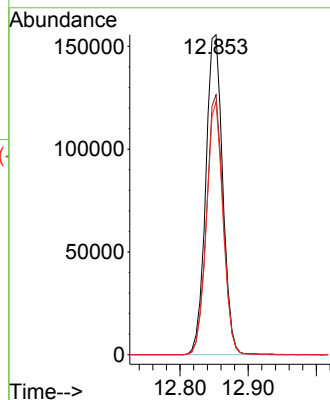
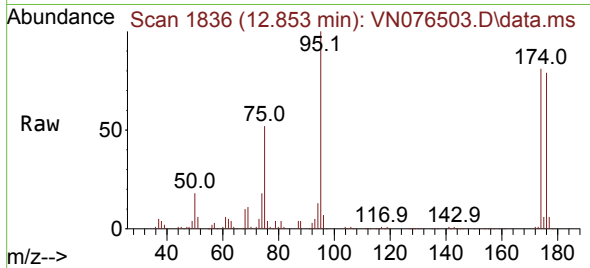




#62
4-Bromofluorobenzene
Concen: 49.092 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076503.D
Acq: 02 Feb 2023 11:23

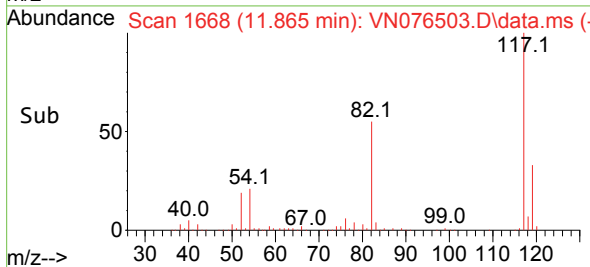
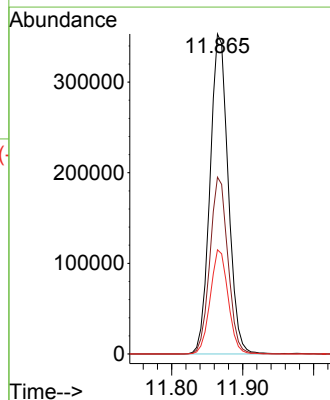
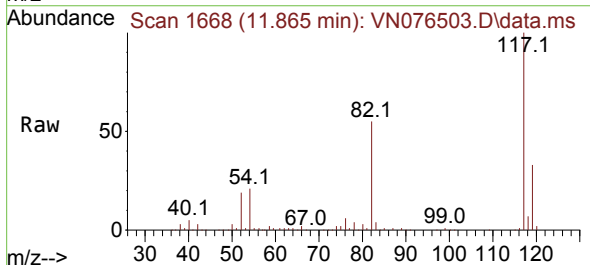
Instrument :
MSVOA_N
ClientSampleId :
VN0202MBL01

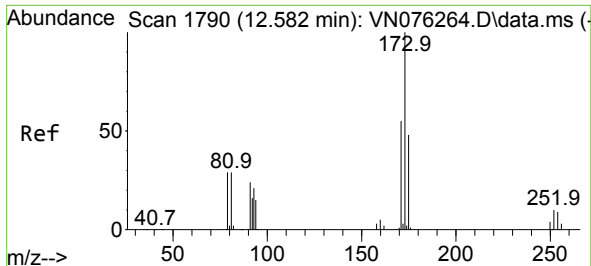
Tgt Ion: 95 Resp: 269236
Ion Ratio Lower Upper
95 100
174 80.1 0.0 174.6
176 76.8 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN076503.D
Acq: 02 Feb 2023 11:23

Tgt Ion: 117 Resp: 626960
Ion Ratio Lower Upper
117 100
82 55.3 42.2 63.2
119 32.6 26.9 40.3

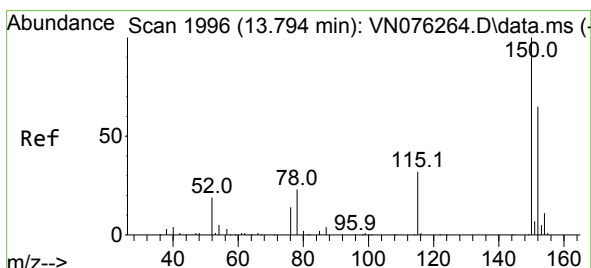
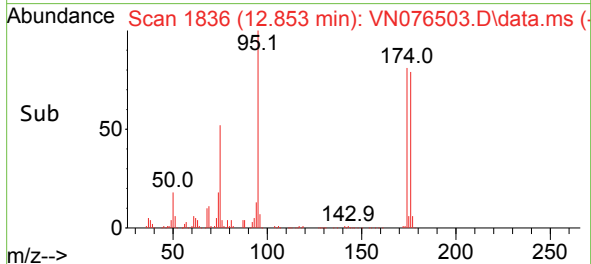
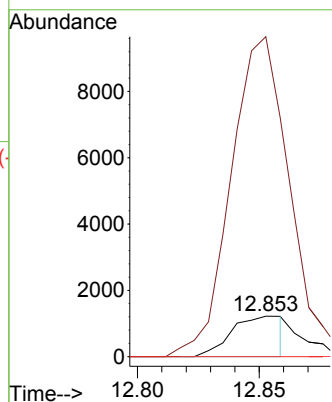
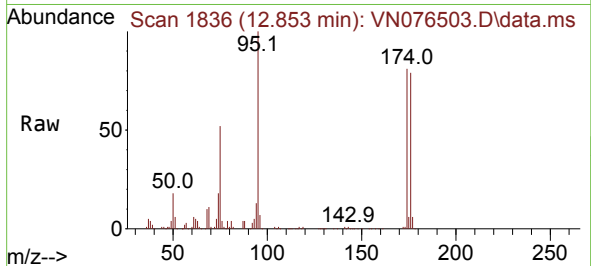




