

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052324\
 Data File : VN082314.D
 Acq On : 23 May 2024 12:16
 Operator : JC\MD
 Sample : P2554-01 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 24 04:16:08 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	8.230	168	152937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	274376	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	251900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104305	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	127923	52.972	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.940%
35) Dibromofluoromethane	8.165	113	89650	53.115	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.240%
50) Toluene-d8	10.571	98	347530	53.706	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	107.420%
62) 4-Bromofluorobenzene	12.853	95	115470	49.994	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	99.980%

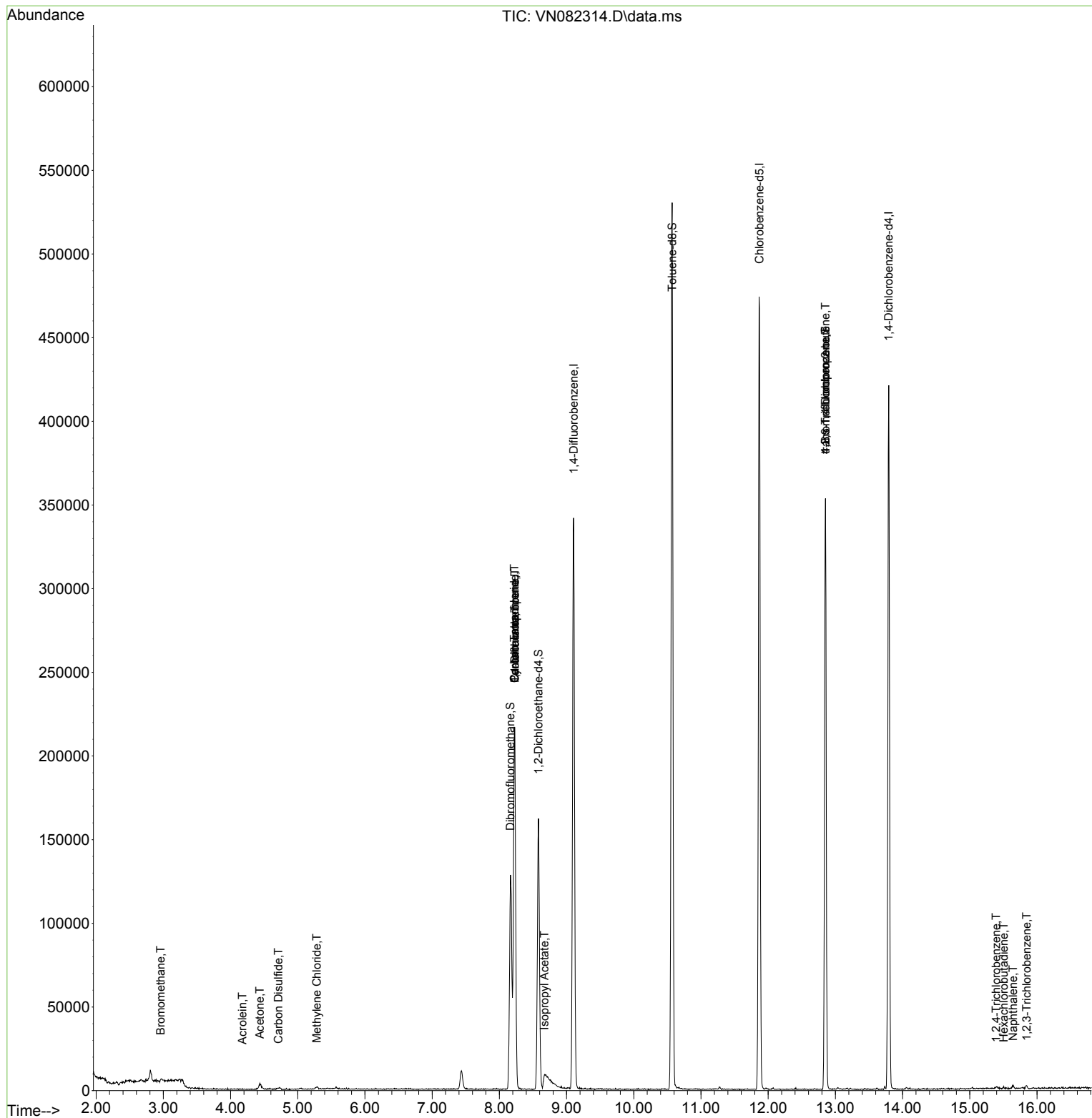
Target Compounds					Qvalue	
5) Bromomethane	2.959	94	452	0.335	ug/l #	67
13) Acrolein	4.177	56	66	0.230	ug/l	83
16) Acetone	4.436	43	6424	6.485	ug/l	94
17) Carbon Disulfide	4.712	76	1446	0.268	ug/l #	74
20) Methylene Chloride	5.283	84	836	0.418	ug/l #	56
31) Cyclohexane	8.230	56	4512	1.170	ug/l #	10
36) 1,1-Dichloropropene	8.230	75	14554	5.141	ug/l #	48
38) Carbon Tetrachloride	8.224	117	16010	5.579	ug/l #	16
43) Isopropyl Acetate	8.671	43	23126	4.120	ug/l #	52
76) 1,2,3-Trichloropropane	12.853	75	67607	30.795	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	67607	72.029	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.394	180	625	0.329	ug/l	72
94) Hexachlorobutadiene	15.506	225	231	0.277	ug/l #	73
95) Naphthalene	15.647	128	2182	0.367	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.847	180	740	0.389	ug/l #	21

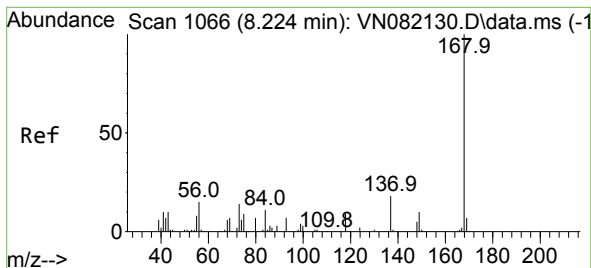
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082314.D

Acq: 23 May 2024 12:16

Instrument :

MSVOA_N

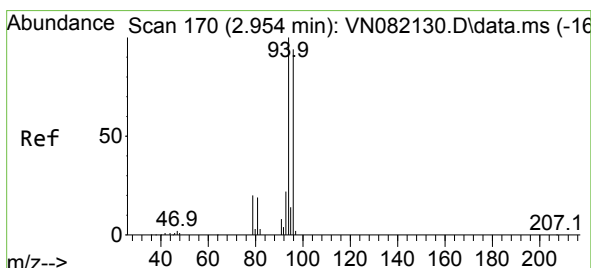
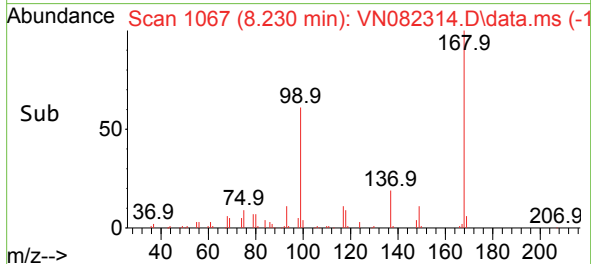
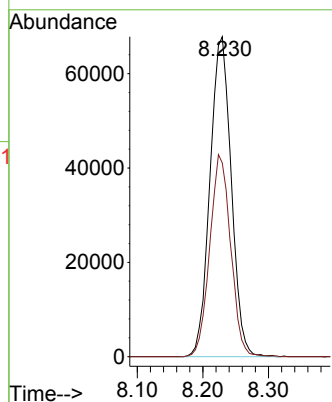
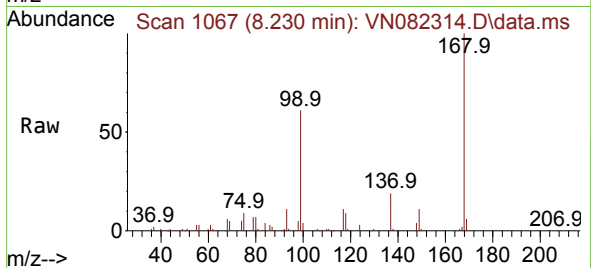
ClientSampleId :

