

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012523\
 Data File : VN076391.D
 Acq On : 25 Jan 2023 10:47
 Operator : JC\MD
 Sample : VN0125MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0125MBL01

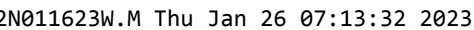
Quant Time: Jan 26 07:13:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

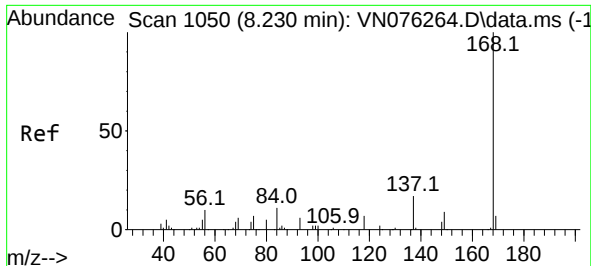
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	339771	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	545791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	459842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	171641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	201096	52.859	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.720%			
35) Dibromofluoromethane	8.177	113	169103	49.530	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.060%			
50) Toluene-d8	10.571	98	630586	50.011	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.020%			
62) 4-Bromofluorobenzene	12.853	95	185504	45.067	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.140%			
Target Compounds					Qvalue	
13) Acrolein	4.206	56	713	1.172	ug/l #	37
15) Acrylonitrile	5.736	53	846	0.584	ug/l #	54
16) Acetone	4.477	43	1318	1.008	ug/l #	41
17) Carbon Disulfide	4.724	76	1916	0.236	ug/l #	73
20) Methylene Chloride	5.295	84	719	Below Cal	#	82
25) 2-Butanone	7.500	43	704	0.378	ug/l #	40
31) Cyclohexane	8.230	56	7137	1.221	ug/l #	1
36) 1,1-Dichloropropene	8.236	75	26295	5.420	ug/l #	47
38) Carbon Tetrachloride	8.230	117	34842	6.440	ug/l #	17
51) 4-Methyl-2-Pentanone	10.447	43	1093	0.294	ug/l	99
59) 2-Hexanone	11.200	43	2736	1.016	ug/l	92
74) N-amyl acetate	12.500	43	1351	0.354	ug/l #	90
76) 1,2,3-Trichloropropane	12.853	75	101878	32.245	ug/l #	1
77) Bromobenzene	12.982	156	916	Below Cal		91
78) n-propylbenzene	13.035	91	3102	0.207	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.853	75	101878	98.757	ug/l #	11
87) 1,3-Dichlorobenzene	13.735	146	2662	0.425	ug/l	91
88) 1,4-Dichlorobenzene	13.735	146	2662	0.547	ug/l	91
89) n-Butylbenzene	14.053	91	3783	0.422	ug/l	99
91) 1,2-Dichlorobenzene	14.112	146	2575	0.413	ug/l	91
93) 1,2,4-Trichlorobenzene	15.388	180	3621	2.476	ug/l	98
94) Hexachlorobutadiene	15.500	225	344	0.208	ug/l #	41
95) Naphthalene	15.641	128	15335	3.495	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	4444	2.666	ug/l	98

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

Quant Time: Jan 26 07:13:23 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

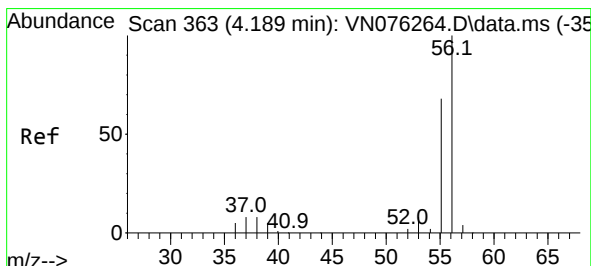
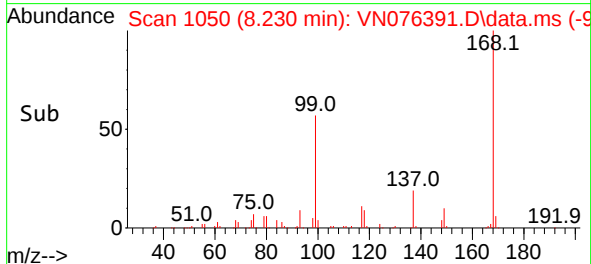
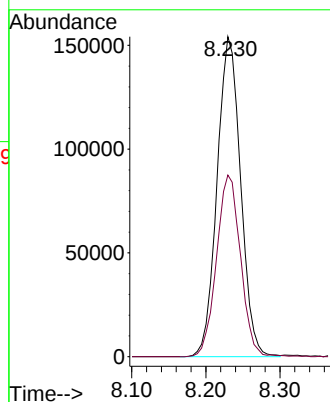
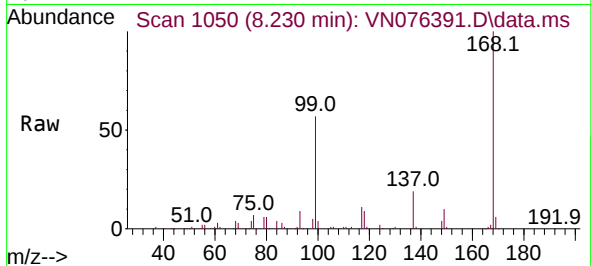




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076391.D
Acq: 25 Jan 2023 10:47

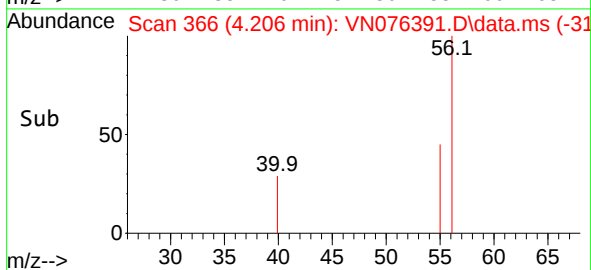
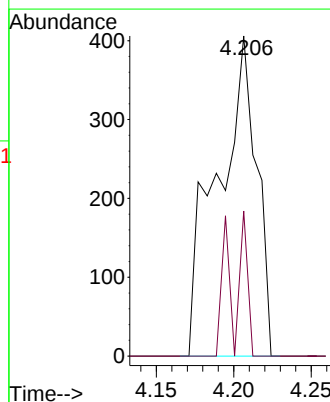
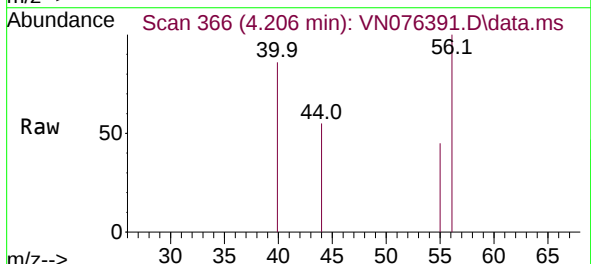
Instrument :
MSVOA_N
ClientSampleId :
VN0125MBL01

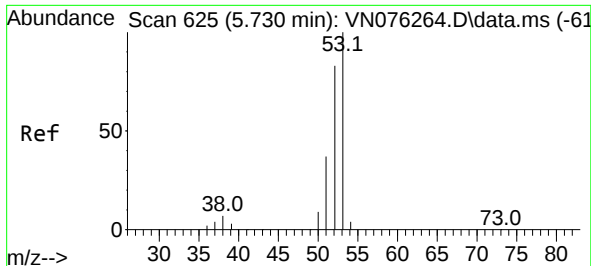
Tgt Ion:168 Resp: 339771
Ion Ratio Lower Upper
168 100
99 56.7 41.6 62.4



#13
Acrolein
Concen: 1.172 ug/l
RT: 4.206 min Scan# 366
Delta R.T. 0.017 min
Lab File: VN076391.D
Acq: 25 Jan 2023 10:47

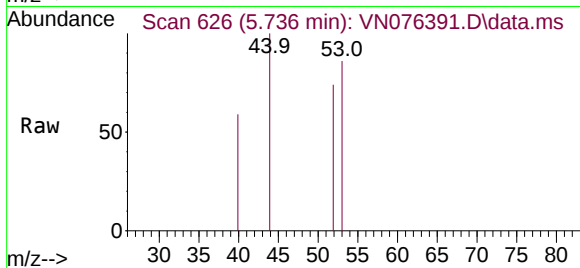
Tgt Ion: 56 Resp: 713
Ion Ratio Lower Upper
56 100
55 18.0 55.8 83.6#



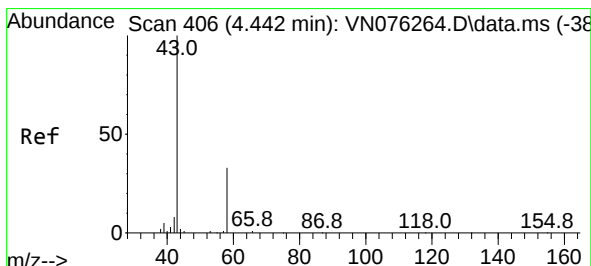
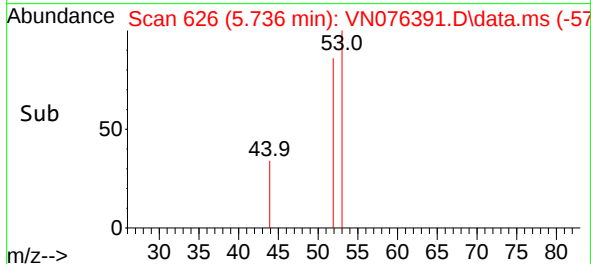
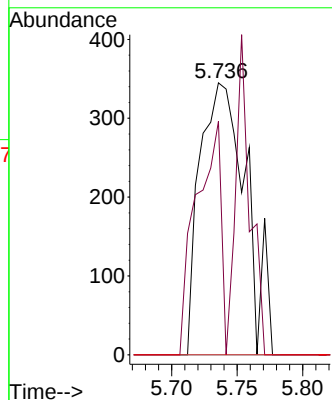


