

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
 Data File : VN076017.D
 Acq On : 28 Dec 2022 22:55
 Operator : JC\MD
 Sample : VN1228WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1228WBL02

Quant Time: Dec 29 07:21:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

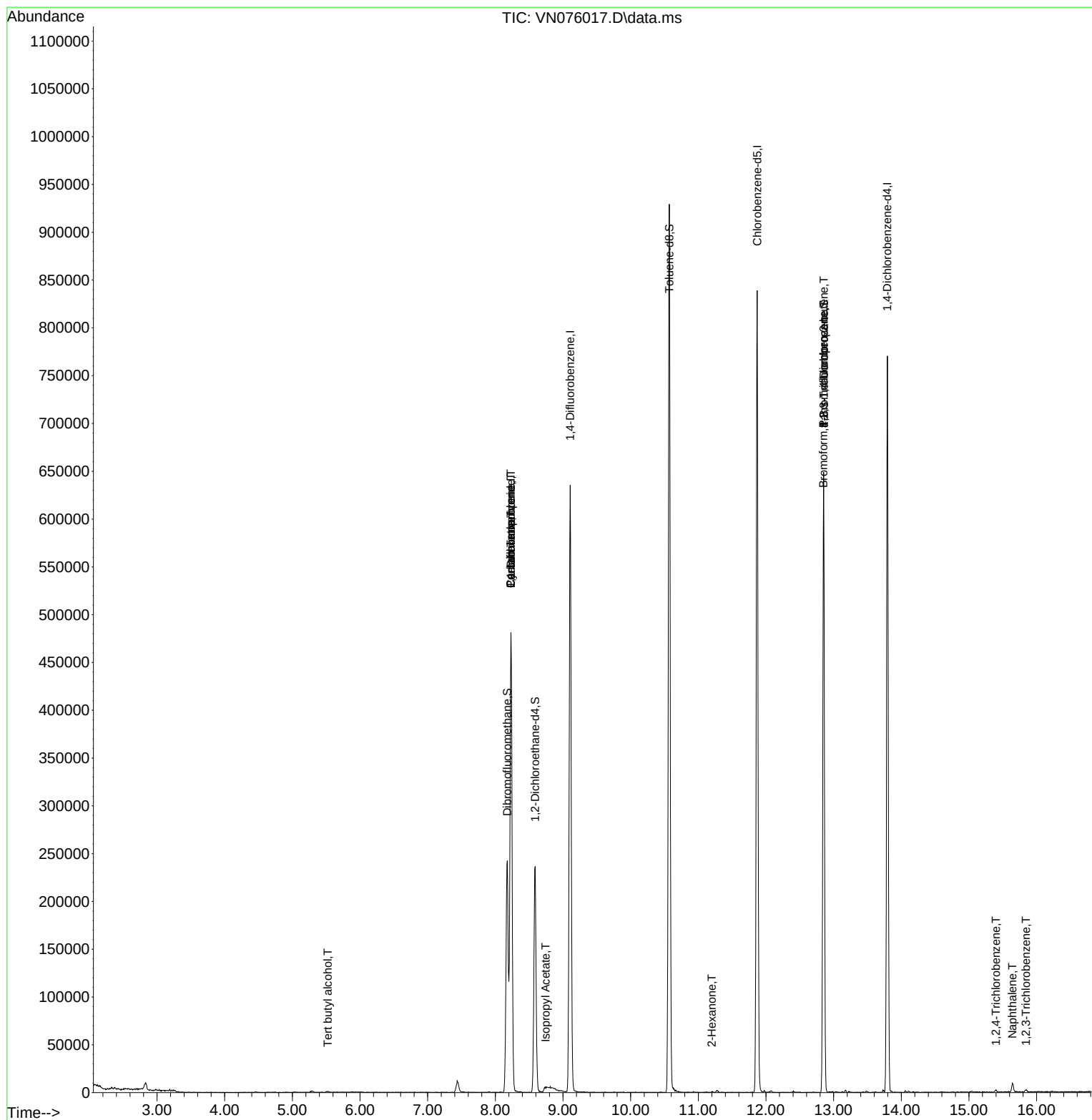
Internal Standards						
1) Pentafluorobenzene	8.230	168	378316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	595222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	505936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	219970	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	188303	45.752	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.500%		
35) Dibromofluoromethane	8.177	113	171720	46.586	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.180%		
50) Toluene-d8	10.571	98	668089	48.475	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.960%		
62) 4-Bromofluorobenzene	12.853	95	212562	46.566	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.140%		
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.524	59	460	0.790 ug/l	#	72
20) Methylene Chloride	5.300	84	731	Below Cal	#	86
31) Cyclohexane	8.230	56	6971	1.183 ug/l	#	12
36) 1,1-Dichloropropene	8.230	75	26760	5.465 ug/l	#	49
38) Carbon Tetrachloride	8.230	117	35547	6.486 ug/l	#	16
43) Isopropyl Acetate	8.741	43	3280	0.506 ug/l	#	50
59) 2-Hexanone	11.200	43	723	0.253 ug/l	#	40
71) Bromoform	12.847	173	1465	0.523 ug/l	#	1
76) 1,2,3-Trichloropropane	12.853	75	108467	24.462 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	108467	88.052 ug/l	#	12
93) 1,2,4-Trichlorobenzene	15.400	180	1037	0.286 ug/l		84
95) Naphthalene	15.641	128	10113	2.985 ug/l		97
96) 1,2,3-Trichlorobenzene	15.841	180	1389	0.410 ug/l		96

