

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052824\
 Data File : VN082338.D
 Acq On : 28 May 2024 11:28
 Operator : JC\MD
 Sample : VN0528MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBL01

Quant Time: May 29 06:45:56 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)

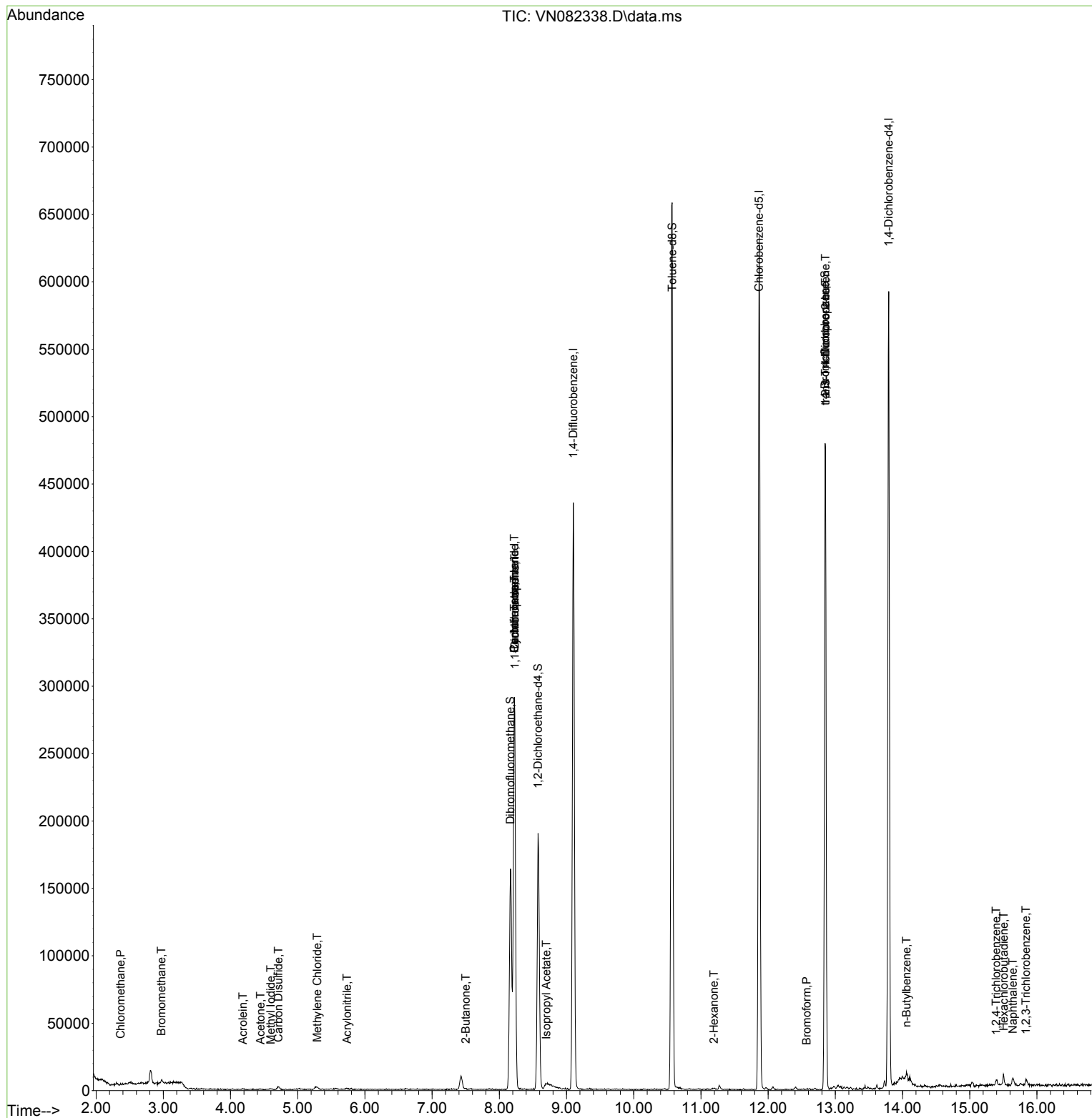
Internal Standards						
1) Pentafluorobenzene	8.224	168	205450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	352715	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	329867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	144606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	155435	47.913	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.820%
35) Dibromofluoromethane	8.165	113	111975	51.608	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.220%
50) Toluene-d8	10.571	98	441711	53.099	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.200%
62) 4-Bromofluorobenzene	12.847	95	159216	53.624	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	107.240%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	840	0.250	ug/l #	43
5) Bromomethane	2.971	94	1299	0.716	ug/l	94
10) Methyl Iodide	4.600	142	1100	0.453	ug/l #	40
13) Acrolein	4.183	56	489	1.267	ug/l	88
15) Acrylonitrile	5.736	53	768	0.569	ug/l #	70
16) Acetone	4.448	43	811	0.609	ug/l #	43
17) Carbon Disulfide	4.712	76	3367	0.465	ug/l #	74
20) Methylene Chloride	5.289	84	1411	0.526	ug/l #	78
25) 2-Butanone	7.500	43	411	0.204	ug/l #	43
31) Cyclohexane	8.224	56	5849	1.129	ug/l #	46
36) 1,1-Dichloropropene	8.230	75	18380	5.051	ug/l #	49
38) Carbon Tetrachloride	8.224	117	22492	6.097	ug/l #	16
43) Isopropyl Acetate	8.700	43	5318	0.737	ug/l #	52
59) 2-Hexanone	11.194	43	649	0.216	ug/l	77
71) Bromoform	12.571	173	53	0.728	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	93195	30.620	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	93195	71.619	ug/l #	12
89) n-Butylbenzene	14.059	91	2671	0.325	ug/l	92
93) 1,2,4-Trichlorobenzene	15.394	180	1933	0.734	ug/l	87
94) Hexachlorobutadiene	15.506	225	1492	1.292	ug/l	89
95) Naphthalene	15.641	128	6265	0.760	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.835	180	2017	0.766	ug/l	92

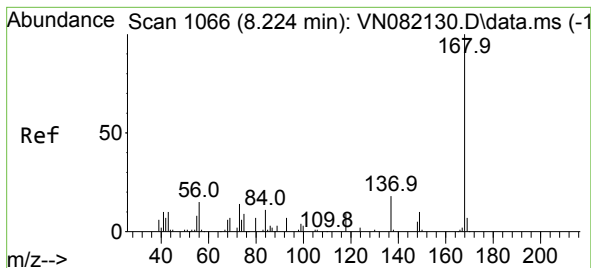
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052824\
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Instrument :
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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
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082338.D

Acq: 28 May 2024 11:28

Instrument :

MSVOA_N

ClientSampleId :

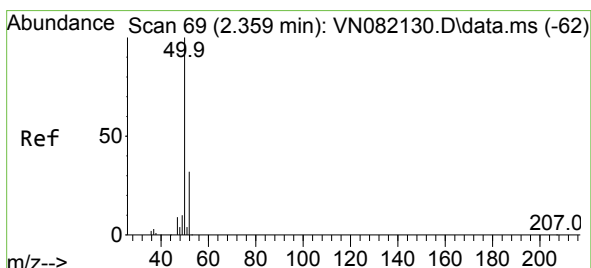
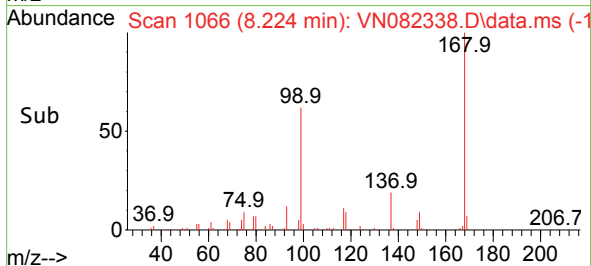
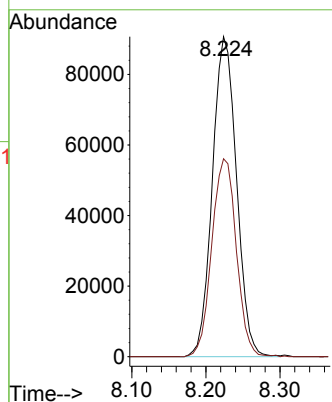
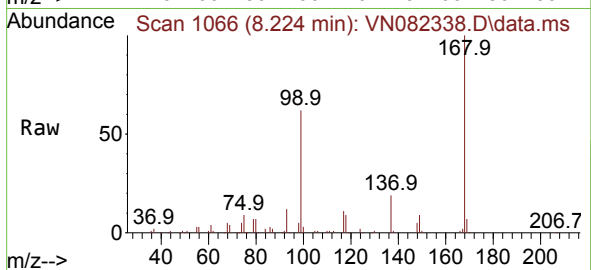
VN0528MBL01

