

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012924\
 Data File : VN080796.D
 Acq On : 29 Jan 2024 17:18
 Operator : JC\MD
 Sample : P1258-01DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 50234DL

Quant Time: Jan 30 01:30:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

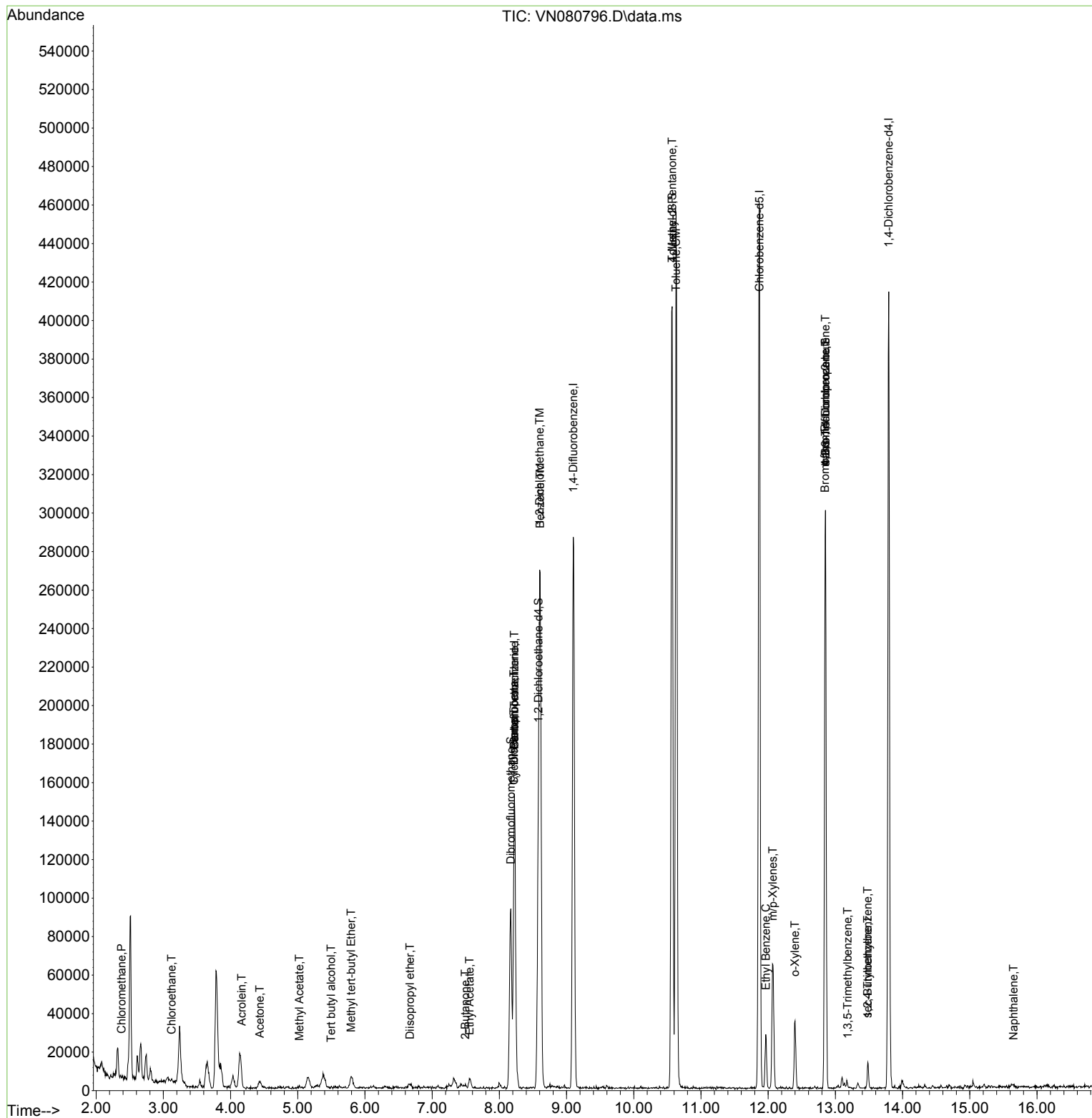
Internal Standards						
1) Pentafluorobenzene	8.224	168	95269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	229599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	241341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	93786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	82235	49.896	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.800%		
35) Dibromofluoromethane	8.171	113	64179	45.689	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.380%		
50) Toluene-d8	10.571	98	270632	49.225	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.440%		
62) 4-Bromofluorobenzene	12.853	95	104107	54.339	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.680%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1722	0.810	ug/l	99
6) Chloroethane	3.124	64	434	0.503	ug/l #	42
11) Tert butyl alcohol	5.494	59	69	0.257	ug/l #	72
13) Acrolein	4.165	56	239	0.705	ug/l #	15
16) Acetone	4.436	43	6109	10.220	ug/l #	63
18) Methyl Acetate	5.024	43	714	0.343	ug/l #	54
19) Methyl tert-butyl Ether	5.794	73	6825	1.448	ug/l #	84
22) Diisopropyl ether	6.671	45	1904	0.326	ug/l #	69
25) 2-Butanone	7.494	43	3853	3.394	ug/l	98
31) Cyclohexane	8.218	56	3829	1.355	ug/l #	62
36) 1,1-Dichloropropene	8.218	75	10709	4.102	ug/l #	50
37) Ethyl Acetate	7.559	43	8020	2.984	ug/l #	87
38) Carbon Tetrachloride	8.224	117	11882	5.648	ug/l #	17
40) Benzene	8.606	78	246412	32.112	ug/l	100
42) 1,2-Dichloroethane	8.600	62	2446	0.978	ug/l #	75
51) 4-Methyl-2-Pentanone	10.571	43	1900	0.695	ug/l #	1
52) Toluene	10.629	92	182576	41.497	ug/l	98
67) Ethyl Benzene	11.965	91	19270	1.968	ug/l	90
68) m/p-Xylenes	12.070	106	20278	5.833	ug/l	99
69) o-Xylene	12.400	106	8900	2.576	ug/l	100
71) Bromoform	12.847	173	438	0.378	ug/l #	30
76) 1,2,3-Trichloropropane	12.853	75	60237	21.296	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.182	105	1798	0.263	ug/l	70
81) trans-1,4-Dichloro-2-b...	12.853	75	60237	54.862	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.482	105	6940	1.001	ug/l	95
85) sec-Butylbenzene	13.482	105	6940	0.862	ug/l #	60
95) Naphthalene	15.653	128	2116	0.357	ug/l #	86

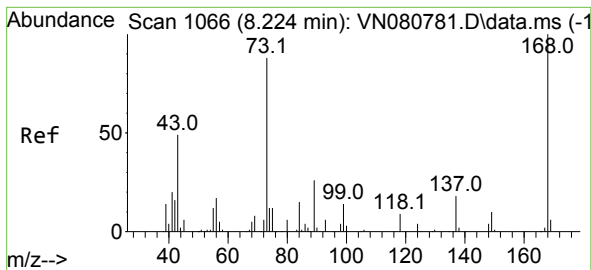
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jan 29 12:54:23 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: VN080796.D

Acq: 29 Jan 2024 17:18

Instrument :

MSVOA_N

ClientSampleId :

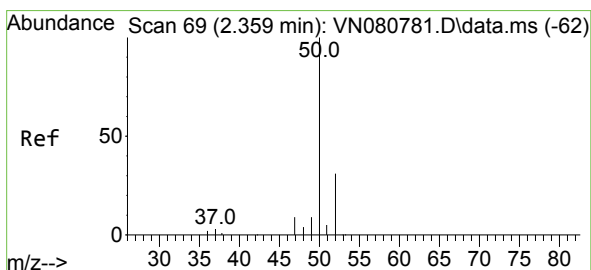
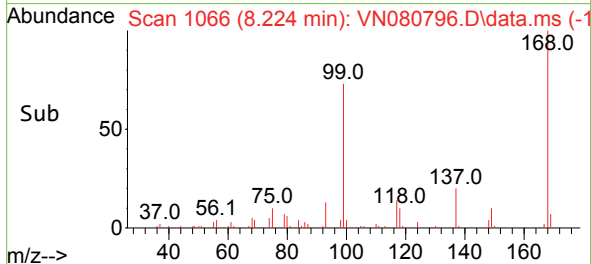
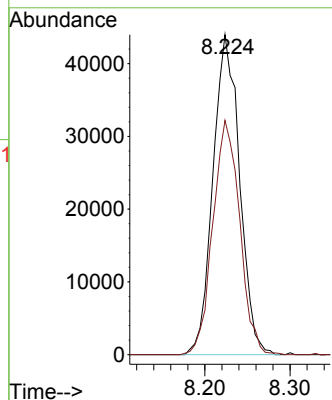
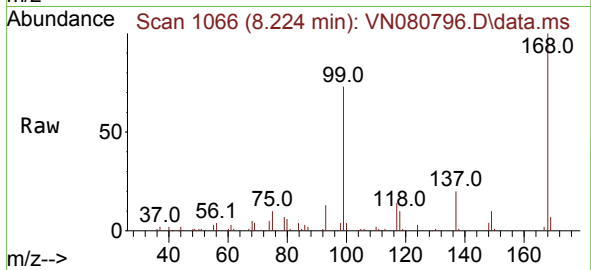
50234DL

Tgt Ion:168 Resp: 95269

Ion Ratio Lower Upper

168 100

99 73.2 59.9 89.9



#3

Chloromethane

Concen: 0.810 ug/l

RT: 2.377 min Scan# 72

Delta R.T. 0.018 min

Lab File: VN080796.D

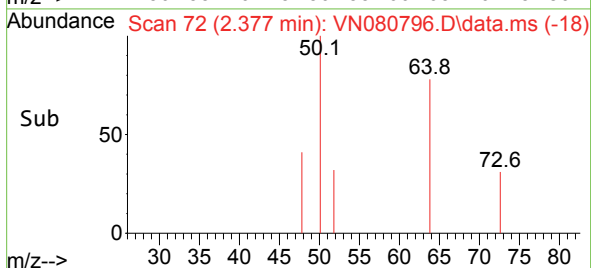
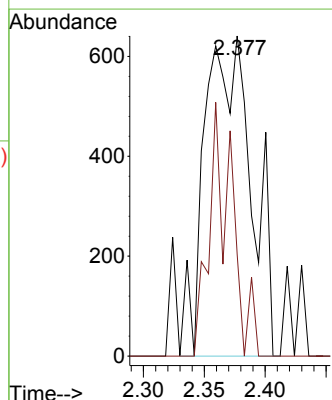
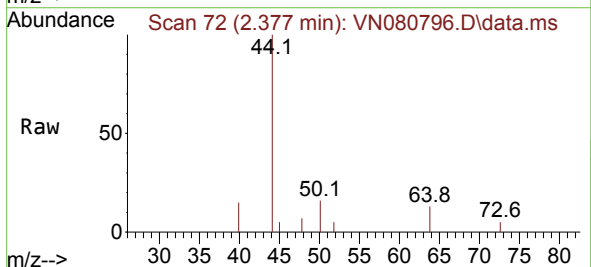
Acq: 29 Jan 2024 17:18

