

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011823\
 Data File : VN076296.D
 Acq On : 18 Jan 2023 15:46
 Operator : JC\MD
 Sample : 01155-01
 Misc : 1.15g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 34254

Quant Time: Jan 19 00:50:52 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)

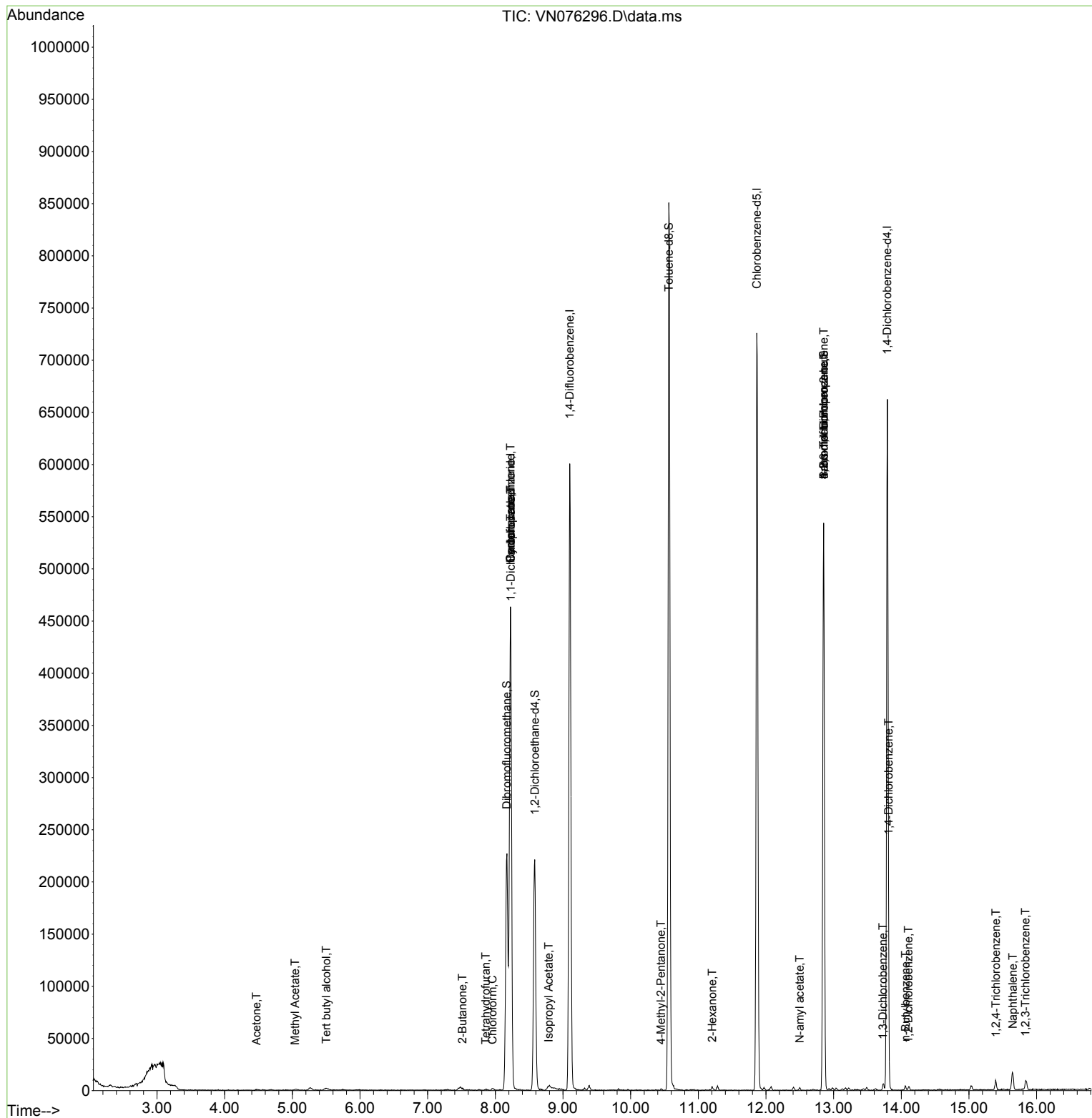
Internal Standards						
1) Pentafluorobenzene	8.224	168	356355	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	551811	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	449931	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	186609	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	181096	45.387	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.780%		
35) Dibromofluoromethane	8.171	113	159508	46.210	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.420%		
50) Toluene-d8	10.565	98	620830	48.700	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.400%		
62) 4-Bromofluorobenzene	12.853	95	182823	43.931	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.860%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.500	59	1770	3.317	ug/l #	72
16) Acetone	4.471	43	878	0.613	ug/l	91
18) Methyl Acetate	5.042	43	1126	0.260	ug/l #	73
20) Methylene Chloride	5.271	84	1162	Below Cal	#	93
25) 2-Butanone	7.512	43	1511	0.773	ug/l #	40
29) Tetrahydrofuran	7.859	42	573	0.475	ug/l #	42
30) Chloroform	7.959	83	1914	0.277	ug/l #	60
31) Cyclohexane	8.224	56	7039	1.148	ug/l #	36
36) 1,1-Dichloropropene	8.230	75	25470	5.193	ug/l #	50
38) Carbon Tetrachloride	8.224	117	34452	6.299	ug/l #	16
43) Isopropyl Acetate	8.788	43	4549	0.711	ug/l #	51
51) 4-Methyl-2-Pentanone	10.447	43	981	0.261	ug/l #	58
59) 2-Hexanone	11.206	43	2255	0.828	ug/l	95
71) Bromoform	12.853	173	1433	0.561	ug/l #	1
74) N-amyl acetate	12.500	43	1169	0.282	ug/l #	89
76) 1,2,3-Trichloropropane	12.853	75	94113	27.253	ug/l #	1
77) Bromobenzene	12.982	156	630	Below Cal		90
81) trans-1,4-Dichloro-2-b...	12.853	75	94113	83.912	ug/l #	11
87) 1,3-Dichlorobenzene	13.729	146	1863	0.274	ug/l #	70
88) 1,4-Dichlorobenzene	13.812	146	3289	0.608	ug/l #	56
89) n-Butylbenzene	14.064	91	2858	0.293	ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	1904	0.281	ug/l	91
93) 1,2,4-Trichlorobenzene	15.400	180	3418	2.322	ug/l	95
95) Naphthalene	15.647	128	17593	3.587	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	3647	2.295	ug/l	94

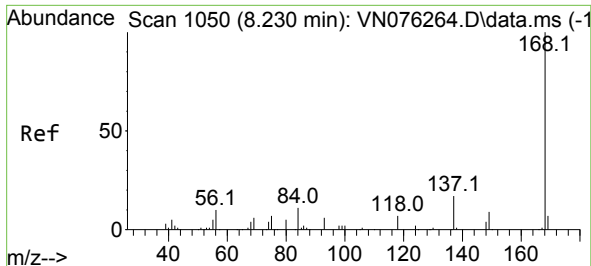
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011823\
Data File : VN076296.D
Acq On : 18 Jan 2023 15:46
Operator : JC\MD
Sample : 01155-01
Misc : 1.15g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
34254

Quant Time: Jan 19 00:50:52 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

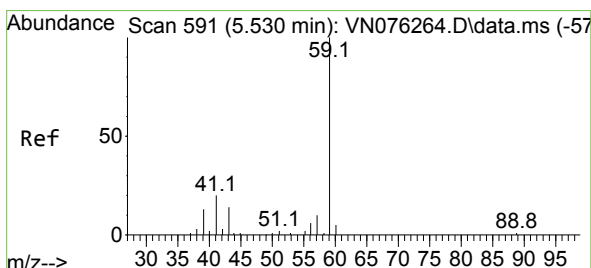
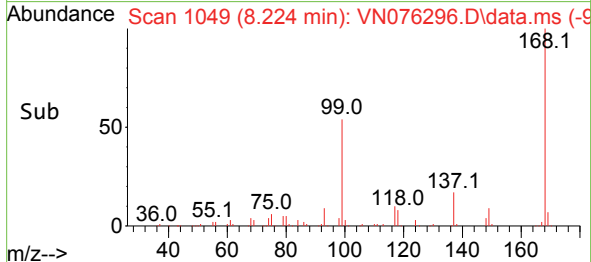
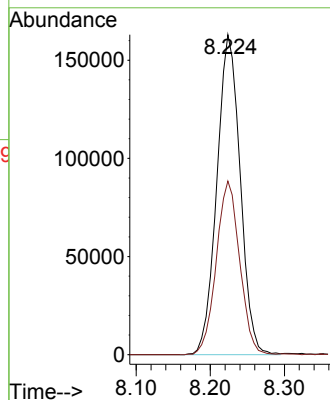
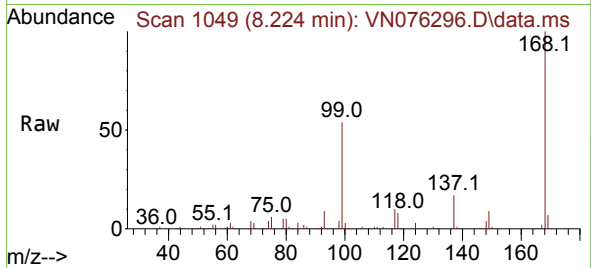




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.006 min
Lab File: VN076296.D
Acq: 18 Jan 2023 15:46

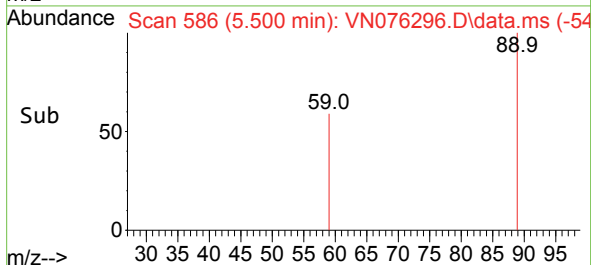
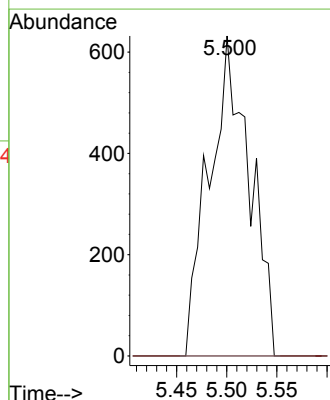
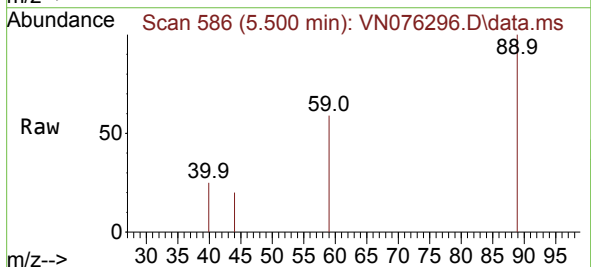
Instrument :
MSVOA_N
ClientSampleId :
34254