#71
Bromoform
Concen: 0.510 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076503.D
Acq: 02 Feb 2023 11:23

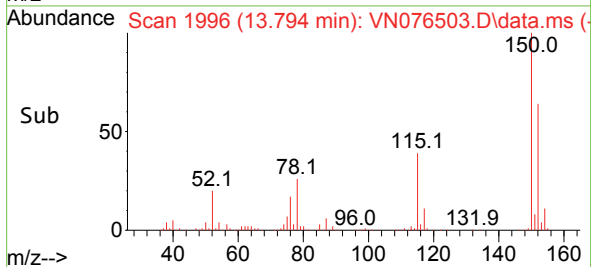
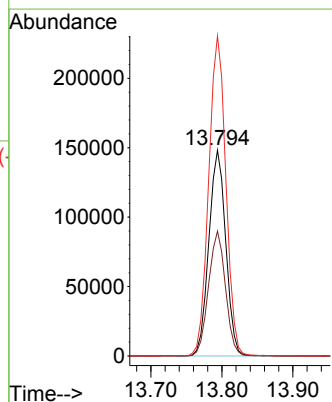
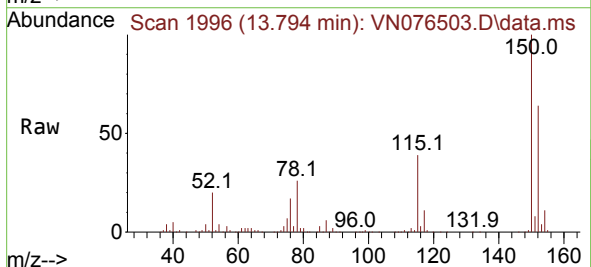
Instrument :
MSVOA_N
ClientSampleId :
VN0202MBL01

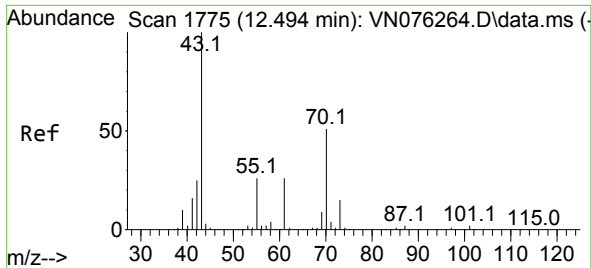
Tgt Ion:173 Resp: 1817
Ion Ratio Lower Upper
173 100
175 746.6 24.1 72.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076503.D
Acq: 02 Feb 2023 11:23

Tgt Ion:152 Resp: 245425
Ion Ratio Lower Upper
152 100
115 60.8 29.6 88.9
150 157.9 0.0 351.4

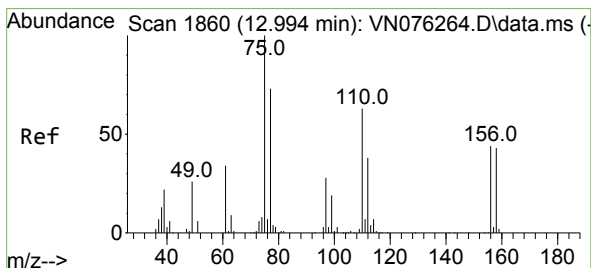
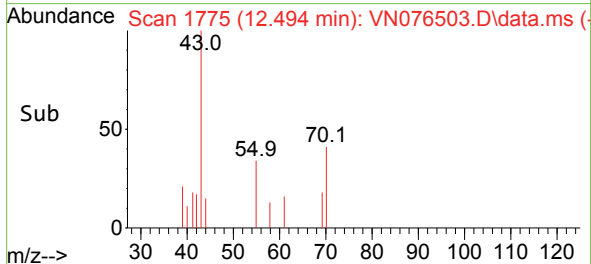
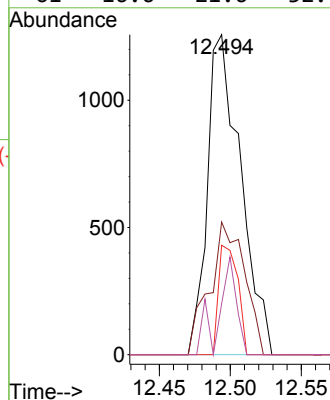
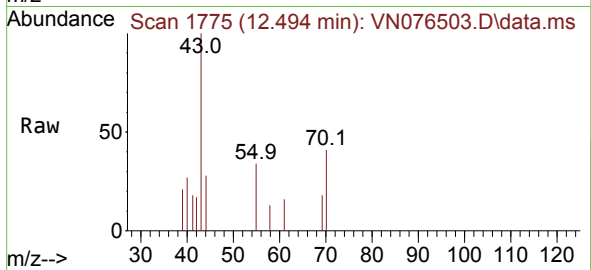




