

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021424\
 Data File : VN081031.D
 Acq On : 14 Feb 2024 17:43
 Operator : JC\MD
 Sample : P1460-02 20X
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 15 08:04:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021424W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 07:59:19 2024
 Response via : Initial Calibration

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

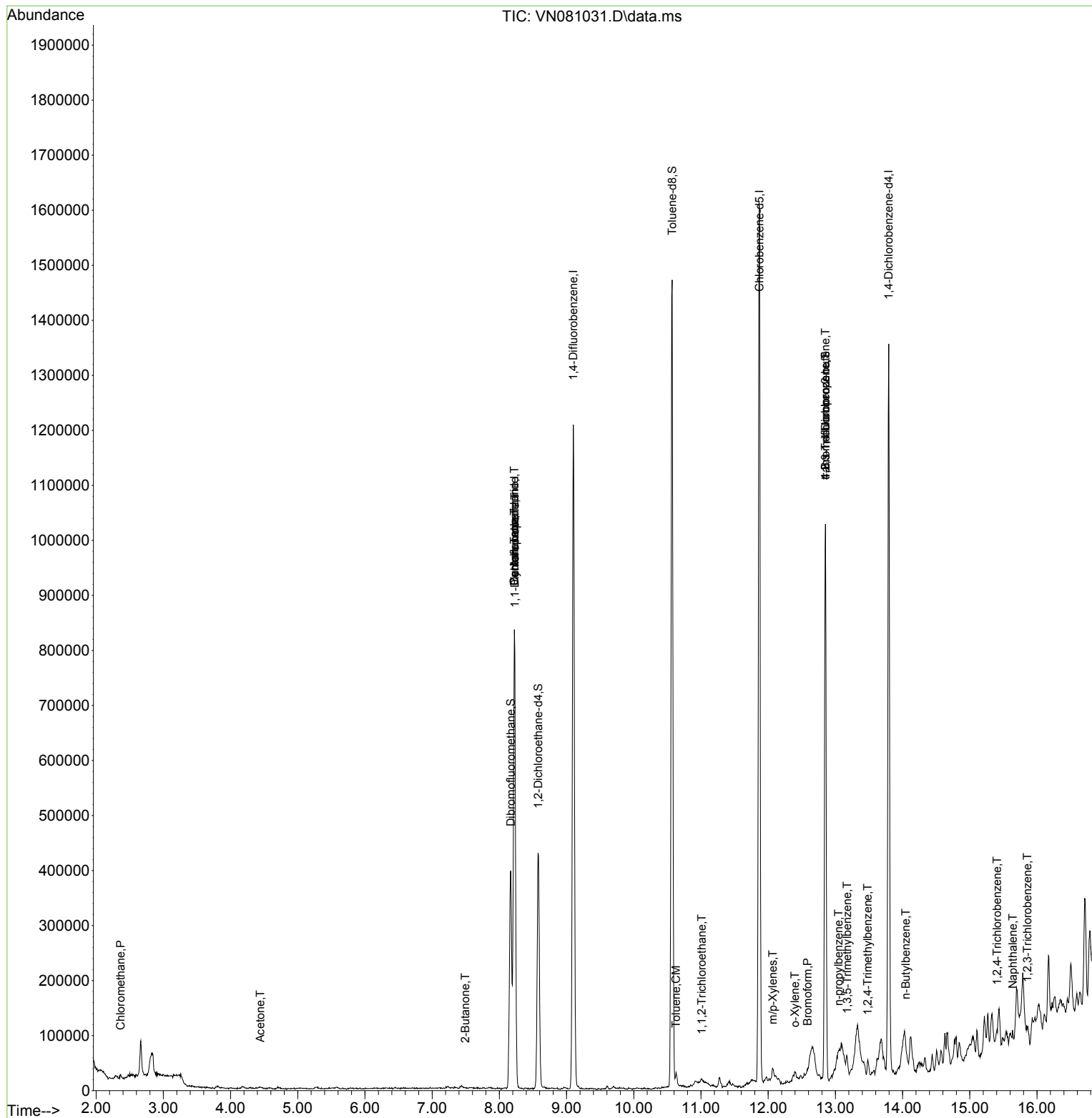
Internal Standards						
1) Pentafluorobenzene	8.224	168	585344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	1043004	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	921339	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	331033	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	350023	48.615	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.240%		
35) Dibromofluoromethane	8.171	113	283121	47.344	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.680%		
50) Toluene-d8	10.571	98	1008847	47.835	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.660%		
62) 4-Bromofluorobenzene	12.853	95	355854	49.611	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.220%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	9087	0.808	ug/l	95
13) Acrolein	4.194	56	4253	Below Cal	#	15
16) Acetone	4.441	43	5200	1.845	ug/l #	74
25) 2-Butanone	7.494	43	1469	0.321	ug/l #	51
31) Cyclohexane	8.224	56	14847	1.187	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	49998	5.011	ug/l #	53
38) Carbon Tetrachloride	8.224	117	62658	8.579	ug/l #	16
49) 1,4-Dioxane	9.700	88	3060	Below Cal		92
52) Toluene	10.629	92	9957	0.540	ug/l	89
55) 1,1,2-Trichloroethane	11.012	97	1454	0.210	ug/l #	29
68) m/p-Xylenes	12.070	106	6159	0.459	ug/l	89
69) o-Xylene	12.400	106	3164	0.243	ug/l	68
71) Bromoform	12.588	173	748	0.221	ug/l #	30
76) 1,2,3-Trichloropropane	12.853	75	192905	26.373	ug/l #	1
78) n-propylbenzene	13.047	91	7672	0.201	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	8912	0.343	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.853	75	192905	61.393	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.482	105	21756	0.870	ug/l	98
89) n-Butylbenzene	14.047	91	12302	0.548	ug/l #	57
92) 1,2-Dibromo-3-Chloropr...	14.711	75	221	Below Cal	#	30
93) 1,2,4-Trichlorobenzene	15.406	180	1348	0.201	ug/l #	70
95) Naphthalene	15.641	128	26368	1.108	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.858	180	1553	0.237	ug/l #	53

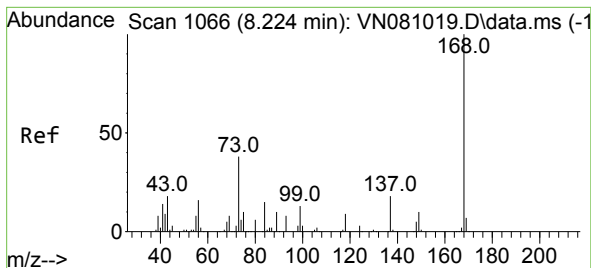
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 15 07:59:19 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: VN081031.D

Acq: 14 Feb 2024 17:43

Instrument :

MSVOA_N

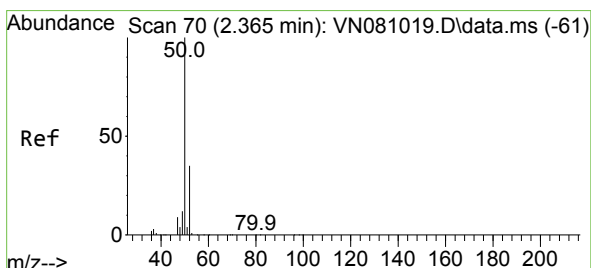
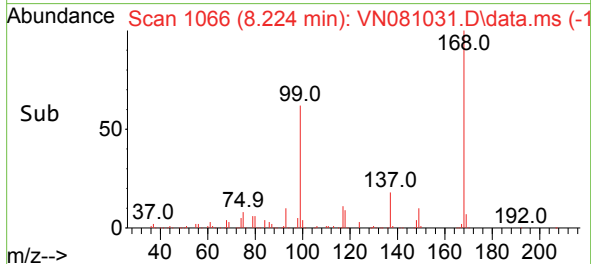
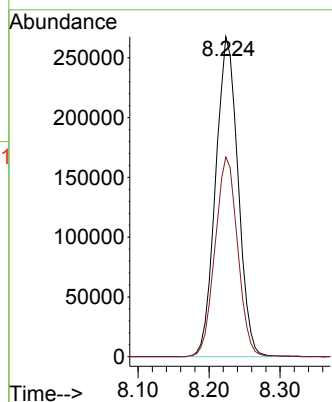
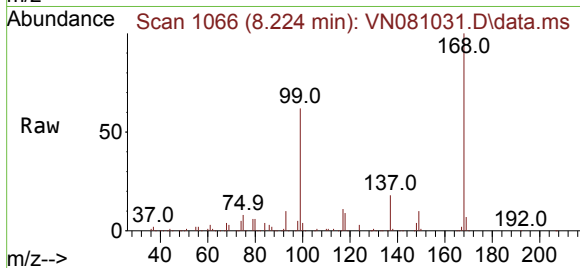
ClientSampleId :

Tgt Ion:168 Resp: 585344

Ion Ratio Lower Upper

168 100

99 62.4 59.9 89.9



#3

Chloromethane

Concen: 0.808 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN081031.D

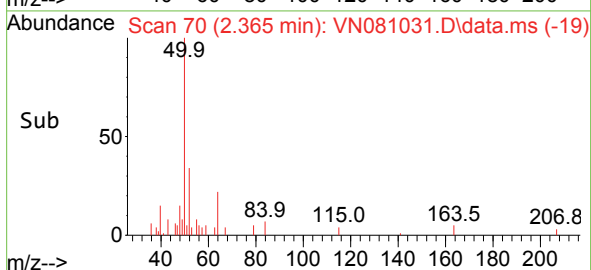
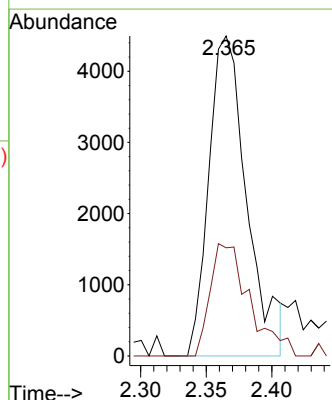
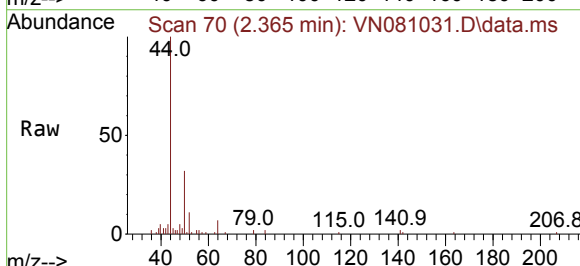
Acq: 14 Feb 2024 17:43