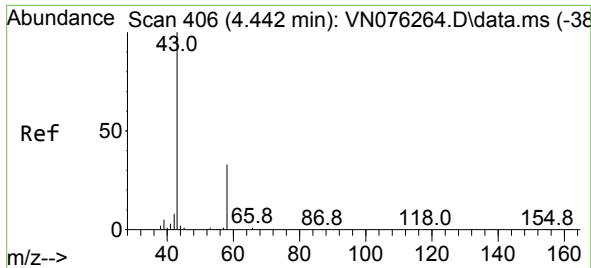
Tgt Ion:168 Resp: 356355
Ion Ratio Lower Upper
168 100
99 54.2 41.6 62.4



#11
Tert butyl alcohol
Concen: 3.317 ug/l
RT: 5.500 min Scan# 586
Delta R.T. -0.030 min
Lab File: VN076296.D
Acq: 18 Jan 2023 15:46

Tgt Ion: 59 Resp: 1770
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

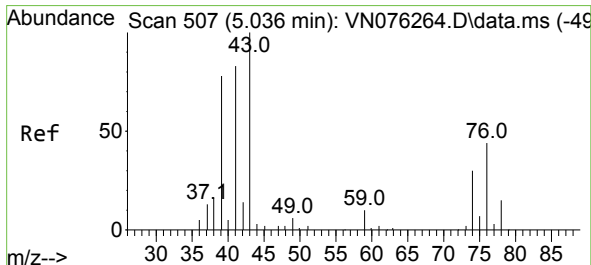
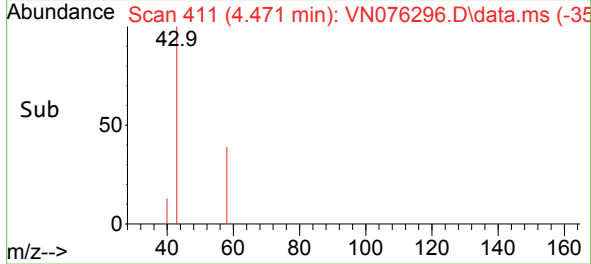
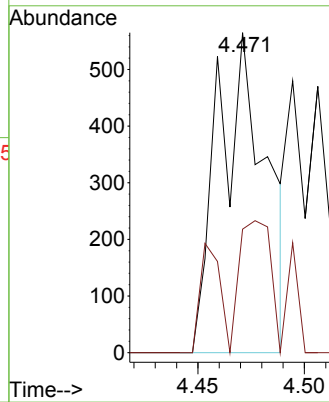
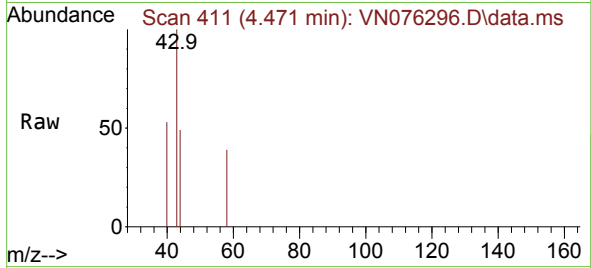




#16
Acetone
Concen: 0.613 ug/l
RT: 4.471 min Scan# 411
Delta R.T. 0.029 min
Lab File: VN076296.D
Acq: 18 Jan 2023 15:46

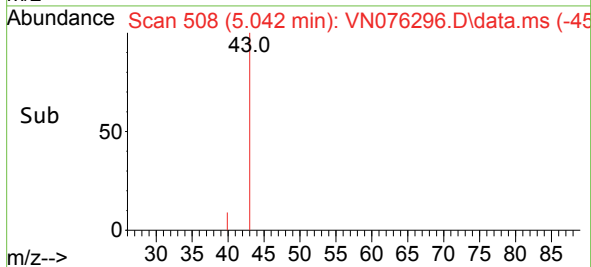
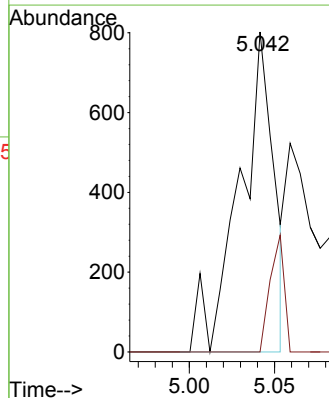
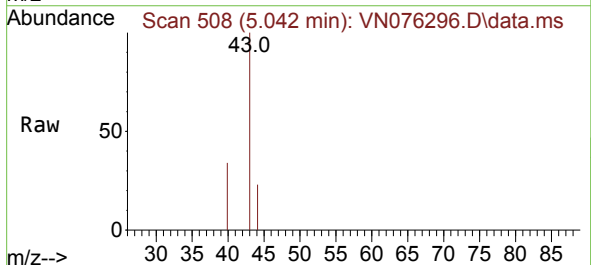
Instrument :
MSVOA_N
ClientSampleId :
34254

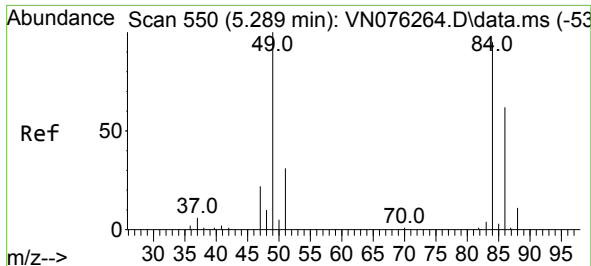
Tgt Ion: 43 Resp: 878
Ion Ratio Lower Upper
43 100
58 38.6 26.7 40.1



#18
Methyl Acetate
Concen: 0.260 ug/l
RT: 5.042 min Scan# 508
Delta R.T. 0.006 min
Lab File: VN076296.D
Acq: 18 Jan 2023 15:46

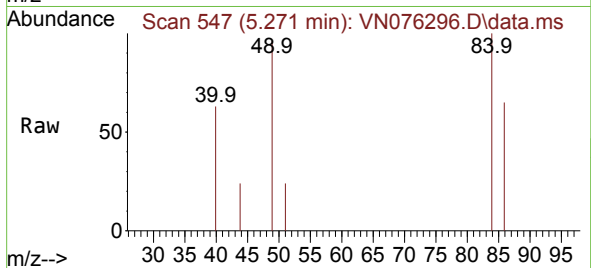
Tgt Ion: 43 Resp: 1126
Ion Ratio Lower Upper
43 100
74 14.8 23.3 34.9#





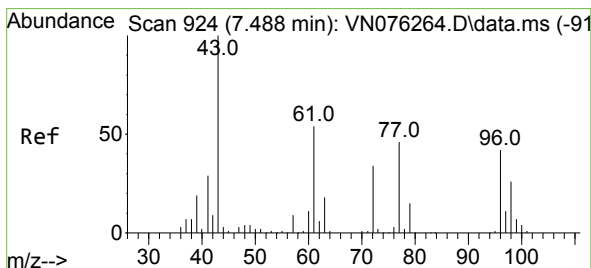
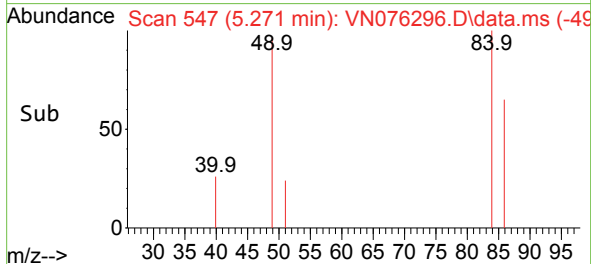
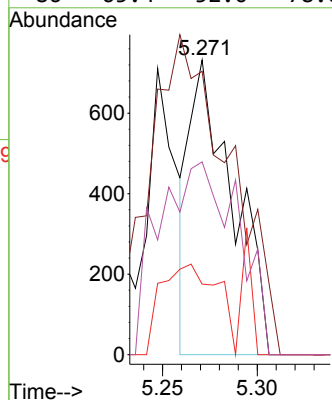
#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 54
Delta R.T. -0.018 min
Lab File: VN076296.D
Acq: 18 Jan 2023 15:46

Instrument :
MSVOA_N
ClientSampleId :
34254



Tgt Ion: 84 Resp: 1162

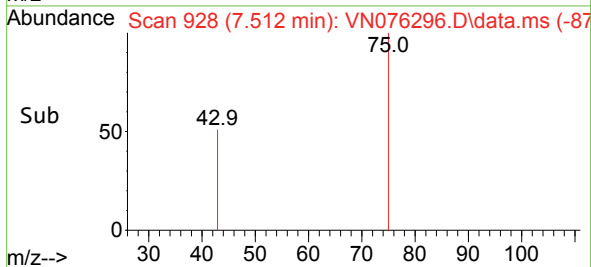
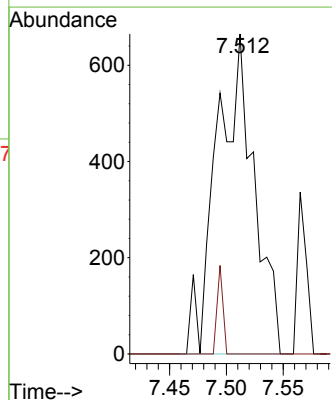
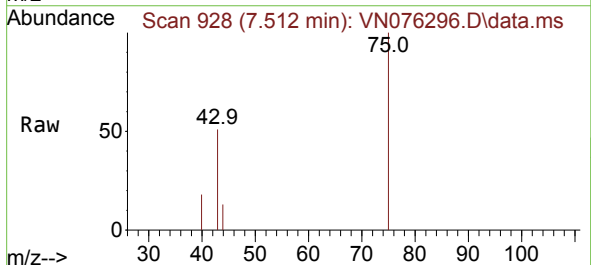
Ion	Ratio	Lower	Upper
84	100		
49	96.2	84.5	126.7
51	23.9	26.0	39.0#
86	65.4	52.0	78.0

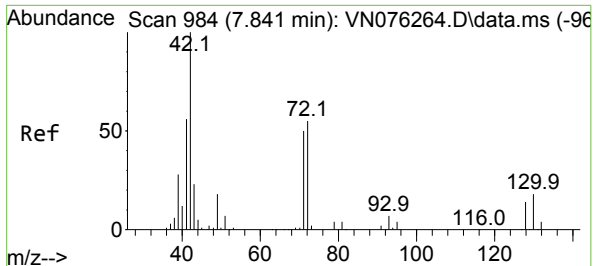


#25
2-Butanone
Concen: 0.773 ug/l
RT: 7.512 min Scan# 928
Delta R.T. 0.024 min
Lab File: VN076296.D
Acq: 18 Jan 2023 15:46

