

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032024\
 Data File : VN081487.D
 Acq On : 20 Mar 2024 12:26
 Operator : JC\MD
 Sample : VN0320MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 21 01:16:23 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

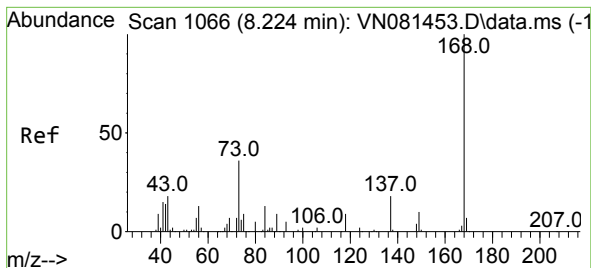
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	476534	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	787561	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	658150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	259697	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	279953	46.067	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.140%		
35) Dibromofluoromethane	8.165	113	237852	47.855	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.700%		
50) Toluene-d8	10.565	98	895641	49.849	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.700%		
62) 4-Bromofluorobenzene	12.847	95	273546	43.208	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	86.420%		
Target Compounds						Qvalue
5) Bromomethane	2.971	94	3109	0.613	ug/l	93
13) Acrolein	4.165	56	329	0.346	ug/l	# 2
15) Acrylonitrile	5.718	53	1905	0.672	ug/l	# 69
16) Acetone	4.424	43	434	0.221	ug/l	# 44
17) Carbon Disulfide	4.712	76	7881	0.488	ug/l	# 93
31) Cyclohexane	8.218	56	10669	1.079	ug/l	# 1
36) 1,1-Dichloropropene	8.230	75	36721	4.390	ug/l	# 51
38) Carbon Tetrachloride	8.218	117	47413	5.174	ug/l	# 18
49) 1,4-Dioxane	9.859	88	69	0.524	ug/l	# 18
56) Ethyl methacrylate	10.865	69	131	0.586	ug/l	# 45
76) 1,2,3-Trichloropropane	12.853	75	147700	23.776	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	147700	64.251	ug/l	# 14
87) 1,3-Dichlorobenzene	13.729	146	2628	0.262	ug/l	85
88) 1,4-Dichlorobenzene	13.729	146	2628	0.253	ug/l	85
91) 1,2-Dichlorobenzene	14.117	146	2206	0.228	ug/l	80
93) 1,2,4-Trichlorobenzene	15.406	180	3222	0.576	ug/l	89
94) Hexachlorobutadiene	15.506	225	2212	0.902	ug/l	97
95) Naphthalene	15.641	128	9282	0.512	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	2813	0.500	ug/l	# 75

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

Quant Time: Mar 21 01:16:23 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081487.D

Acq: 20 Mar 2024 12:26

Instrument :

MSVOA_N

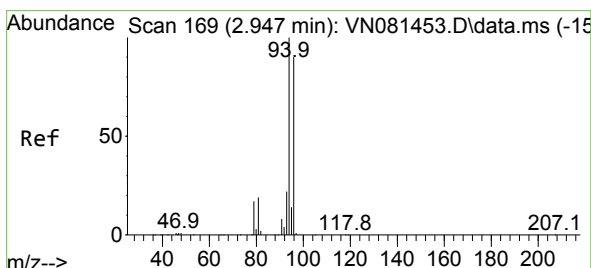
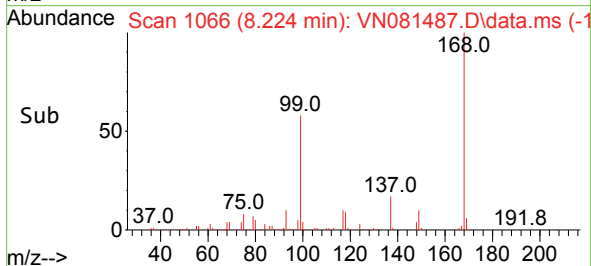
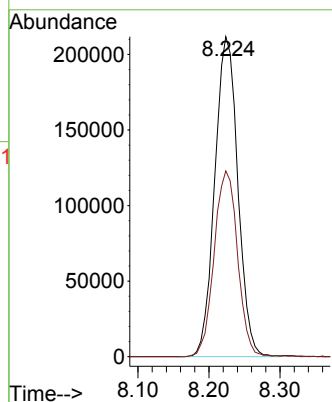
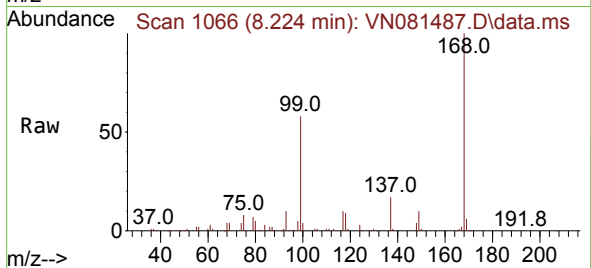
ClientSampleId :

