

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051724\
 Data File : VN082179.D
 Acq On : 17 May 2024 15:15
 Operator : JC\MD
 Sample : VN0517WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBL01

Quant Time: May 17 23:10:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

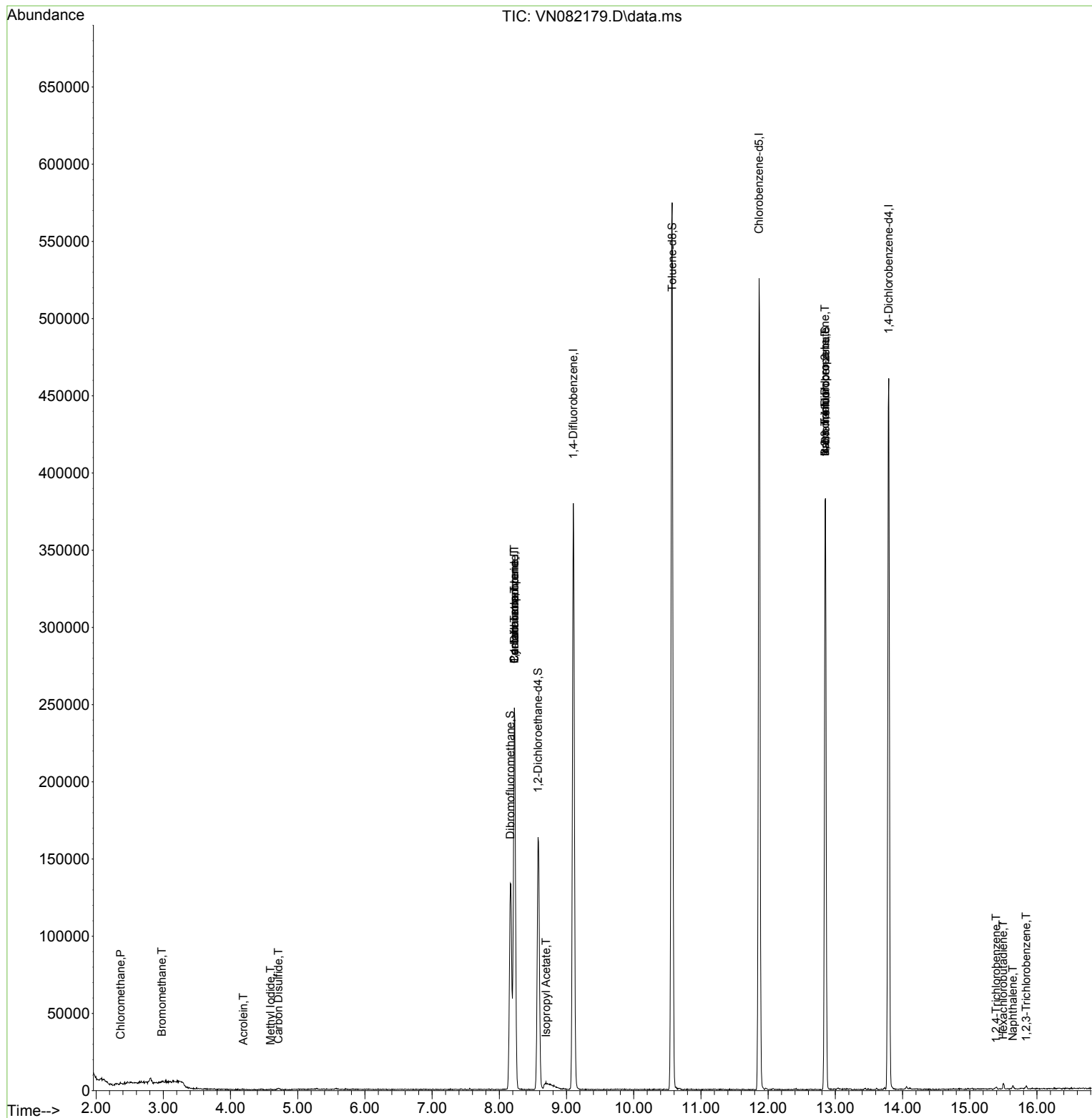
Internal Standards						
1) Pentafluorobenzene	8.224	168	169333	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	297612	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	273652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	116817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	137462	51.410	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 102.820%		
35) Dibromofluoromethane	8.165	113	94990	51.885	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.780%		
50) Toluene-d8	10.571	98	375640	53.517	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 107.040%		
62) 4-Bromofluorobenzene	12.853	95	125000	49.895	ug/l	0.00
Spiked Amount	50.000	Range 64 - 133	Recovery	= 99.800%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	621	0.224	ug/l #	83
5) Bromomethane	2.977	94	628	0.420	ug/l #	43
10) Methyl Iodide	4.595	142	564	0.282	ug/l #	40
13) Acrolein	4.189	56	273	0.858	ug/l #	15
17) Carbon Disulfide	4.712	76	1593	0.267	ug/l #	74
31) Cyclohexane	8.224	56	4833	1.132	ug/l #	40
36) 1,1-Dichloropropene	8.224	75	15916	5.184	ug/l #	47
38) Carbon Tetrachloride	8.224	117	17318	5.564	ug/l #	17
43) Isopropyl Acetate	8.694	43	4265	0.700	ug/l #	52
71) Bromoform	12.847	173	169	0.806	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	73471	29.882	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73471	69.892	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.394	180	524	0.246	ug/l #	78
94) Hexachlorobutadiene	15.494	225	1060	1.136	ug/l	78
95) Naphthalene	15.641	128	2693	0.404	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.841	180	985	0.463	ug/l	75

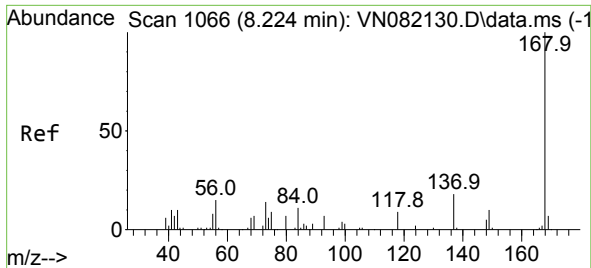
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 16 05:21:06 2024
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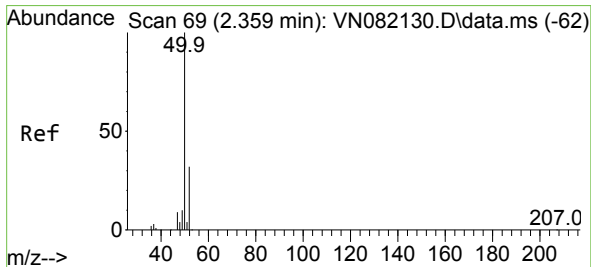
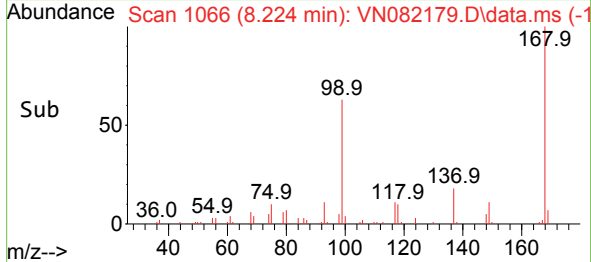
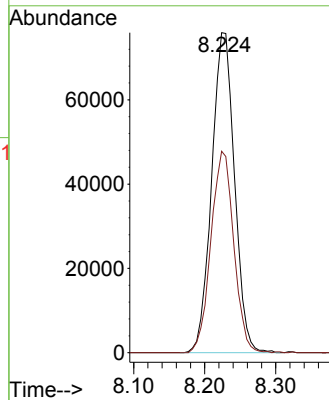
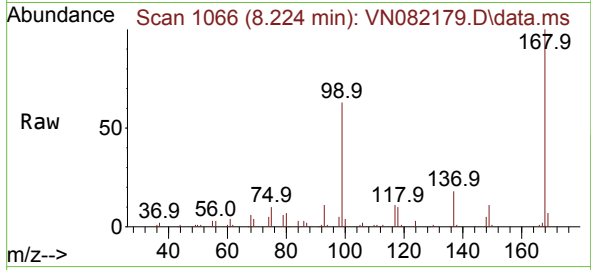