Tgt Ion: 43 Resp: 1511

Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.4	41.2#





#29

Tetrahydrofuran

Concen: 0.475 ug/l

RT: 7.859 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN076296.D

Acq: 18 Jan 2023 15:46

Instrument :

MSVOA_N

ClientSampleId :

34254

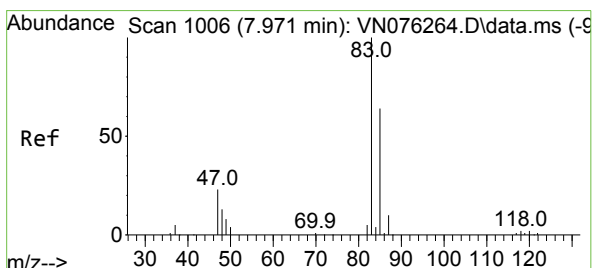
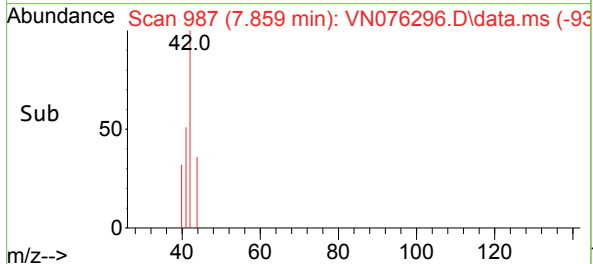
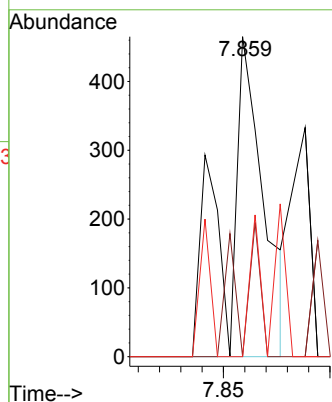
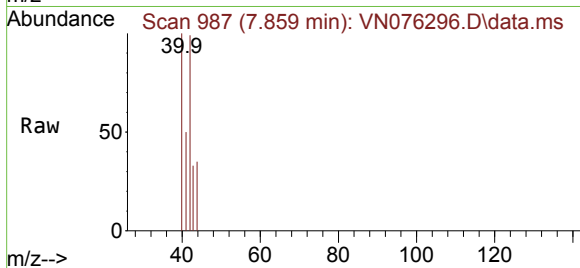
Tgt Ion: 42 Resp: 573

Ion Ratio Lower Upper

42 100

72 23.0 44.0 66.0#

71 0.0 41.1 61.7#



#30

Chloroform

Concen: 0.277 ug/l

RT: 7.959 min Scan# 1004

Delta R.T. -0.012 min

Lab File: VN076296.D

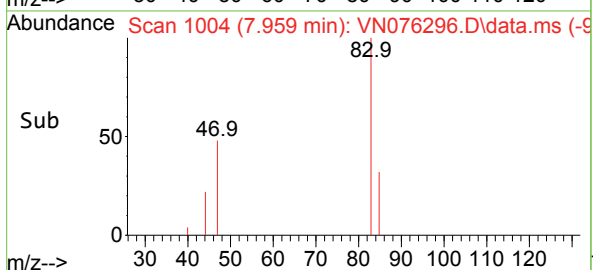
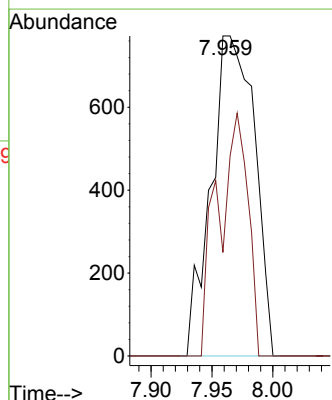
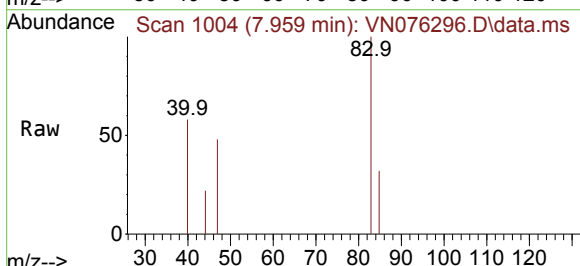
Acq: 18 Jan 2023 15:46

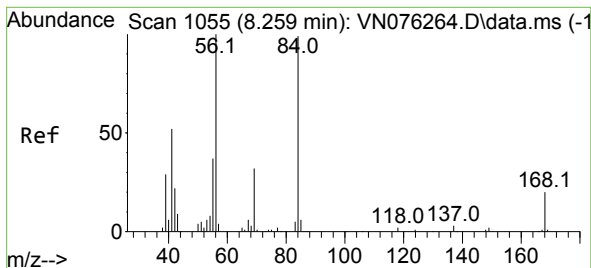
Tgt Ion: 83 Resp: 1914

Ion Ratio Lower Upper

83 100

85 32.4 51.0 76.6#





#31

Cyclohexane

Concen: 1.148 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.035 min

Lab File: VN076296.D

Acq: 18 Jan 2023 15:46

Instrument :

MSVOA_N

ClientSampleId :

34254

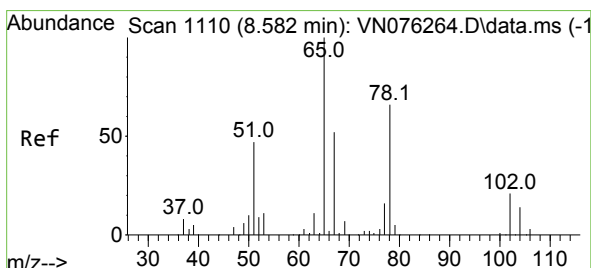
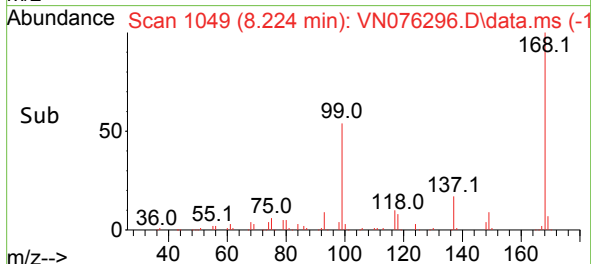
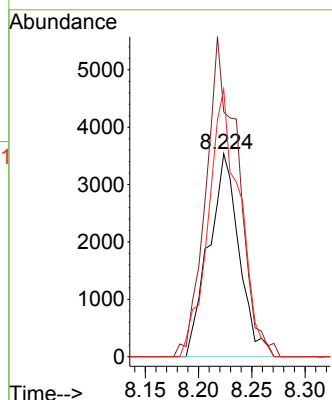
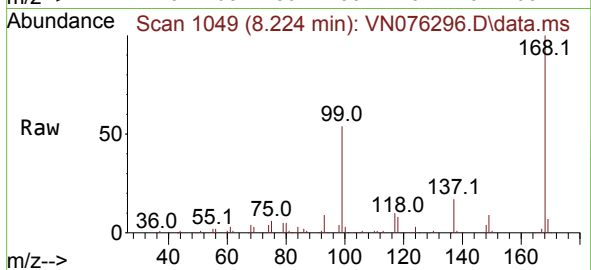
Tgt Ion: 56 Resp: 7039

Ion Ratio Lower Upper

56 100

69 120.7 25.8 38.8#

84 131.8 79.0 118.4#



#33

1,2-Dichloroethane-d4

Concen: 45.387 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076296.D

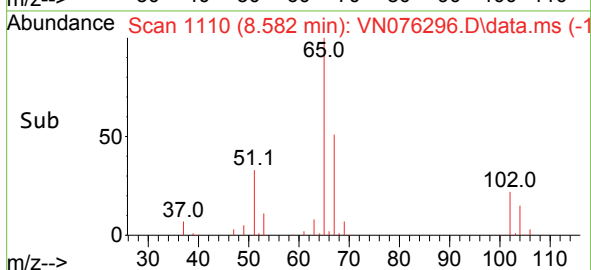
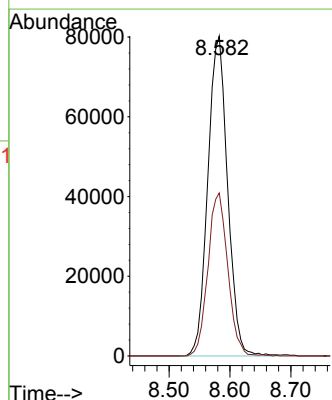
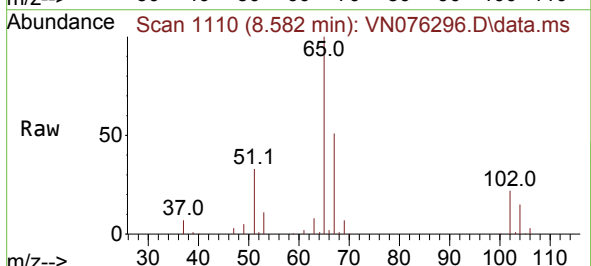
Acq: 18 Jan 2023 15:46

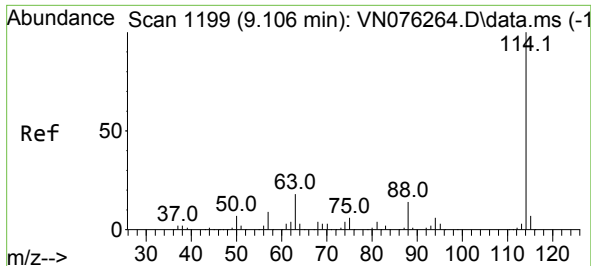
Tgt Ion: 65 Resp: 181096

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1199

Delta R.T. -0.006 min

Lab File: VN076296.D

Acq: 18 Jan 2023 15:46

Instrument :

MSVOA_N

ClientSampleId :