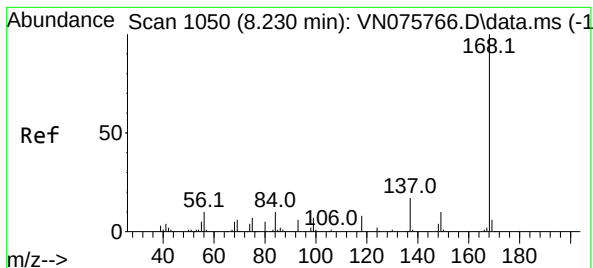
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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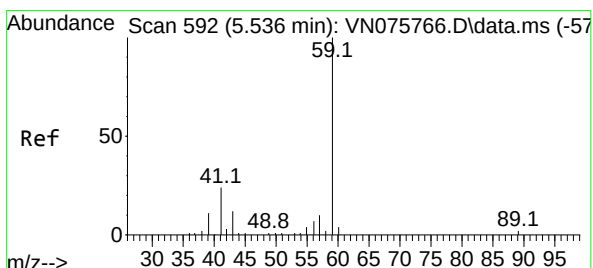
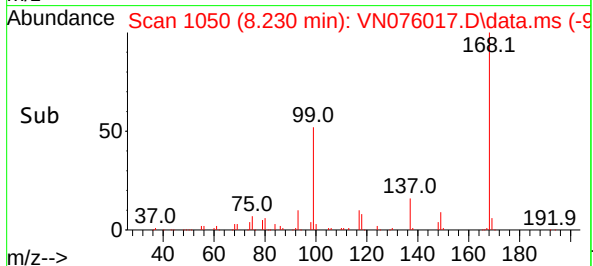
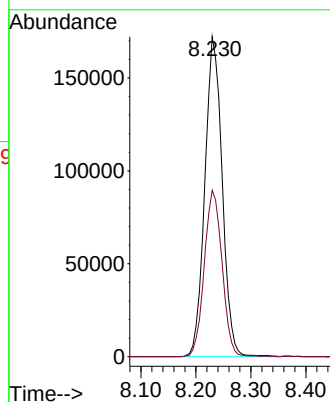
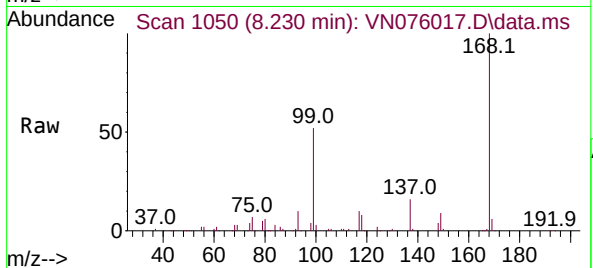




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN076017.D
Acq: 28 Dec 2022 22:55

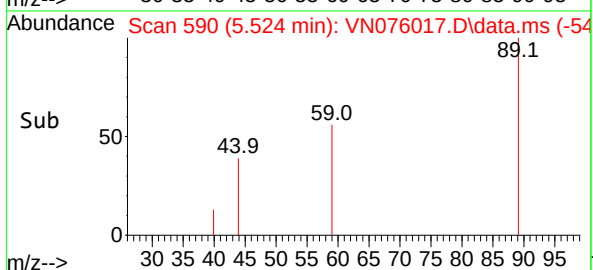
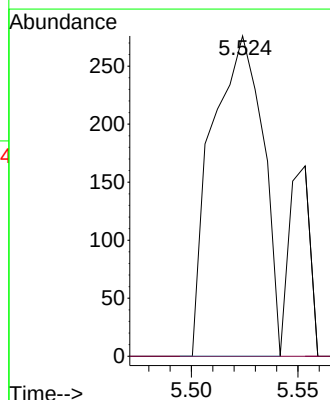
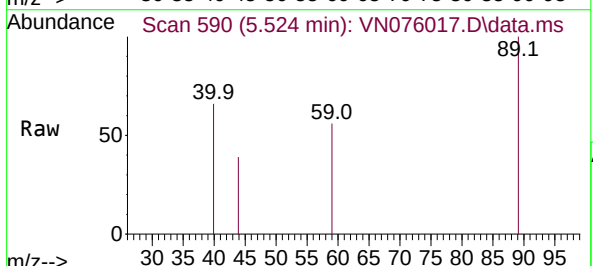
Instrument :
MSVOA_N
ClientSampleId :
VN1228WBL02

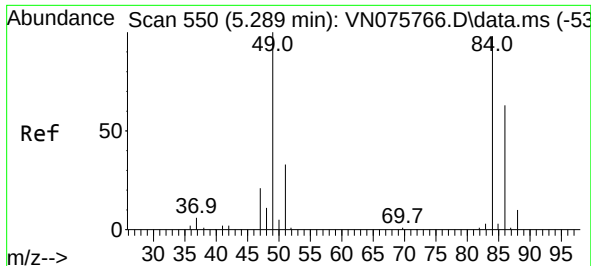
Tgt Ion:168 Resp: 378316
Ion Ratio Lower Upper
168 100
99 52.0 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.790 ug/l
RT: 5.524 min Scan# 590
Delta R.T. -0.012 min
Lab File: VN076017.D
Acq: 28 Dec 2022 22:55

Tgt Ion: 59 Resp: 460
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

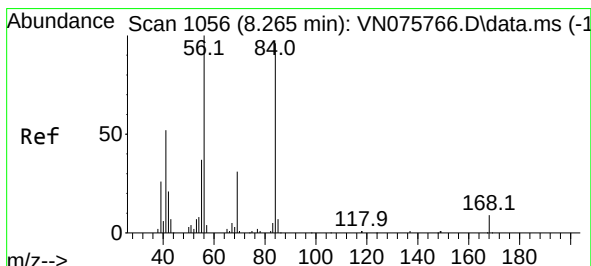
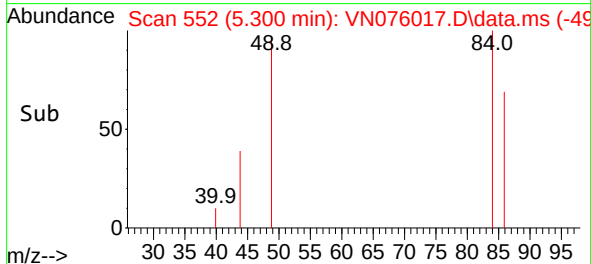
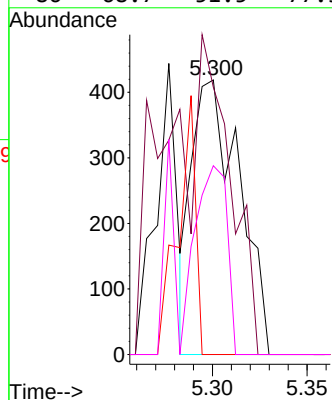
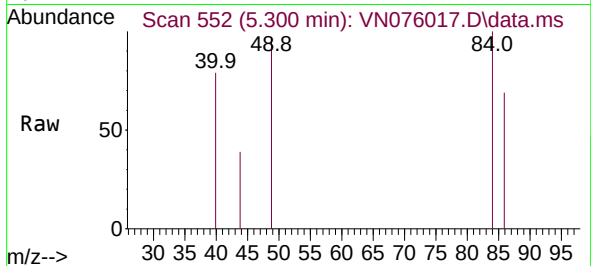




#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN076017.D
Acq: 28 Dec 2022 22:55

