

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052324\
 Data File : VN082323.D
 Acq On : 23 May 2024 15:54
 Operator : JC\MD
 Sample : P2558-01 10X
 Misc : 1.12g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 24 04:20:15 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)

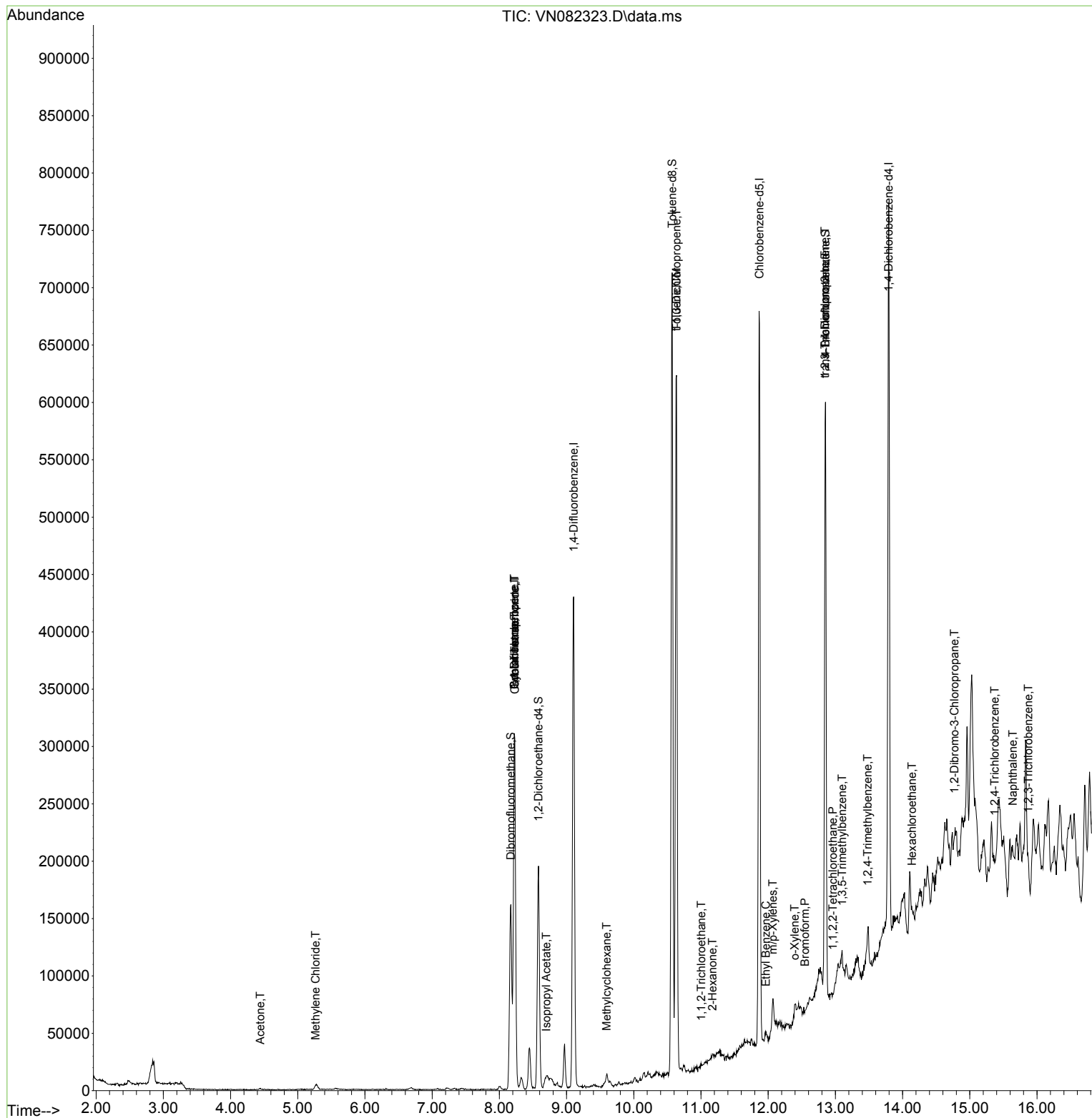
Internal Standards						
1) Pentafluorobenzene	8.224	168	203050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	349482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	335691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	156229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	157645	49.169	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.340%
35) Dibromofluoromethane	8.171	113	111559	51.891	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.780%
50) Toluene-d8	10.570	98	445260	54.021	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	108.040%
62) 4-Bromofluorobenzene	12.853	95	170663	58.011	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	116.020%
Target Compounds						
					Qvalue	
16) Acetone	4.441	43	1952	1.484	ug/l	94
20) Methylene Chloride	5.265	84	1565	0.590	ug/l #	87
31) Cyclohexane	8.224	56	11166	2.181	ug/l #	59
36) 1,1-Dichloropropene	8.224	75	19127	5.305	ug/l #	50
38) Carbon Tetrachloride	8.229	117	21438	5.865	ug/l #	18
39) Methylcyclohexane	9.594	83	4182	1.058	ug/l #	70
43) Isopropyl Acetate	8.700	43	17008	2.379	ug/l #	52
52) Toluene	10.635	92	259086	40.153	ug/l	99
53) t-1,3-Dichloropropene	10.635	75	3618	0.910	ug/l #	1
55) 1,1,2-Trichloroethane	11.006	97	1565	0.667	ug/l #	14
59) 2-Hexanone	11.170	43	864	0.290	ug/l #	23
67) Ethyl Benzene	11.964	91	6213	0.468	ug/l #	75
68) m/p-Xylenes	12.070	106	8374	1.722	ug/l	90
69) o-Xylene	12.394	106	3458	0.734	ug/l	84
71) Bromoform	12.547	173	1271	1.346	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.964	83	820	0.229	ug/l #	44
76) 1,2,3-Trichloropropane	12.847	75	99231	30.177	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.100	105	7907	0.788	ug/l	81
81) trans-1,4-Dichloro-2-b...	12.847	75	99231	70.584	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.482	105	14706	1.432	ug/l	89
90) Hexachloroethane	14.141	117	489	0.267	ug/l	76
92) 1,2-Dibromo-3-Chloropr...	14.770	75	426	0.580	ug/l	95
93) 1,2,4-Trichlorobenzene	15.370	180	770	0.271	ug/l #	13
95) Naphthalene	15.641	128	18069	2.028	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.870	180	1439	0.506	ug/l #	14

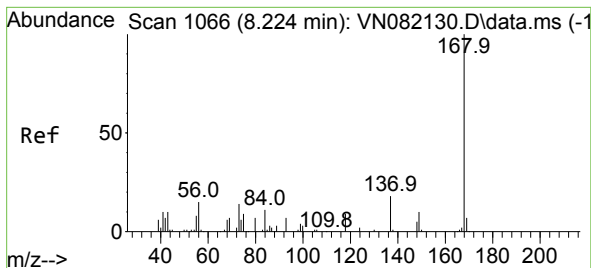
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN082323.D

Acq: 23 May 2024 15:54

Instrument :

MSVOA_N

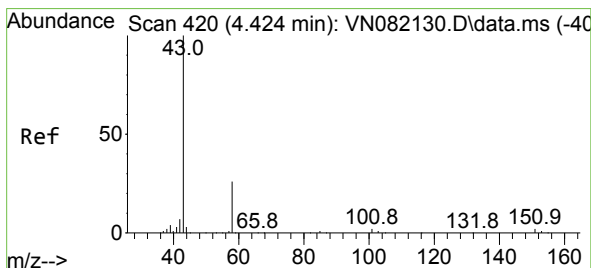
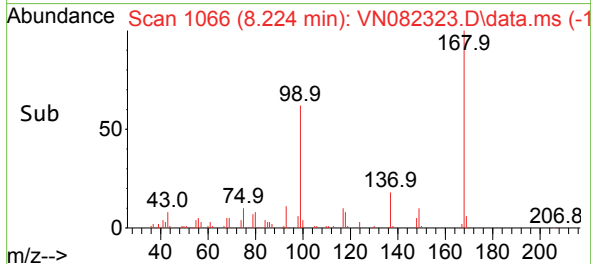
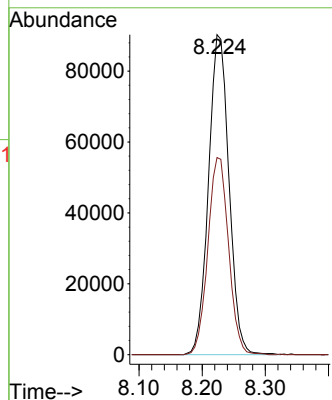
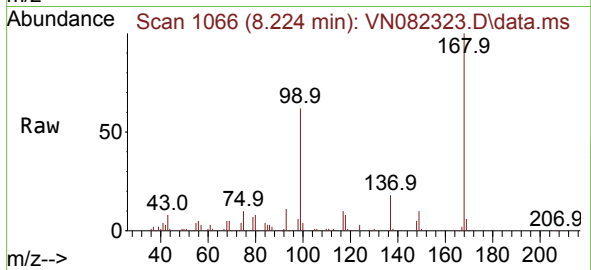
ClientSampleId :

Tgt Ion:168 Resp: 203050

Ion Ratio Lower Upper

168 100

99 61.6 48.2 72.4



#16

Acetone

Concen: 1.484 ug/l

RT: 4.441 min Scan# 423

Delta R.T. 0.017 min

Lab File: VN082323.D

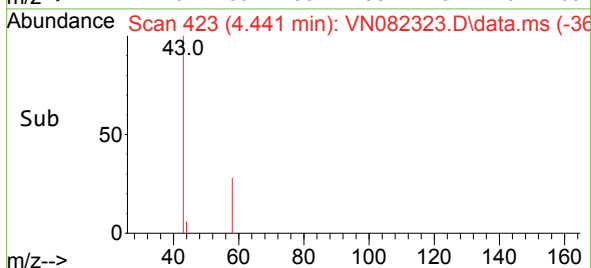
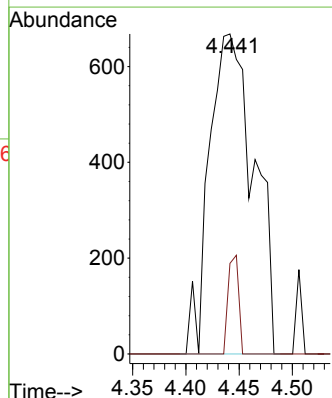
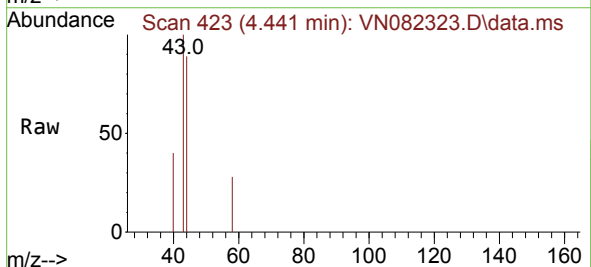
Acq: 23 May 2024 15:54