34254

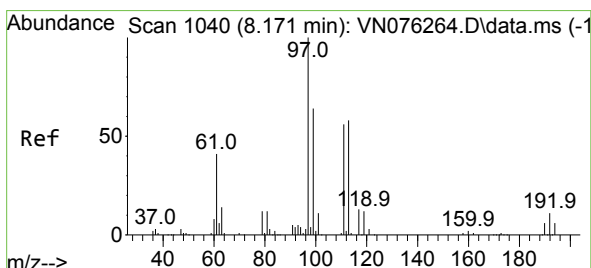
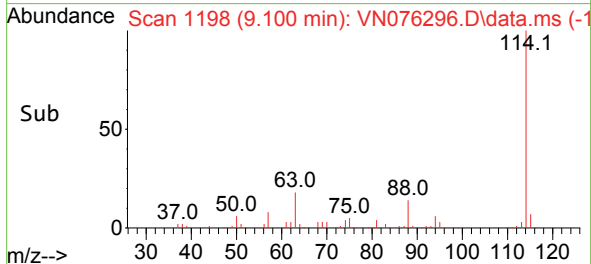
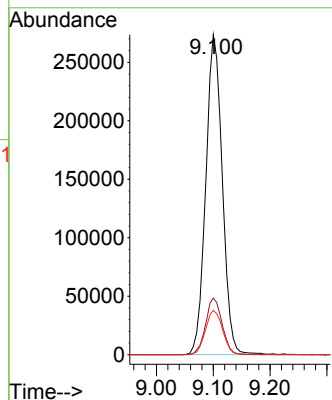
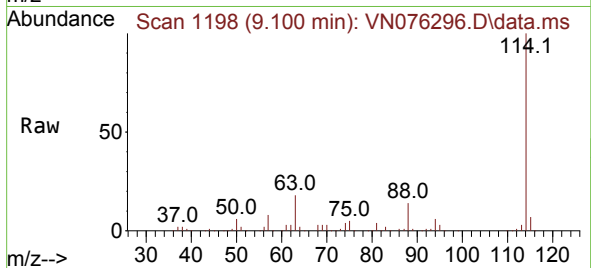
Tgt Ion:114 Resp: 551811

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.8

88 13.9 0.0 28.0



#35

Dibromofluoromethane

Concen: 46.210 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076296.D

Acq: 18 Jan 2023 15:46

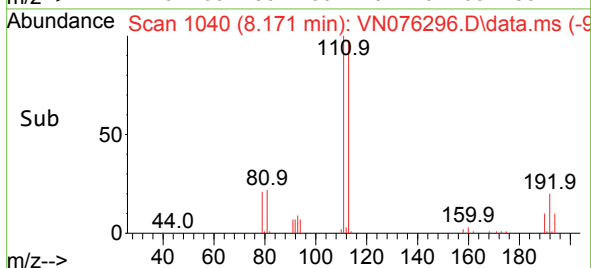
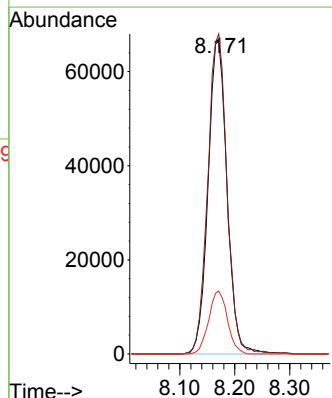
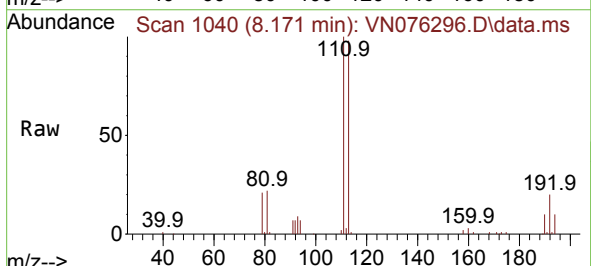
Tgt Ion:113 Resp: 159508

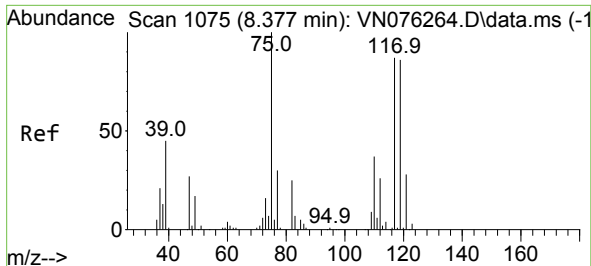
Ion Ratio Lower Upper

113 100

111 103.6 82.7 124.1

192 19.9 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.193 ug/l

RT: 8.230 min Scan# 1049

Delta R.T. -0.147 min

Lab File: VN076296.D

Acq: 18 Jan 2023 15:46

Instrument :

MSVOA_N

ClientSampleId :

34254

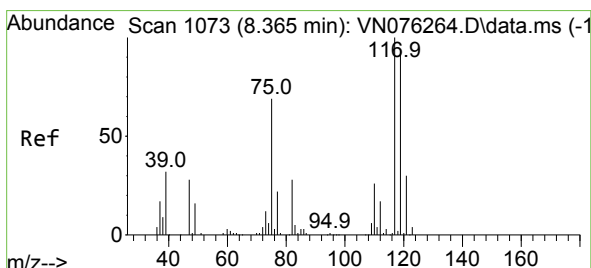
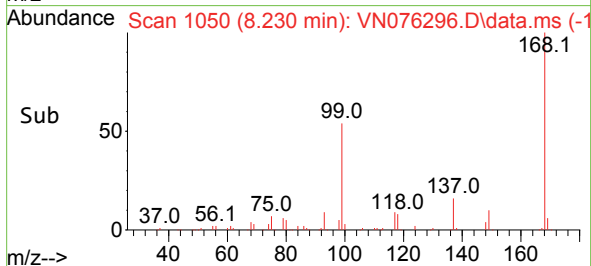
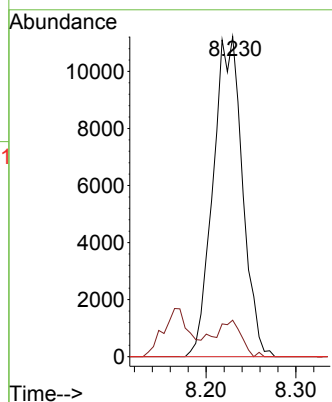
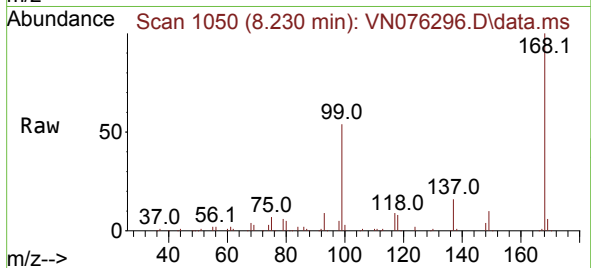
Tgt Ion: 75 Resp: 25470

Ion Ratio Lower Upper

75 100

110 10.7 18.8 56.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.299 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.141 min

Lab File: VN076296.D

Acq: 18 Jan 2023 15:46

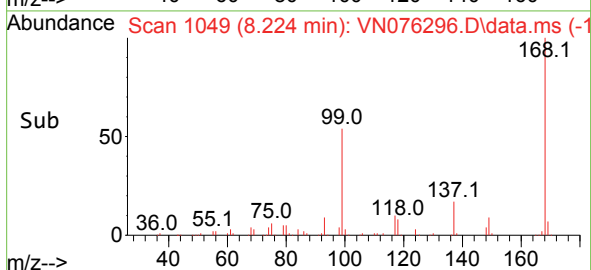
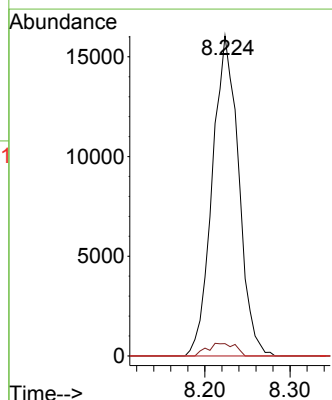
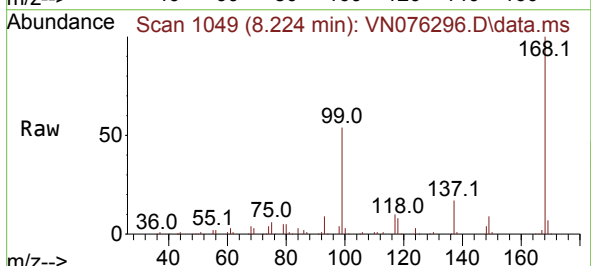
Tgt Ion: 117 Resp: 34452

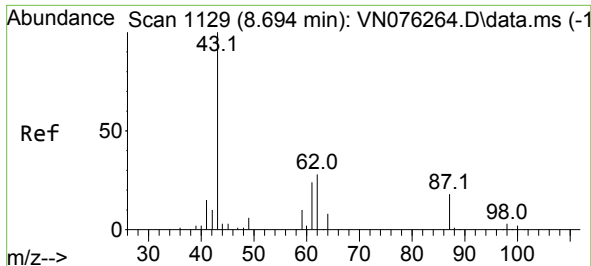
Ion Ratio Lower Upper

117 100

119 3.8 75.4 113.0#

121 0.0 24.2 36.2#

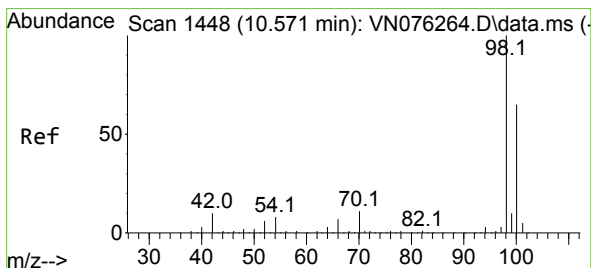
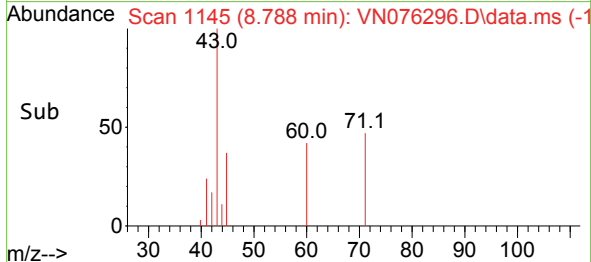
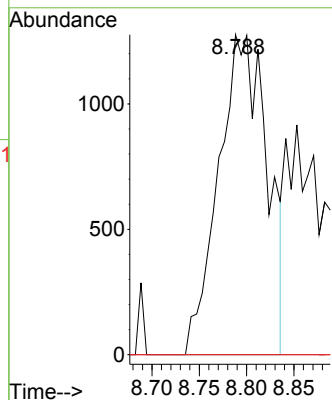
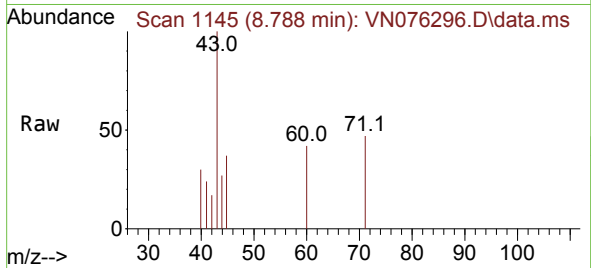




