

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061323\
 Data File : VN078187.D
 Acq On : 13 Jun 2023 15:36
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 14 02:20:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

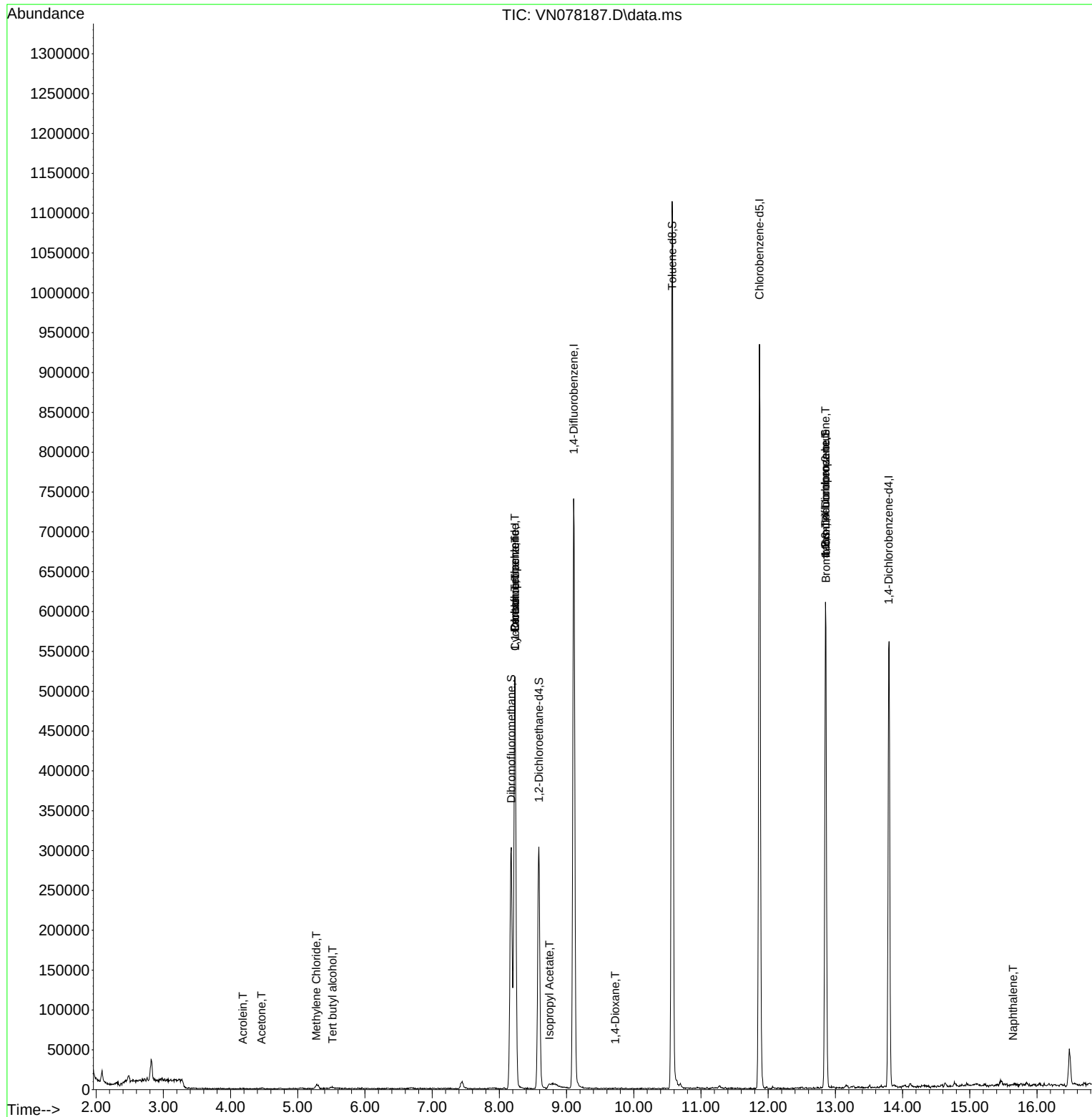
Internal Standards							
1) Pentafluorobenzene		8.230	168	362803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		9.106	114	671020	50.000	ug/l	0.00
63) Chlorobenzene-d5		11.871	117	569783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		13.794	152	154749	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		8.588	65	251148	51.919	ug/l	0.00
Spiked Amount 50.000		Range	74 - 125	Recovery	= 103.840%		
35) Dibromofluoromethane		8.177	113	223107	52.585	ug/l	0.00
Spiked Amount 50.000		Range	75 - 124	Recovery	= 105.180%		
50) Toluene-d8		10.571	98	817525	49.982	ug/l	0.00
Spiked Amount 50.000		Range	86 - 113	Recovery	= 99.960%		
62) 4-Bromofluorobenzene		12.853	95	216752	42.628	ug/l	0.00
Spiked Amount 50.000		Range	83 - 123	Recovery	= 85.260%		
Target Compounds							
							Qvalue
3) Chloromethane		2.377	50	1254	Below Cal	#	83
11) Tert butyl alcohol		5.518	59	600	0.898	ug/l #	72
13) Acrolein		4.183	56	148	0.201	ug/l #	49
16) Acetone		4.459	43	2093	1.503	ug/l #	40
20) Methylene Chloride		5.277	84	4006	0.871	ug/l #	80
31) Cyclohexane		8.236	56	9110	1.468	ug/l #	29
36) 1,1-Dichloropropene		8.236	75	30811	5.063	ug/l #	50
38) Carbon Tetrachloride		8.230	117	41215	6.414	ug/l #	13
43) Isopropyl Acetate		8.747	43	3712	0.408	ug/l #	49
49) 1,4-Dioxane		9.724	88	53	0.661	ug/l #	1
71) Bromoform		12.859	173	2196	0.758	ug/l #	1
75) 1,1,2,2-Tetrachloroethane		13.012	83	56	Below Cal	#	26
76) 1,2,3-Trichloropropane		12.853	75	116915	31.959	ug/l #	1
81) trans-1,4-Dichloro-2-b...		12.853	75	116915	98.187	ug/l #	15
95) Naphthalene		15.647	128	1537	0.228	ug/l #	70