Tgt Ion:168 Resp: 476534

Ion Ratio Lower Upper

168 100

99 58.0 59.9 89.9#



#5

Bromomethane

Concen: 0.613 ug/l

RT: 2.971 min Scan# 173

Delta R.T. 0.024 min

Lab File: VN081487.D

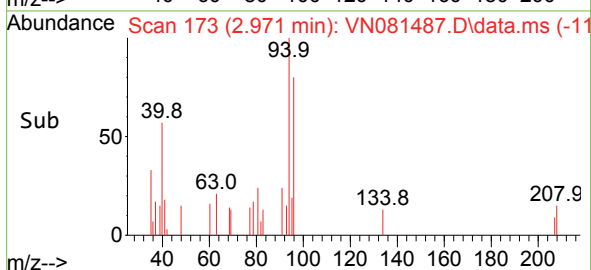
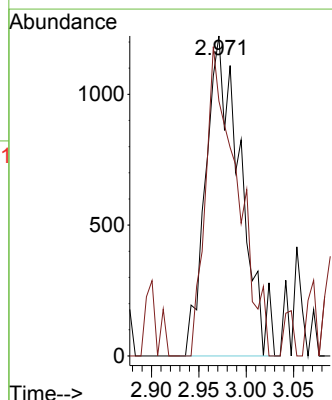
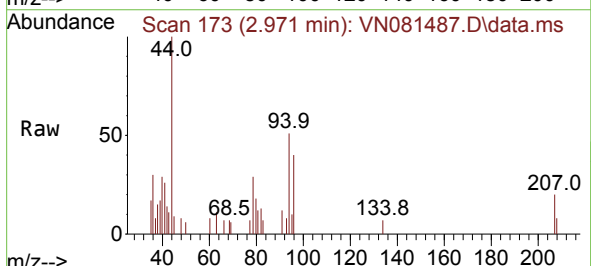
Acq: 20 Mar 2024 12:26

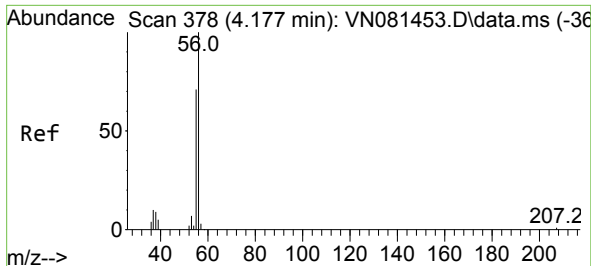
Tgt Ion: 94 Resp: 3109

Ion Ratio Lower Upper

94 100

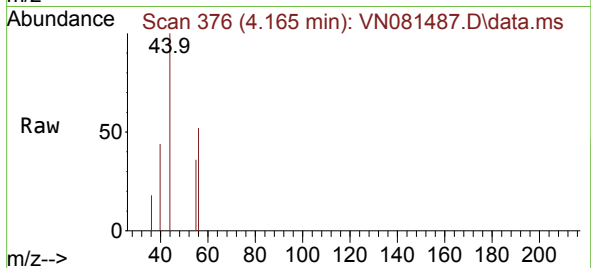
96 79.6 69.2 103.8



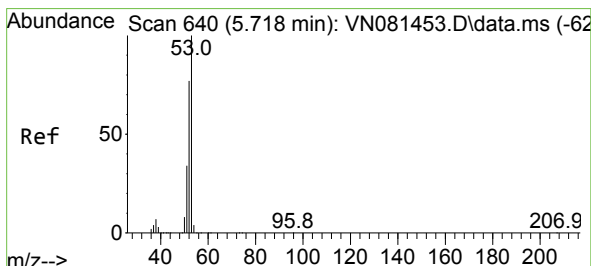
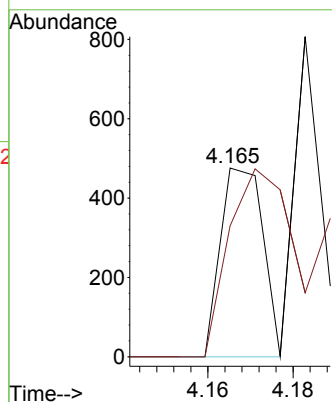
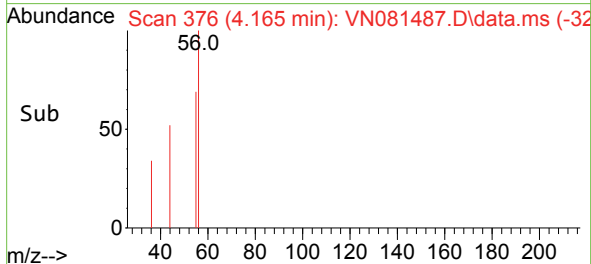


#13
Acrolein
Concen: 0.346 ug/l
RT: 4.165 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN081487.D
Acq: 20 Mar 2024 12:26

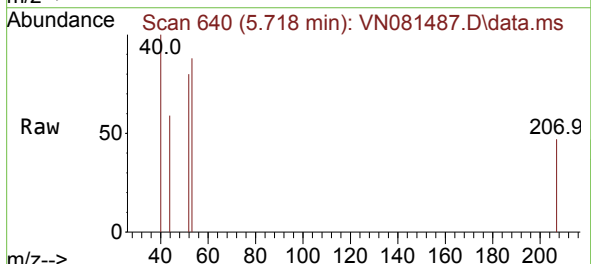
Instrument :
MSVOA_N
ClientSampleId :