Tgt Ion:168 Resp: 152937

Ion Ratio Lower Upper

168 100

99 60.6 48.2 72.4



#5

Bromomethane

Concen: 0.335 ug/l

RT: 2.959 min Scan# 171

Delta R.T. 0.006 min

Lab File: VN082314.D

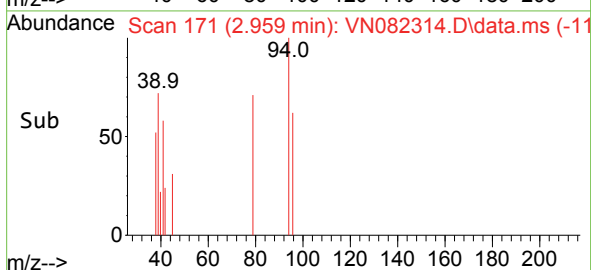
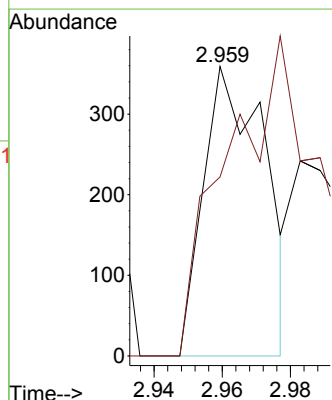
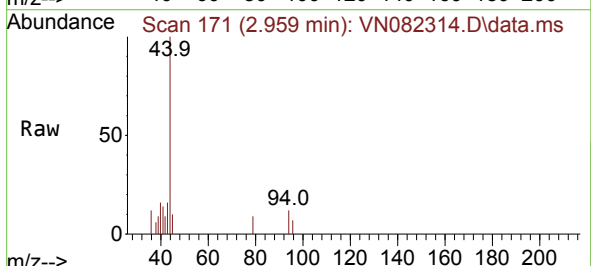
Acq: 23 May 2024 12:16

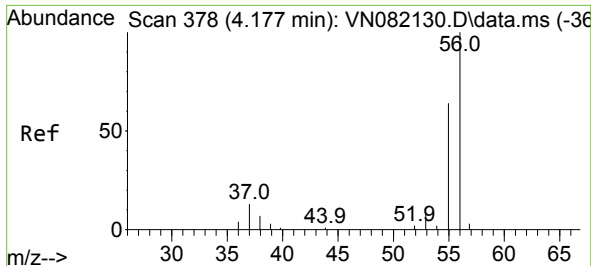
Tgt Ion: 94 Resp: 452

Ion Ratio Lower Upper

94 100

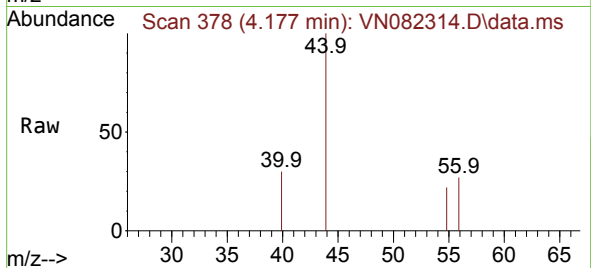
96 61.8 74.8 112.2#



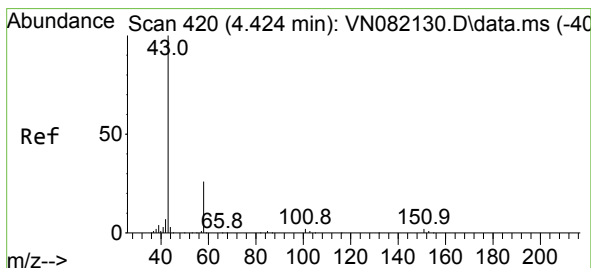
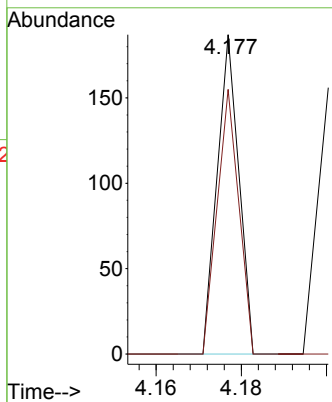
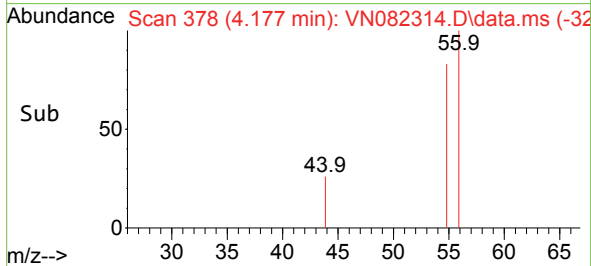


#13
Acrolein
Concen: 0.230 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN082314.D
Acq: 23 May 2024 12:16

Instrument :
MSVOA_N
ClientSampleId :

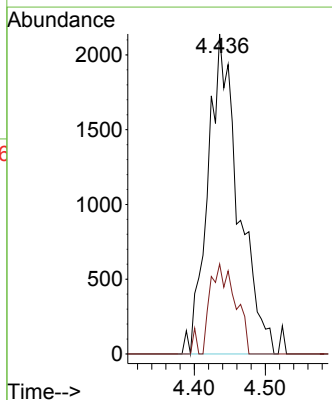
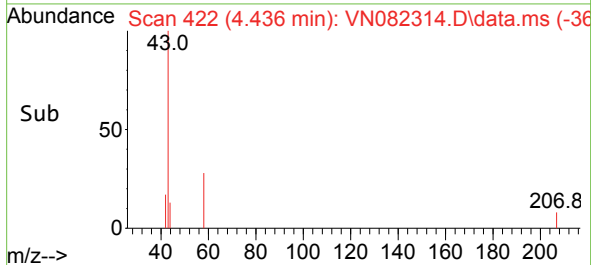
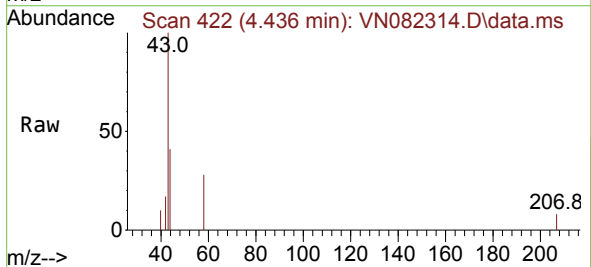