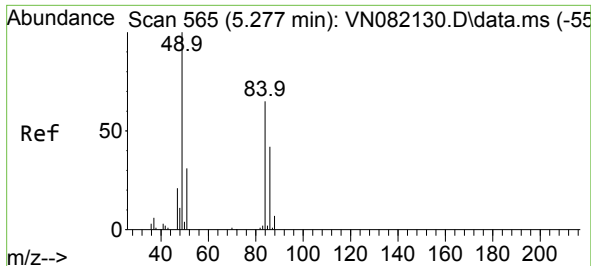
Tgt Ion: 43 Resp: 1952

Ion Ratio Lower Upper

43 100

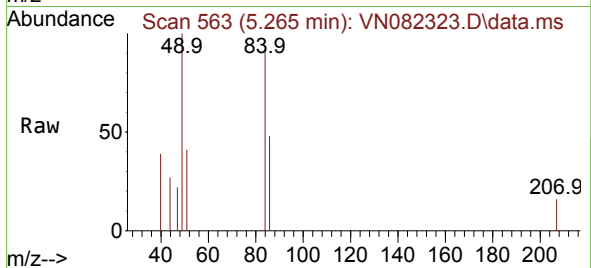
58 28.3 25.2 37.8



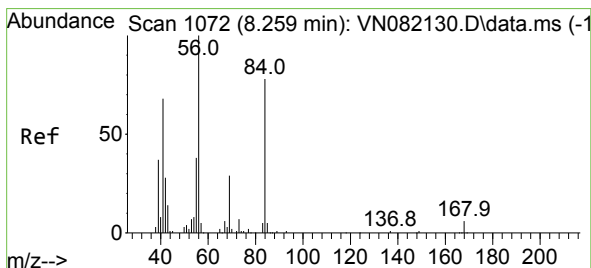
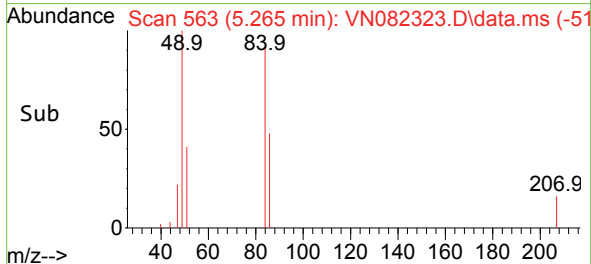
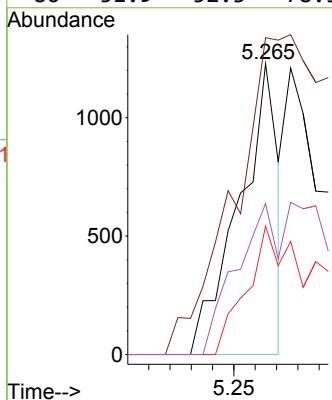


#20
Methylene Chloride
Concen: 0.590 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN082323.D
Acq: 23 May 2024 15:54

Instrument :
MSVOA_N
ClientSampleId :

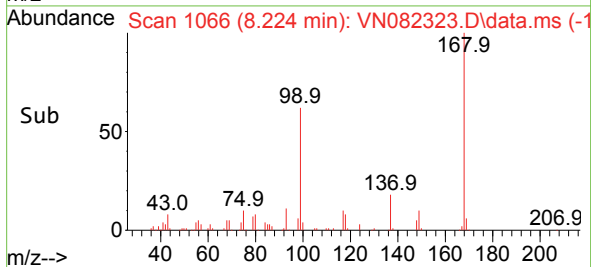
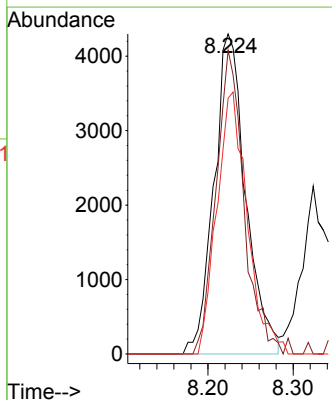
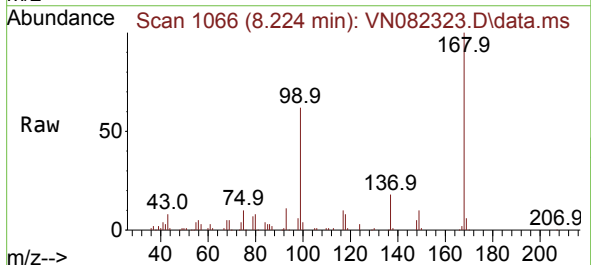


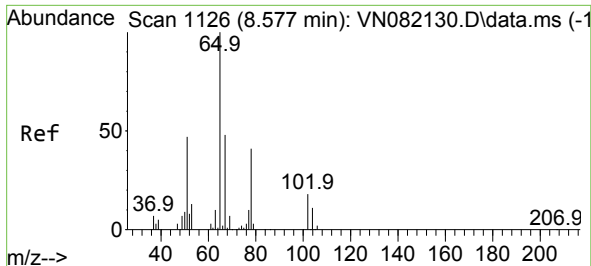
Tgt Ion:	84	Resp:	1565
Ion	Ratio	Lower	Upper
84	100		
49	96.2	84.9	127.3
51	44.1	27.0	40.6#
86	51.9	52.3	78.5#



#31
Cyclohexane
Concen: 2.181 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.036 min
Lab File: VN082323.D
Acq: 23 May 2024 15:54

Tgt Ion:	56	Resp:	11166
Ion	Ratio	Lower	Upper
56	100		
69	94.9	24.4	36.6#
84	79.9	77.0	115.4





#33

1,2-Dichloroethane-d4

Concen: 49.169 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082323.D

Acq: 23 May 2024 15:54

Instrument :

MSVOA_N

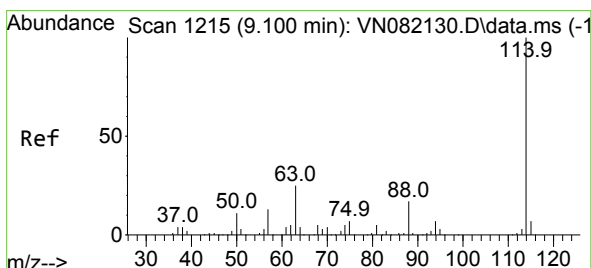
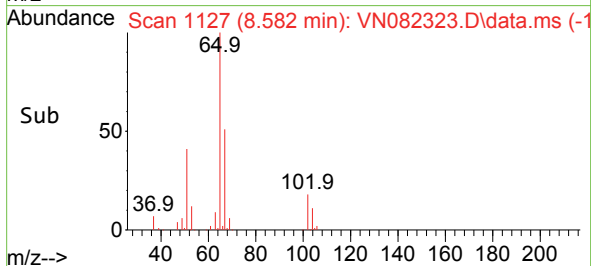
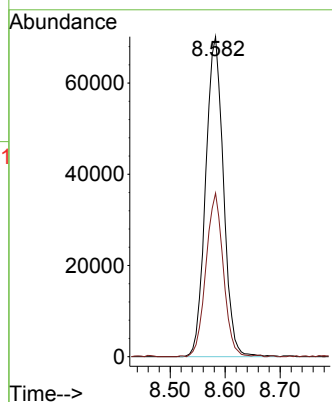
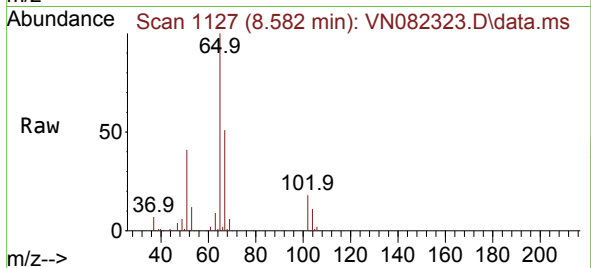
ClientSampleId :

Tgt Ion: 65 Resp: 157645

Ion Ratio Lower Upper

65 100

67 50.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082323.D

Acq: 23 May 2024 15:54

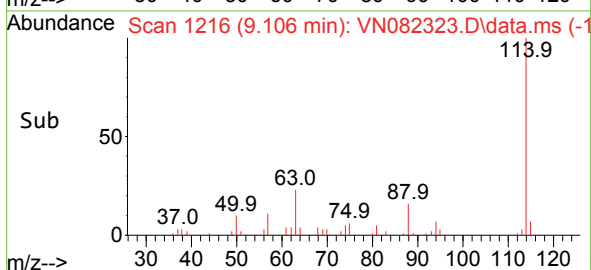
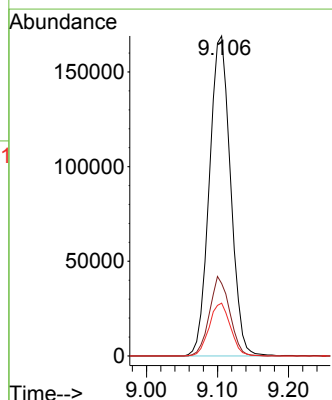
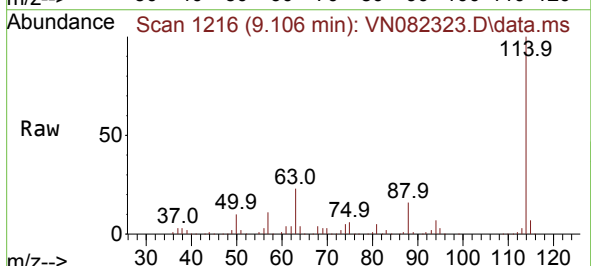
Tgt Ion: 114 Resp: 349482