Tgt Ion:168 Resp: 205450

Ion Ratio Lower Upper

168 100

99 61.9 48.2 72.4



#3

Chloromethane

Concen: 0.250 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN082338.D

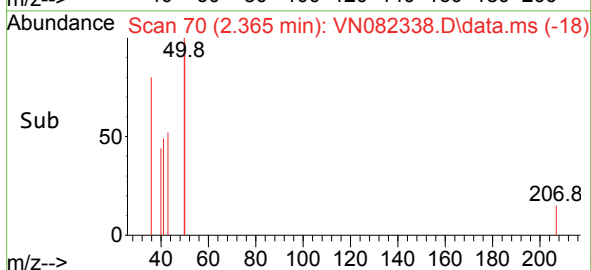
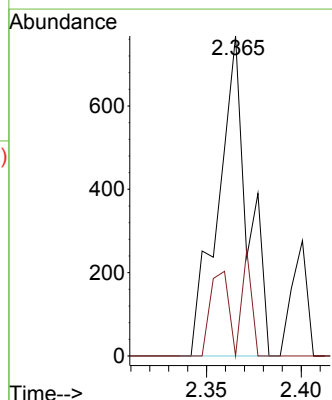
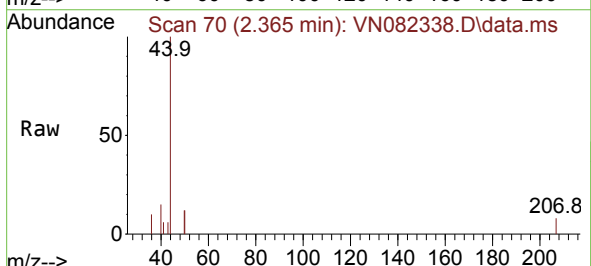
Acq: 28 May 2024 11:28

Tgt Ion: 50 Resp: 840

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#

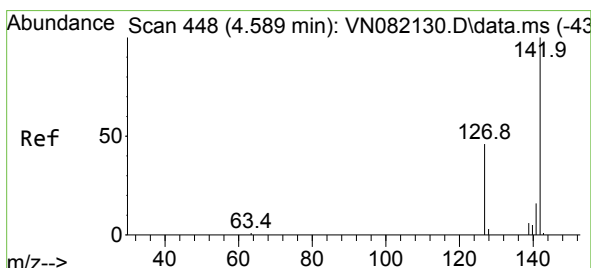
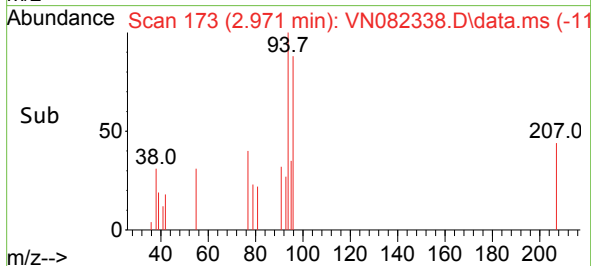
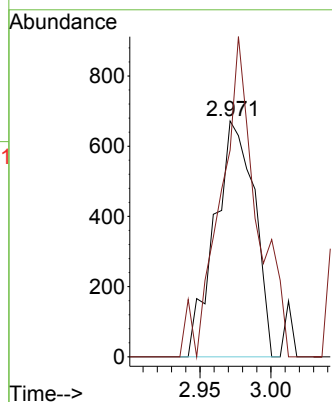
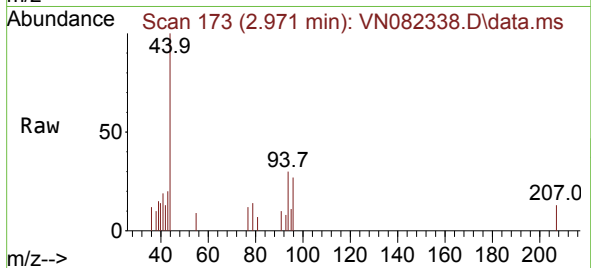




#5
Bromomethane
Concen: 0.716 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN082338.D
Acq: 28 May 2024 11:28

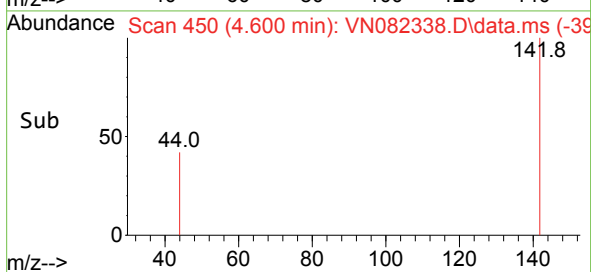
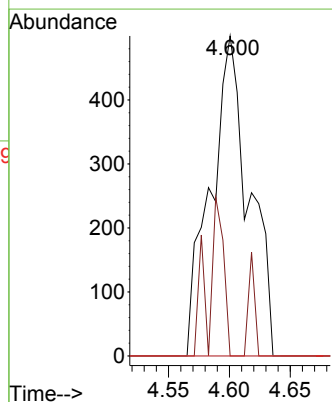
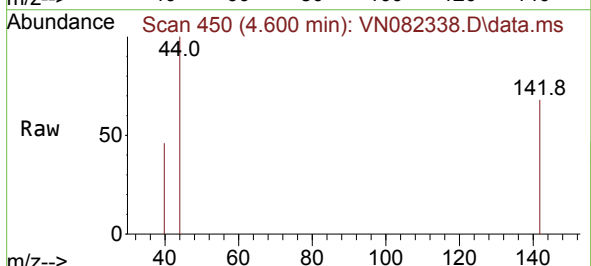
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

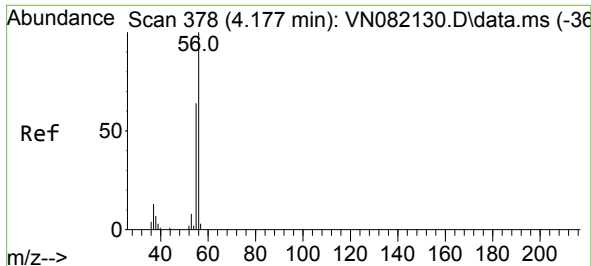
Tgt Ion: 94 Resp: 1299
Ion Ratio Lower Upper
94 100
96 87.6 74.8 112.2



#10
Methyl Iodide
Concen: 0.453 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.012 min
Lab File: VN082338.D
Acq: 28 May 2024 11:28

Tgt Ion:142 Resp: 1100
Ion Ratio Lower Upper
142 100
127 0.0 35.8 53.6#
141 0.0 11.4 17.2#





#13

Acrolein

Concen: 1.267 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN082338.D

Acq: 28 May 2024 11:28

Instrument :

MSVOA_N

ClientSampleId :

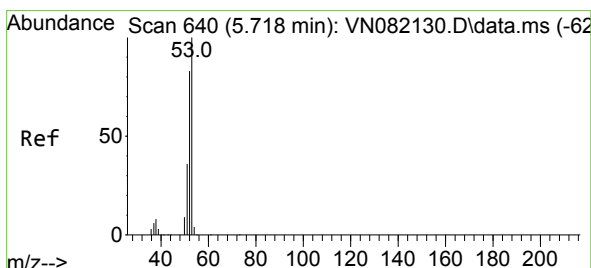
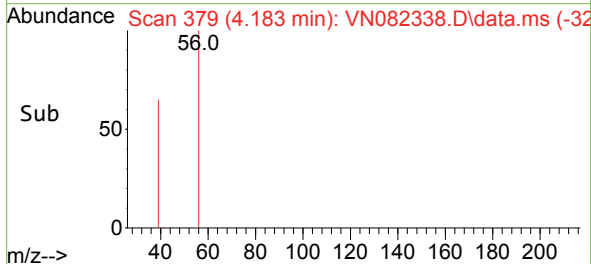
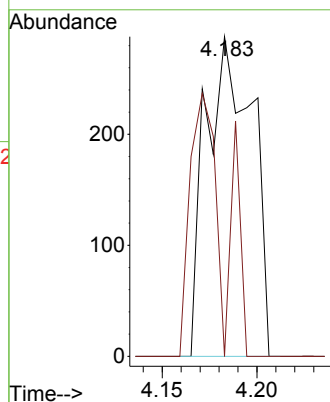
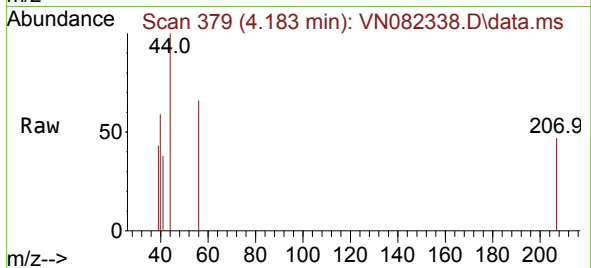
VN0528MBL01

Tgt Ion: 56 Resp: 489

Ion Ratio Lower Upper

56 100

55 59.7 55.8 83.8



#15

Acrylonitrile

Concen: 0.569 ug/l

RT: 5.736 min Scan# 643

Delta R.T. 0.018 min

Lab File: VN082338.D

Acq: 28 May 2024 11:28

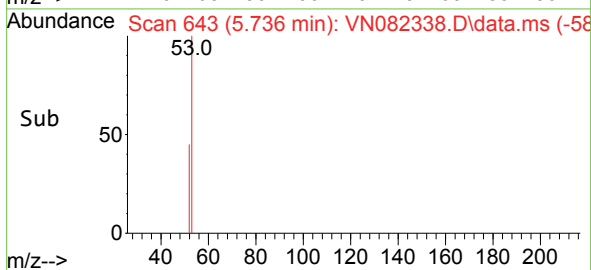
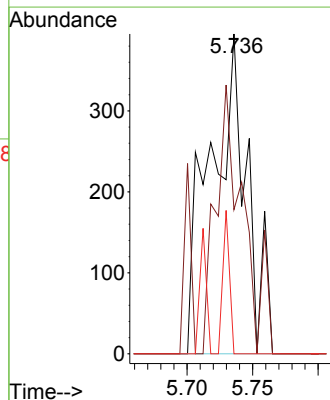
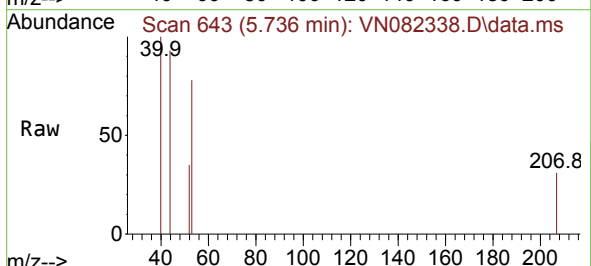
Tgt Ion: 53 Resp: 768