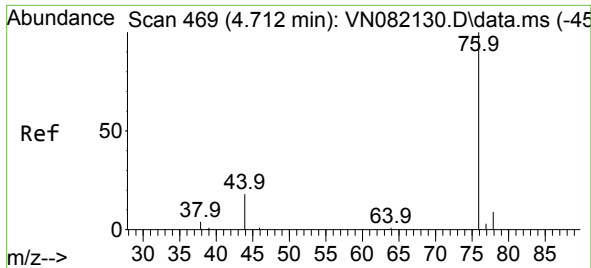
Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
55 83.3 55.8 83.8



#16
Acetone
Concen: 6.485 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082314.D
Acq: 23 May 2024 12:16

Tgt Ion: 43 Resp: 6424
Ion Ratio Lower Upper
43 100
58 28.1 25.2 37.8

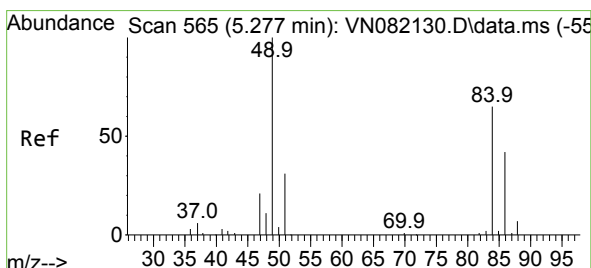
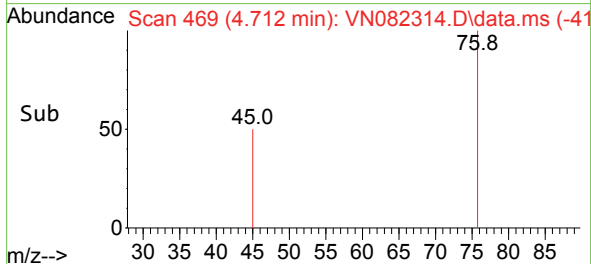
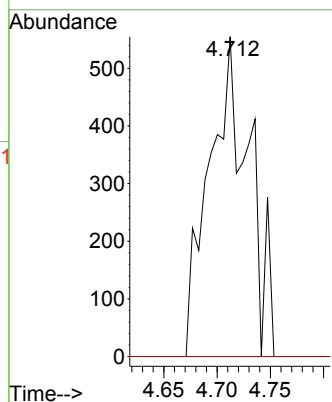
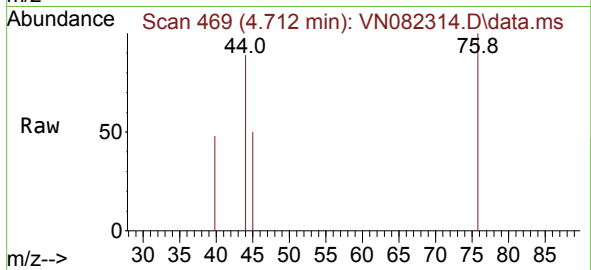




#17
Carbon Disulfide
Concen: 0.268 ug/l
RT: 4.712 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN082314.D
Acq: 23 May 2024 12:16

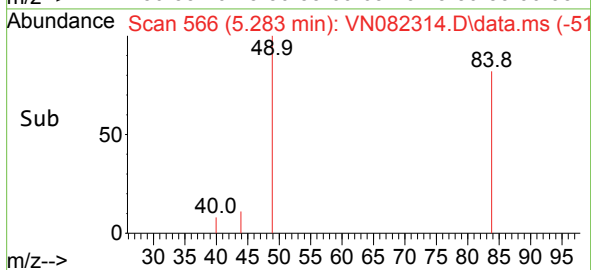
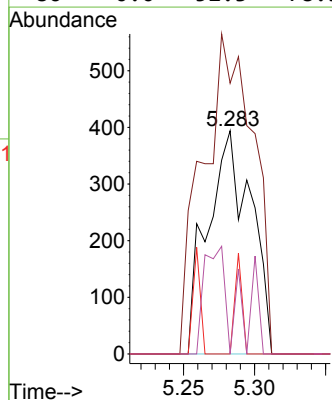
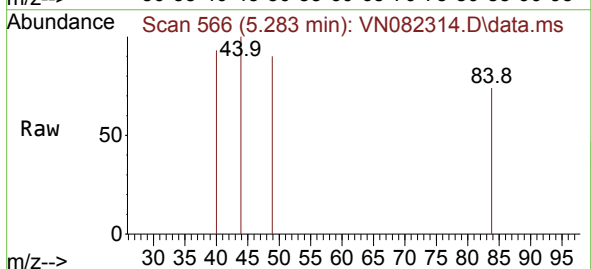
Instrument :
MSVOA_N
ClientSampleId :

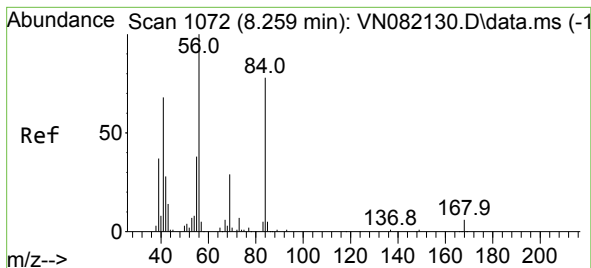
Tgt Ion: 76 Resp: 1446
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: 0.418 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN082314.D
Acq: 23 May 2024 12:16

Tgt Ion: 84 Resp: 836
Ion Ratio Lower Upper
84 100
49 121.3 84.9 127.3
51 0.0 27.0 40.6#
86 0.0 52.3 78.5#





#31

Cyclohexane

Concen: 1.170 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.029 min

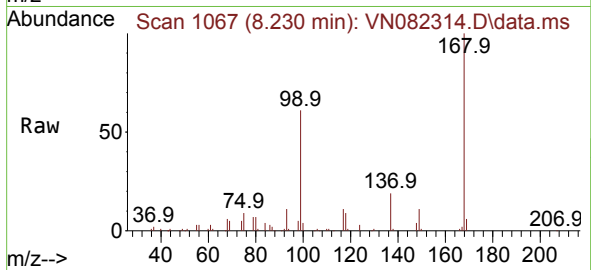
Lab File: VN082314.D

Acq: 23 May 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :



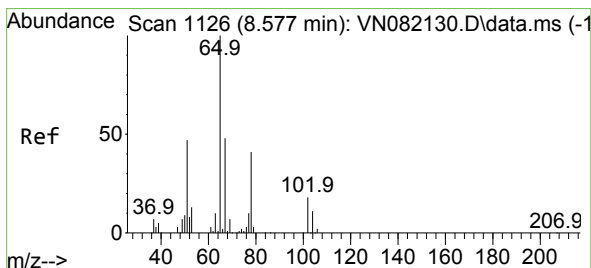
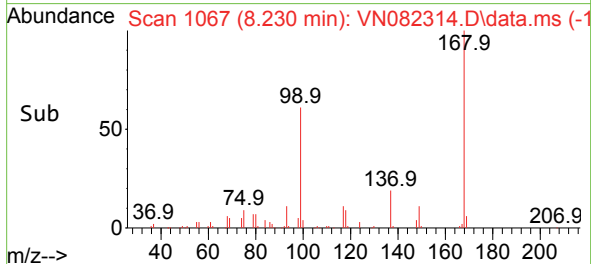
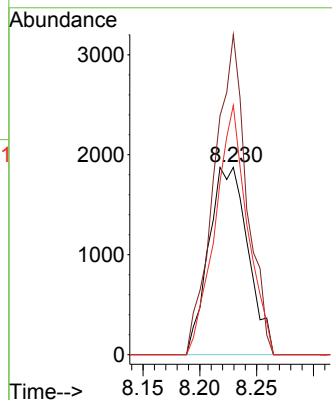
Tgt Ion: 56 Resp: 4512

