

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032124\
 Data File : VN081517.D
 Acq On : 21 Mar 2024 14:14
 Operator : JC\MD
 Sample : P1799-02DL2 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 50296DL2

Quant Time: Mar 22 05:06:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

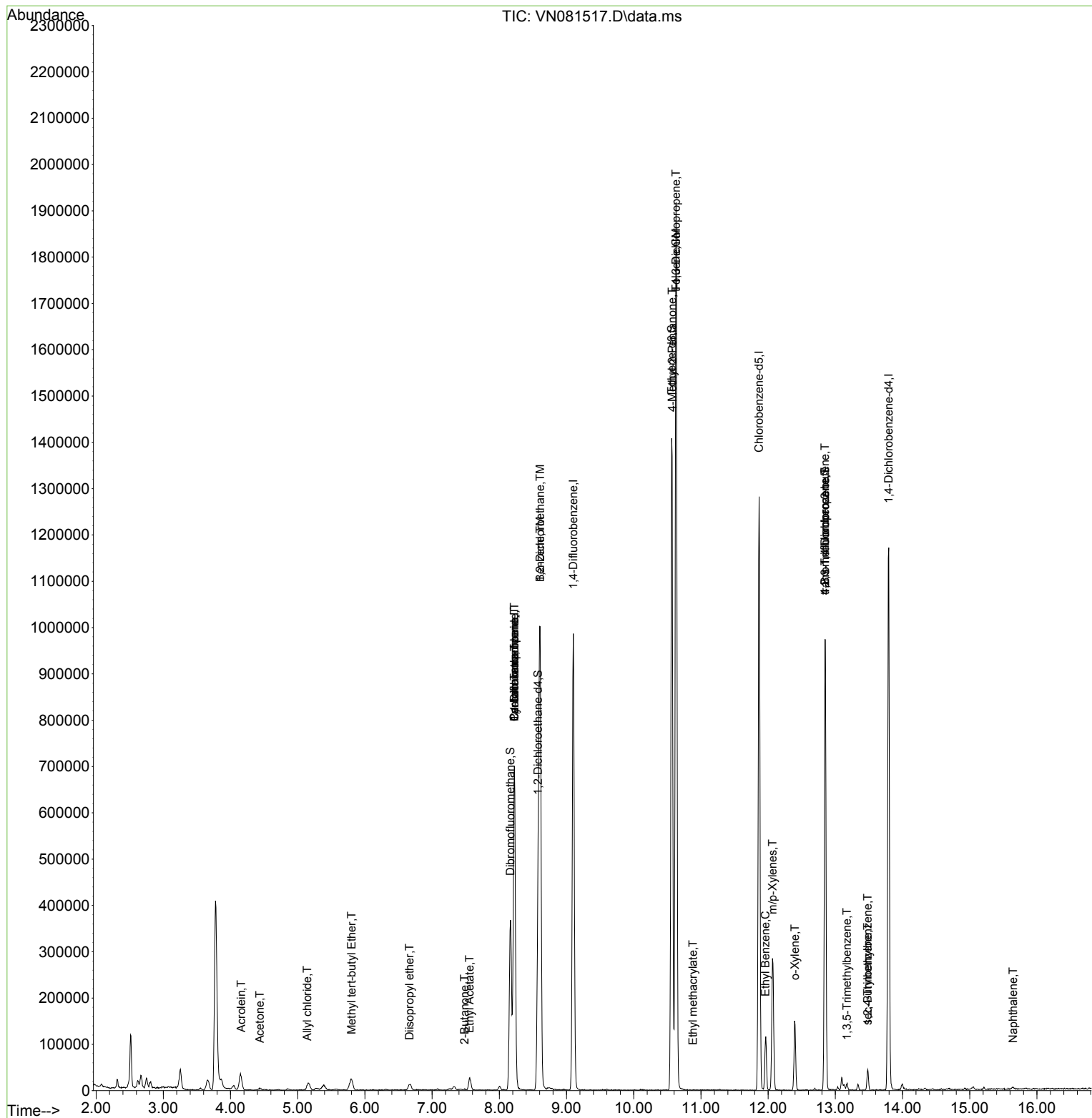
Internal Standards						
1) Pentafluorobenzene	8.224	168	509731	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	875146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	763303	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	321285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	312467	48.069	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.140%		
35) Dibromofluoromethane	8.165	113	265256	48.027	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.060%		
50) Toluene-d8	10.565	98	1005931	50.384	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.760%		
62) 4-Bromofluorobenzene	12.847	95	333587	47.418	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	94.840%		
Target Compounds					Qvalue	
13) Acrolein	4.159	56	1147	1.128	ug/l	# 1
14) Allyl chloride	5.142	41	1635	0.217	ug/l	# 1
16) Acetone	4.436	43	6128	2.917	ug/l	93
19) Methyl tert-butyl Ether	5.800	73	38170	2.027	ug/l	# 86
22) Diisopropyl ether	6.665	45	14025	0.801	ug/l	# 86
25) 2-Butanone	7.483	43	2376	0.659	ug/l	# 79
31) Cyclohexane	8.224	56	14987	1.417	ug/l	# 1
36) 1,1-Dichloropropene	8.224	75	40647	4.373	ug/l	# 50
37) Ethyl Acetate	7.559	43	37659	4.732	ug/l	# 92
38) Carbon Tetrachloride	8.224	117	56040	5.504	ug/l	# 18
40) Benzene	8.606	78	991475	36.487	ug/l	97
42) 1,2-Dichloroethane	8.606	62	9545	0.998	ug/l	# 75
51) 4-Methyl-2-Pentanone	10.571	43	4449	0.553	ug/l	# 1
52) Toluene	10.630	92	850894	49.266	ug/l	100
53) t-1,3-Dichloropropene	10.630	75	10779	1.021	ug/l	# 1
56) Ethyl methacrylate	10.882	69	63	0.577	ug/l	# 20
67) Ethyl Benzene	11.959	91	83467	2.663	ug/l	98
68) m/p-Xylenes	12.065	106	96375	8.202	ug/l	93
69) o-Xylene	12.400	106	42533	3.687	ug/l	93
76) 1,2,3-Trichloropropane	12.847	75	176826	23.008	ug/l	# 1
80) 1,3,5-Trimethylbenzene	13.171	105	6621	0.293	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.847	75	176826	62.176	ug/l	# 14
84) 1,2,4-Trimethylbenzene	13.482	105	24916	1.096	ug/l	95
85) sec-Butylbenzene	13.482	105	24916	0.894	ug/l	# 60
95) Naphthalene	15.647	128	4833	0.216	ug/l	# 93

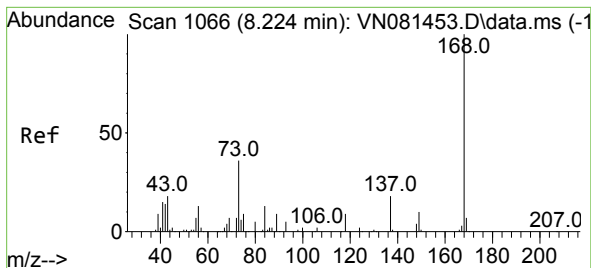
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 19 06:00:00 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: VN081517.D

Acq: 21 Mar 2024 14:14

Instrument :

MSVOA_N

ClientSampleId :

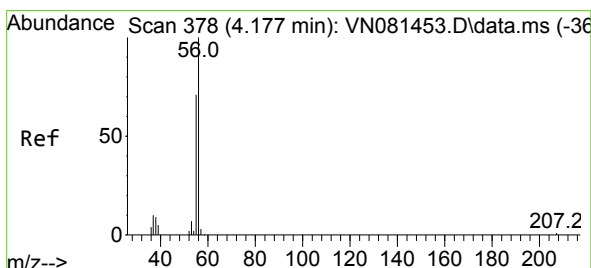
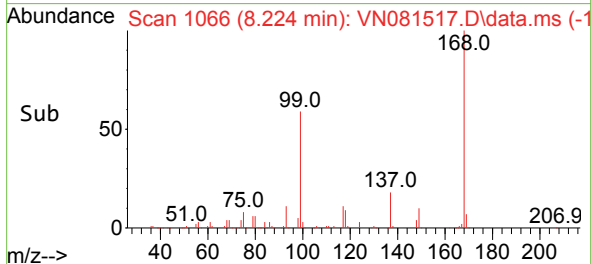
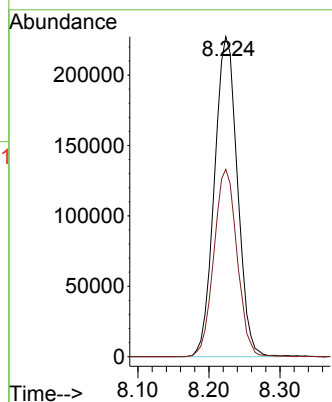
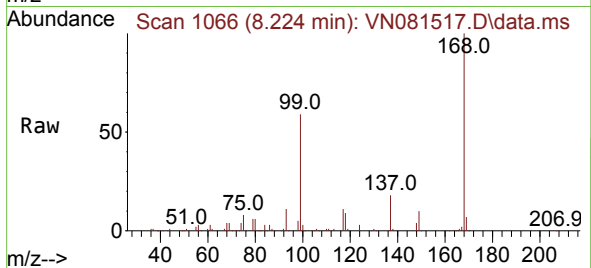
50296DL2

Tgt Ion:168 Resp: 509731

Ion Ratio Lower Upper

168 100

99 58.5 59.9 89.9#



#13

Acrolein

Concen: 1.128 ug/l

RT: 4.159 min Scan# 375

Delta R.T. -0.017 min

Lab File: VN081517.D

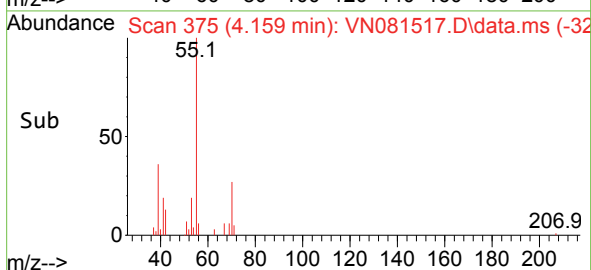
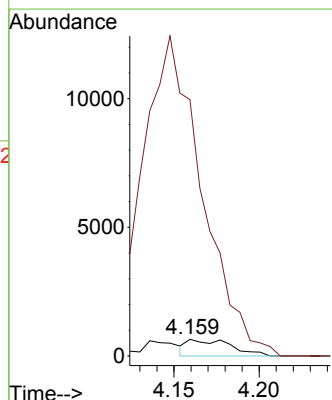
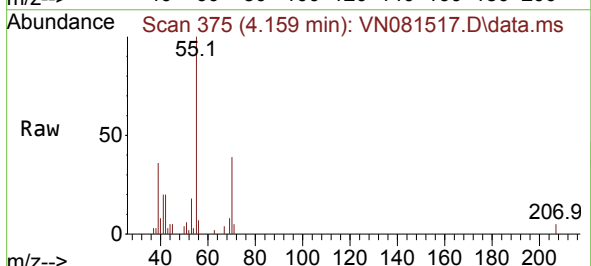
Acq: 21 Mar 2024 14:14