#15
Acrylonitrile
Concen: 0.584 ug/l
RT: 5.736 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN076391.D
Acq: 25 Jan 2023 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0125MBL01

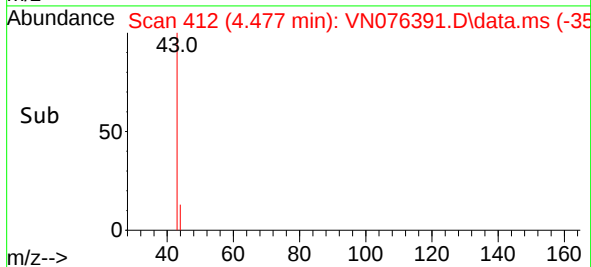
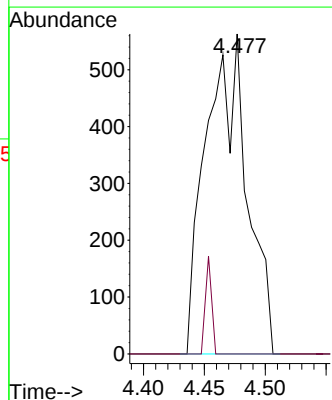
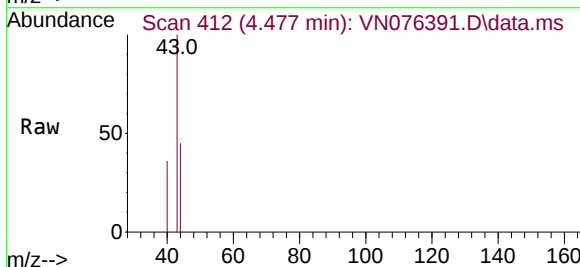


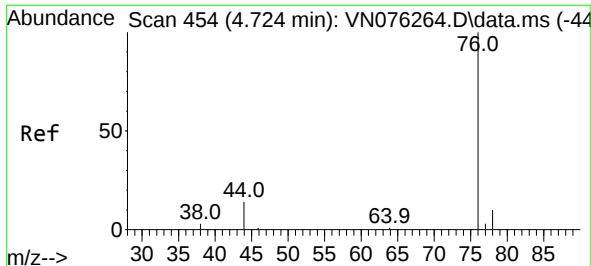
Tgt Ion: 53 Resp: 846
Ion Ratio Lower Upper
53 100
52 45.9 64.7 97.1#
51 0.0 29.2 43.8#



#16
Acetone
Concen: 1.008 ug/l
RT: 4.477 min Scan# 412
Delta R.T. 0.035 min
Lab File: VN076391.D
Acq: 25 Jan 2023 10:47

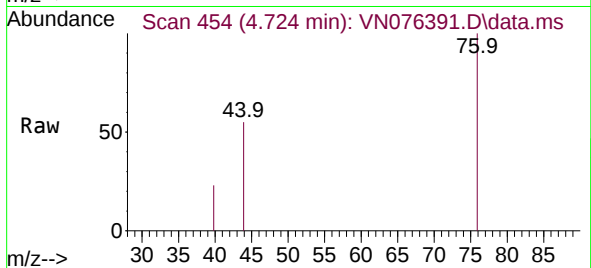
Tgt Ion: 43 Resp: 1318
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#



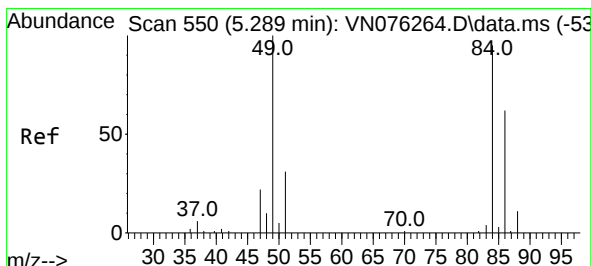
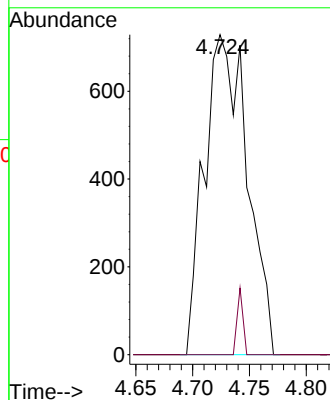
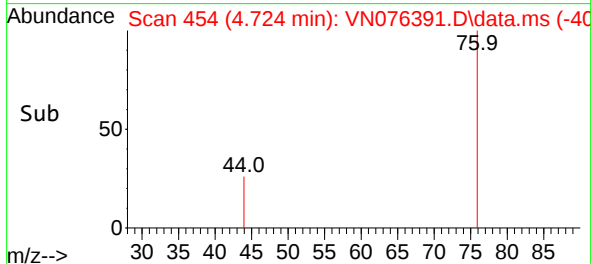


#17
Carbon Disulfide
Concen: 0.236 ug/l
RT: 4.724 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN076391.D
Acq: 25 Jan 2023 10:47

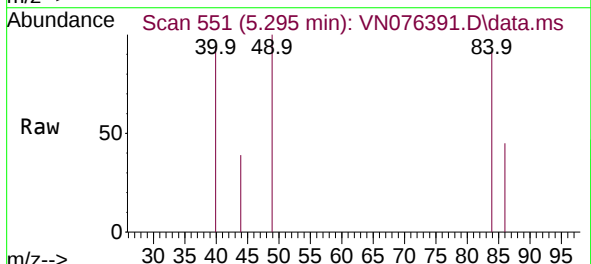
Instrument :
MSVOA_N
ClientSampleId :
VN0125MBL01



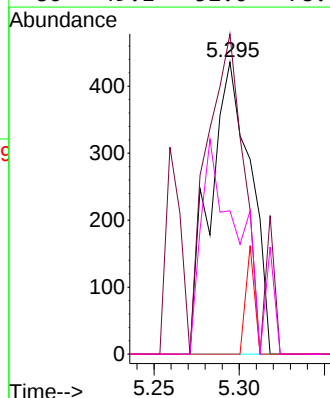
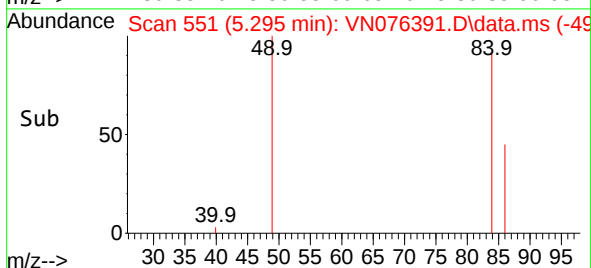
Tgt Ion: 76 Resp: 1916
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#

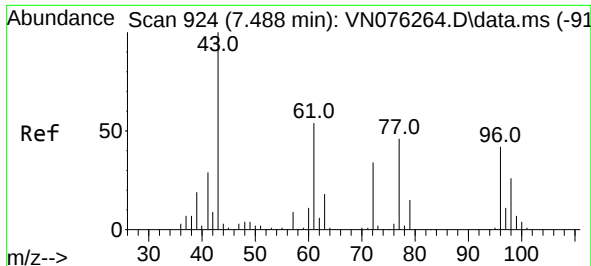


#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 551
Delta R.T. 0.006 min
Lab File: VN076391.D
Acq: 25 Jan 2023 10:47



Tgt Ion: 84 Resp: 719
Ion Ratio Lower Upper
84 100
49 109.6 84.5 126.7
51 0.0 26.0 39.0#
86 49.1 52.0 78.0#





#25

2-Butanone

Concen: 0.378 ug/l

RT: 7.500 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN076391.D

Acq: 25 Jan 2023 10:47

Instrument :

MSVOA_N

ClientSampleId :

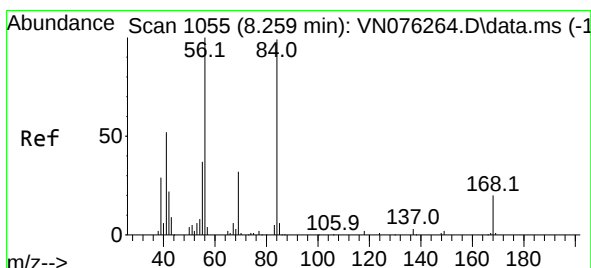
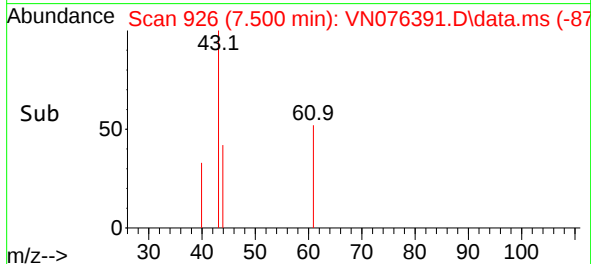
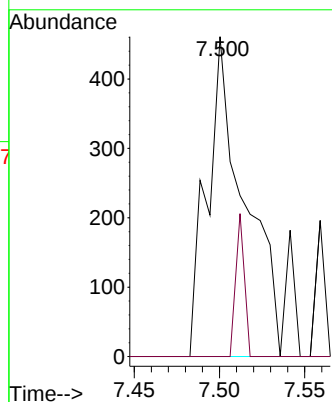
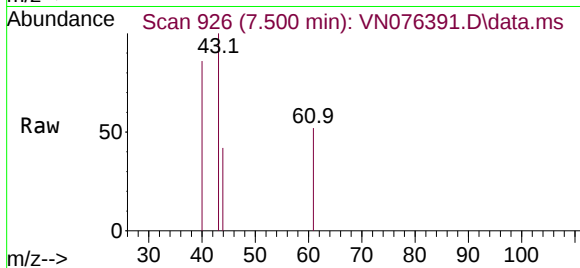
VN0125MBL01