#43
Isopropyl Acetate
Concen: 0.711 ug/l
RT: 8.788 min Scan# 1129
Delta R.T. 0.094 min
Lab File: VN076296.D
Acq: 18 Jan 2023 15:46

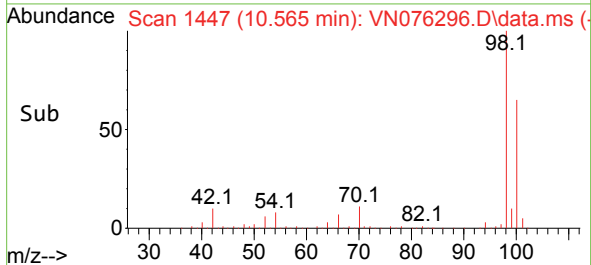
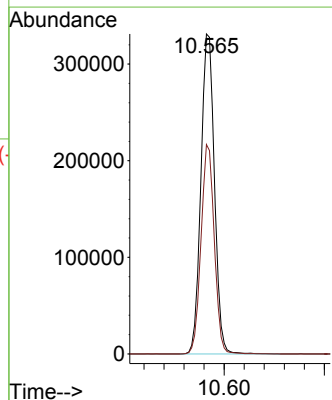
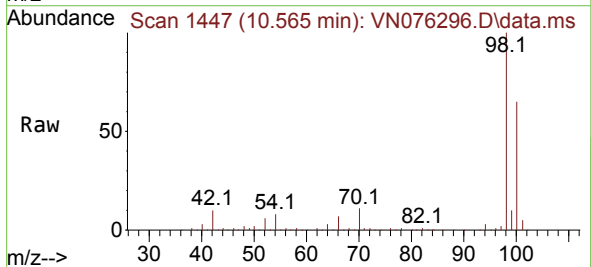
Instrument :
MSVOA_N
ClientSampleId :
34254

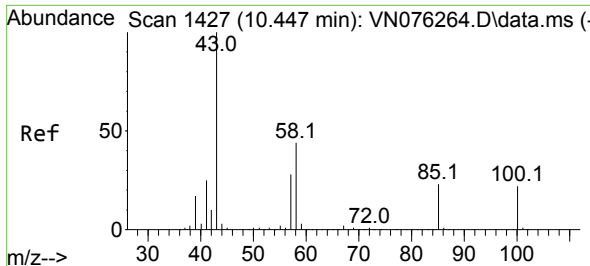
Tgt Ion: 43 Resp: 4549
Ion Ratio Lower Upper
43 100
61 0.0 23.5 35.3#
87 0.0 13.8 20.6#



#50
Toluene-d8
Concen: 48.700 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN076296.D
Acq: 18 Jan 2023 15:46

Tgt Ion: 98 Resp: 620830
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 0.261 ug/l

RT: 10.447 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VN076296.D

Acq: 18 Jan 2023 15:46

Instrument :

MSVOA_N

ClientSampleId :

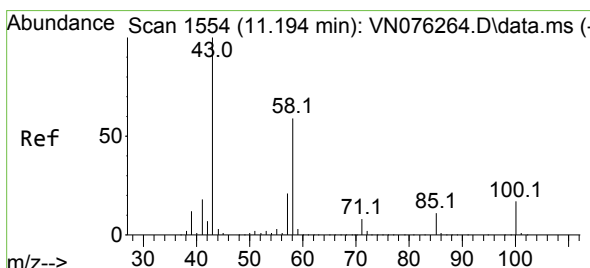
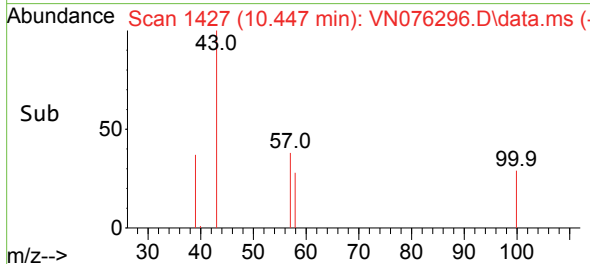
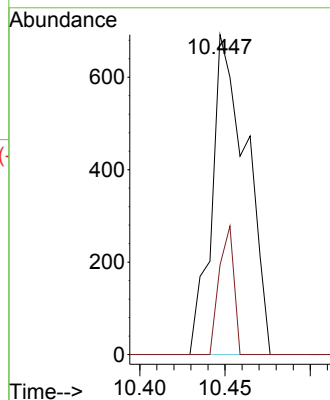
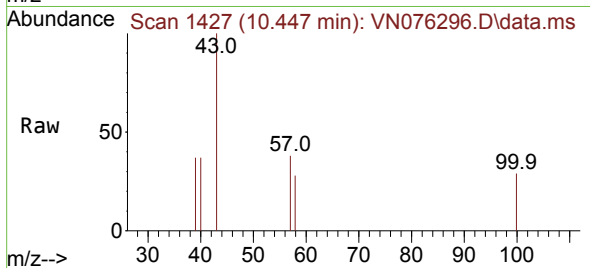
34254

Tgt Ion: 43 Resp: 981

Ion Ratio Lower Upper

43 100

58 17.0 35.1 52.7#



#59

2-Hexanone

Concen: 0.828 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.012 min

Lab File: VN076296.D

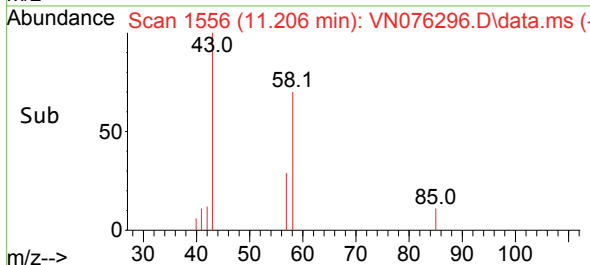
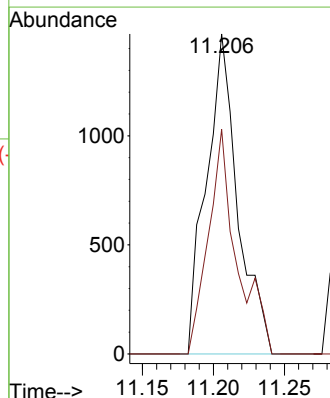
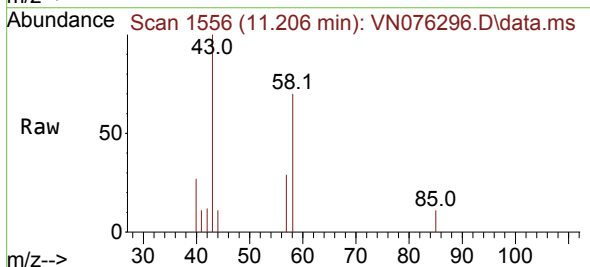
Acq: 18 Jan 2023 15:46

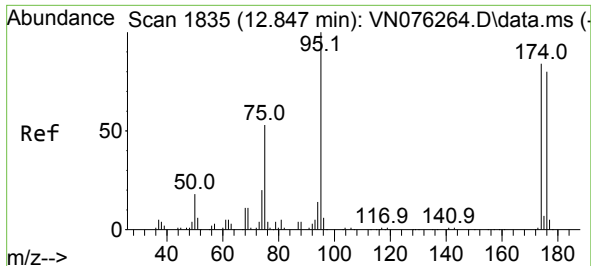
Tgt Ion: 43 Resp: 2255

Ion Ratio Lower Upper

43 100

58 63.9 30.1 90.3

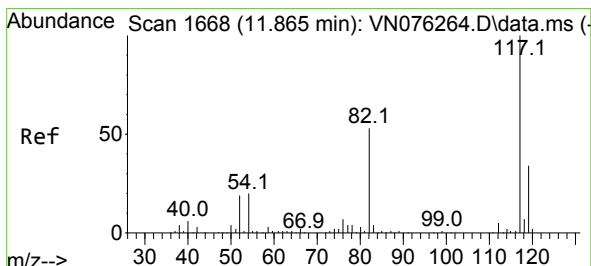
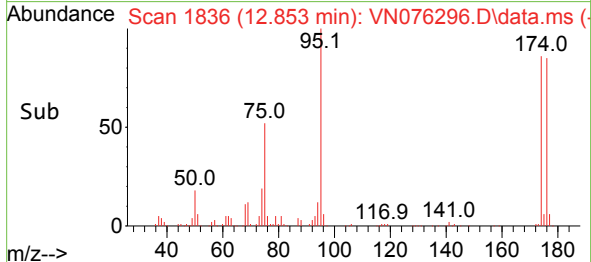
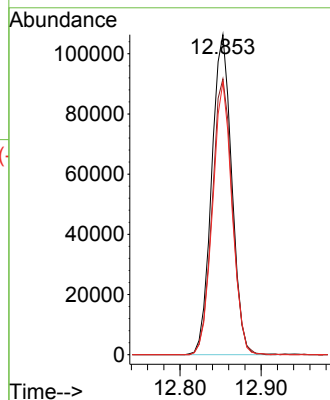
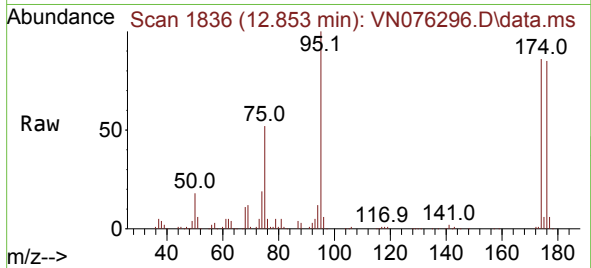




#62
4-Bromofluorobenzene
Concen: 43.931 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076296.D
Acq: 18 Jan 2023 15:46

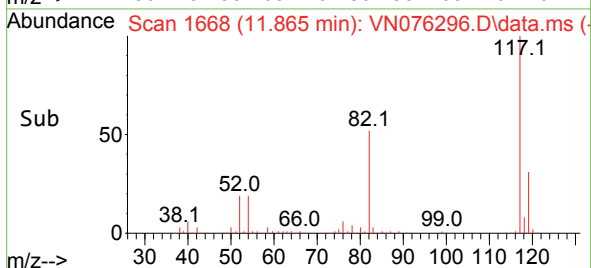
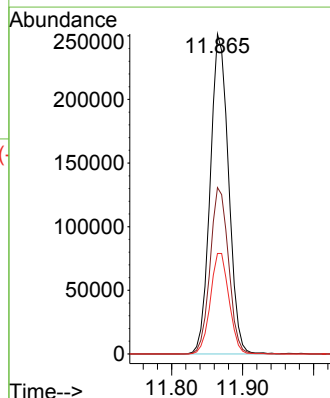
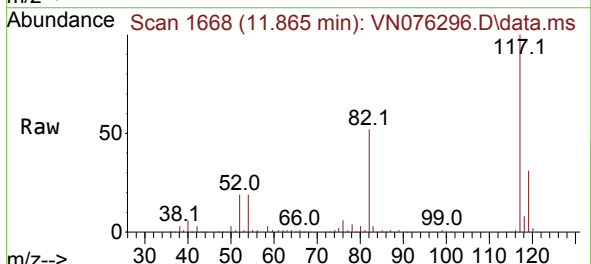
Instrument :
MSVOA_N
ClientSampleId :
34254