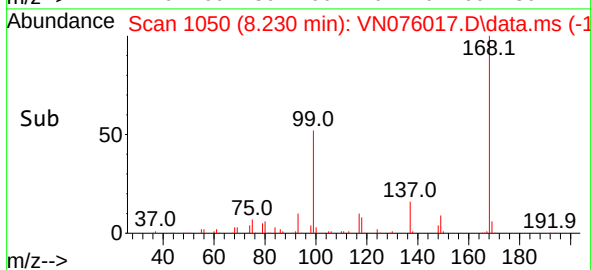
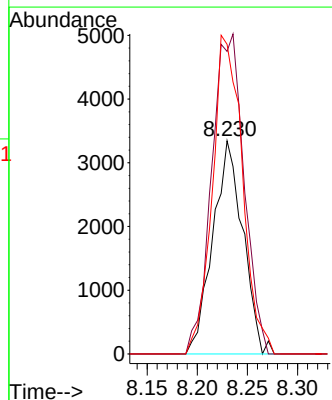
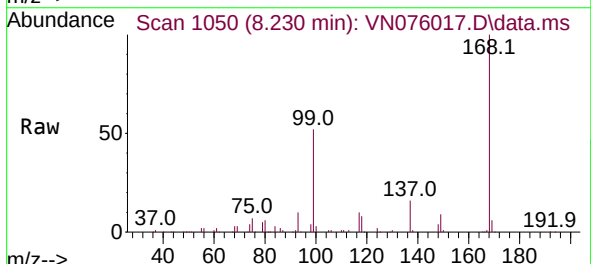
Instrument :
MSVOA_N
ClientSampleId :
VN1228WBL02

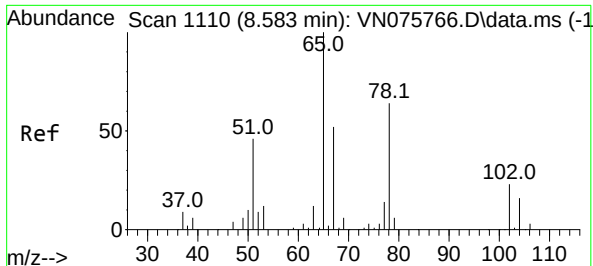
Tgt Ion: 84	Resp: 731
Ion Ratio	Lower Upper
84	100
49	97.4 81.8 122.6
51	0.0 26.7 40.1#
86	68.7 51.5 77.3



#31
Cyclohexane
Concen: 1.183 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN076017.D
Acq: 28 Dec 2022 22:55

Tgt Ion: 56	Resp: 6971
Ion Ratio	Lower Upper
56	100
69	141.9 24.7 37.1#
84	145.2 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 45.752 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN076017.D

Acq: 28 Dec 2022 22:55

Instrument :

MSVOA_N

ClientSampleId :

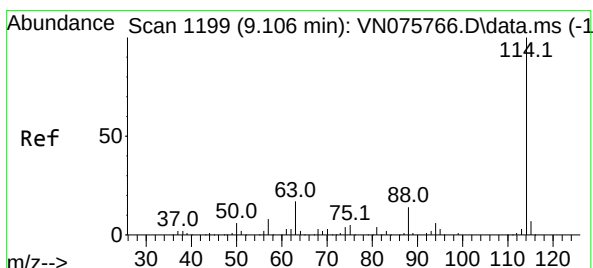
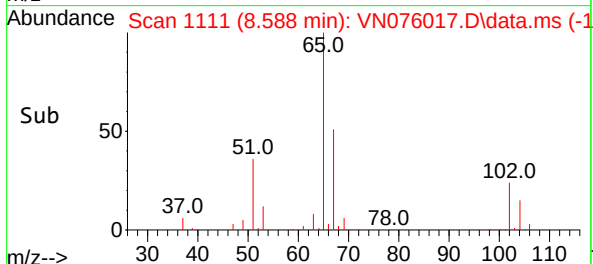
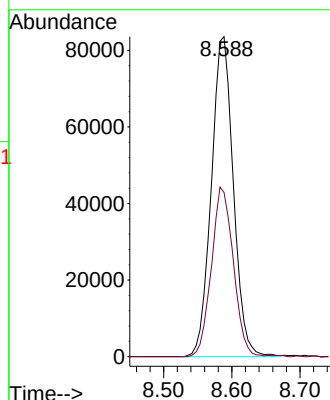
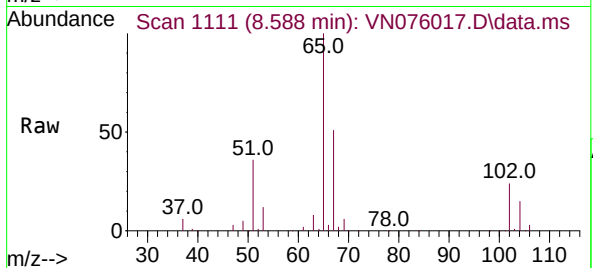
VN1228WBL02

Tgt Ion: 65 Resp: 188303

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076017.D

Acq: 28 Dec 2022 22:55

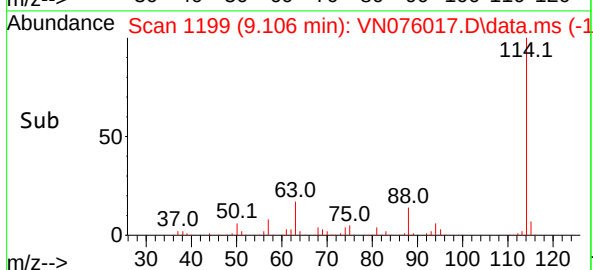
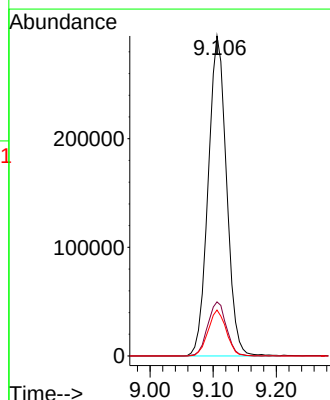
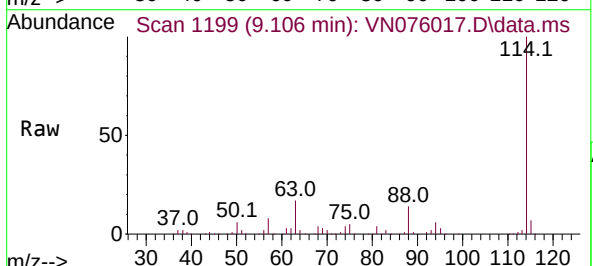
Tgt Ion: 114 Resp: 595222

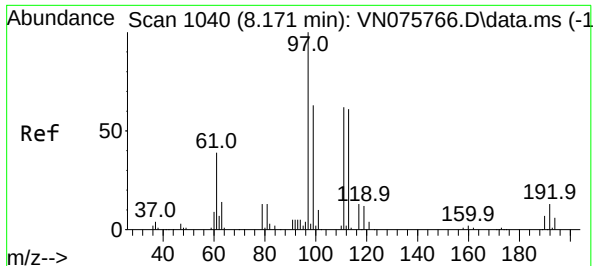
Ion Ratio Lower Upper

114 100

63 16.9 0.0 34.4

88 14.4 0.0 28.8





#35

Dibromofluoromethane

Concen: 46.586 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VN076017.D

Acq: 28 Dec 2022 22:55

Instrument :

MSVOA_N

ClientSampleId :