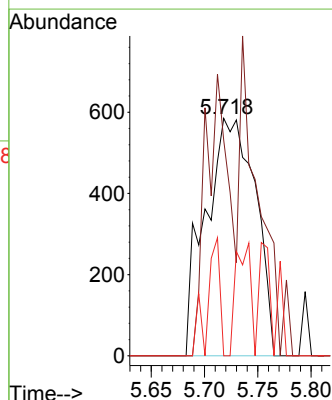
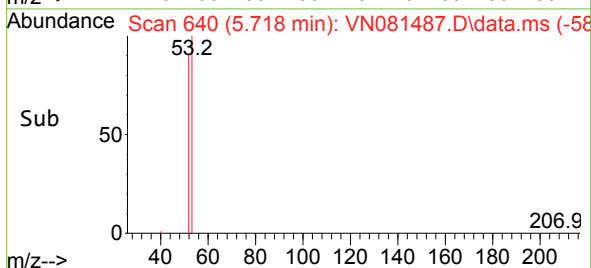
Tgt Ion: 56 Resp: 329
Ion Ratio Lower Upper
56 100
55 148.6 55.3 82.9#

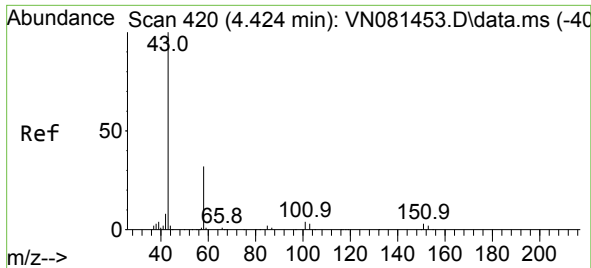


#15
Acrylonitrile
Concen: 0.672 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN081487.D
Acq: 20 Mar 2024 12:26



Tgt Ion: 53 Resp: 1905
Ion Ratio Lower Upper
53 100
52 56.0 64.8 97.2#
51 12.7 26.9 40.3#

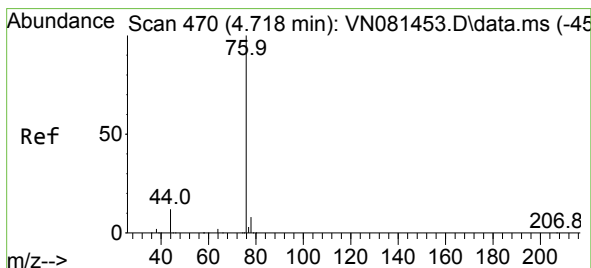
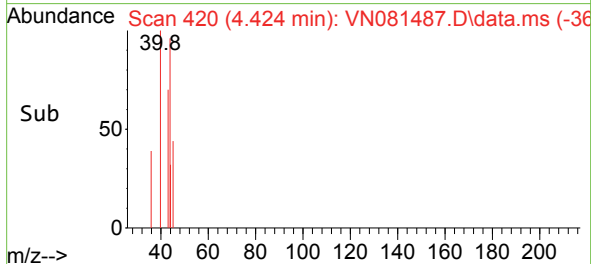
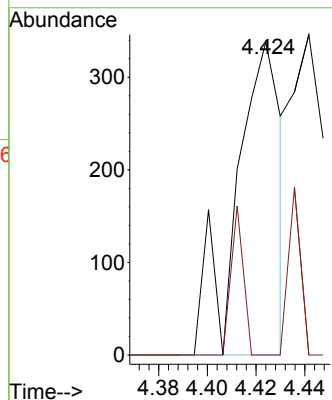
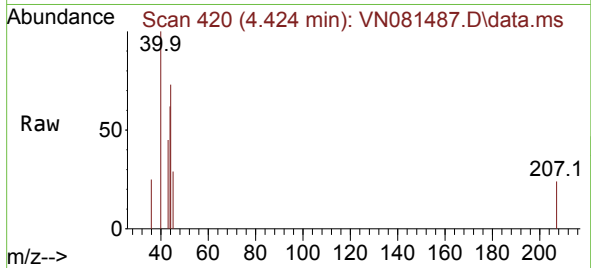




#16
Acetone
Concen: 0.221 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN081487.D
Acq: 20 Mar 2024 12:26

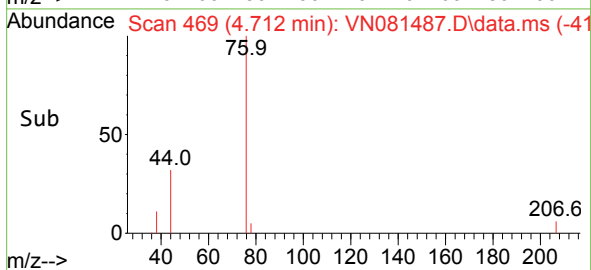
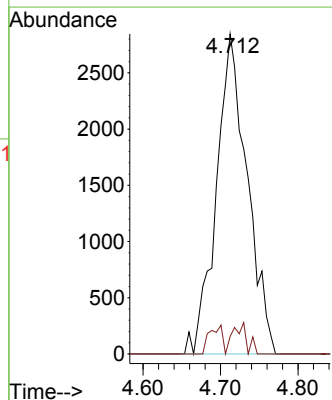
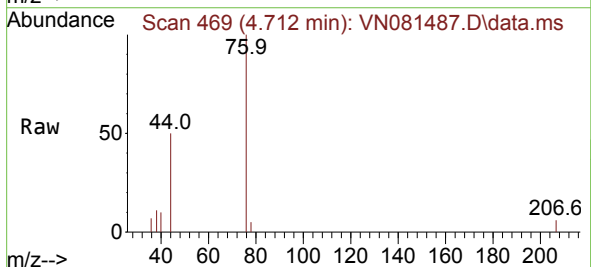
Instrument :
MSVOA_N
ClientSampleId :