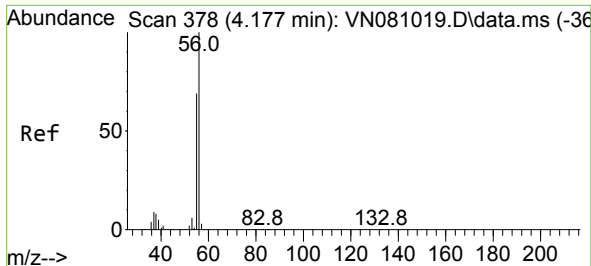
Tgt Ion: 50 Resp: 9087

Ion Ratio Lower Upper

50 100

52 33.8 25.0 37.4

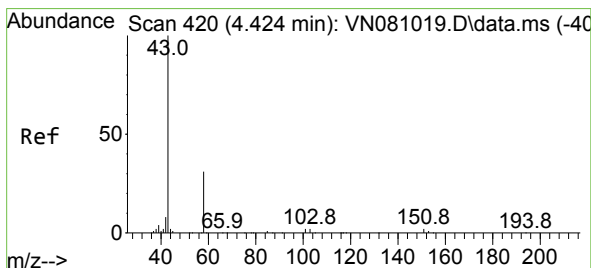
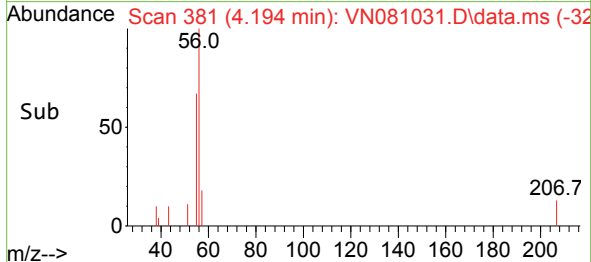
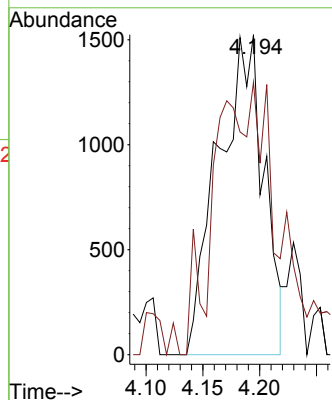
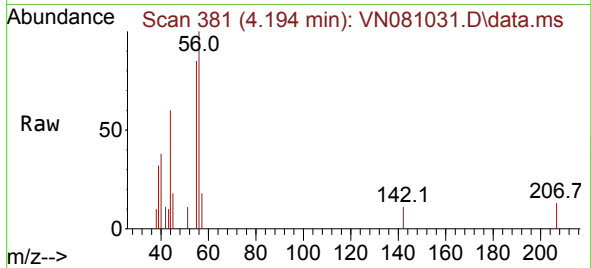




#13
Acrolein
Concen: Below Cal
RT: 4.194 min Scan# 31
Delta R.T. 0.017 min
Lab File: VN081031.D
Acq: 14 Feb 2024 17:43

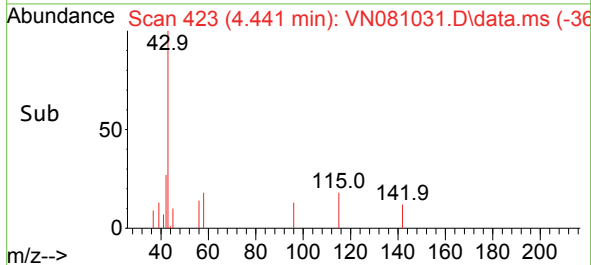
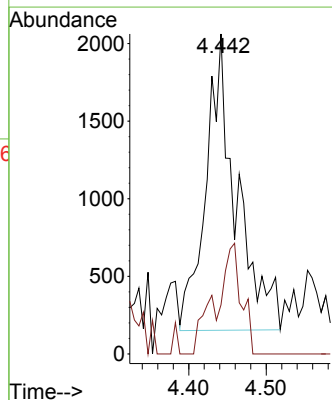
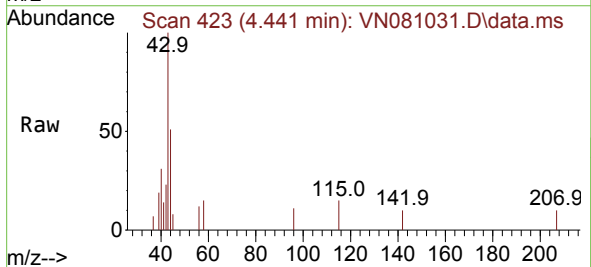
Instrument :
MSVOA_N
ClientSampleId :

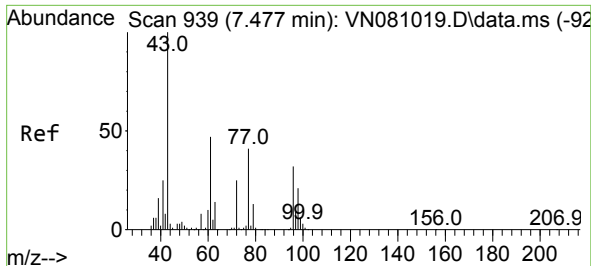
Tgt Ion: 56 Resp: 4253
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



#16
Acetone
Concen: 1.845 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN081031.D
Acq: 14 Feb 2024 17:43

Tgt Ion: 43 Resp: 5200
Ion Ratio Lower Upper
43 100
58 16.6 24.8 37.2#

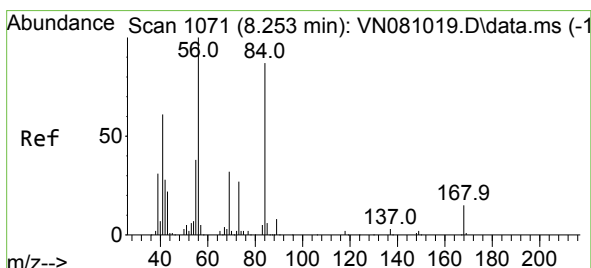
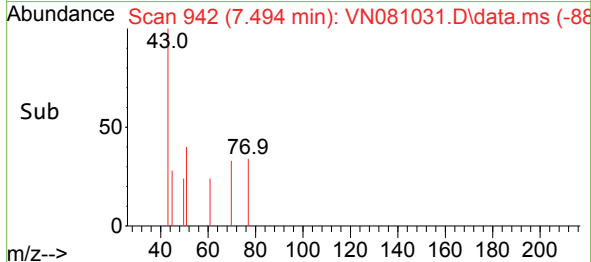
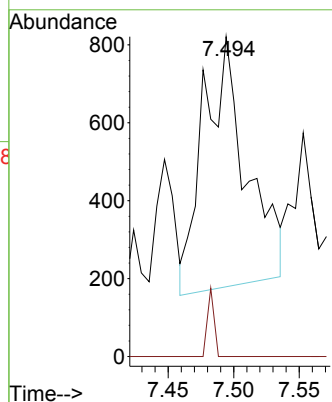
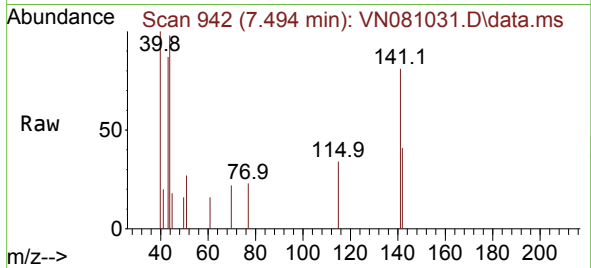




#25
2-Butanone
Concen: 0.321 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN081031.D
Acq: 14 Feb 2024 17:43

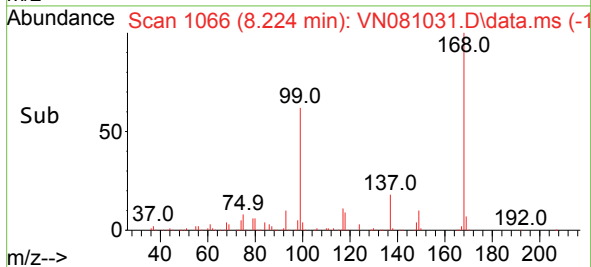
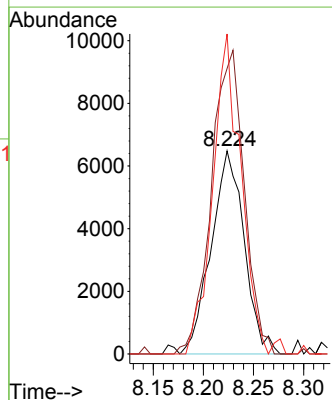
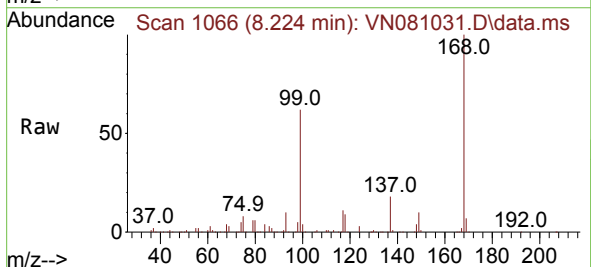
Instrument :
MSVOA_N
ClientSampleId :