#74
N-amy1 acetate
Concen: 0.375 ug/l
RT: 12.494 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN076503.D
Acq: 02 Feb 2023 11:23

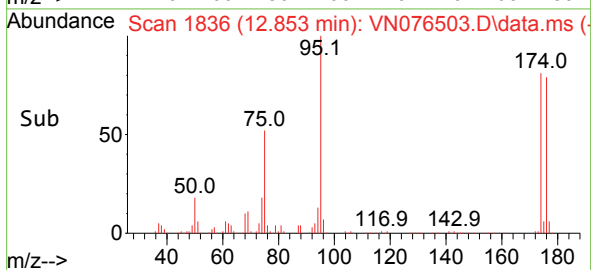
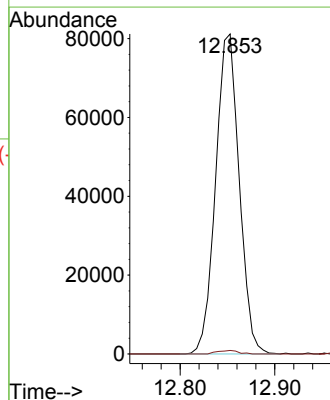
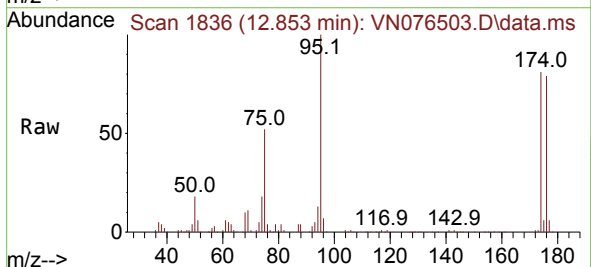
Instrument :
MSVOA_N
ClientSampleId :
VN0202MBL01

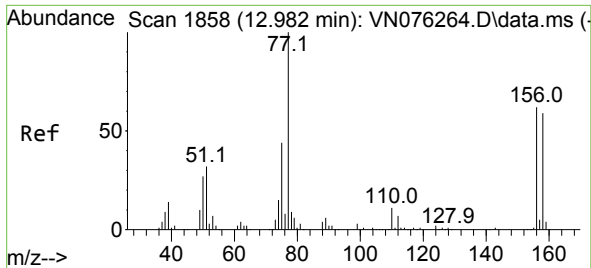
Tgt Ion: 43	Resp: 2047
Ion Ratio	Lower Upper
43 100	
70 43.6	41.2 61.8
55 19.6	21.0 31.6#
61 16.6	21.6 32.4#



#76
1,2,3-Trichloropropane
Concen: 31.034 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076503.D
Acq: 02 Feb 2023 11:23

Tgt Ion: 75	Resp: 140360
Ion Ratio	Lower Upper
75 100	
77 1.0	75.2 225.6#

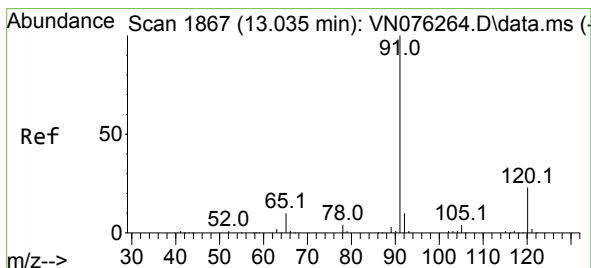
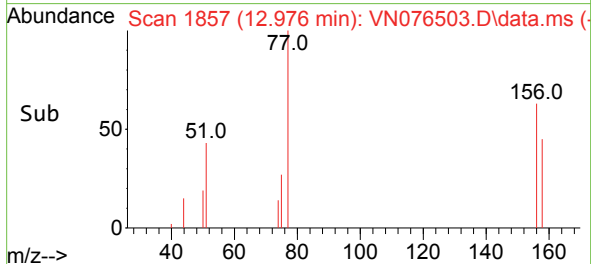
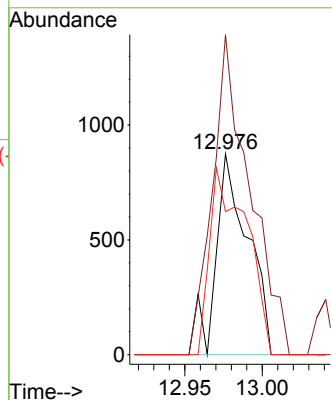
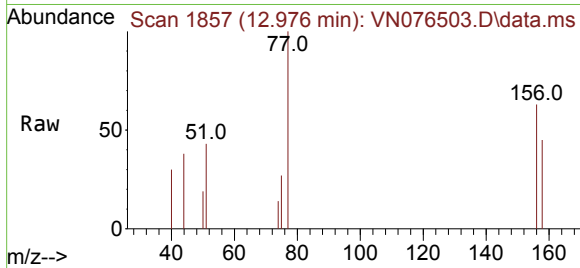