Tgt Ion: 43 Resp: 704

Ion Ratio Lower Upper

43 100

72 0.0 27.4 41.2#



#31

Cyclohexane

Concen: 1.221 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.029 min

Lab File: VN076391.D

Acq: 25 Jan 2023 10:47

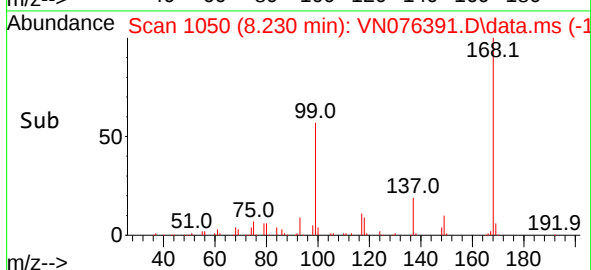
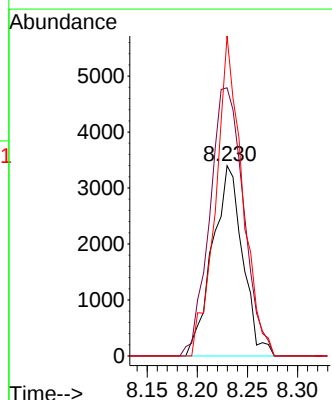
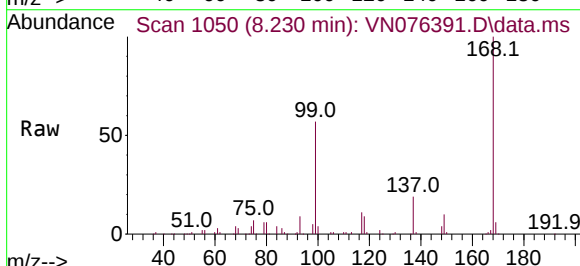
Tgt Ion: 56 Resp: 7137

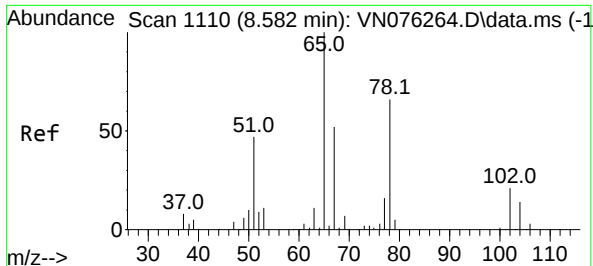
Ion Ratio Lower Upper

56 100

69 141.0 25.8 38.8#

84 168.2 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 52.859 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN076391.D

Acq: 25 Jan 2023 10:47

Instrument :

MSVOA_N

ClientSampleId :

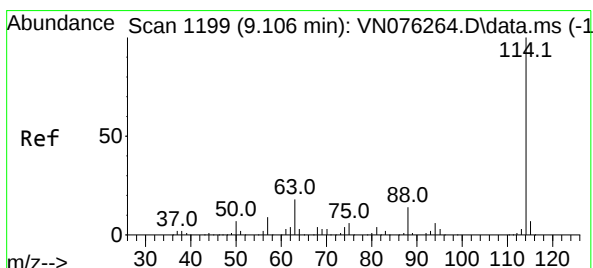
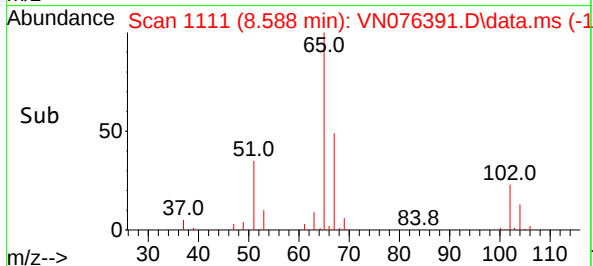
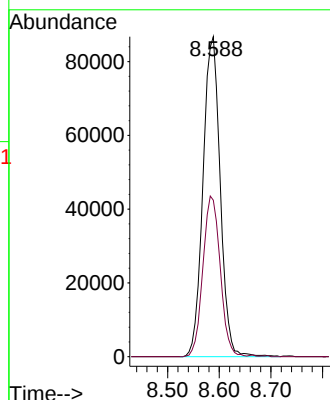
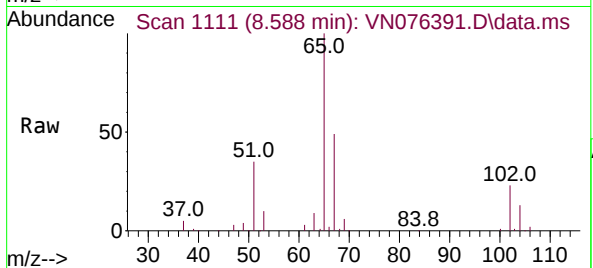
VN0125MBL01

Tgt Ion: 65 Resp: 201096

Ion Ratio Lower Upper

65 100

67 50.4 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: VN076391.D

Acq: 25 Jan 2023 10:47

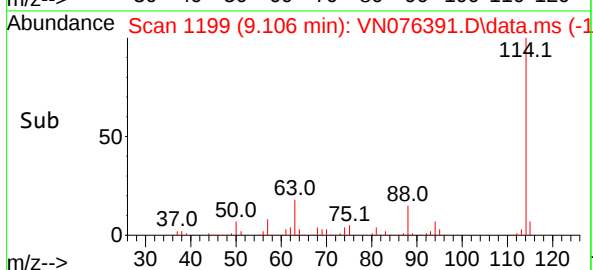
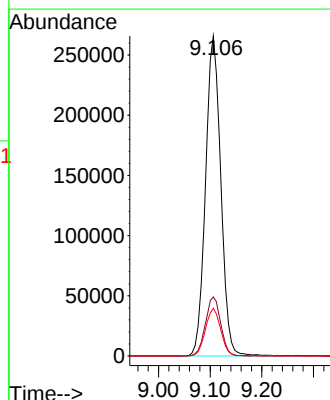
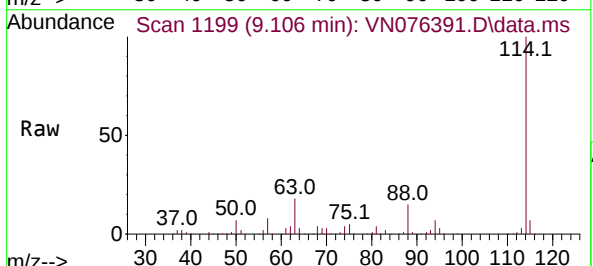
Tgt Ion: 114 Resp: 545791

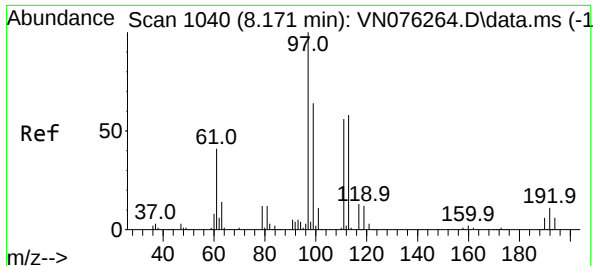
Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.8

88 14.9 0.0 28.0





#35

Dibromofluoromethane

Concen: 49.530 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VN076391.D

Acq: 25 Jan 2023 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0125MBL01

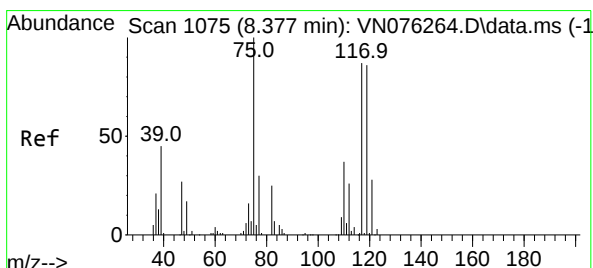
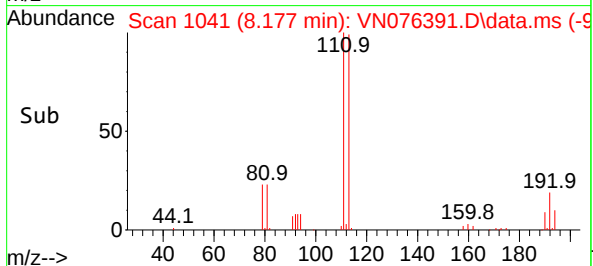
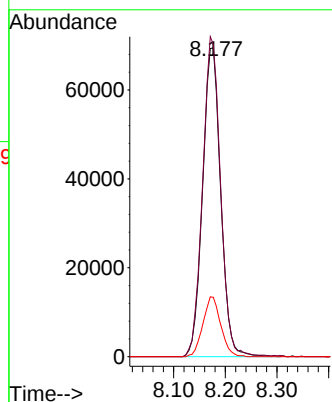
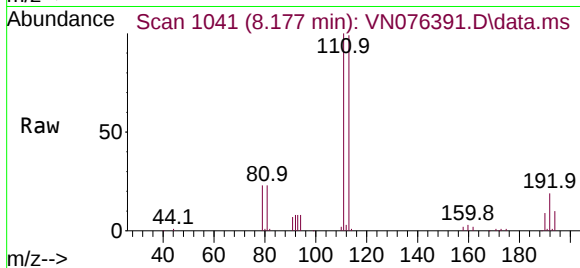
Tgt Ion:113 Resp: 169103