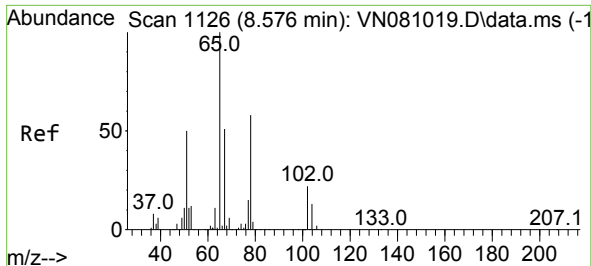
Tgt Ion: 43 Resp: 1469
Ion Ratio Lower Upper
43 100
72 0.0 19.5 29.3#



#31
Cyclohexane
Concen: 1.187 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN081031.D
Acq: 14 Feb 2024 17:43

Tgt Ion: 56 Resp: 14847
Ion Ratio Lower Upper
56 100
69 140.6 20.1 30.1#
84 157.6 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 48.615 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081031.D

Acq: 14 Feb 2024 17:43

Instrument :

MSVOA_N

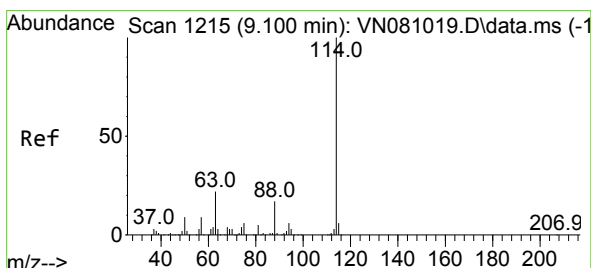
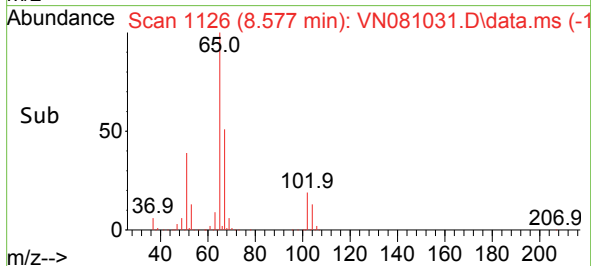
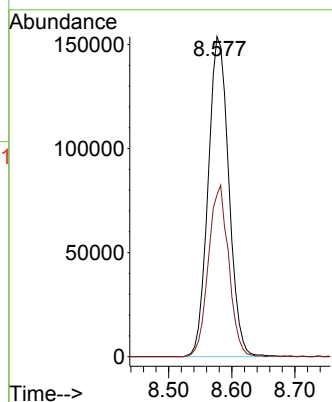
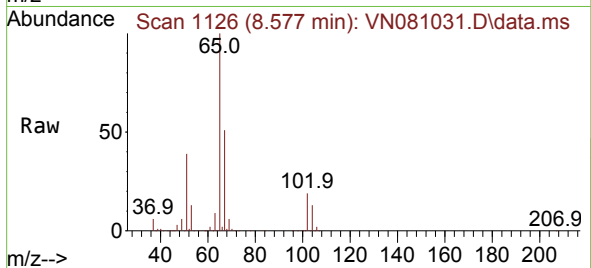
ClientSampleId :

Tgt Ion: 65 Resp: 350023

Ion Ratio Lower Upper

65 100

67 52.5 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN081031.D

Acq: 14 Feb 2024 17:43

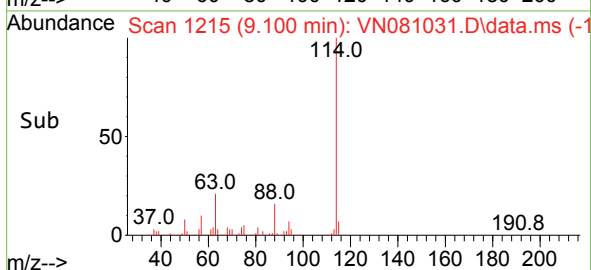
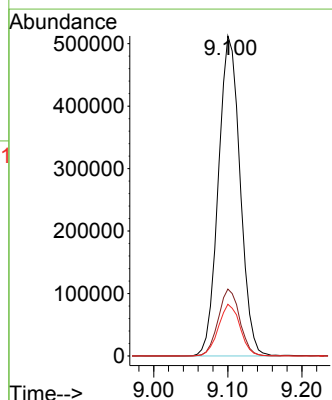
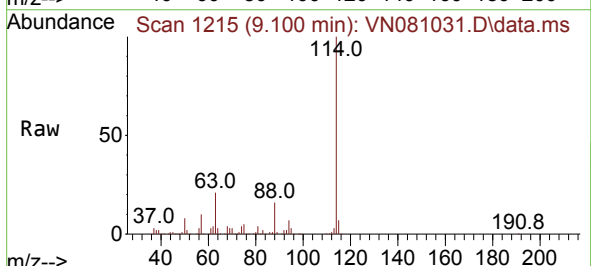
Tgt Ion: 114 Resp: 1043004

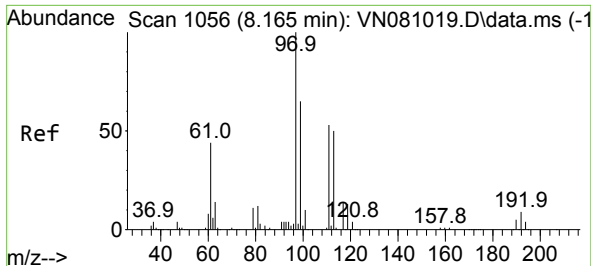
Ion Ratio Lower Upper

114 100

63 20.9 0.0 48.0

88 16.2 0.0 34.8

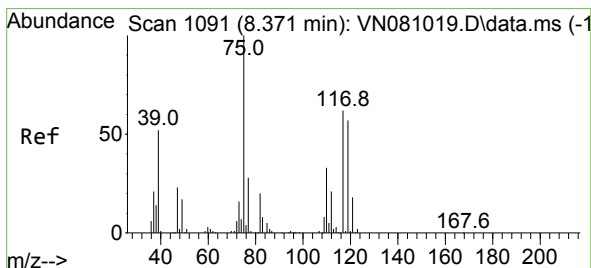
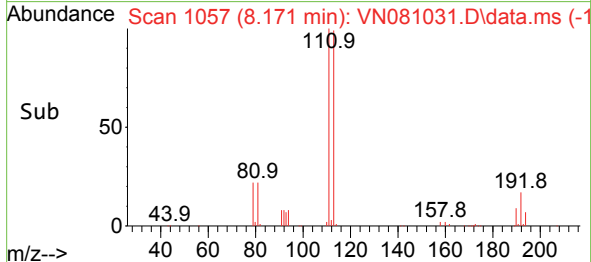
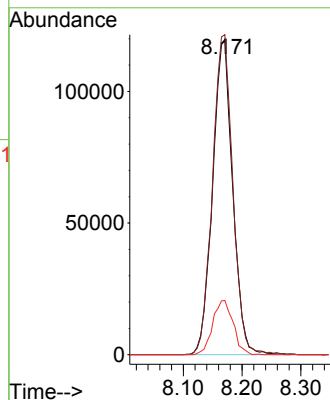
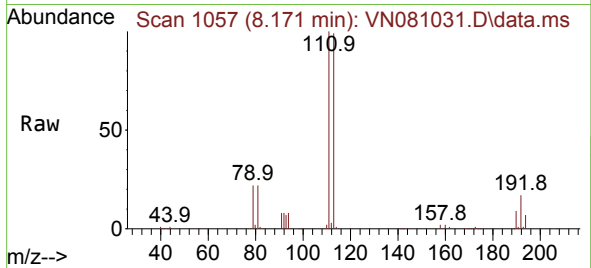




#35
 Dibromofluoromethane
 Concen: 47.344 ug/l
 RT: 8.171 min Scan# 1056
 Delta R.T. 0.006 min
 Lab File: VN081031.D
 Acq: 14 Feb 2024 17:43

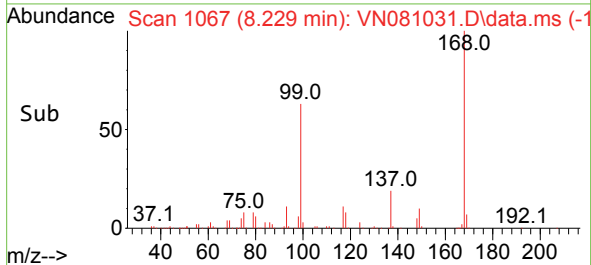
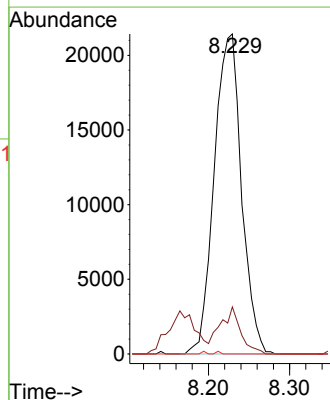
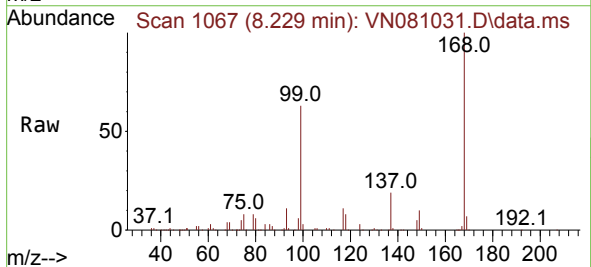
Instrument :
 MSVOA_N
 ClientSampleId :