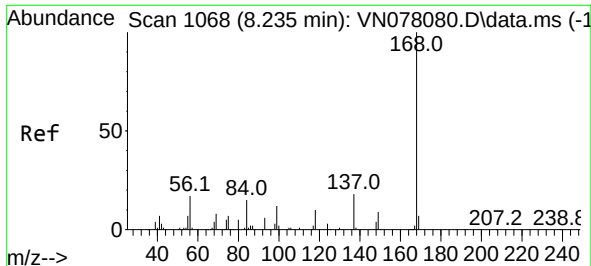
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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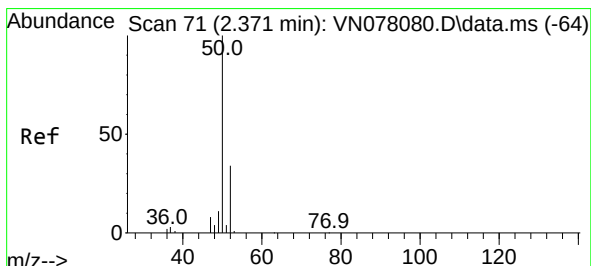
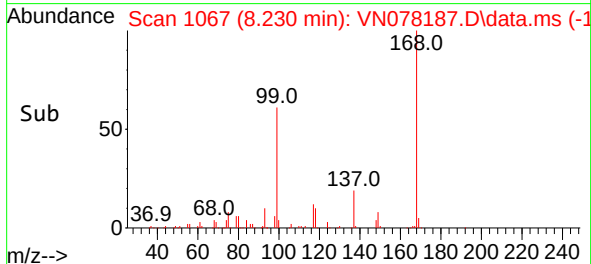
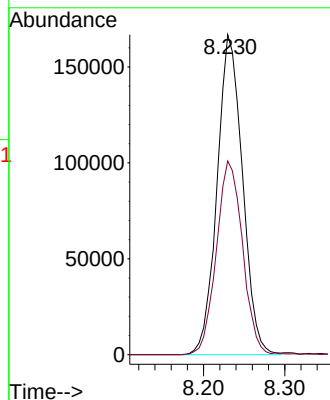
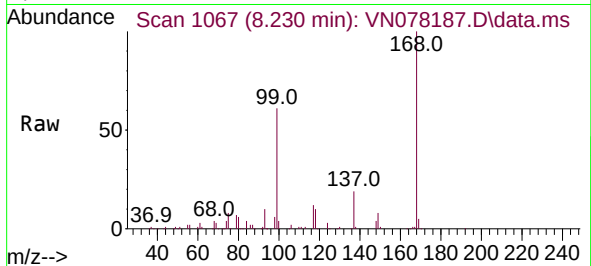




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN078187.D
Acq: 13 Jun 2023 15:36

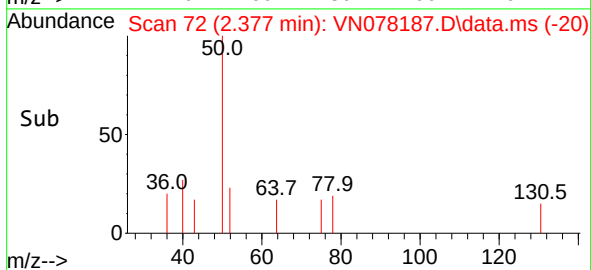
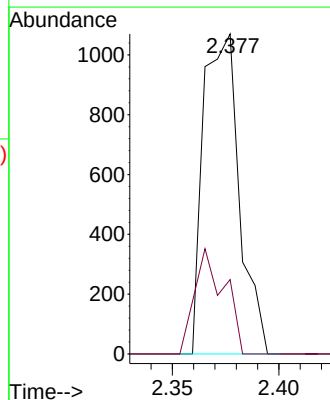
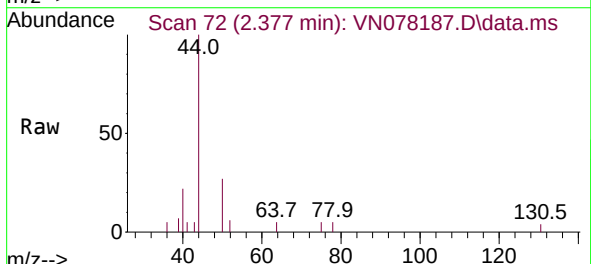
Instrument :
MSVOA_N
ClientSampleId :

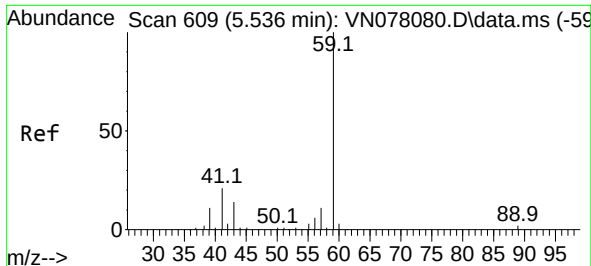
Tgt Ion:168 Resp: 362803
Ion Ratio Lower Upper
168 100
99 60.6 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078187.D
Acq: 13 Jun 2023 15:36

Tgt Ion: 50 Resp: 1254
Ion Ratio Lower Upper
50 100
52 23.3 26.5 39.7#





#11

Tert butyl alcohol

Concen: 0.898 ug/l

RT: 5.518 min Scan# 609

Delta R.T. -0.018 min MSVOA_N

Lab File: VN078187.D

Acq: 13 Jun 2023 15:36

Instrument :

MSVOA_N

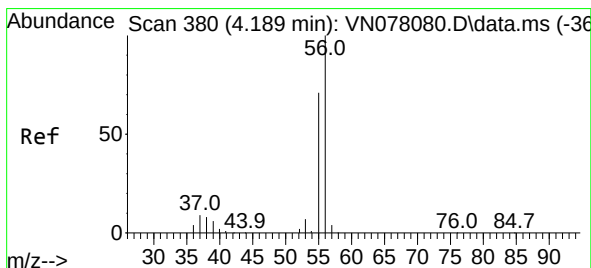
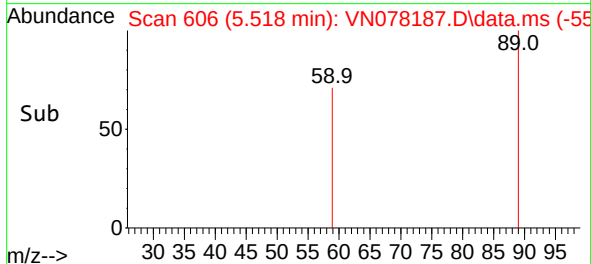
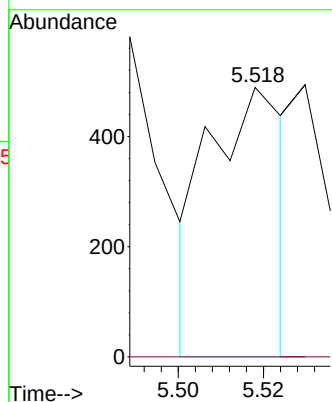
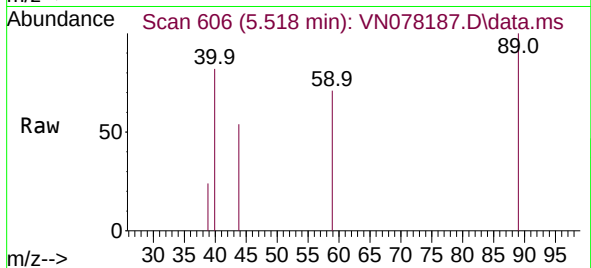
ClientSampleId :

Tgt Ion: 59 Resp: 600

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: 0.201 ug/l

RT: 4.183 min Scan# 379

Delta R.T. -0.006 min

Lab File: VN078187.D

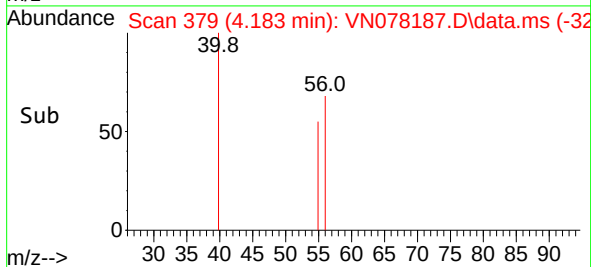
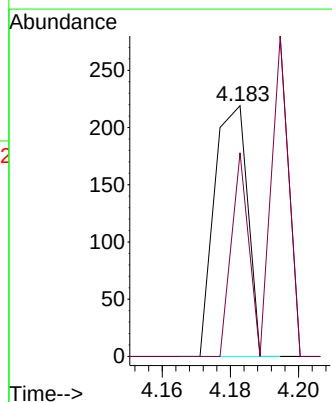
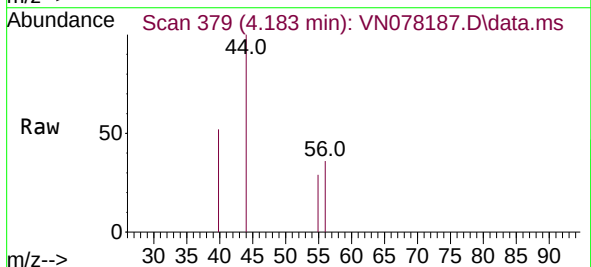
Acq: 13 Jun 2023 15:36