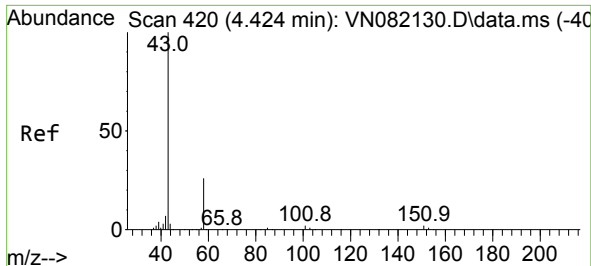
Ion Ratio Lower Upper

53 100

52 63.4 66.1 99.1#

51 8.1 29.4 44.2#





#16

Acetone

Concen: 0.609 ug/l

RT: 4.448 min Scan# 41

Delta R.T. 0.024 min

Lab File: VN082338.D

Acq: 28 May 2024 11:28

Instrument :

MSVOA_N

ClientSampleId :

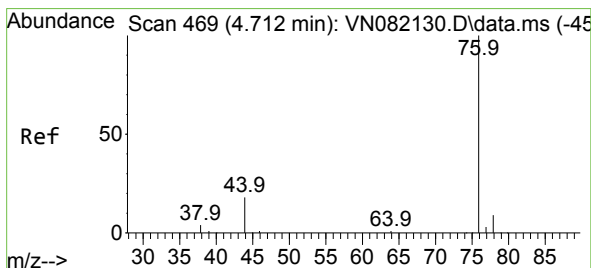
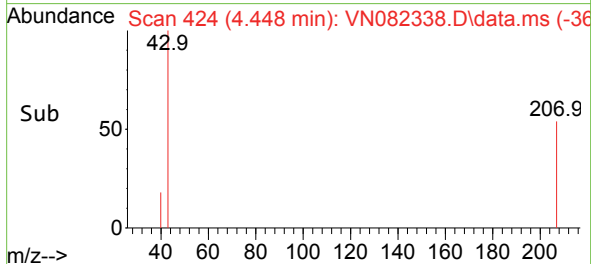
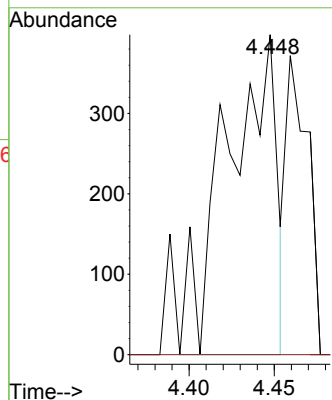
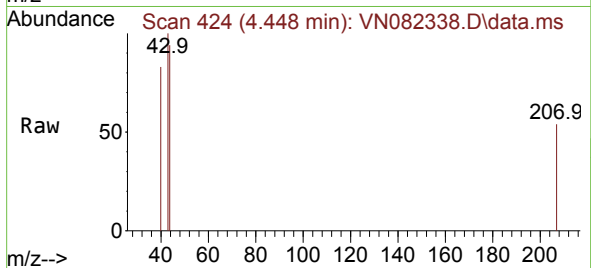
VN0528MBL01

Tgt Ion: 43 Resp: 811

Ion Ratio Lower Upper

43 100

58 0.0 25.2 37.8#



#17

Carbon Disulfide

Concen: 0.465 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN082338.D

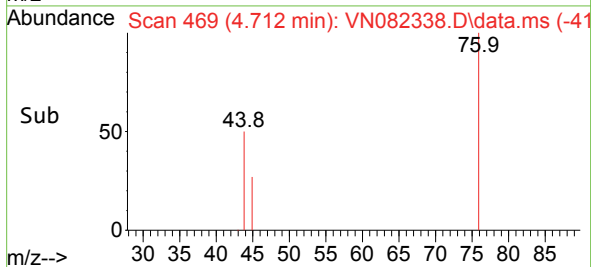
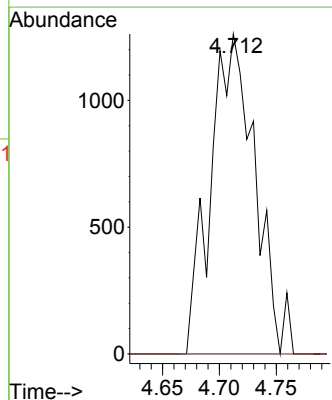
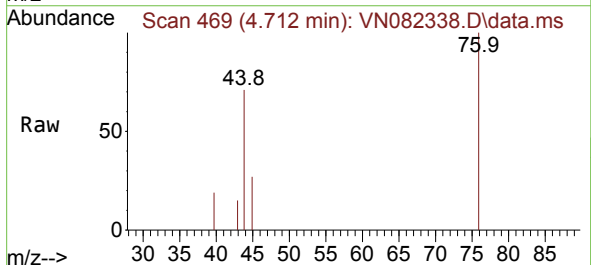
Acq: 28 May 2024 11:28

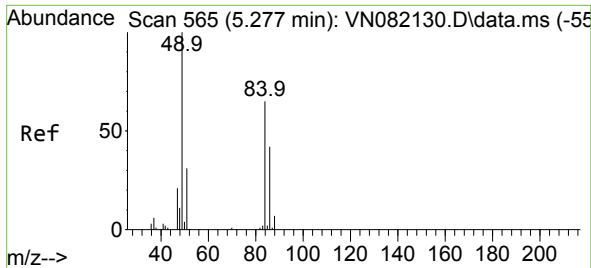
Tgt Ion: 76 Resp: 3367

Ion Ratio Lower Upper

76 100

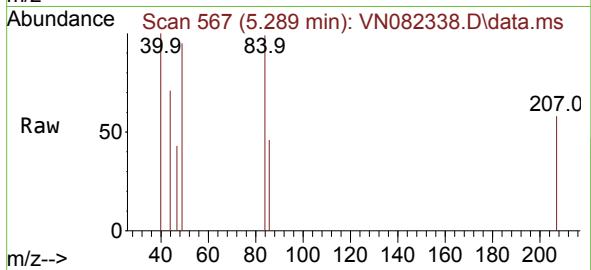
78 0.0 7.5 11.3#



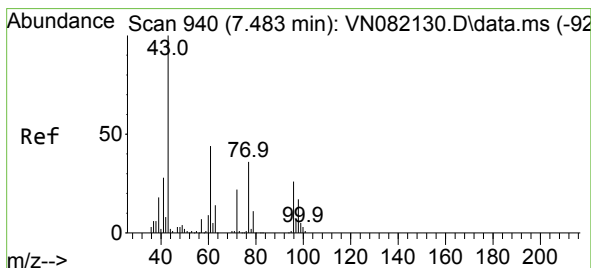
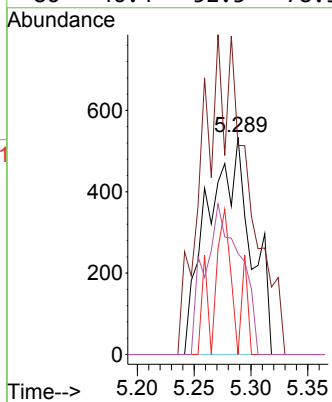
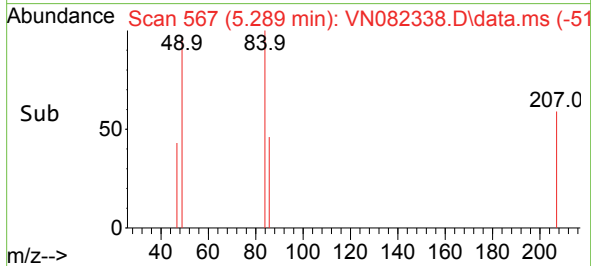


#20
Methylene Chloride
Concen: 0.526 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082338.D
Acq: 28 May 2024 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