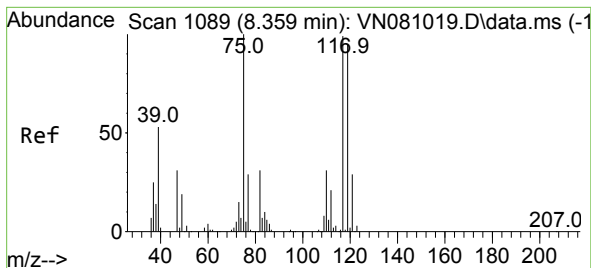
Tgt Ion:113 Resp: 283121
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.2 123.4
 192 17.6 12.5 18.7



#36
 1,1-Dichloropropene
 Concen: 5.011 ug/l
 RT: 8.229 min Scan# 1067
 Delta R.T. -0.141 min
 Lab File: VN081031.D
 Acq: 14 Feb 2024 17:43

Tgt Ion: 75 Resp: 49998
 Ion Ratio Lower Upper
 75 100
 110 11.2 16.0 48.0#
 77 0.1 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 8.579 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.135 min

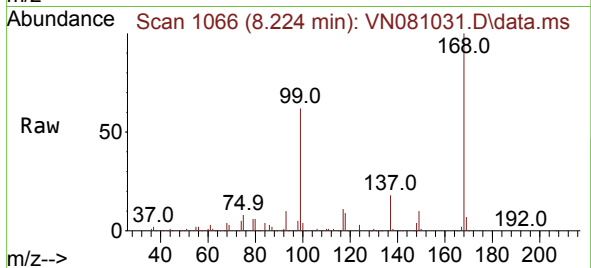
Lab File: VN081031.D

Acq: 14 Feb 2024 17:43

Instrument :

MSVOA_N

ClientSampleId :



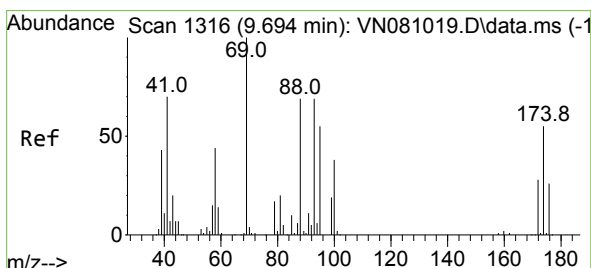
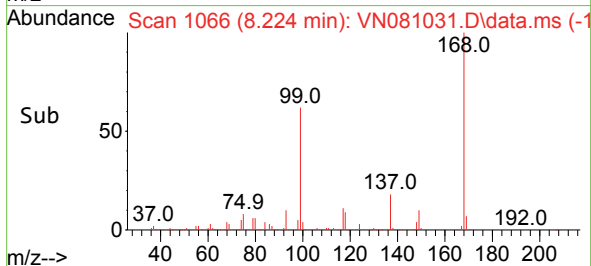
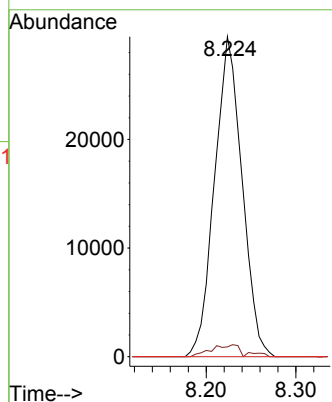
Tgt Ion:117 Resp: 62658

Ion Ratio Lower Upper

117 100

119 3.1 73.4 110.2#

121 0.0 24.4 36.6#



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.700 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VN081031.D

Acq: 14 Feb 2024 17:43

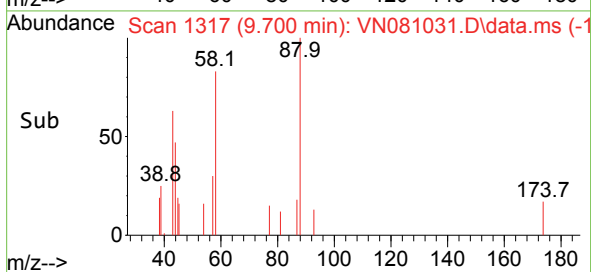
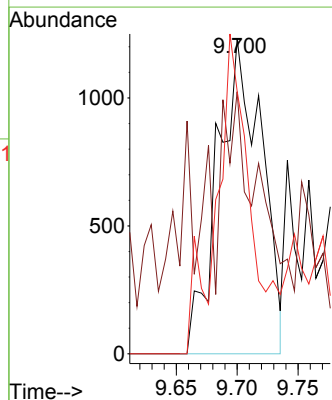
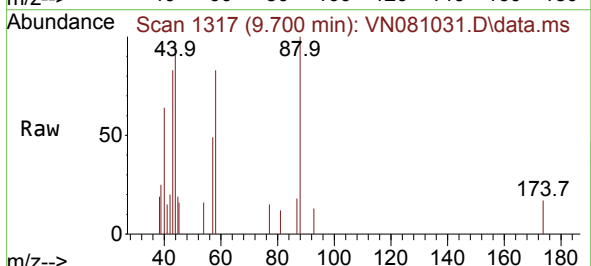
Tgt Ion: 88 Resp: 3060

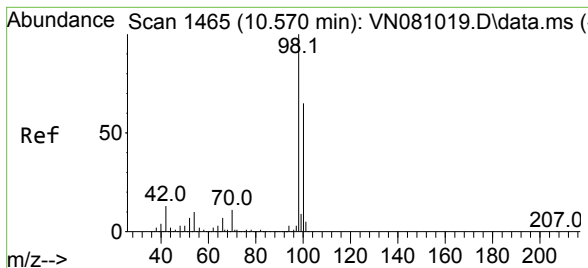
Ion Ratio Lower Upper

88 100

43 32.4 30.1 45.1

58 73.5 63.9 95.9

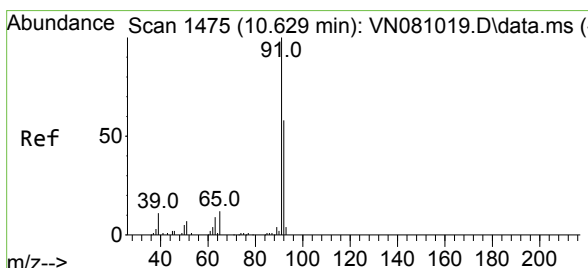
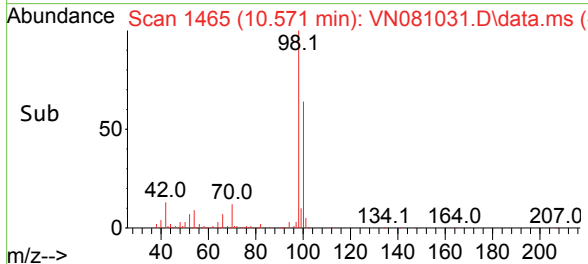
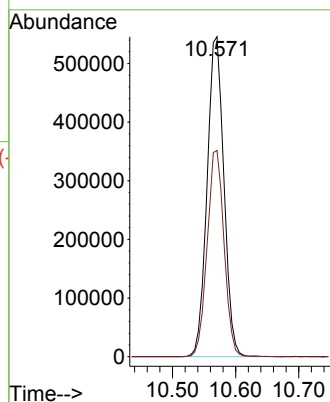
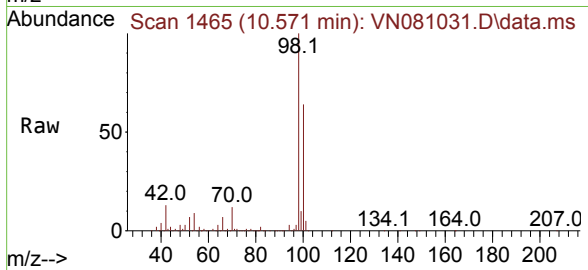




#50
Toluene-d8
Concen: 47.835 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081031.D
Acq: 14 Feb 2024 17:43

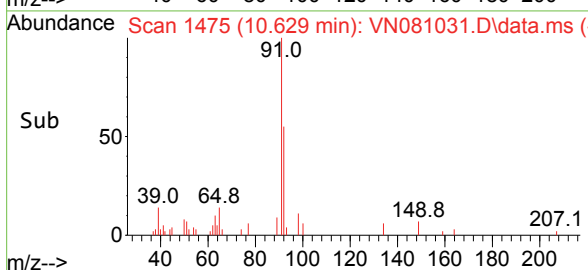
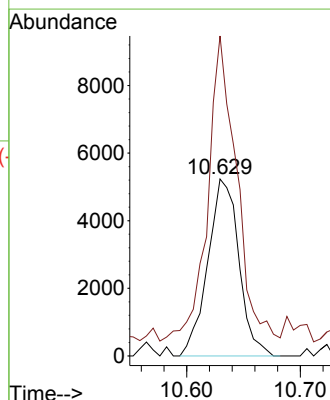
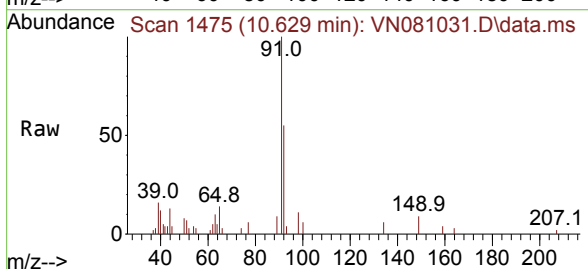
Instrument :
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ClientSampleId :

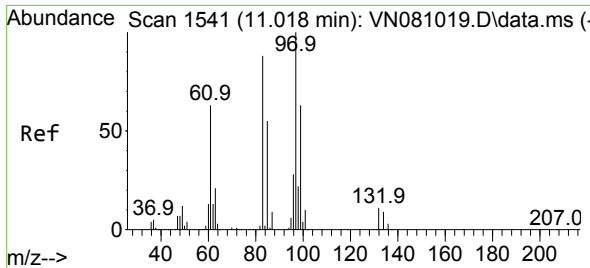
Tgt Ion: 98 Resp: 1008847
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