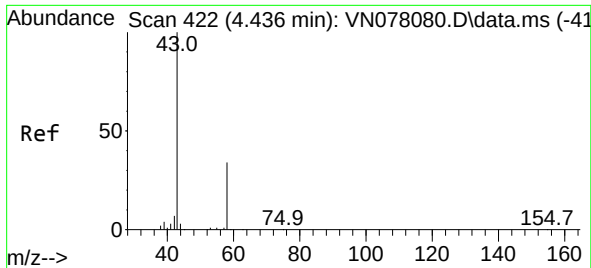
Tgt Ion: 56 Resp: 148

Ion Ratio Lower Upper

56 100

55 109.5 54.5 81.7#





#16

Acetone

Concen: 1.503 ug/l

RT: 4.459 min Scan# 41

Delta R.T. 0.024 min

Lab File: VN078187.D

Acq: 13 Jun 2023 15:36

Instrument :

MSVOA_N

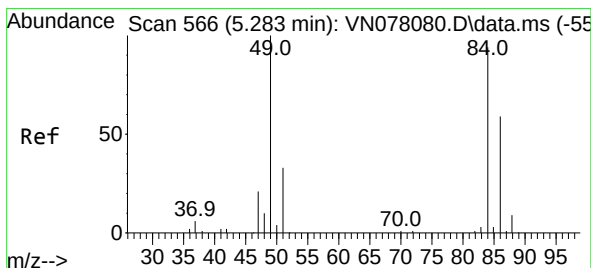
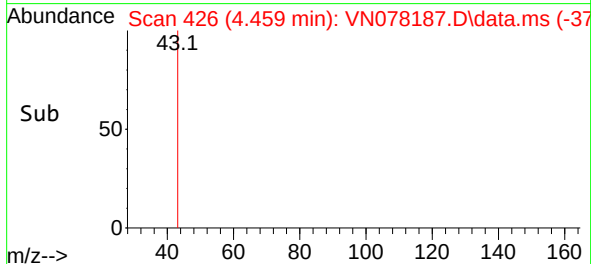
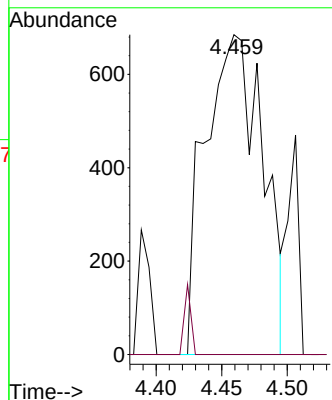
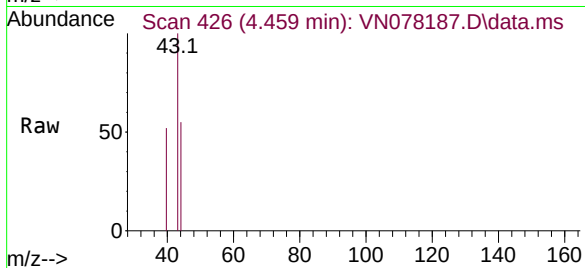
ClientSampleId :

Tgt Ion: 43 Resp: 2093

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#



#20

Methylene Chloride

Concen: 0.871 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.006 min

Lab File: VN078187.D

Acq: 13 Jun 2023 15:36

Tgt Ion: 84 Resp: 4006

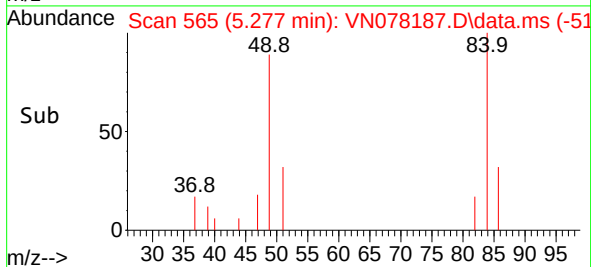
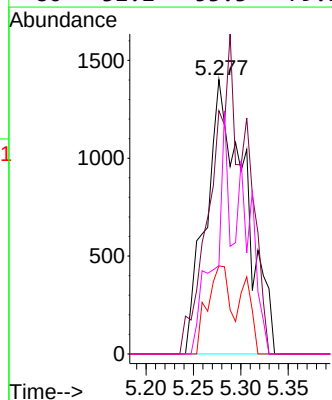
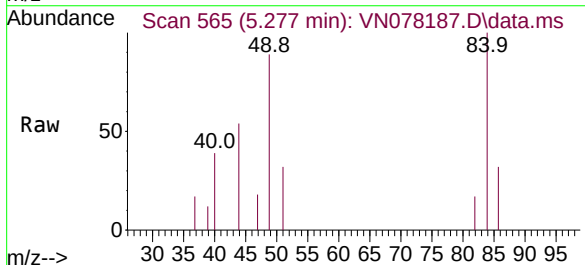
Ion Ratio Lower Upper

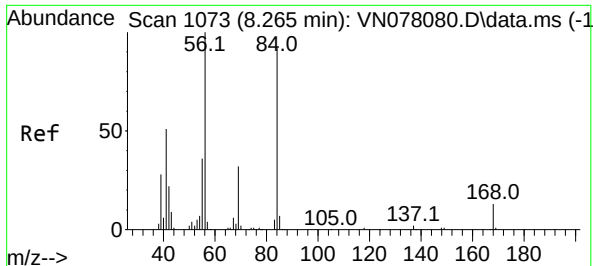
84 100

49 88.7 79.7 119.5

51 32.1 25.2 37.8

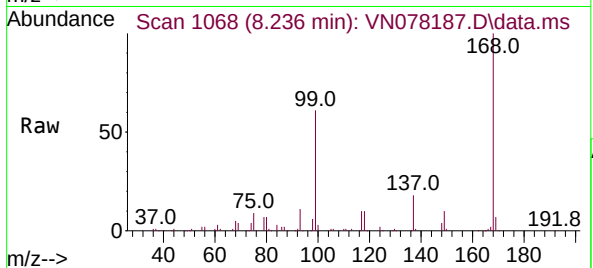
86 32.2 53.3 79.9#



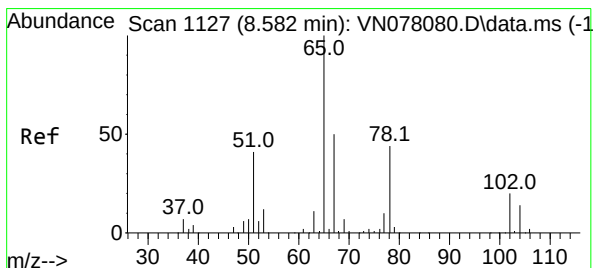
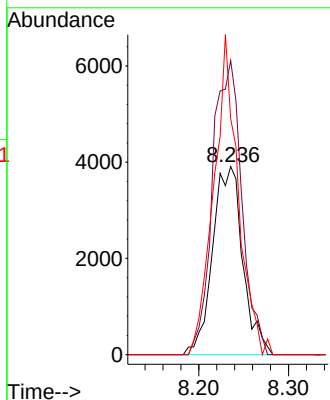
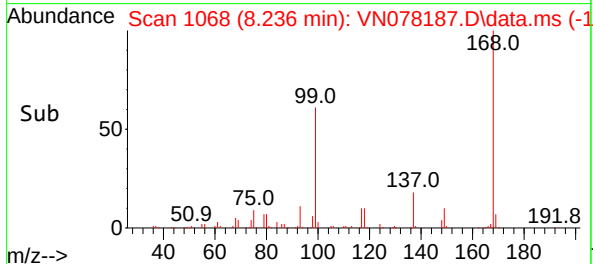