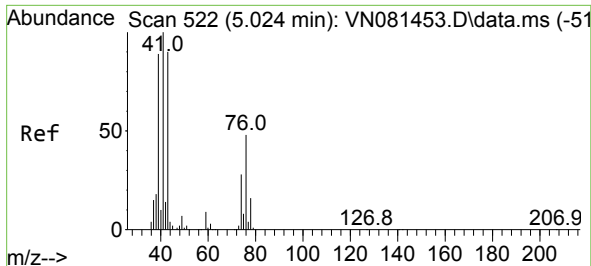
Tgt Ion: 56 Resp: 1147

Ion Ratio Lower Upper

56 100

55 2762.8 55.3 82.9#

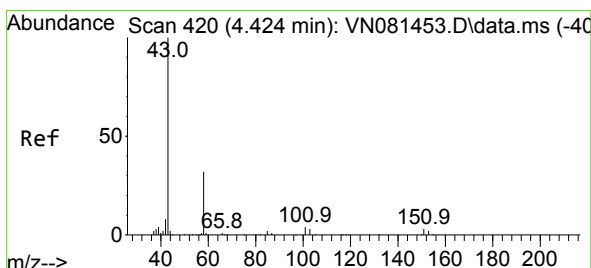
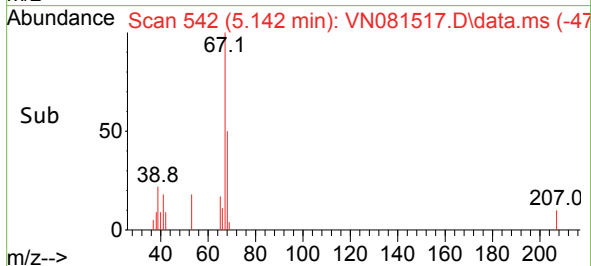
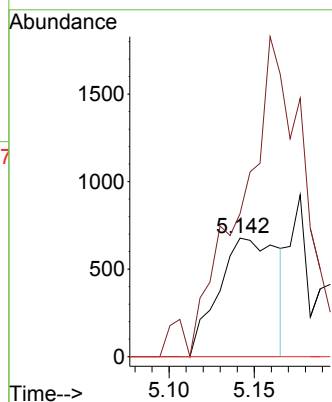
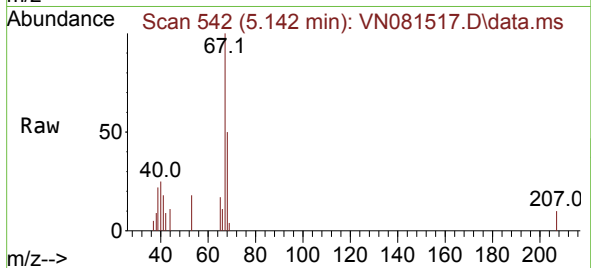




#14
 Allyl chloride
 Concen: 0.217 ug/l
 RT: 5.142 min Scan# 54
 Delta R.T. 0.118 min
 Lab File: VN081517.D
 Acq: 21 Mar 2024 14:14

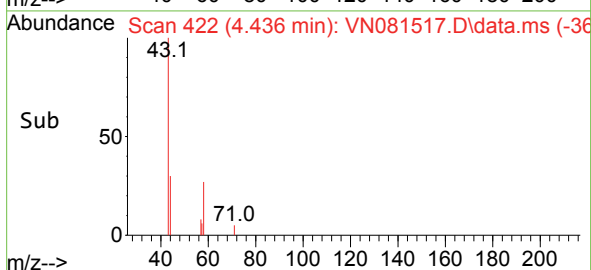
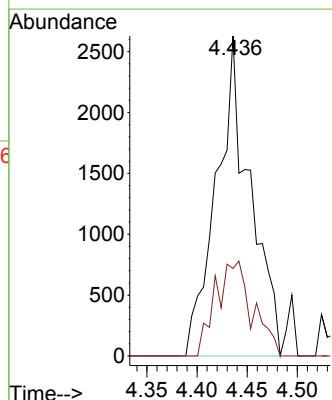
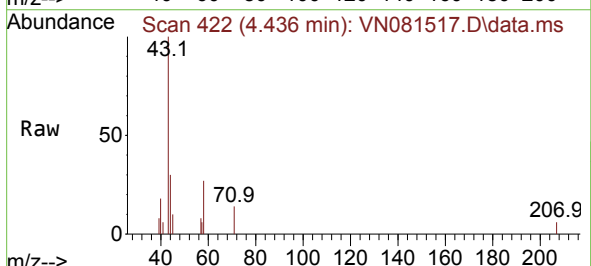
Instrument :
 MSVOA_N
 ClientSampleId :
 50296DL2

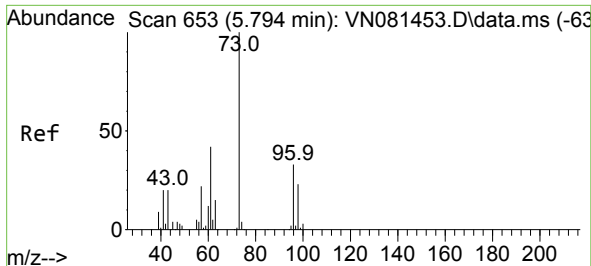
Tgt Ion: 41 Resp: 1635
 Ion Ratio Lower Upper
 41 100
 39 299.9 57.7 86.5#
 76 0.0 26.8 40.2#



#16
 Acetone
 Concen: 2.917 ug/l
 RT: 4.436 min Scan# 422
 Delta R.T. 0.012 min
 Lab File: VN081517.D
 Acq: 21 Mar 2024 14:14

Tgt Ion: 43 Resp: 6128
 Ion Ratio Lower Upper
 43 100
 58 27.3 24.8 37.2

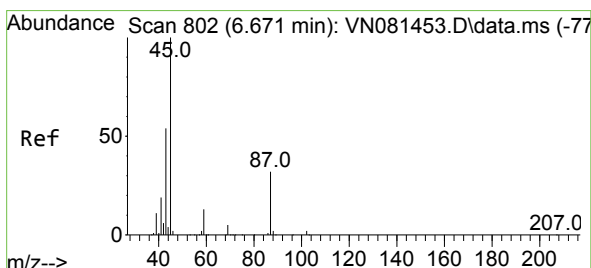
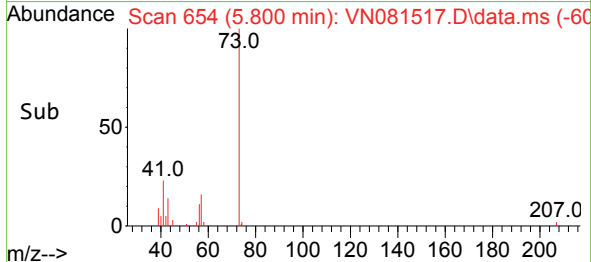
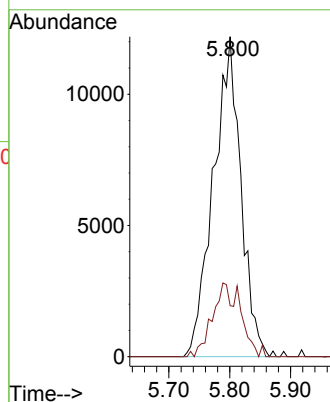
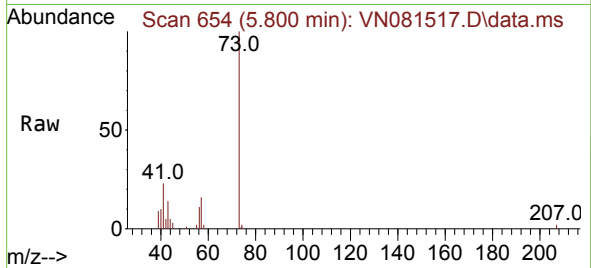




#19
Methyl tert-butyl Ether
Concen: 2.027 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN081517.D
Acq: 21 Mar 2024 14:14

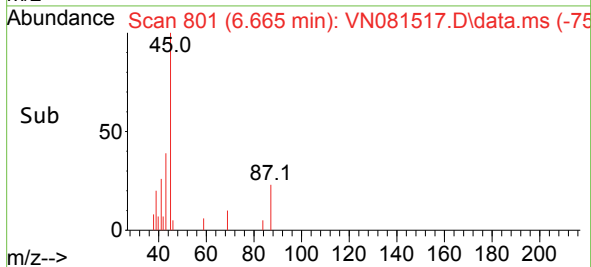
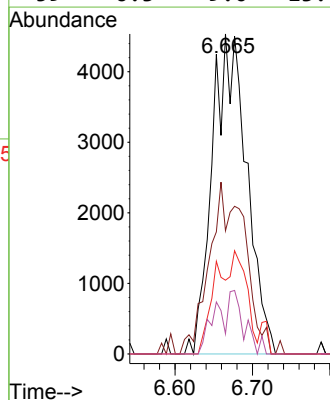
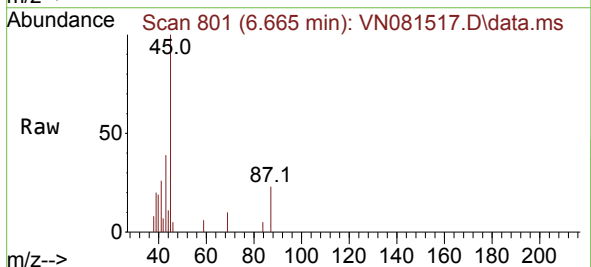
Instrument :
MSVOA_N
ClientSampleId :
50296DL2