Ion Ratio Lower Upper

113 100

111 102.6 82.7 124.1

192 19.1 15.6 23.4



#36

1,1-Dichloropropene

Concen: 5.420 ug/l

RT: 8.236 min Scan# 1051

Delta R.T. -0.141 min

Lab File: VN076391.D

Acq: 25 Jan 2023 10:47

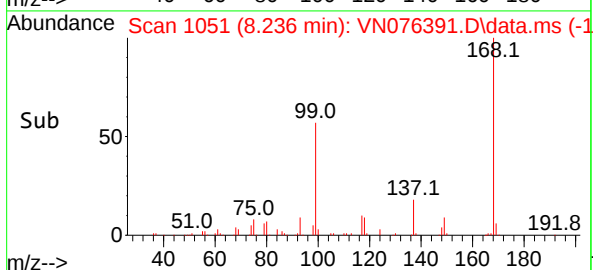
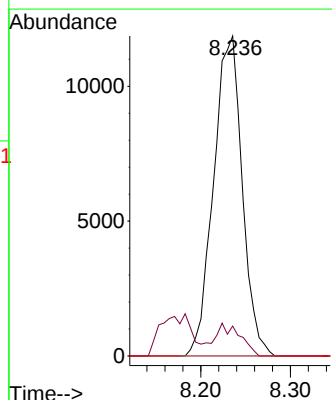
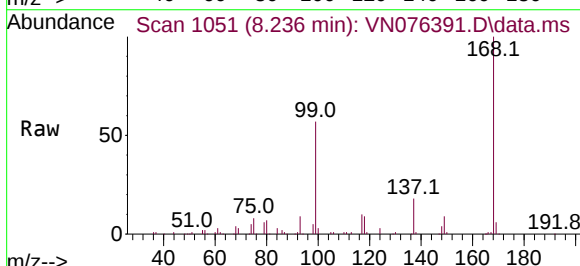
Tgt Ion: 75 Resp: 26295

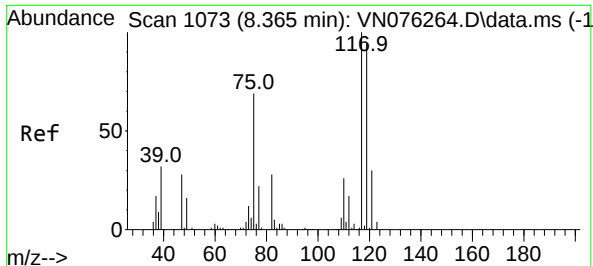
Ion Ratio Lower Upper

75 100

110 8.0 18.8 56.3#

77 0.0 25.0 37.4#

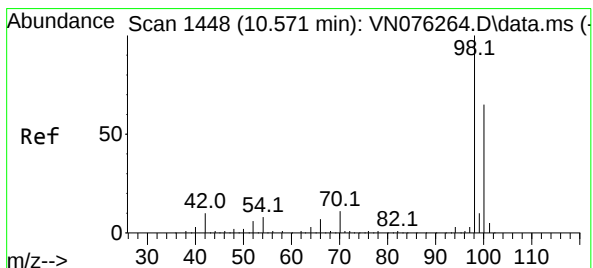
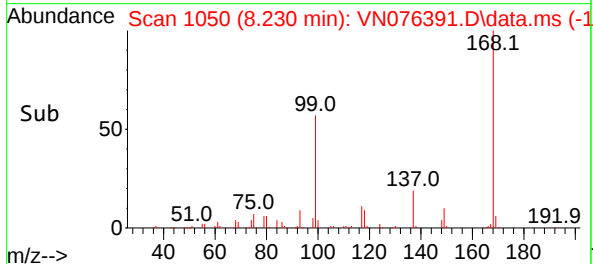
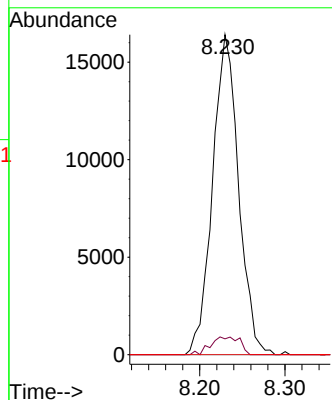
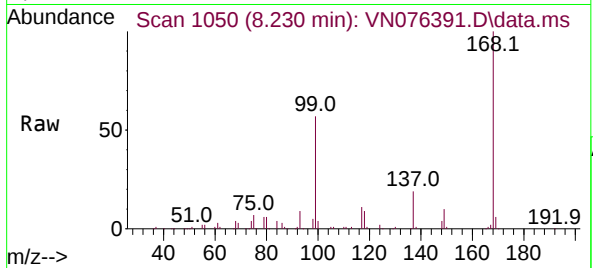




#38
Carbon Tetrachloride
Concen: 6.440 ug/l
RT: 8.230 min Scan# 1073
Delta R.T. -0.135 min
Lab File: VN076391.D
Acq: 25 Jan 2023 10:47

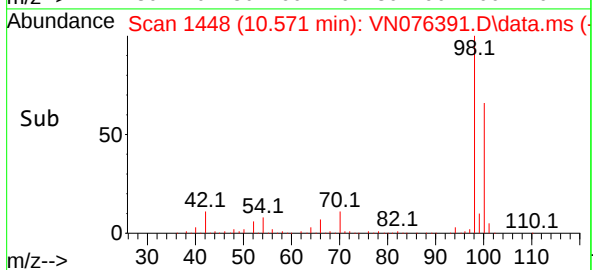
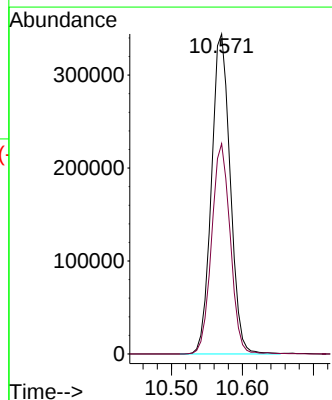
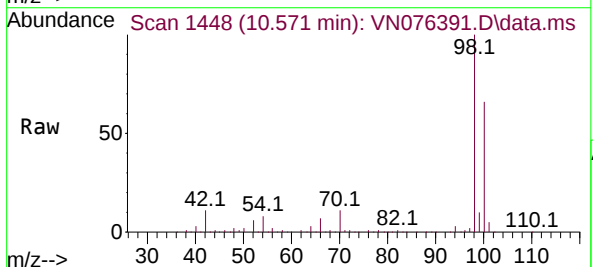
Instrument :
MSVOA_N
ClientSampleId :
VN0125MBL01

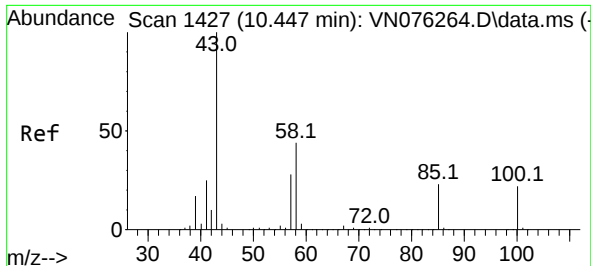
Tgt Ion:117 Resp: 34842
Ion Ratio Lower Upper
117 100
119 4.9 75.4 113.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.011 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076391.D
Acq: 25 Jan 2023 10:47

Tgt Ion: 98 Resp: 630586
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4

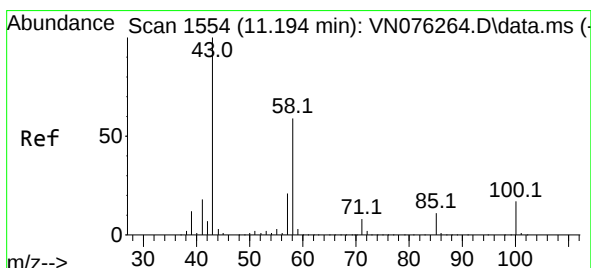
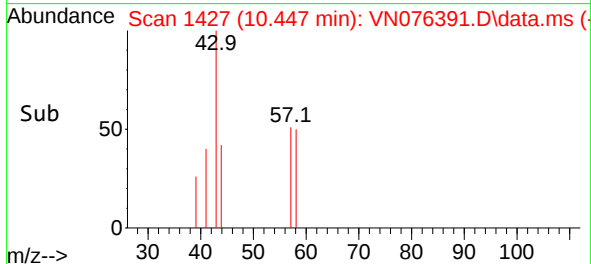
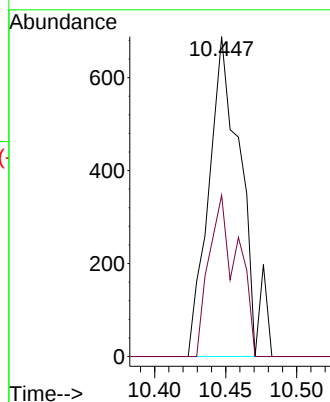
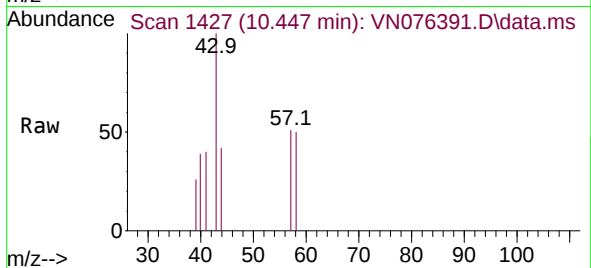




#51
4-Methyl-2-Pentanone
Concen: 0.294 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076391.D
Acq: 25 Jan 2023 10:47