#31
Cyclohexane
Concen: 1.468 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078187.D
Acq: 13 Jun 2023 15:36

Instrument :
MSVOA_N
ClientSampleId :

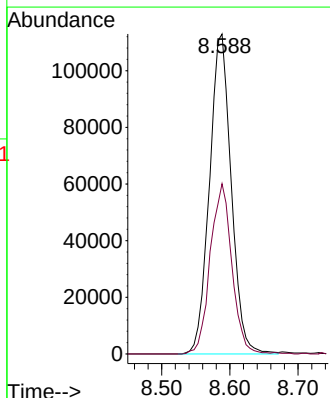
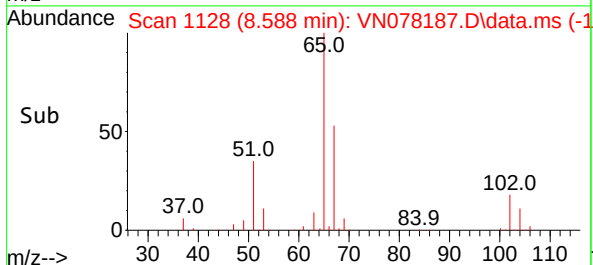
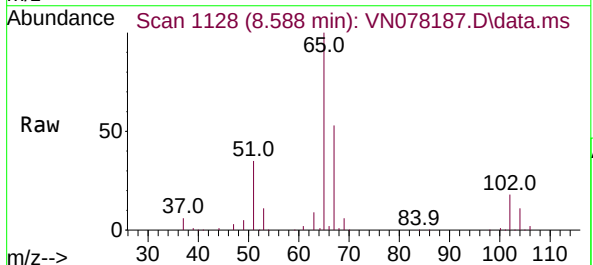


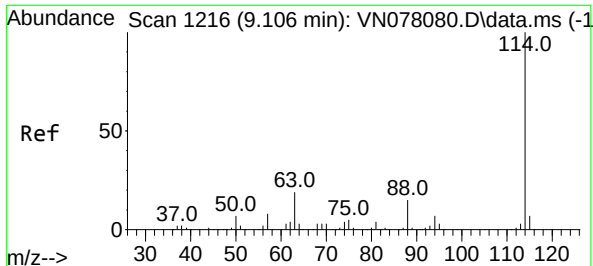
Tgt Ion: 56 Resp: 9110
Ion Ratio Lower Upper
56 100
69 156.3 26.8 40.2#
84 125.4 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 51.919 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078187.D
Acq: 13 Jun 2023 15:36

Tgt Ion: 65 Resp: 251148
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078187.D

Acq: 13 Jun 2023 15:36

Instrument :

MSVOA_N

ClientSampleId :

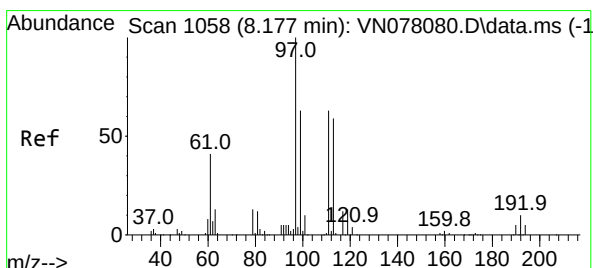
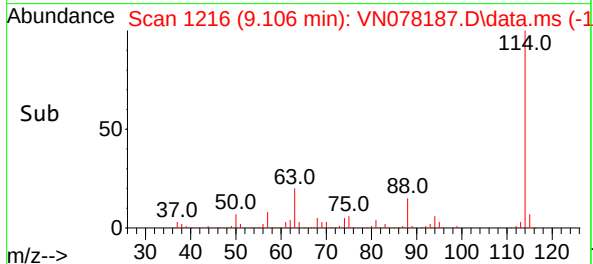
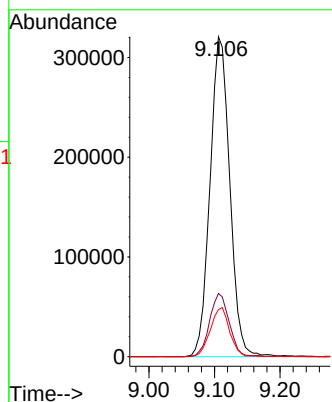
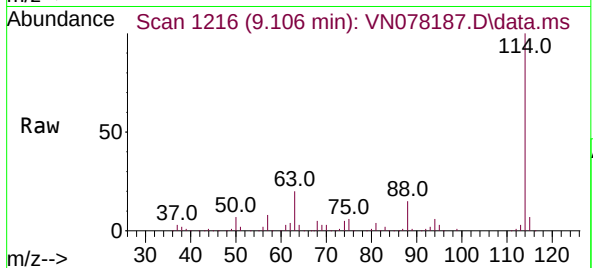
Tgt Ion:114 Resp: 671020

Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.585 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN078187.D

Acq: 13 Jun 2023 15:36

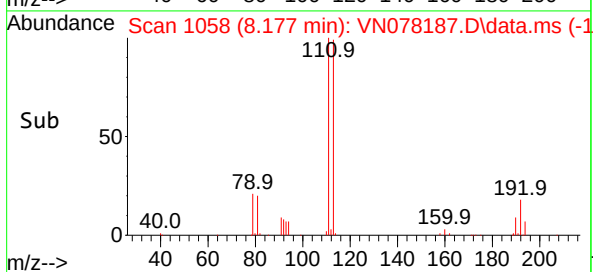
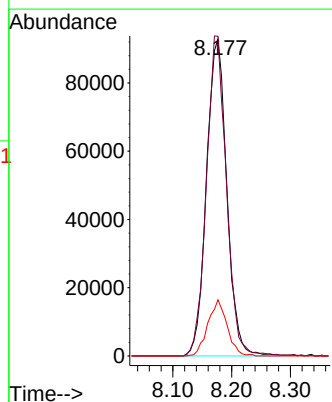
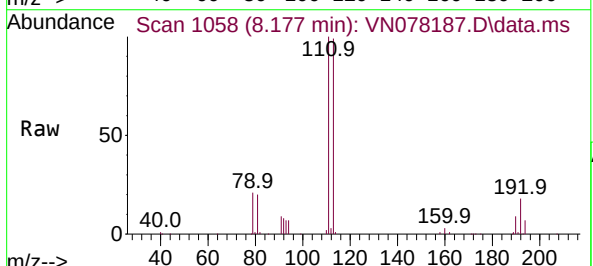
Tgt Ion:113 Resp: 223107