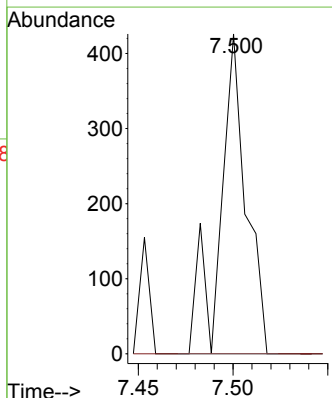
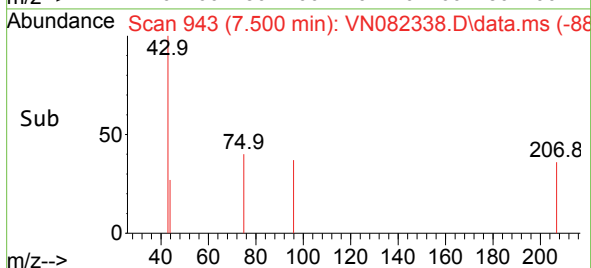
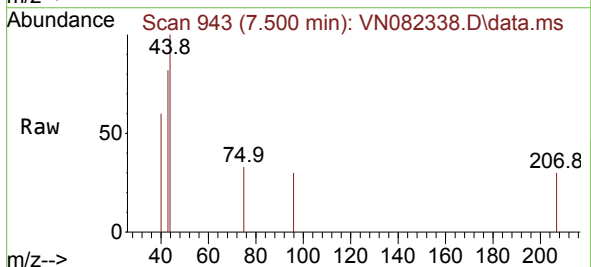


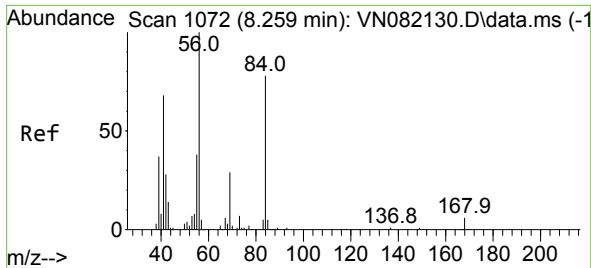
Tgt Ion: 84 Resp: 1411
Ion Ratio Lower Upper
84 100
49 96.3 84.9 127.3
51 0.0 27.0 40.6#
86 46.4 52.3 78.5#



#25
2-Butanone
Concen: 0.204 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.018 min
Lab File: VN082338.D
Acq: 28 May 2024 11:28

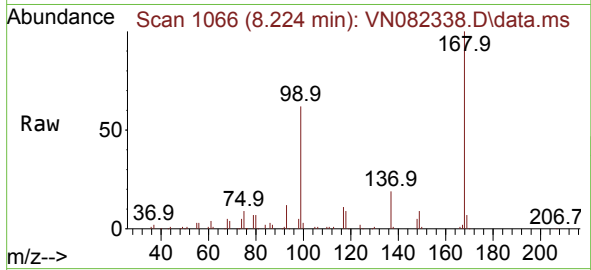
Tgt Ion: 43 Resp: 411
Ion Ratio Lower Upper
43 100
72 0.0 25.3 37.9#



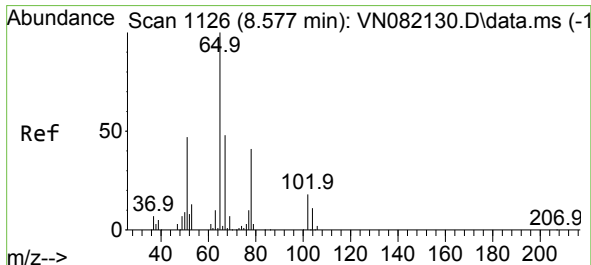
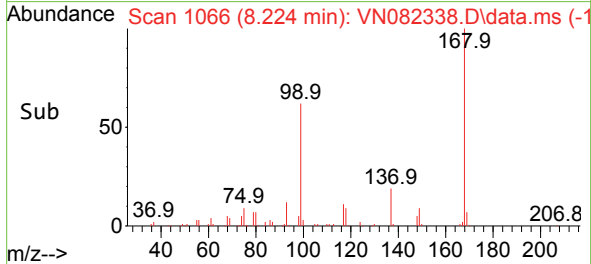
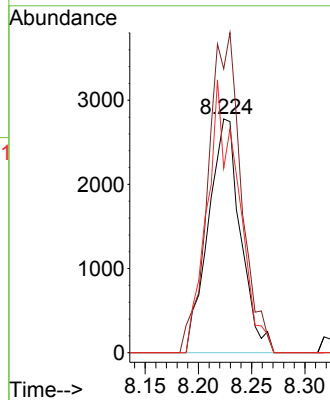


#31
Cyclohexane
Concen: 1.129 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082338.D
Acq: 28 May 2024 11:28

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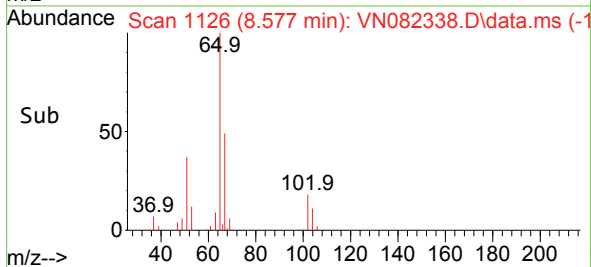
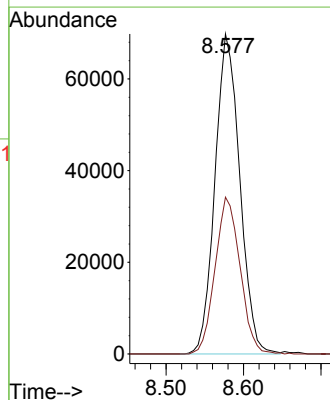
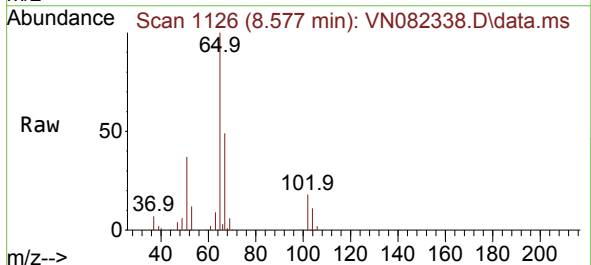


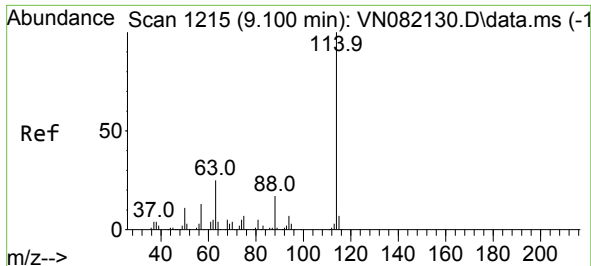
Tgt Ion: 56 Resp: 5849
Ion Ratio Lower Upper
56 100
69 121.5 24.4 36.6#
84 78.9 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 47.913 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN082338.D
Acq: 28 May 2024 11:28

Tgt Ion: 65 Resp: 155435
Ion Ratio Lower Upper
65 100
67 49.4 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN082338.D

Acq: 28 May 2024 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBL01

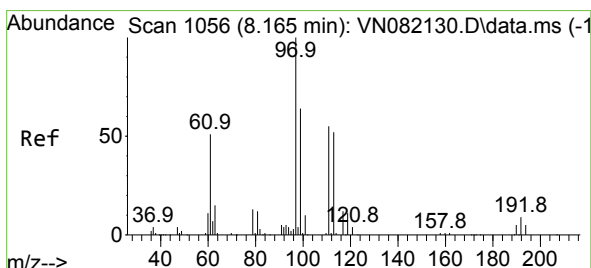
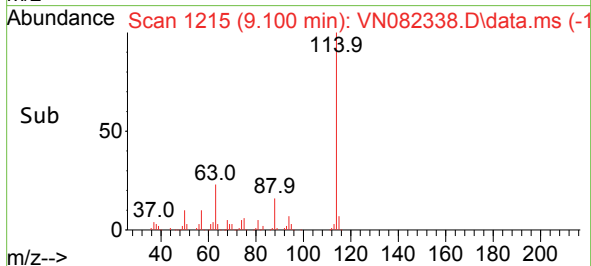
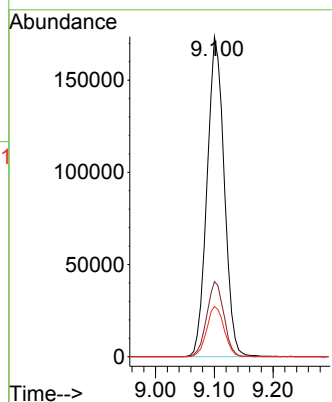
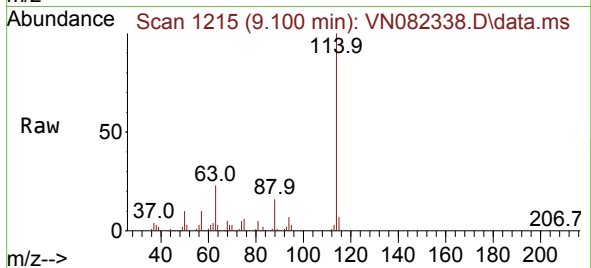
Tgt Ion:114 Resp: 352715

Ion Ratio Lower Upper

114 100

63 23.5 0.0 41.0

88 15.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 51.608 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN082338.D