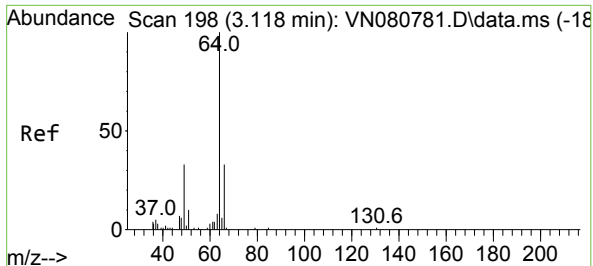
Tgt Ion: 50 Resp: 1722

Ion Ratio Lower Upper

50 100

52 31.8 25.0 37.4

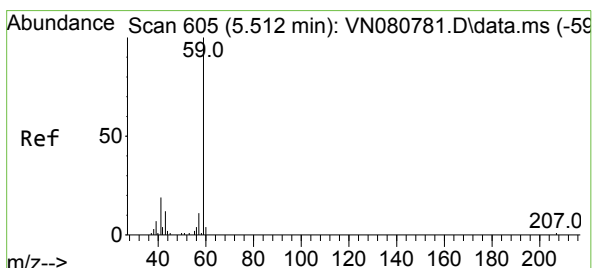
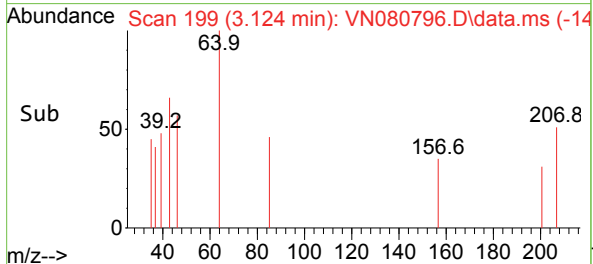
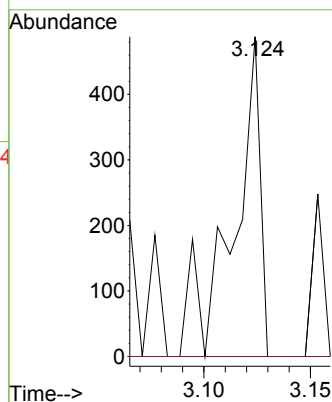
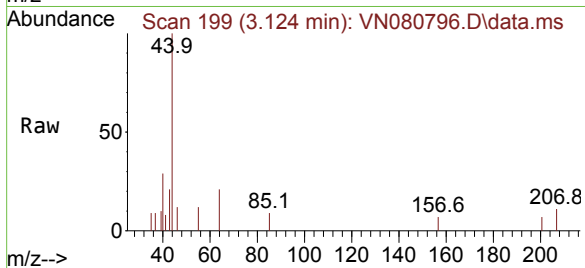




#6
Chloroethane
Concen: 0.503 ug/l
RT: 3.124 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN080796.D
Acq: 29 Jan 2024 17:18

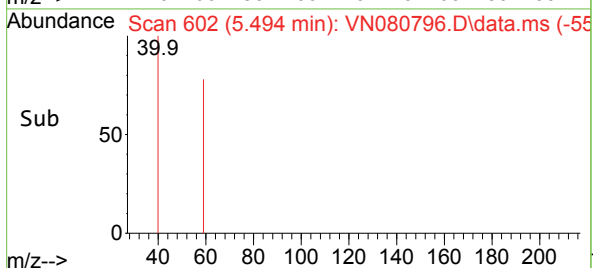
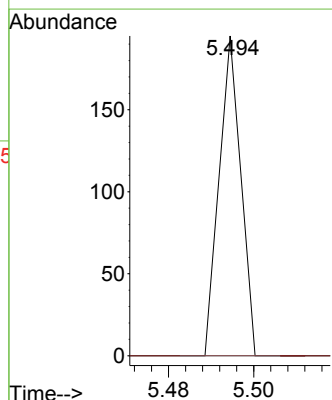
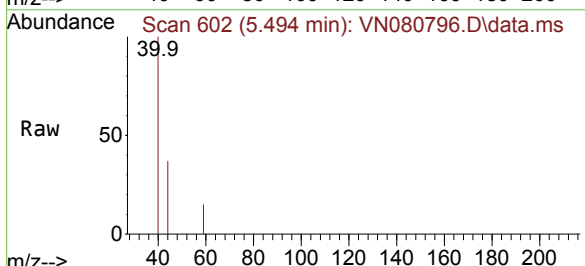
Instrument :
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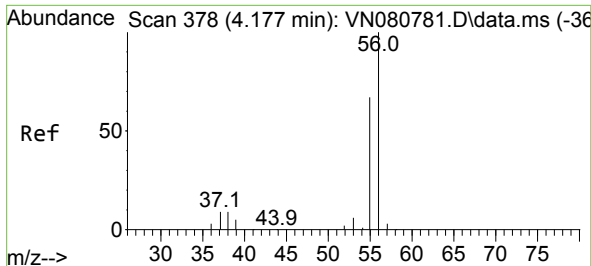
Tgt Ion: 64 Resp: 434
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 0.257 ug/l
RT: 5.494 min Scan# 602
Delta R.T. -0.018 min
Lab File: VN080796.D
Acq: 29 Jan 2024 17:18

Tgt Ion: 59 Resp: 69
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

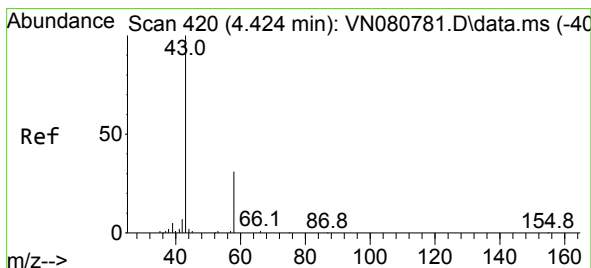
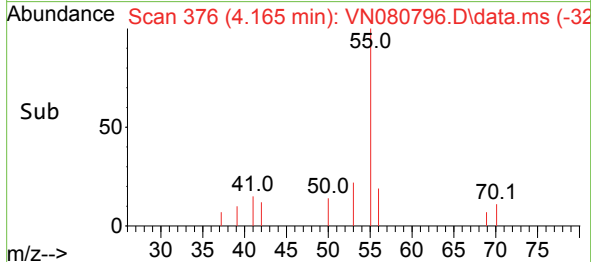
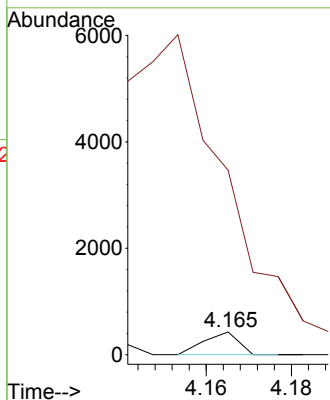
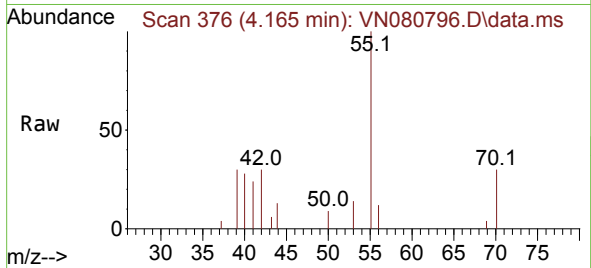




#13
Acrolein
Concen: 0.705 ug/l
RT: 4.165 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN080796.D
Acq: 29 Jan 2024 17:18

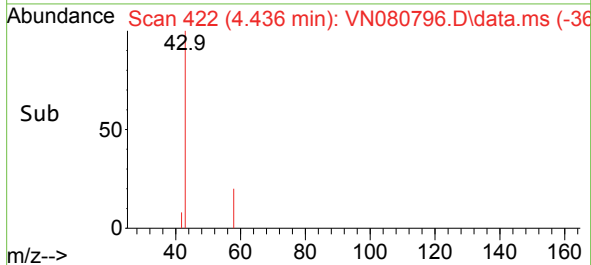
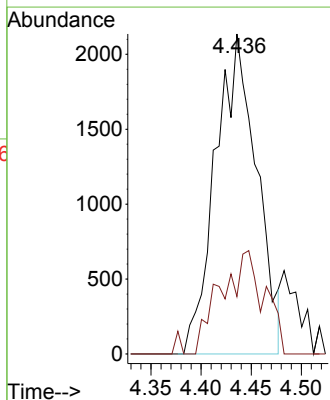
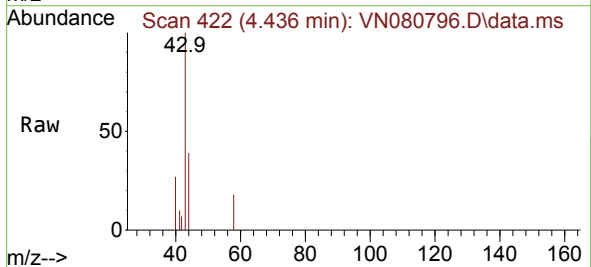
Instrument :
MSVOA_N
ClientSampleId :
50234DL

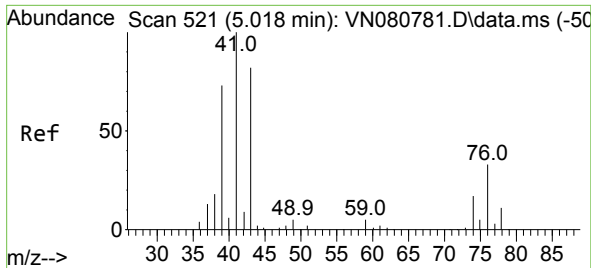
Tgt Ion: 56 Resp: 239
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



#16
Acetone
Concen: 10.220 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN080796.D
Acq: 29 Jan 2024 17:18

Tgt Ion: 43 Resp: 6109
Ion Ratio Lower Upper
43 100
58 10.8 24.8 37.2#

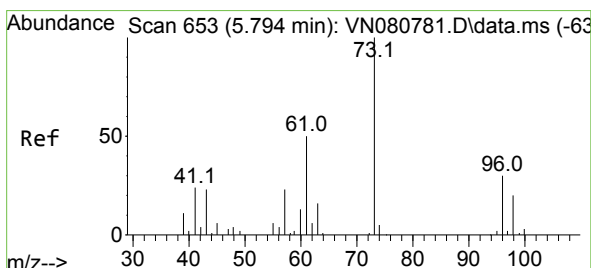
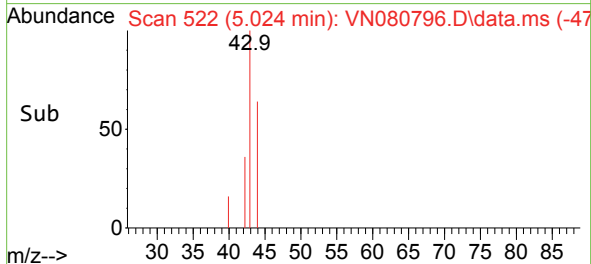
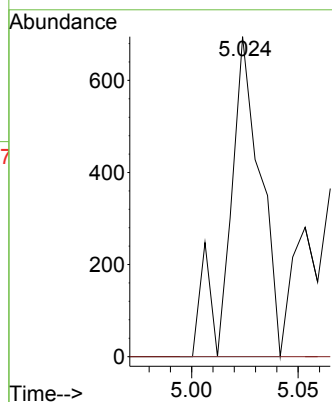
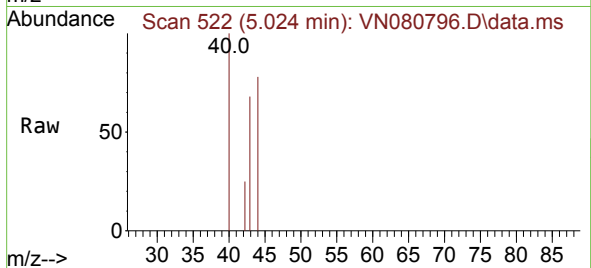