Ion Ratio Lower Upper

56 100

69 170.7 24.4 36.6#

84 133.0 77.0 115.4#



#33

1,2-Dichloroethane-d4

Concen: 52.972 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082314.D

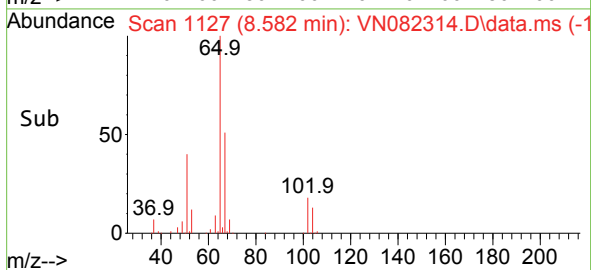
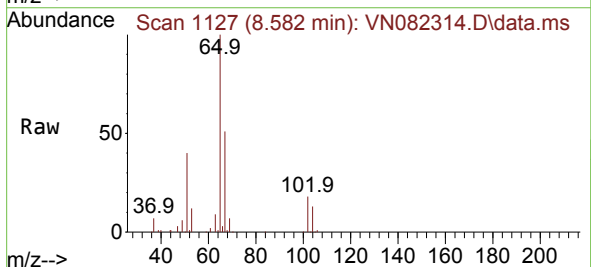
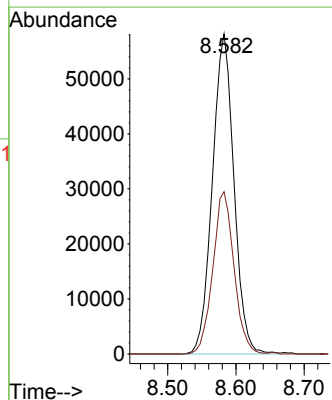
Acq: 23 May 2024 12:16

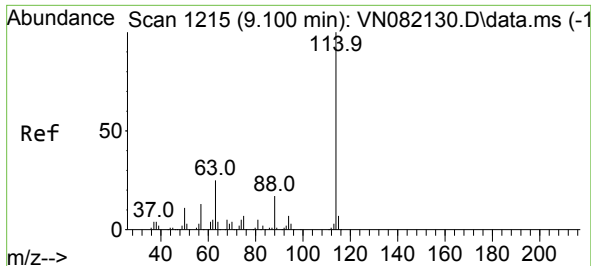
Tgt Ion: 65 Resp: 127923

Ion Ratio Lower Upper

65 100

67 49.9 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 114

Delta R.T. 0.006 min

Lab File: VN082314.D

Acq: 23 May 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

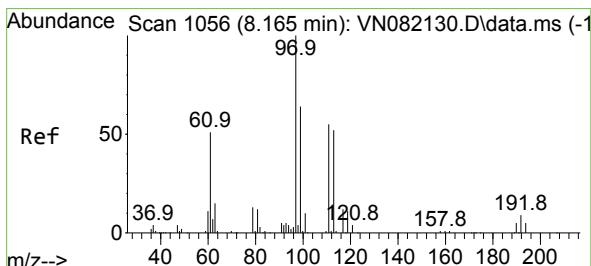
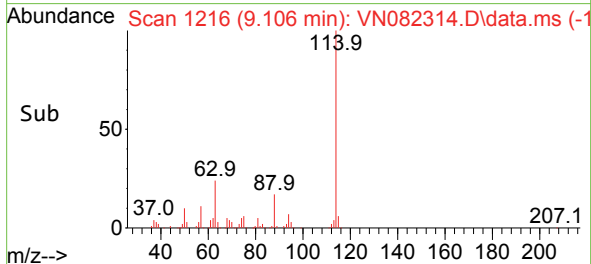
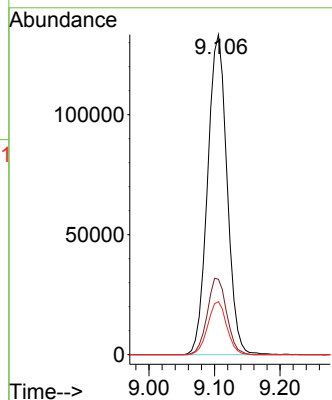
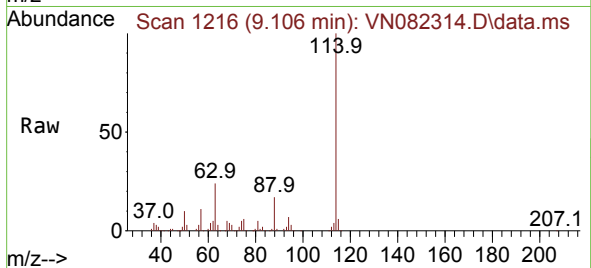
Tgt Ion:114 Resp: 274376

Ion Ratio Lower Upper

114 100

63 23.6 0.0 41.0

88 16.6 0.0 31.4



#35

Dibromofluoromethane

Concen: 53.115 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN082314.D

Acq: 23 May 2024 12:16

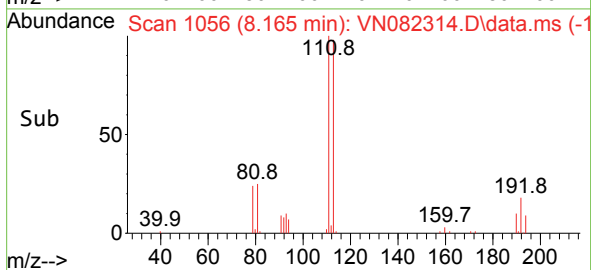
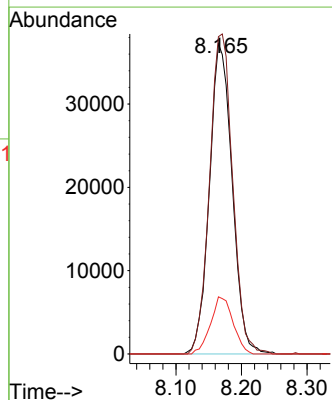
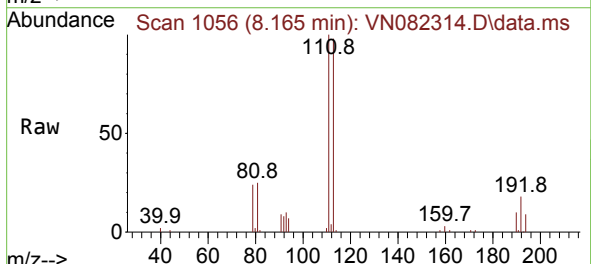
Tgt Ion:113 Resp: 89650

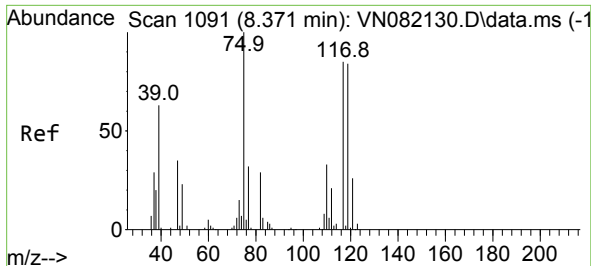
Ion Ratio Lower Upper

113 100

111 104.7 83.4 125.2

192 18.2 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.141 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