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN082179.D
Acq: 17 May 2024 15:15

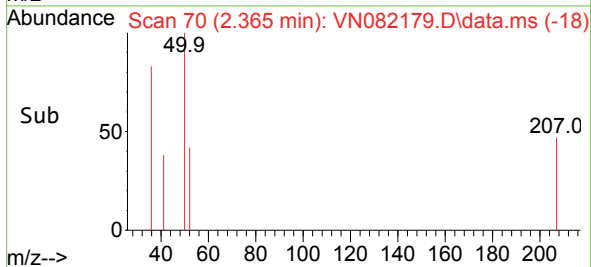
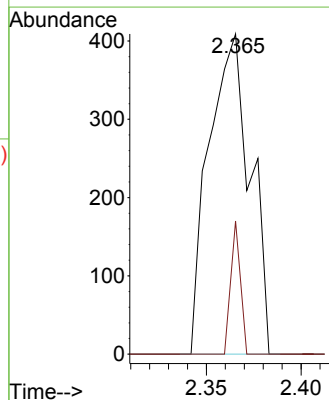
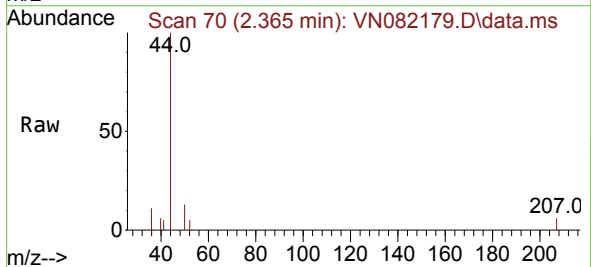
Instrument :
MSVOA_N
ClientSampleId :
VN0517WBL01

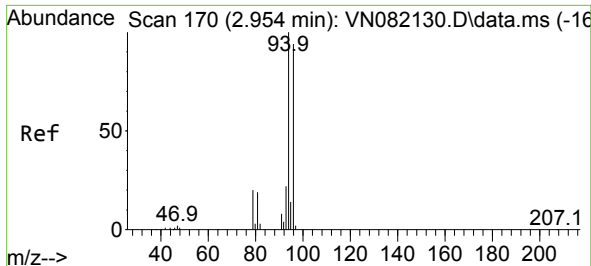
Tgt Ion:168 Resp: 169333
Ion Ratio Lower Upper
168 100
99 62.9 48.2 72.4



#3
Chloromethane
Concen: 0.224 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN082179.D
Acq: 17 May 2024 15:15

Tgt Ion: 50 Resp: 621
Ion Ratio Lower Upper
50 100
52 41.6 25.5 38.3#

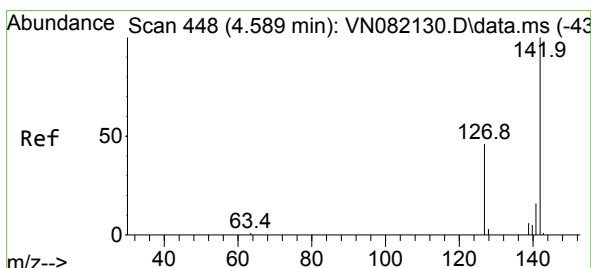
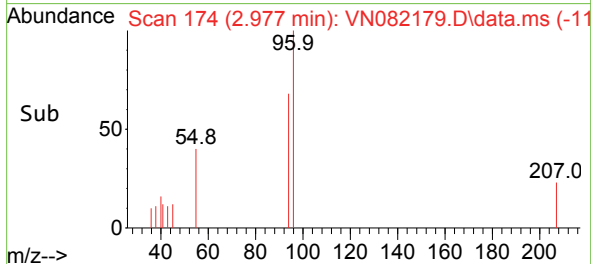
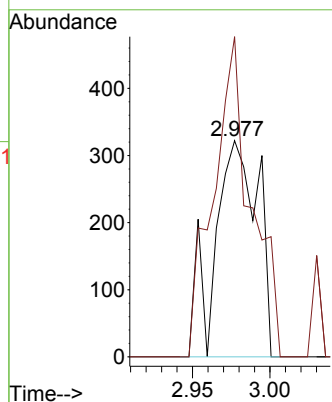
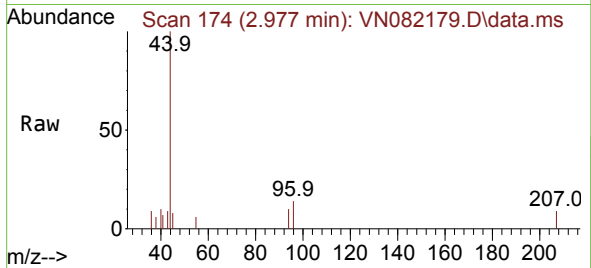




#5
Bromomethane
Concen: 0.420 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN082179.D
Acq: 17 May 2024 15:15

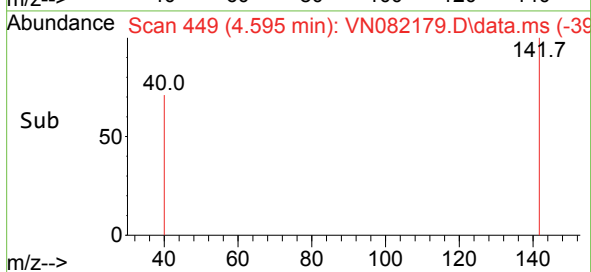
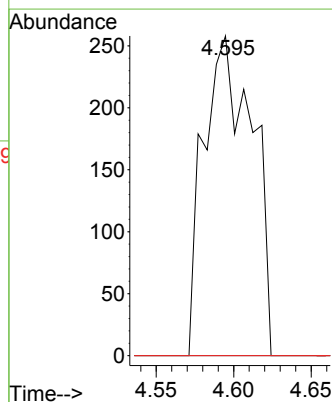
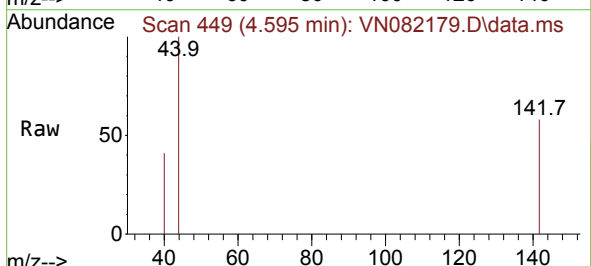
Instrument :
MSVOA_N
ClientSampleId :
VN0517WBL01

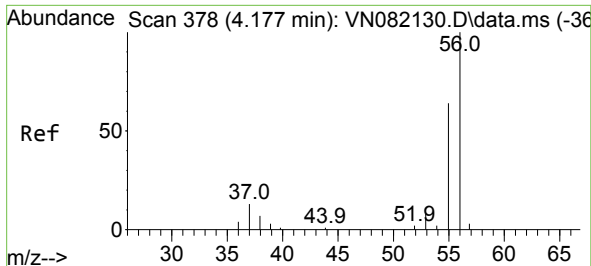
Tgt Ion: 94 Resp: 628
Ion Ratio Lower Upper
94 100
96 148.1 74.8 112.2#