#18
Methyl Acetate
Concen: 0.343 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080796.D
Acq: 29 Jan 2024 17:18

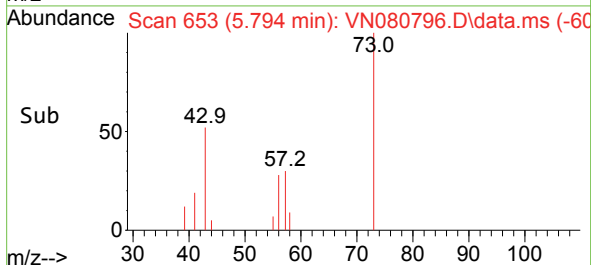
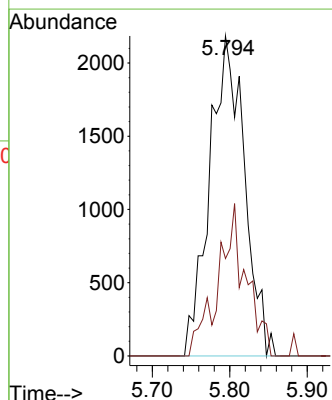
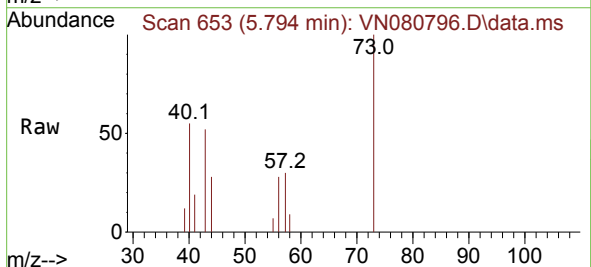
Instrument :
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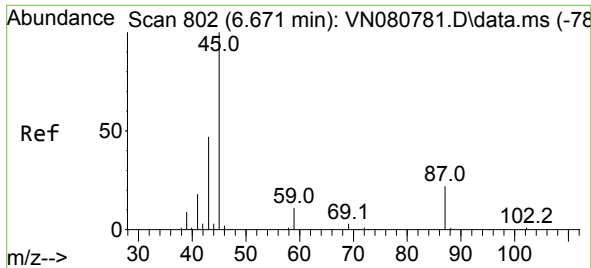
Tgt Ion: 43 Resp: 714
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#



#19
Methyl tert-butyl Ether
Concen: 1.448 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN080796.D
Acq: 29 Jan 2024 17:18

Tgt Ion: 73 Resp: 6825
Ion Ratio Lower Upper
73 100
57 30.4 18.2 27.4#

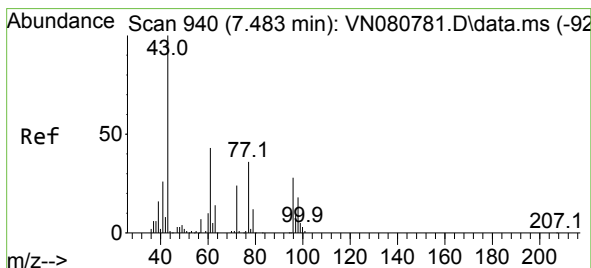
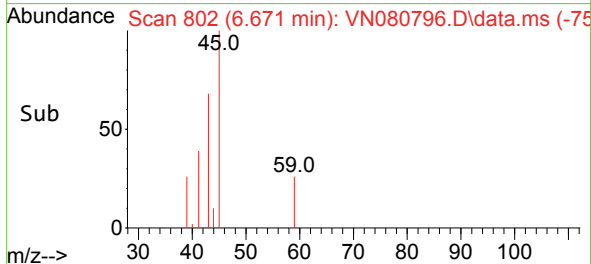
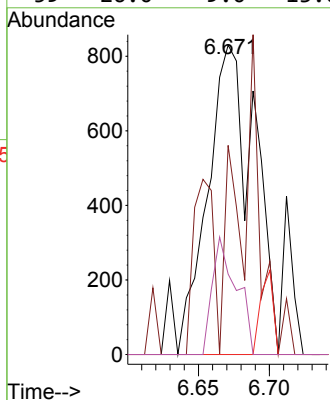
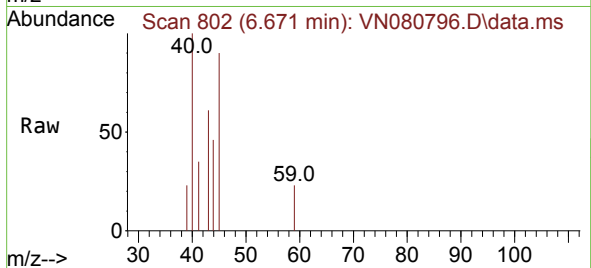




#22
Diisopropyl ether
Concen: 0.326 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN080796.D
Acq: 29 Jan 2024 17:18

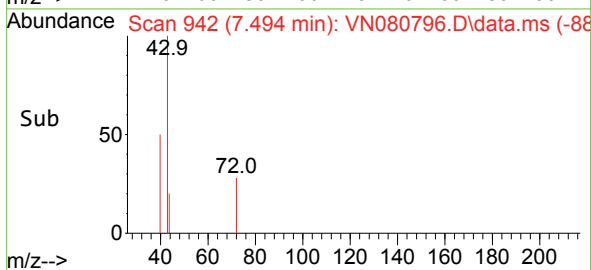
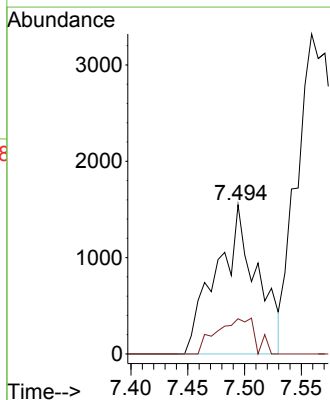
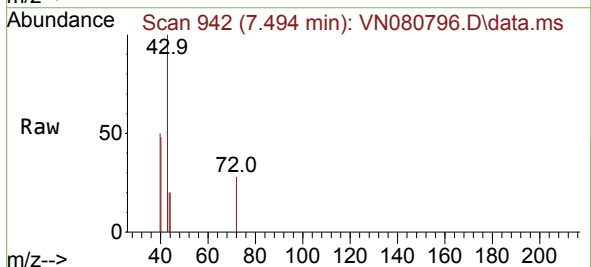
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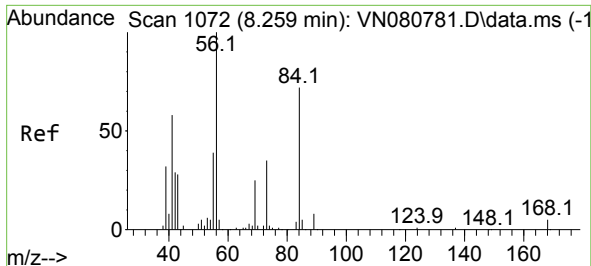
Tgt Ion:	45	Resp:	1904
Ion	Ratio	Lower	Upper
45	100		
43	67.6	41.8	62.8#
87	0.0	18.1	27.1#
59	26.0	9.0	13.6#



#25
2-Butanone
Concen: 3.394 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN080796.D
Acq: 29 Jan 2024 17:18

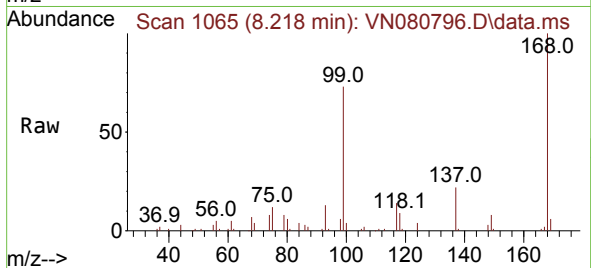
Tgt Ion:	43	Resp:	3853
Ion	Ratio	Lower	Upper
43	100		
72	23.6	19.5	29.3



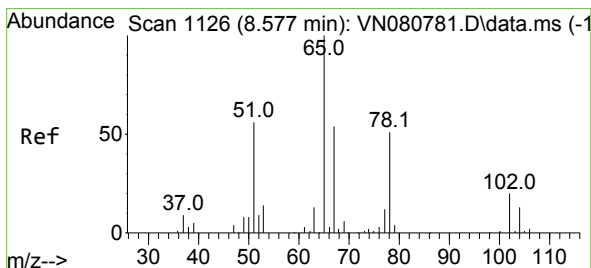
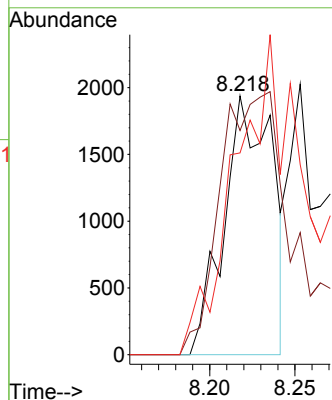
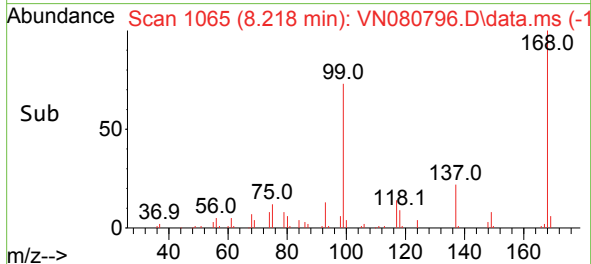


#31
Cyclohexane
Concen: 1.355 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN080796.D
Acq: 29 Jan 2024 17:18