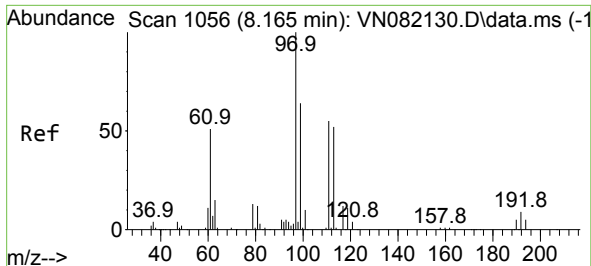
Ion Ratio Lower Upper

114 100

63 22.7 0.0 41.0

88 16.5 0.0 31.4

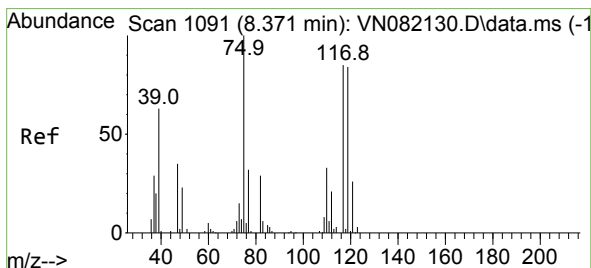
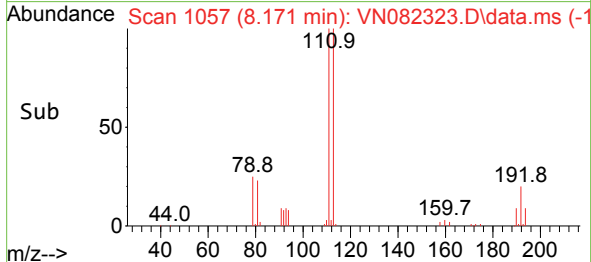
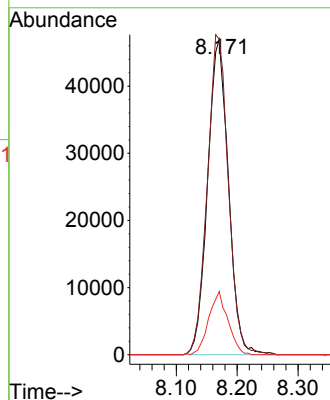
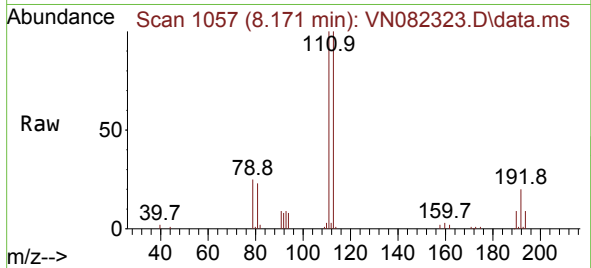




#35
Dibromofluoromethane
Concen: 51.891 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082323.D
Acq: 23 May 2024 15:54

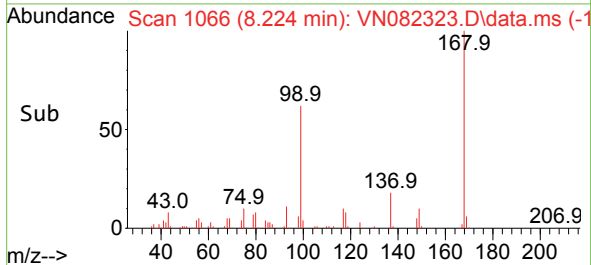
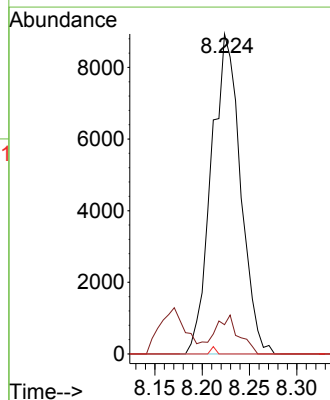
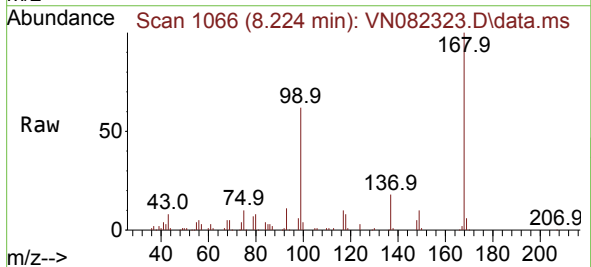
Instrument :
MSVOA_N
ClientSampleId :

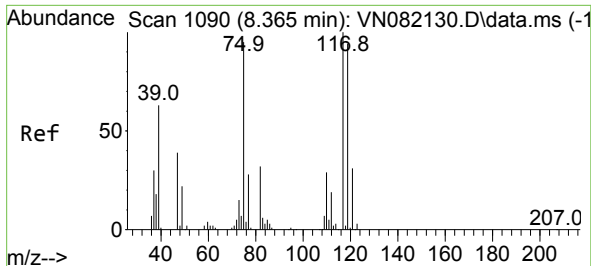
Tgt Ion:113 Resp: 111559
Ion Ratio Lower Upper
113 100
111 102.2 83.4 125.2
192 18.5 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.305 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082323.D
Acq: 23 May 2024 15:54

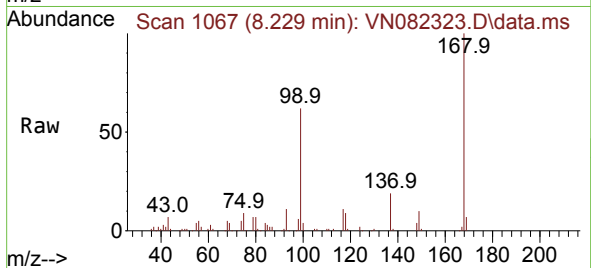
Tgt Ion: 75 Resp: 19127
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.4 25.0 37.4#



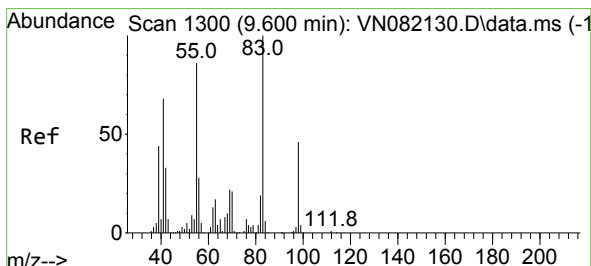
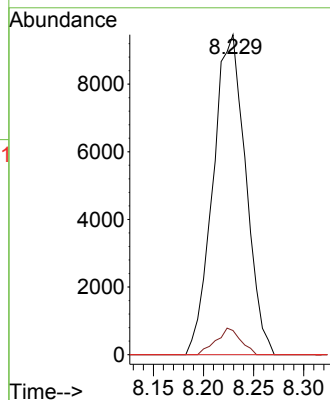
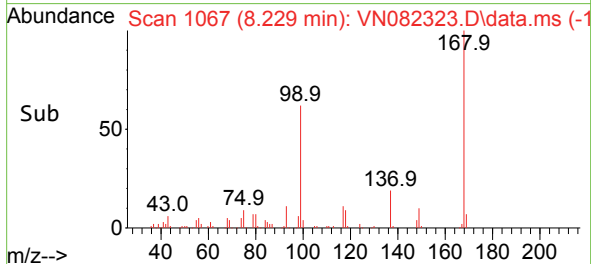


#38
Carbon Tetrachloride
Concen: 5.865 ug/l
RT: 8.229 min Scan# 1100
Delta R.T. -0.136 min
Lab File: VN082323.D
Acq: 23 May 2024 15:54

Instrument :
MSVOA_N
ClientSampleId :

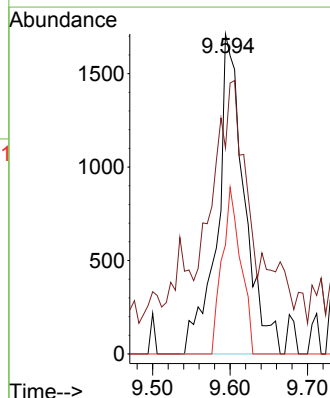
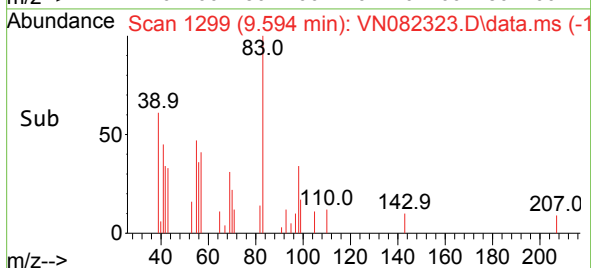
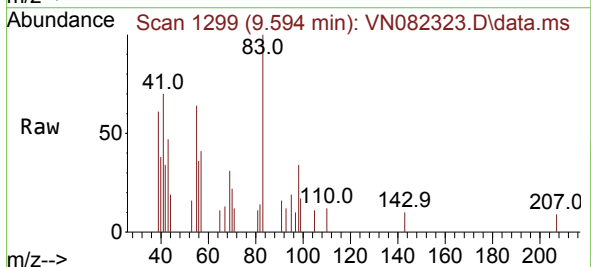


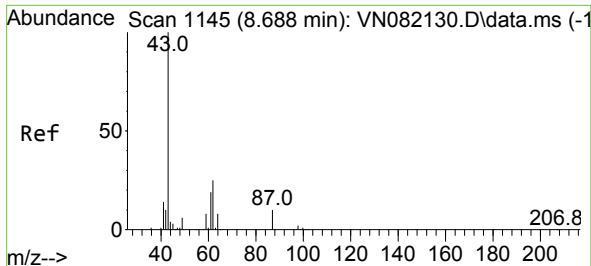
Tgt Ion:117 Resp: 21438
Ion Ratio Lower Upper
117 100
119 7.6 76.5 114.7#
121 0.0 23.9 35.9#



#39
Methylcyclohexane
Concen: 1.058 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.006 min
Lab File: VN082323.D
Acq: 23 May 2024 15:54

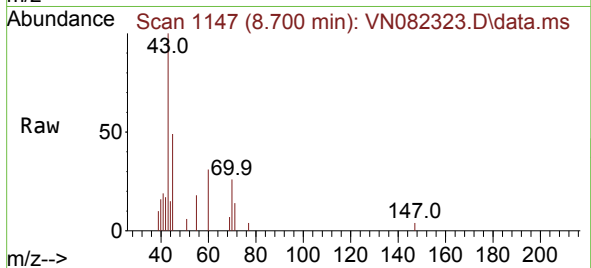
Tgt Ion: 83 Resp: 4182
Ion Ratio Lower Upper
83 100
55 35.6 53.0 79.6#
98 34.1 37.1 55.7#