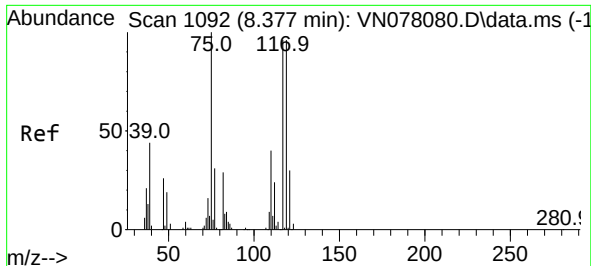
Ion Ratio Lower Upper

113 100

111 99.4 82.6 123.8

192 16.7 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.063 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN078187.D

Acq: 13 Jun 2023 15:36

Instrument :

MSVOA_N

ClientSampleId :

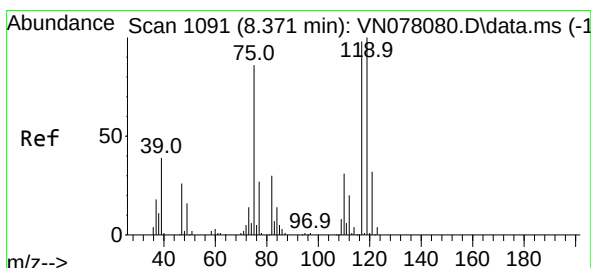
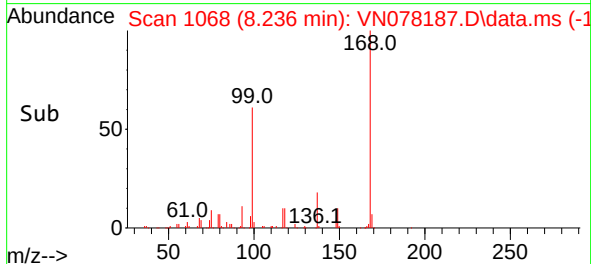
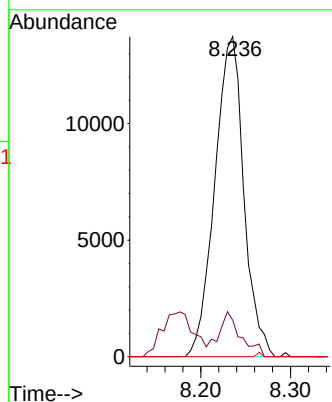
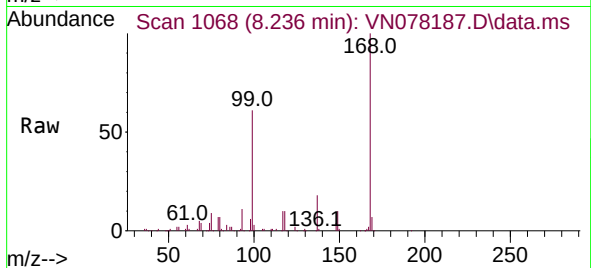
Tgt Ion: 75 Resp: 30811

Ion Ratio Lower Upper

75 100

110 10.7 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.414 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN078187.D

Acq: 13 Jun 2023 15:36

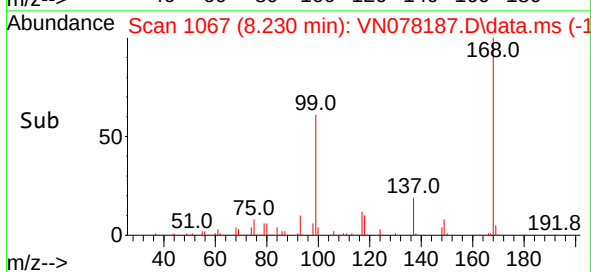
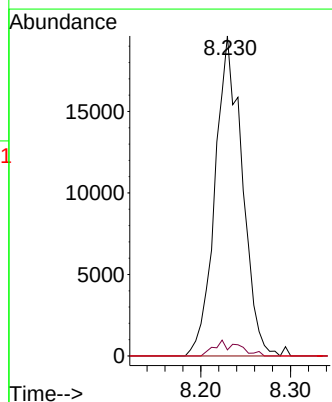
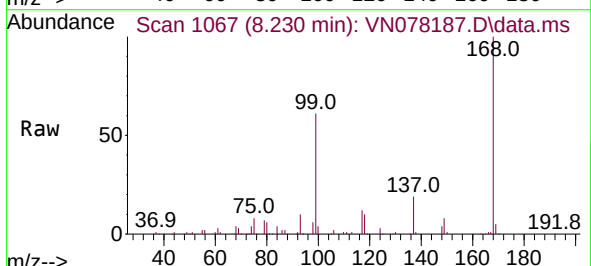
Tgt Ion: 117 Resp: 41215

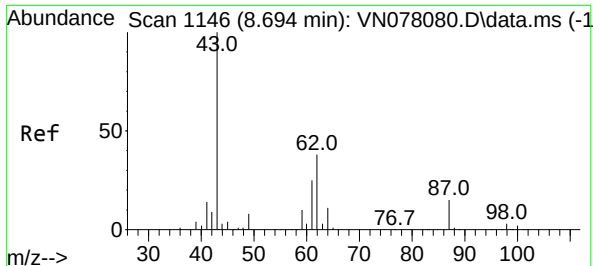
Ion Ratio Lower Upper

117 100

119 1.9 77.3 115.9#

121 0.0 23.3 34.9#





#43

Isopropyl Acetate

Concen: 0.408 ug/l

RT: 8.747 min Scan# 1146

Delta R.T. 0.053 min

Lab File: VN078187.D

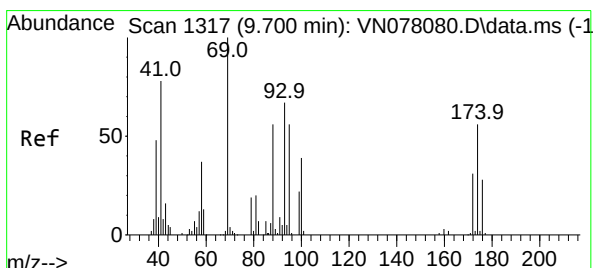
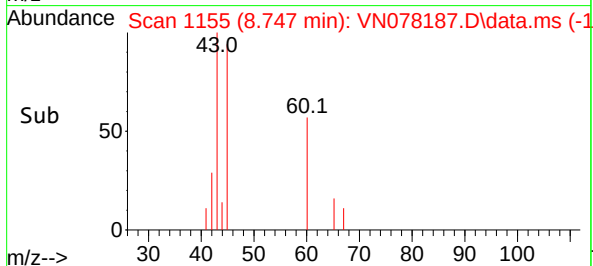
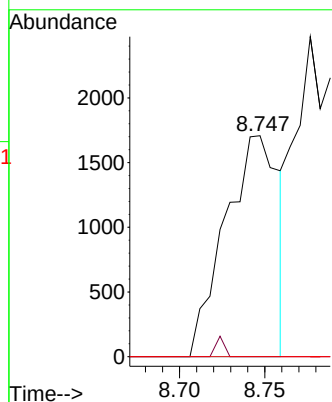
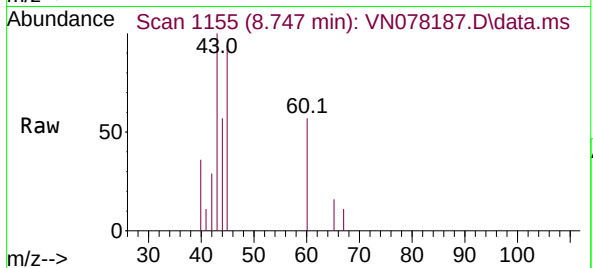
Acq: 13 Jun 2023 15:36