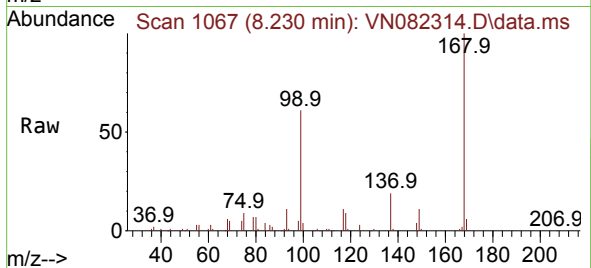
Lab File: VN082314.D

Acq: 23 May 2024 12:16

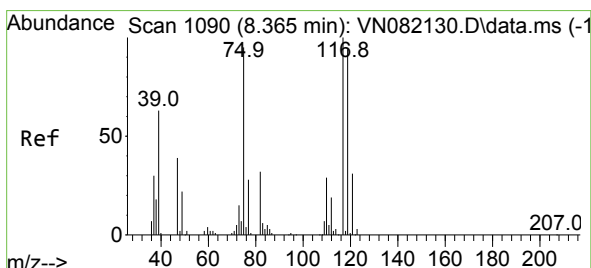
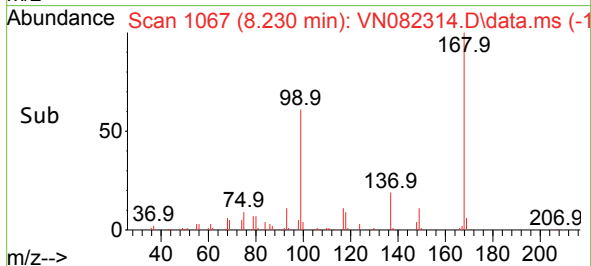
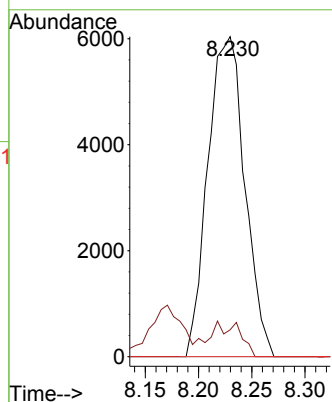
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	14554
Ion	Ratio	Lower	Upper
75	100		
110	7.8	17.8	53.5#
77	0.0	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 5.579 ug/l

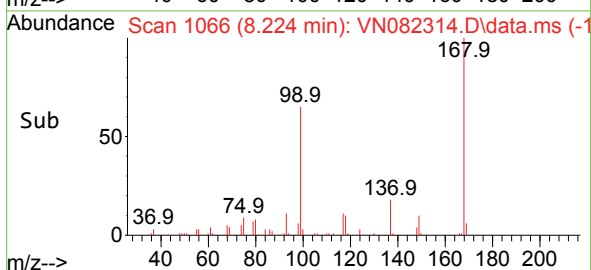
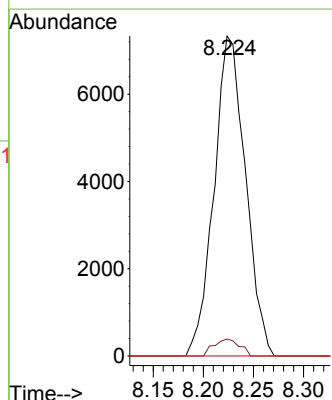
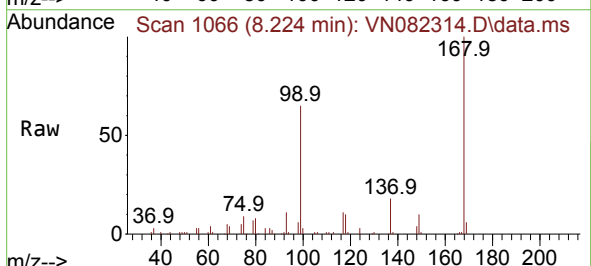
RT: 8.224 min Scan# 1066

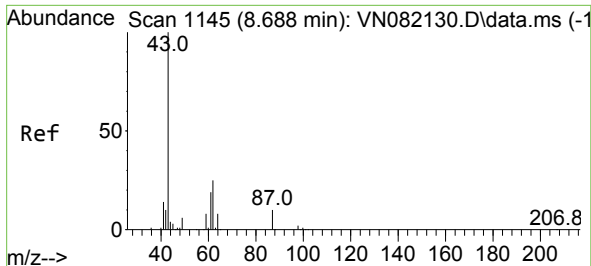
Delta R.T. -0.141 min

Lab File: VN082314.D

Acq: 23 May 2024 12:16

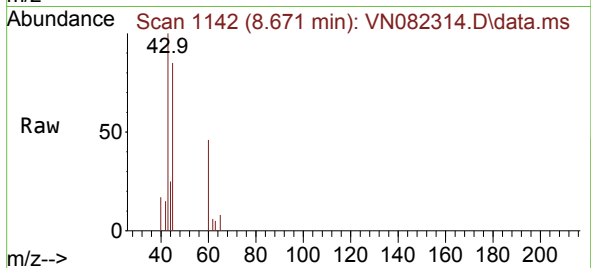
Tgt Ion:	117	Resp:	16010
Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.5	114.7#
121	0.0	23.9	35.9#



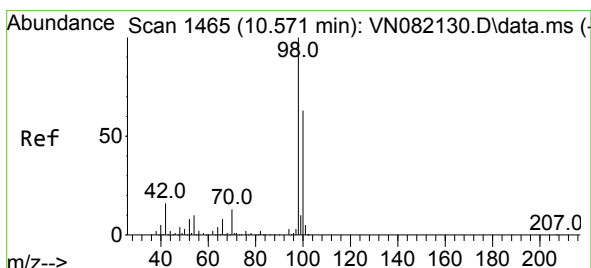
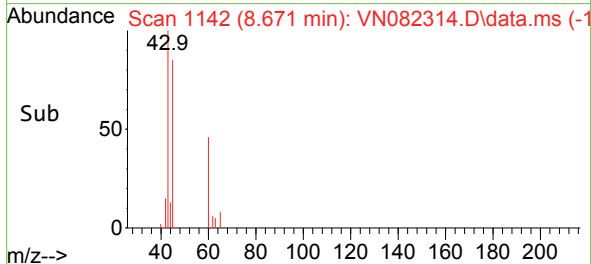
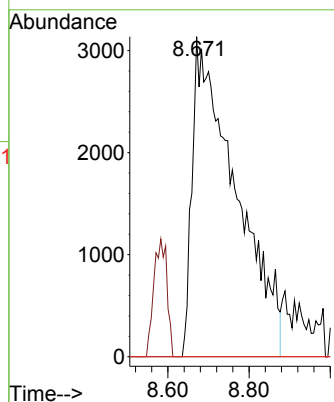


#43
Isopropyl Acetate
Concen: 4.120 ug/l
RT: 8.671 min Scan# 1145
Delta R.T. -0.018 min
Lab File: VN082314.D
Acq: 23 May 2024 12:16

Instrument :
MSVOA_N
ClientSampleId :