#52
Toluene
Concen: 0.540 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081031.D
Acq: 14 Feb 2024 17:43

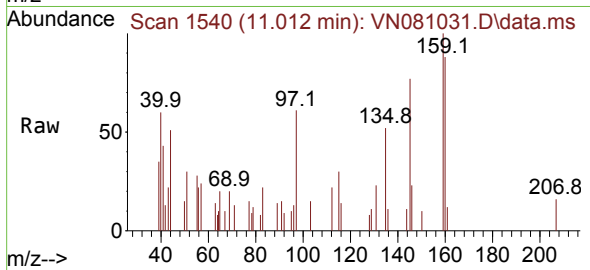
Tgt Ion: 92 Resp: 9957
Ion Ratio Lower Upper
92 100
91 158.6 139.4 209.0



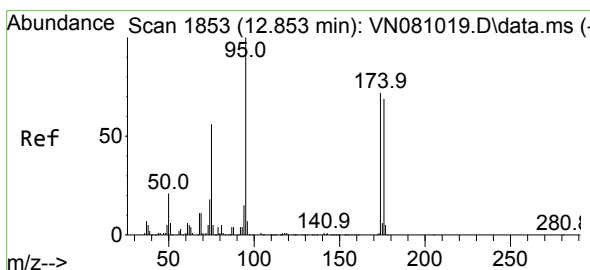
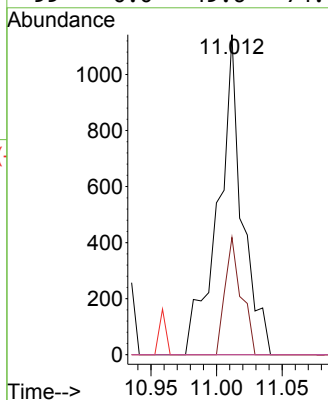
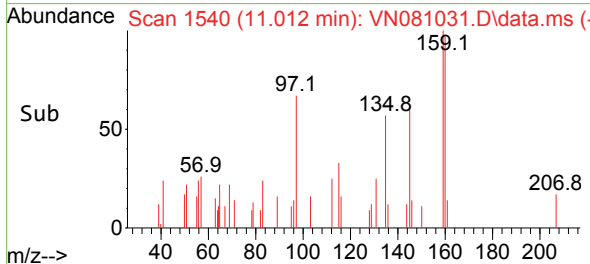


#55
 1,1,2-Trichloroethane
 Concen: 0.210 ug/l
 RT: 11.012 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VN081031.D
 Acq: 14 Feb 2024 17:43

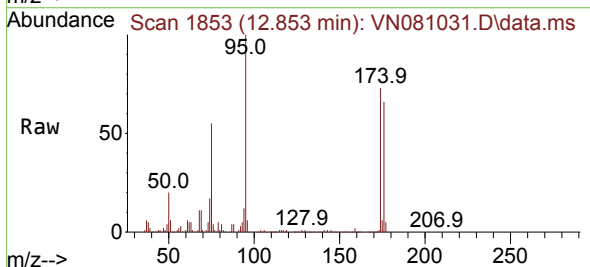
Instrument :
 MSVOA_N
 ClientSampleId :



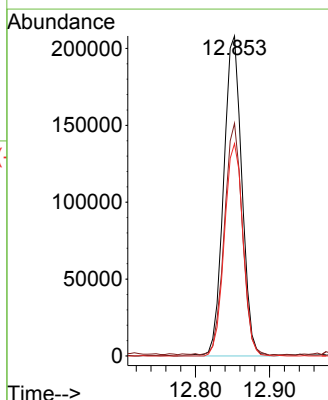
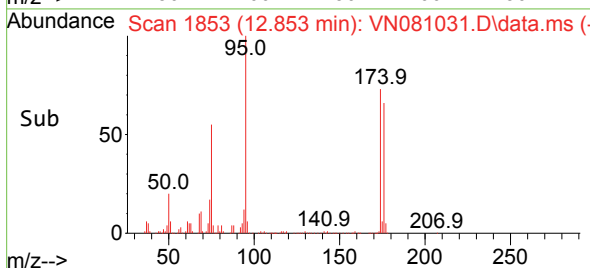
Tgt Ion: 97 Resp: 1454
 Ion Ratio Lower Upper
 97 100
 83 36.7 72.9 109.3#
 85 0.0 50.2 75.2#
 99 0.0 49.6 74.4#

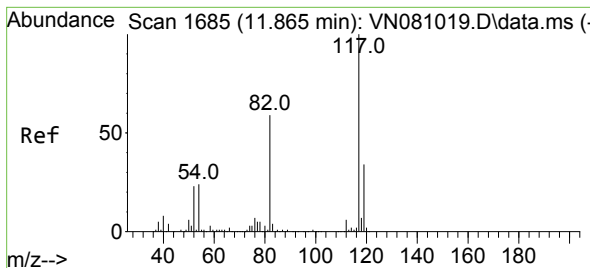


#62
 4-Bromofluorobenzene
 Concen: 49.611 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN081031.D
 Acq: 14 Feb 2024 17:43



Tgt Ion: 95 Resp: 355854
 Ion Ratio Lower Upper
 95 100
 174 71.1 0.0 120.4
 176 67.7 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081031.D

Acq: 14 Feb 2024 17:43

Instrument :

MSVOA_N

ClientSampleId :

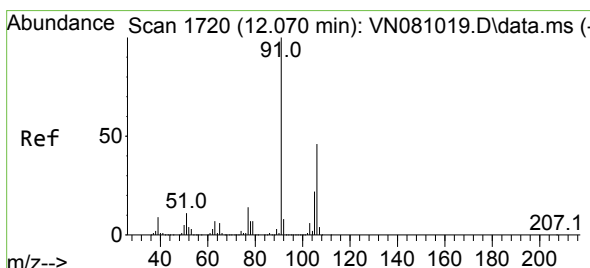
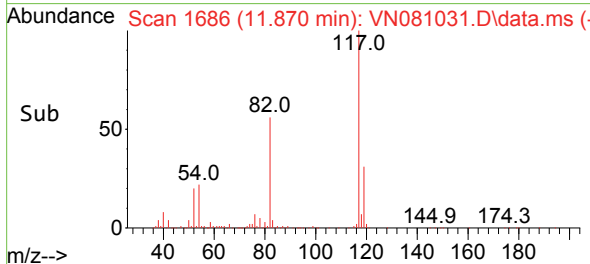
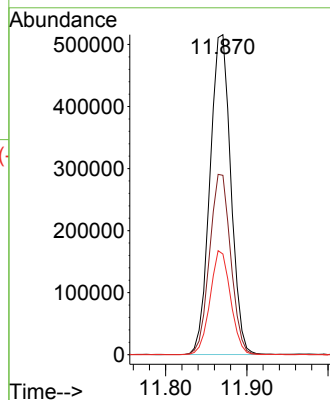
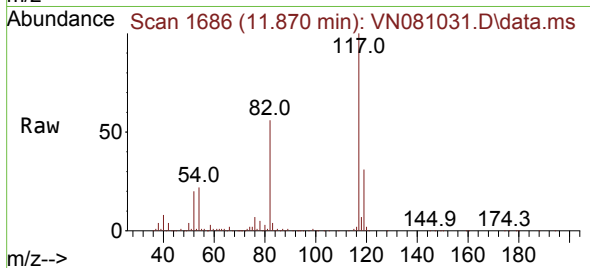
Tgt Ion:117 Resp: 921339

Ion Ratio Lower Upper

117 100

82 56.0 52.7 79.1

119 31.5 25.3 37.9



#68

m/p-Xylenes

Concen: 0.459 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN081031.D

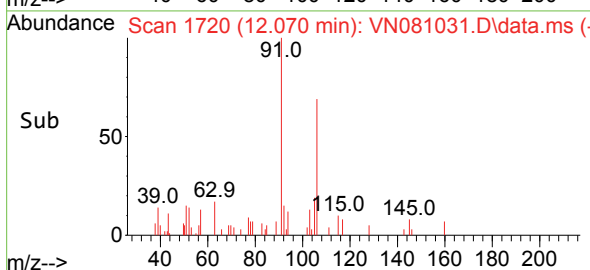
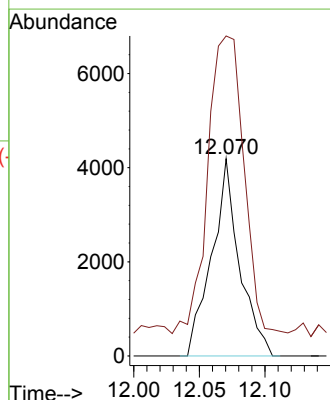
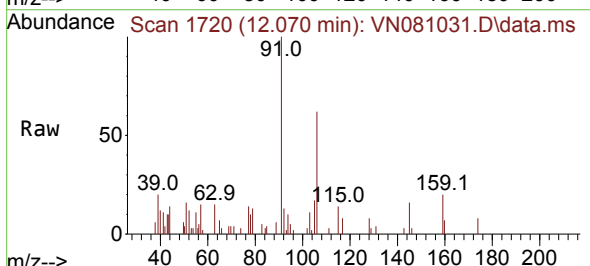
Acq: 14 Feb 2024 17:43