VN1228WBL02

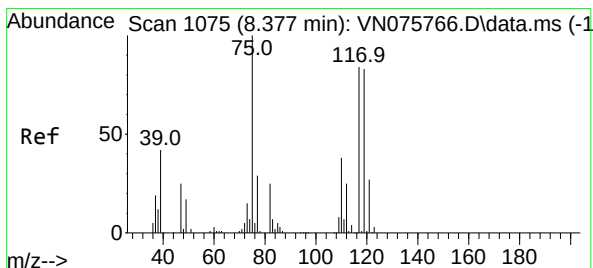
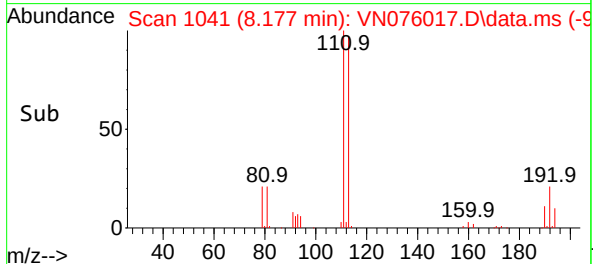
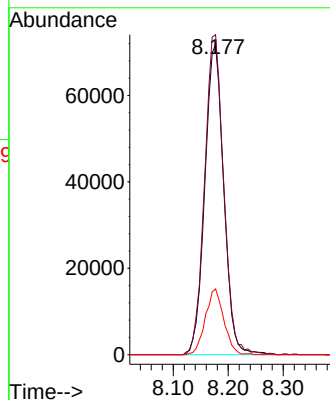
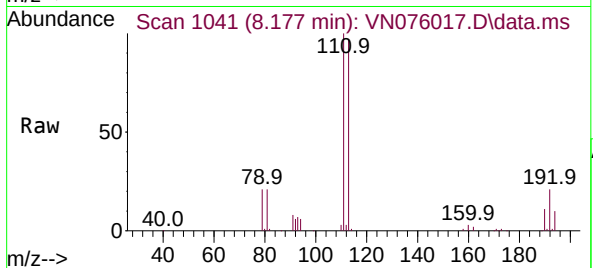
Tgt Ion:113 Resp: 171720

Ion Ratio Lower Upper

113 100

111 104.4 83.4 125.2

192 20.7 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.465 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076017.D

Acq: 28 Dec 2022 22:55

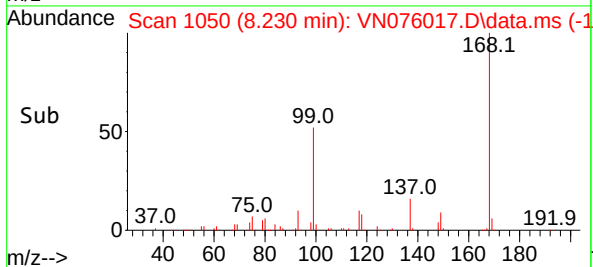
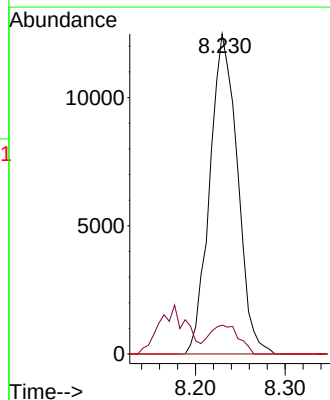
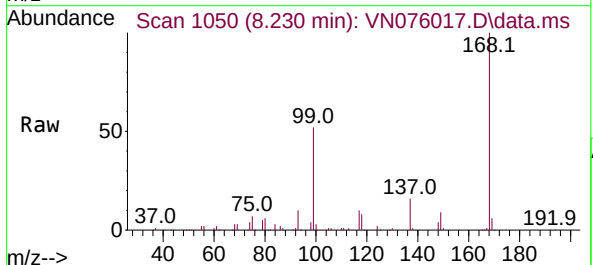
Tgt Ion: 75 Resp: 26760

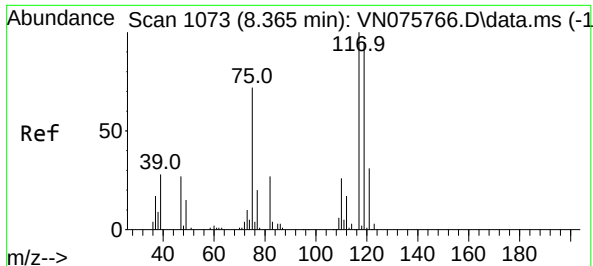
Ion Ratio Lower Upper

75 100

110 9.5 18.8 56.4#

77 0.0 24.1 36.1#

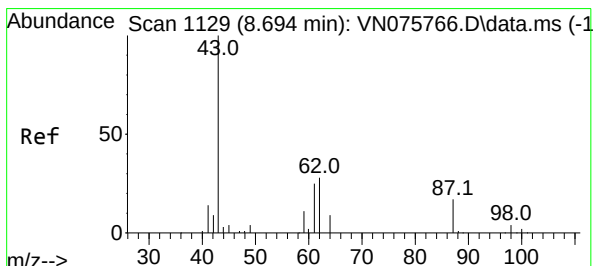
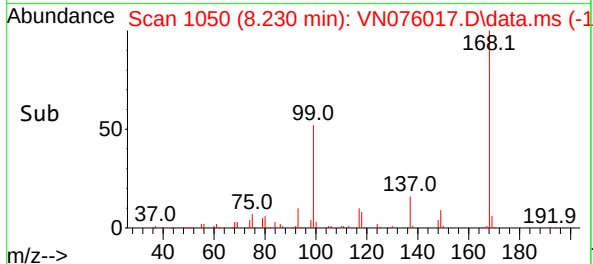
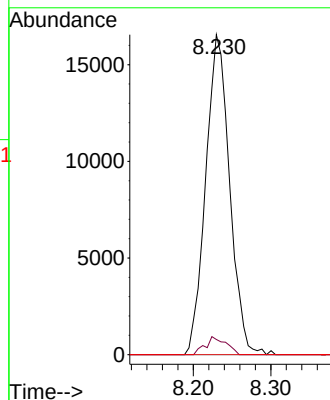
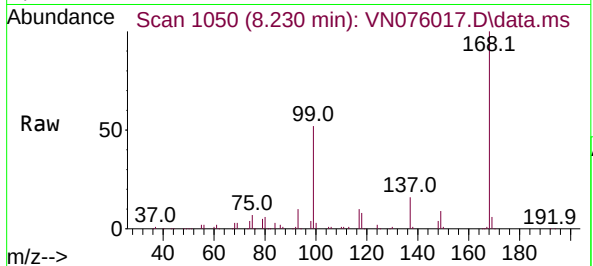