#77
Bromobenzene
Concen: Below Cal
RT: 12.976 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VN076503.D
Acq: 02 Feb 2023 11:23

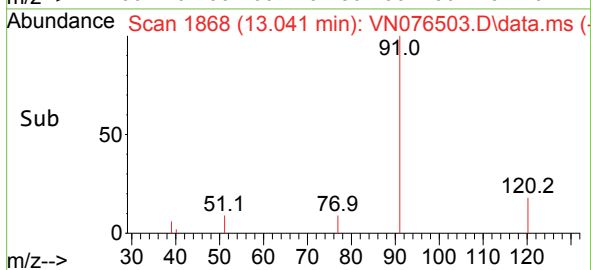
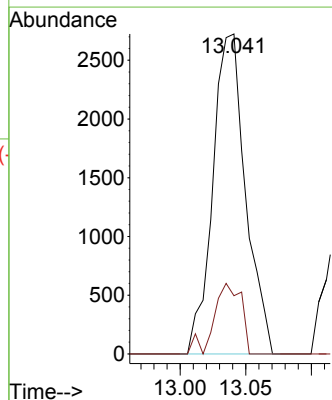
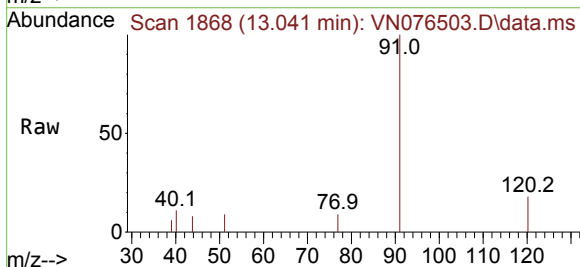
Instrument :
MSVOA_N
ClientSampleId :
VN0202MBL01

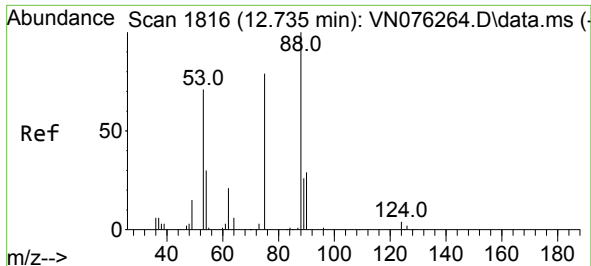
Tgt Ion:156 Resp: 1266
Ion Ratio Lower Upper
156 100
77 184.6 93.4 280.2
158 106.5 48.4 145.2



#78
n-propylbenzene
Concen: 0.221 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VN076503.D
Acq: 02 Feb 2023 11:23

Tgt Ion: 91 Resp: 4741
Ion Ratio Lower Upper
91 100
120 18.2 11.9 35.5

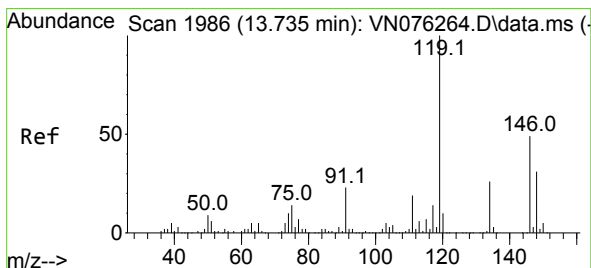
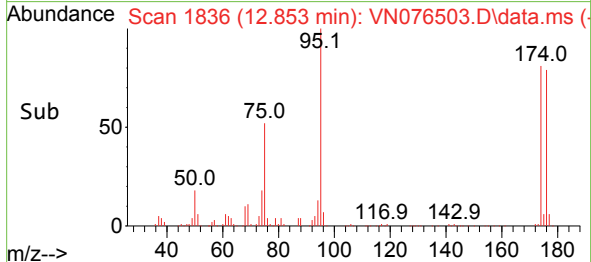
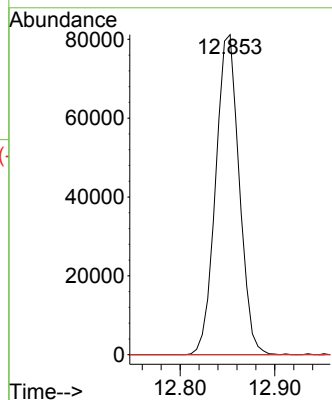
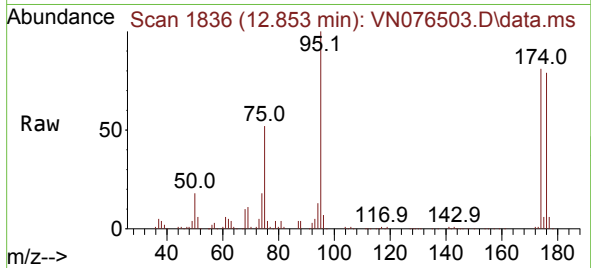