#10
Methyl Iodide
Concen: 0.282 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN082179.D
Acq: 17 May 2024 15:15

Tgt Ion: 142 Resp: 564
Ion Ratio Lower Upper
142 100
127 0.0 35.8 53.6#
141 0.0 11.4 17.2#





#13

Acrolein

Concen: 0.858 ug/l

RT: 4.189 min Scan# 3

Delta R.T. 0.012 min

Lab File: VN082179.D

Acq: 17 May 2024 15:15

Instrument :

MSVOA_N

ClientSampleId :

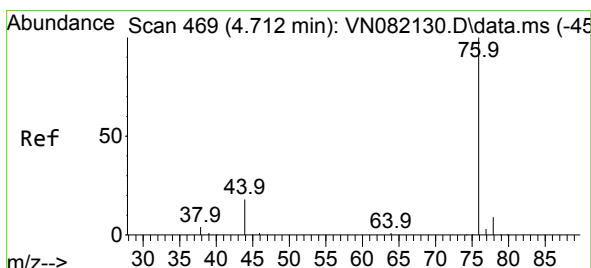
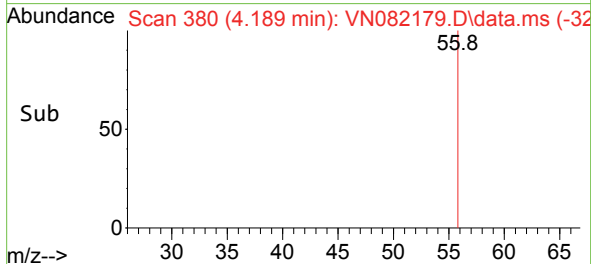
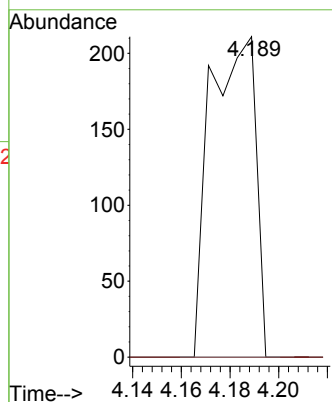
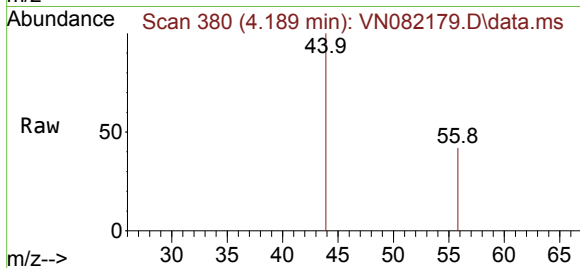
VN0517WBL01

Tgt Ion: 56 Resp: 273

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#17

Carbon Disulfide

Concen: 0.267 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN082179.D

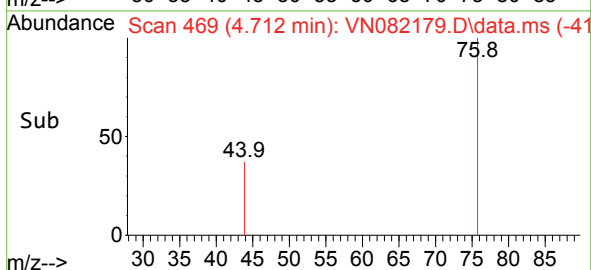
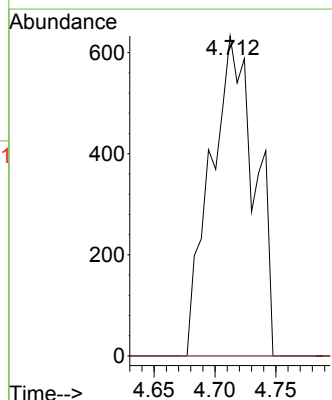
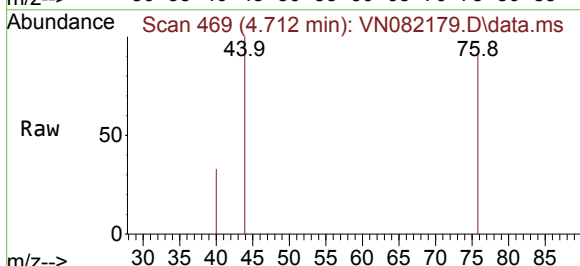
Acq: 17 May 2024 15:15

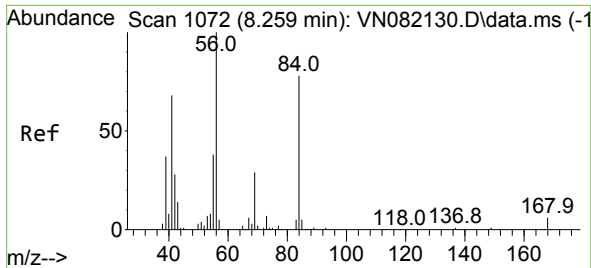
Tgt Ion: 76 Resp: 1593

Ion Ratio Lower Upper

76 100

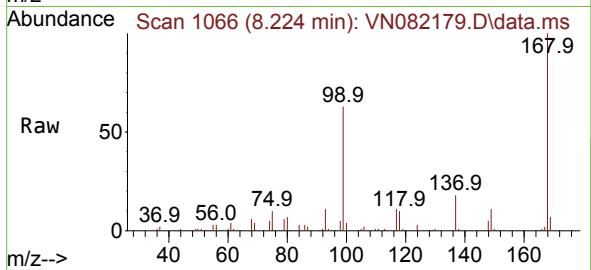
78 0.0 7.5 11.3#



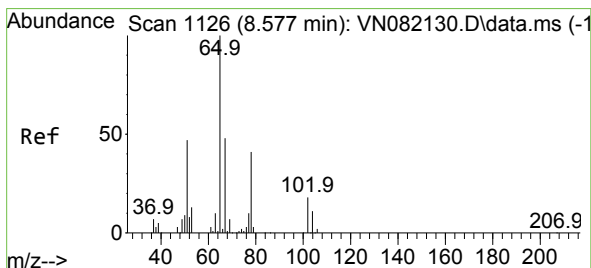
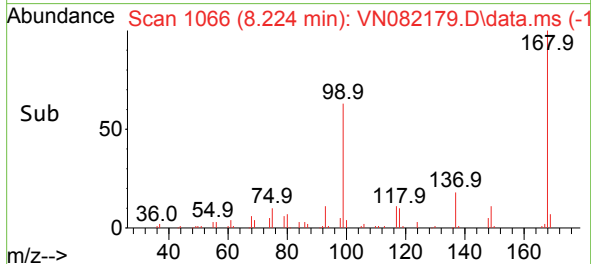
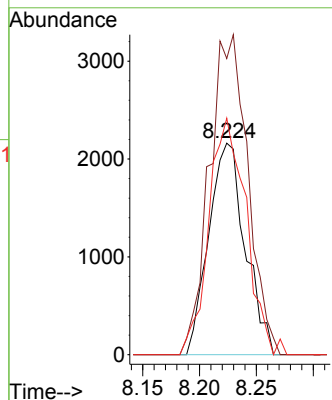


#31
Cyclohexane
Concen: 1.132 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082179.D
Acq: 17 May 2024 15:15