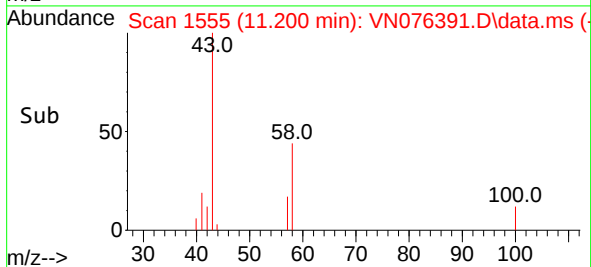
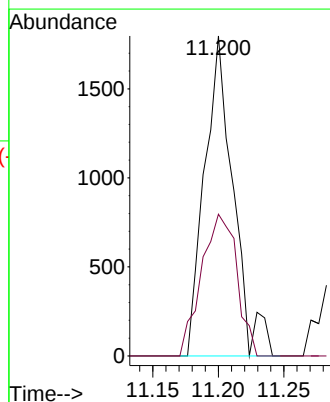
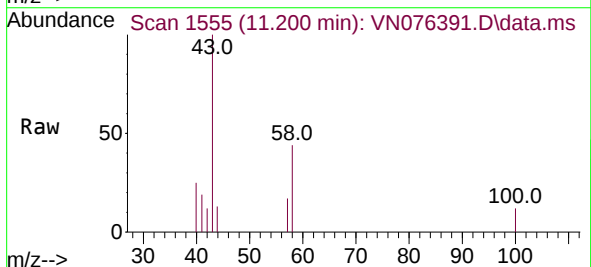
Instrument :
MSVOA_N
ClientSampleId :
VN0125MBL01

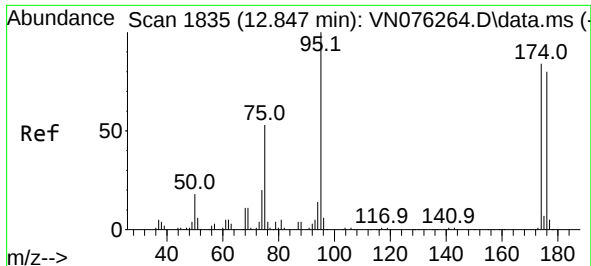
Tgt Ion: 43 Resp: 1093
Ion Ratio Lower Upper
43 100
58 44.7 35.1 52.7



#59
2-Hexanone
Concen: 1.016 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN076391.D
Acq: 25 Jan 2023 10:47

Tgt Ion: 43 Resp: 2736
Ion Ratio Lower Upper
43 100
58 54.4 30.1 90.3

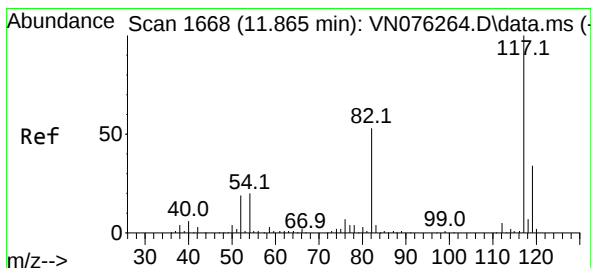
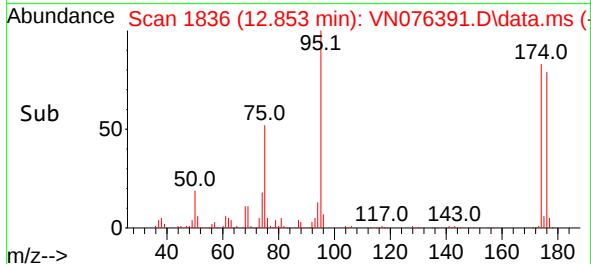
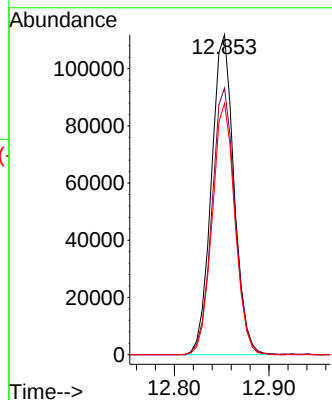
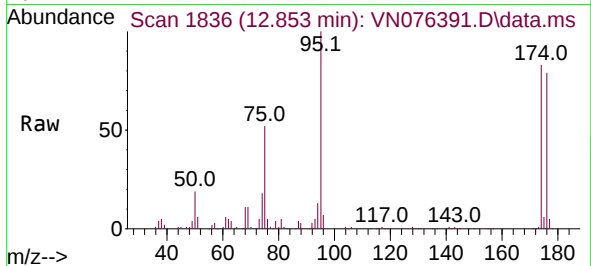




#62
4-Bromofluorobenzene
Concen: 45.067 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076391.D
Acq: 25 Jan 2023 10:47

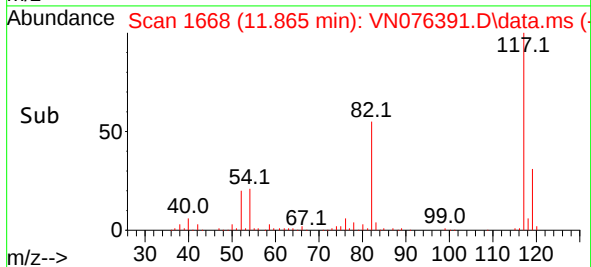
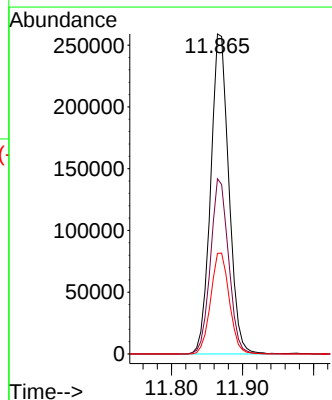
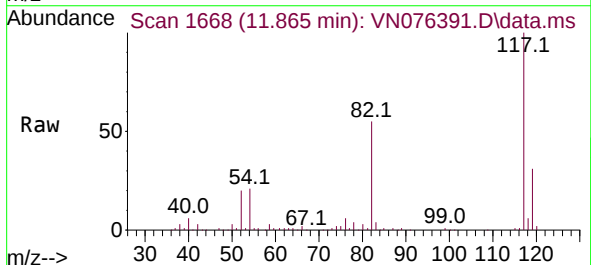
Instrument :
MSVOA_N
ClientSampleId :
VN0125MBL01

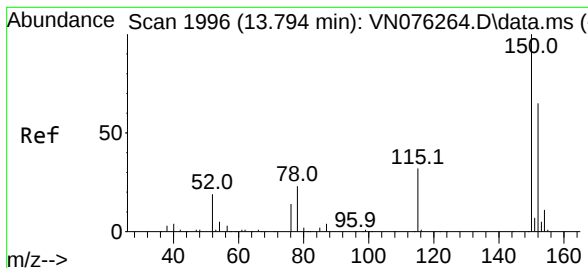
Tgt Ion: 95 Resp: 185504
Ion Ratio Lower Upper
95 100
174 85.0 0.0 174.6
176 78.9 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN076391.D
Acq: 25 Jan 2023 10:47

Tgt Ion: 117 Resp: 459842
Ion Ratio Lower Upper
117 100
82 54.7 42.2 63.2
119 31.5 26.9 40.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. 0.000 min

Lab File: VN076391.D

Acq: 25 Jan 2023 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0125MBL01

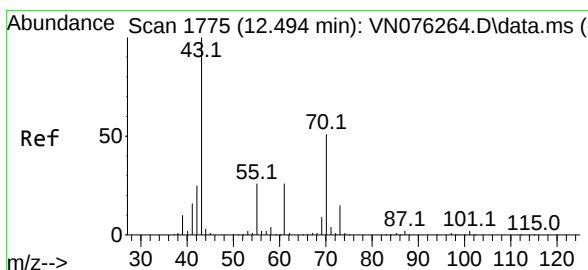
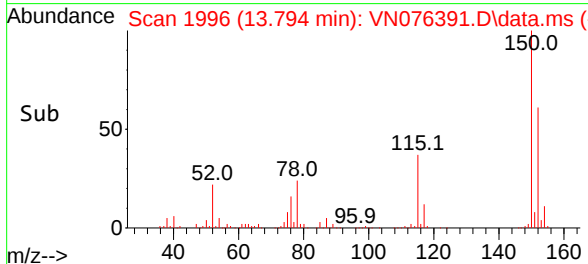
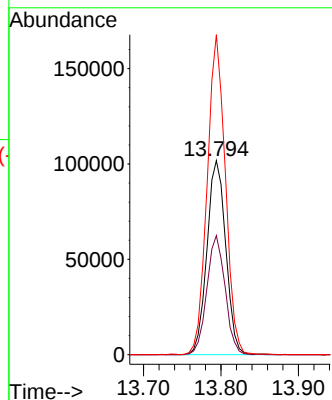
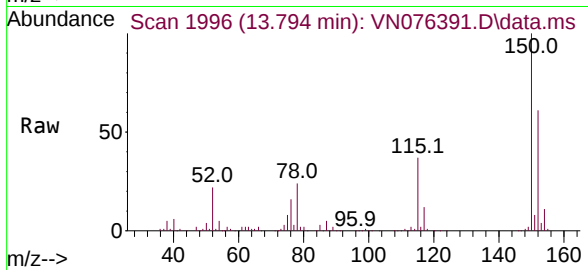
Tgt Ion:152 Resp: 171641