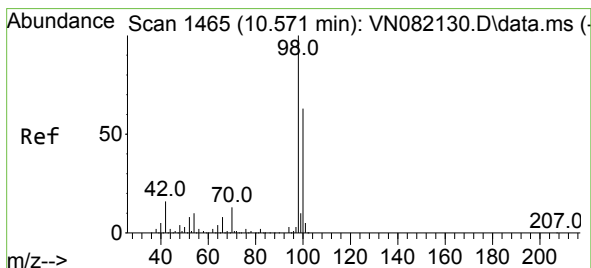
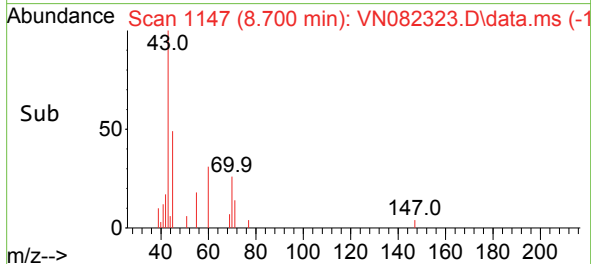
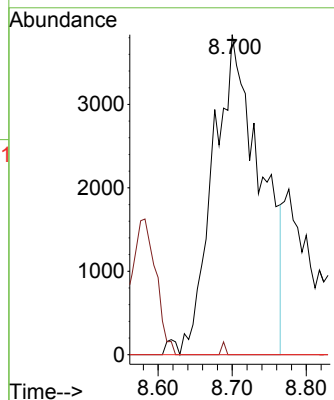


#43
Isopropyl Acetate
Concen: 2.379 ug/l
RT: 8.700 min Scan# 1145
Delta R.T. 0.012 min
Lab File: VN082323.D
Acq: 23 May 2024 15:54

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ClientSampleId :

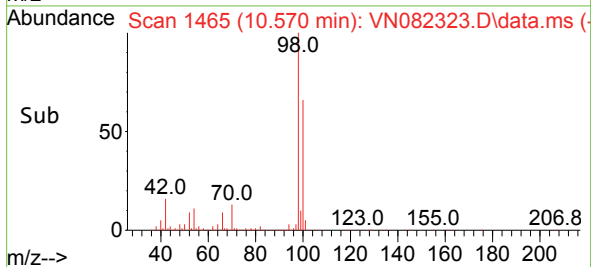
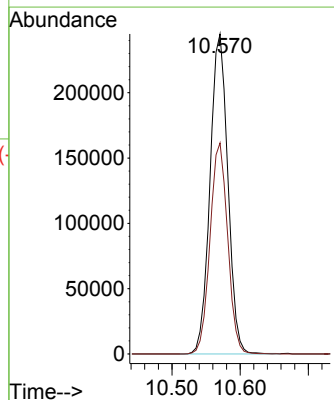
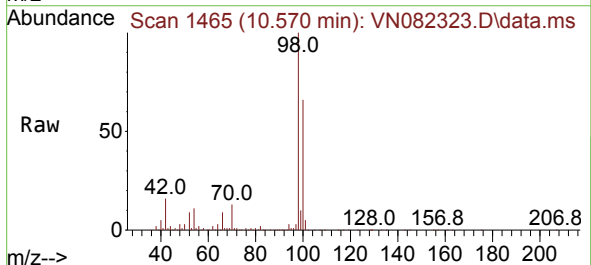


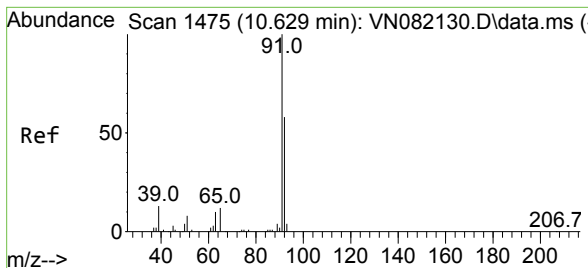
Tgt Ion: 43 Resp: 17008
Ion Ratio Lower Upper
43 100
61 0.0 22.8 34.2#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 54.021 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082323.D
Acq: 23 May 2024 15:54

Tgt Ion: 98 Resp: 445260
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.6





#52

Toluene

Concen: 40.153 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VN082323.D

Acq: 23 May 2024 15:54

Instrument :

MSVOA_N

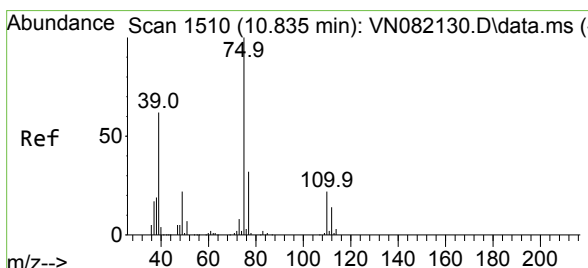
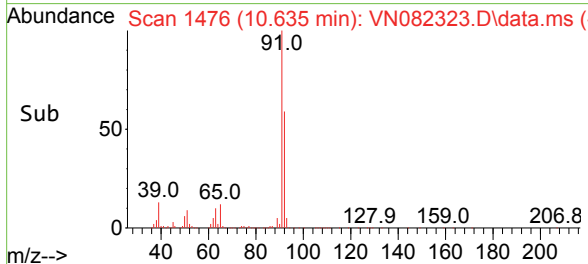
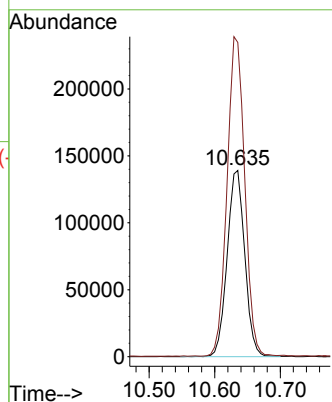
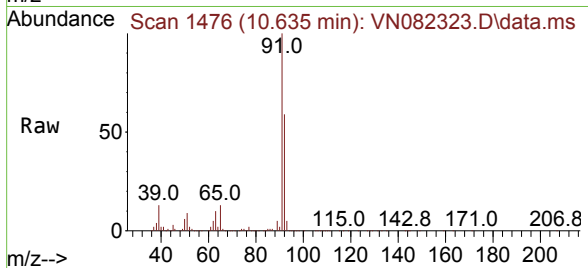
ClientSampleId :

Tgt Ion: 92 Resp: 259086

Ion Ratio Lower Upper

92 100

91 171.8 136.7 205.1



#53

t-1,3-Dichloropropene

Concen: 0.910 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. -0.200 min

Lab File: VN082323.D

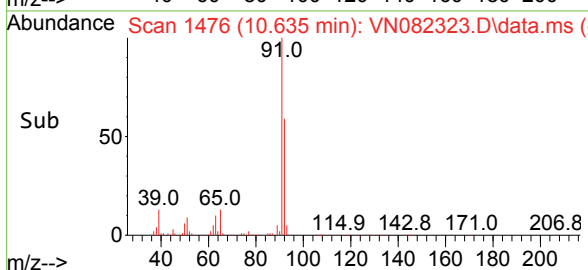
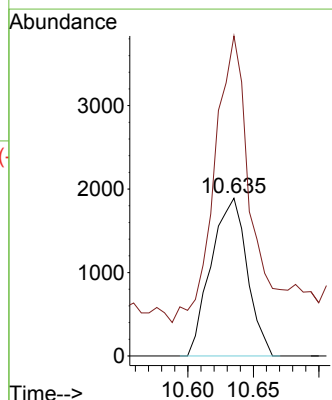
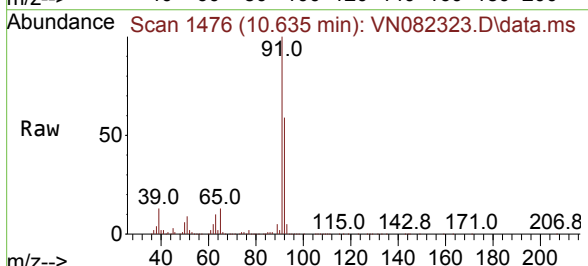
Acq: 23 May 2024 15:54

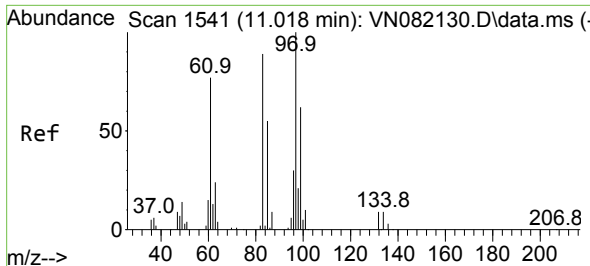
Tgt Ion: 75 Resp: 3618

Ion Ratio Lower Upper

75 100

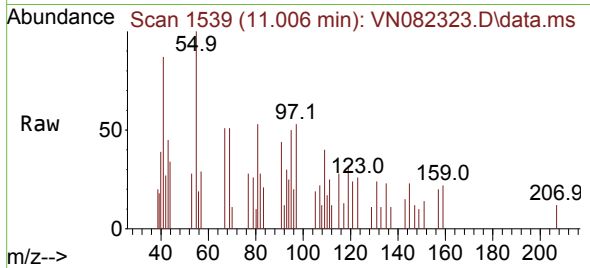
77 171.8 25.4 38.0#



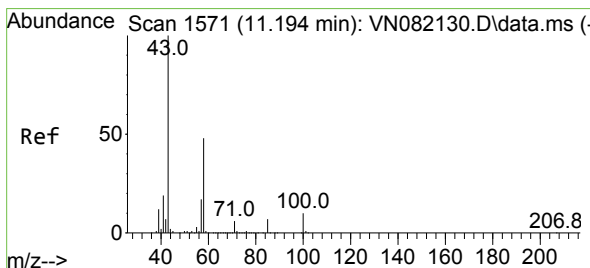
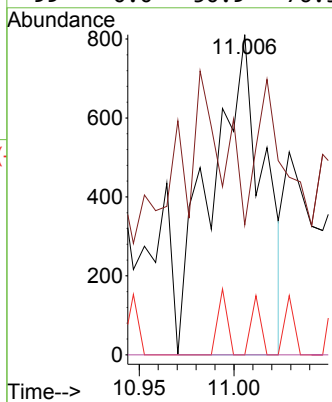
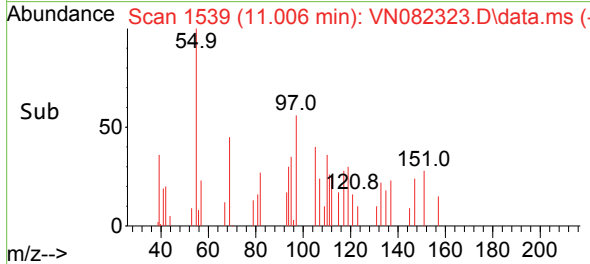