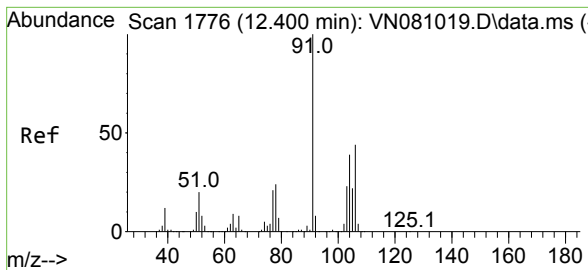
Tgt Ion:106 Resp: 6159

Ion Ratio Lower Upper

106 100

91 194.8 169.0 253.6

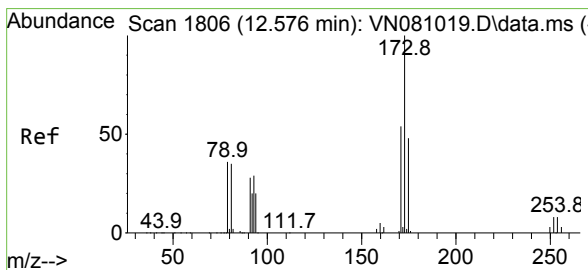
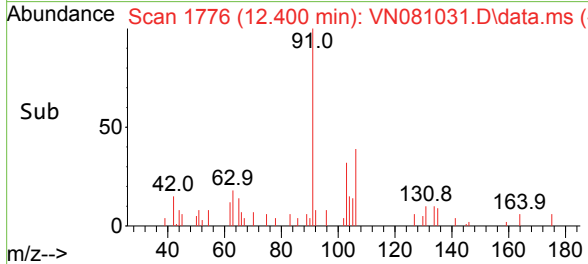
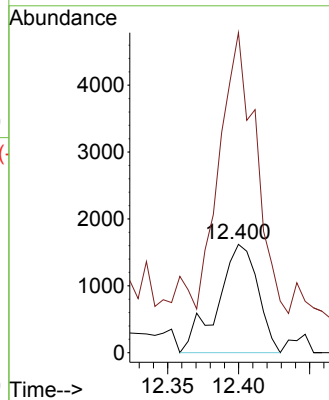
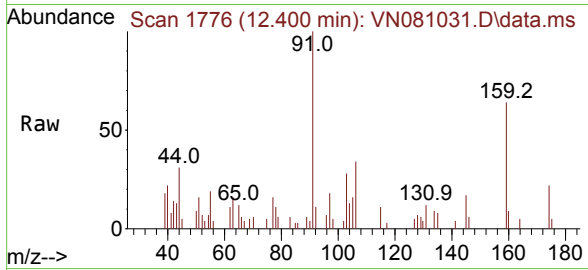




#69
o-Xylene
Concen: 0.243 ug/l
RT: 12.400 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081031.D
Acq: 14 Feb 2024 17:43

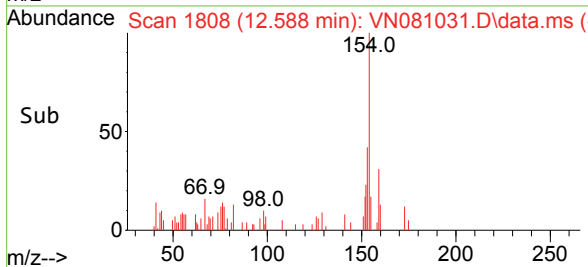
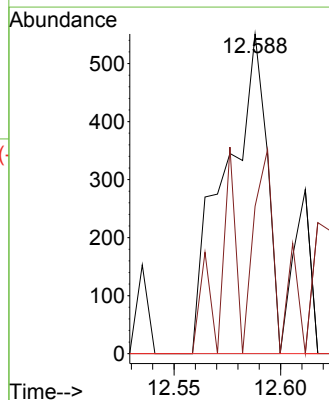
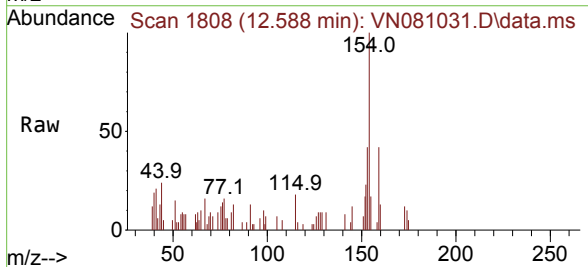
Instrument :
MSVOA_N
ClientSampleId :

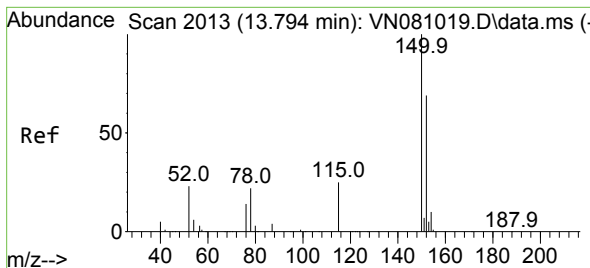
Tgt Ion:106 Resp: 3164
Ion Ratio Lower Upper
106 100
91 275.7 112.1 336.3



#71
Bromoform
Concen: 0.221 ug/l
RT: 12.588 min Scan# 1808
Delta R.T. 0.012 min
Lab File: VN081031.D
Acq: 14 Feb 2024 17:43

Tgt Ion:173 Resp: 748
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

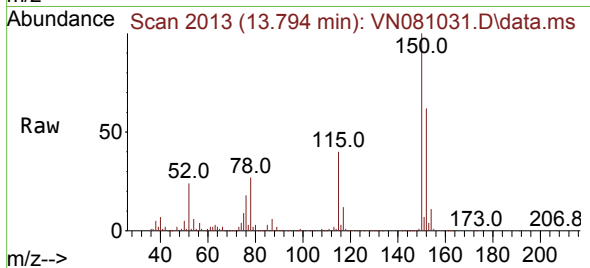
Lab File: VN081031.D

Acq: 14 Feb 2024 17:43

Instrument :

MSVOA_N

ClientSampleId :



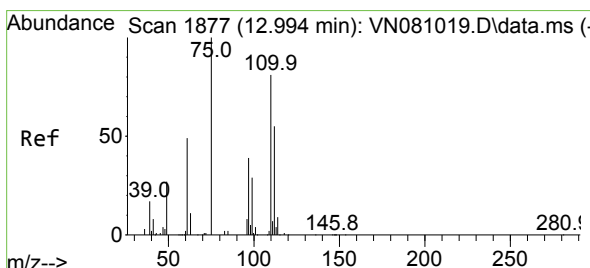
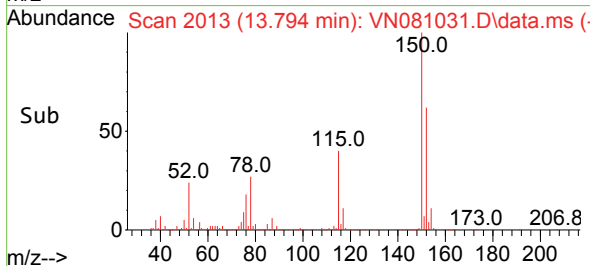
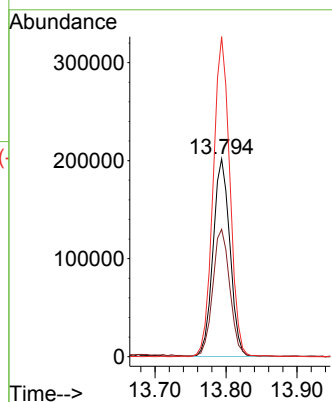
Tgt Ion:152 Resp: 331033

Ion Ratio Lower Upper

152 100

115 65.5 32.3 96.8

150 160.9 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 26.373 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081031.D

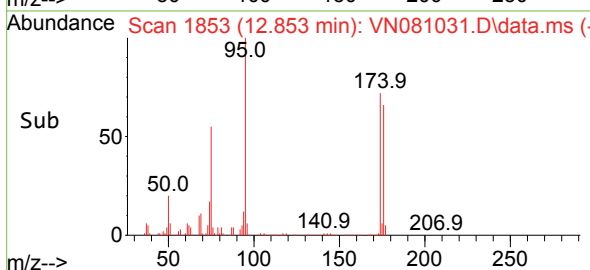
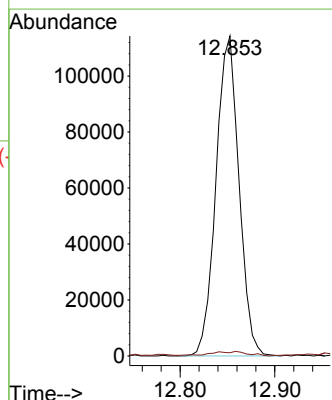
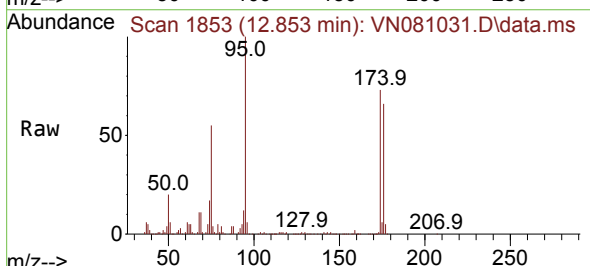
Acq: 14 Feb 2024 17:43