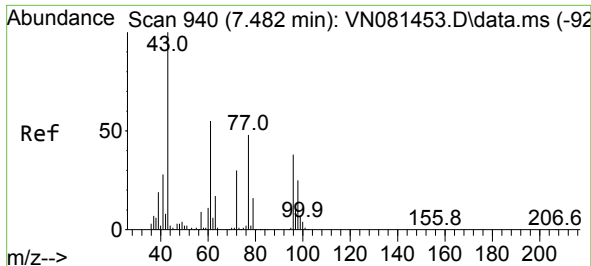
Tgt Ion: 73 Resp: 38170
Ion Ratio Lower Upper
73 100
57 15.9 18.2 27.4#



#22
Diisopropyl ether
Concen: 0.801 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN081517.D
Acq: 21 Mar 2024 14:14

Tgt Ion: 45 Resp: 14025
Ion Ratio Lower Upper
45 100
43 38.5 41.8 62.8#
87 23.0 18.1 27.1
59 6.3 9.0 13.6#

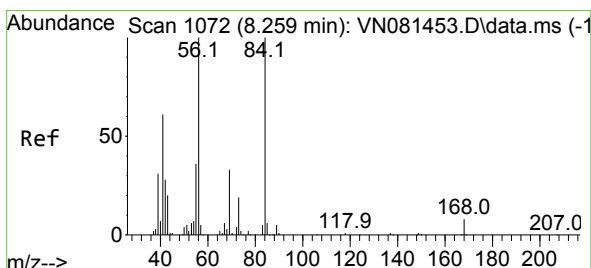
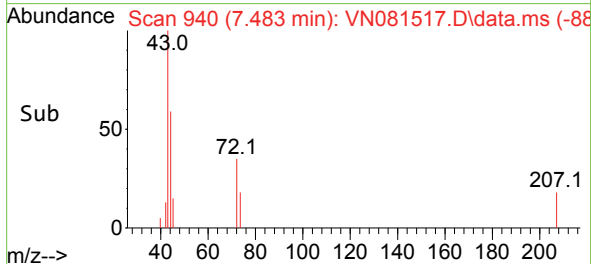
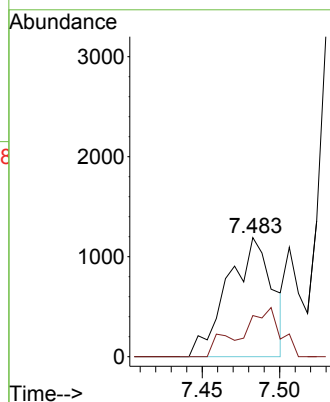
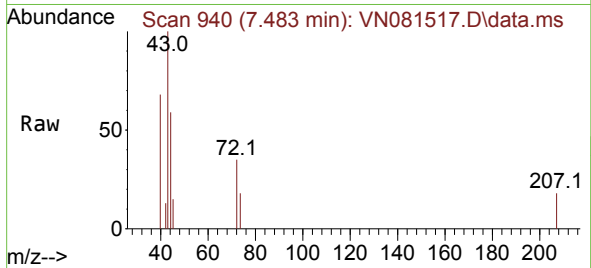




#25
2-Butanone
Concen: 0.659 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN081517.D
Acq: 21 Mar 2024 14:14

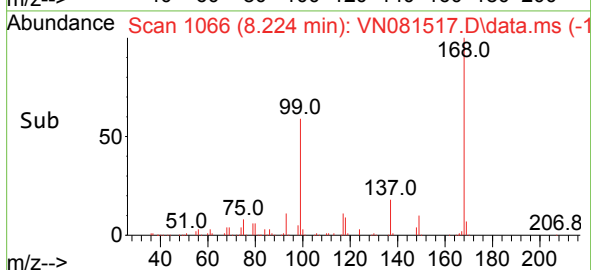
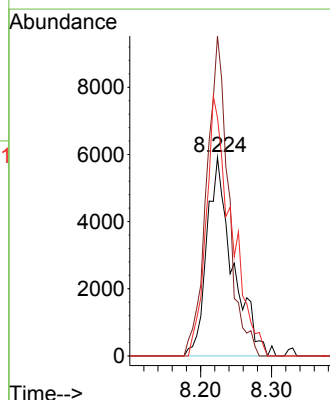
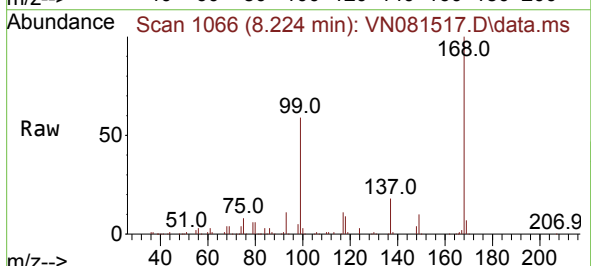
Instrument :
MSVOA_N
ClientSampleId :
50296DL2

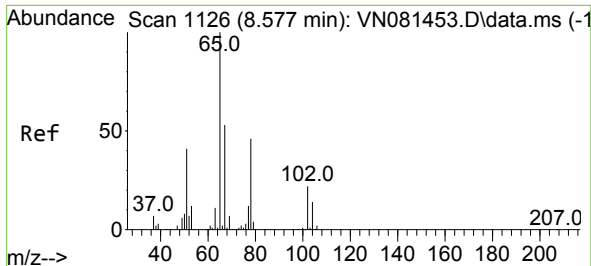
Tgt Ion: 43 Resp: 2376
Ion Ratio Lower Upper
43 100
72 34.6 19.5 29.3#



#31
Cyclohexane
Concen: 1.417 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081517.D
Acq: 21 Mar 2024 14:14

Tgt Ion: 56 Resp: 14987
Ion Ratio Lower Upper
56 100
69 161.1 20.1 30.1#
84 120.0 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 48.069 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081517.D

Acq: 21 Mar 2024 14:14

Instrument :

MSVOA_N

ClientSampleId :

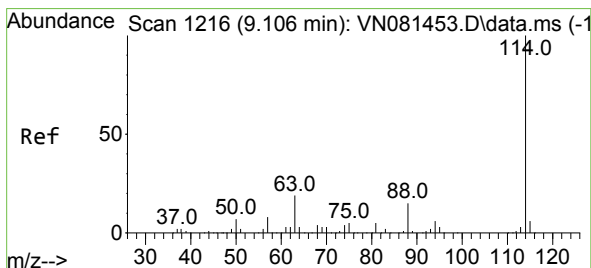
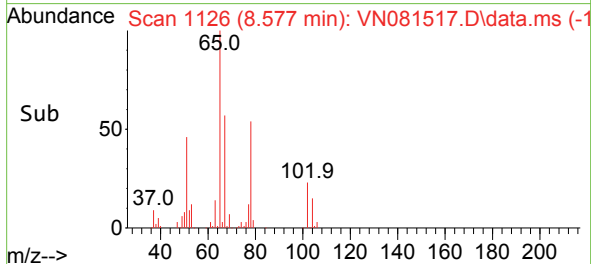
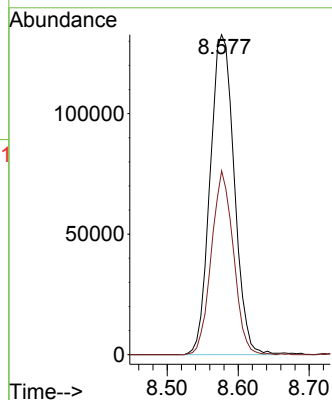
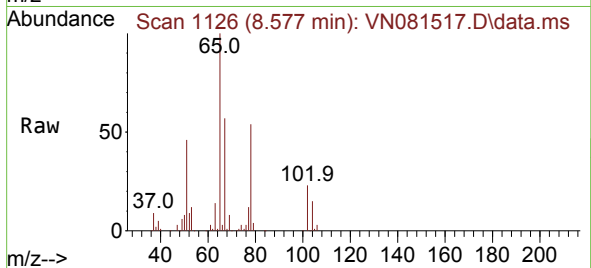
50296DL2

Tgt Ion: 65 Resp: 312467

Ion Ratio Lower Upper

65 100

67 52.6 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN081517.D

Acq: 21 Mar 2024 14:14

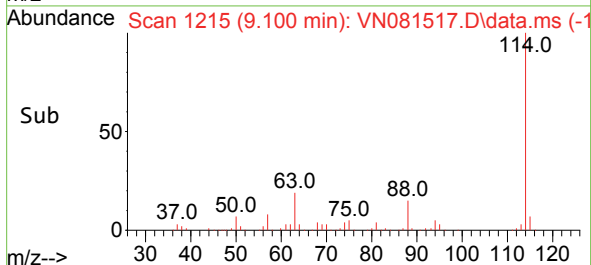
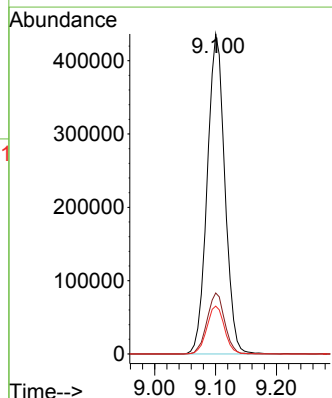
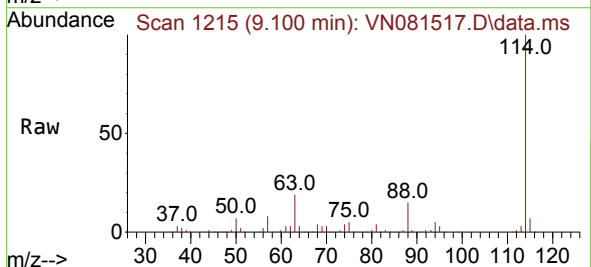
Tgt Ion: 114 Resp: 875146