Ion Ratio Lower Upper

152 100

115 59.5 29.6 88.9

150 159.1 0.0 351.4



#74

N-ethyl acetate

Concen: 0.354 ug/l

RT: 12.500 min Scan# 1776

Delta R.T. 0.006 min

Lab File: VN076391.D

Acq: 25 Jan 2023 10:47

Tgt Ion: 43 Resp: 1351

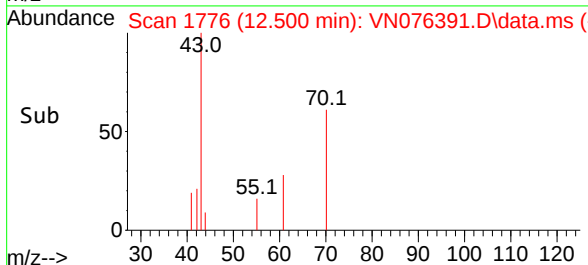
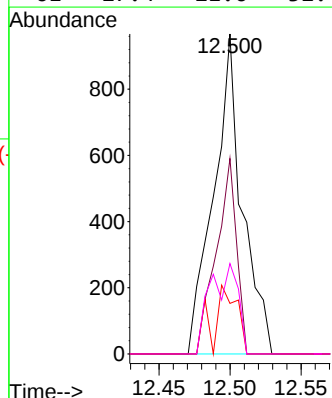
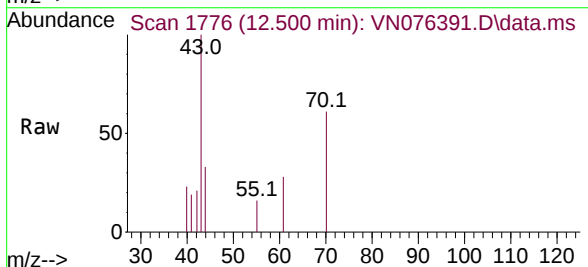
Ion Ratio Lower Upper

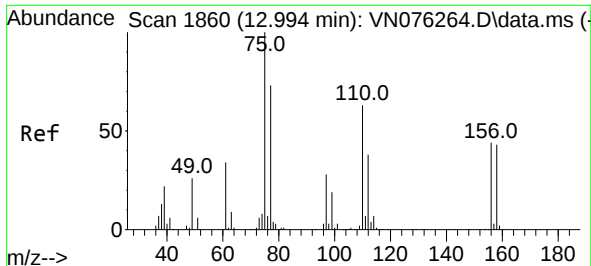
43 100

70 43.7 41.2 61.8

55 18.0 21.0 31.6#

61 27.4 21.6 32.4

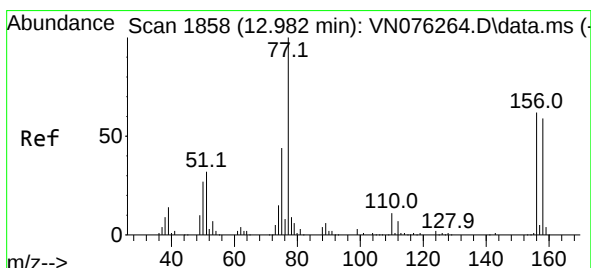
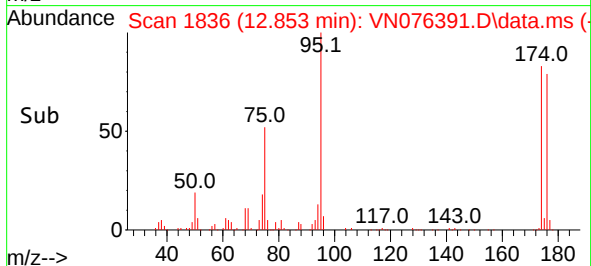
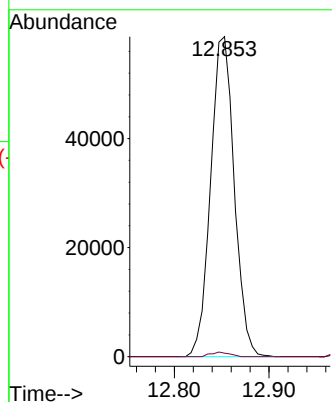
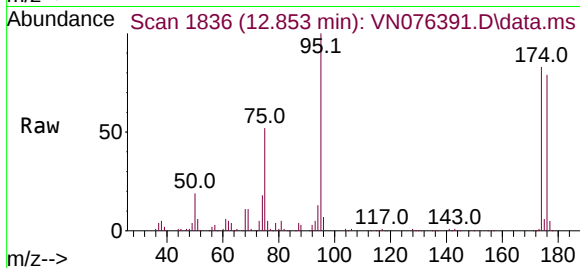




#76
1,2,3-Trichloropropane
Concen: 32.245 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076391.D
Acq: 25 Jan 2023 10:47

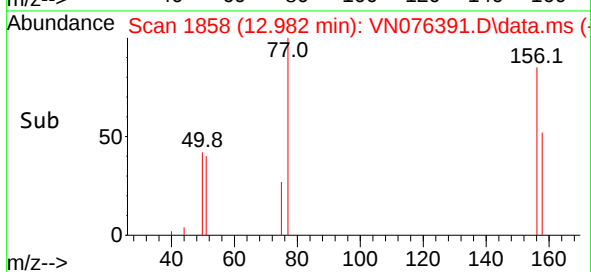
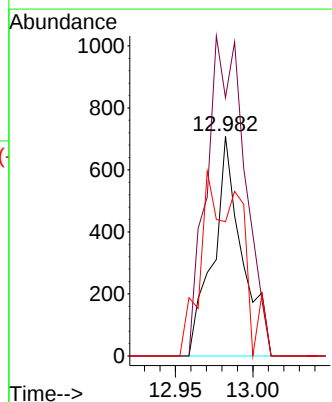
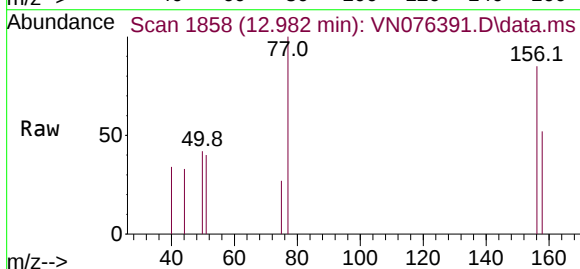
Instrument :
MSVOA_N
ClientSampleId :
VN0125MBL01

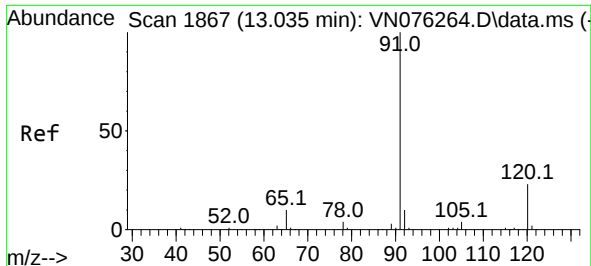
Tgt Ion: 75 Resp: 101878
Ion Ratio Lower Upper
75 100
77 1.1 75.2 225.6#



#77
Bromobenzene
Concen: Below Cal
RT: 12.982 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN076391.D
Acq: 25 Jan 2023 10:47

Tgt Ion:156 Resp: 916
Ion Ratio Lower Upper
156 100
77 191.8 93.4 280.2
158 116.7 48.4 145.2

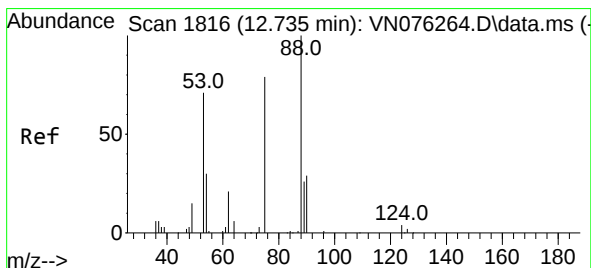
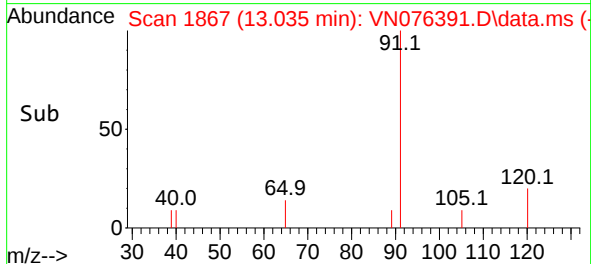
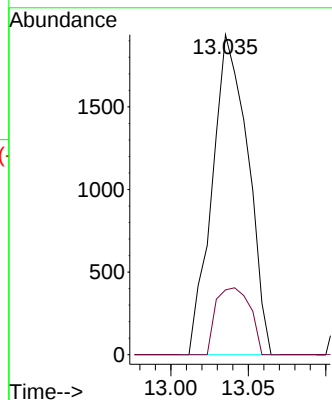
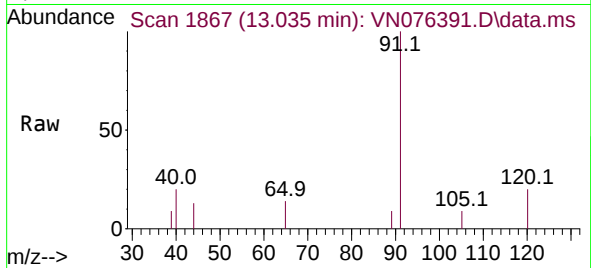




#78
n-propylbenzene
Concen: 0.207 ug/l
RT: 13.035 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN076391.D
Acq: 25 Jan 2023 10:47