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	43	Resp:	3712
Ion	Ratio	Lower	Upper
43	100		
61	0.0	24.7	37.1#
87	0.0	14.6	21.8#



#49

1,4-Dioxane

Concen: 0.661 ug/l

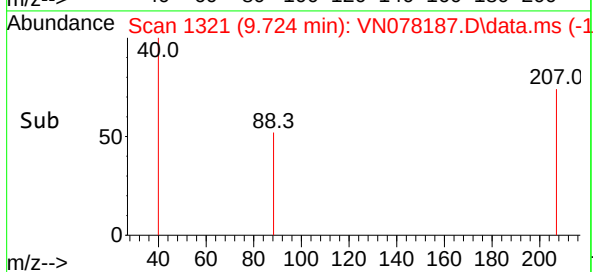
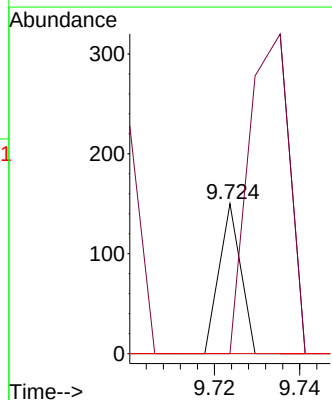
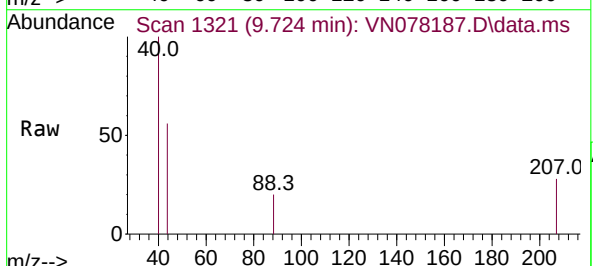
RT: 9.724 min Scan# 1321

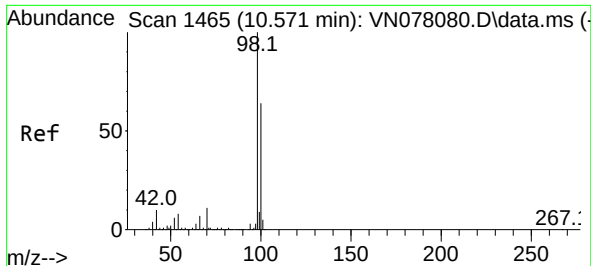
Delta R.T. 0.024 min

Lab File: VN078187.D

Acq: 13 Jun 2023 15:36

Tgt Ion:	88	Resp:	53
Ion	Ratio	Lower	Upper
88	100		
43	398.1	17.0	25.6#
58	0.0	47.0	70.4#

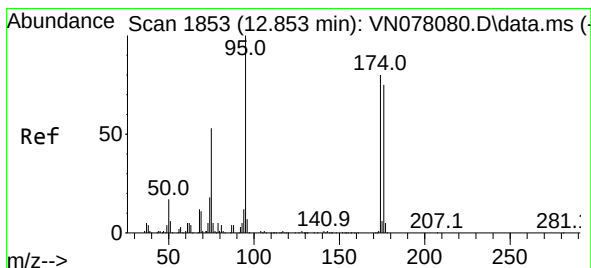
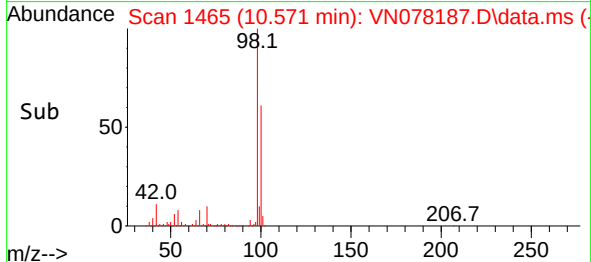
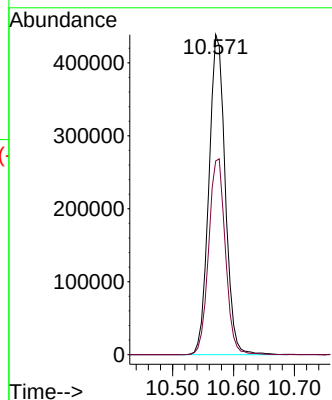
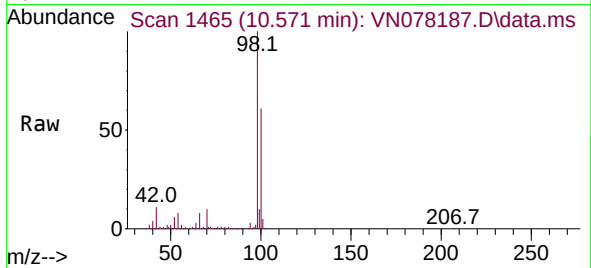




#50
Toluene-d8
Concen: 49.982 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078187.D
Acq: 13 Jun 2023 15:36

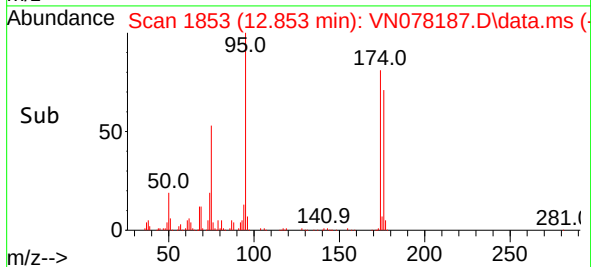
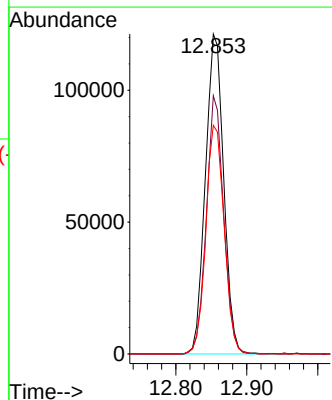
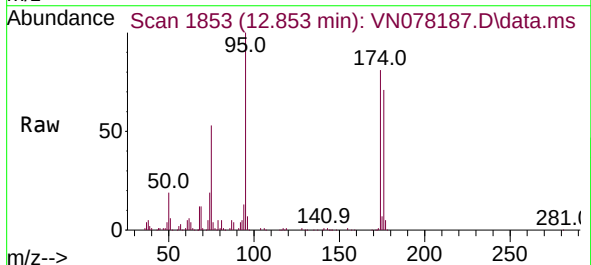
Instrument :
MSVOA_N
ClientSampleId :

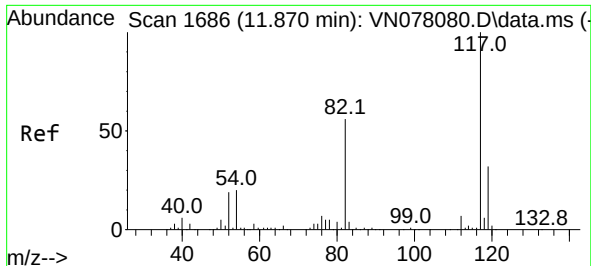
Tgt Ion: 98 Resp: 817525
Ion Ratio Lower Upper
98 100
100 62.6 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 42.628 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078187.D
Acq: 13 Jun 2023 15:36