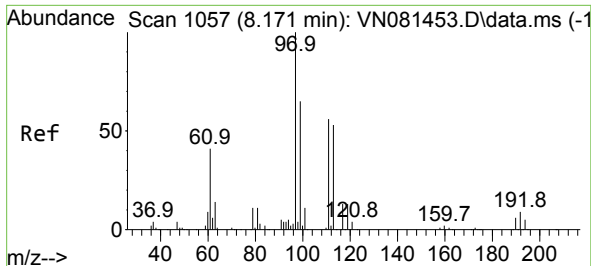
Ion Ratio Lower Upper

114 100

63 19.1 0.0 48.0

88 15.0 0.0 34.8





#35

Dibromofluoromethane

Concen: 48.027 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081517.D

Acq: 21 Mar 2024 14:14

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50296DL2

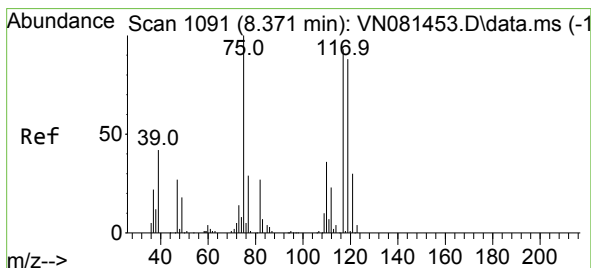
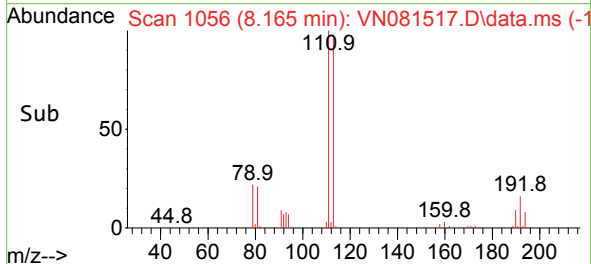
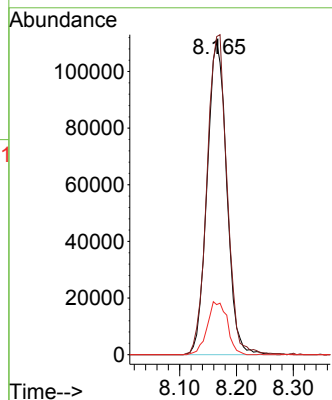
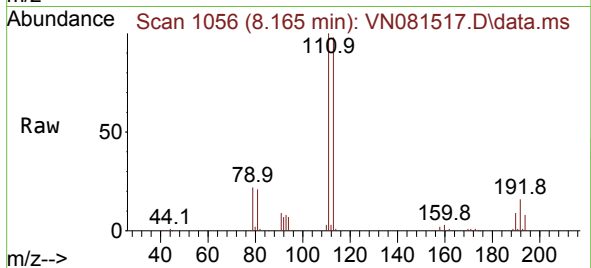
Tgt Ion:113 Resp: 265256

Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.4

192 17.3 12.5 18.7



#36

1,1-Dichloropropene

Concen: 4.373 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081517.D

Acq: 21 Mar 2024 14:14

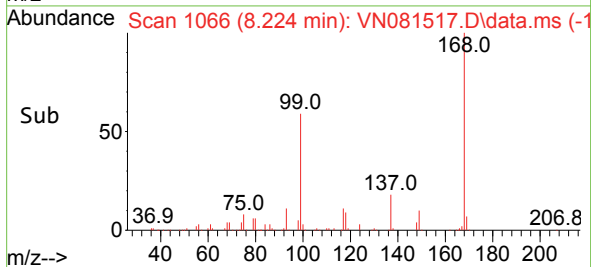
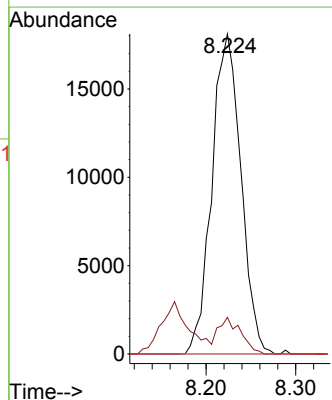
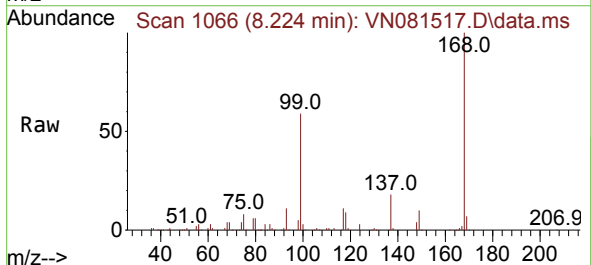
Tgt Ion: 75 Resp: 40647

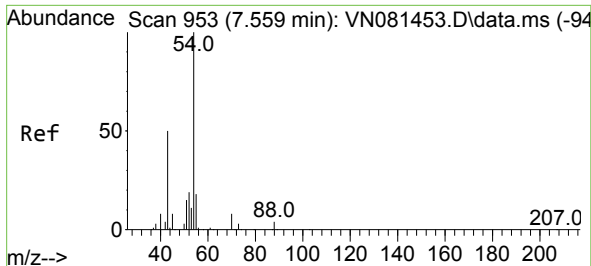
Ion Ratio Lower Upper

75 100

110 8.9 16.0 48.0#

77 0.0 25.8 38.6#





#37

Ethyl Acetate

Concen: 4.732 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN081517.D

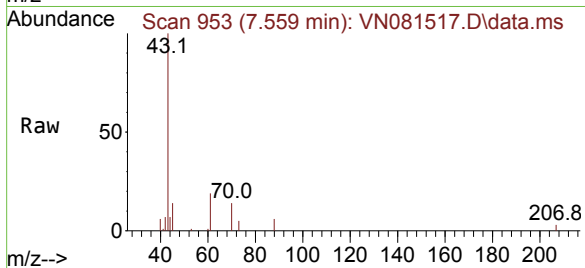
Acq: 21 Mar 2024 14:14

Instrument :

MSVOA_N

ClientSampleId :

50296DL2



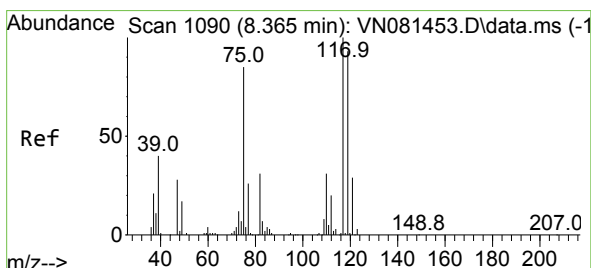
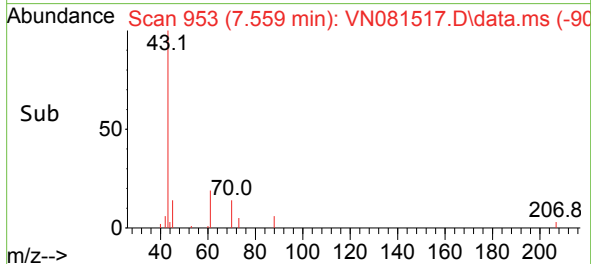
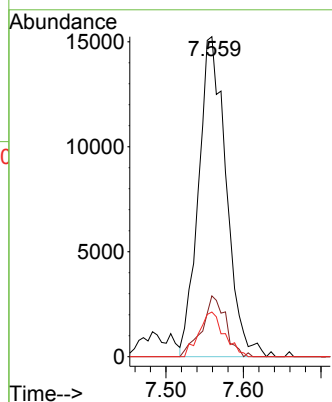
Tgt Ion: 43 Resp: 37659

Ion Ratio Lower Upper

43 100

61 16.4 10.6 15.8#

70 12.7 8.0 12.0#



#38

Carbon Tetrachloride

Concen: 5.504 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN081517.D

Acq: 21 Mar 2024 14:14

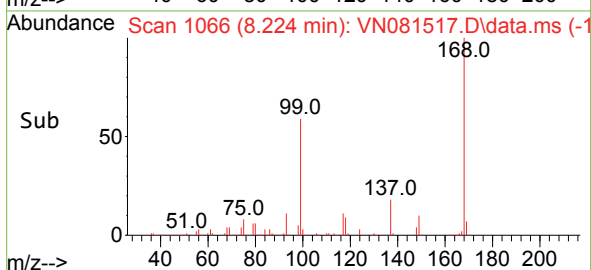
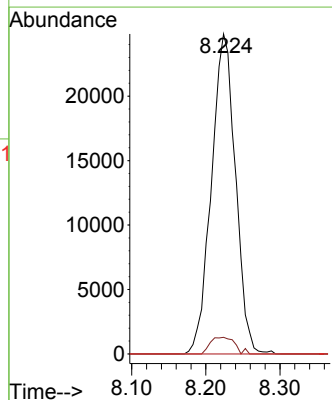
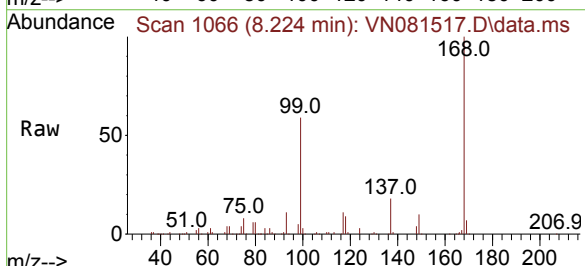
Tgt Ion: 117 Resp: 56040

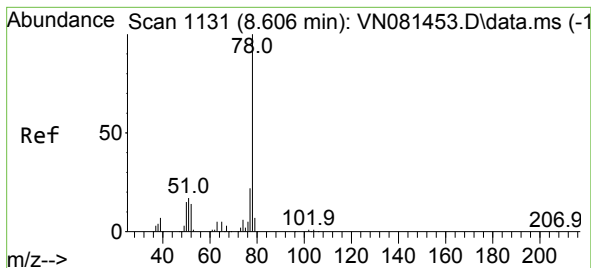
Ion Ratio Lower Upper

117 100

119 5.2 73.4 110.2#

121 0.0 24.4 36.6#





#40

Benzene

Concen: 36.487 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN081517.D

Acq: 21 Mar 2024 14:14

Instrument :

MSVOA_N

ClientSampleId :

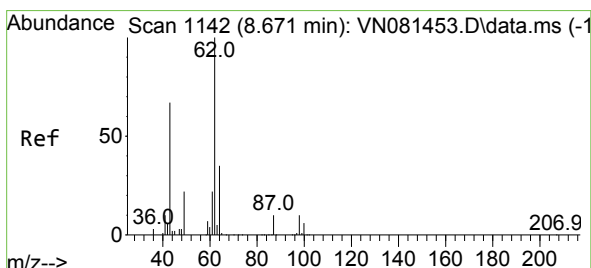
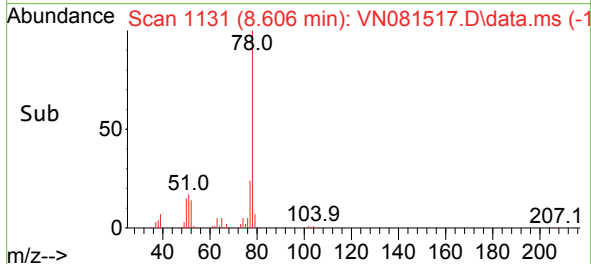
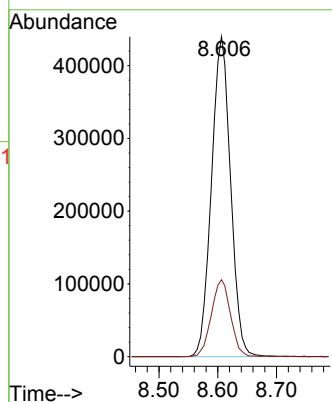
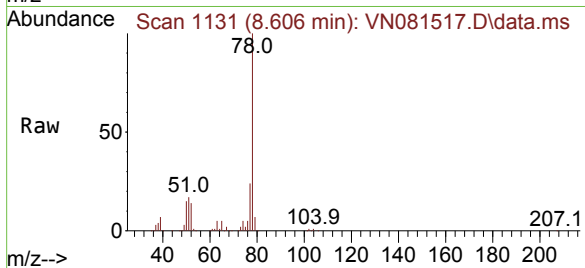
50296DL2