#55
1,1,2-Trichloroethane
Concen: 0.667 ug/l
RT: 11.006 min Scan# 1565
Delta R.T. -0.012 min
Lab File: VN082323.D
Acq: 23 May 2024 15:54

Instrument :
MSVOA_N
ClientSampleId :

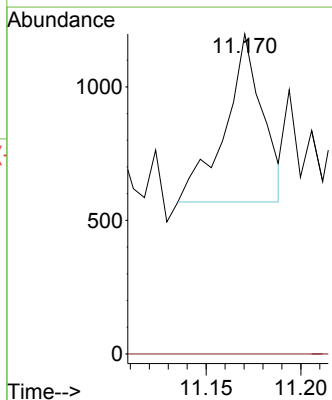
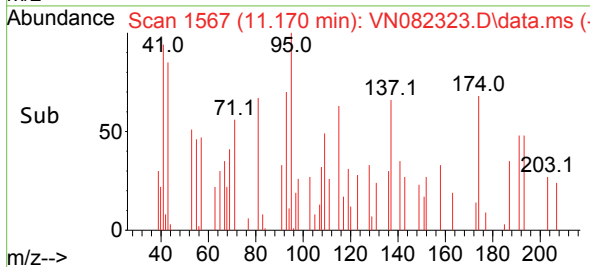
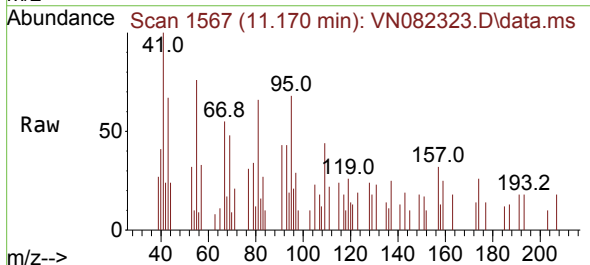


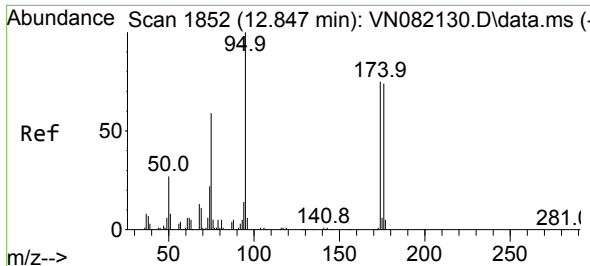
Tgt Ion:	97	Resp:	1565
Ion	Ratio	Lower	Upper
97	100		
83	0.0	70.4	105.6#
85	0.0	45.6	68.4#
99	0.0	50.9	76.3#



#59
2-Hexanone
Concen: 0.290 ug/l
RT: 11.170 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN082323.D
Acq: 23 May 2024 15:54

Tgt Ion:	43	Resp:	864
Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.3	84.9#

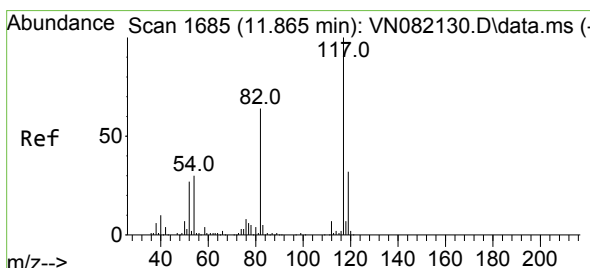
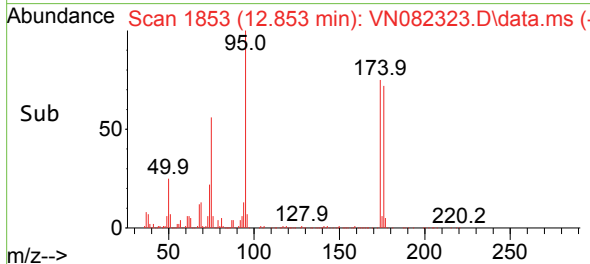
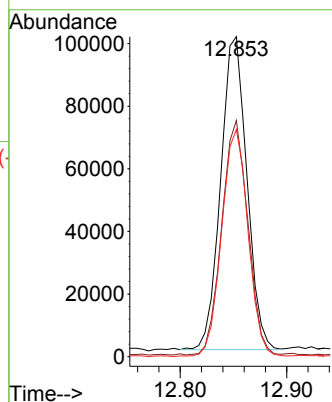
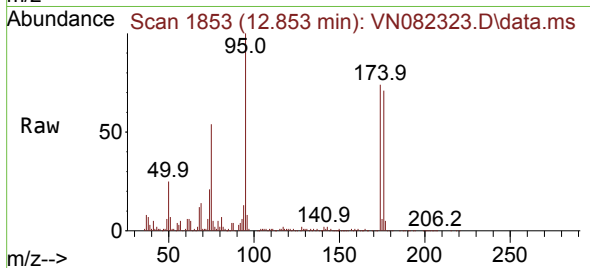




#62
4-Bromofluorobenzene
Concen: 58.011 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082323.D
Acq: 23 May 2024 15:54

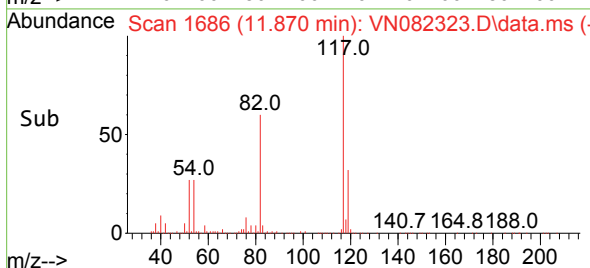
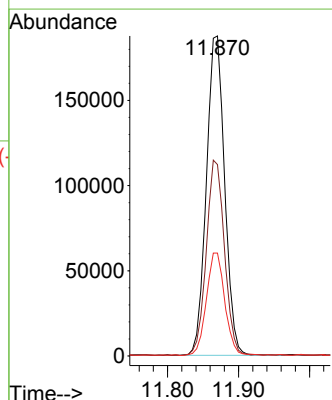
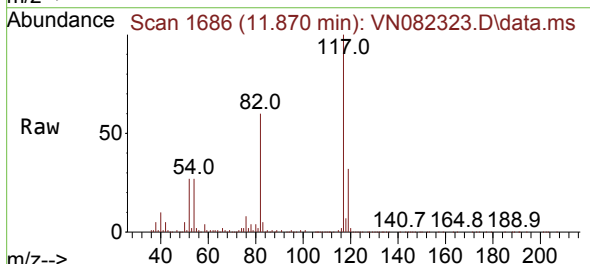
Instrument :
MSVOA_N
ClientSampleId :

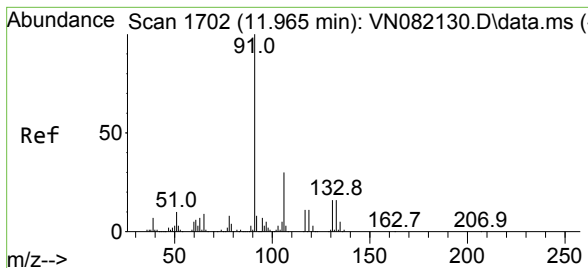
Tgt Ion: 95 Resp: 170663
Ion Ratio Lower Upper
95 100
174 74.5 0.0 160.6
176 73.1 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082323.D
Acq: 23 May 2024 15:54

Tgt Ion: 117 Resp: 335691
Ion Ratio Lower Upper
117 100
82 59.7 44.6 66.8
119 32.1 25.9 38.9





#67

Ethyl Benzene

Concen: 0.468 ug/l

RT: 11.964 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VN082323.D

Acq: 23 May 2024 15:54

Instrument :

MSVOA_N

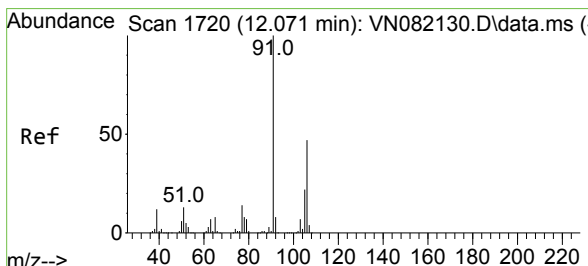
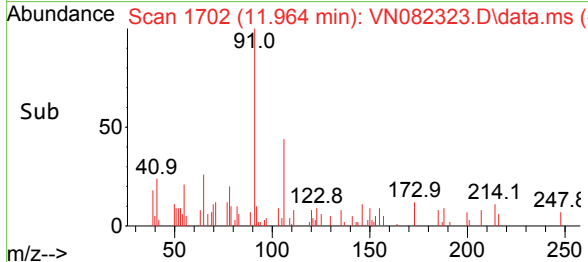
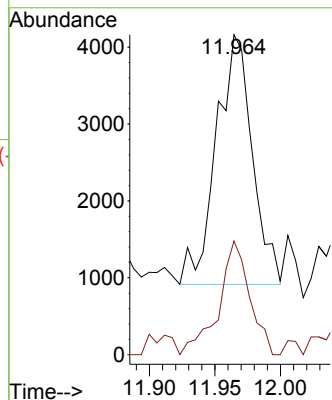
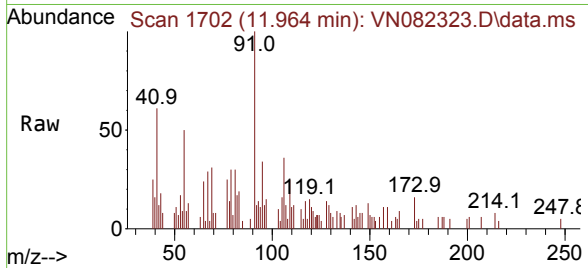
ClientSampleId :