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBL01

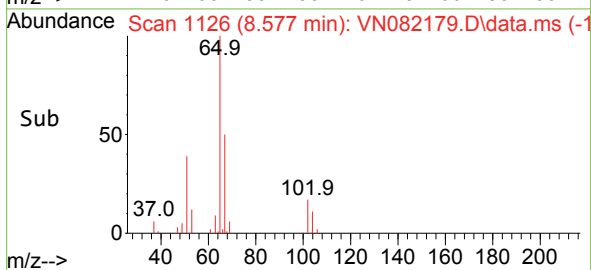
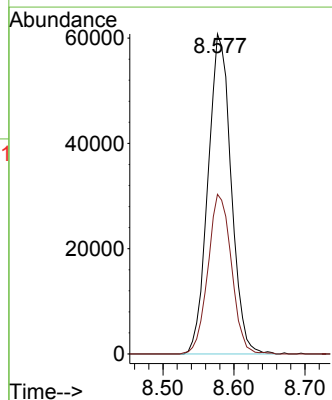
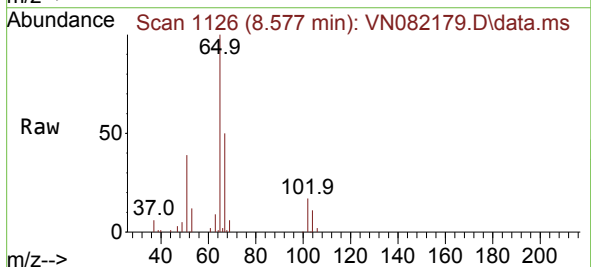


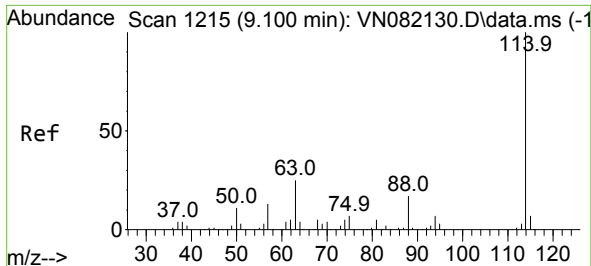
Tgt Ion: 56 Resp: 4833
Ion Ratio Lower Upper
56 100
69 140.1 24.4 36.6#
84 111.8 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 51.410 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN082179.D
Acq: 17 May 2024 15:15

Tgt Ion: 65 Resp: 137462
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN082179.D

Acq: 17 May 2024 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBL01

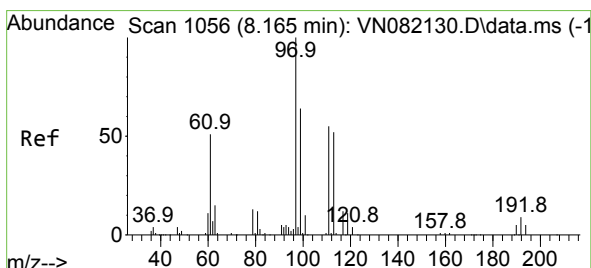
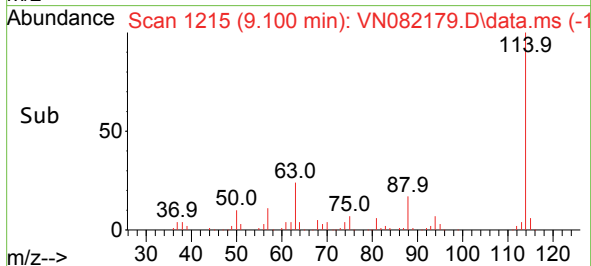
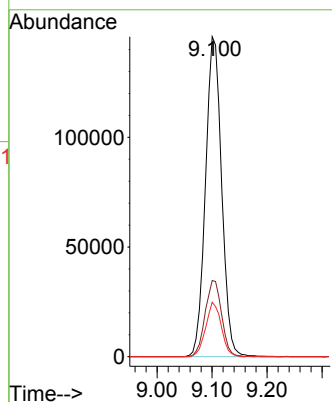
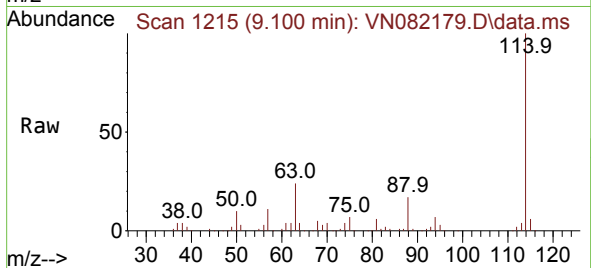
Tgt Ion:114 Resp: 297612

Ion Ratio Lower Upper

114 100

63 23.8 0.0 41.0

88 17.0 0.0 31.4



#35

Dibromofluoromethane

Concen: 51.885 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN082179.D

Acq: 17 May 2024 15:15

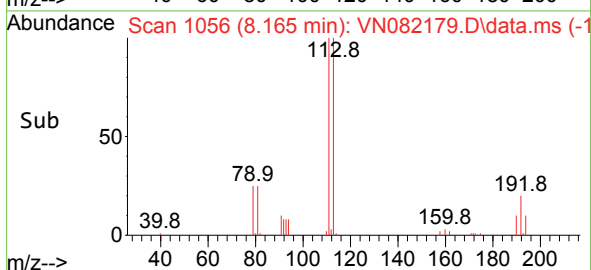
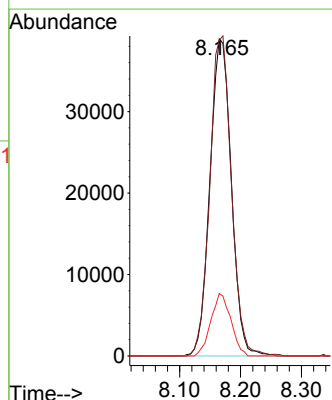
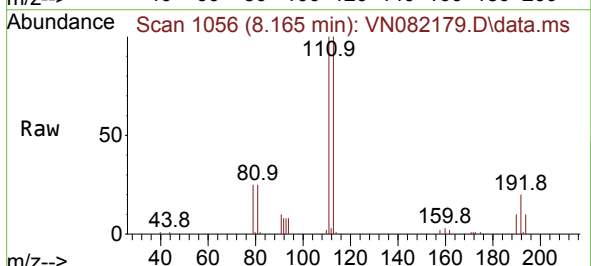
Tgt Ion:113 Resp: 94990