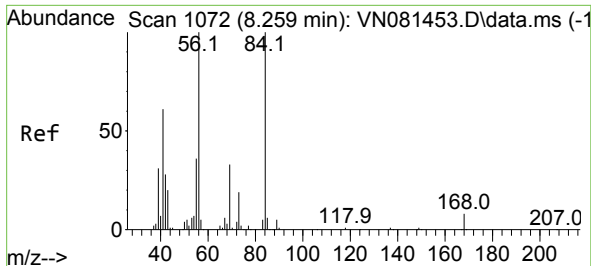
Tgt Ion: 43 Resp: 434
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#



#17
Carbon Disulfide
Concen: 0.488 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.006 min
Lab File: VN081487.D
Acq: 20 Mar 2024 12:26

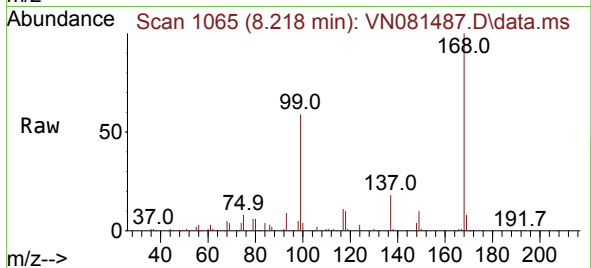
Tgt Ion: 76 Resp: 7881
Ion Ratio Lower Upper
76 100
78 5.5 6.3 9.5#



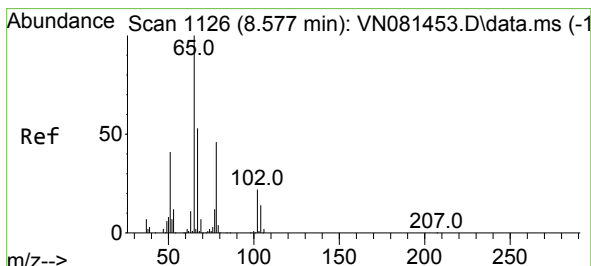
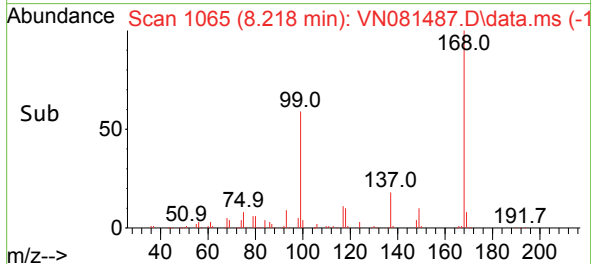
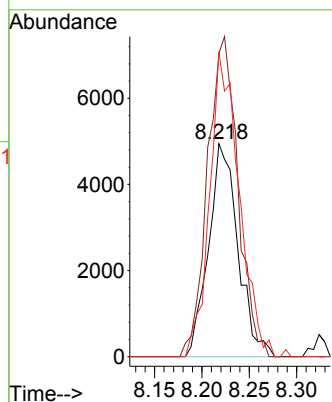


#31
Cyclohexane
Concen: 1.079 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN081487.D
Acq: 20 Mar 2024 12:26

Instrument :
MSVOA_N
ClientSampleId :

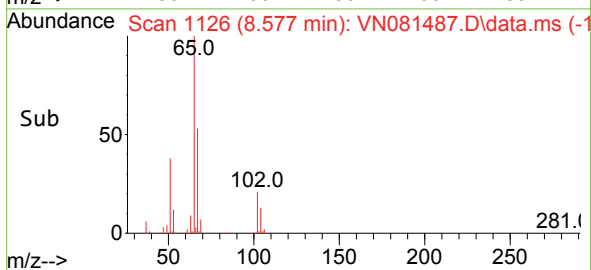
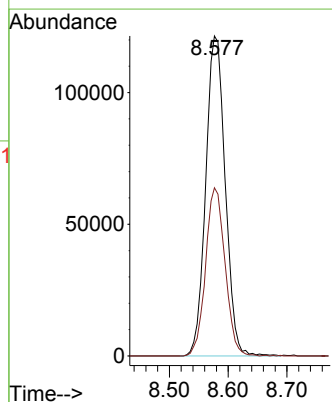
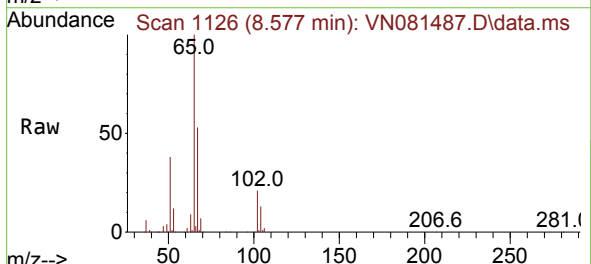


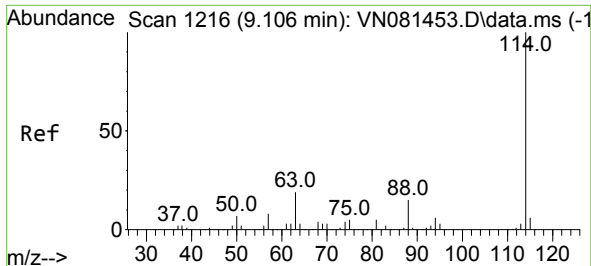
Tgt Ion: 56 Resp: 10669
Ion Ratio Lower Upper
56 100
69 142.5 20.1 30.1#
84 143.2 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 46.067 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081487.D
Acq: 20 Mar 2024 12:26