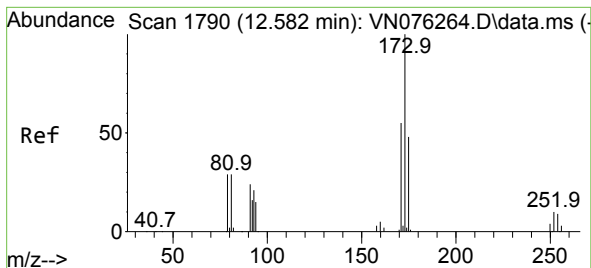
Tgt Ion: 95 Resp: 182823
Ion Ratio Lower Upper
95 100
174 86.3 0.0 174.6
176 82.6 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN076296.D
Acq: 18 Jan 2023 15:46

Tgt Ion: 117 Resp: 449931
Ion Ratio Lower Upper
117 100
82 52.0 42.2 63.2
119 31.4 26.9 40.3





#71

Bromoform

Concen: 0.561 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN076296.D

Acq: 18 Jan 2023 15:46

Instrument :

MSVOA_N

ClientSampleId :

34254

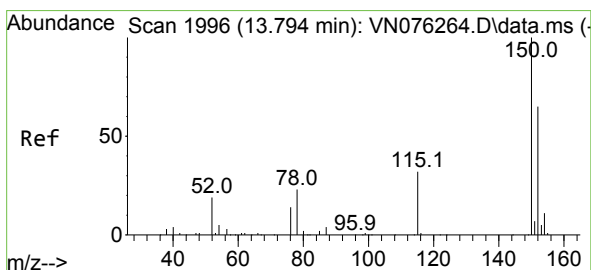
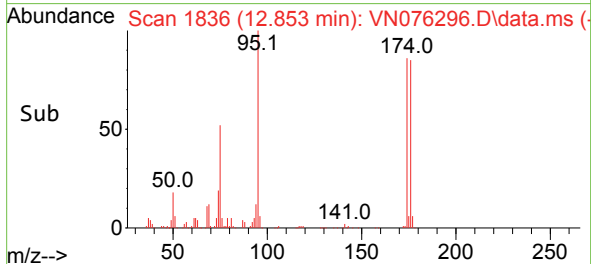
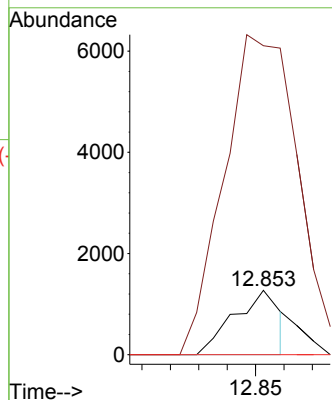
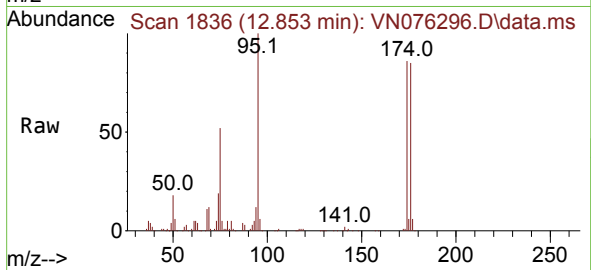
Tgt Ion:173 Resp: 1433

Ion Ratio Lower Upper

173 100

175 639.2 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: VN076296.D

Acq: 18 Jan 2023 15:46

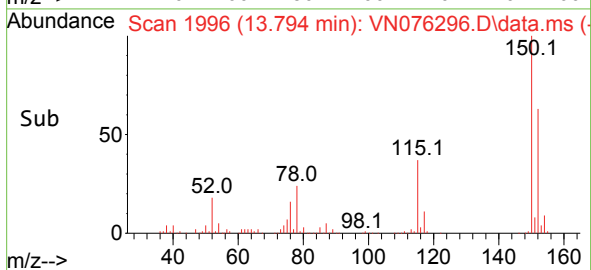
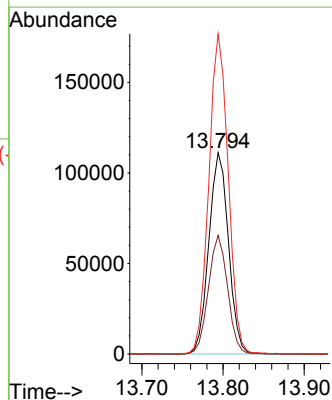
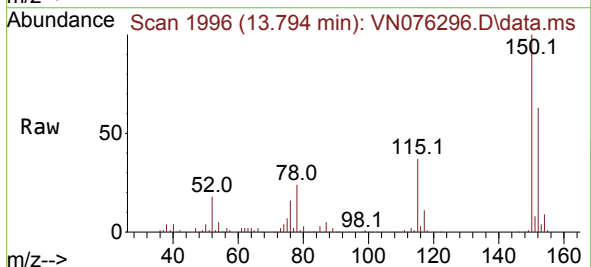
Tgt Ion:152 Resp: 186609

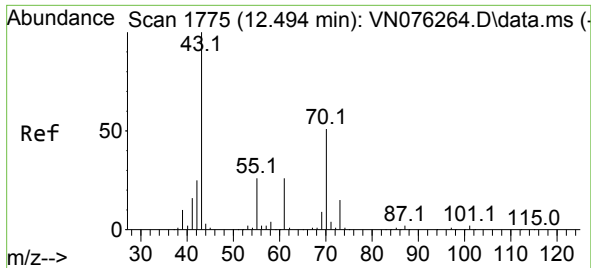
Ion Ratio Lower Upper

152 100

115 57.5 29.6 88.9

150 157.3 0.0 351.4

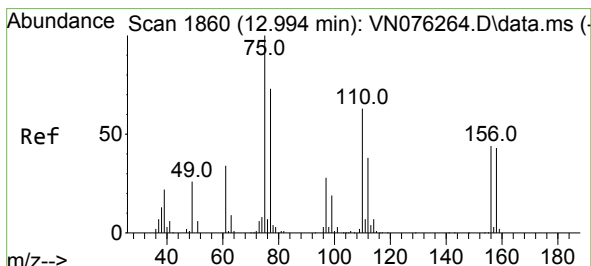
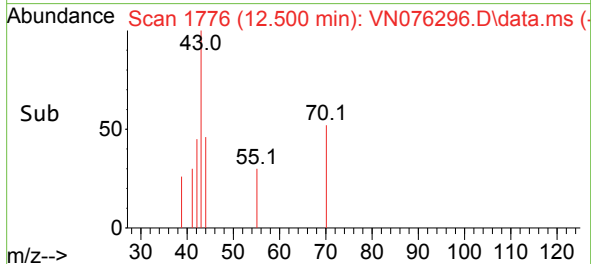
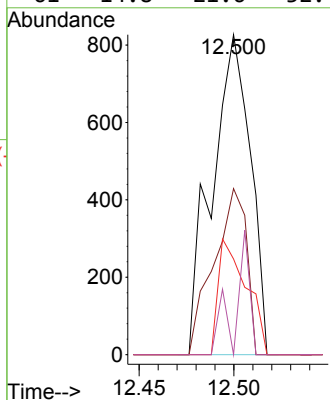
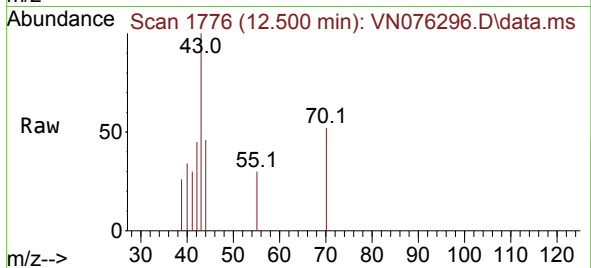




#74
N-amy1 acetate
Concen: 0.282 ug/l
RT: 12.500 min Scan# 1169
Delta R.T. 0.006 min
Lab File: VN076296.D
Acq: 18 Jan 2023 15:46

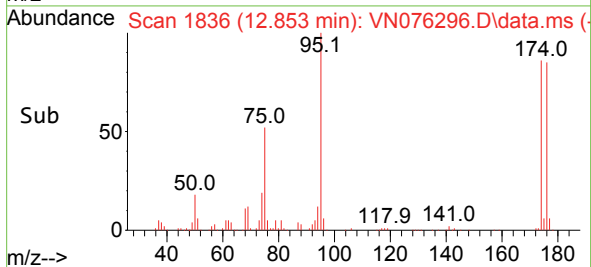
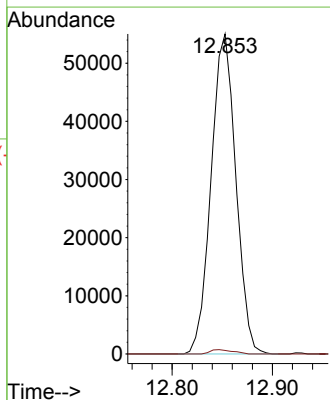
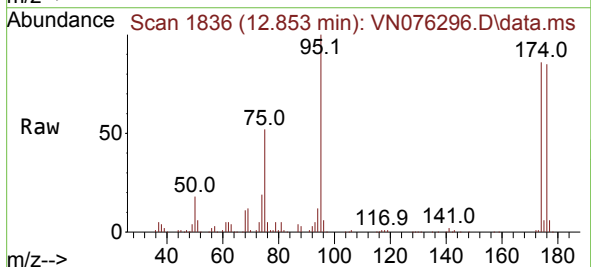
Instrument :
MSVOA_N
ClientSampleId :
34254

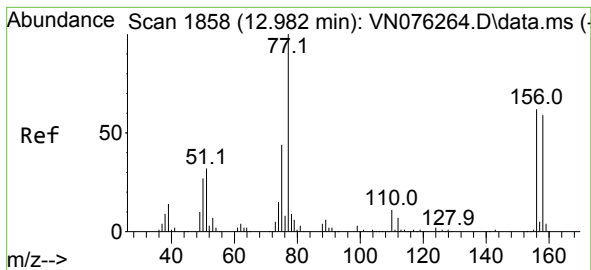
Tgt Ion:	43	Resp:	1169
Ion	Ratio	Lower	Upper
43	100		
70	44.1	41.2	61.8
55	26.4	21.0	31.6
61	14.8	21.6	32.4