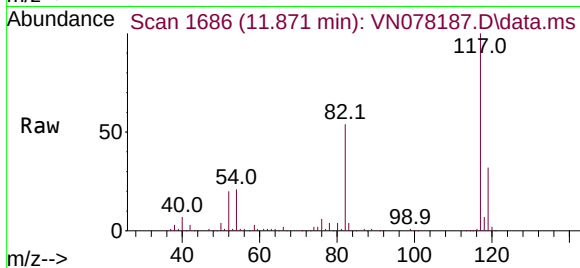
Tgt Ion: 95 Resp: 216752
Ion Ratio Lower Upper
95 100
174 76.6 0.0 143.8
176 71.7 0.0 135.8



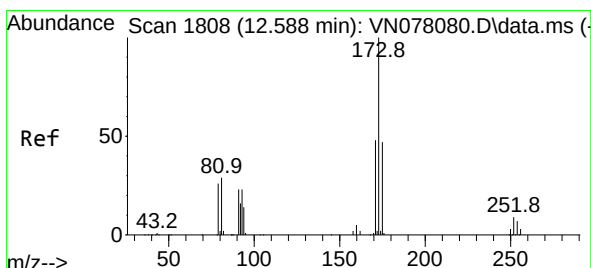
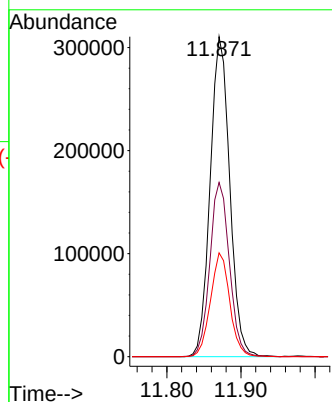
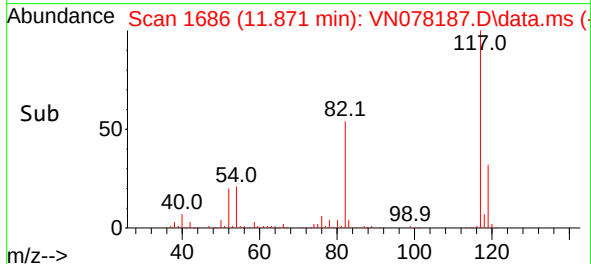


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078187.D
Acq: 13 Jun 2023 15:36

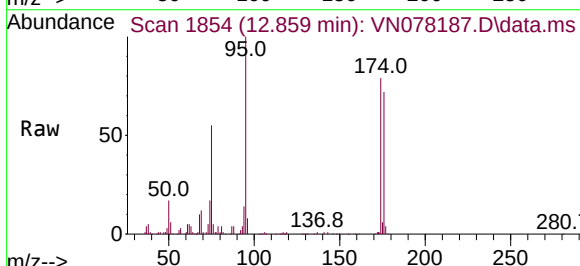
Instrument :
MSVOA_N
ClientSampleId :



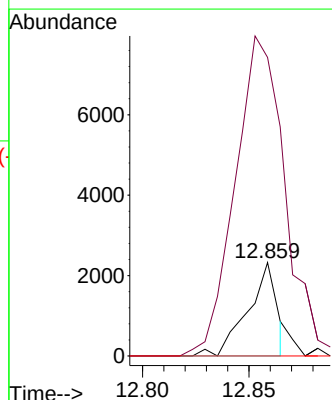
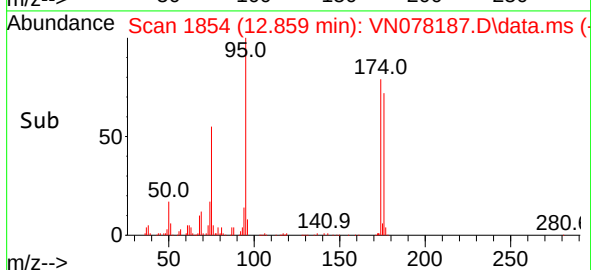
Tgt Ion:117 Resp: 569783
Ion Ratio Lower Upper
117 100
82 54.4 44.0 66.0
119 32.5 25.6 38.4

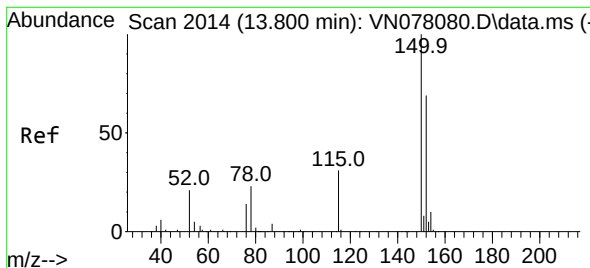


#71
Bromoform
Concen: 0.758 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.271 min
Lab File: VN078187.D
Acq: 13 Jun 2023 15:36



Tgt Ion:173 Resp: 2196
Ion Ratio Lower Upper
173 100
175 517.4 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.006 min

Lab File: VN078187.D

Acq: 13 Jun 2023 15:36

Instrument :

MSVOA_N

ClientSampleId :

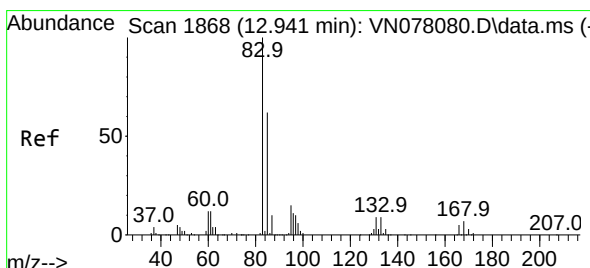
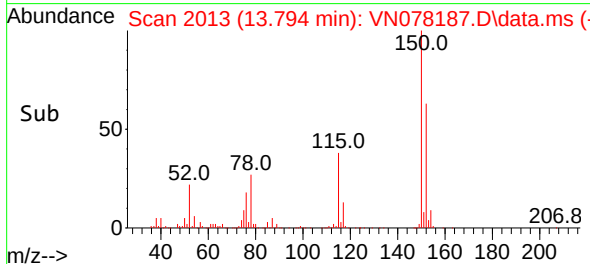
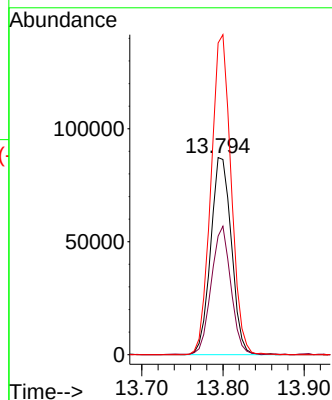
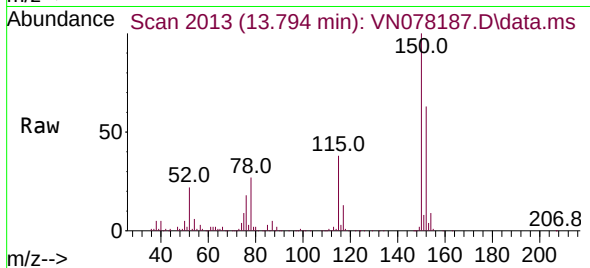
Tgt Ion:152 Resp: 154749

Ion Ratio Lower Upper

152 100

115 61.5 32.3 96.8

150 157.7 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 13.012 min Scan# 1880