Tgt Ion: 65 Resp: 279953
Ion Ratio Lower Upper
65 100
67 52.4 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN081487.D

Acq: 20 Mar 2024 12:26

Instrument :

MSVOA_N

ClientSampleId :

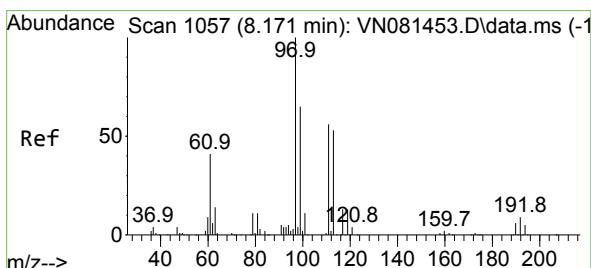
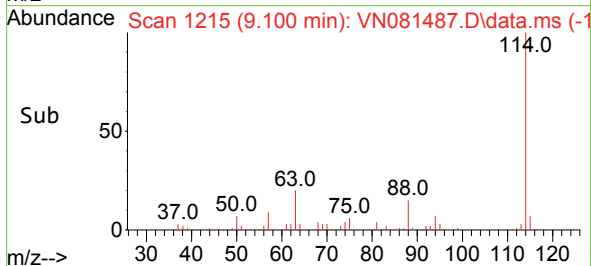
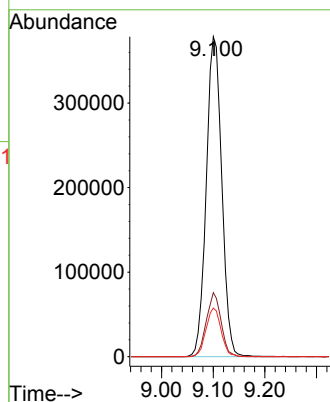
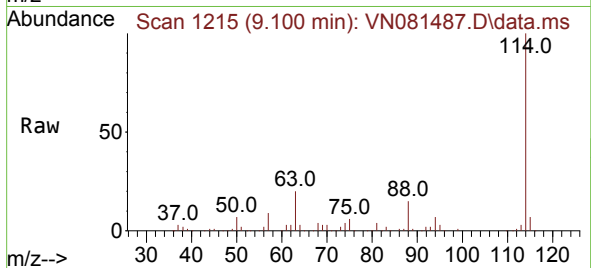
Tgt Ion:114 Resp: 787561

Ion Ratio Lower Upper

114 100

63 20.0 0.0 48.0

88 15.2 0.0 34.8



#35

Dibromofluoromethane

Concen: 47.855 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081487.D

Acq: 20 Mar 2024 12:26

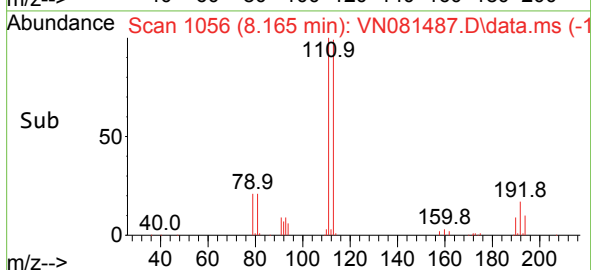
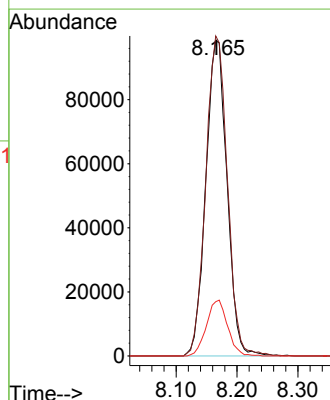
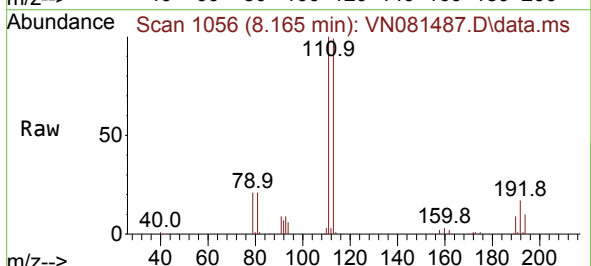
Tgt Ion:113 Resp: 237852

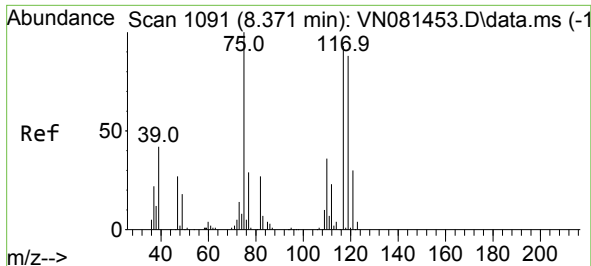
Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