Tgt Ion: 91 Resp: 6213

Ion Ratio Lower Upper

91 100

106 45.5 25.3 37.9#



#68

m/p-Xylenes

Concen: 1.722 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN082323.D

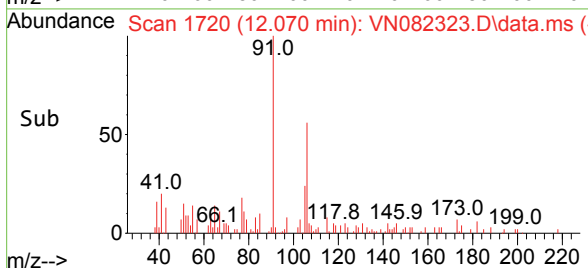
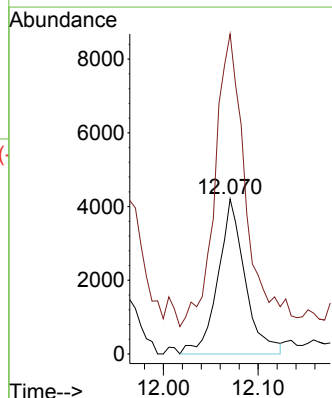
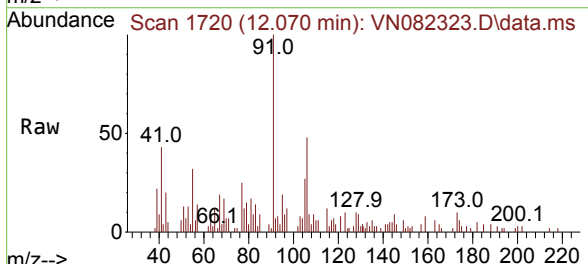
Acq: 23 May 2024 15:54

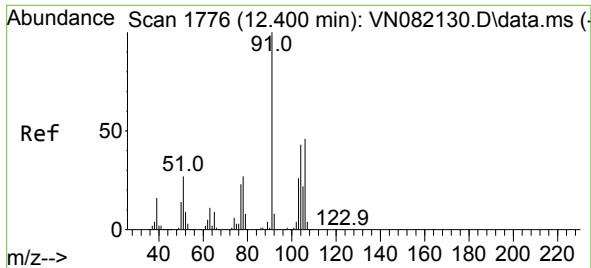
Tgt Ion:106 Resp: 8374

Ion Ratio Lower Upper

106 100

91 213.9 159.4 239.0

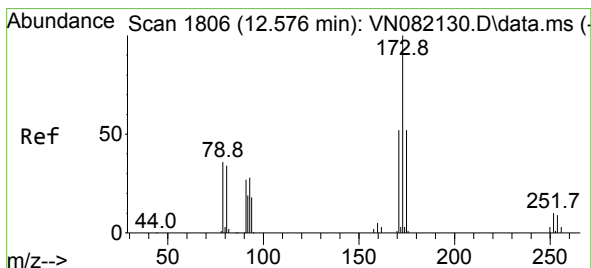
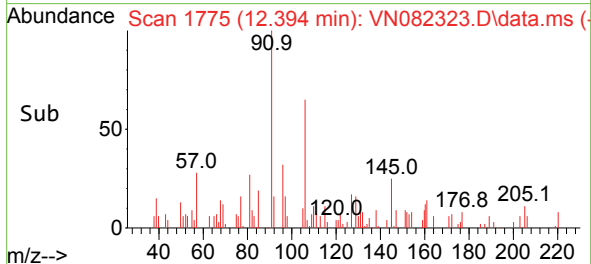
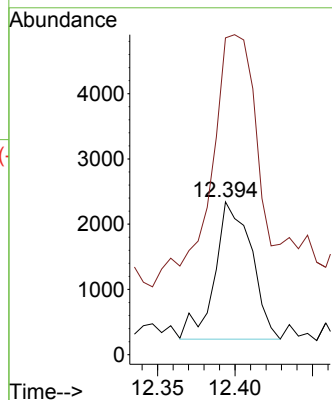
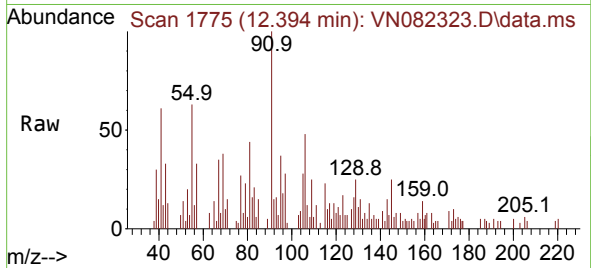




#69
o-Xylene
Concen: 0.734 ug/l
RT: 12.394 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN082323.D
Acq: 23 May 2024 15:54

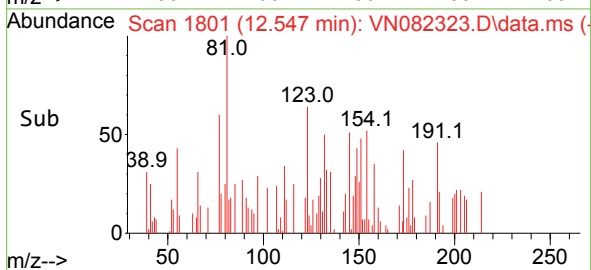
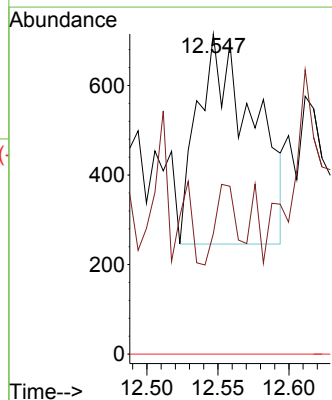
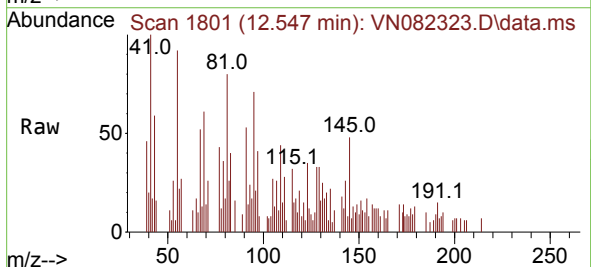
Instrument :
MSVOA_N
ClientSampleId :

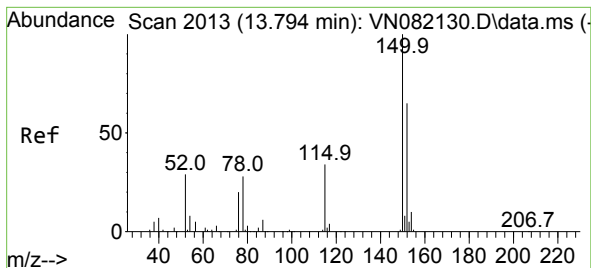
Tgt Ion:106 Resp: 3458
Ion Ratio Lower Upper
106 100
91 234.0 104.7 314.1



#71
Bromoform
Concen: 1.346 ug/l
RT: 12.547 min Scan# 1801
Delta R.T. -0.029 min
Lab File: VN082323.D
Acq: 23 May 2024 15:54

Tgt Ion:173 Resp: 1271
Ion Ratio Lower Upper
173 100
175 14.7 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# 20

Delta R.T. -0.000 min

Lab File: VN082323.D

Acq: 23 May 2024 15:54

Instrument :

MSVOA_N

ClientSampleId :

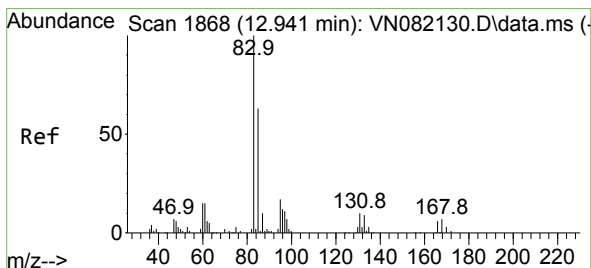
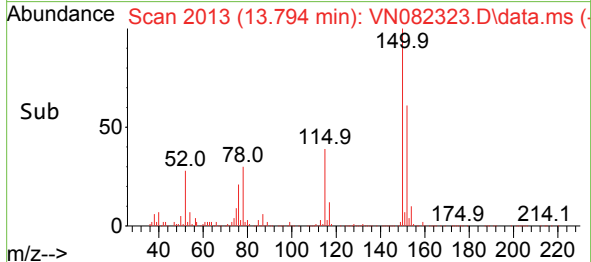
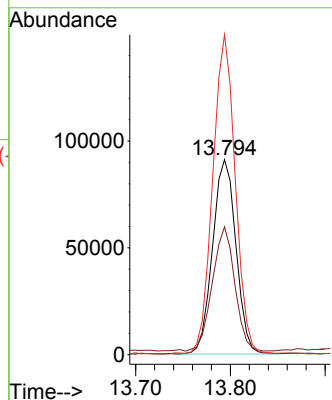
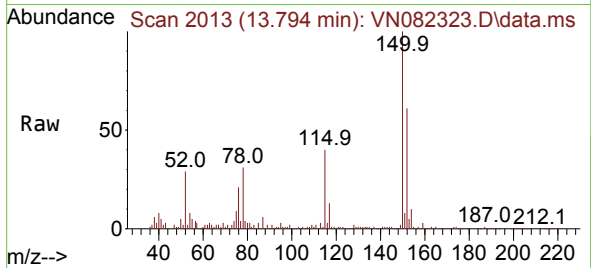
Tgt Ion:152 Resp: 156229

Ion Ratio Lower Upper

152 100

115 61.0 30.4 91.3

150 158.6 0.0 353.2



#75

1,1,2,2-Tetrachloroethane

Concen: 0.229 ug/l

RT: 12.964 min Scan# 1872

Delta R.T. 0.023 min

Lab File: VN082323.D

Acq: 23 May 2024 15:54

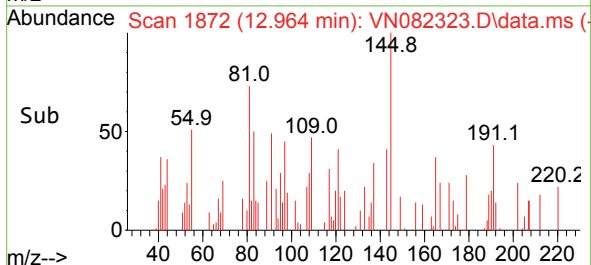
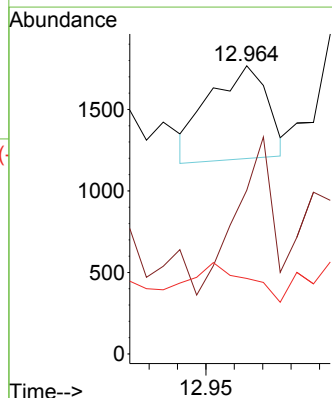
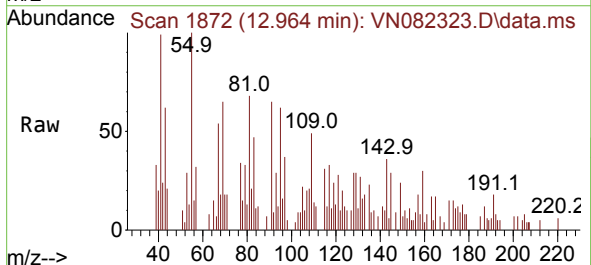
Tgt Ion: 83 Resp: 820