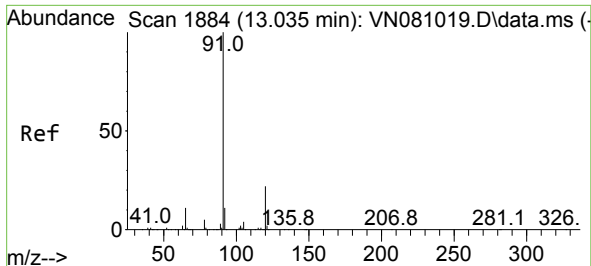
Tgt Ion: 75 Resp: 192905

Ion Ratio Lower Upper

75 100

77 2.3 91.0 272.8#

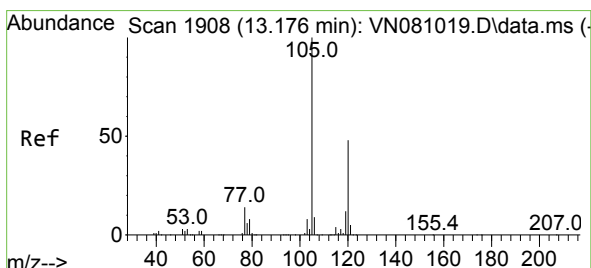
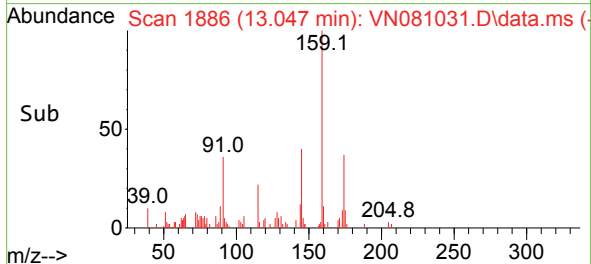
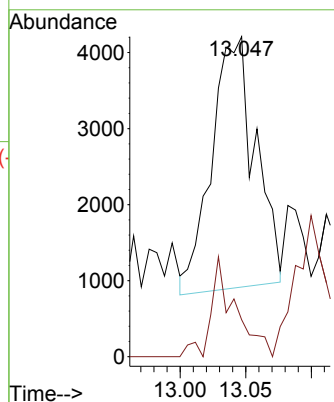
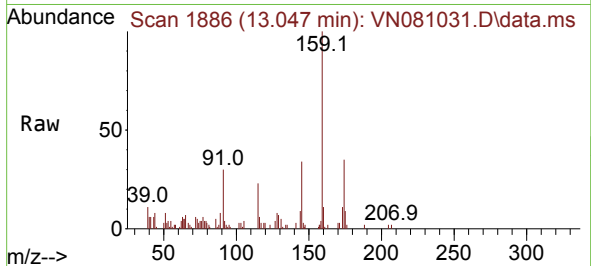




#78
n-propylbenzene
Concen: 0.201 ug/l
RT: 13.047 min Scan# 1886
Delta R.T. 0.012 min
Lab File: VN081031.D
Acq: 14 Feb 2024 17:43

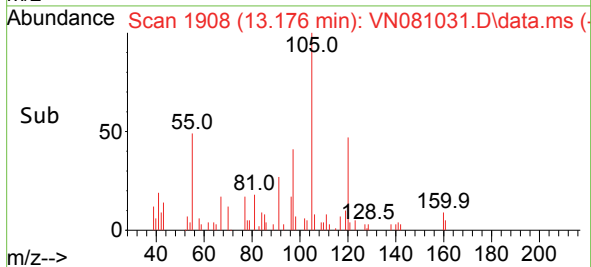
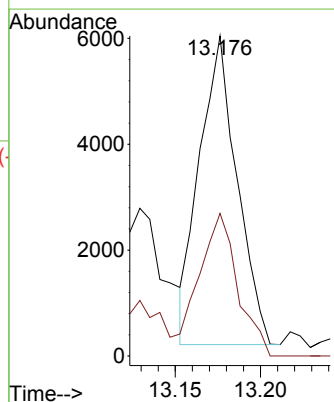
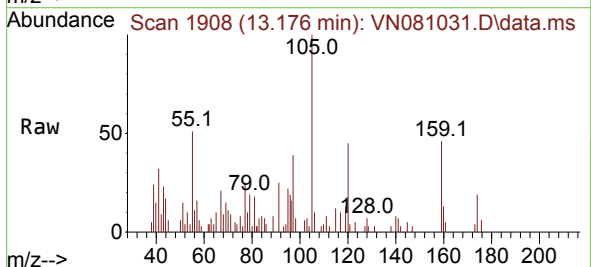
Instrument :
MSVOA_N
ClientSampleId :

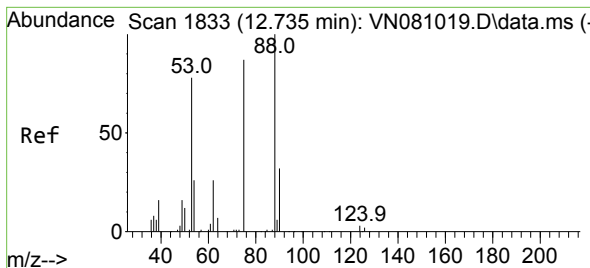
Tgt Ion: 91 Resp: 7672
Ion Ratio Lower Upper
91 100
120 22.4 10.3 30.9



#80
1,3,5-Trimethylbenzene
Concen: 0.343 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN081031.D
Acq: 14 Feb 2024 17:43

Tgt Ion: 105 Resp: 8912
Ion Ratio Lower Upper
105 100
120 48.1 23.0 69.0

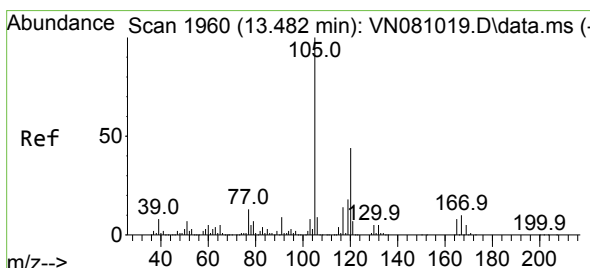
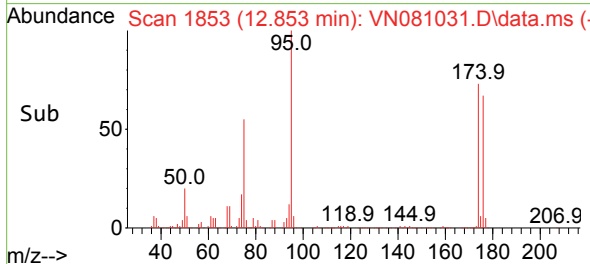
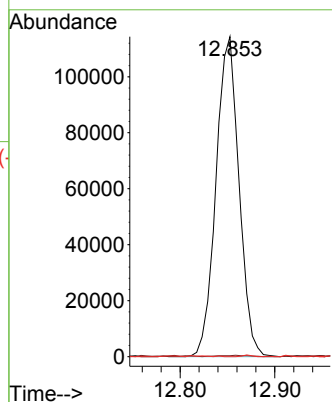
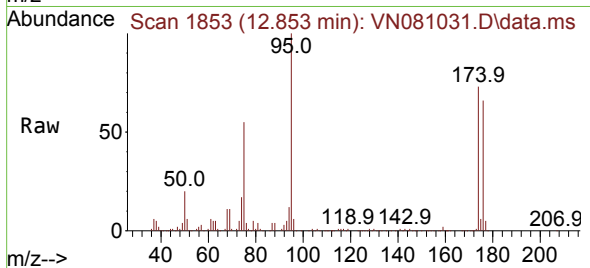




#81
trans-1,4-Dichloro-2-butene
Concen: 61.393 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN081031.D
Acq: 14 Feb 2024 17:43

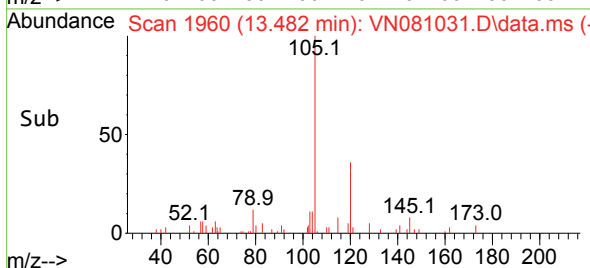
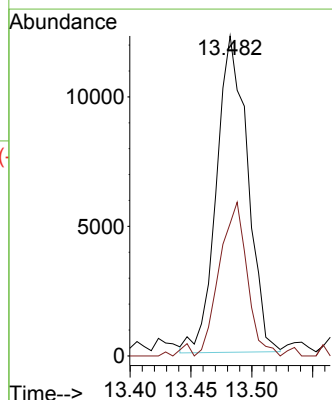
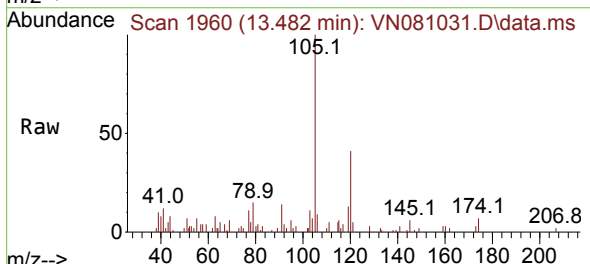
Instrument :
MSVOA_N
ClientSampleId :

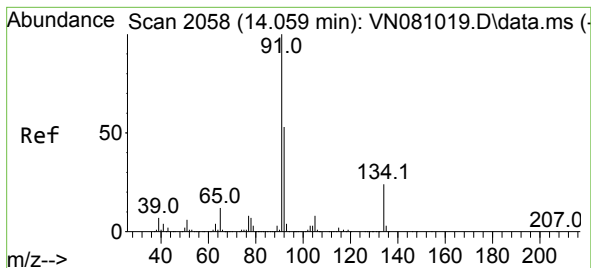
Tgt Ion: 75 Resp: 192905
Ion Ratio Lower Upper
75 100
53 0.5 71.4 107.2#
89 0.2 33.4 50.0#



#84
1,2,4-Trimethylbenzene
Concen: 0.870 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN081031.D
Acq: 14 Feb 2024 17:43

Tgt Ion: 105 Resp: 21756
Ion Ratio Lower Upper
105 100
120 43.1 20.9 62.7





#89

n-Butylbenzene

Concen: 0.548 ug/l

RT: 14.047 min Scan# 2056

Delta R.T. -0.012 min

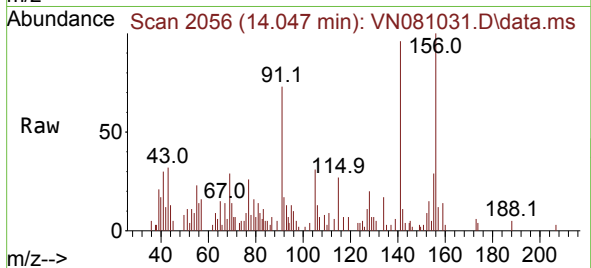
Lab File: VN081031.D

Acq: 14 Feb 2024 17:43

Instrument :