#81
trans-1,4-Dichloro-2-butene
Concen: 95.155 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076503.D
Acq: 02 Feb 2023 11:23

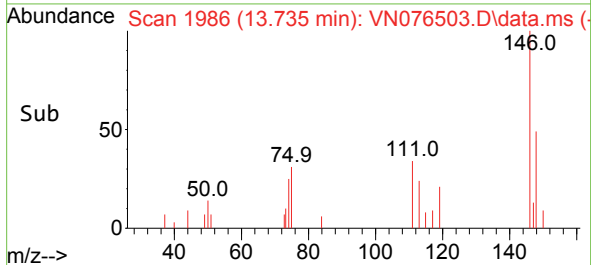
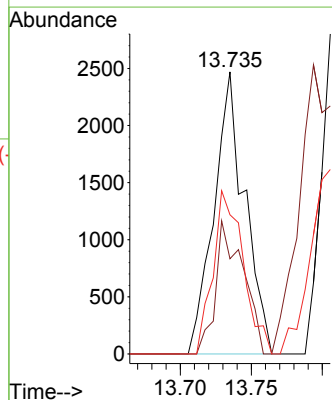
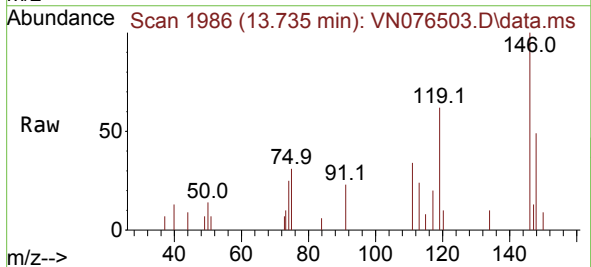
Instrument :
MSVOA_N
ClientSampleId :
VN0202MBL01

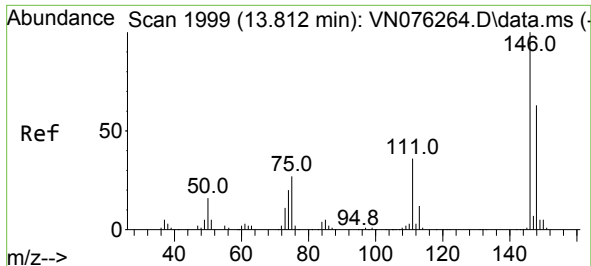
Tgt Ion: 75 Resp: 140360
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#



#87
1,3-Dichlorobenzene
Concen: 0.416 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN076503.D
Acq: 02 Feb 2023 11:23

Tgt Ion: 146 Resp: 3719
Ion Ratio Lower Upper
146 100
111 42.2 19.9 59.7
148 56.7 31.6 94.8

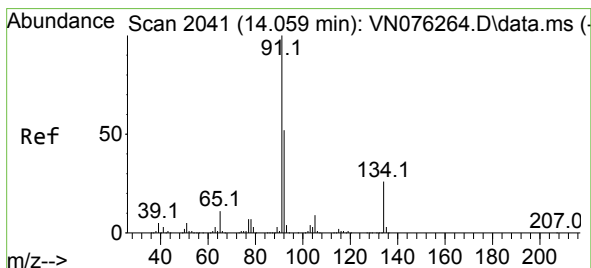
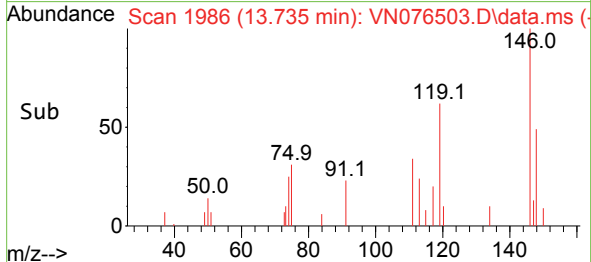
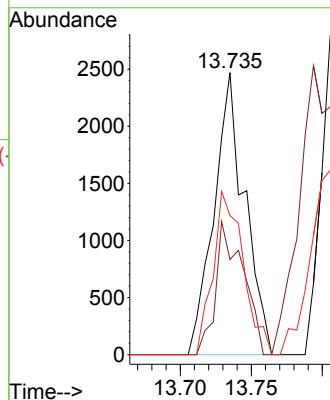
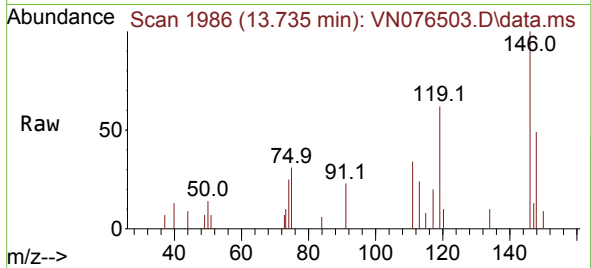




#88
1,4-Dichlorobenzene
Concen: 0.537 ug/l
RT: 13.735 min Scan# 1999
Delta R.T. -0.077 min
Lab File: VN076503.D
Acq: 02 Feb 2023 11:23