Tgt Ion: 78 Resp: 991475

Ion Ratio Lower Upper

78 100

77 24.0 20.4 30.6



#42

1,2-Dichloroethane

Concen: 0.998 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.064 min

Lab File: VN081517.D

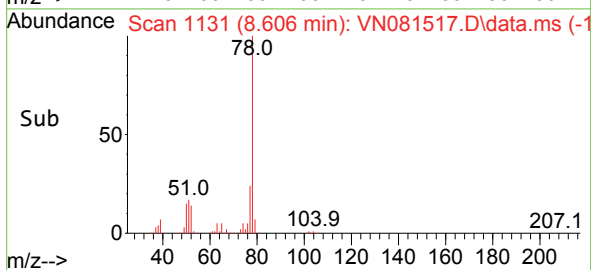
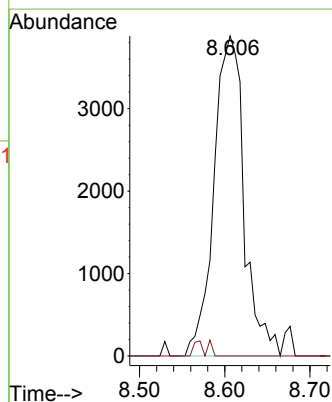
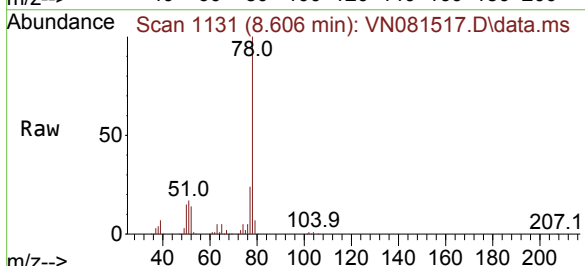
Acq: 21 Mar 2024 14:14

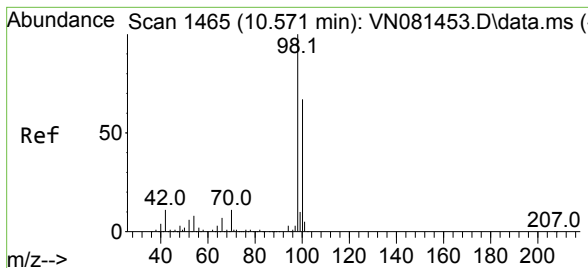
Tgt Ion: 62 Resp: 9545

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0

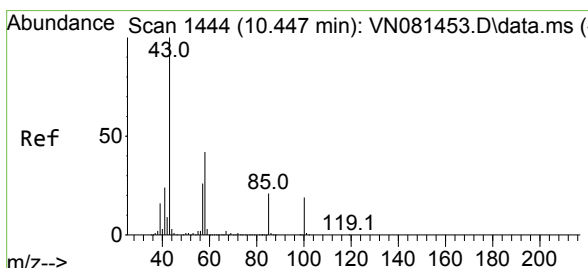
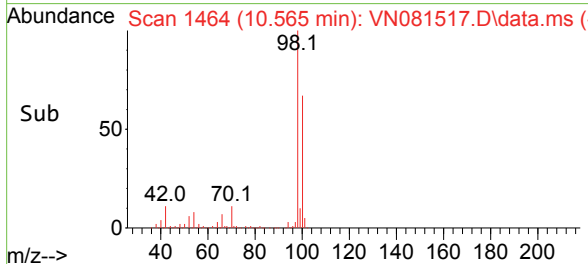
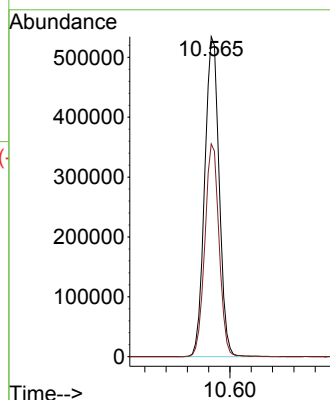
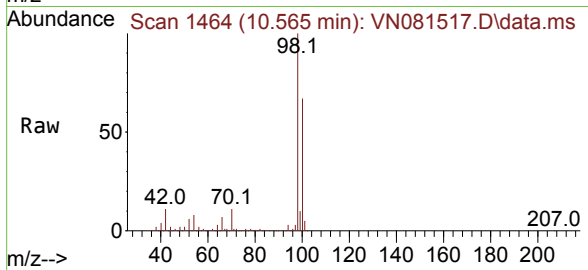




#50
Toluene-d8
Concen: 50.384 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081517.D
Acq: 21 Mar 2024 14:14

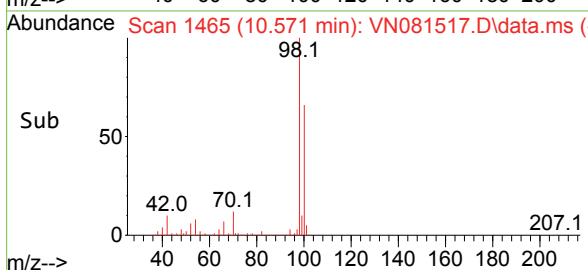
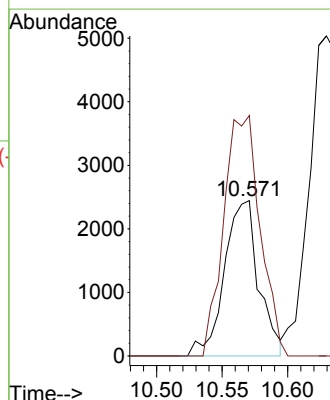
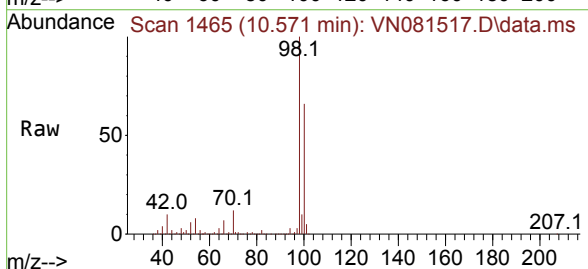
Instrument :
MSVOA_N
ClientSampleId :
50296DL2

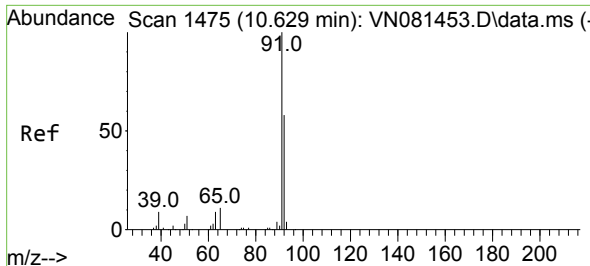
Tgt Ion: 98 Resp: 1005931
Ion Ratio Lower Upper
98 100
100 65.5 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.553 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN081517.D
Acq: 21 Mar 2024 14:14

Tgt Ion: 43 Resp: 4449
Ion Ratio Lower Upper
43 100
58 164.3 29.4 44.0#

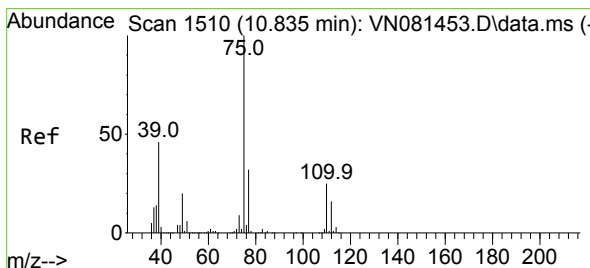
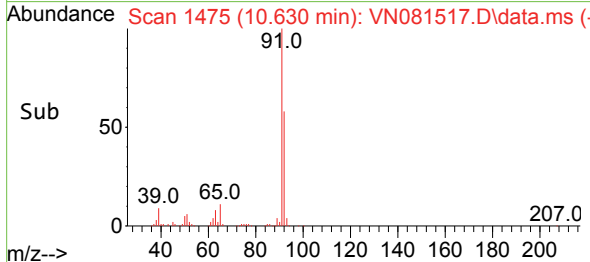
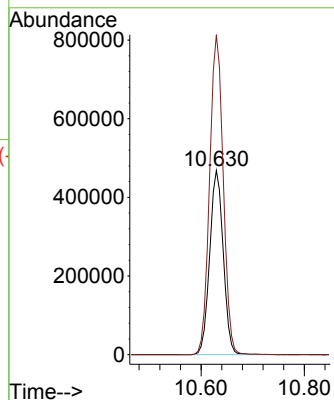
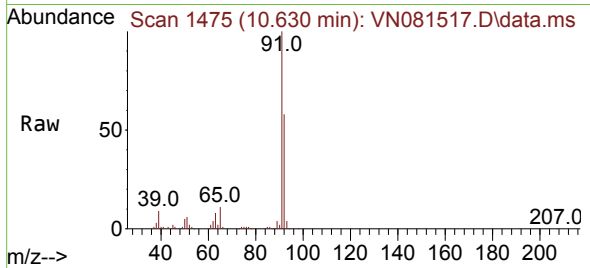




#52
Toluene
Concen: 49.266 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081517.D
Acq: 21 Mar 2024 14:14