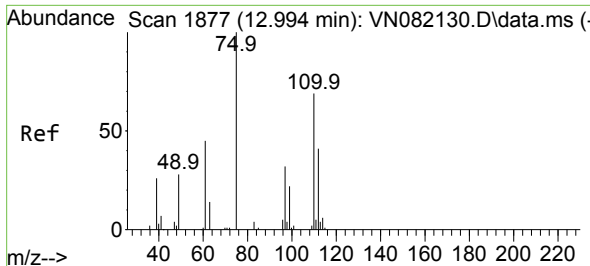
Ion Ratio Lower Upper

83 100

131 101.7 5.5 16.4#

85 45.5 32.9 98.6

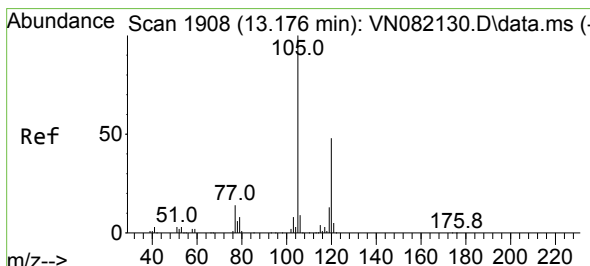
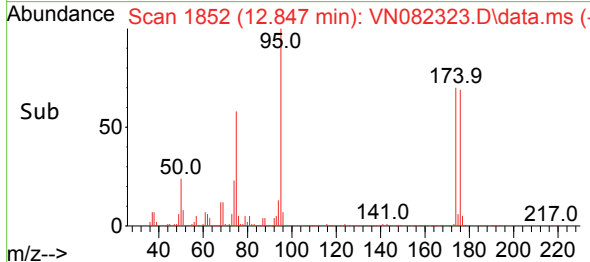
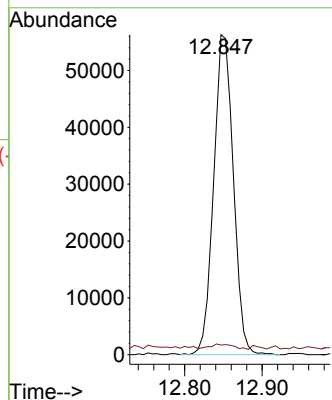
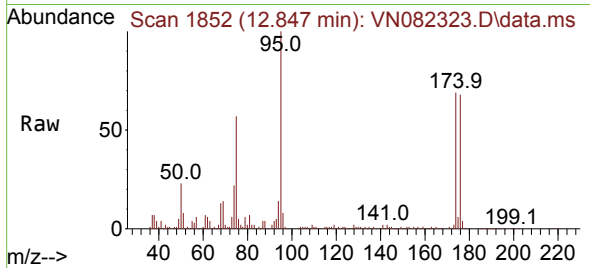




#76
1,2,3-Trichloropropane
Concen: 30.177 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082323.D
Acq: 23 May 2024 15:54

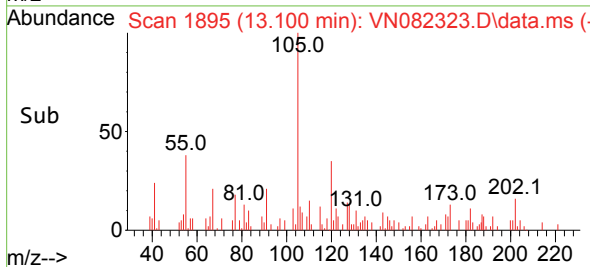
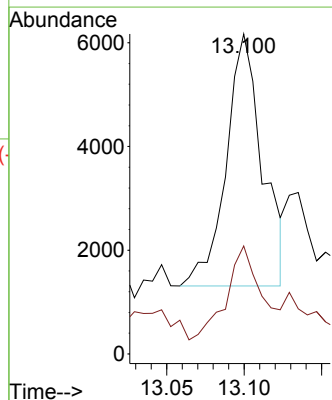
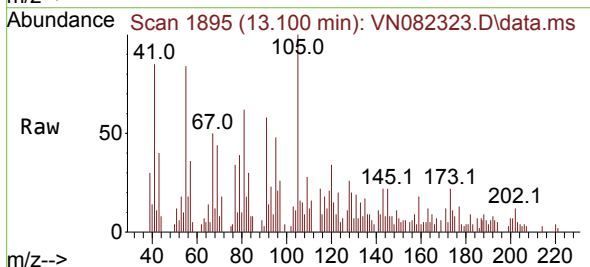
Instrument :
MSVOA_N
ClientSampleId :

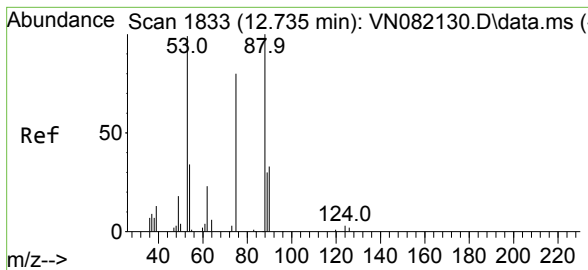
Tgt Ion: 75 Resp: 99231
Ion Ratio Lower Upper
75 100
77 2.0 90.5 271.3#



#80
1,3,5-Trimethylbenzene
Concen: 0.788 ug/l
RT: 13.100 min Scan# 1895
Delta R.T. -0.077 min
Lab File: VN082323.D
Acq: 23 May 2024 15:54

Tgt Ion:105 Resp: 7907
Ion Ratio Lower Upper
105 100
120 36.2 24.8 74.3

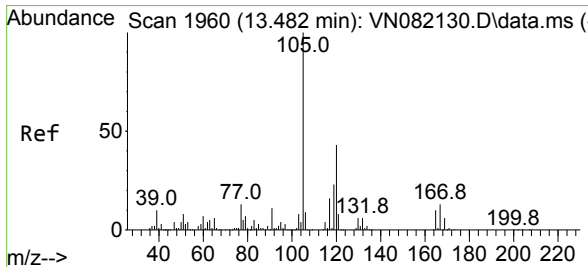
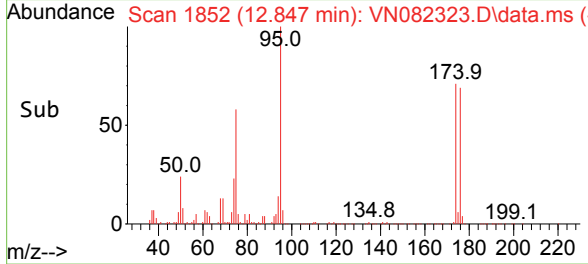
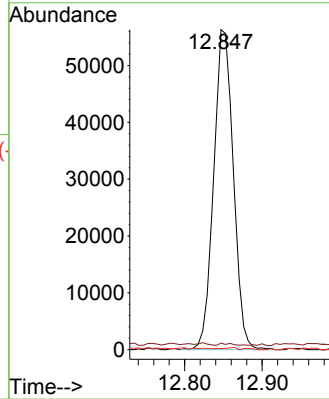
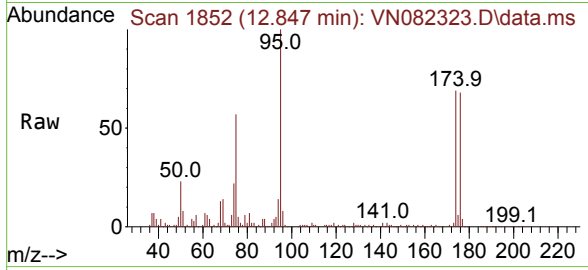




#81
trans-1,4-Dichloro-2-butene
Concen: 70.584 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN082323.D
Acq: 23 May 2024 15:54

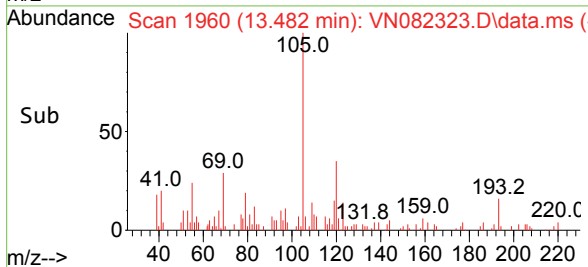
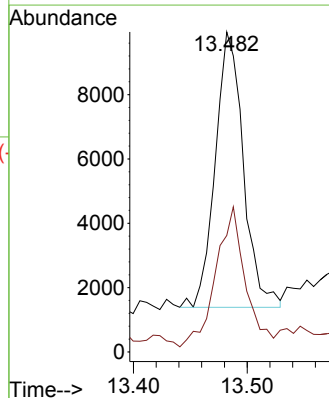
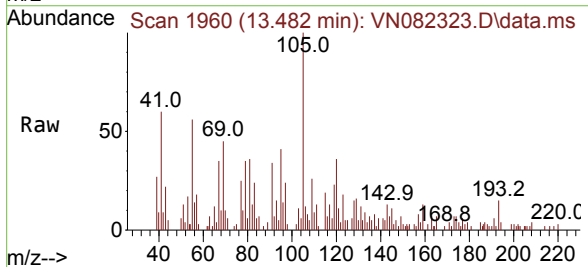
Instrument :
MSVOA_N
ClientSampleId :

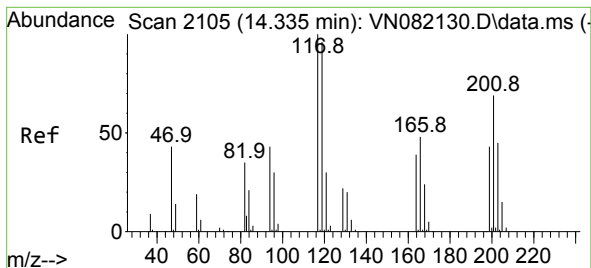
Tgt Ion: 75 Resp: 99231
Ion Ratio Lower Upper
75 100
53 0.4 72.9 109.3#
89 0.3 39.1 58.7#



#84
1,2,4-Trimethylbenzene
Concen: 1.432 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN082323.D
Acq: 23 May 2024 15:54