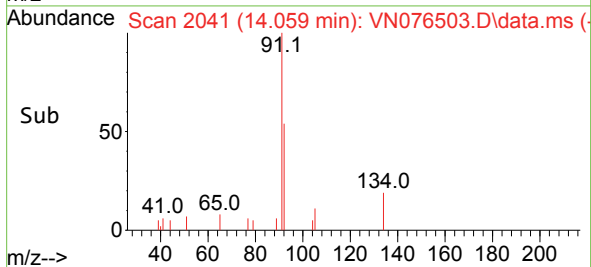
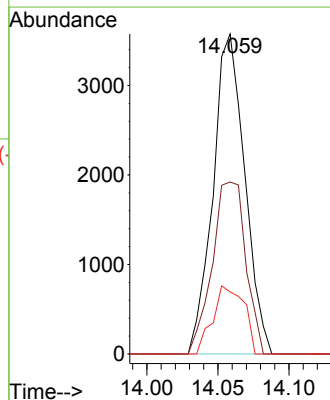
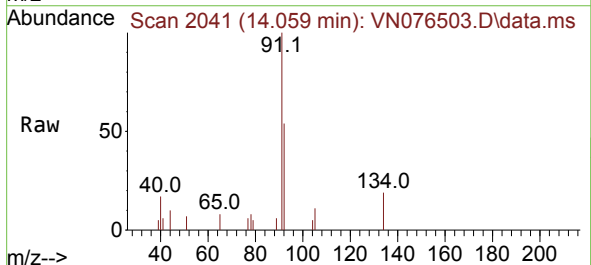
Instrument :
MSVOA_N
ClientSampleId :
VN0202MBL01

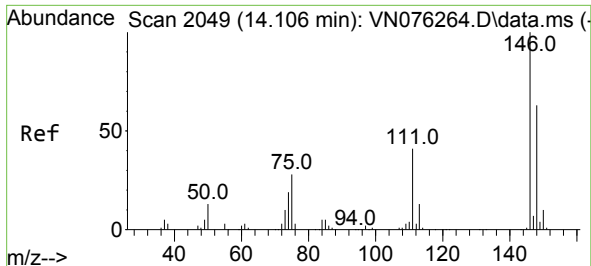
Tgt Ion:146 Resp: 3719
Ion Ratio Lower Upper
146 100
111 42.2 19.1 57.5
148 56.7 31.9 95.9



#89
n-Butylbenzene
Concen: 0.433 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN076503.D
Acq: 02 Feb 2023 11:23

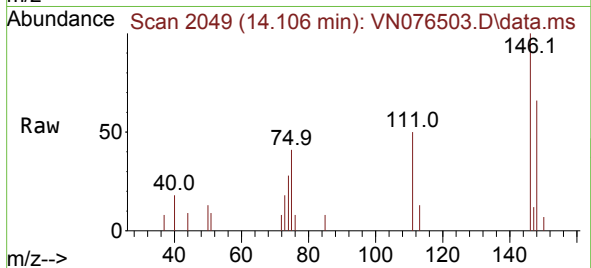
Tgt Ion: 91 Resp: 5549
Ion Ratio Lower Upper
91 100
92 56.8 26.3 78.9
134 20.9 13.2 39.5



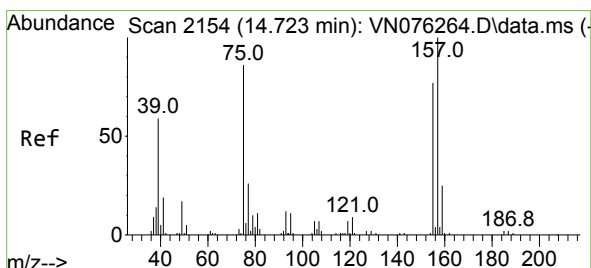
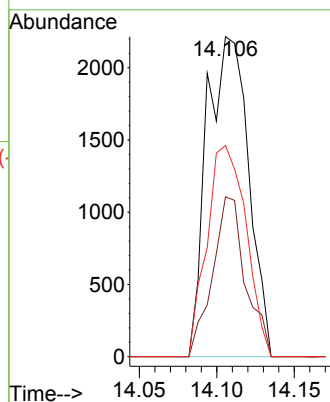
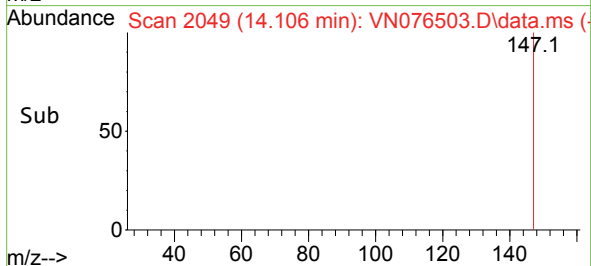


#91
 1,2-Dichlorobenzene
 Concen: 0.465 ug/l
 RT: 14.106 min Scan# 2049
 Delta R.T. -0.000 min
 Lab File: VN076503.D
 Acq: 02 Feb 2023 11:23