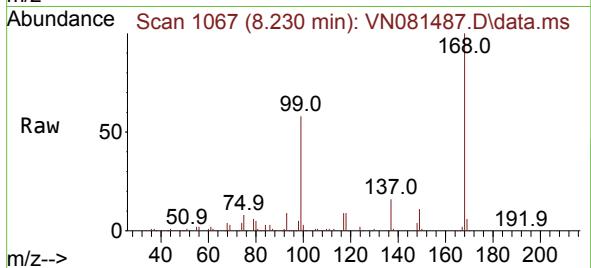
192 17.7 12.5 18.7



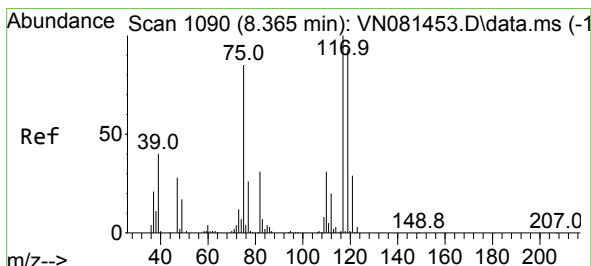
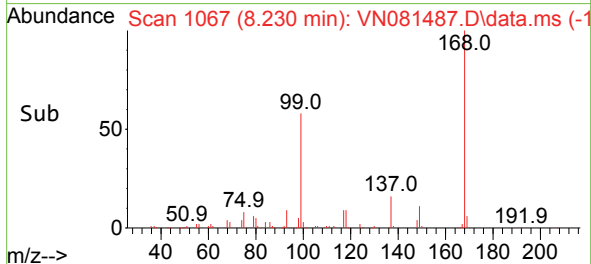
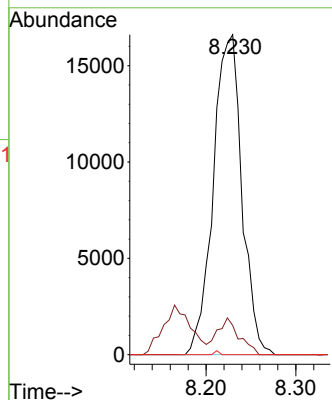


#36
1,1-Dichloropropene
Concen: 4.390 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN081487.D
Acq: 20 Mar 2024 12:26

Instrument :
MSVOA_N
ClientSampleId :

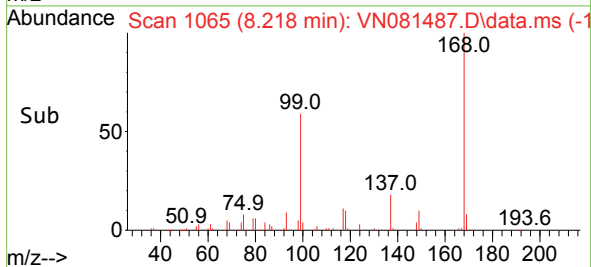
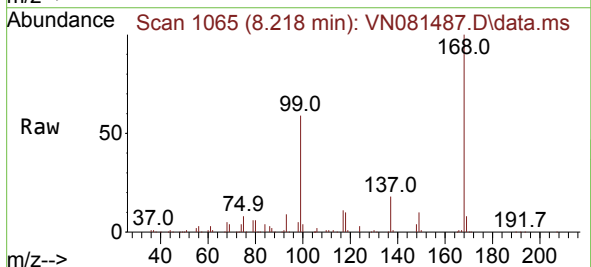
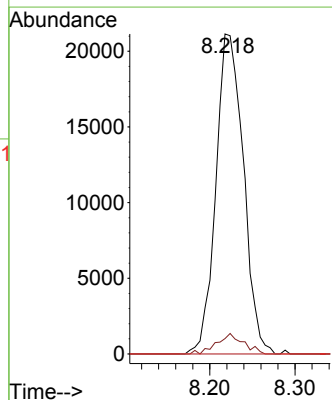


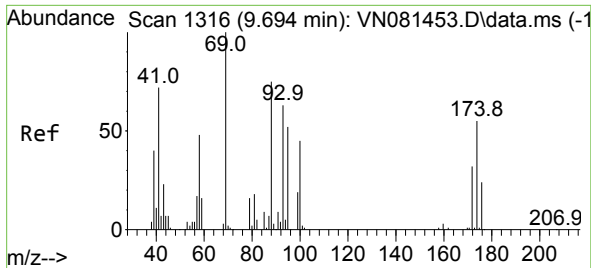
Tgt Ion: 75 Resp: 36721
Ion Ratio Lower Upper
75 100
110 9.0 16.0 48.0#
77 0.2 25.8 38.6#



#38
Carbon Tetrachloride
Concen: 5.174 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN081487.D
Acq: 20 Mar 2024 12:26

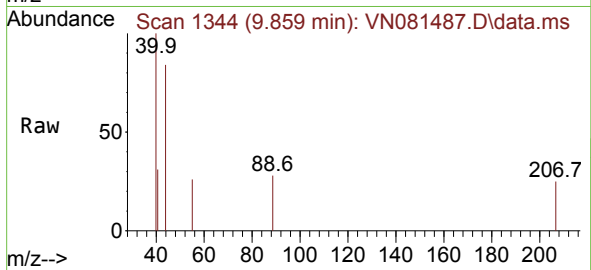
Tgt Ion: 117 Resp: 47413
Ion Ratio Lower Upper
117 100
119 4.8 73.4 110.2#
121 0.0 24.4 36.6#