#38
Carbon Tetrachloride
Concen: 6.486 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN076017.D
Acq: 28 Dec 2022 22:55

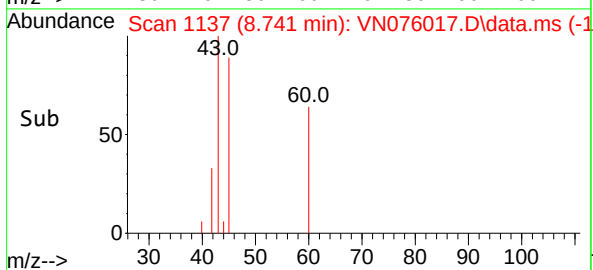
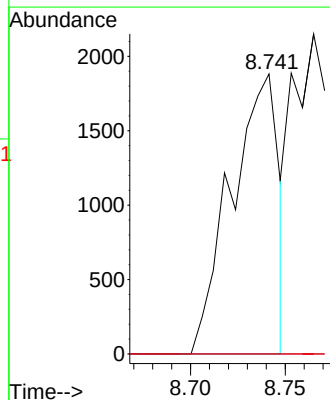
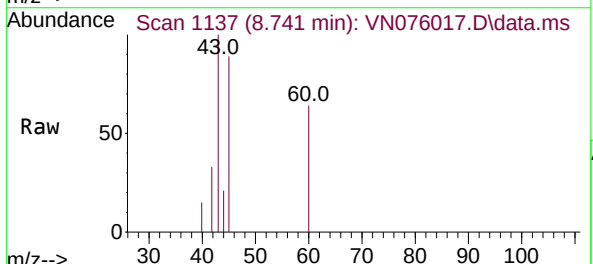
Instrument :
MSVOA_N
ClientSampleId :
VN1228WBL02

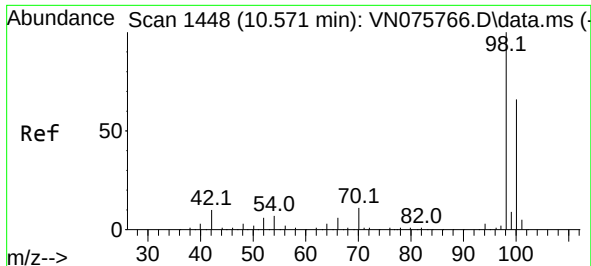
Tgt Ion:117 Resp: 35547
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 0.506 ug/l
RT: 8.741 min Scan# 1137
Delta R.T. 0.047 min
Lab File: VN076017.D
Acq: 28 Dec 2022 22:55

Tgt Ion: 43 Resp: 3280
Ion Ratio Lower Upper
43 100
61 0.0 24.2 36.4#
87 0.0 13.3 19.9#





#50

Toluene-d8

Concen: 48.475 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN076017.D

Acq: 28 Dec 2022 22:55

Instrument :

MSVOA_N

ClientSampleId :

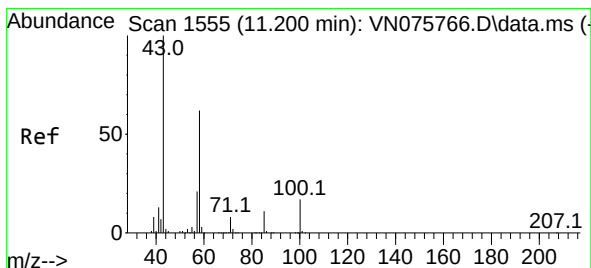
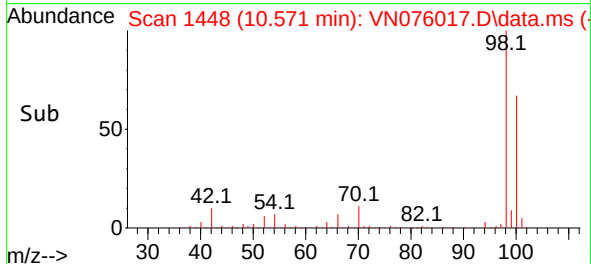
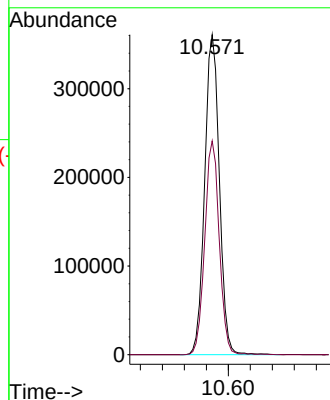
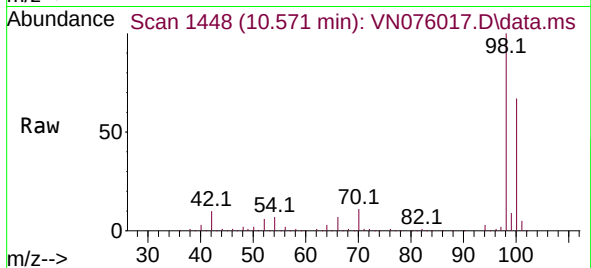
VN1228WBL02

Tgt Ion: 98 Resp: 668089

Ion Ratio Lower Upper

98 100

100 66.0 52.1 78.1



#59

2-Hexanone

Concen: 0.253 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VN076017.D

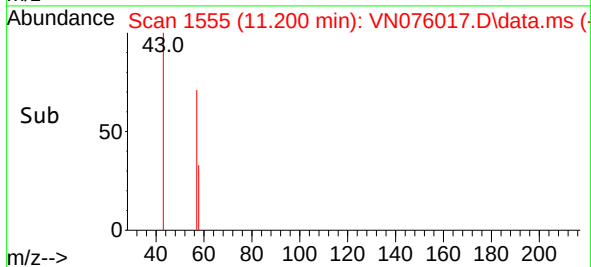
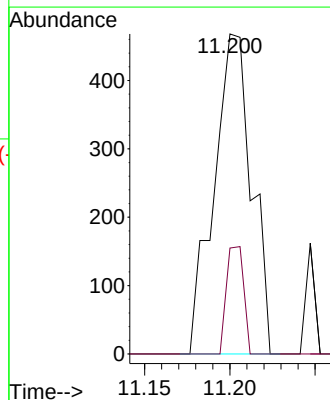
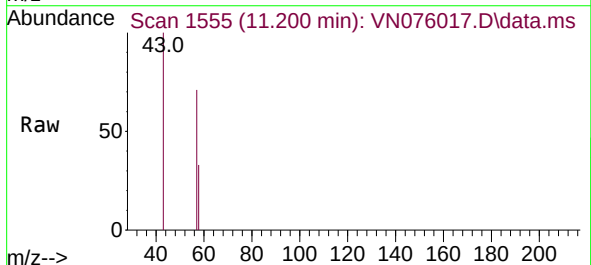
Acq: 28 Dec 2022 22:55