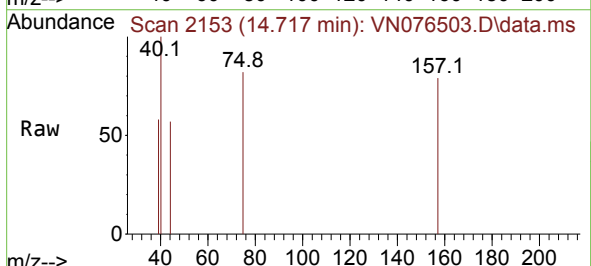
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0202MBL01



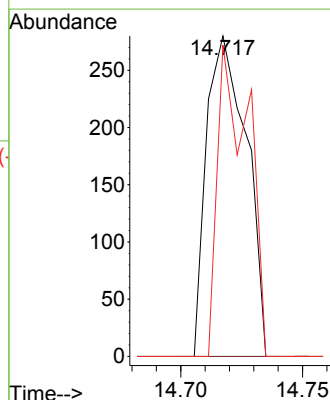
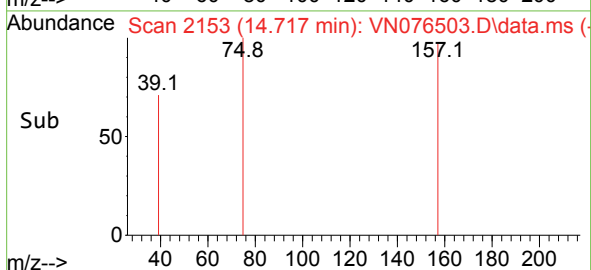
Tgt Ion:146 Resp: 4141
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.3 60.8
 148 61.8 31.8 95.4

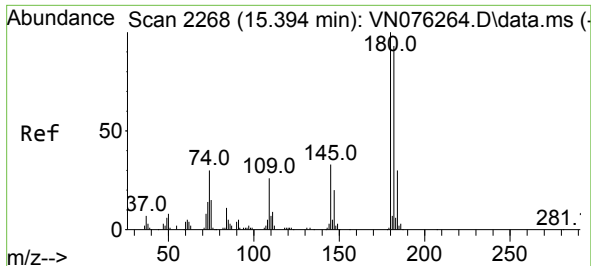


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.335 ug/l
 RT: 14.717 min Scan# 2153
 Delta R.T. -0.006 min
 Lab File: VN076503.D
 Acq: 02 Feb 2023 11:23



Tgt Ion: 75 Resp: 318
 Ion Ratio Lower Upper
 75 100
 155 0.0 45.0 135.0#
 157 75.5 58.3 174.9

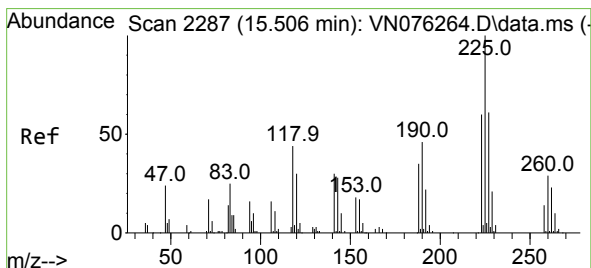
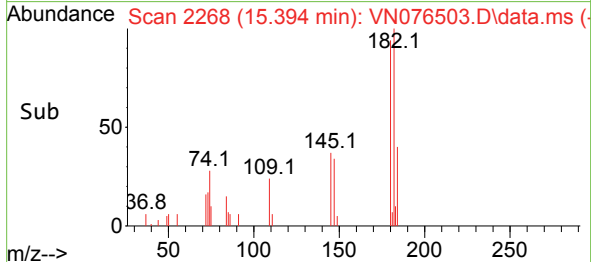
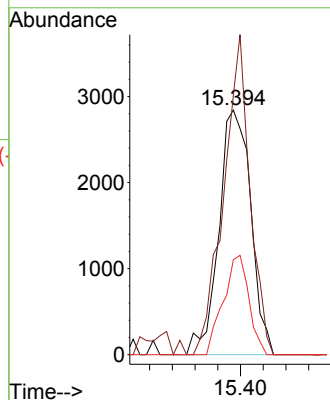
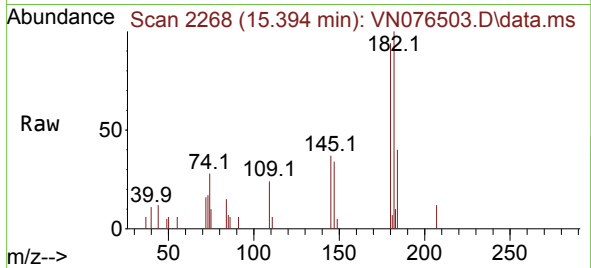




#93
1,2,4-Trichlorobenzene
Concen: 2.561 ug/l
RT: 15.394 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN076503.D
Acq: 02 Feb 2023 11:23