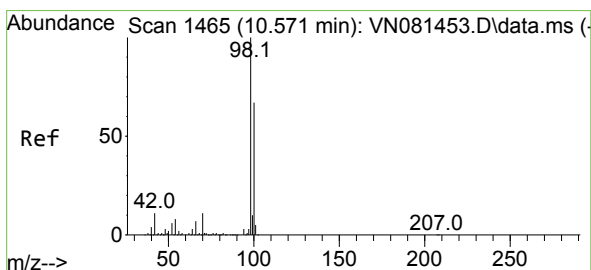
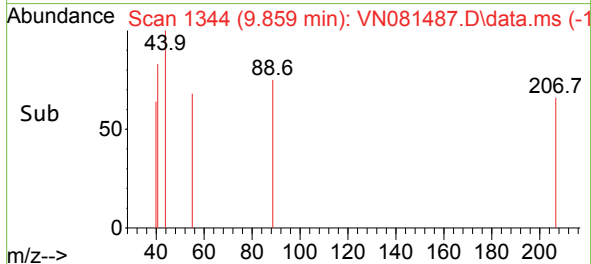
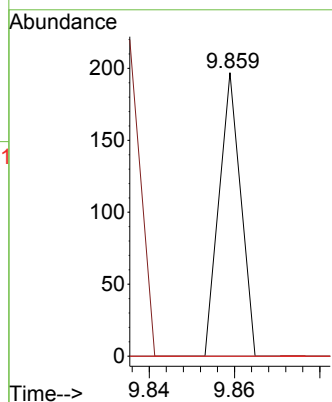


#49
1,4-Dioxane
Concen: 0.524 ug/l
RT: 9.859 min Scan# 11
Delta R.T. 0.165 min
Lab File: VN081487.D
Acq: 20 Mar 2024 12:26

Instrument :
MSVOA_N
ClientSampleId :

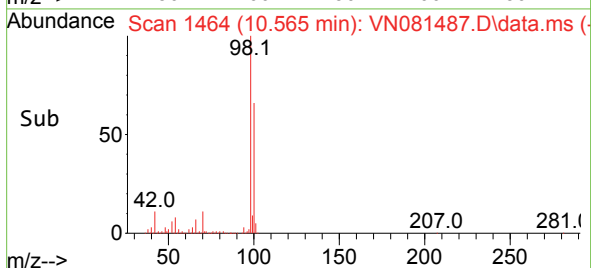
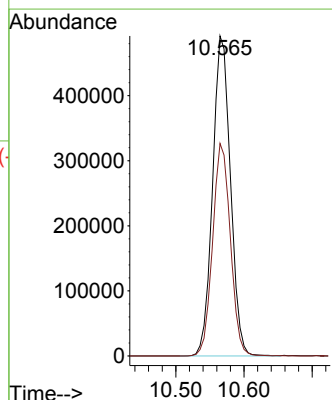
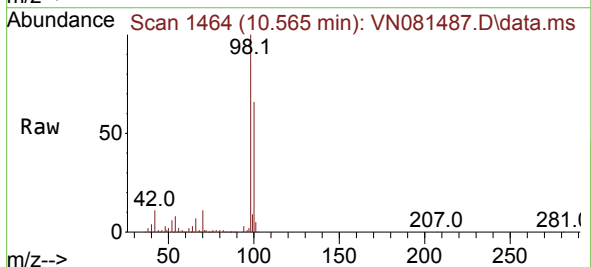


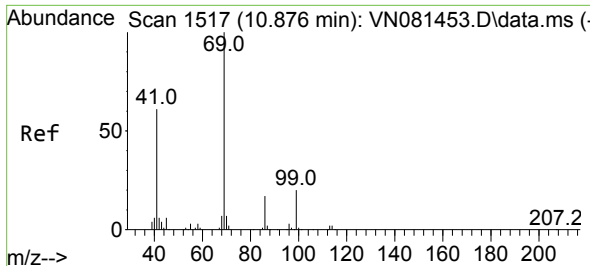
Tgt Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 63.9 95.9#



#50
Toluene-d8
Concen: 49.849 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081487.D
Acq: 20 Mar 2024 12:26

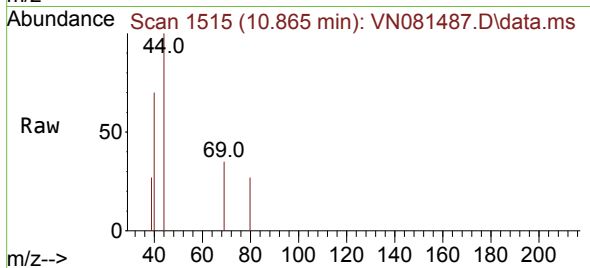
Tgt Ion: 98 Resp: 895641
Ion Ratio Lower Upper
98 100
100 66.1 51.4 77.0



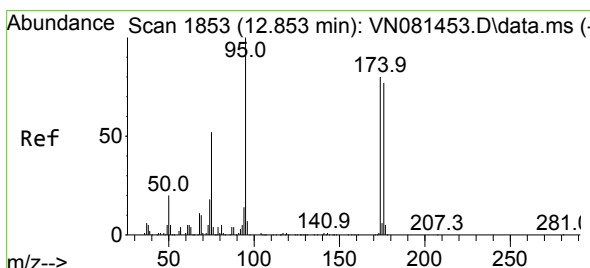
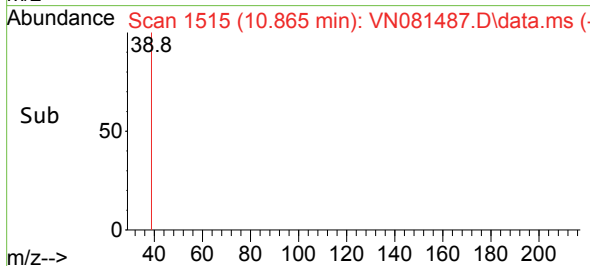
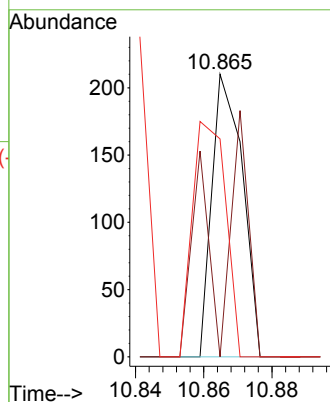