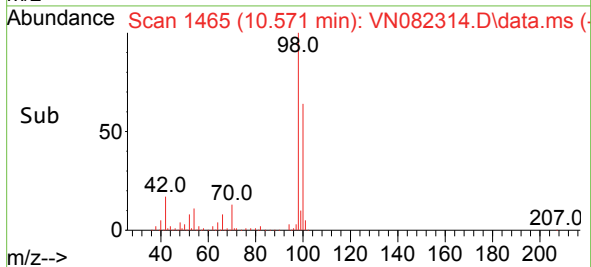
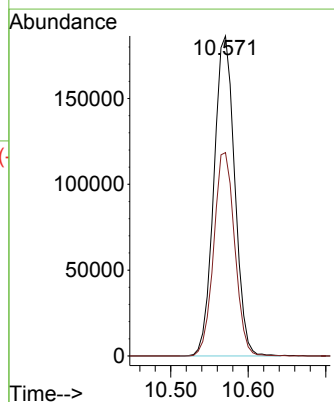
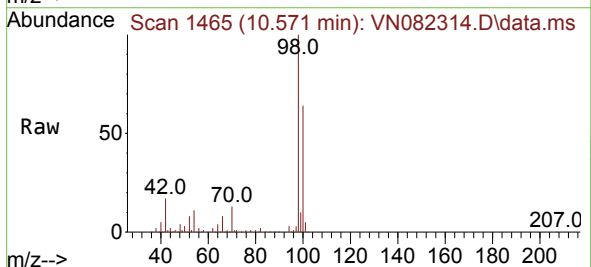


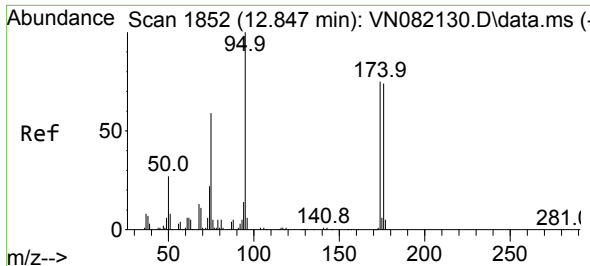
Tgt Ion: 43 Resp: 23126
Ion Ratio Lower Upper
43 100
61 0.0 22.8 34.2#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 53.706 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082314.D
Acq: 23 May 2024 12:16

Tgt Ion: 98 Resp: 347530
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.6

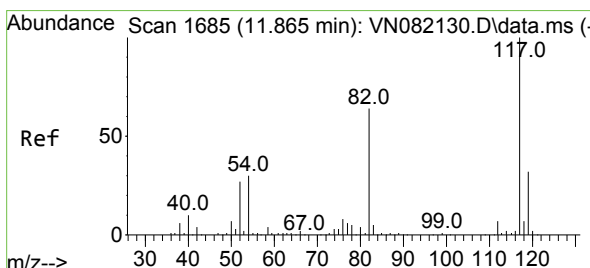
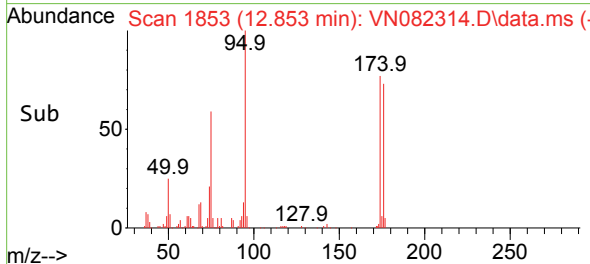
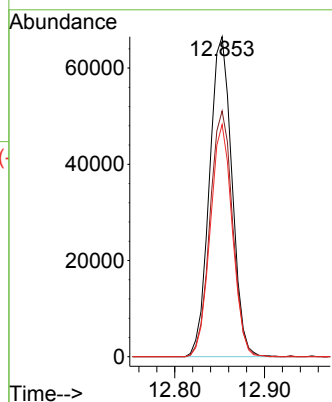
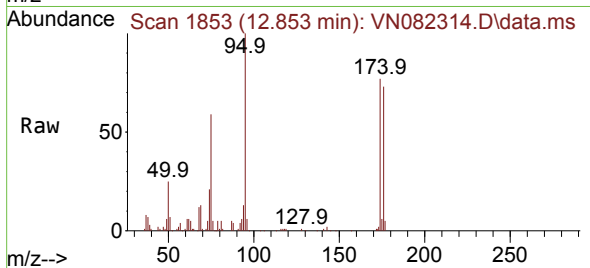




#62
4-Bromofluorobenzene
Concen: 49.994 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082314.D
Acq: 23 May 2024 12:16

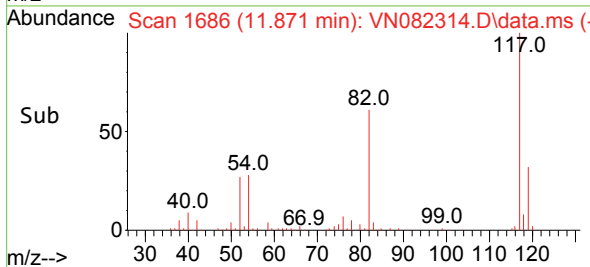
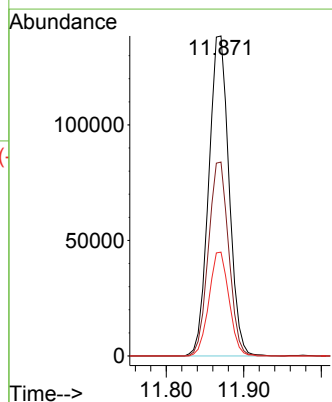
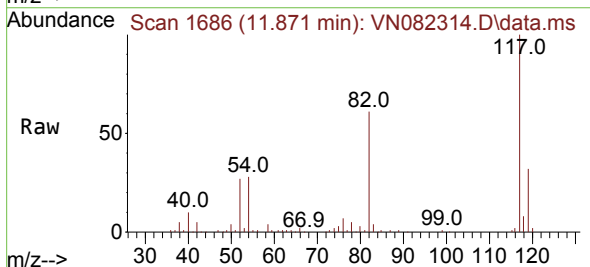
Instrument :
MSVOA_N
ClientSampleId :

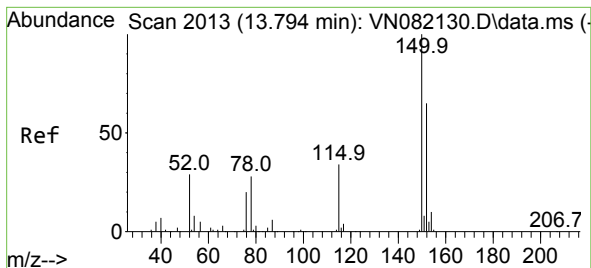
Tgt Ion: 95 Resp: 115470
Ion Ratio Lower Upper
95 100
174 77.5 0.0 160.6
176 71.5 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082314.D
Acq: 23 May 2024 12:16

Tgt Ion: 117 Resp: 251900
Ion Ratio Lower Upper
117 100
82 60.6 44.6 66.8
119 32.4 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN082314.D

Acq: 23 May 2024 12:16

Instrument :

MSVOA_N

ClientSampleId :