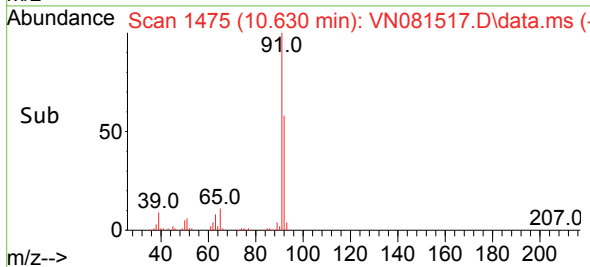
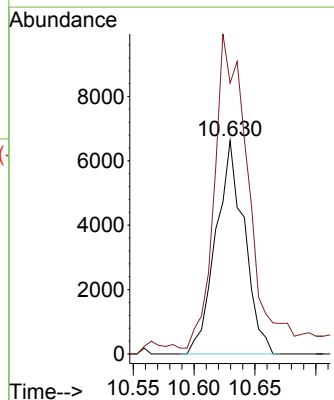
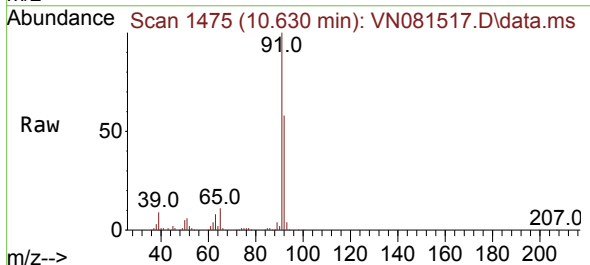
Instrument :
MSVOA_N
ClientSampleId :
50296DL2

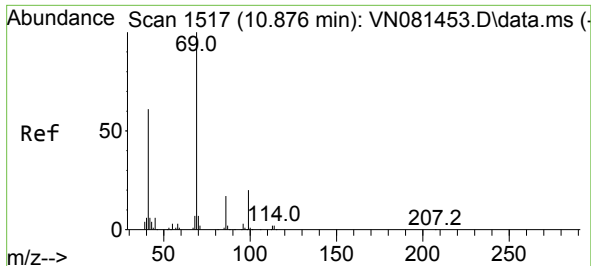
Tgt Ion: 92 Resp: 850894
Ion Ratio Lower Upper
92 100
91 174.9 139.4 209.0



#53
t-1,3-Dichloropropene
Concen: 1.021 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. -0.206 min
Lab File: VN081517.D
Acq: 21 Mar 2024 14:14

Tgt Ion: 75 Resp: 10779
Ion Ratio Lower Upper
75 100
77 124.3 25.5 38.3#

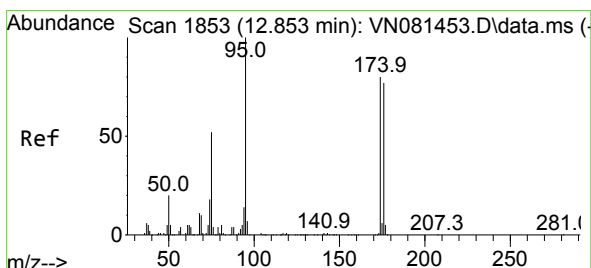
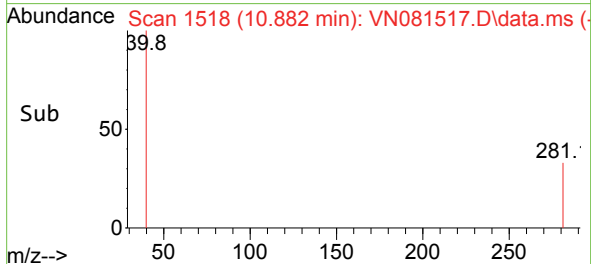
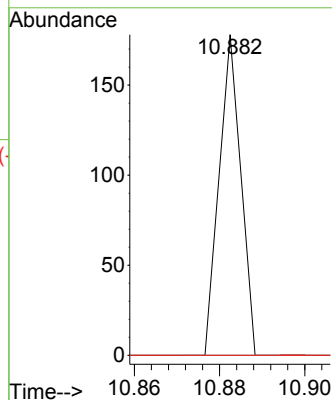
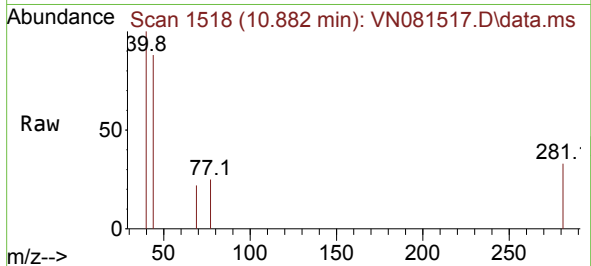




#56
Ethyl methacrylate
Concen: 0.577 ug/l
RT: 10.882 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081517.D
Acq: 21 Mar 2024 14:14

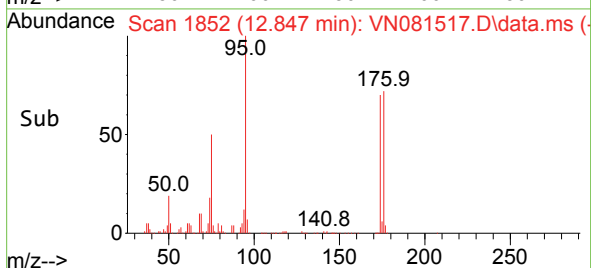
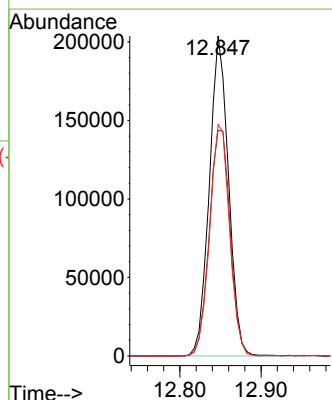
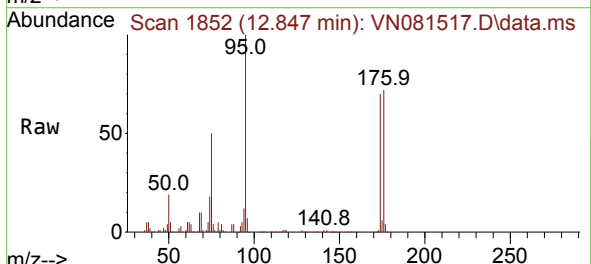
Instrument :
MSVOA_N
ClientSampleId :
50296DL2

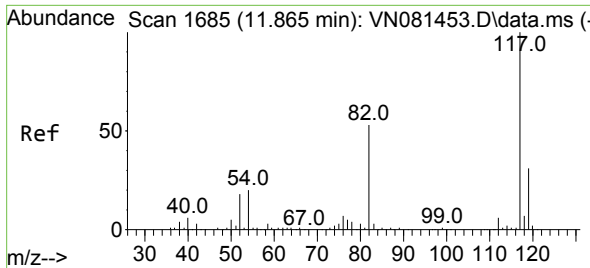
Tgt Ion: 69 Resp: 63
Ion Ratio Lower Upper
69 100
41 0.0 61.0 91.6#
39 0.0 31.8 47.6#



#62
4-Bromofluorobenzene
Concen: 47.418 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081517.D
Acq: 21 Mar 2024 14:14

Tgt Ion: 95 Resp: 333587
Ion Ratio Lower Upper
95 100
174 77.0 0.0 120.4
176 74.7 0.0 121.0

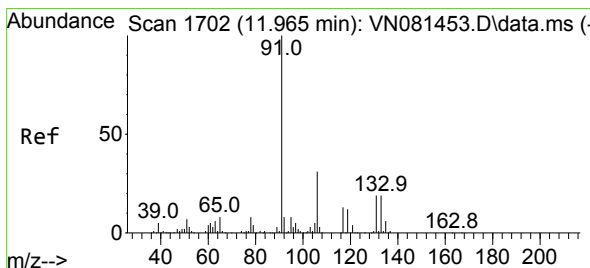
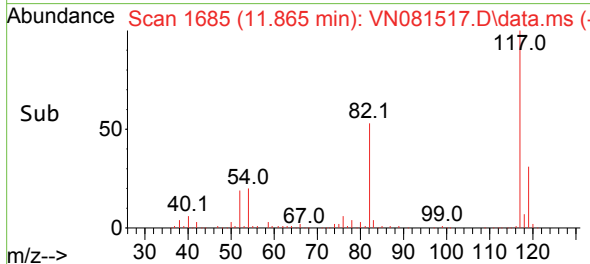
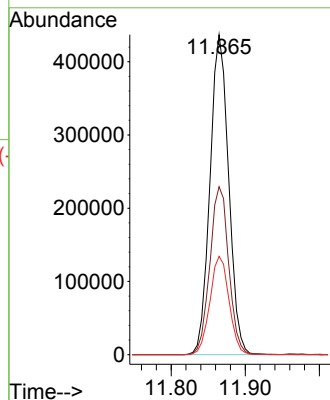
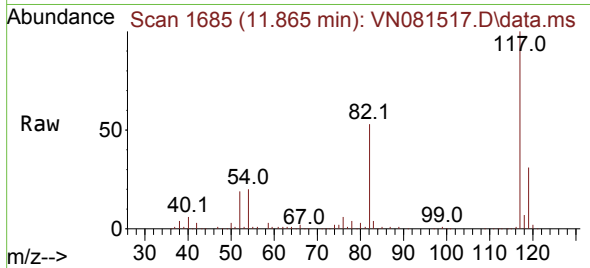




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081517.D
Acq: 21 Mar 2024 14:14

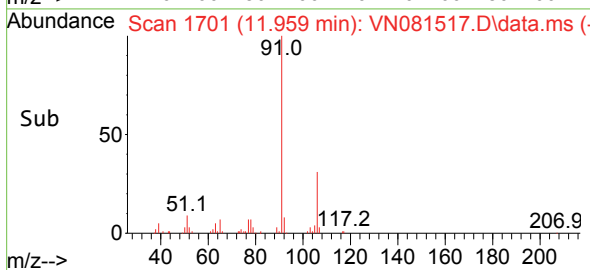
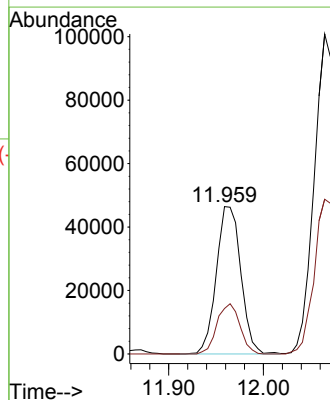
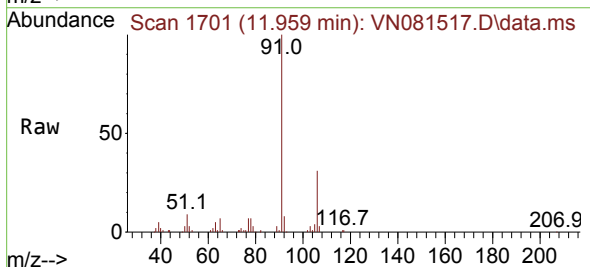
Instrument :
MSVOA_N
ClientSampleId :
50296DL2