Delta R.T. 0.071 min

Lab File: VN078187.D

Acq: 13 Jun 2023 15:36

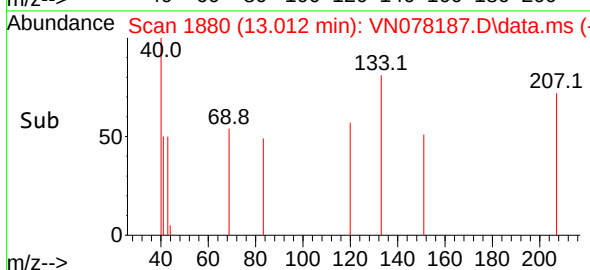
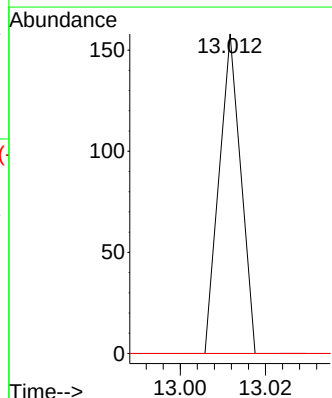
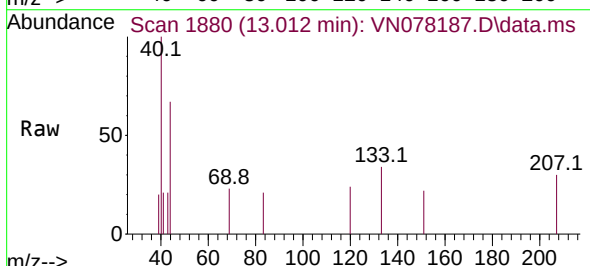
Tgt Ion: 83 Resp: 56

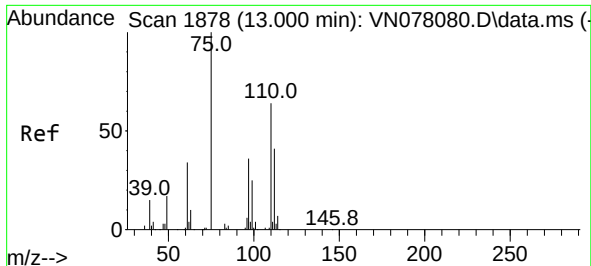
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#

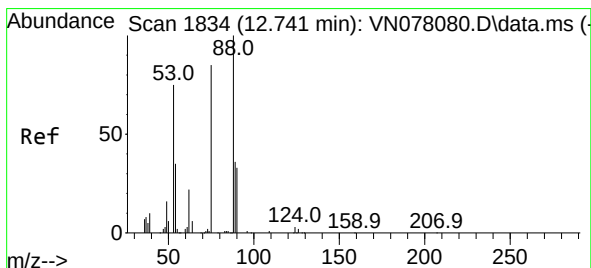
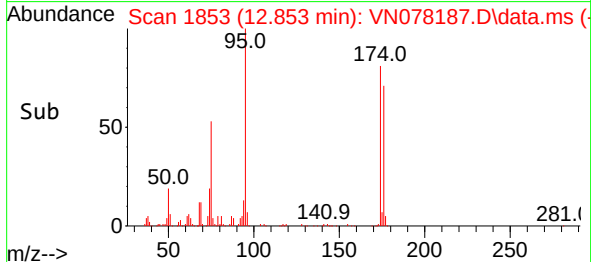
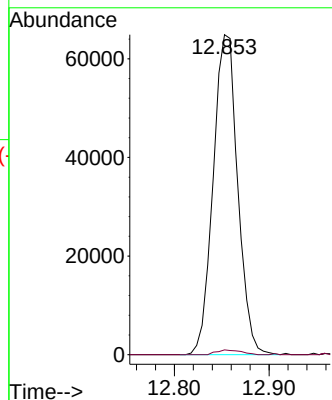
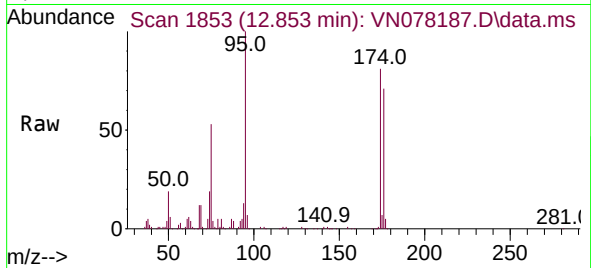




#76
1,2,3-Trichloropropane
Concen: 31.959 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078187.D
Acq: 13 Jun 2023 15:36

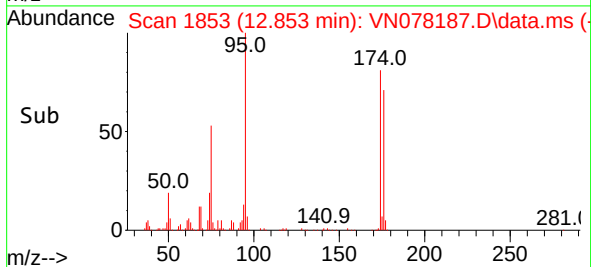
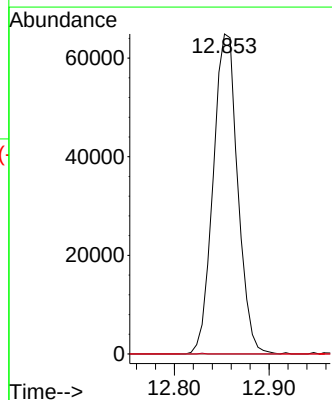
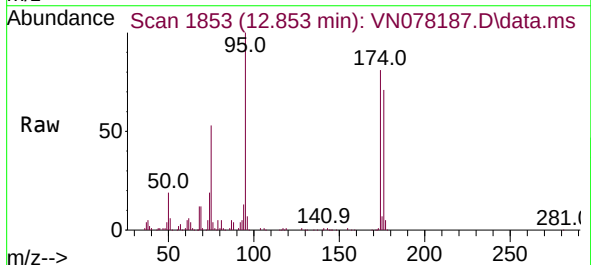
Instrument :
MSVOA_N
ClientSampleId :

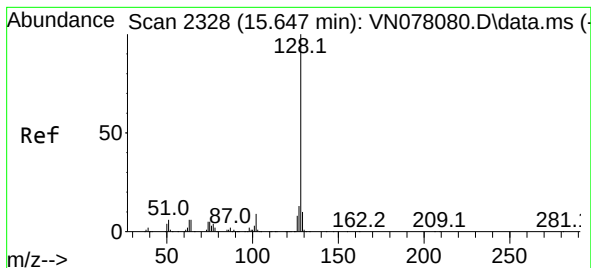
Tgt Ion: 75 Resp: 116915
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.187 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078187.D
Acq: 13 Jun 2023 15:36

Tgt Ion: 75 Resp: 116915
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#95

Naphthalene

Concen: 0.228 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.000 min

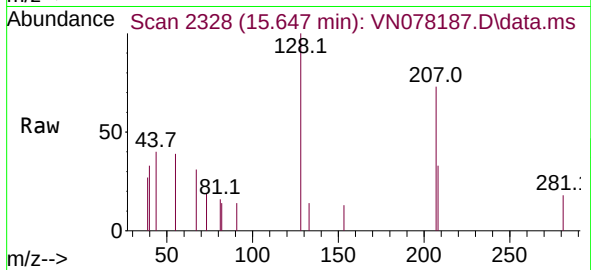
Lab File: VN078187.D

Acq: 13 Jun 2023 15:36

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	128	Resp:	1537
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.0	15.0#
129	0.0	8.7	13.1#