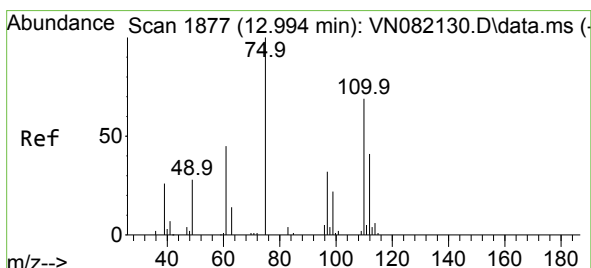
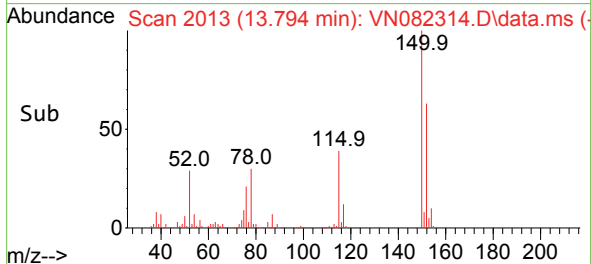
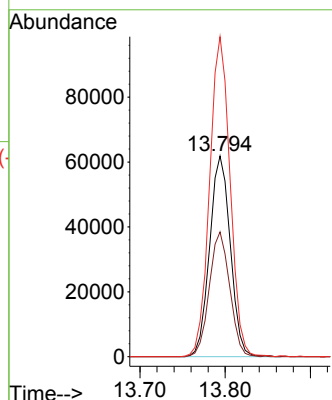
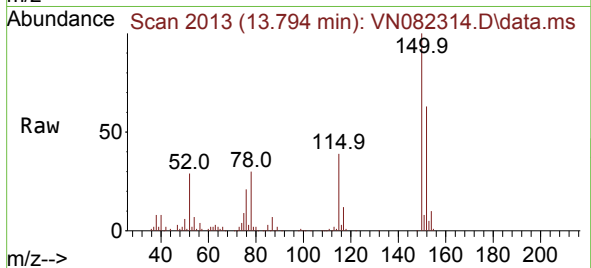
Tgt Ion:152 Resp: 104305

Ion Ratio Lower Upper

152 100

115 61.5 30.4 91.3

150 157.4 0.0 353.2



#76

1,2,3-Trichloropropane

Concen: 30.795 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082314.D

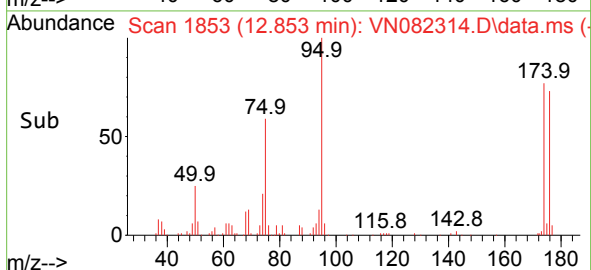
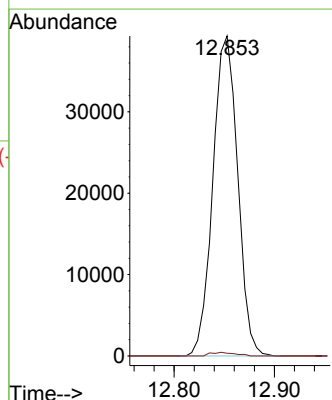
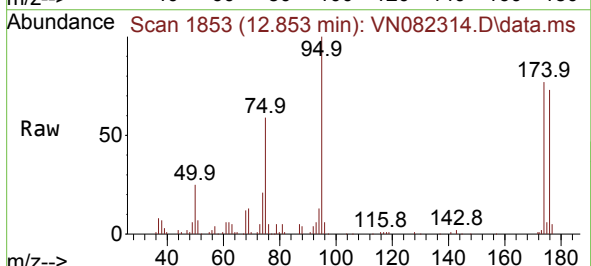
Acq: 23 May 2024 12:16

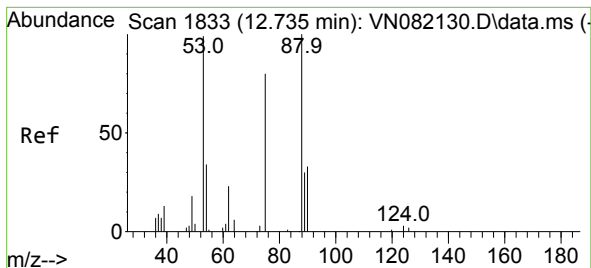
Tgt Ion: 75 Resp: 67607

Ion Ratio Lower Upper

75 100

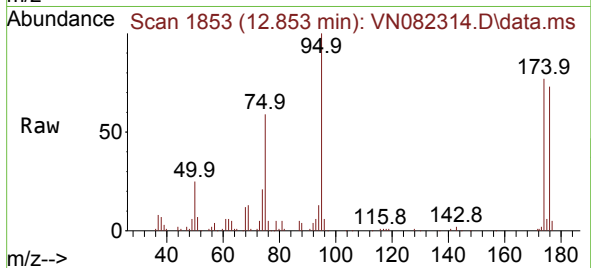
77 1.1 90.5 271.3#



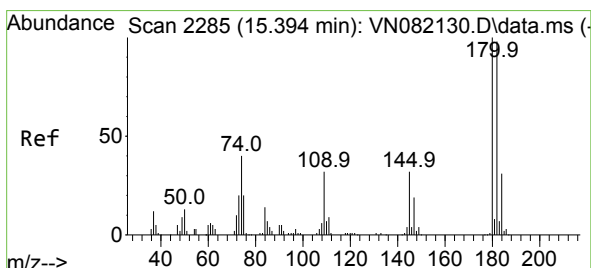
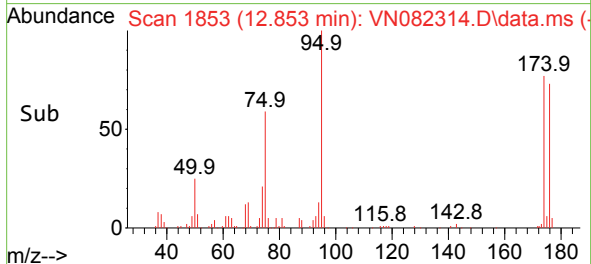
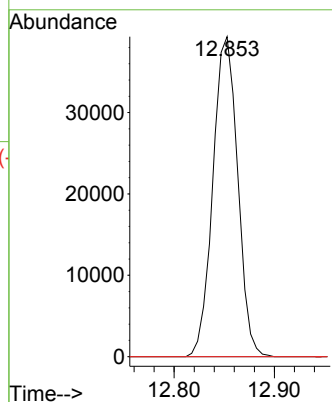


#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.029 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.118 min
 Lab File: VN082314.D
 Acq: 23 May 2024 12:16

Instrument :
 MSVOA_N
 ClientSampleId :