#76
1,2,3-Trichloropropane
Concen: 27.253 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076296.D
Acq: 18 Jan 2023 15:46

Tgt Ion:	75	Resp:	94113
Ion	Ratio	Lower	Upper
75	100		
77	1.2	75.2	225.6





#77

Bromobenzene

Concen: Below Cal

RT: 12.982 min Scan# 1858

Delta R.T. 0.000 min

Lab File: VN076296.D

Acq: 18 Jan 2023 15:46

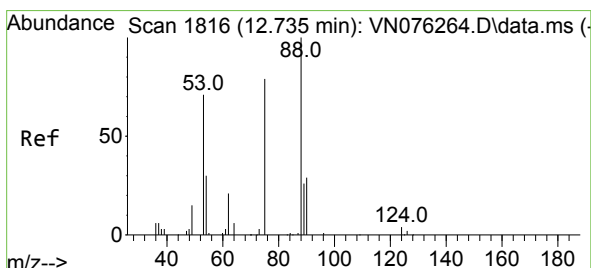
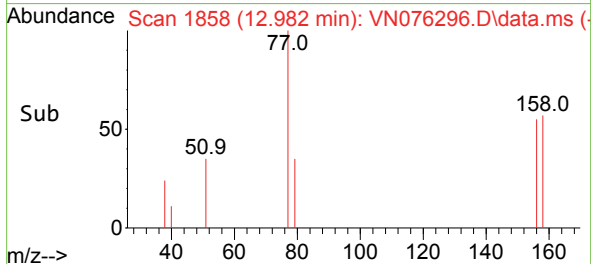
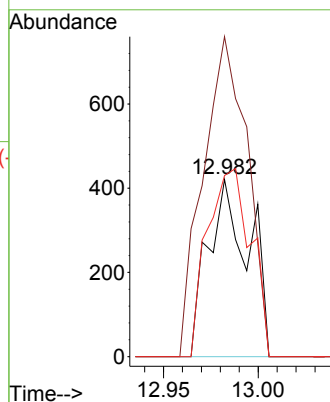
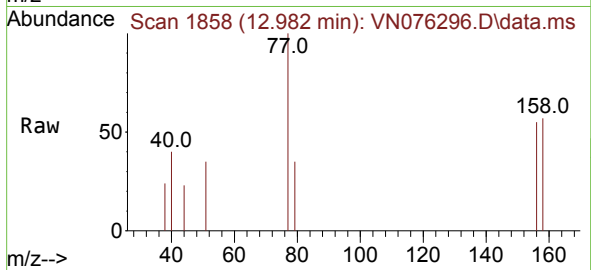
Instrument :

MSVOA_N

ClientSampleId :

34254

Tgt Ion:	156	Resp:	630
Ion	Ratio	Lower	Upper
156	100		
77	195.7	93.4	280.2
158	113.5	48.4	145.2



#81

trans-1,4-Dichloro-2-butene

Concen: 83.912 ug/l

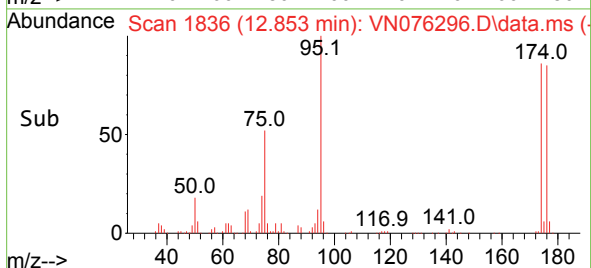
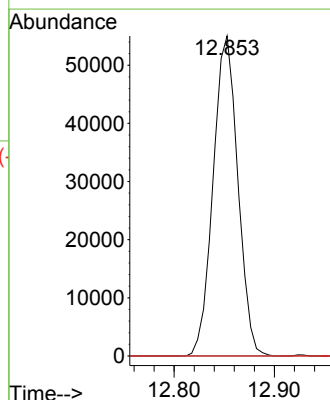
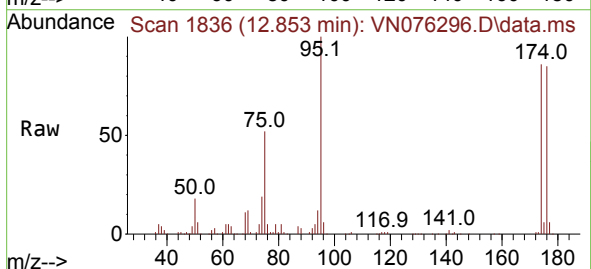
RT: 12.853 min Scan# 1836

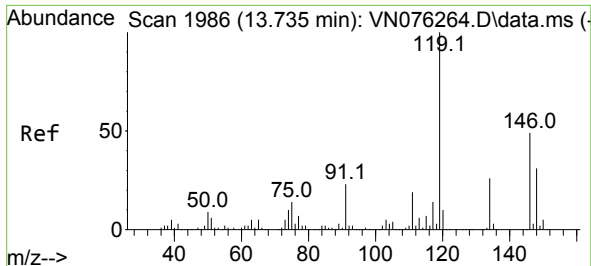
Delta R.T. 0.118 min

Lab File: VN076296.D

Acq: 18 Jan 2023 15:46

Tgt Ion:	75	Resp:	94113
Ion	Ratio	Lower	Upper
75	100		
53	0.0	75.8	113.8#
89	0.0	37.0	55.6#

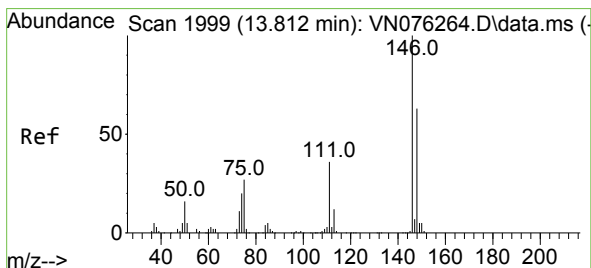
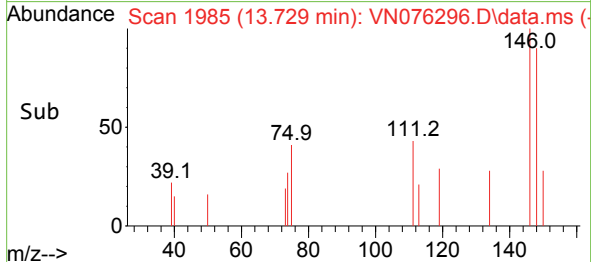
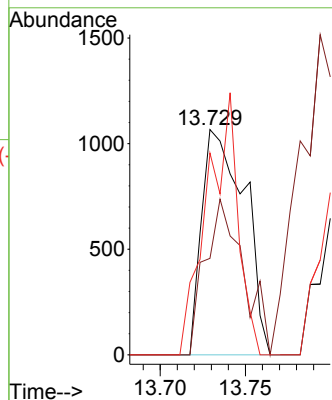
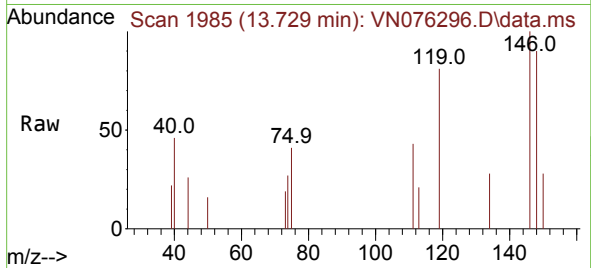




#87
1,3-Dichlorobenzene
Concen: 0.274 ug/l
RT: 13.729 min Scan# 1985
Delta R.T. -0.006 min
Lab File: VN076296.D
Acq: 18 Jan 2023 15:46

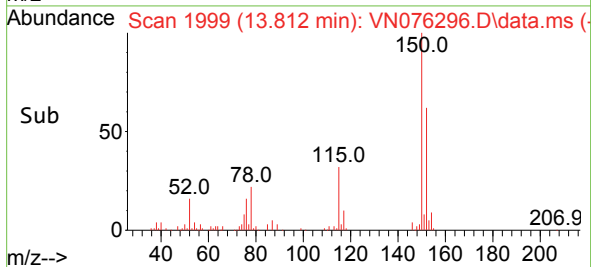
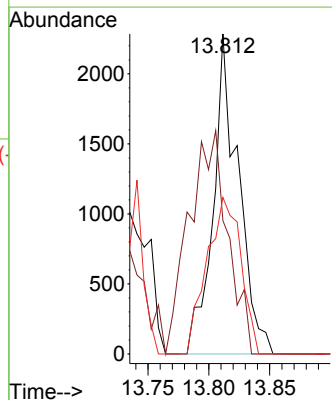
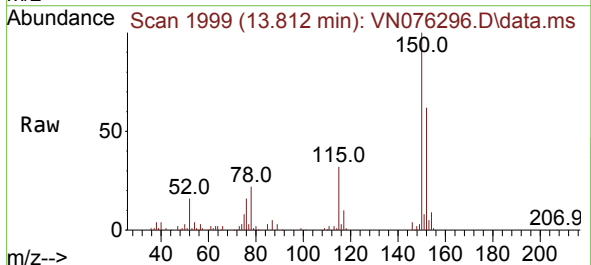
Instrument :
MSVOA_N
ClientSampleId :
34254

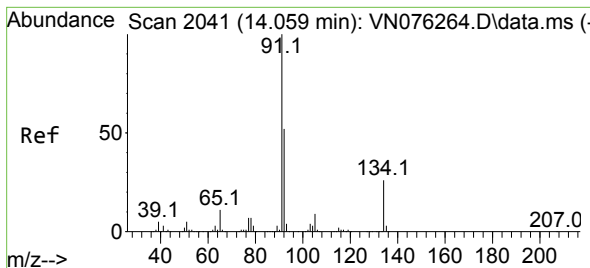
Tgt Ion:146 Resp: 1863
Ion Ratio Lower Upper
146 100
111 61.4 19.9 59.7#
148 84.2 31.6 94.8



#88
1,4-Dichlorobenzene
Concen: 0.608 ug/l
RT: 13.812 min Scan# 1999
Delta R.T. -0.000 min
Lab File: VN076296.D
Acq: 18 Jan 2023 15:46

Tgt Ion:146 Resp: 3289
Ion Ratio Lower Upper
146 100
111 106.6 19.1 57.5#
148 66.0 31.9 95.9