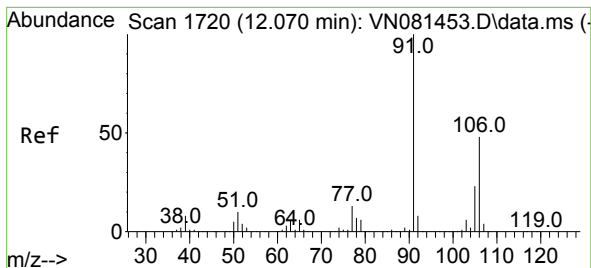
Tgt Ion:117 Resp: 763303
Ion Ratio Lower Upper
117 100
82 52.5 52.7 79.1#
119 30.8 25.3 37.9



#67
Ethyl Benzene
Concen: 2.663 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN081517.D
Acq: 21 Mar 2024 14:14

Tgt Ion: 91 Resp: 83467
Ion Ratio Lower Upper
91 100
106 30.8 23.8 35.6





#68

m/p-Xylenes

Concen: 8.202 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.006 min

Lab File: VN081517.D

Acq: 21 Mar 2024 14:14

Instrument :

MSVOA_N

ClientSampleId :

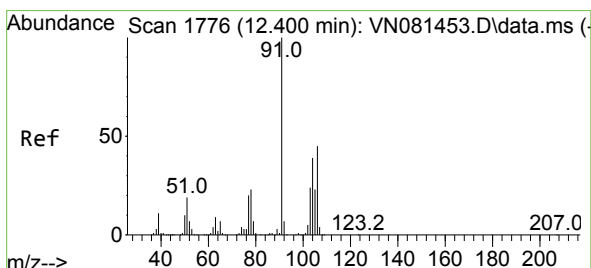
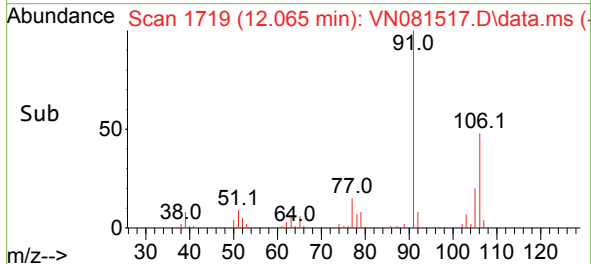
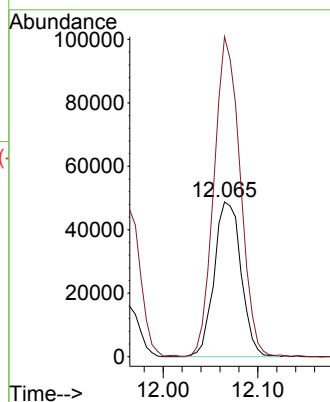
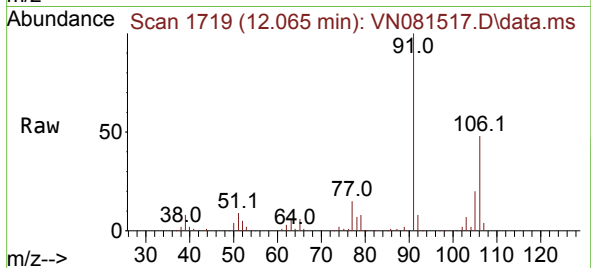
50296DL2

Tgt Ion:106 Resp: 96375

Ion Ratio Lower Upper

106 100

91 200.5 169.0 253.6



#69

o-Xylene

Concen: 3.687 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VN081517.D

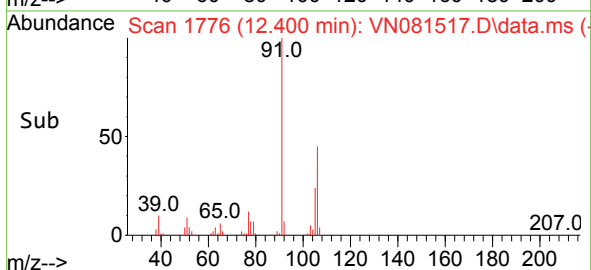
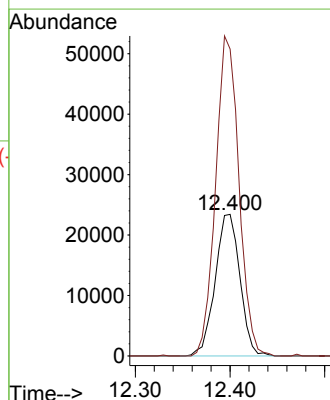
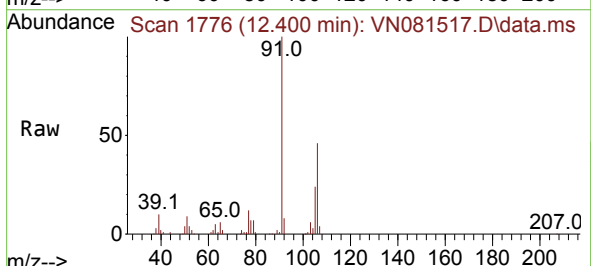
Acq: 21 Mar 2024 14:14

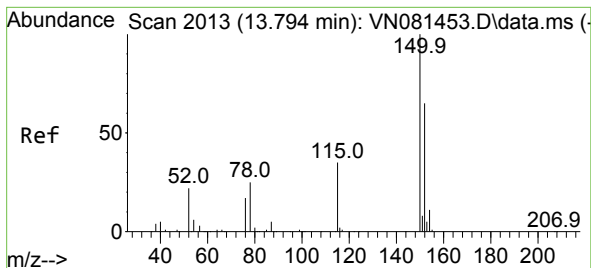
Tgt Ion:106 Resp: 42533

Ion Ratio Lower Upper

106 100

91 212.7 112.1 336.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN081517.D

Acq: 21 Mar 2024 14:14

Instrument :

MSVOA_N

ClientSampleId :

50296DL2

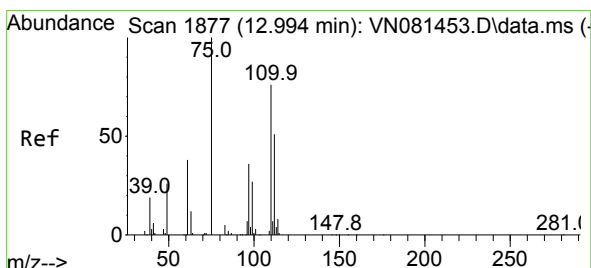
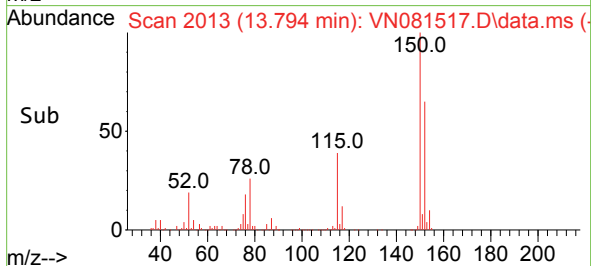
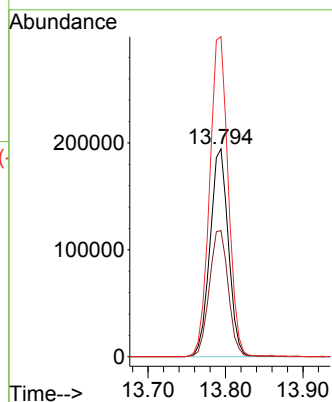
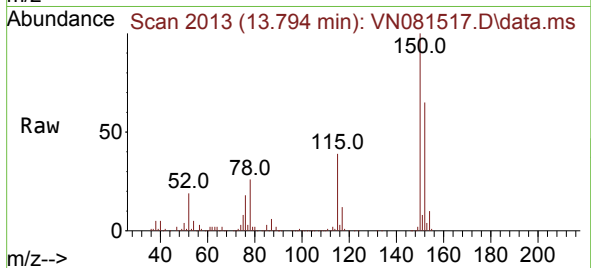
Tgt Ion:152 Resp: 321285

Ion Ratio Lower Upper

152 100

115 62.8 32.3 96.8

150 155.4 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 23.008 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081517.D

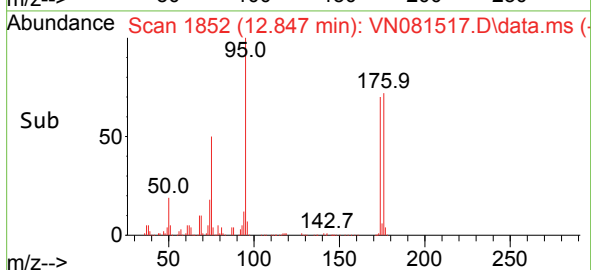
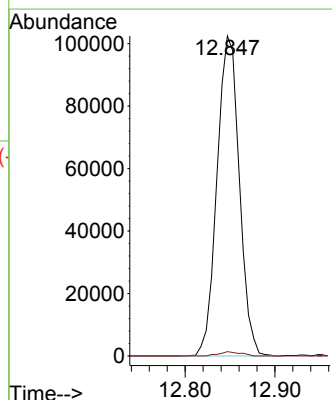
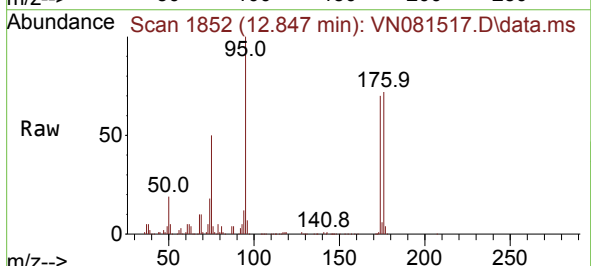
Acq: 21 Mar 2024 14:14