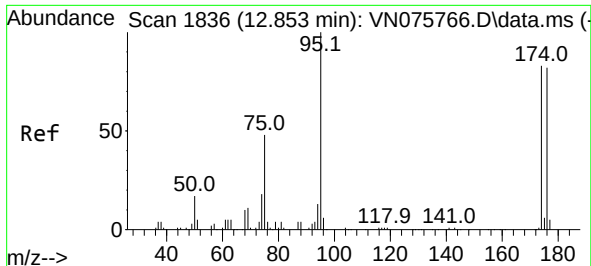
Tgt Ion: 43 Resp: 723

Ion Ratio Lower Upper

43 100

58 15.2 30.6 92.0#

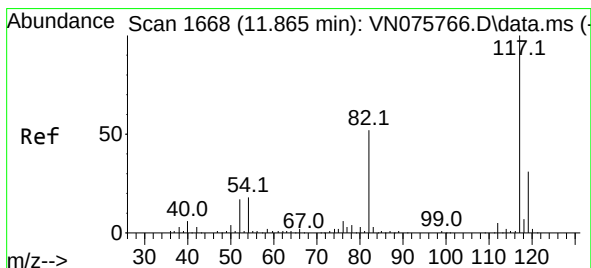
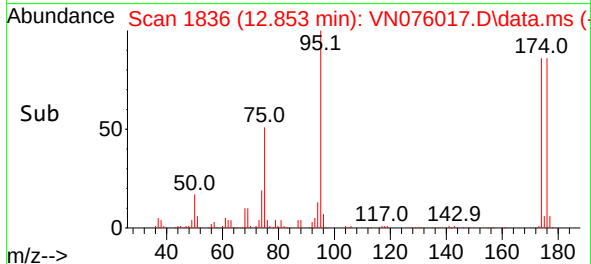
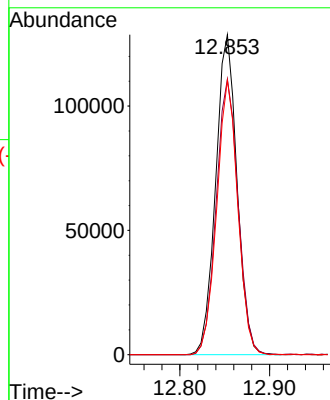
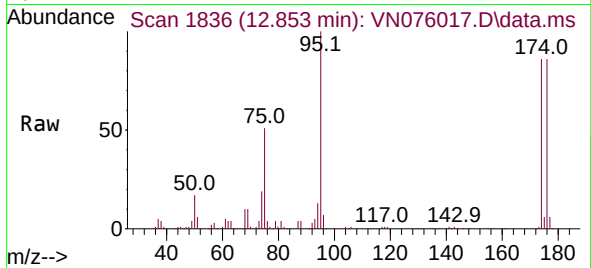




#62
4-Bromofluorobenzene
Concen: 46.566 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076017.D
Acq: 28 Dec 2022 22:55

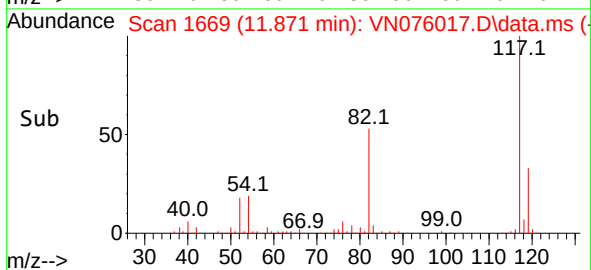
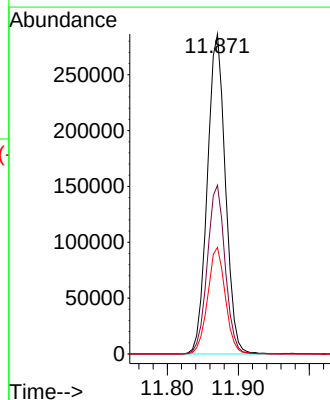
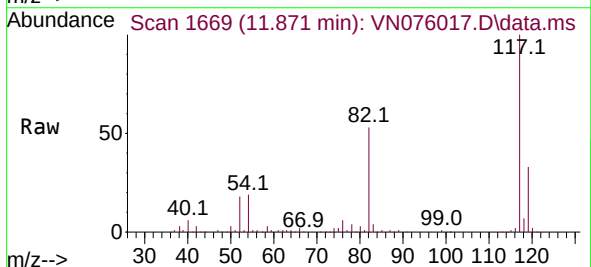
Instrument :
MSVOA_N
ClientSampleId :
VN1228WBL02

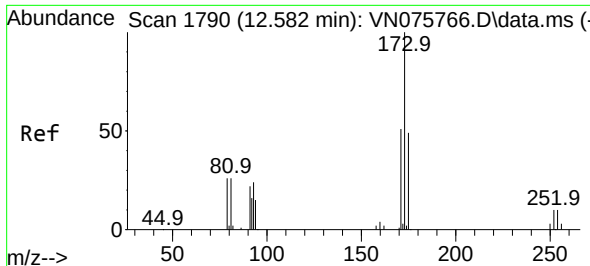
Tgt Ion: 95 Resp: 212562
Ion Ratio Lower Upper
95 100
174 88.4 0.0 171.6
176 84.6 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076017.D
Acq: 28 Dec 2022 22:55

Tgt Ion: 117 Resp: 505936
Ion Ratio Lower Upper
117 100
82 52.7 41.3 61.9
119 33.3 24.6 37.0

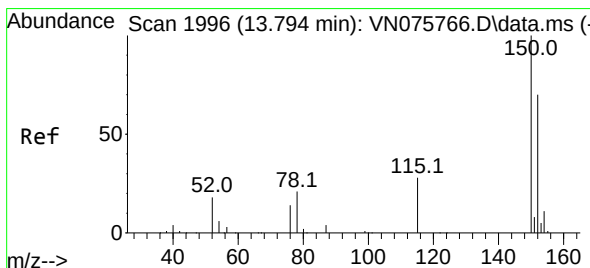
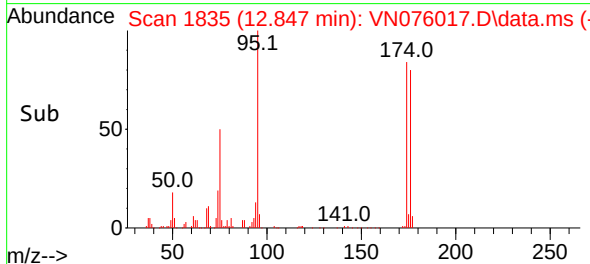
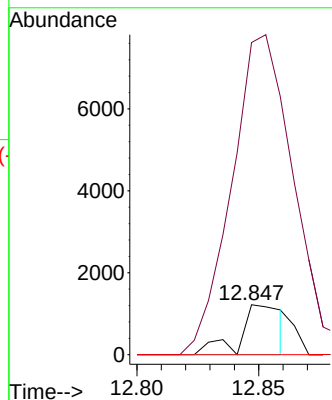
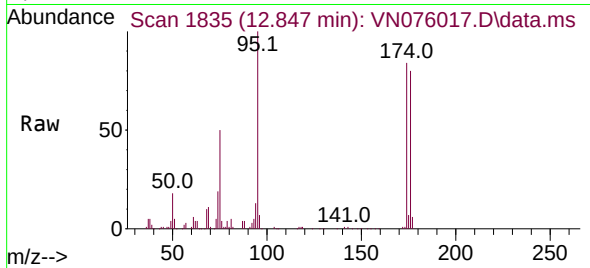