Acq: 28 May 2024 11:28

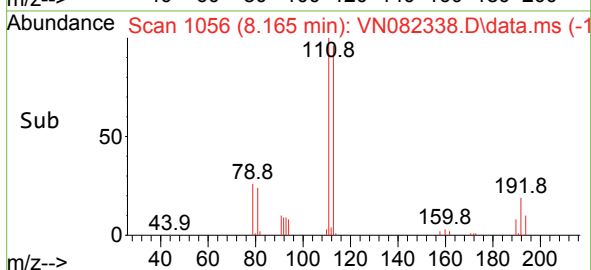
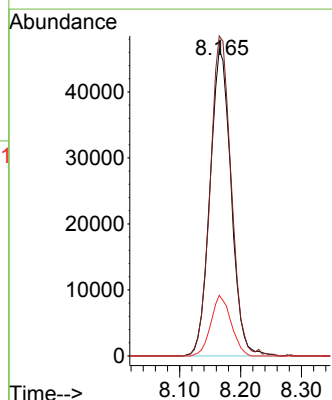
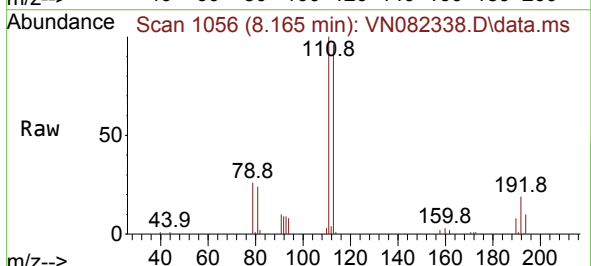
Tgt Ion:113 Resp: 111975

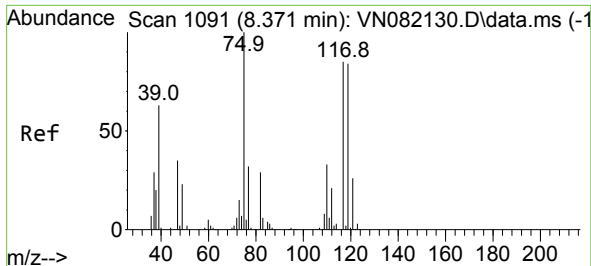
Ion Ratio Lower Upper

113 100

111 104.2 83.4 125.2

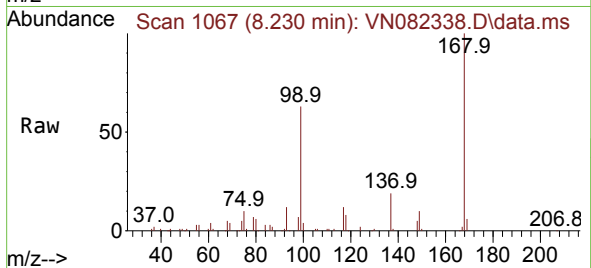
192 18.9 14.0 21.0



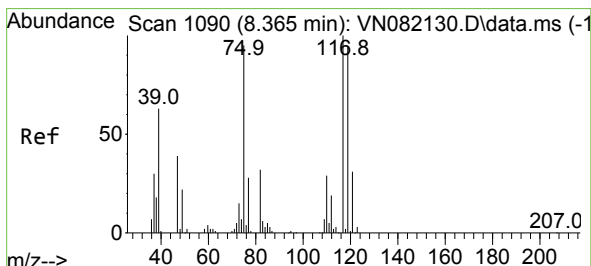
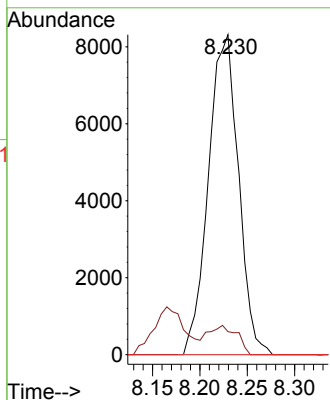
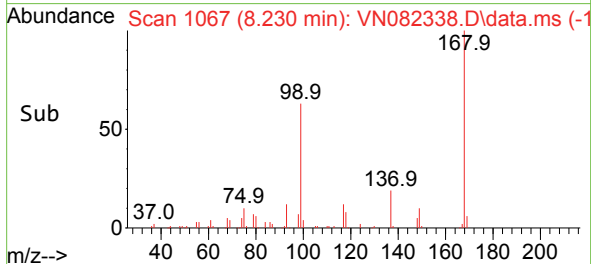


#36
1,1-Dichloropropene
Concen: 5.051 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082338.D
Acq: 28 May 2024 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

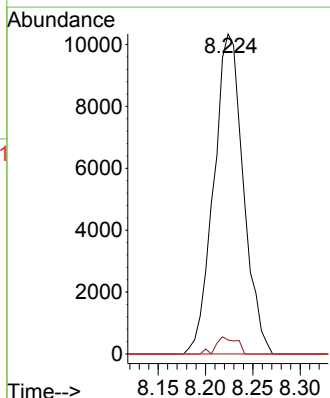
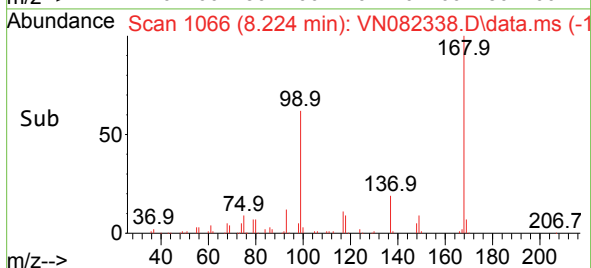
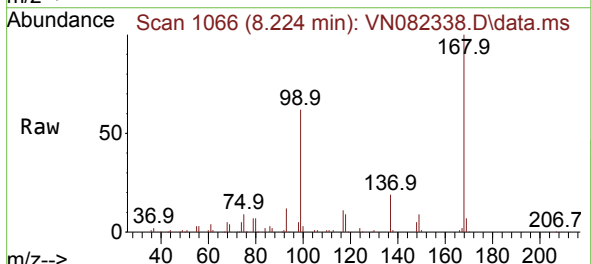


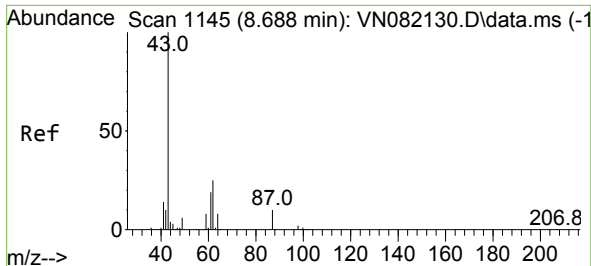
Tgt Ion: 75 Resp: 18380
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.5#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.097 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082338.D
Acq: 28 May 2024 11:28

Tgt Ion: 117 Resp: 22492
Ion Ratio Lower Upper
117 100
119 4.3 76.5 114.7#
121 0.0 23.9 35.9#

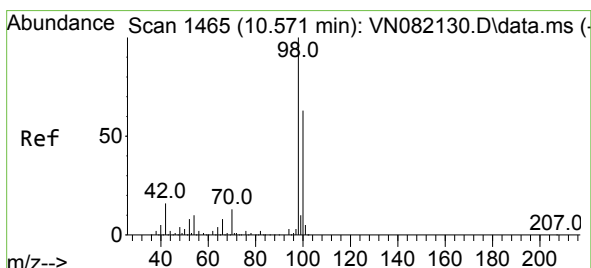
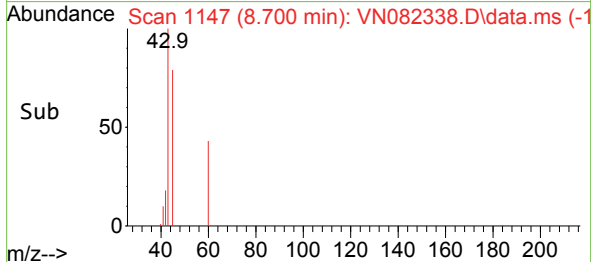
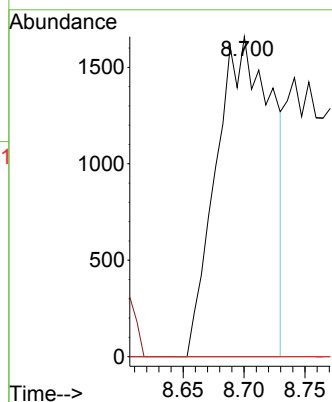
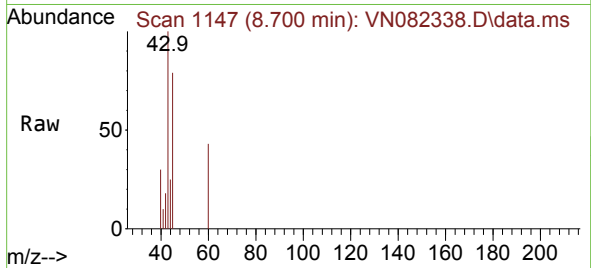




#43
Isopropyl Acetate
Concen: 0.737 ug/l
RT: 8.700 min Scan# 1145
Delta R.T. 0.012 min
Lab File: VN082338.D
Acq: 28 May 2024 11:28