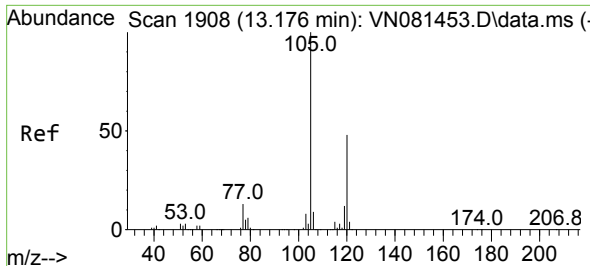
Tgt Ion: 75 Resp: 176826

Ion Ratio Lower Upper

75 100

77 1.3 91.0 272.8#

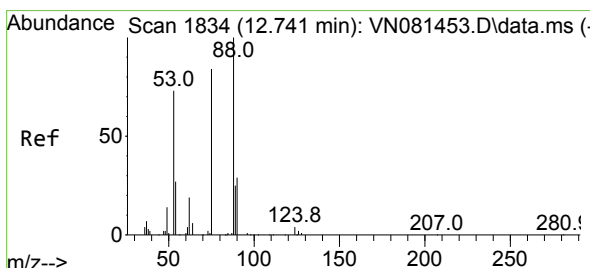
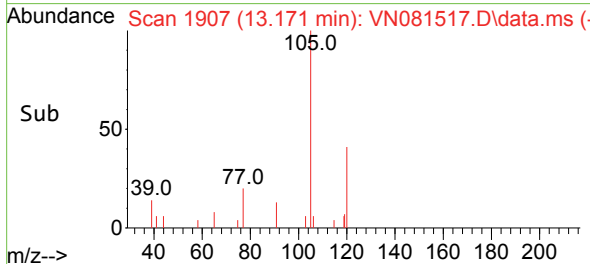
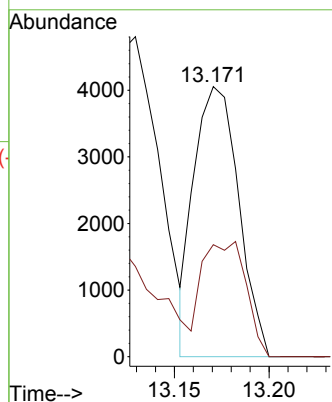
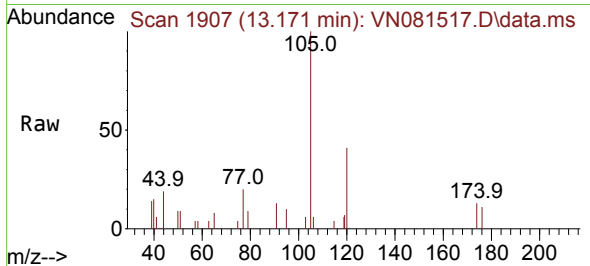




#80
1,3,5-Trimethylbenzene
Concen: 0.293 ug/l
RT: 13.171 min Scan# 1908
Delta R.T. -0.006 min
Lab File: VN081517.D
Acq: 21 Mar 2024 14:14

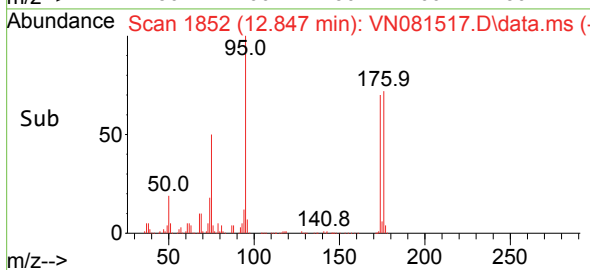
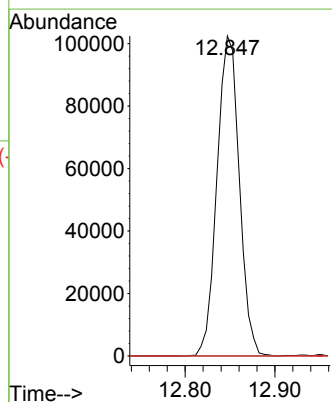
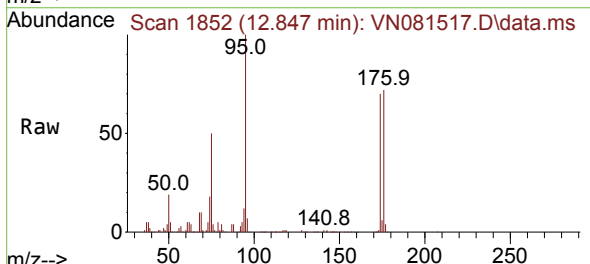
Instrument :
MSVOA_N
ClientSampleId :
50296DL2

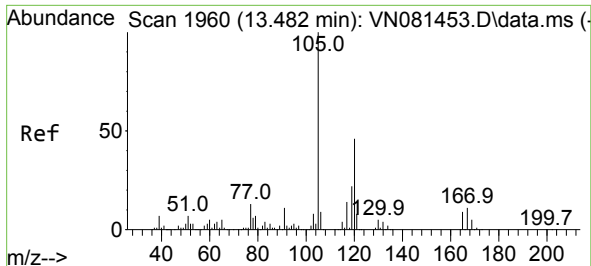
Tgt Ion:105 Resp: 6621
Ion Ratio Lower Upper
105 100
120 41.7 23.0 69.0



#81
trans-1,4-Dichloro-2-butene
Concen: 62.176 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081517.D
Acq: 21 Mar 2024 14:14

Tgt Ion: 75 Resp: 176826
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

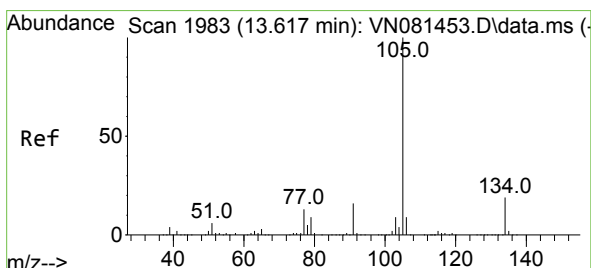
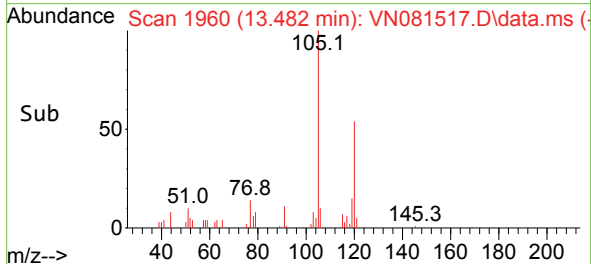
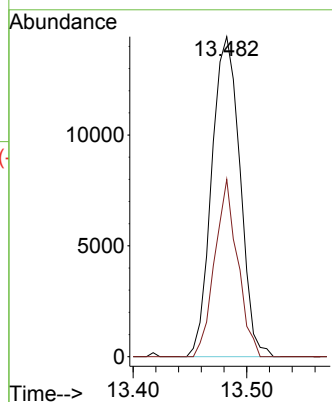
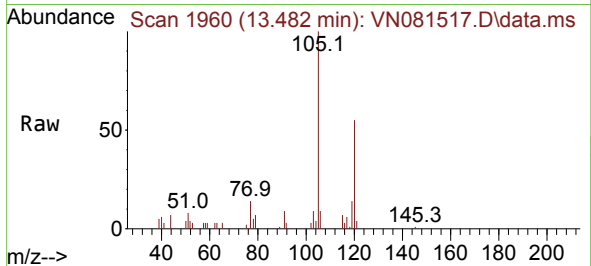




#84
1,2,4-Trimethylbenzene
Concen: 1.096 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN081517.D
Acq: 21 Mar 2024 14:14

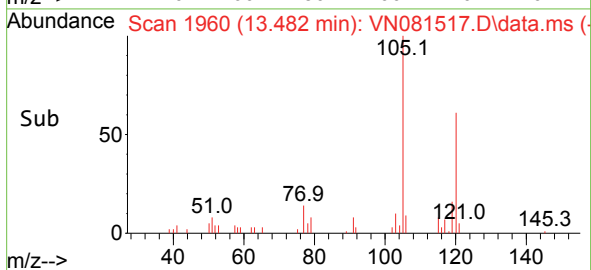
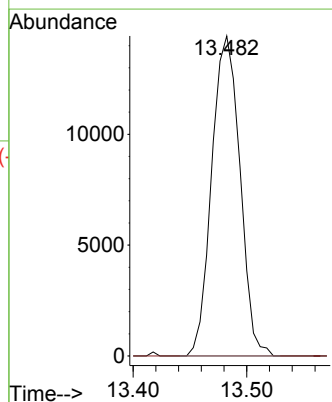
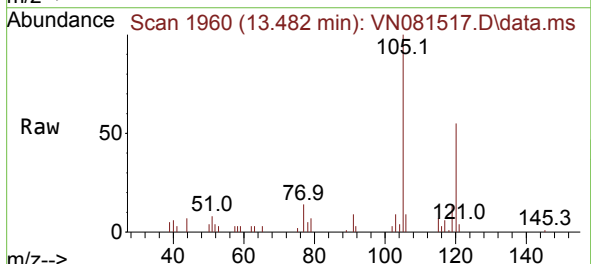
Instrument :
MSVOA_N
ClientSampleId :
50296DL2

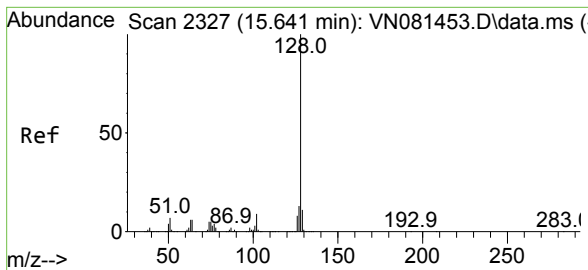
Tgt Ion:105 Resp: 24916
Ion Ratio Lower Upper
105 100
120 45.0 20.9 62.7



#85
sec-Butylbenzene
Concen: 0.894 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.135 min
Lab File: VN081517.D
Acq: 21 Mar 2024 14:14

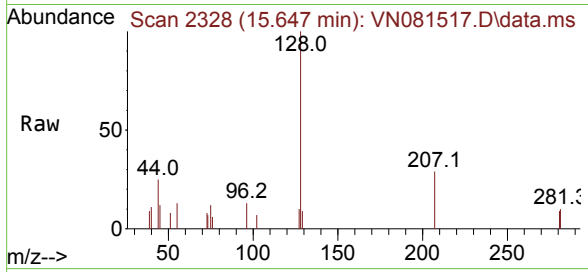
Tgt Ion:105 Resp: 24916
Ion Ratio Lower Upper
105 100
134 0.0 8.6 25.8#





#95
Naphthalene
Concen: 0.216 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN081517.D
Acq: 21 Mar 2024 14:14

Instrument :
MSVOA_N
ClientSampleId :
50296DL2



Tgt Ion:128 Resp: 4833
Ion Ratio Lower Upper
128 100
127 9.7 10.0 15.0#
129 8.4 8.7 13.1#