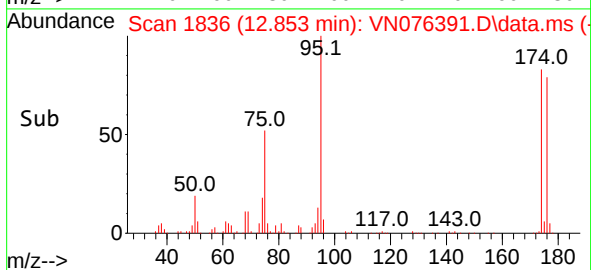
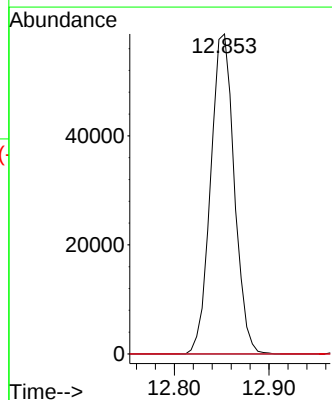
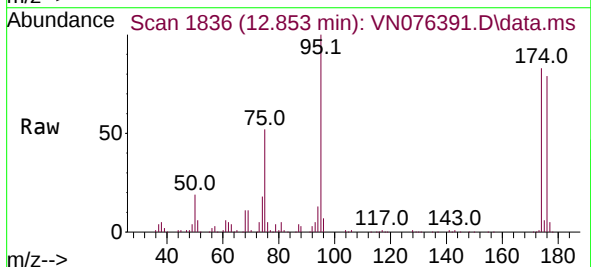
Instrument :
MSVOA_N
ClientSampleId :
VN0125MBL01

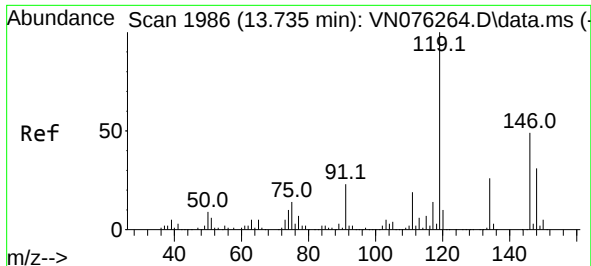
Tgt Ion: 91 Resp: 3102
Ion Ratio Lower Upper
91 100
120 20.0 11.9 35.5



#81
trans-1,4-Dichloro-2-butene
Concen: 98.757 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076391.D
Acq: 25 Jan 2023 10:47

Tgt Ion: 75 Resp: 101878
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: 0.425 ug/l

RT: 13.735 min Scan# 1986

Delta R.T. 0.000 min

Lab File: VN076391.D

Acq: 25 Jan 2023 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0125MBL01

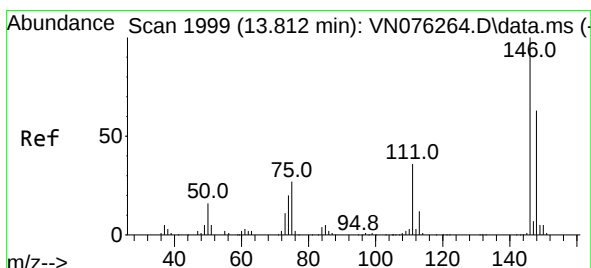
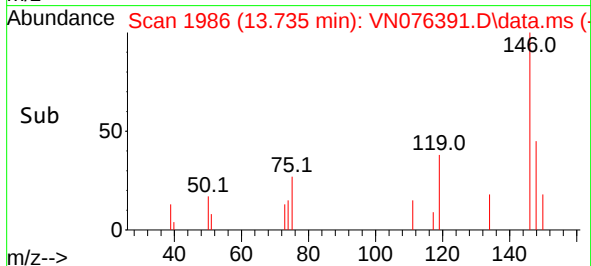
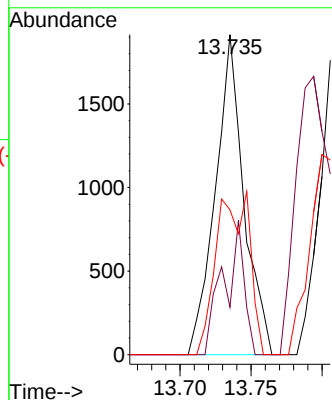
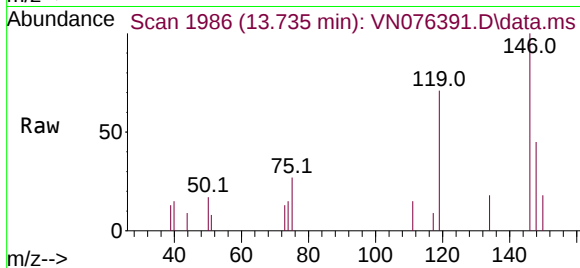
Tgt Ion:146 Resp: 2662

Ion Ratio Lower Upper

146 100

111 30.0 19.9 59.7

148 59.0 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 0.547 ug/l

RT: 13.735 min Scan# 1986

Delta R.T. -0.077 min

Lab File: VN076391.D

Acq: 25 Jan 2023 10:47

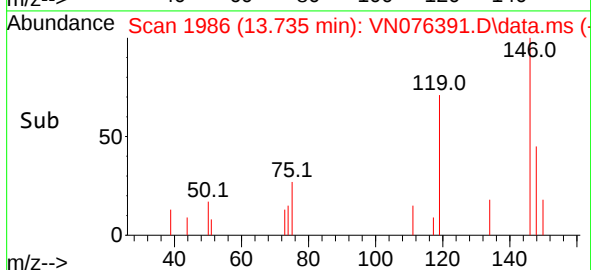
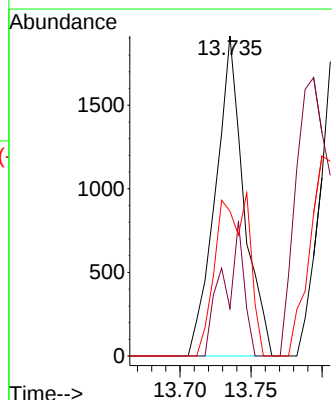
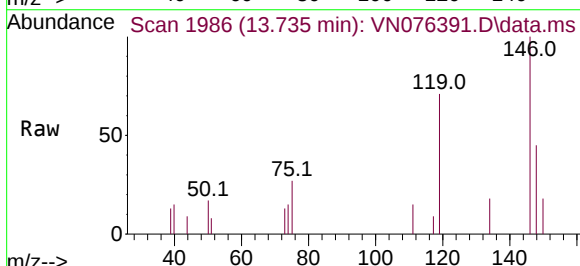
Tgt Ion:146 Resp: 2662

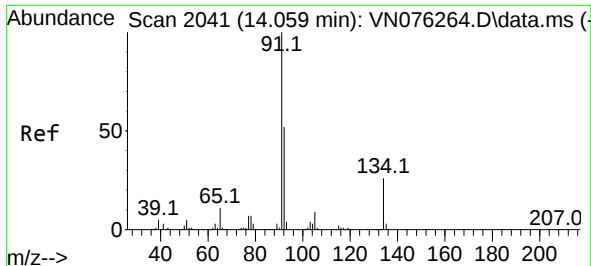
Ion Ratio Lower Upper

146 100

111 30.0 19.1 57.5

148 59.0 31.9 95.9





#89

n-Butylbenzene

Concen: 0.422 ug/l

RT: 14.053 min Scan# 2040

Delta R.T. -0.006 min

Lab File: VN076391.D

Acq: 25 Jan 2023 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0125MBL01

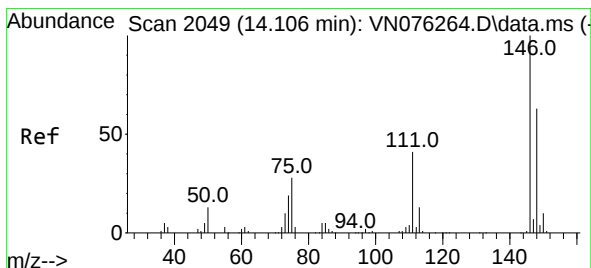
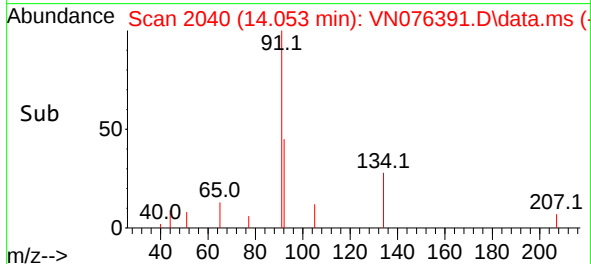
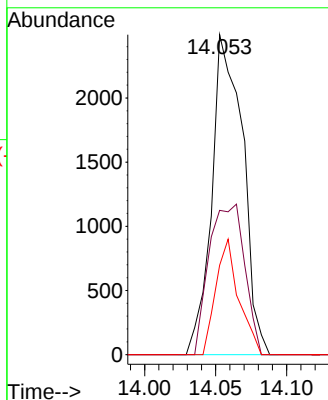
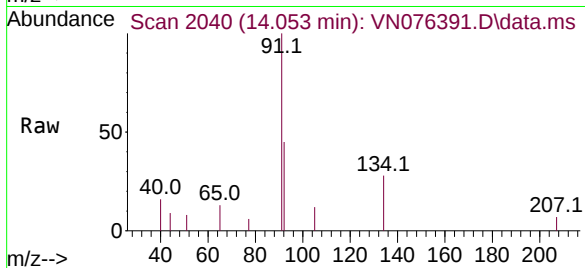
Tgt Ion: 91 Resp: 3783