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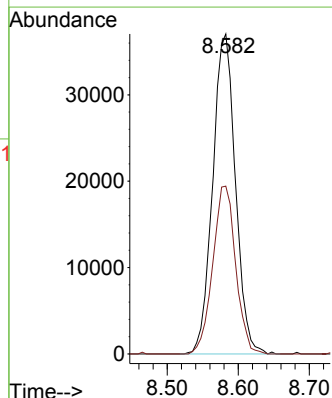
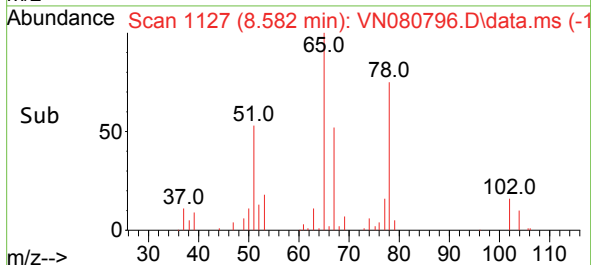
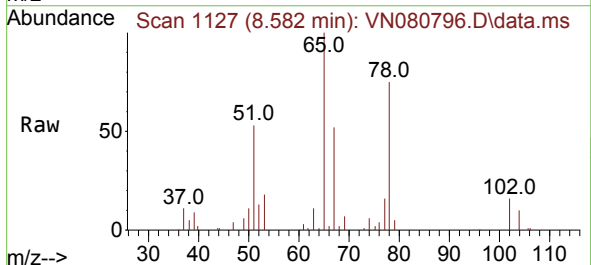


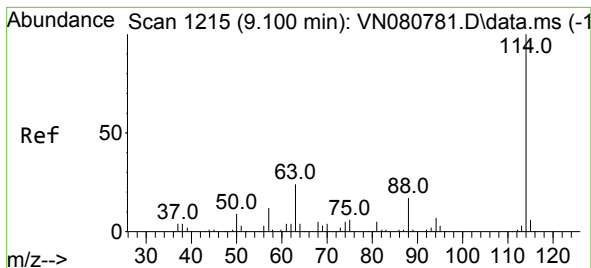
Tgt Ion: 56 Resp: 3829
Ion Ratio Lower Upper
56 100
69 86.6 20.1 30.1#
84 78.0 56.9 85.3



#33
1,2-Dichloroethane-d4
Concen: 49.896 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN080796.D
Acq: 29 Jan 2024 17:18

Tgt Ion: 65 Resp: 82235
Ion Ratio Lower Upper
65 100
67 52.9 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 114

Delta R.T. 0.000 min

Lab File: VN080796.D

Acq: 29 Jan 2024 17:18

Instrument :

MSVOA_N

ClientSampleId :

50234DL

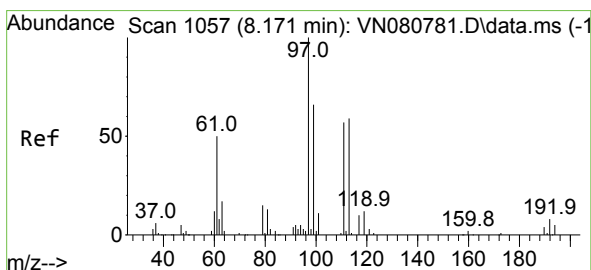
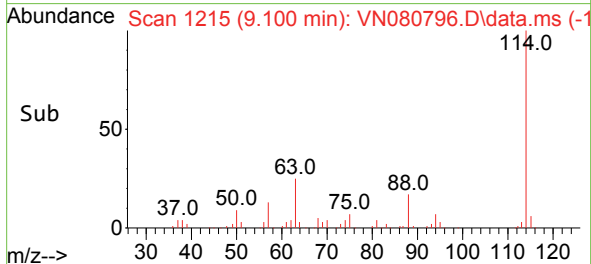
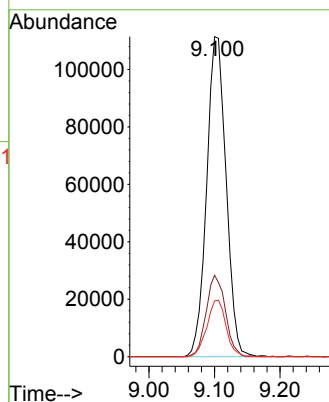
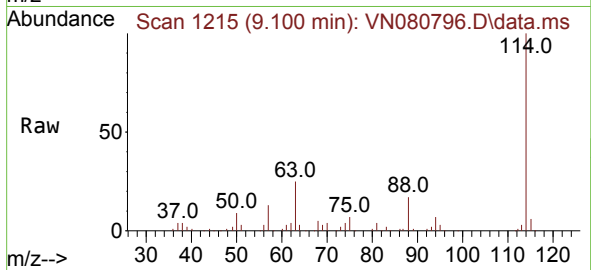
Tgt Ion:114 Resp: 229599

Ion Ratio Lower Upper

114 100

63 25.4 0.0 48.0

88 17.4 0.0 34.8



#35

Dibromofluoromethane

Concen: 45.689 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN080796.D

Acq: 29 Jan 2024 17:18

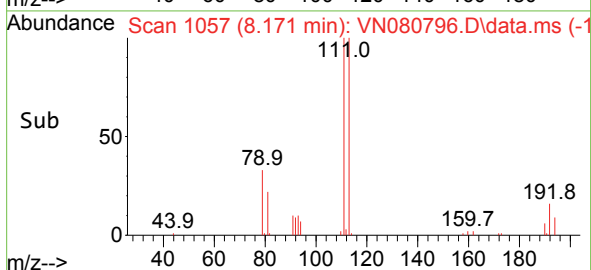
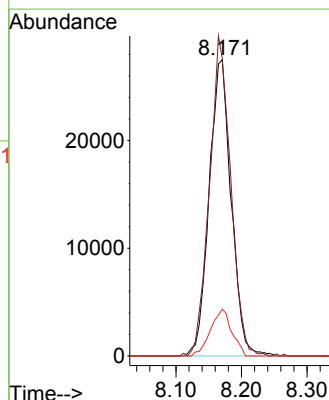
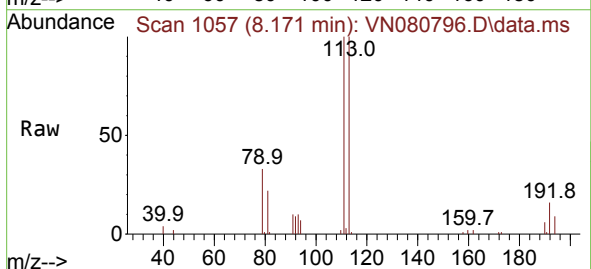
Tgt Ion:113 Resp: 64179

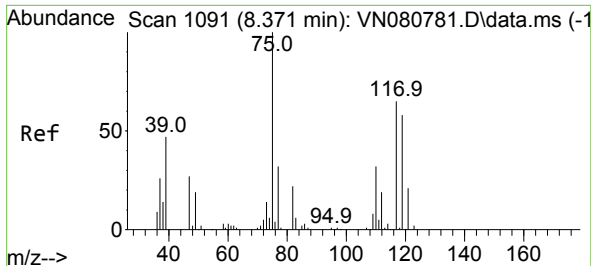
Ion Ratio Lower Upper

113 100

111 104.2 82.2 123.4

192 15.2 12.5 18.7

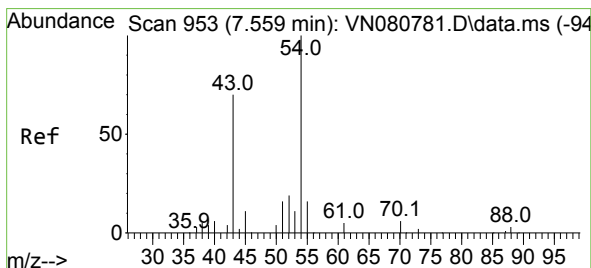
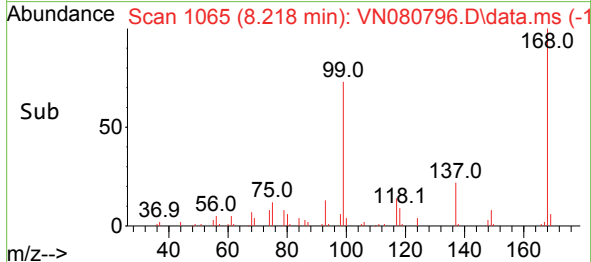
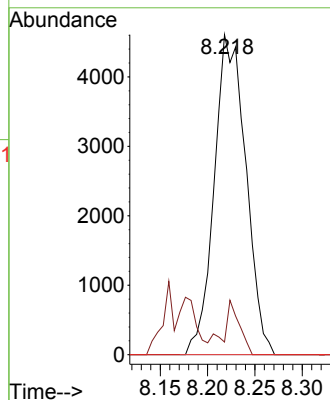
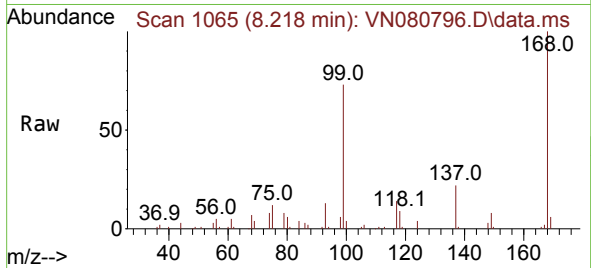




#36
1,1-Dichloropropene
Concen: 4.102 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN080796.D
Acq: 29 Jan 2024 17:18

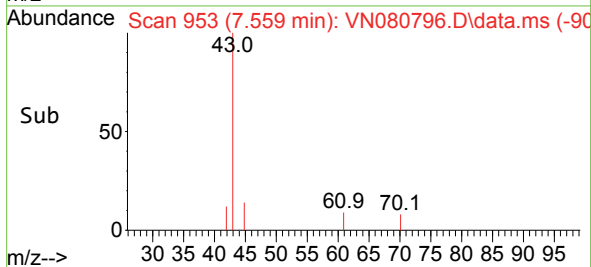
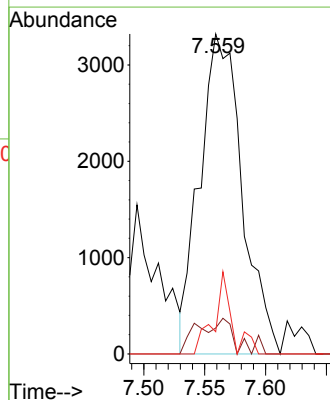
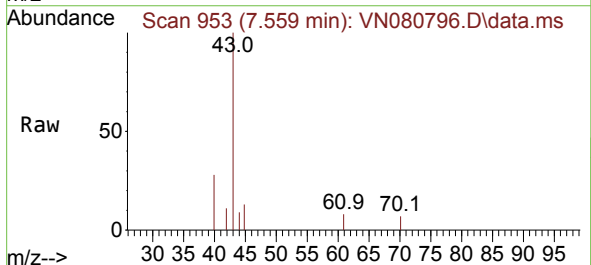
Instrument :
MSVOA_N
ClientSampleId :
50234DL

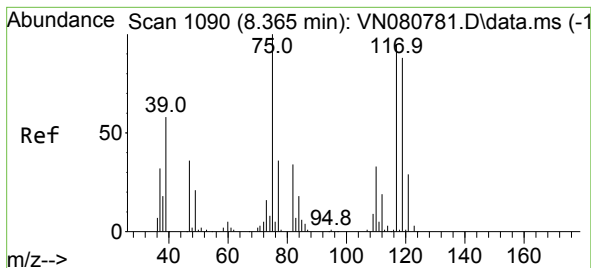
Tgt Ion: 75 Resp: 10709
Ion Ratio Lower Upper
75 100
110 8.7 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 2.984 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.000 min
Lab File: VN080796.D
Acq: 29 Jan 2024 17:18