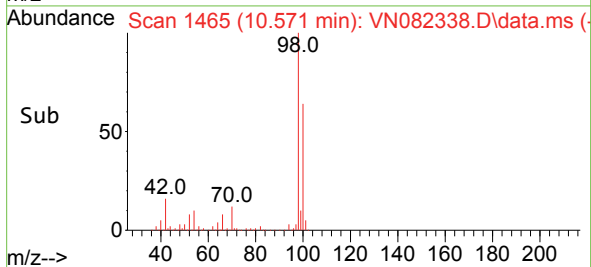
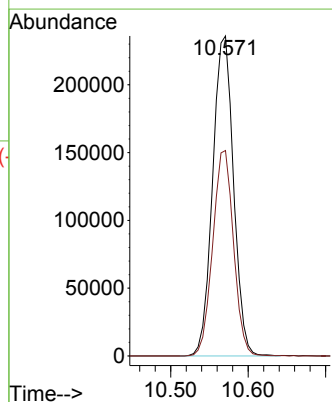
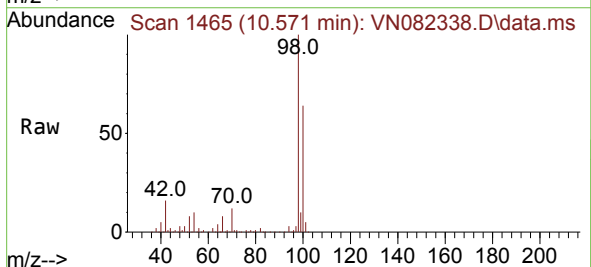
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

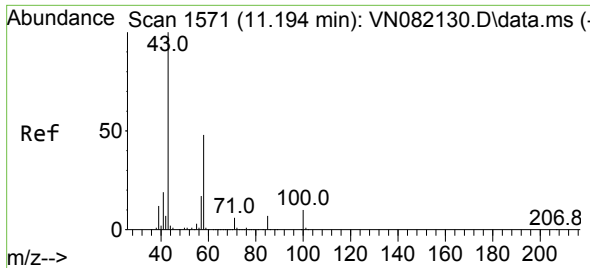
Tgt Ion: 43 Resp: 5318
Ion Ratio Lower Upper
43 100
61 0.0 22.8 34.2#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 53.099 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082338.D
Acq: 28 May 2024 11:28

Tgt Ion: 98 Resp: 441711
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.6

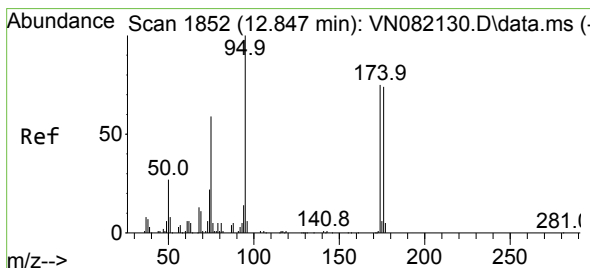
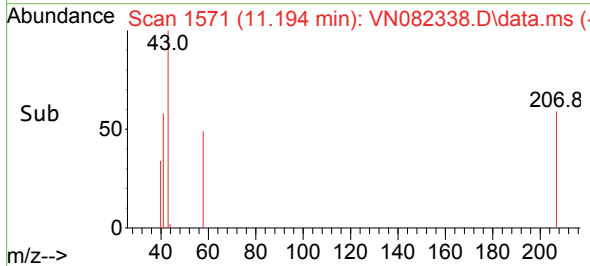
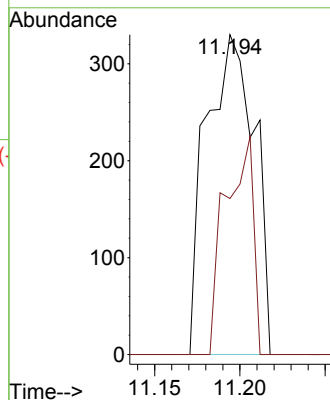
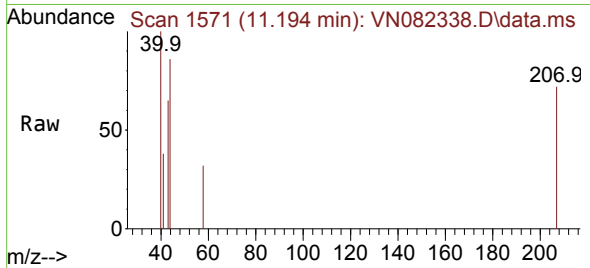




#59
2-Hexanone
Concen: 0.216 ug/l
RT: 11.194 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082338.D
Acq: 28 May 2024 11:28

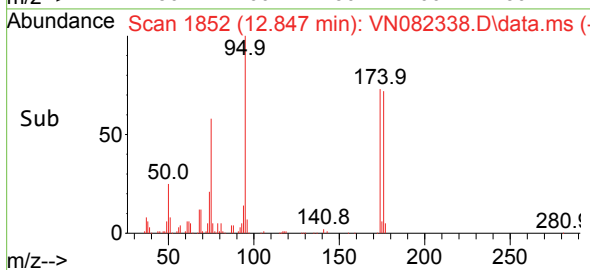
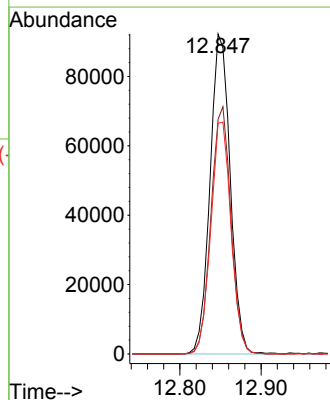
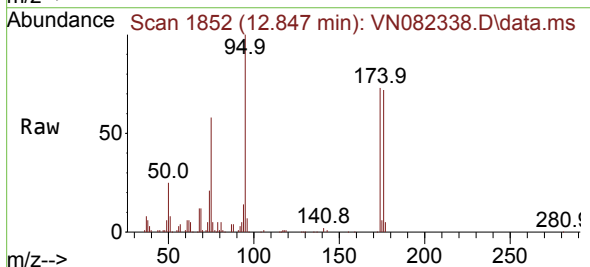
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

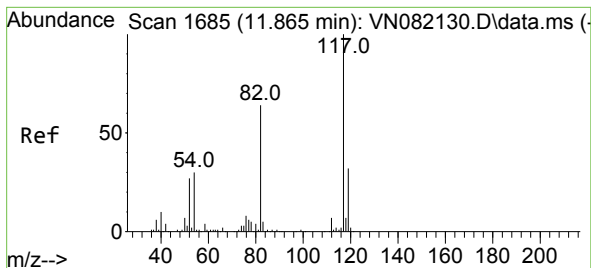
Tgt Ion: 43 Resp: 649
Ion Ratio Lower Upper
43 100
58 39.6 28.3 84.9



#62
4-Bromofluorobenzene
Concen: 53.624 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN082338.D
Acq: 28 May 2024 11:28

Tgt Ion: 95 Resp: 159216
Ion Ratio Lower Upper
95 100
174 76.5 0.0 160.6
176 72.6 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN082338.D

Acq: 28 May 2024 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBL01

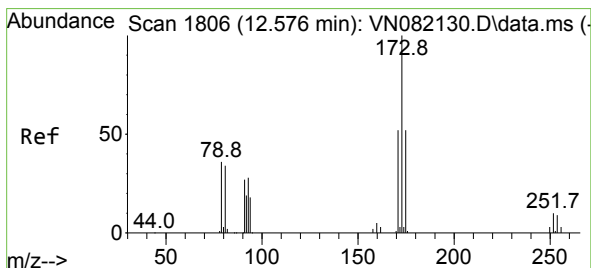
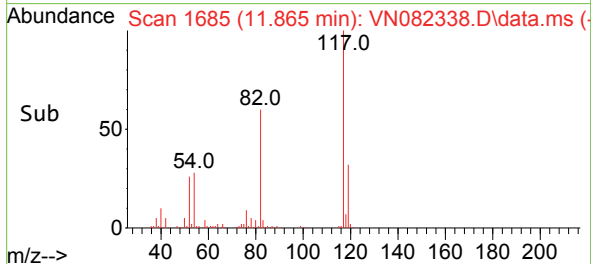
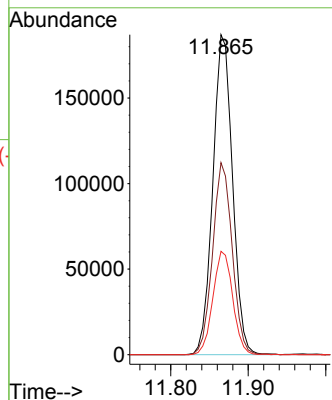
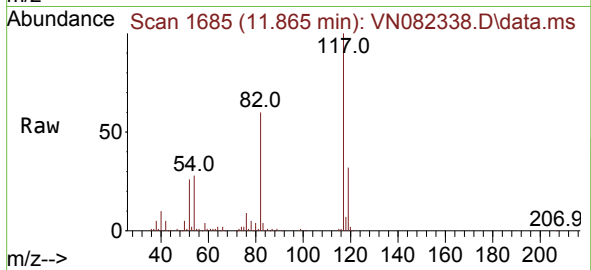
Tgt Ion:117 Resp: 329867