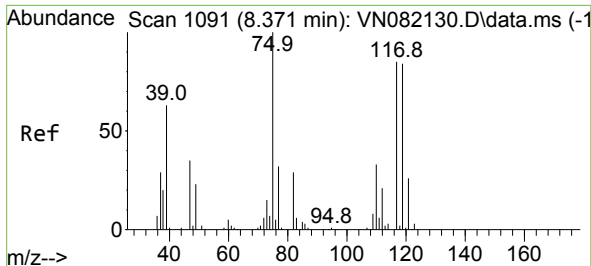
Ion Ratio Lower Upper

113 100

111 101.7 83.4 125.2

192 18.4 14.0 21.0

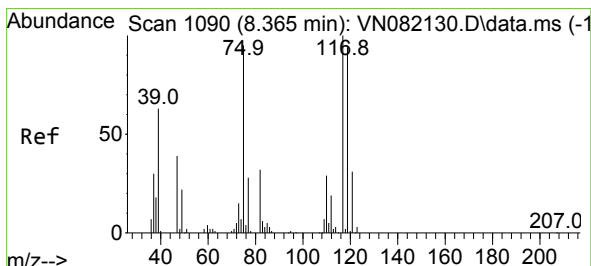
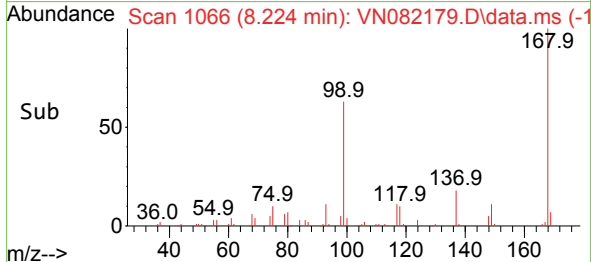
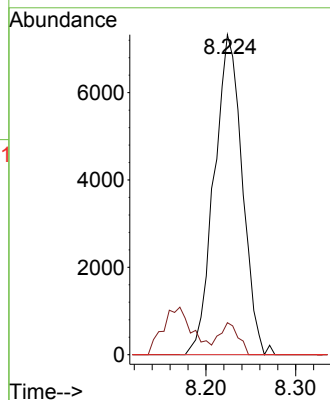
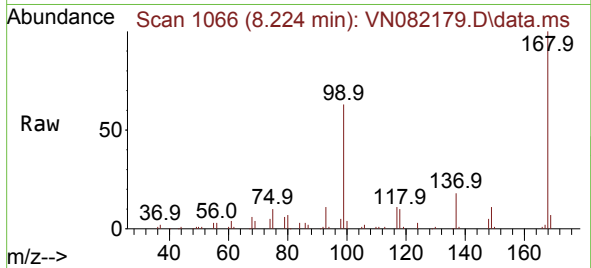




#36
1,1-Dichloropropene
Concen: 5.184 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082179.D
Acq: 17 May 2024 15:15

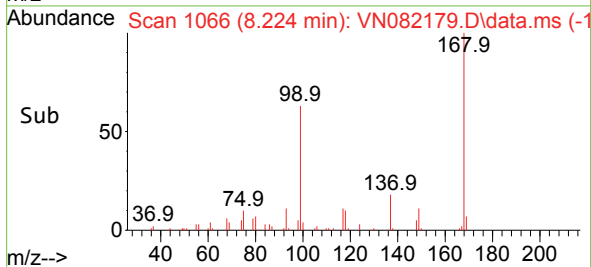
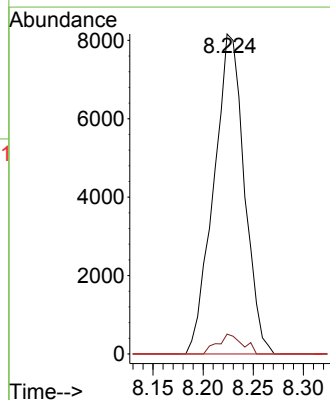
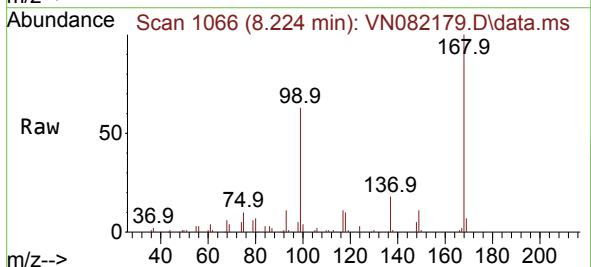
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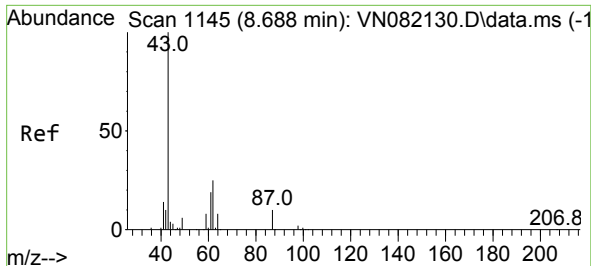
Tgt Ion: 75 Resp: 15916
Ion Ratio Lower Upper
75 100
110 6.7 17.8 53.5#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.564 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082179.D
Acq: 17 May 2024 15:15

Tgt Ion: 117 Resp: 17318
Ion Ratio Lower Upper
117 100
119 6.2 76.5 114.7#
121 0.0 23.9 35.9#

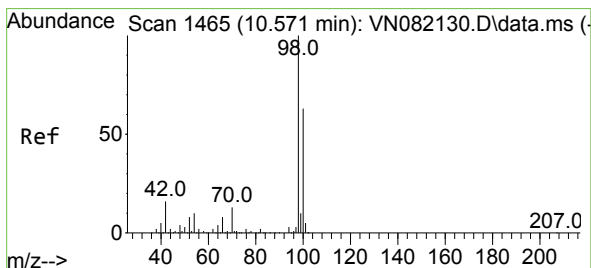
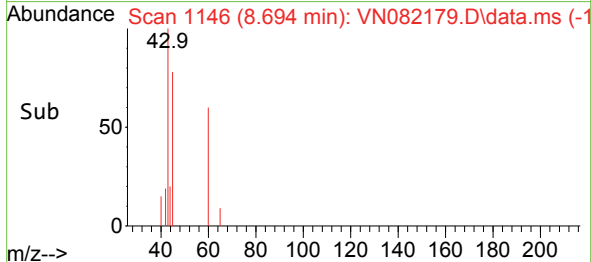
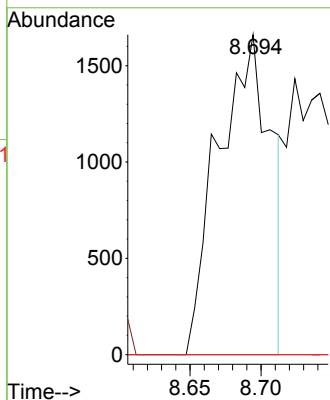
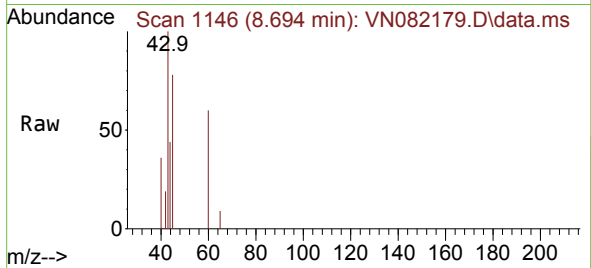




#43
Isopropyl Acetate
Concen: 0.700 ug/l
RT: 8.694 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN082179.D
Acq: 17 May 2024 15:15

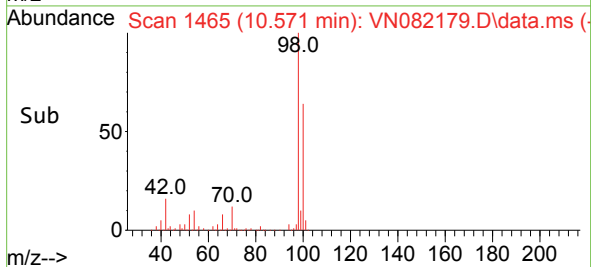
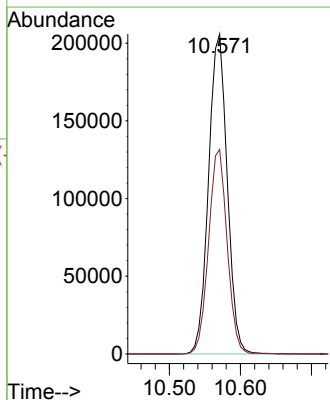
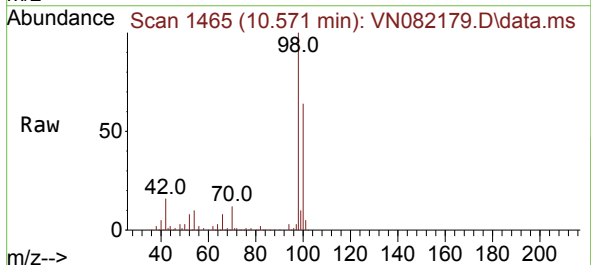
Instrument :
MSVOA_N
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VN0517WBL01