MSVOA_N

ClientSampleId :



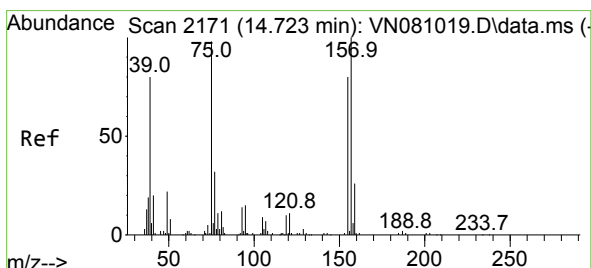
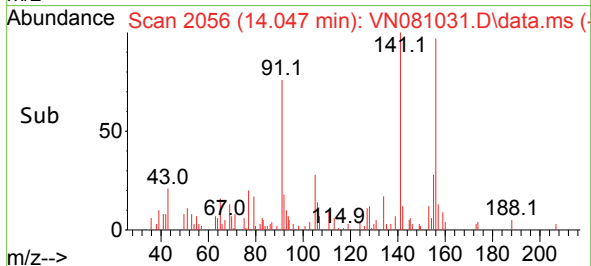
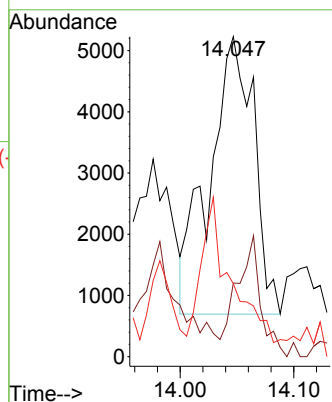
Tgt Ion: 91 Resp: 12302

Ion Ratio Lower Upper

91 100

92 23.3 26.7 80.1#

134 0.0 10.8 32.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.711 min Scan# 2169

Delta R.T. -0.012 min

Lab File: VN081031.D

Acq: 14 Feb 2024 17:43

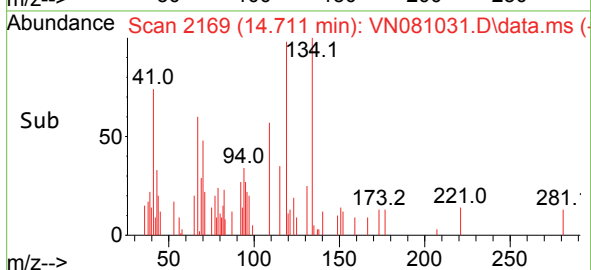
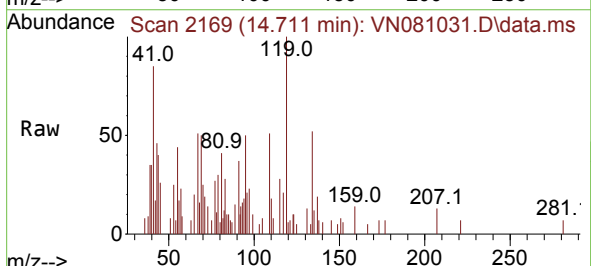
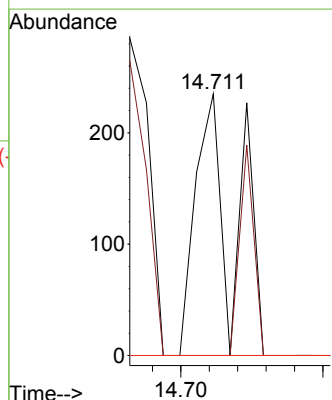
Tgt Ion: 75 Resp: 221

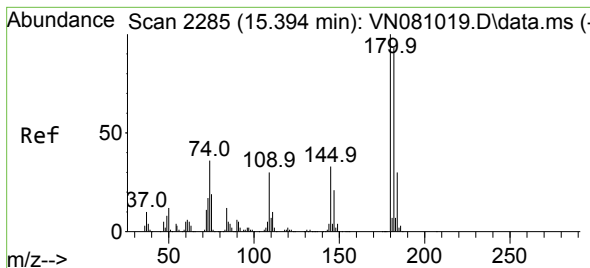
Ion Ratio Lower Upper

75 100

155 30.3 31.8 95.4#

157 0.0 41.1 123.4#





#93

1,2,4-Trichlorobenzene

Concen: 0.201 ug/l

RT: 15.406 min Scan# 2287

Delta R.T. 0.011 min

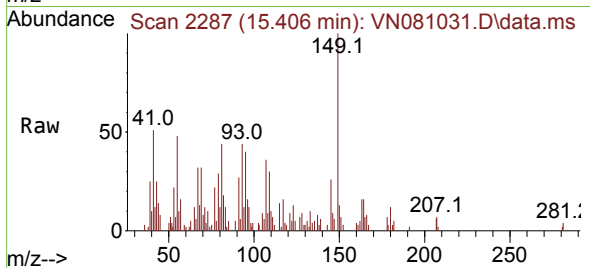
Lab File: VN081031.D

Acq: 14 Feb 2024 17:43

Instrument :

MSVOA_N

ClientSampleId :



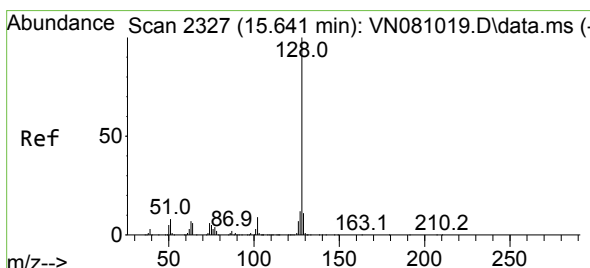
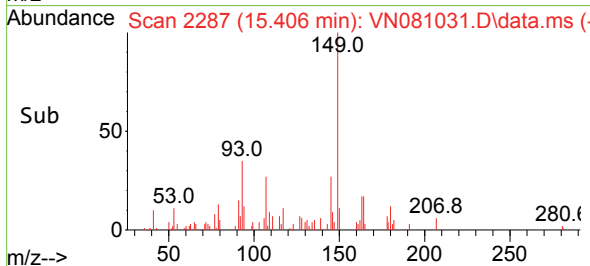
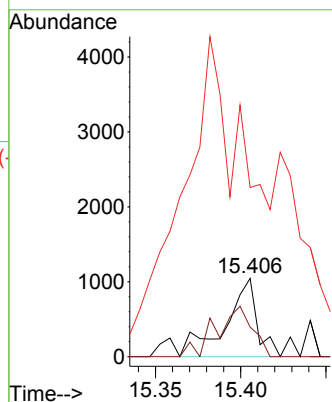
Tgt Ion:180 Resp: 1348

Ion Ratio Lower Upper

180 100

182 74.0 46.6 139.7

145 0.0 16.8 50.3#



#95

Naphthalene

Concen: 1.108 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN081031.D

Acq: 14 Feb 2024 17:43

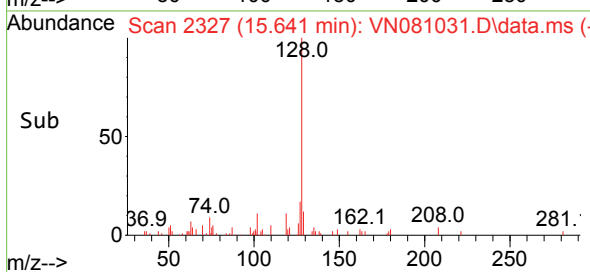
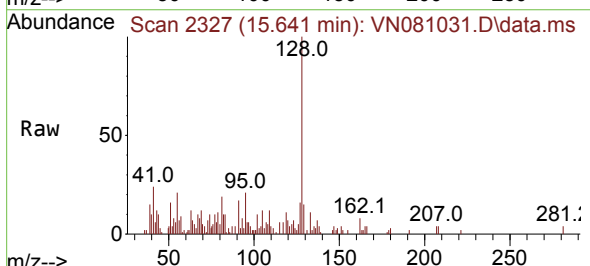
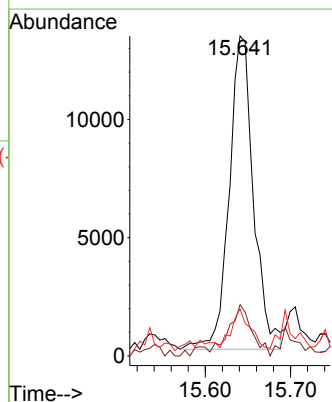
Tgt Ion:128 Resp: 26368

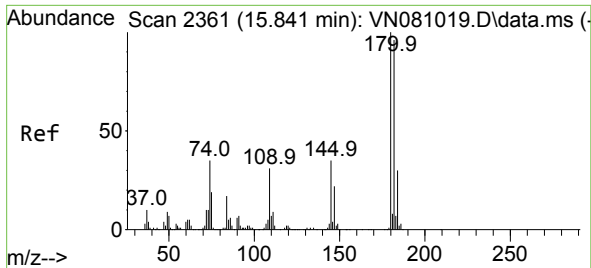
Ion Ratio Lower Upper

128 100

127 15.3 10.0 15.0#

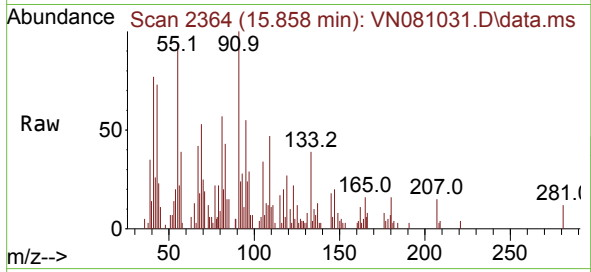
129 12.4 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.237 ug/l
 RT: 15.858 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: VN081031.D
 Acq: 14 Feb 2024 17:43

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1553
 Ion Ratio Lower Upper
 180 100
 182 52.4 46.5 139.3
 145 0.0 17.8 53.4#