Ion Ratio Lower Upper

117 100

82 60.0 44.6 66.8

119 32.3 25.9 38.9



#71

Bromoform

Concen: 0.728 ug/l

RT: 12.571 min Scan# 1805

Delta R.T. -0.005 min

Lab File: VN082338.D

Acq: 28 May 2024 11:28

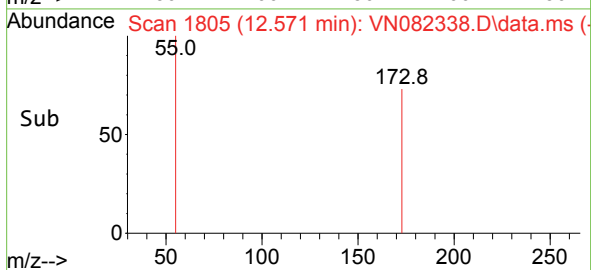
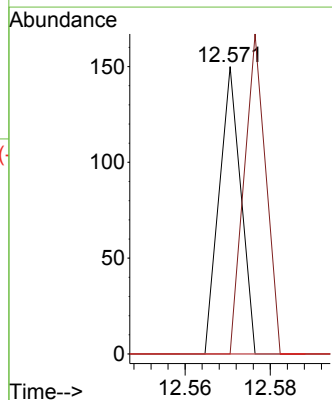
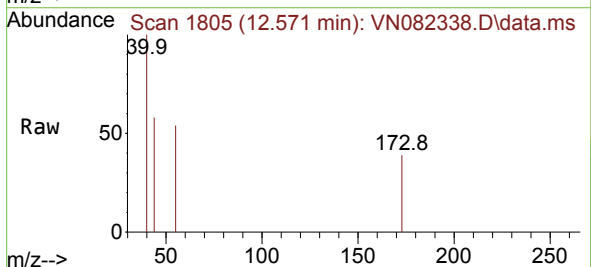
Tgt Ion:173 Resp: 53

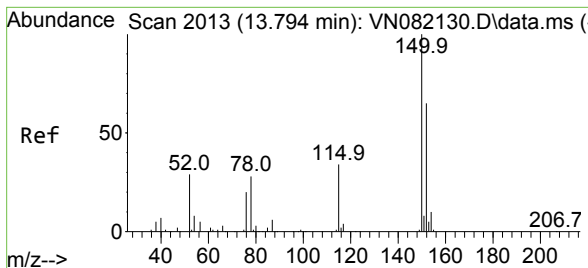
Ion Ratio Lower Upper

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: VN082338.D

Acq: 28 May 2024 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBL01

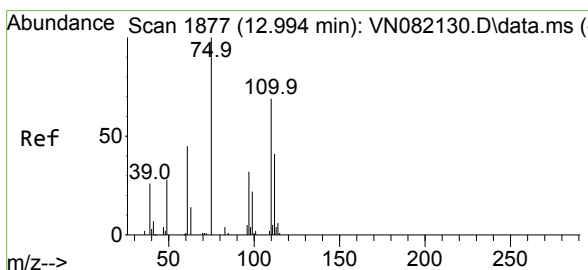
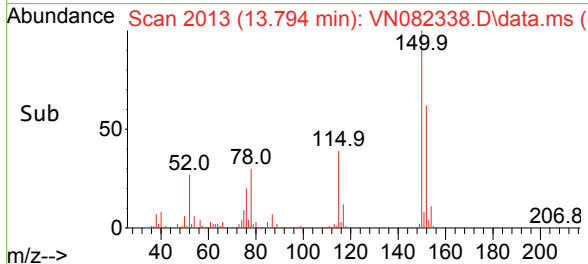
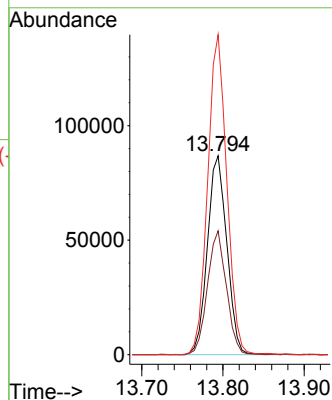
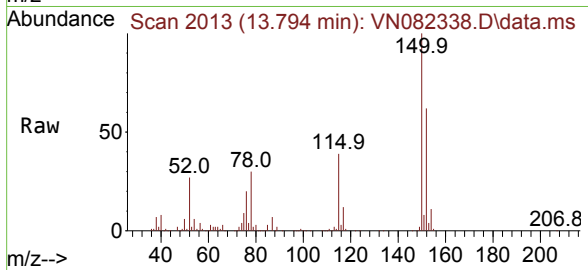
Tgt Ion:152 Resp: 144606

Ion Ratio Lower Upper

152 100

115 60.6 30.4 91.3

150 157.7 0.0 353.2



#76

1,2,3-Trichloropropane

Concen: 30.620 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082338.D

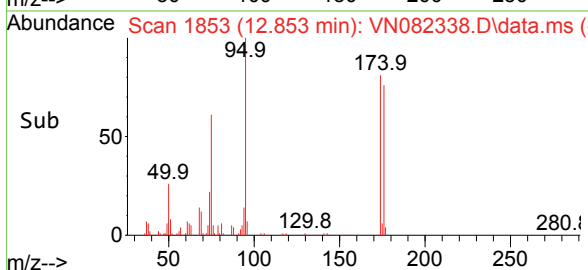
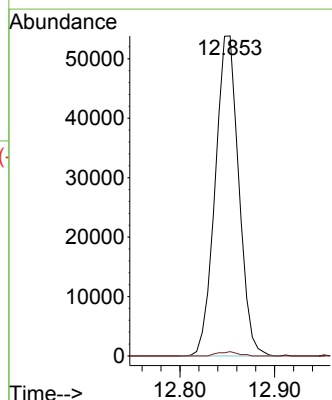
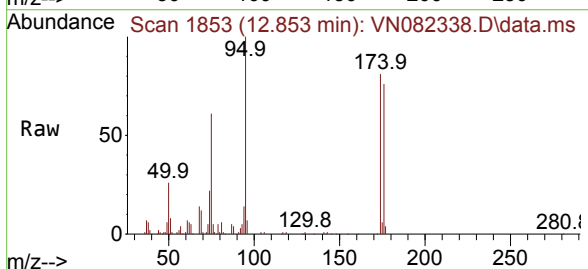
Acq: 28 May 2024 11:28

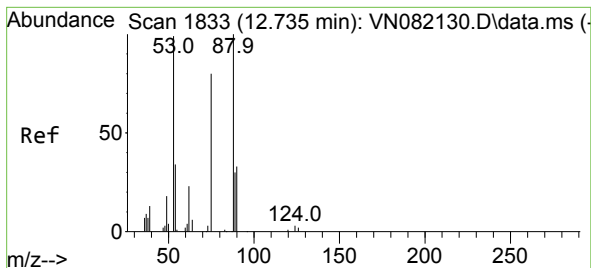
Tgt Ion: 75 Resp: 93195

Ion Ratio Lower Upper

75 100

77 1.2 90.5 271.3#

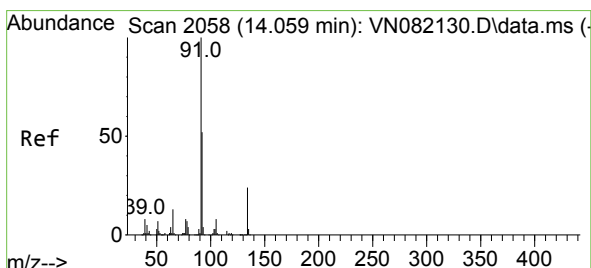
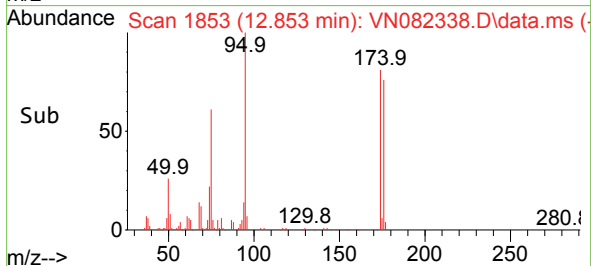
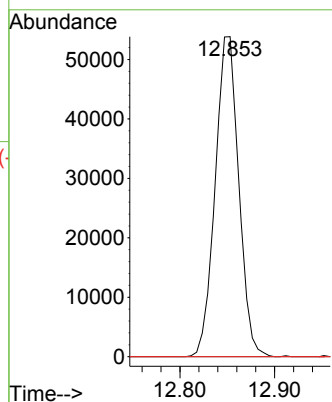
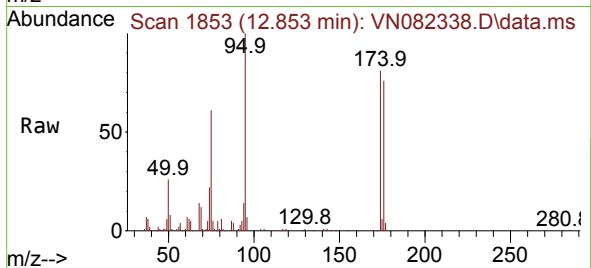




#81
trans-1,4-Dichloro-2-butene
Concen: 71.619 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN082338.D
Acq: 28 May 2024 11:28