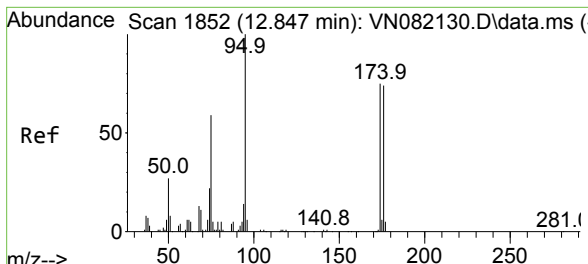
Tgt Ion: 43 Resp: 4265
Ion Ratio Lower Upper
43 100
61 0.0 22.8 34.2#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 53.517 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082179.D
Acq: 17 May 2024 15:15

Tgt Ion: 98 Resp: 375640
Ion Ratio Lower Upper
98 100
100 63.6 51.8 77.6

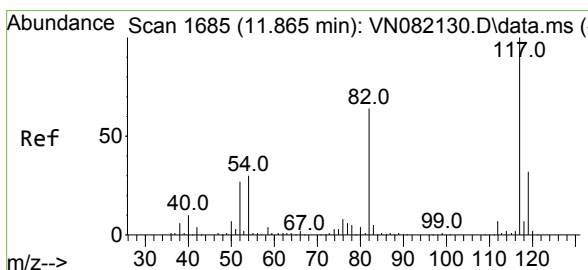
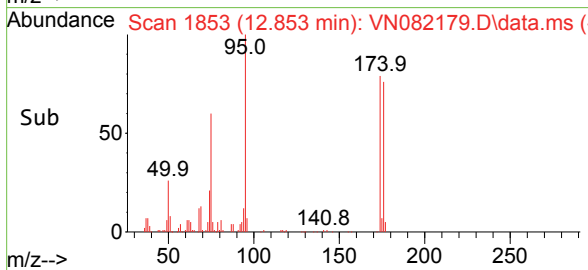
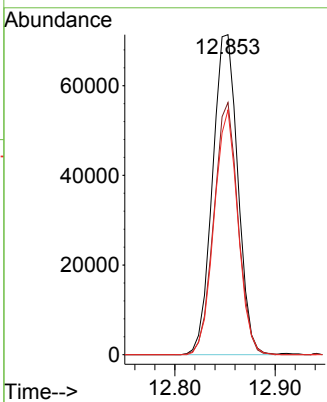
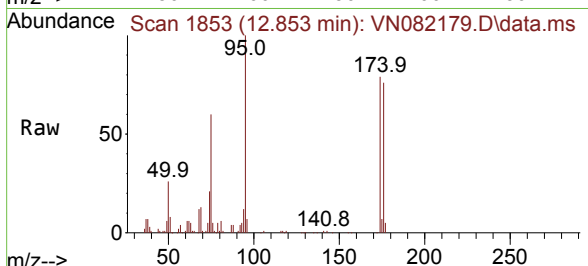




#62
4-Bromofluorobenzene
Concen: 49.895 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082179.D
Acq: 17 May 2024 15:15

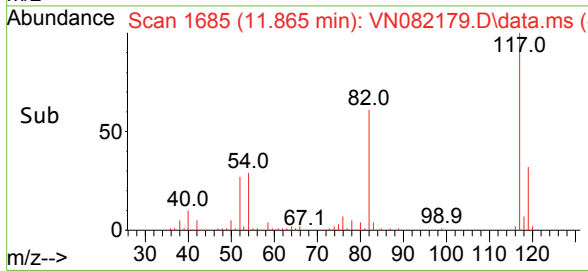
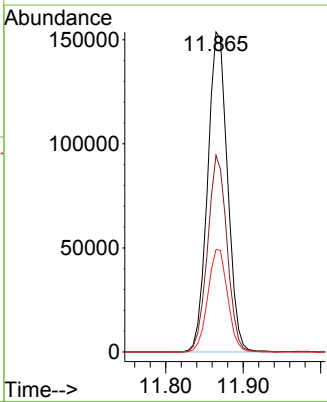
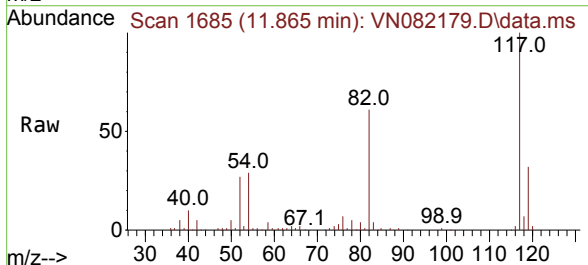
Instrument :
MSVOA_N
ClientSampleId :
VN0517WBL01

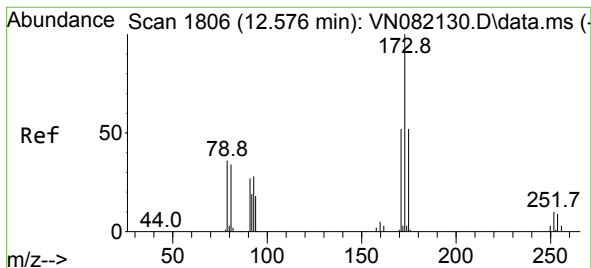
Tgt Ion:	95	Resp:	125000
Ion Ratio	Lower	Upper	
95	100		
174	75.4	0.0	160.6
176	72.0	0.0	152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN082179.D
Acq: 17 May 2024 15:15

Tgt Ion:	117	Resp:	273652
Ion Ratio	Lower	Upper	
117	100		
82	61.5	44.6	66.8
119	32.1	25.9	38.9





#71

Bromoform

Concen: 0.806 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN082179.D

Acq: 17 May 2024 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBL01

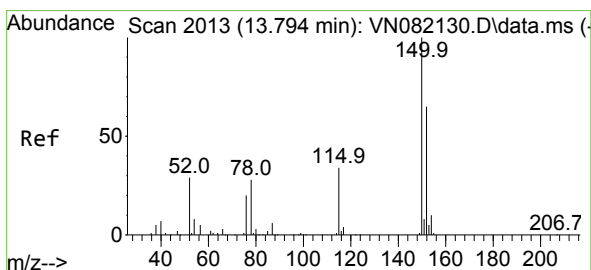
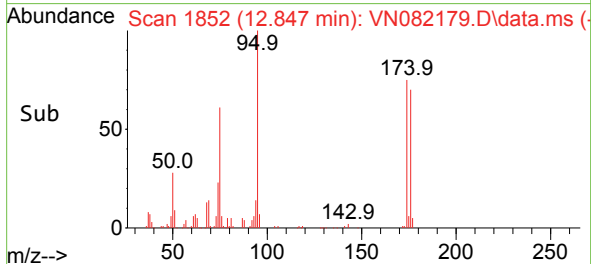
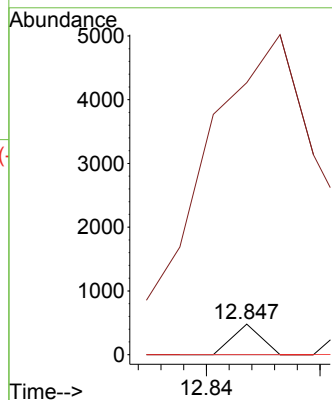
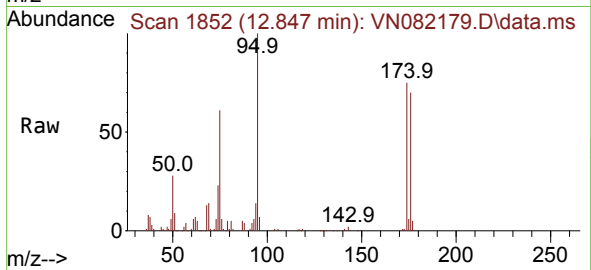
Tgt Ion:173 Resp: 169

Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN082179.D

Acq: 17 May 2024 15:15

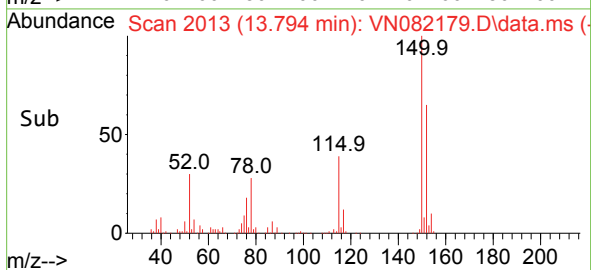
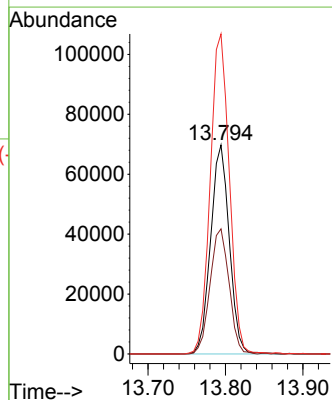
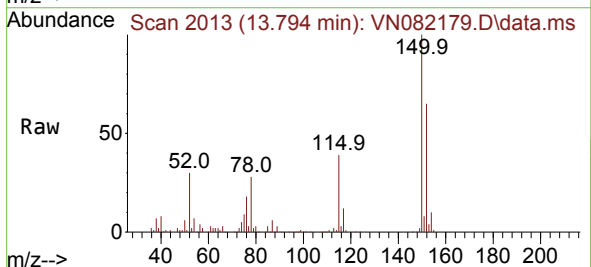
Tgt Ion:152 Resp: 116817

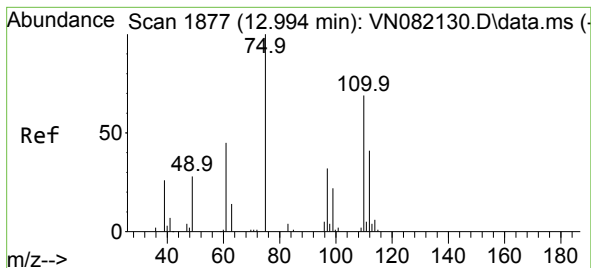
Ion Ratio Lower Upper

152 100

115 60.8 30.4 91.3

150 156.1 0.0 353.2





#76

1,2,3-Trichloropropane

Concen: 29.882 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082179.D

Acq: 17 May 2024 15:15

Instrument :

MSVOA_N

ClientSampleId :

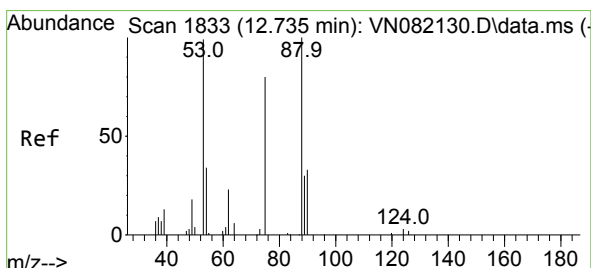
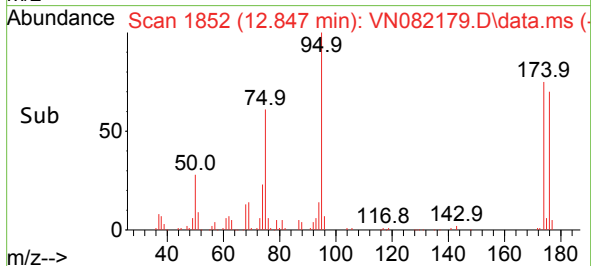
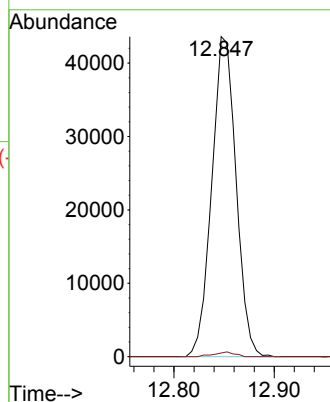
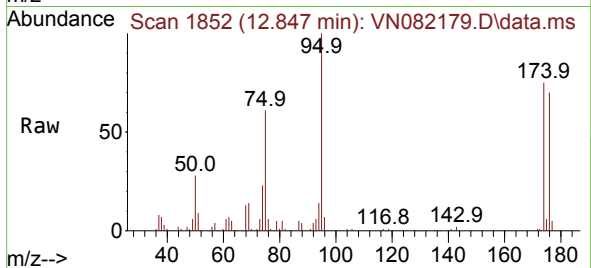
VN0517WBL01

Tgt Ion: 75 Resp: 73471

Ion Ratio Lower Upper

75 100

77 1.2 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.892 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN082179.D

Acq: 17 May 2024 15:15

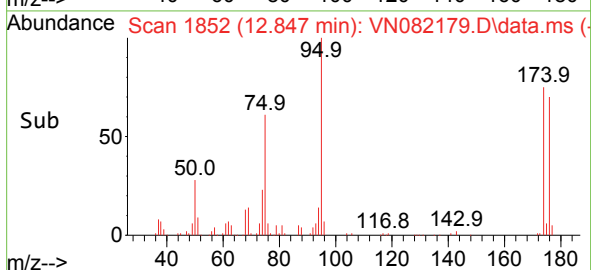
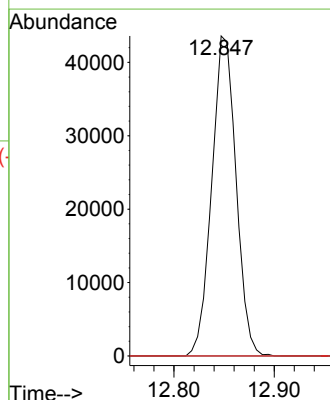
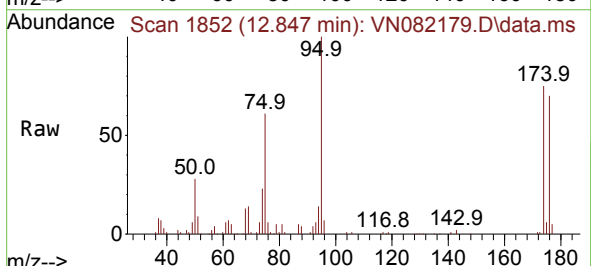
Tgt Ion: 75 Resp: 73471

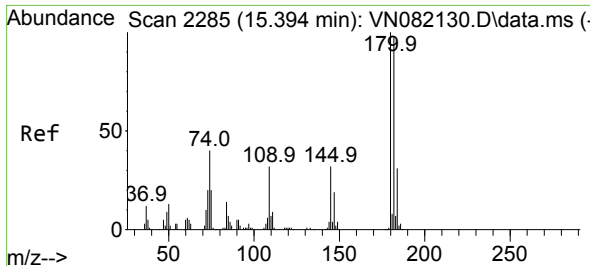
Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#