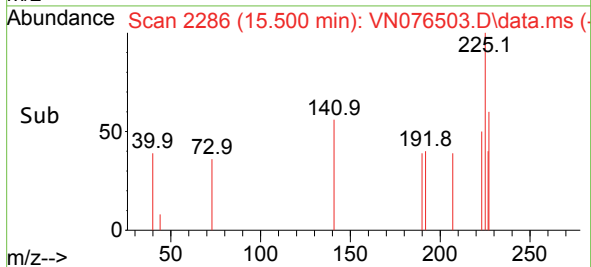
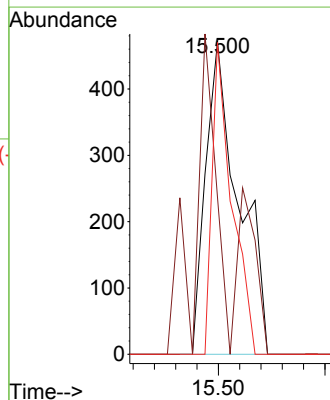
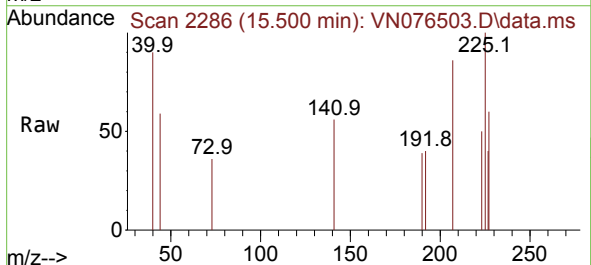
Instrument :
MSVOA_N
ClientSampleId :
VN0202MBL01

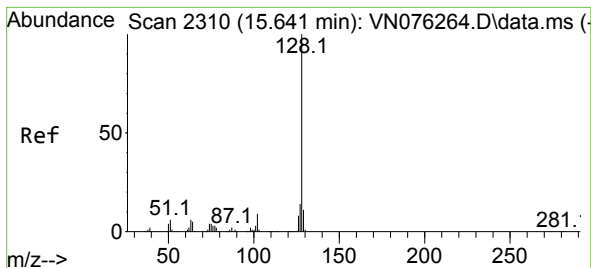
Tgt Ion:180 Resp: 5552
Ion Ratio Lower Upper
180 100
182 107.4 47.0 141.2
145 32.4 15.2 45.5



#94
Hexachlorobutadiene
Concen: 0.216 ug/l
RT: 15.500 min Scan# 2286
Delta R.T. -0.006 min
Lab File: VN076503.D
Acq: 02 Feb 2023 11:23

Tgt Ion:225 Resp: 510
Ion Ratio Lower Upper
225 100
223 66.1 30.8 92.3
227 59.0 30.9 92.8





#95

Naphthalene

Concen: 3.587 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN076503.D

Acq: 02 Feb 2023 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0202MBL01

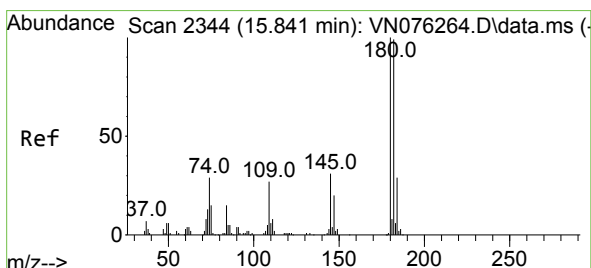
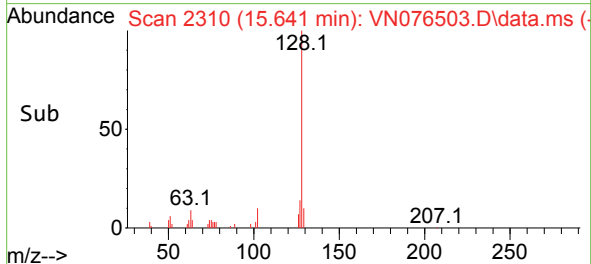
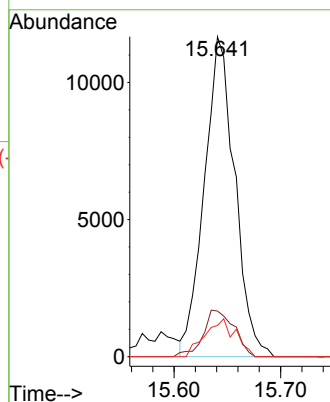
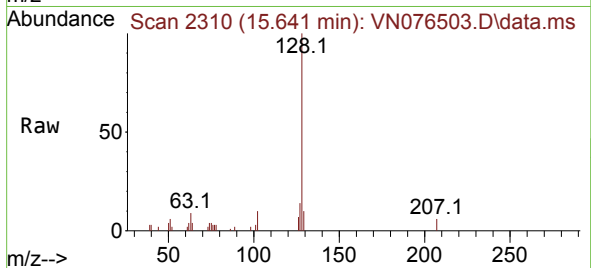
Tgt Ion:128 Resp: 23145

Ion Ratio Lower Upper

128 100

127 14.8 10.3 15.5

129 11.8 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.850 ug/l

RT: 15.841 min Scan# 2344

Delta R.T. -0.000 min

Lab File: VN076503.D

Acq: 02 Feb 2023 11:23

Tgt Ion:180 Resp: 7128

Ion Ratio Lower Upper

180 100

182 93.7 47.5 142.5

145 34.4 15.9 47.6