Tgt Ion: 43 Resp: 8020
Ion Ratio Lower Upper
43 100
61 4.9 10.6 15.8#
70 10.9 8.0 12.0





#38

Carbon Tetrachloride

Concen: 5.648 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN080796.D

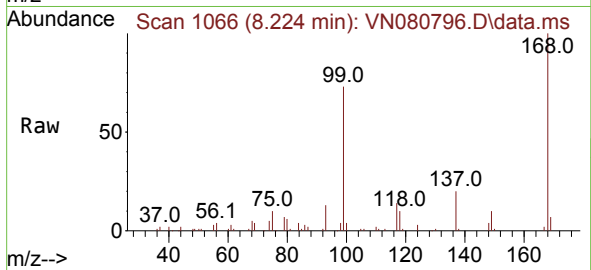
Acq: 29 Jan 2024 17:18

Instrument :

MSVOA_N

ClientSampleId :

50234DL



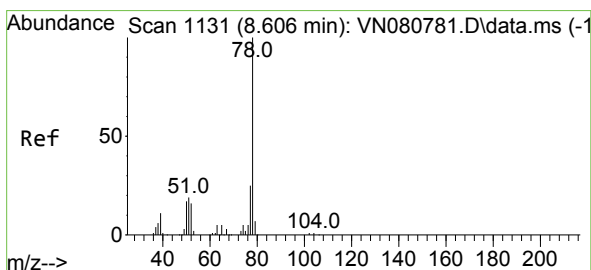
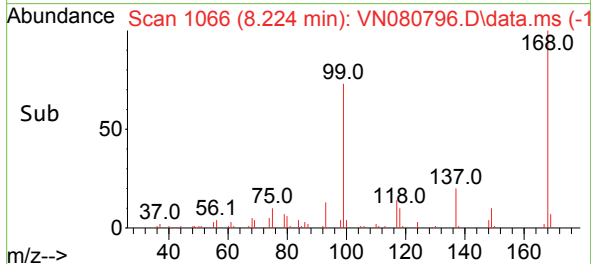
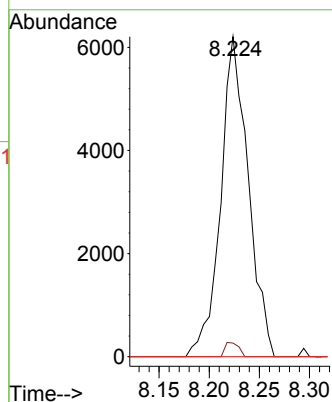
Tgt Ion:117 Resp: 11882

Ion Ratio Lower Upper

117 100

119 4.2 73.4 110.2#

121 0.0 24.4 36.6#



#40

Benzene

Concen: 32.112 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN080796.D

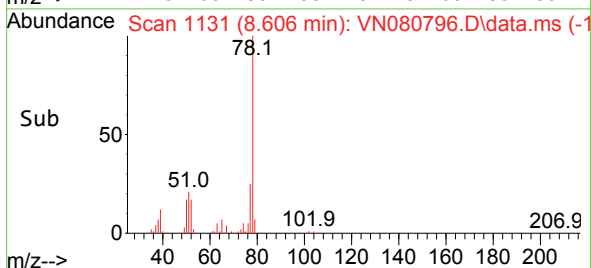
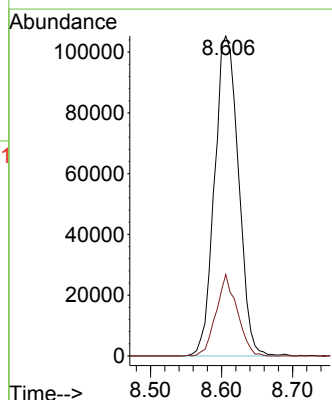
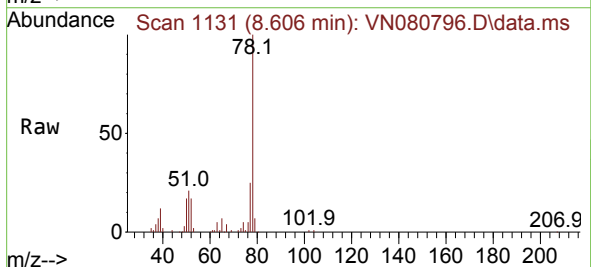
Acq: 29 Jan 2024 17:18

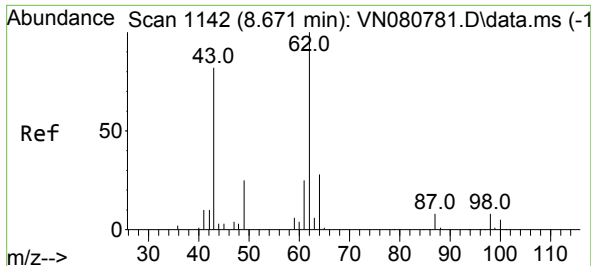
Tgt Ion: 78 Resp: 246412

Ion Ratio Lower Upper

78 100

77 25.5 20.4 30.6





#42

1,2-Dichloroethane

Concen: 0.978 ug/l

RT: 8.600 min Scan# 1142

Delta R.T. -0.071 min

Lab File: VN080796.D

Acq: 29 Jan 2024 17:18

Instrument :

MSVOA_N

ClientSampleId :

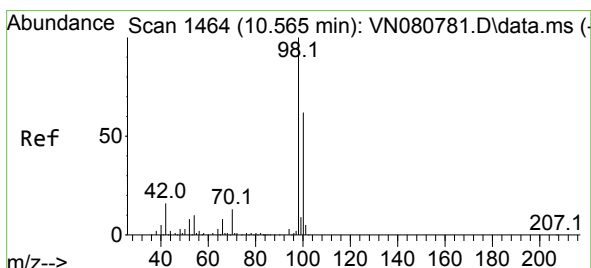
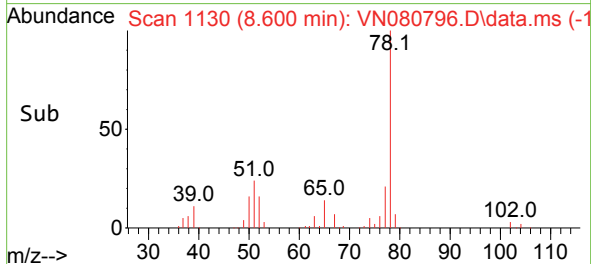
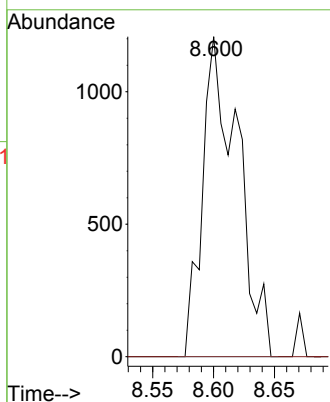
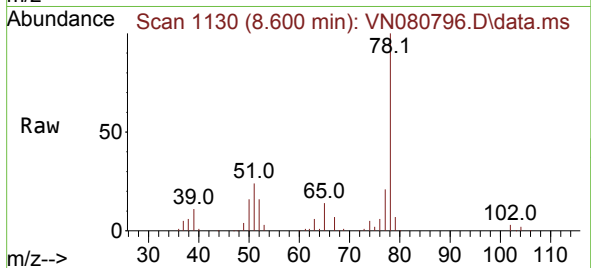
50234DL

Tgt Ion: 62 Resp: 2446

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0



#50

Toluene-d8

Concen: 49.225 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080796.D

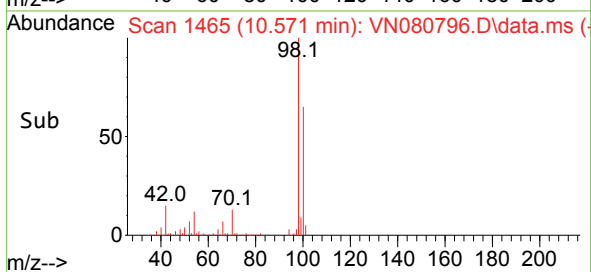
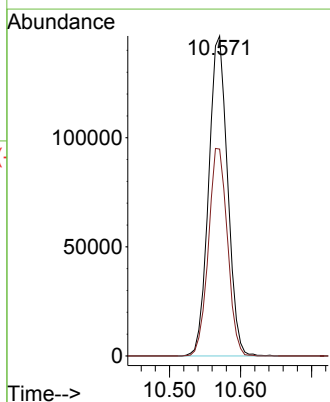
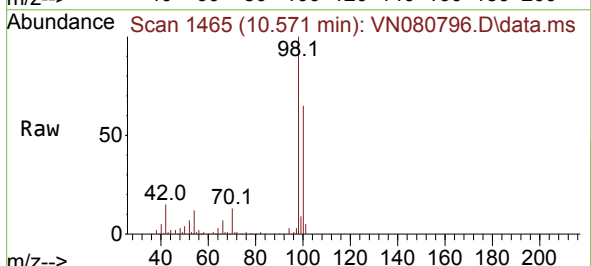
Acq: 29 Jan 2024 17:18

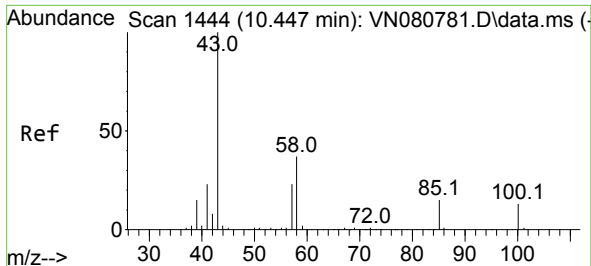
Tgt Ion: 98 Resp: 270632

Ion Ratio Lower Upper

98 100

100 65.2 51.4 77.0

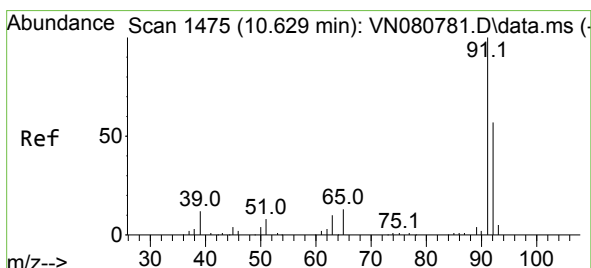
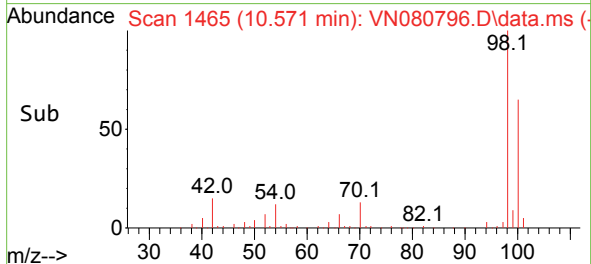
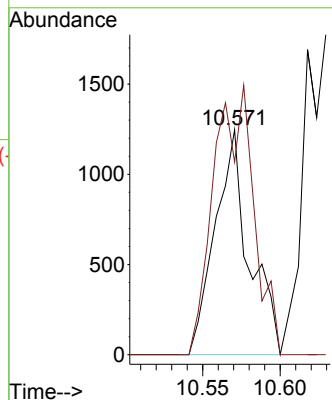
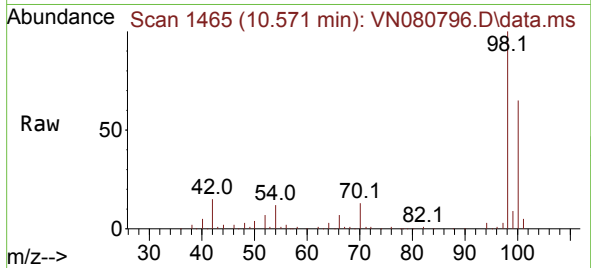