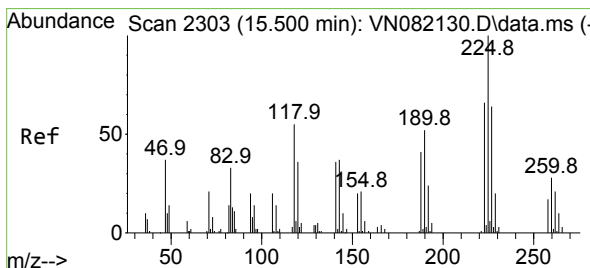
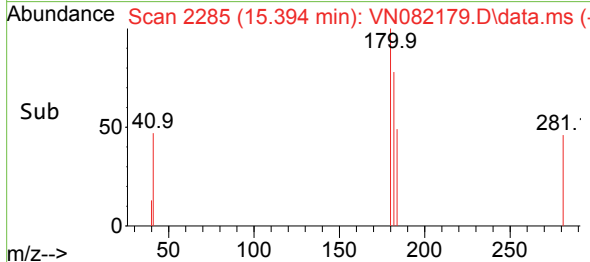
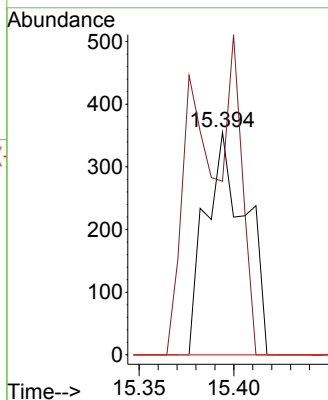
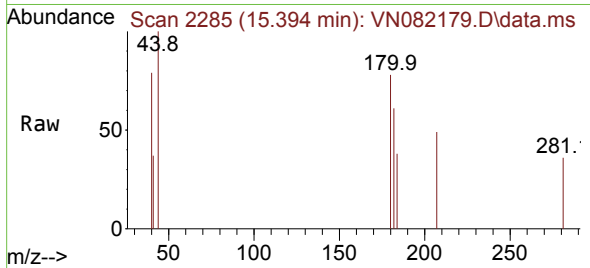




#93
1,2,4-Trichlorobenzene
Concen: 0.246 ug/l
RT: 15.394 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN082179.D
Acq: 17 May 2024 15:15

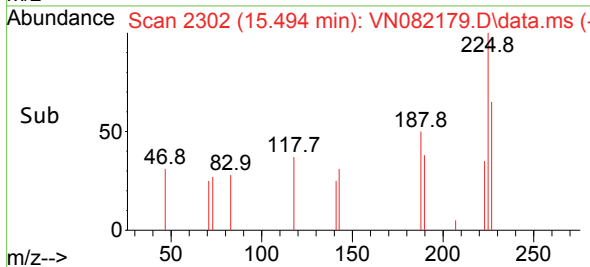
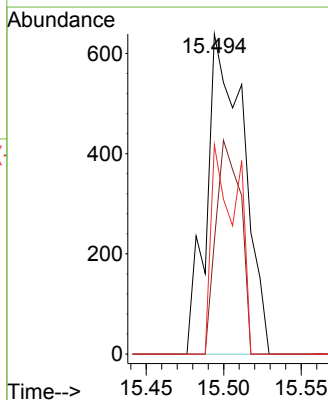
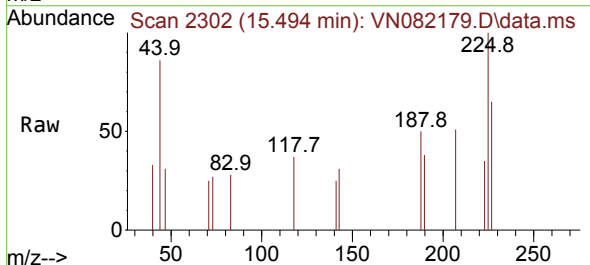
Instrument :
MSVOA_N
ClientSampleId :
VN0517WBL01

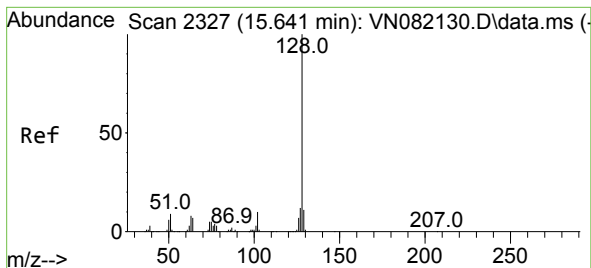
Tgt Ion:180 Resp: 524
Ion Ratio Lower Upper
180 100
182 102.1 46.7 140.0
145 0.0 16.2 48.6#



#94
Hexachlorobutadiene
Concen: 1.136 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN082179.D
Acq: 17 May 2024 15:15

Tgt Ion:225 Resp: 1060
Ion Ratio Lower Upper
225 100
223 44.5 31.1 93.2
227 45.6 30.6 91.6





#95

Naphthalene

Concen: 0.404 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN082179.D

Acq: 17 May 2024 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBL01

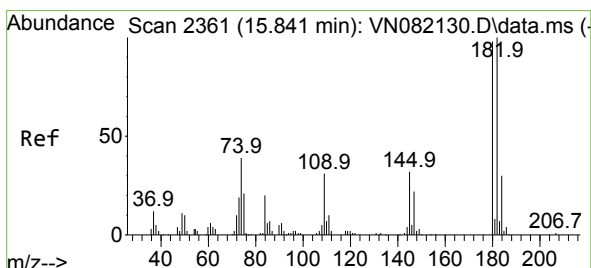
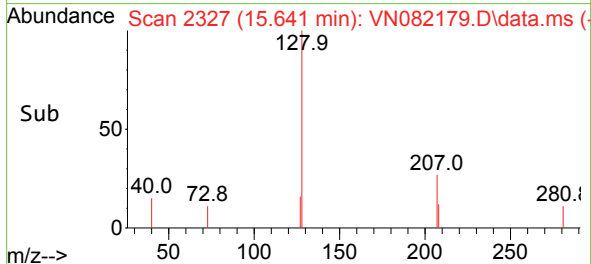
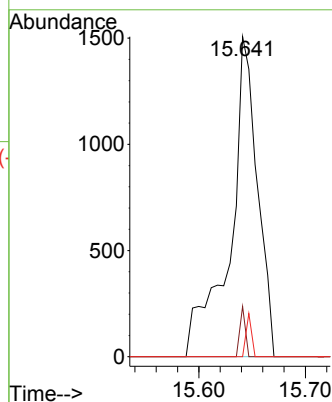
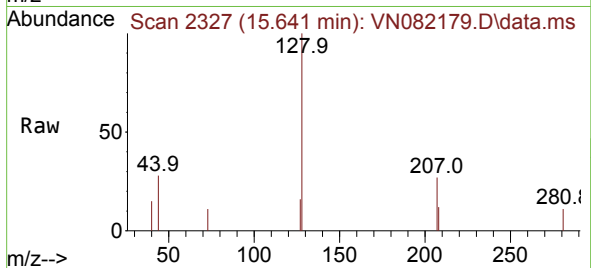
Tgt Ion:128 Resp: 2693

Ion Ratio Lower Upper

128 100

127 3.1 10.1 15.1#

129 2.7 8.9 13.3#



#96

1,2,3-Trichlorobenzene

Concen: 0.463 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VN082179.D

Acq: 17 May 2024 15:15

Tgt Ion:180 Resp: 985

Ion Ratio Lower Upper

180 100

182 67.1 46.0 137.8

145 21.8 17.1 51.3