#71
Bromoform
Concen: 0.523 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN076017.D
Acq: 28 Dec 2022 22:55

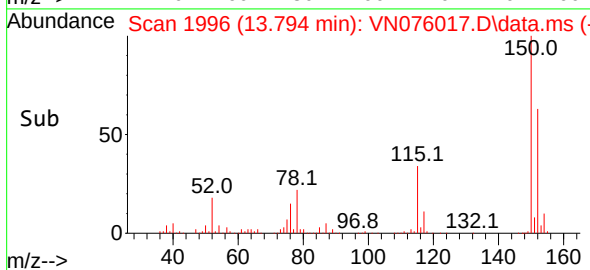
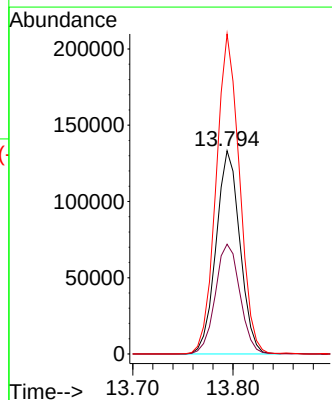
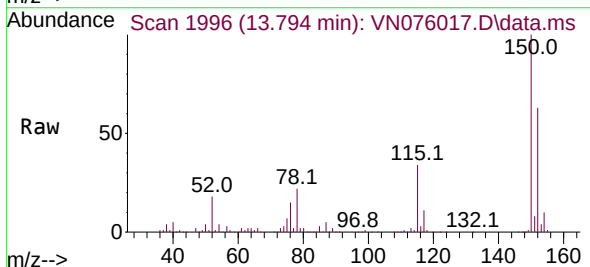
Instrument :
MSVOA_N
ClientSampleId :
VN1228WBL02

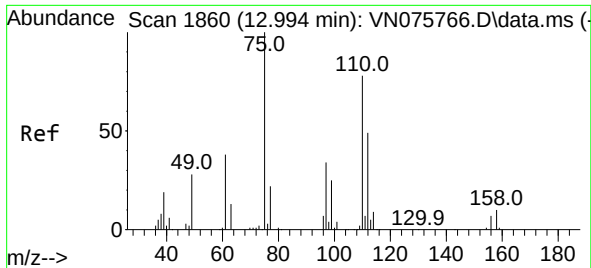
Tgt Ion:173 Resp: 1465
Ion Ratio Lower Upper
173 100
175 753.3 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076017.D
Acq: 28 Dec 2022 22:55

Tgt Ion:152 Resp: 219970
Ion Ratio Lower Upper
152 100
115 55.8 29.1 87.4
150 154.5 0.0 347.0

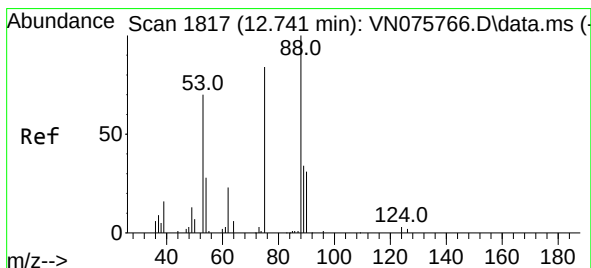
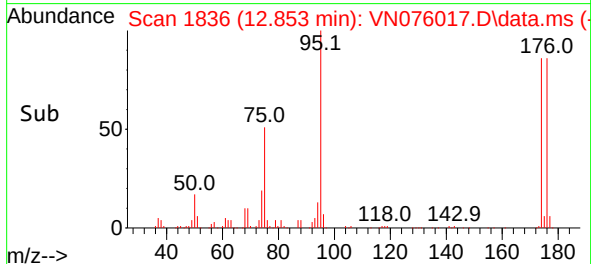
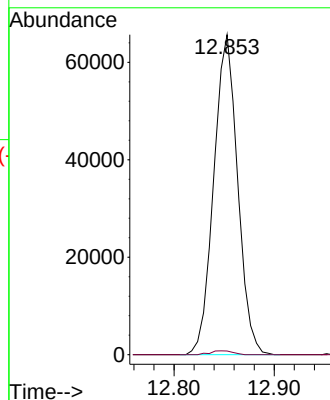
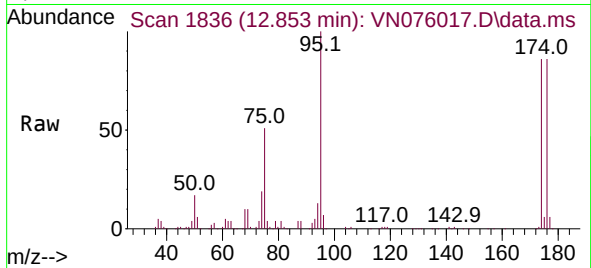




#76
1,2,3-Trichloropropane
Concen: 24.462 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076017.D
Acq: 28 Dec 2022 22:55

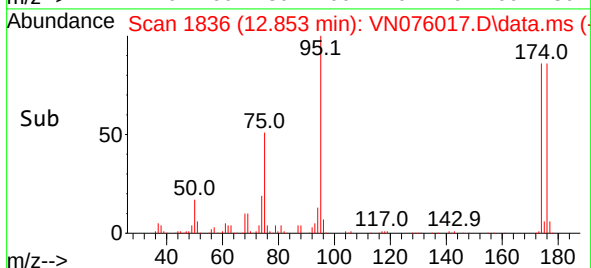
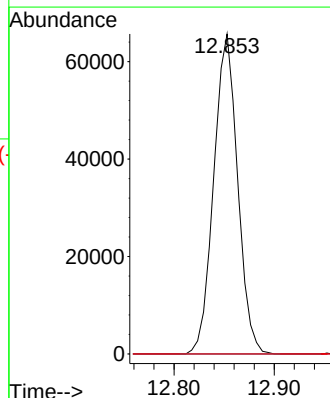
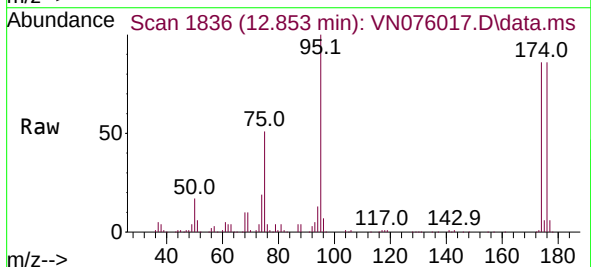
Instrument :
MSVOA_N
ClientSampleId :
VN1228WBL02