#51
4-Methyl-2-Pentanone
Concen: 0.695 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.124 min
Lab File: VN080796.D
Acq: 29 Jan 2024 17:18

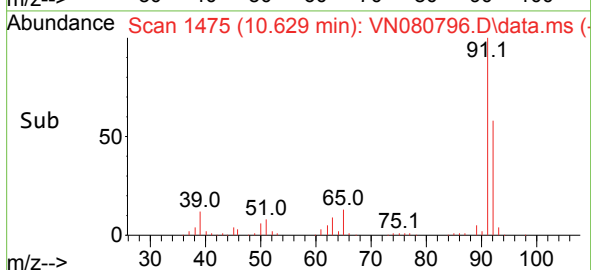
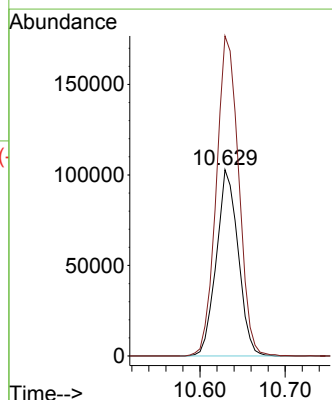
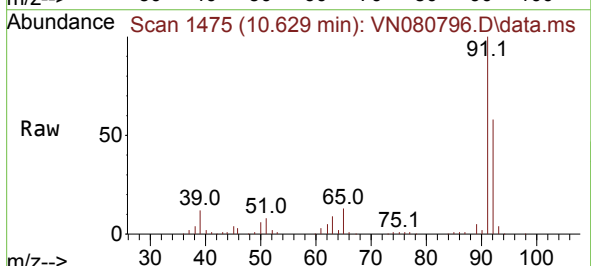
Instrument :
MSVOA_N
ClientSampleId :
50234DL

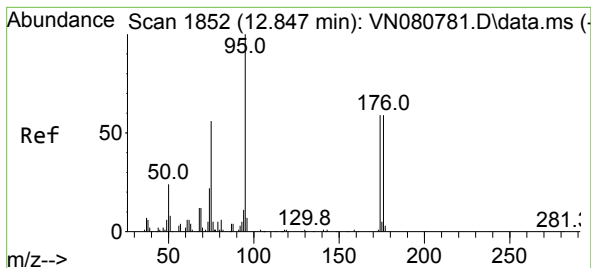
Tgt Ion: 43 Resp: 1900
Ion Ratio Lower Upper
43 100
58 140.7 29.4 44.0#



#52
Toluene
Concen: 41.497 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080796.D
Acq: 29 Jan 2024 17:18

Tgt Ion: 92 Resp: 182576
Ion Ratio Lower Upper
92 100
91 176.8 139.4 209.0

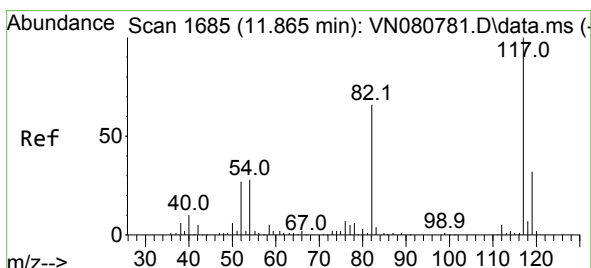
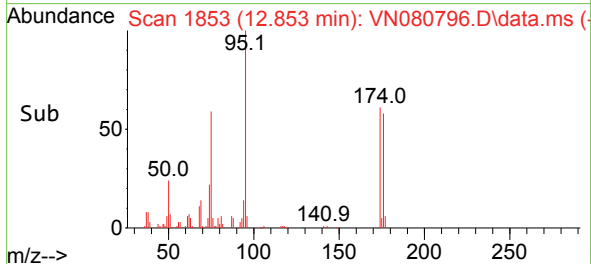
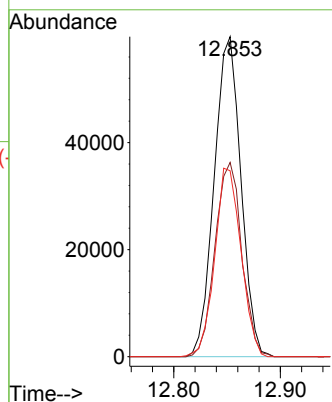
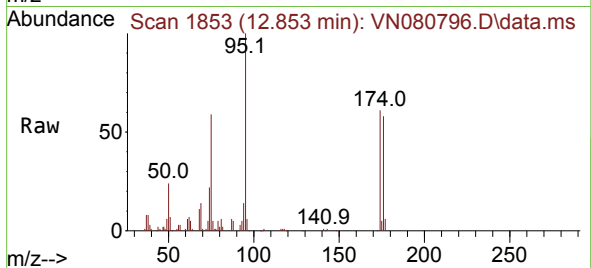




#62
4-Bromofluorobenzene
Concen: 54.339 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080796.D
Acq: 29 Jan 2024 17:18

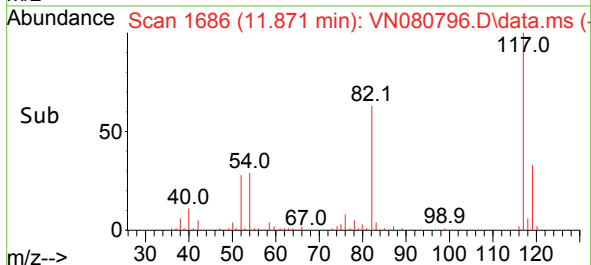
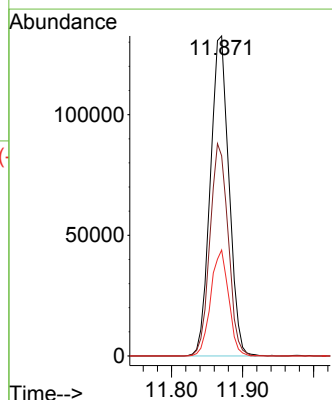
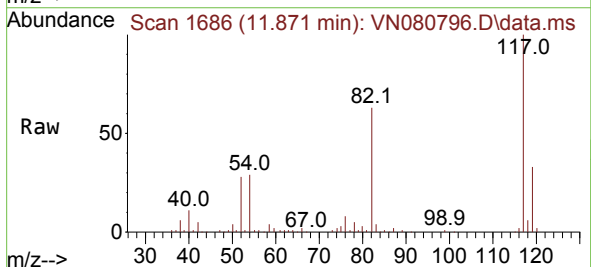
Instrument :
MSVOA_N
ClientSampleId :
50234DL

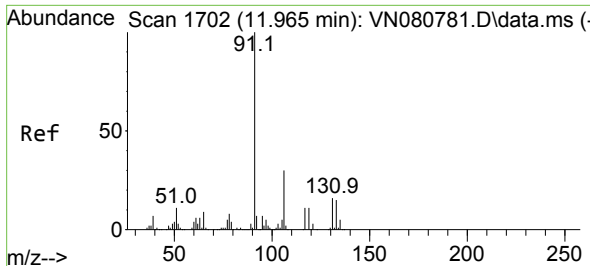
Tgt Ion: 95 Resp: 104107
Ion Ratio Lower Upper
95 100
174 60.8 0.0 120.4
176 57.9 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080796.D
Acq: 29 Jan 2024 17:18

Tgt Ion: 117 Resp: 241341
Ion Ratio Lower Upper
117 100
82 62.5 52.7 79.1
119 33.1 25.3 37.9

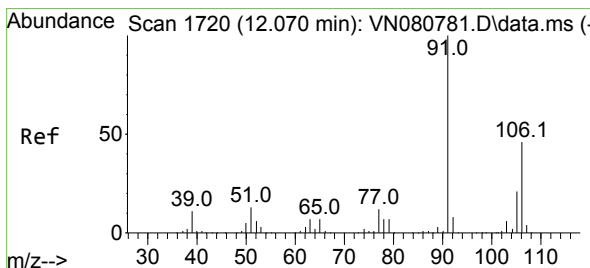
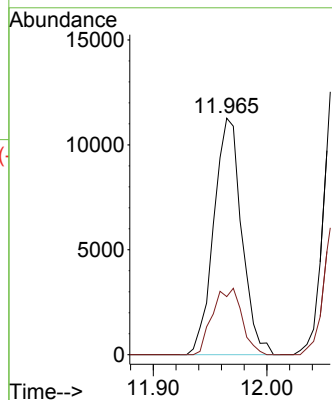
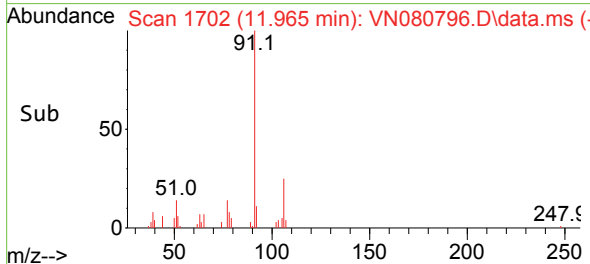
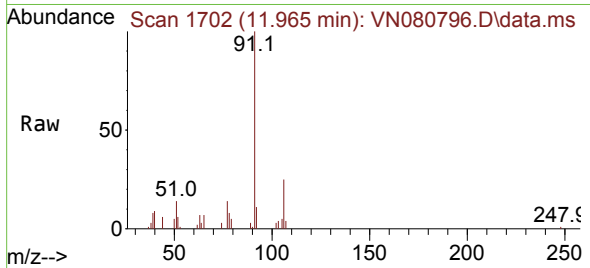




#67
Ethyl Benzene
Concen: 1.968 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080796.D
Acq: 29 Jan 2024 17:18