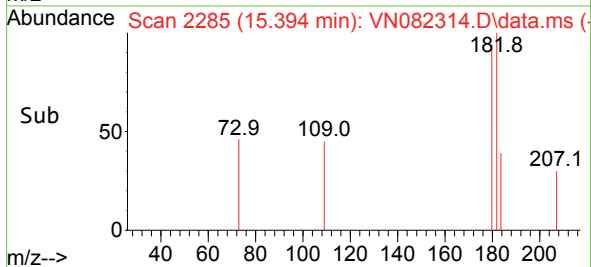
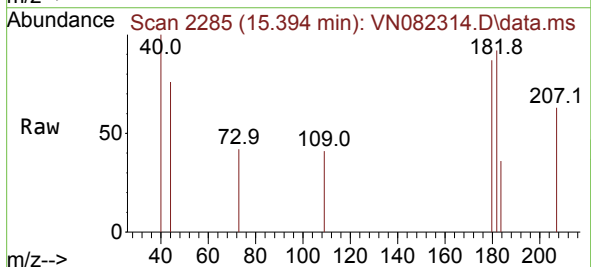
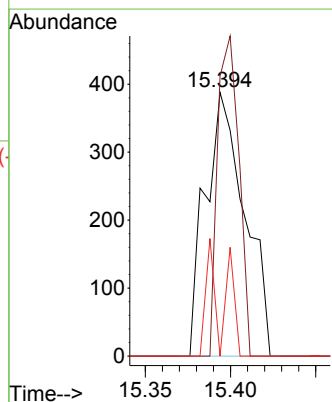


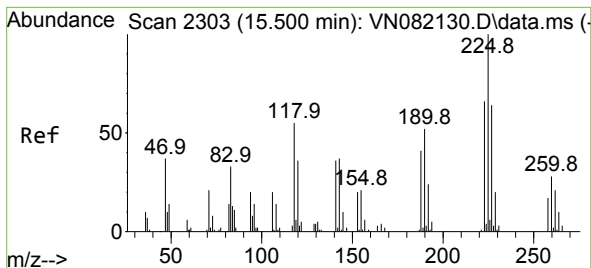
Tgt Ion: 75 Resp: 67607
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.329 ug/l
 RT: 15.394 min Scan# 2285
 Delta R.T. -0.000 min
 Lab File: VN082314.D
 Acq: 23 May 2024 12:16

Tgt Ion:180 Resp: 625
 Ion Ratio Lower Upper
 180 100
 182 65.4 46.7 140.0
 145 18.9 16.2 48.6





#94

Hexachlorobutadiene

Concen: 0.277 ug/l

RT: 15.506 min Scan# 21

Delta R.T. 0.006 min

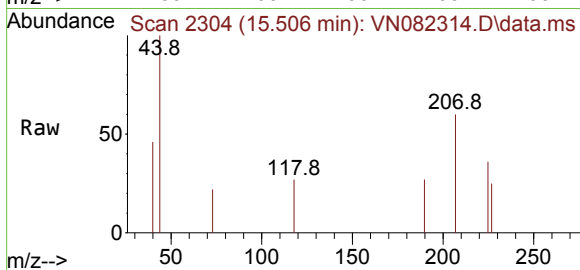
Lab File: VN082314.D

Acq: 23 May 2024 12:16

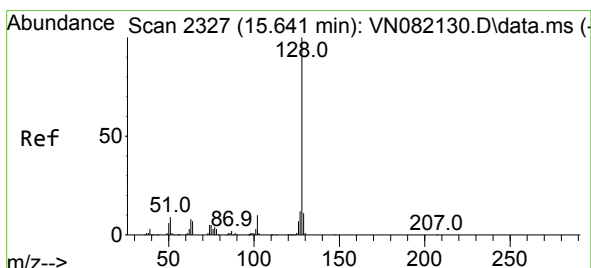
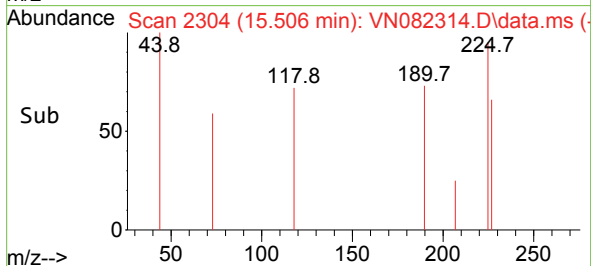
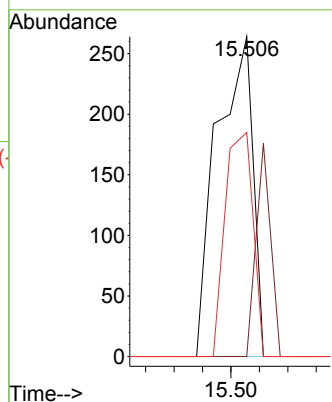
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	225	Resp:	231
Ion	Ratio	Lower	Upper
225	100		
223	26.8	31.1	93.2#
227	54.5	30.6	91.6



#95

Naphthalene

Concen: 0.367 ug/l

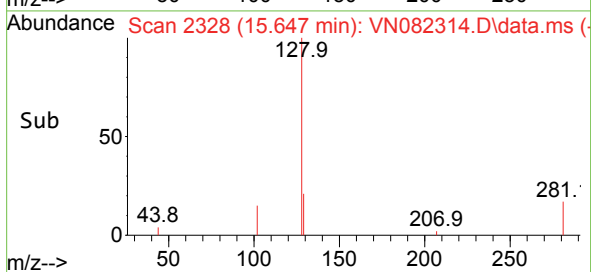
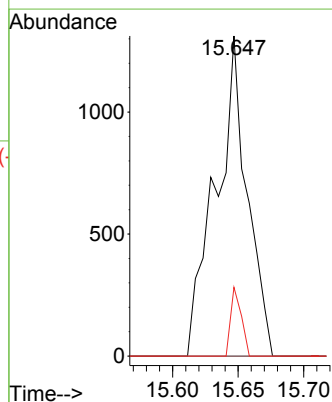
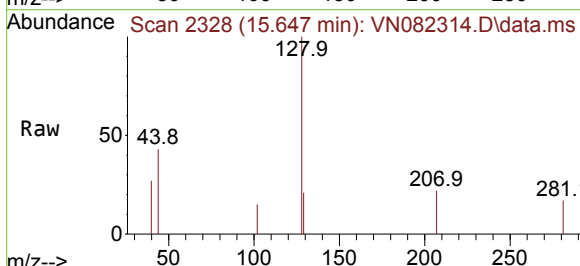
RT: 15.647 min Scan# 2328

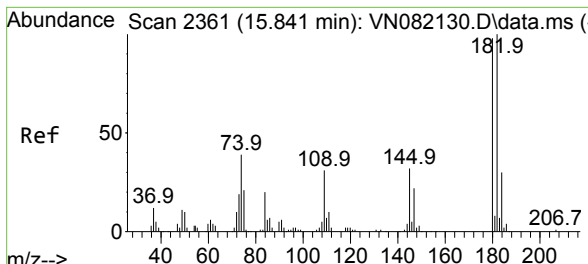
Delta R.T. 0.006 min

Lab File: VN082314.D

Acq: 23 May 2024 12:16

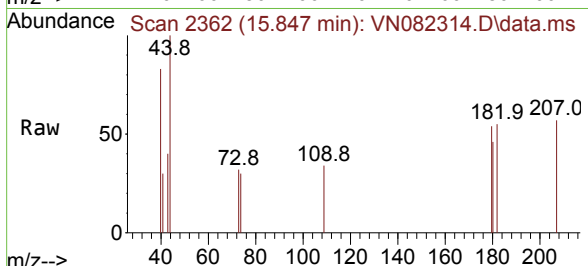
Tgt Ion:	128	Resp:	2182
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.1	15.1#
129	7.2	8.9	13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.389 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN082314.D
 Acq: 23 May 2024 12:16

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 740
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.0 137.8#
 145 16.4 17.1 51.3#