Tgt Ion: 105 Resp: 14706
Ion Ratio Lower Upper
105 100
120 53.1 22.9 68.7





#90

Hexachloroethane

Concen: 0.267 ug/l

RT: 14.141 min Scan# 2072

Delta R.T. -0.194 min

Lab File: VN082323.D

Acq: 23 May 2024 15:54

Instrument :

MSVOA_N

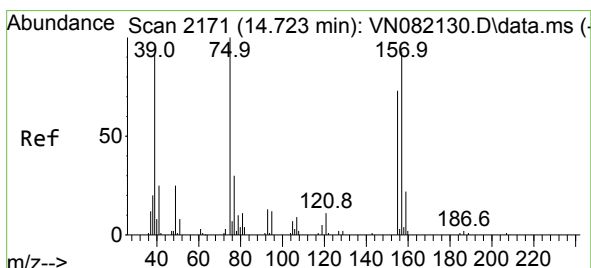
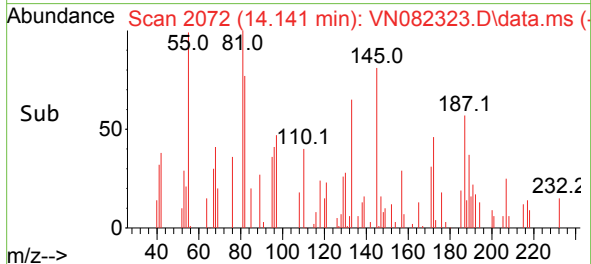
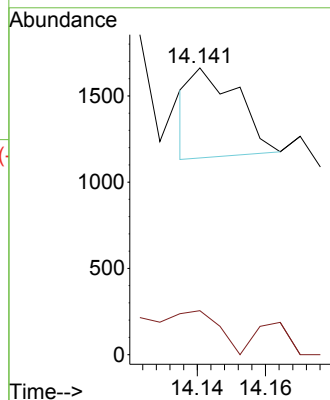
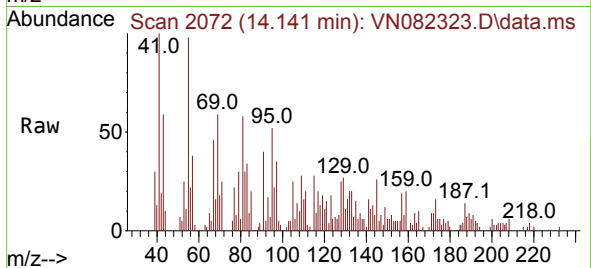
ClientSampleId :

Tgt Ion:117 Resp: 489

Ion Ratio Lower Upper

117 100

201 47.2 33.3 99.8



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.580 ug/l

RT: 14.770 min Scan# 2179

Delta R.T. 0.047 min

Lab File: VN082323.D

Acq: 23 May 2024 15:54

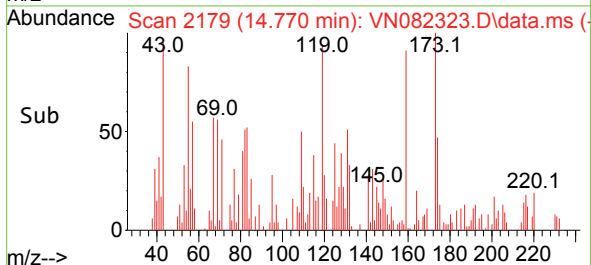
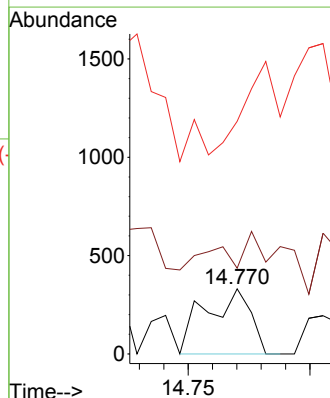
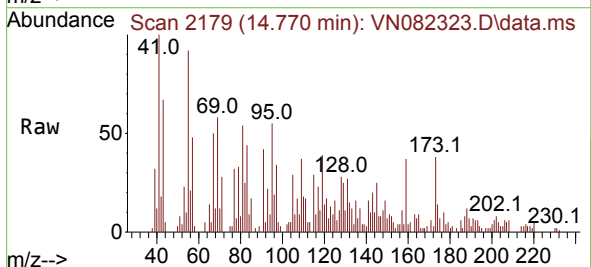
Tgt Ion: 75 Resp: 426

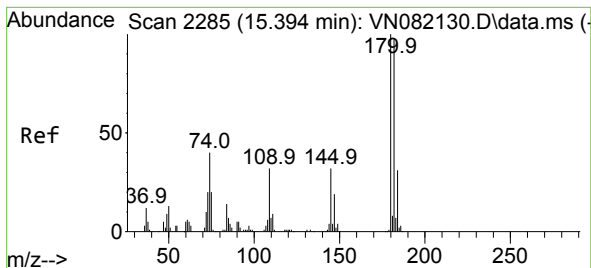
Ion Ratio Lower Upper

75 100

155 78.9 42.6 128.0

157 102.6 53.0 159.0





#93

1,2,4-Trichlorobenzene

Concen: 0.271 ug/l

RT: 15.370 min Scan# 2281

Delta R.T. -0.024 min

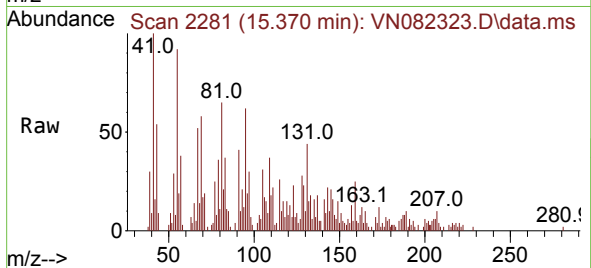
Lab File: VN082323.D

Acq: 23 May 2024 15:54

Instrument :

MSVOA_N

ClientSampleId :



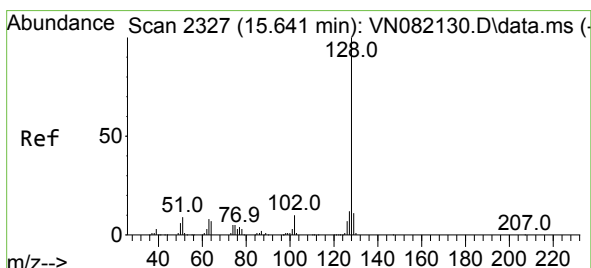
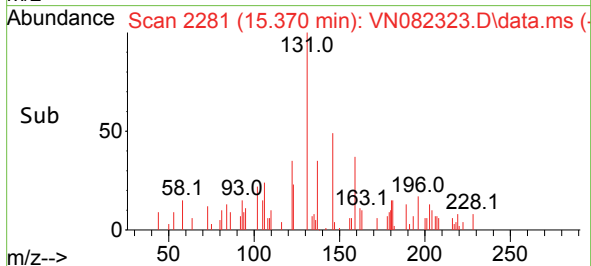
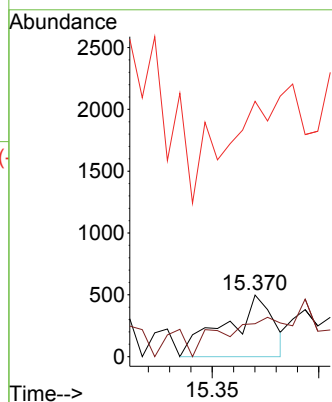
Tgt Ion:180 Resp: 770

Ion Ratio Lower Upper

180 100

182 0.0 46.7 140.0#

145 0.0 16.2 48.6#



#95

Naphthalene

Concen: 2.028 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN082323.D

Acq: 23 May 2024 15:54

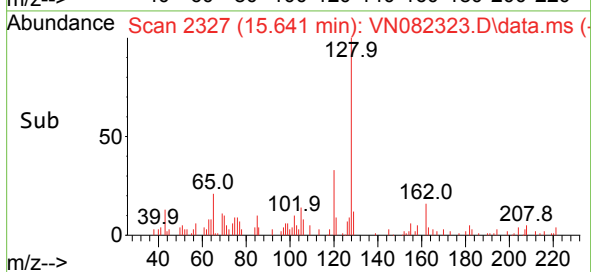
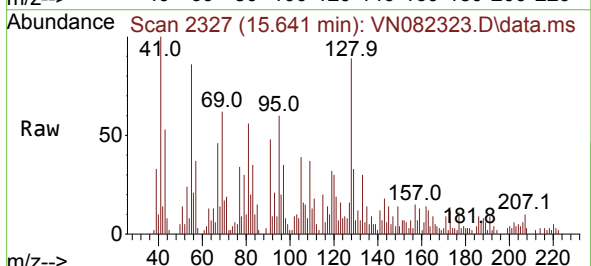
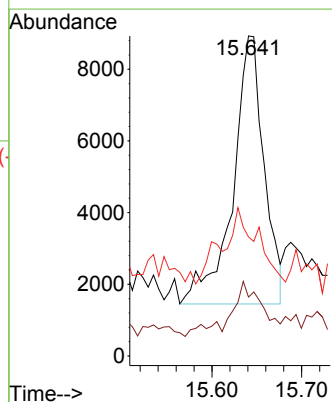
Tgt Ion:128 Resp: 18069

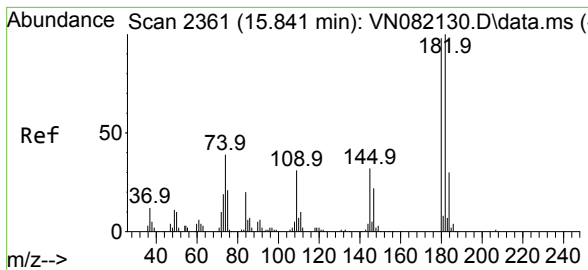
Ion Ratio Lower Upper

128 100

127 21.3 10.1 15.1#

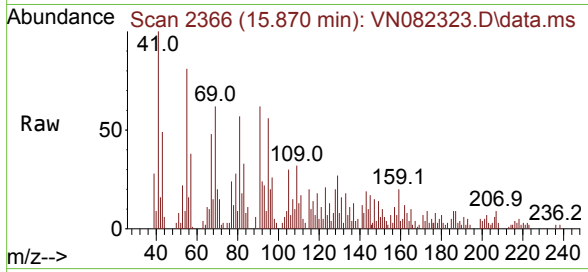
129 22.9 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.506 ug/l
 RT: 15.870 min Scan# 21
 Delta R.T. 0.029 min
 Lab File: VN082323.D
 Acq: 23 May 2024 15:54

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1439
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.0 137.8#
 145 0.0 17.1 51.3#