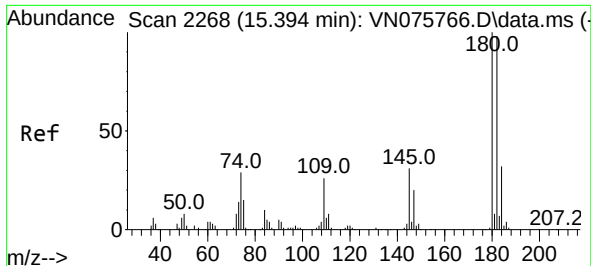
Tgt Ion: 75 Resp: 108467
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.052 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076017.D
Acq: 28 Dec 2022 22:55

Tgt Ion: 75 Resp: 108467
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.286 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN076017.D

Acq: 28 Dec 2022 22:55

Instrument :

MSVOA_N

ClientSampleId :

VN1228WBL02

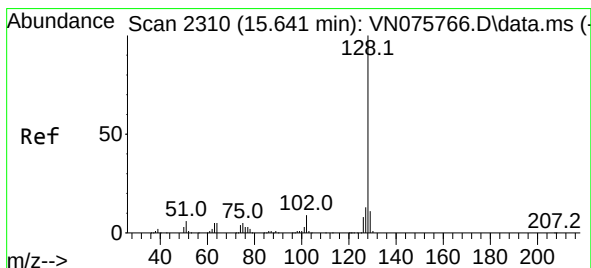
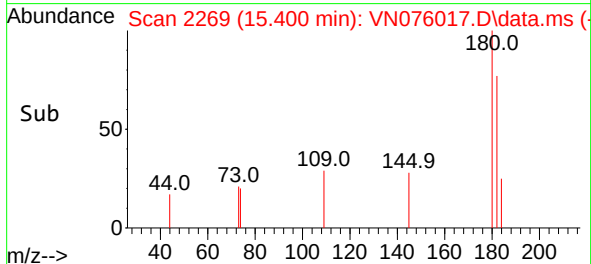
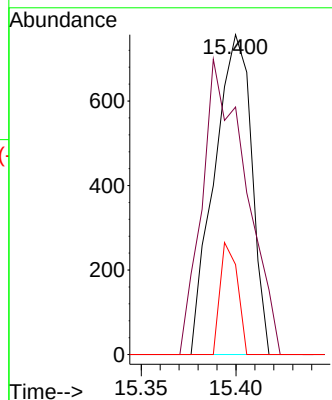
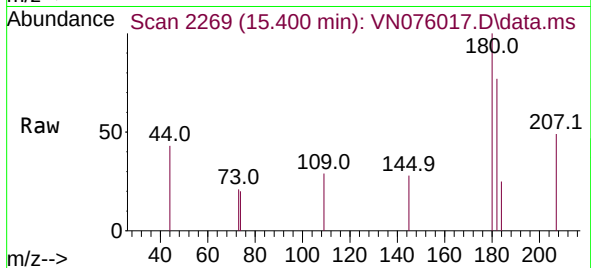
Tgt Ion:180 Resp: 1037

Ion Ratio Lower Upper

180 100

182 108.0 47.5 142.5

145 16.3 15.3 45.8



#95

Naphthalene

Concen: 2.985 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN076017.D

Acq: 28 Dec 2022 22:55

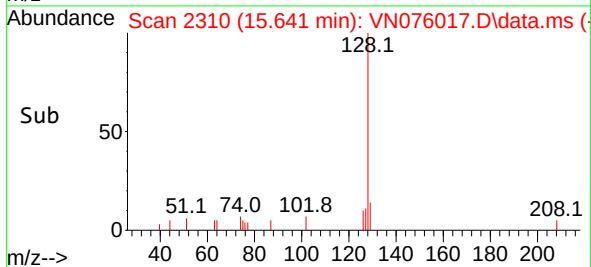
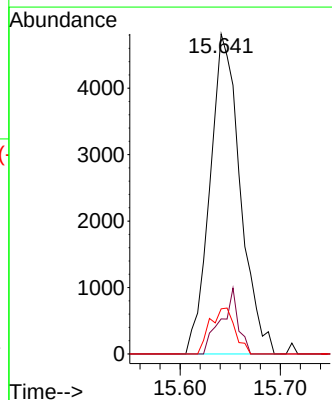
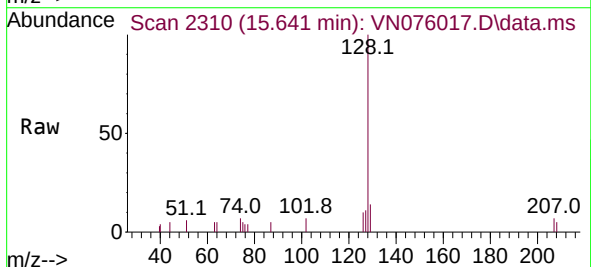
Tgt Ion:128 Resp: 10113

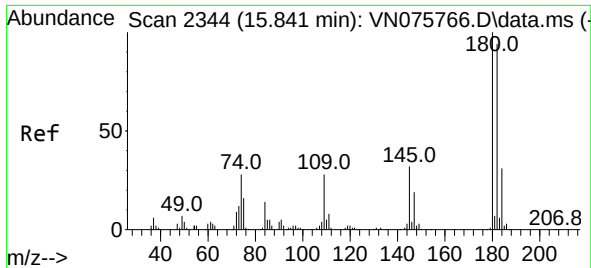
Ion Ratio Lower Upper

128 100

127 11.7 10.4 15.6

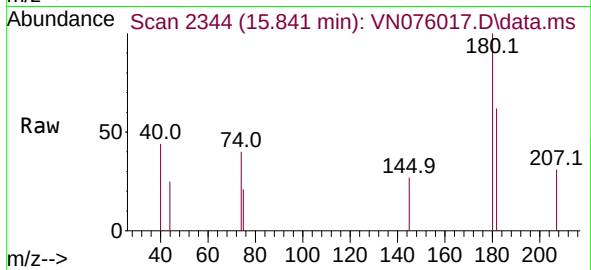
129 11.8 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.410 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN076017.D
 Acq: 28 Dec 2022 22:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1228WBL02



Tgt Ion:	180	Resp:	1389
Ion	Ratio	Lower	Upper
180	100		
182	92.3	47.0	141.0
145	25.3	16.0	47.9