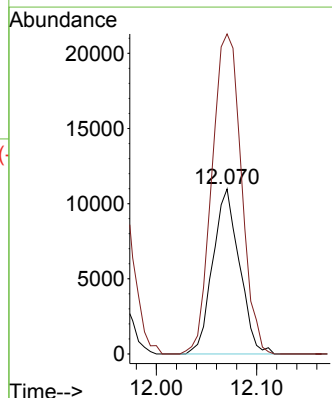
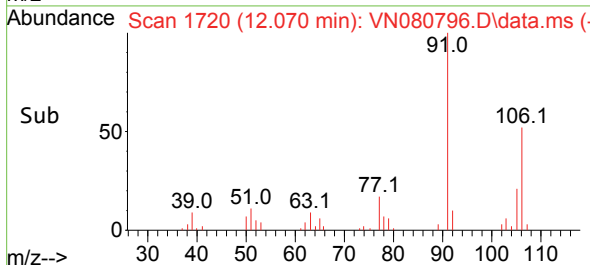
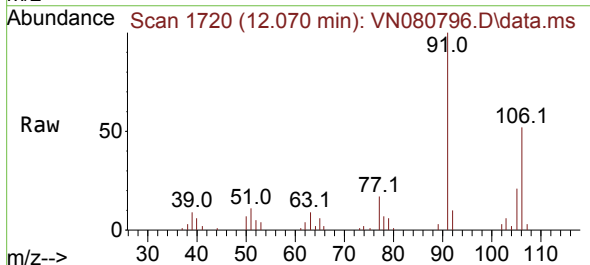
Instrument :
MSVOA_N
ClientSampleId :
50234DL

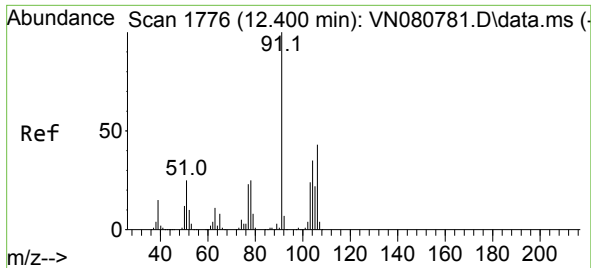
Tgt Ion: 91 Resp: 19270
Ion Ratio Lower Upper
91 100
106 24.5 23.8 35.6



#68
m/p-Xylenes
Concen: 5.833 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN080796.D
Acq: 29 Jan 2024 17:18

Tgt Ion:106 Resp: 20278
Ion Ratio Lower Upper
106 100
91 213.3 169.0 253.6

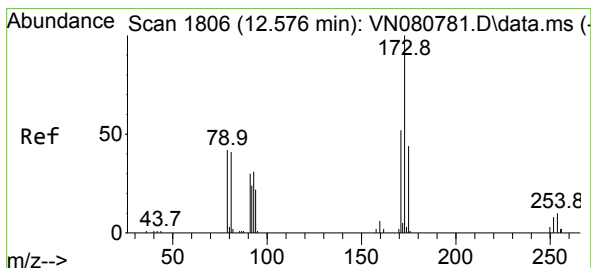
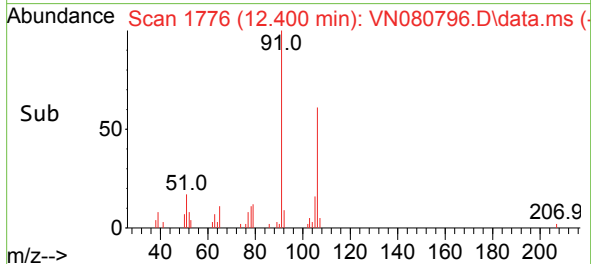
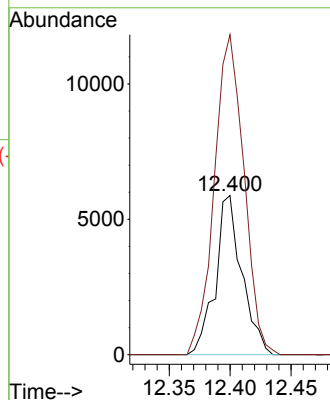
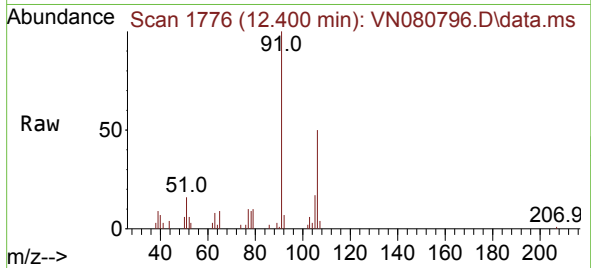




#69
o-Xylene
Concen: 2.576 ug/l
RT: 12.400 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080796.D
Acq: 29 Jan 2024 17:18

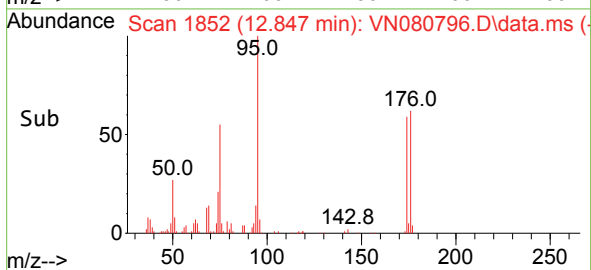
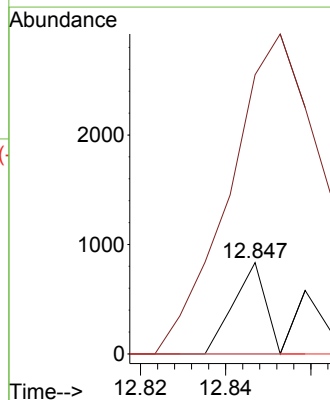
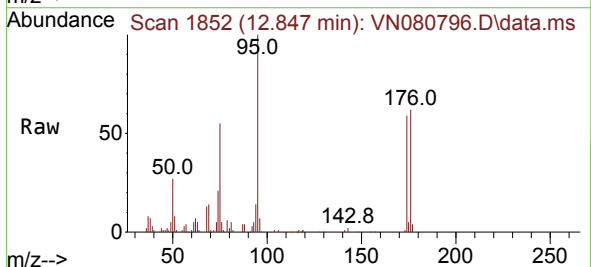
Instrument :
MSVOA_N
ClientSampleId :
50234DL

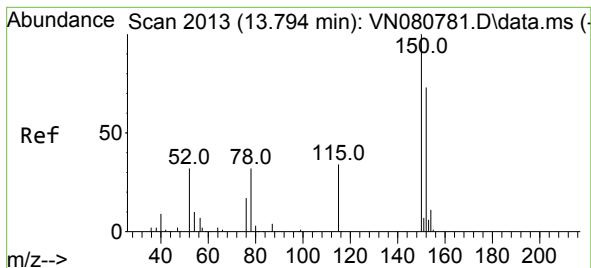
Tgt Ion:106 Resp: 8900
Ion Ratio Lower Upper
106 100
91 224.9 112.1 336.3



#71
Bromoform
Concen: 0.378 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN080796.D
Acq: 29 Jan 2024 17:18

Tgt Ion:173 Resp: 438
Ion Ratio Lower Upper
173 100
175 0.0 23.1 69.2#
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: VN080796.D

Acq: 29 Jan 2024 17:18

Instrument :

MSVOA_N

ClientSampleId :

50234DL

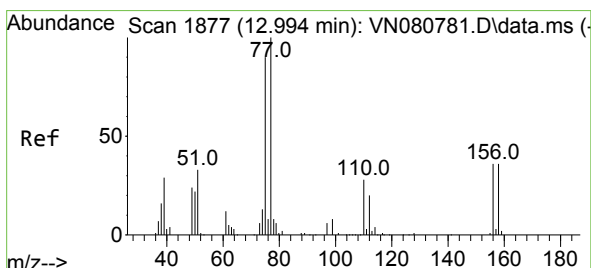
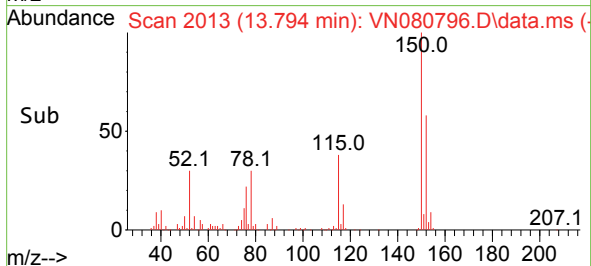
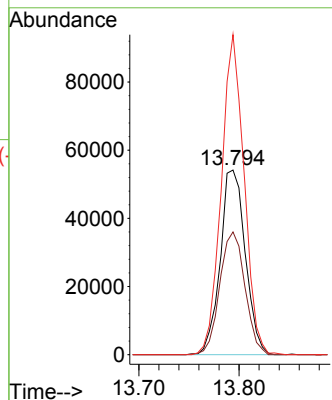
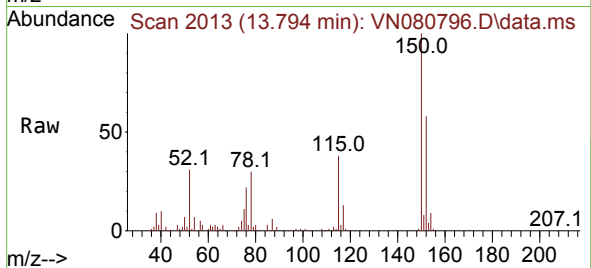
Tgt Ion:152 Resp: 93786

Ion Ratio Lower Upper

152 100

115 66.7 32.3 96.8

150 157.6 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 21.296 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080796.D

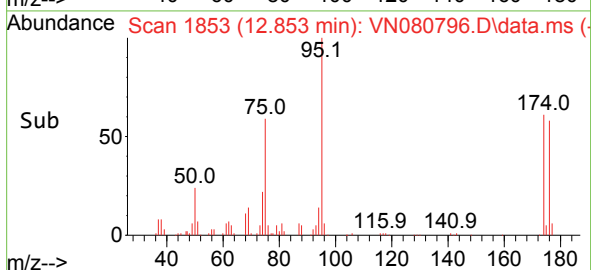
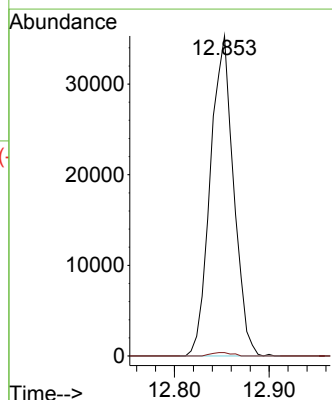
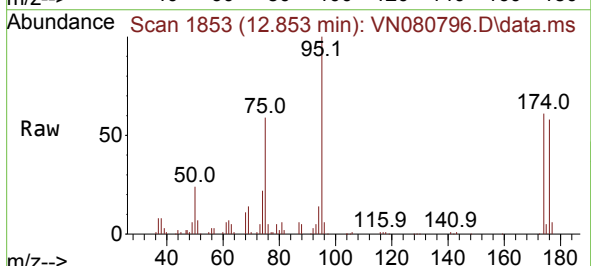
Acq: 29 Jan 2024 17:18