Ion Ratio Lower Upper

91 100

92 53.8 26.3 78.9

134 26.7 13.2 39.5



#91

1,2-Dichlorobenzene

Concen: 0.413 ug/l

RT: 14.112 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VN076391.D

Acq: 25 Jan 2023 10:47

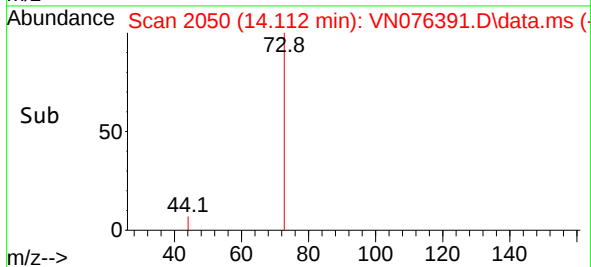
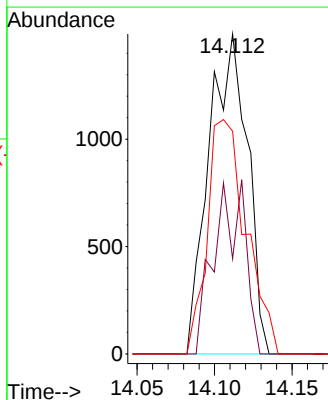
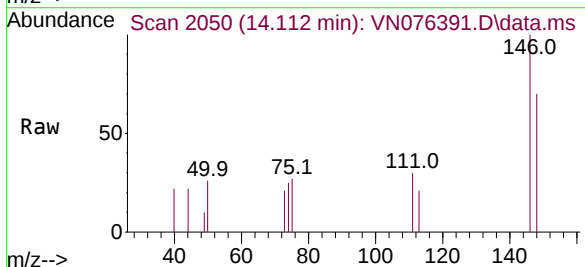
Tgt Ion:146 Resp: 2575

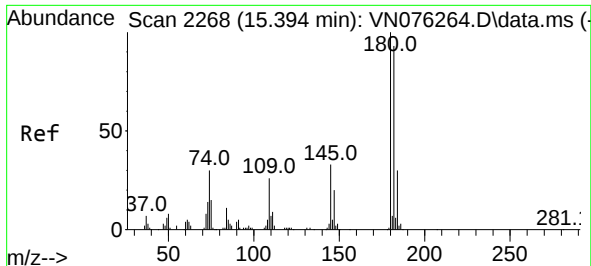
Ion Ratio Lower Upper

146 100

111 42.9 20.3 60.8

148 73.6 31.8 95.4





#93

1,2,4-Trichlorobenzene

Concen: 2.476 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN076391.D

Acq: 25 Jan 2023 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0125MBL01

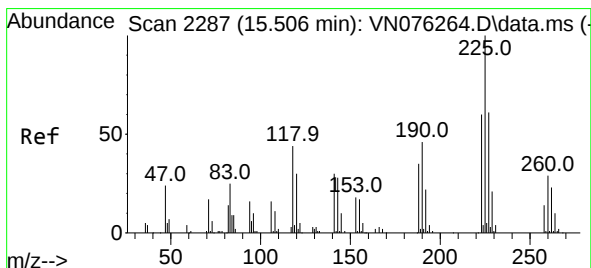
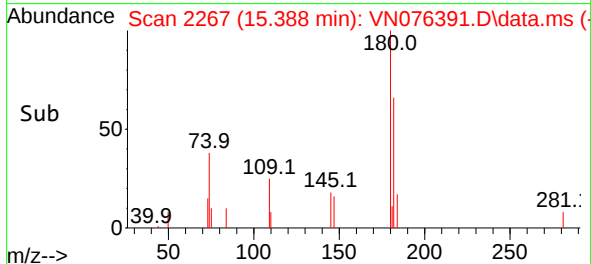
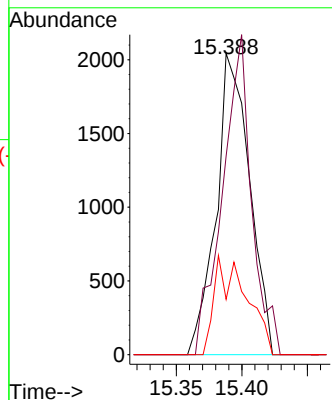
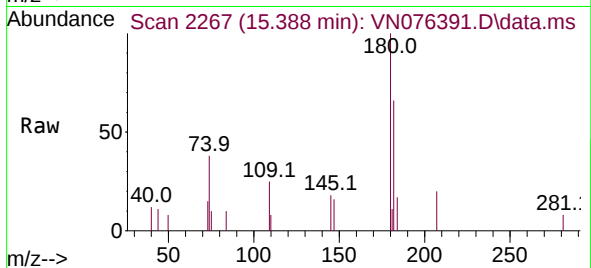
Tgt Ion:180 Resp: 3621

Ion Ratio Lower Upper

180 100

182 92.5 47.0 141.2

145 31.3 15.2 45.5



#94

Hexachlorobutadiene

Concen: 0.208 ug/l

RT: 15.500 min Scan# 2286

Delta R.T. -0.006 min

Lab File: VN076391.D

Acq: 25 Jan 2023 10:47

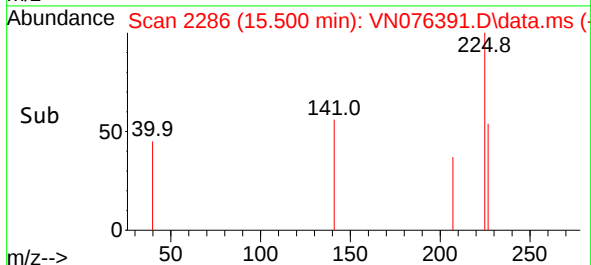
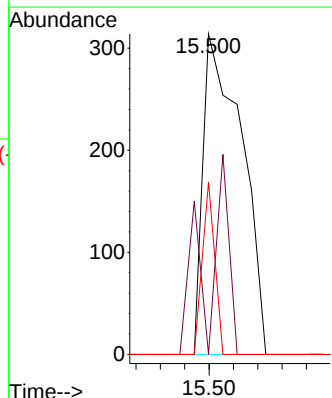
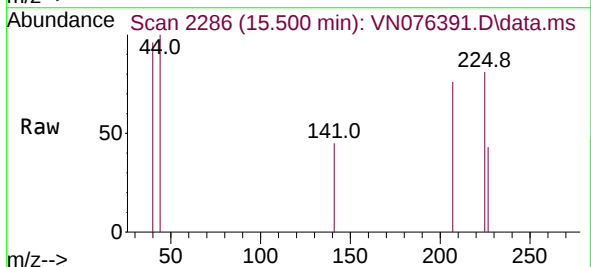
Tgt Ion:225 Resp: 344

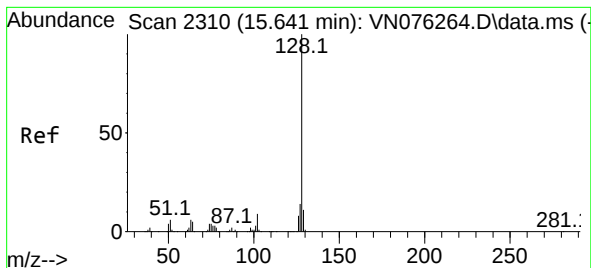
Ion Ratio Lower Upper

225 100

223 15.4 30.8 92.3#

227 17.4 30.9 92.8#





#95

Naphthalene

Concen: 3.495 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN076391.D

Acq: 25 Jan 2023 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0125MBL01

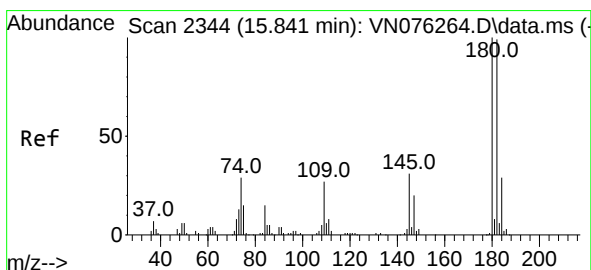
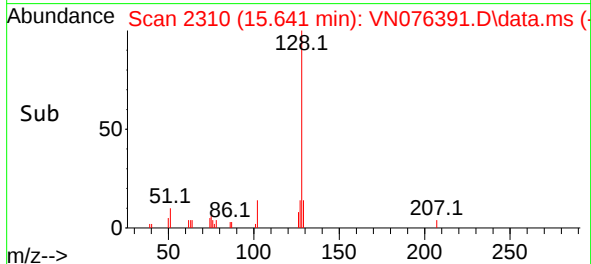
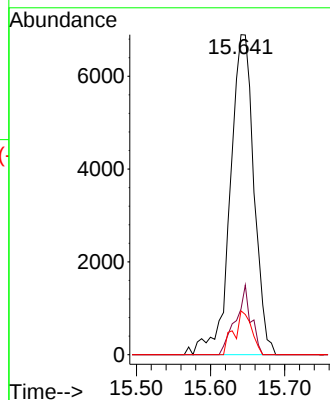
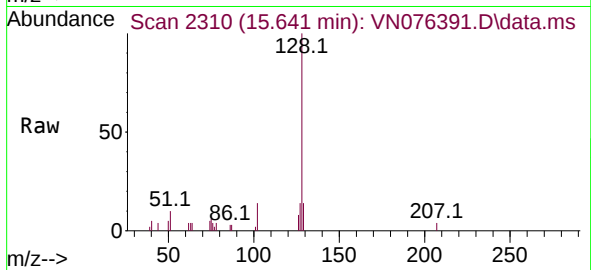
Tgt Ion:128 Resp: 15335

Ion Ratio Lower Upper

128 100

127 14.1 10.3 15.5

129 10.2 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.666 ug/l

RT: 15.847 min Scan# 2345

Delta R.T. 0.006 min

Lab File: VN076391.D

Acq: 25 Jan 2023 10:47

Tgt Ion:180 Resp: 4444

Ion Ratio Lower Upper

180 100

182 94.1 47.5 142.5

145 29.2 15.9 47.6