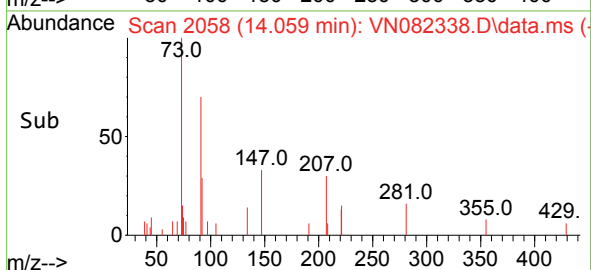
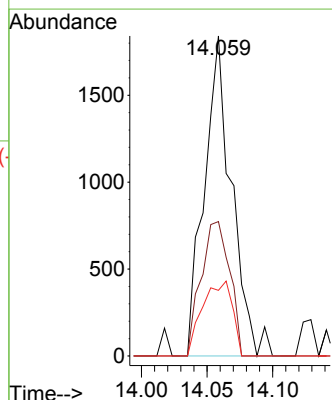
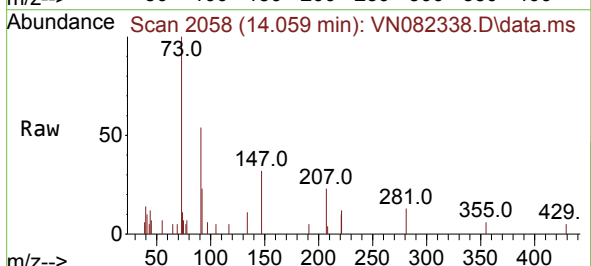
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

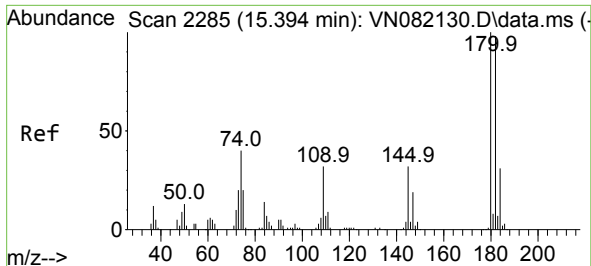
Tgt Ion: 75 Resp: 93195
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#



#89
n-Butylbenzene
Concen: 0.325 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN082338.D
Acq: 28 May 2024 11:28

Tgt Ion: 91 Resp: 2671
Ion Ratio Lower Upper
91 100
92 44.0 26.2 78.5
134 25.5 13.2 39.5

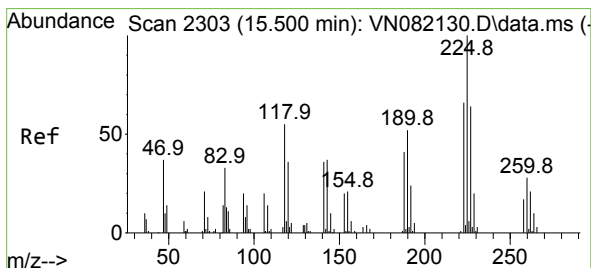
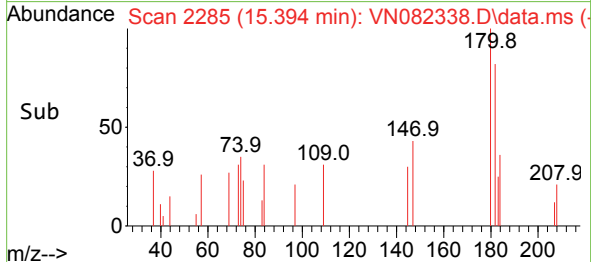
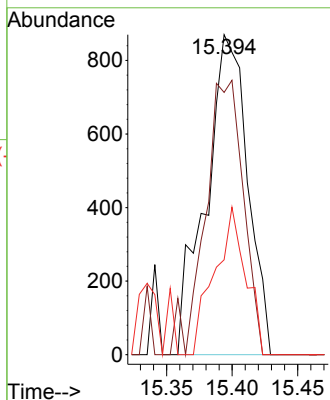
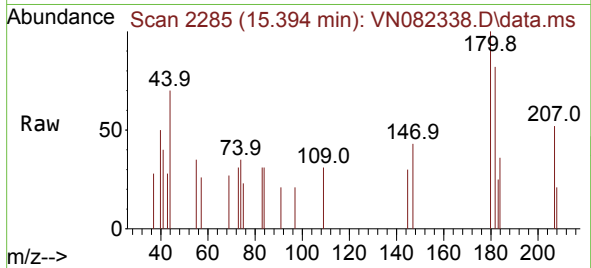




#93
 1,2,4-Trichlorobenzene
 Concen: 0.734 ug/l
 RT: 15.394 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN082338.D
 Acq: 28 May 2024 11:28

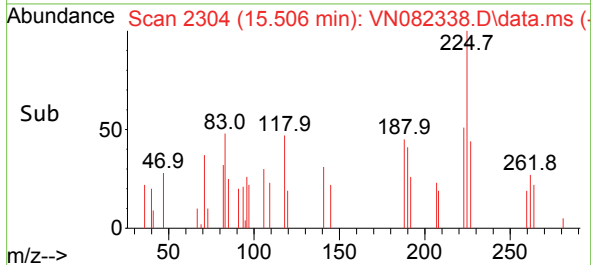
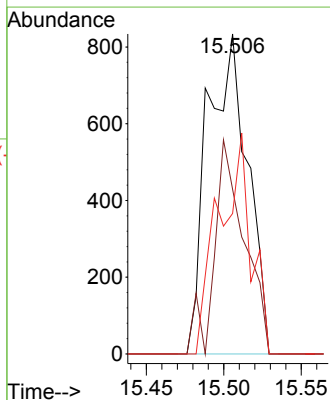
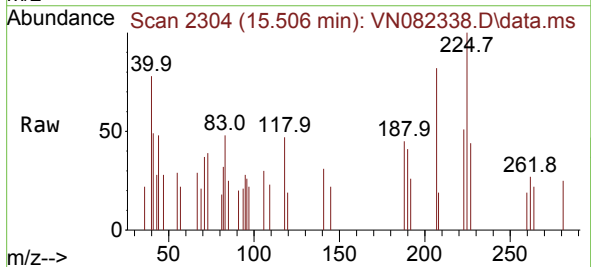
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBL01

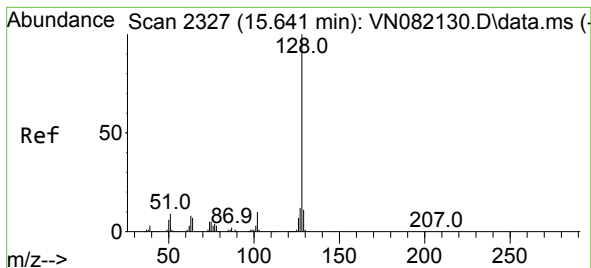
Tgt Ion:180 Resp: 1933
 Ion Ratio Lower Upper
 180 100
 182 78.2 46.7 140.0
 145 34.5 16.2 48.6



#94
 Hexachlorobutadiene
 Concen: 1.292 ug/l
 RT: 15.506 min Scan# 2304
 Delta R.T. 0.006 min
 Lab File: VN082338.D
 Acq: 28 May 2024 11:28

Tgt Ion:225 Resp: 1492
 Ion Ratio Lower Upper
 225 100
 223 50.6 31.1 93.2
 227 55.4 30.6 91.6





#95

Naphthalene

Concen: 0.760 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN082338.D

Acq: 28 May 2024 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBL01

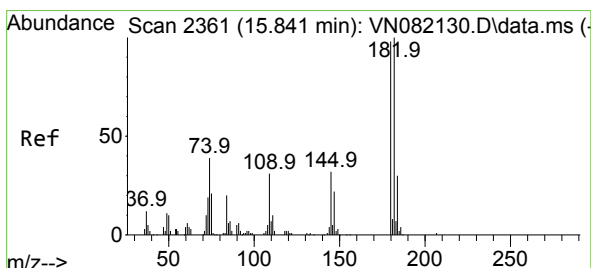
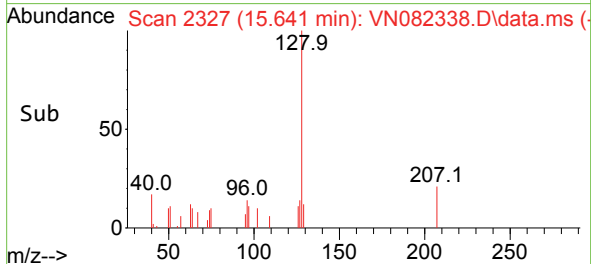
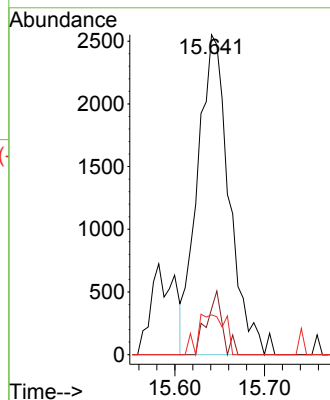
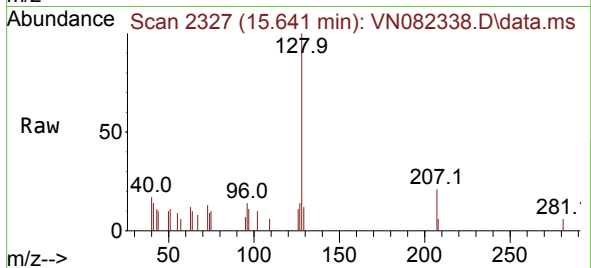
Tgt Ion:128 Resp: 6265

Ion Ratio Lower Upper

128 100

127 9.8 10.1 15.1#

129 10.9 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 0.766 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.006 min

Lab File: VN082338.D

Acq: 28 May 2024 11:28

Tgt Ion:180 Resp: 2017

Ion Ratio Lower Upper

180 100

182 97.3 46.0 137.8

145 43.3 17.1 51.3