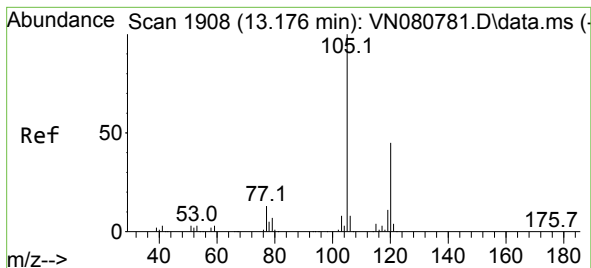
Tgt Ion: 75 Resp: 60237

Ion Ratio Lower Upper

75 100

77 1.0 91.0 272.8#





#80

1,3,5-Trimethylbenzene

Concen: 0.263 ug/l

RT: 13.182 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VN080796.D

Acq: 29 Jan 2024 17:18

Instrument :

MSVOA_N

ClientSampleId :

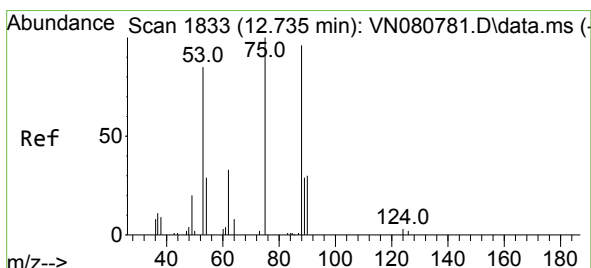
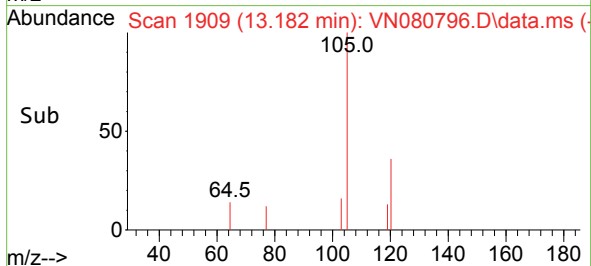
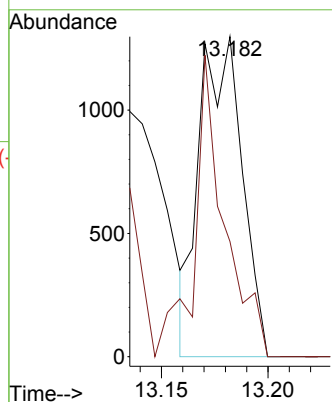
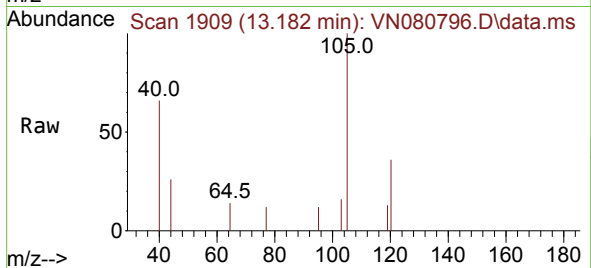
50234DL

Tgt Ion:105 Resp: 1798

Ion Ratio Lower Upper

105 100

120 65.8 23.0 69.0



#81

trans-1,4-Dichloro-2-butene

Concen: 54.862 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN080796.D

Acq: 29 Jan 2024 17:18

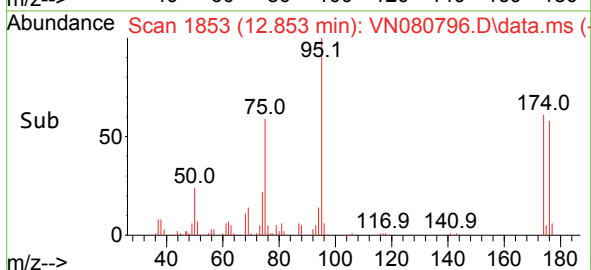
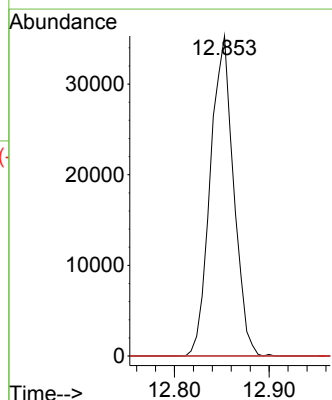
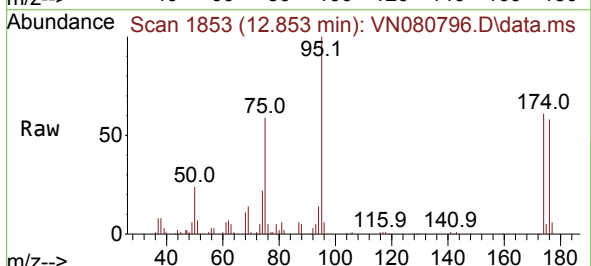
Tgt Ion: 75 Resp: 60237

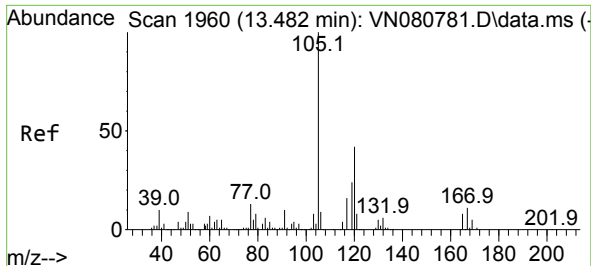
Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.2#

89 0.0 33.4 50.0#

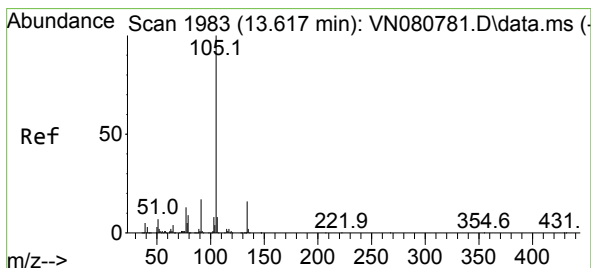
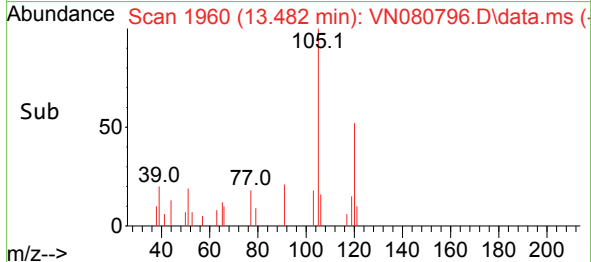
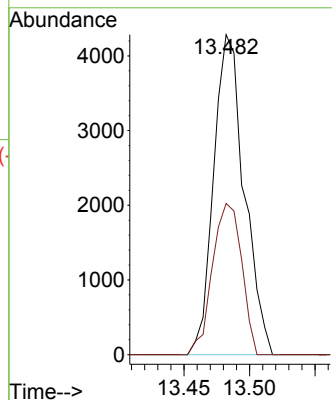
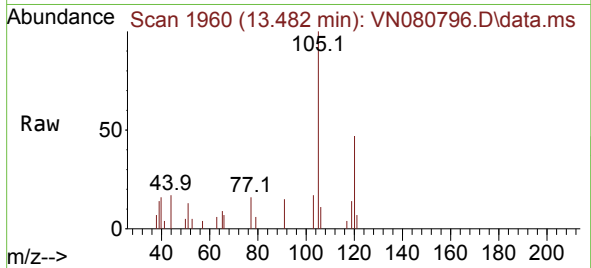




#84
1,2,4-Trimethylbenzene
Concen: 1.001 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN080796.D
Acq: 29 Jan 2024 17:18

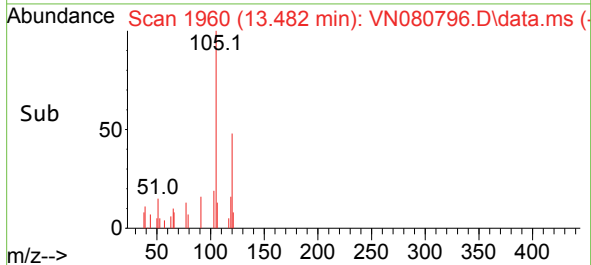
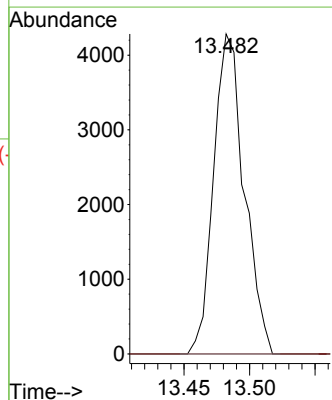
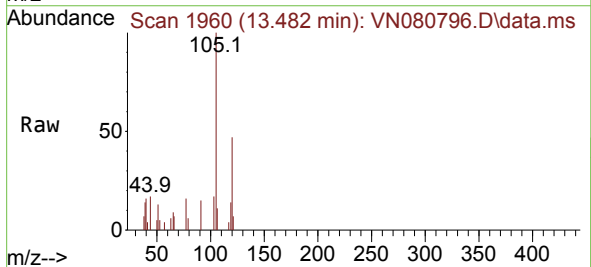
Instrument :
MSVOA_N
ClientSampleId :
50234DL

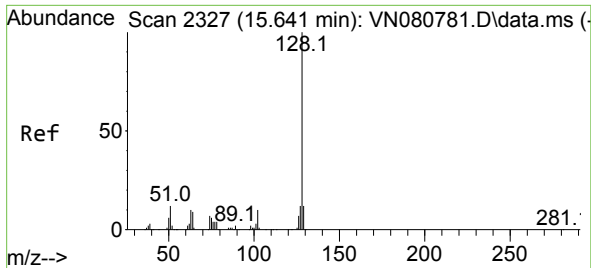
Tgt Ion:105 Resp: 6940
Ion Ratio Lower Upper
105 100
120 45.2 20.9 62.7



#85
sec-Butylbenzene
Concen: 0.862 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.135 min
Lab File: VN080796.D
Acq: 29 Jan 2024 17:18

Tgt Ion:105 Resp: 6940
Ion Ratio Lower Upper
105 100
134 0.0 8.6 25.8#





#95

Naphthalene

Concen: 0.357 ug/l

RT: 15.653 min Scan# 2116

Delta R.T. 0.012 min

Lab File: VN080796.D

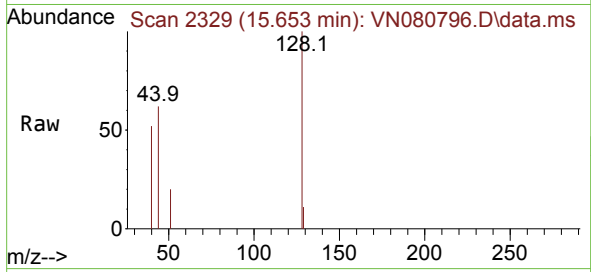
Acq: 29 Jan 2024 17:18

Instrument :

MSVOA_N

ClientSampleId :

50234DL



Tgt Ion:128 Resp: 2116

Ion Ratio Lower Upper

128 100

127 2.8 10.0 15.0#

129 10.2 8.7 13.1