#89

n-Butylbenzene

Concen: 0.293 ug/l

RT: 14.064 min Scan# 2042

Delta R.T. 0.005 min

Lab File: VN076296.D

Acq: 18 Jan 2023 15:46

Instrument :

MSVOA_N

ClientSampleId :

34254

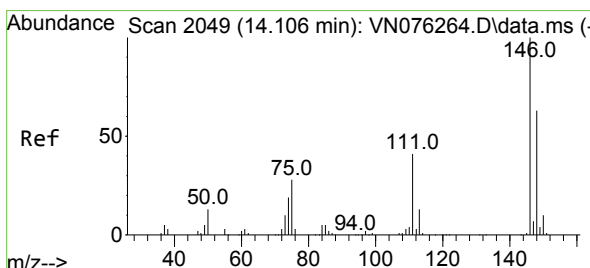
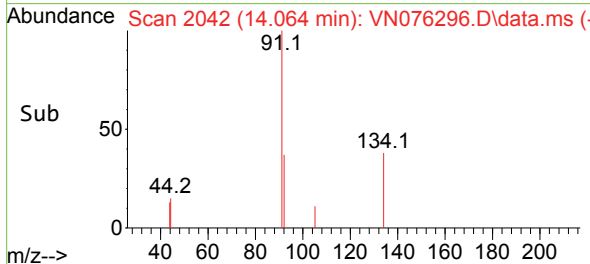
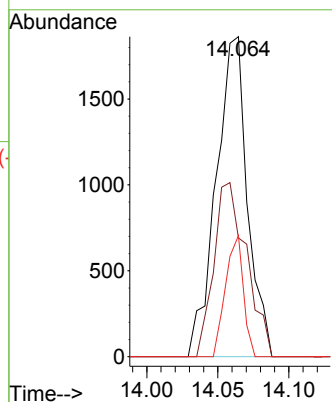
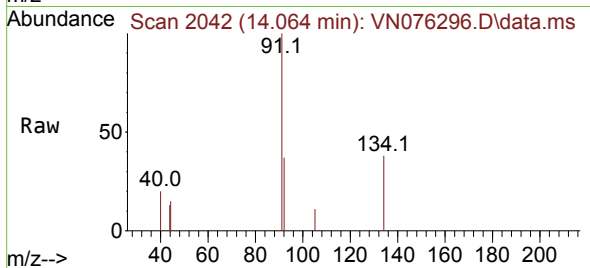
Tgt Ion: 91 Resp: 2858

Ion Ratio Lower Upper

91 100

92 56.6 26.3 78.9

134 21.4 13.2 39.5



#91

1,2-Dichlorobenzene

Concen: 0.281 ug/l

RT: 14.106 min Scan# 2049

Delta R.T. -0.000 min

Lab File: VN076296.D

Acq: 18 Jan 2023 15:46

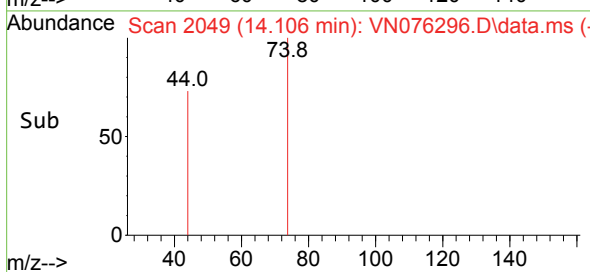
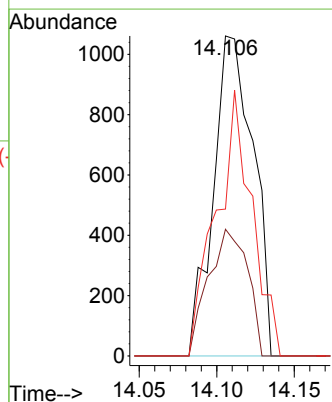
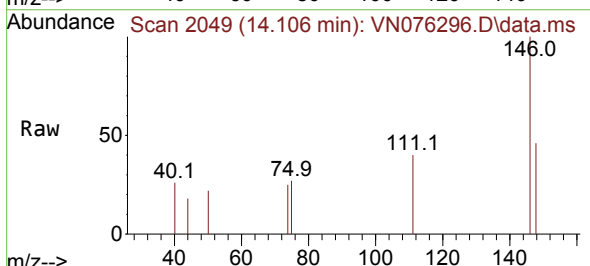
Tgt Ion:146 Resp: 1904

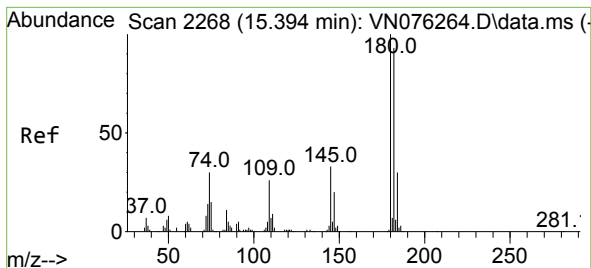
Ion Ratio Lower Upper

146 100

111 38.6 20.3 60.8

148 73.9 31.8 95.4





#93

1,2,4-Trichlorobenzene

Concen: 2.322 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN076296.D

Acq: 18 Jan 2023 15:46

Instrument :

MSVOA_N

ClientSampleId :

34254

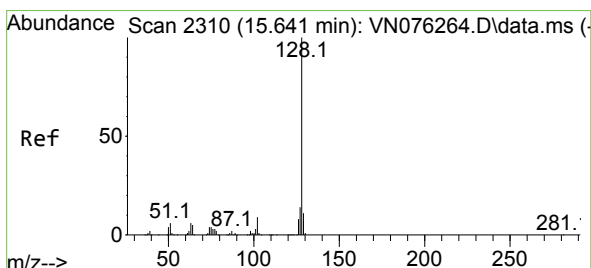
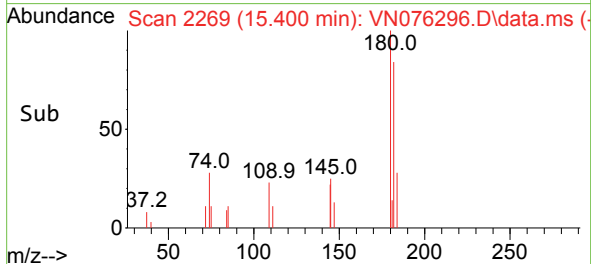
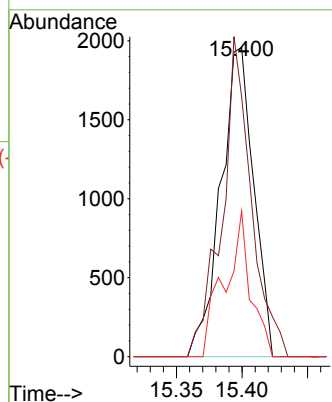
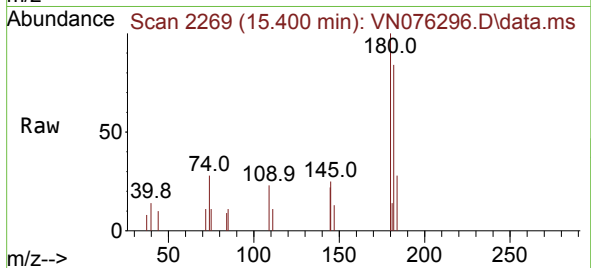
Tgt Ion:180 Resp: 3418

Ion Ratio Lower Upper

180 100

182 91.8 47.0 141.2

145 37.3 15.2 45.5



#95

Naphthalene

Concen: 3.587 ug/l

RT: 15.647 min Scan# 2311

Delta R.T. 0.006 min

Lab File: VN076296.D

Acq: 18 Jan 2023 15:46

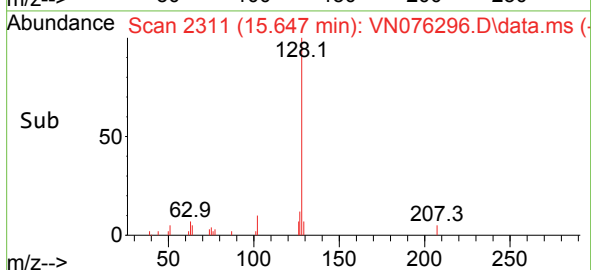
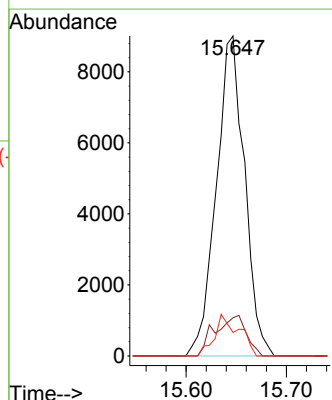
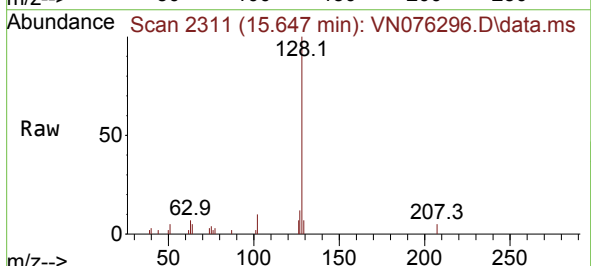
Tgt Ion:128 Resp: 17593

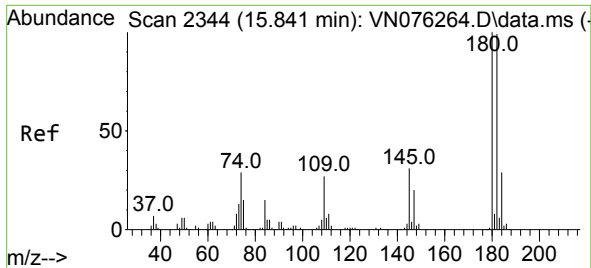
Ion Ratio Lower Upper

128 100

127 14.0 10.3 15.5

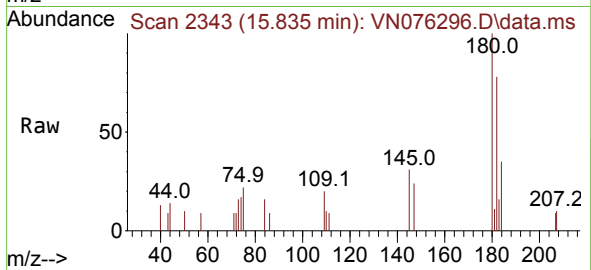
129 11.2 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.295 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN076296.D
 Acq: 18 Jan 2023 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 34254



Tgt Ion:	180	Resp:	3647
Ion	Ratio	Lower	Upper
180	100		
182	99.6	47.5	142.5
145	36.3	15.9	47.6