#56
Ethyl methacrylate
Concen: 0.586 ug/l
RT: 10.865 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN081487.D
Acq: 20 Mar 2024 12:26

Instrument :
MSVOA_N
ClientSampleId :

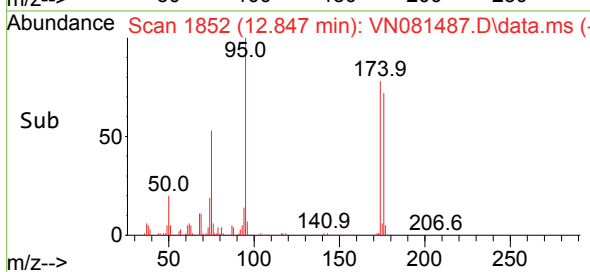
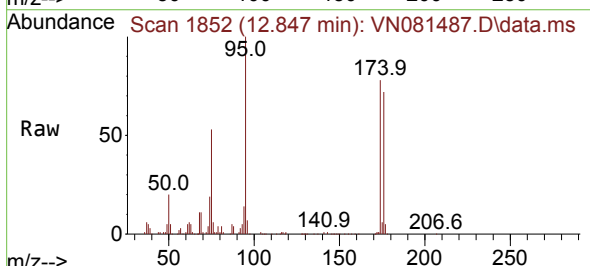
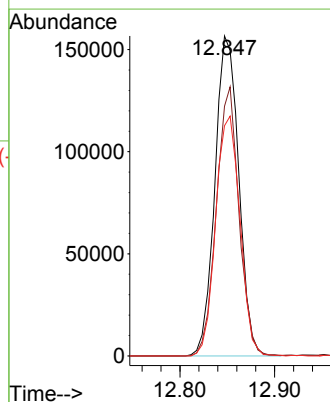


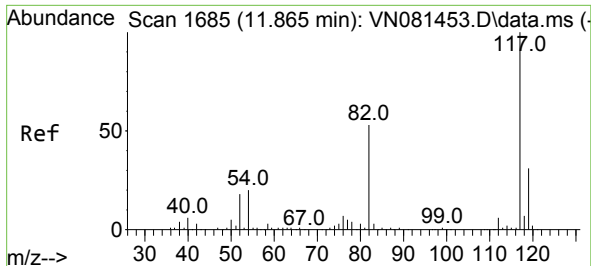
Tgt Ion: 69 Resp: 131
Ion Ratio Lower Upper
69 100
41 41.2 61.0 91.6#
39 90.8 31.8 47.6#



#62
4-Bromofluorobenzene
Concen: 43.208 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081487.D
Acq: 20 Mar 2024 12:26

Tgt Ion: 95 Resp: 273546
Ion Ratio Lower Upper
95 100
174 80.1 0.0 120.4
176 76.6 0.0 121.0

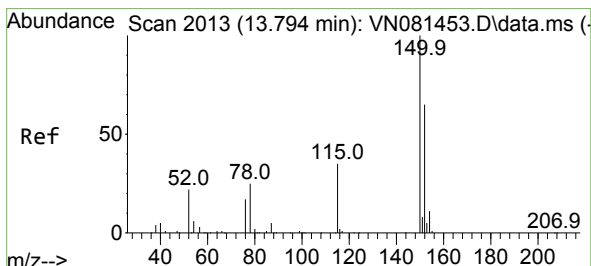
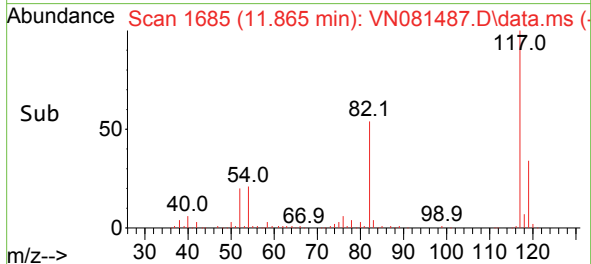
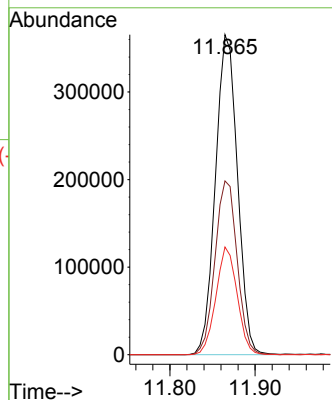
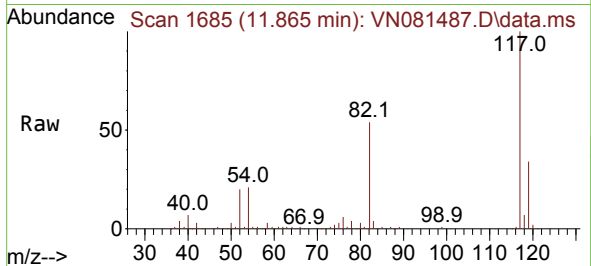




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081487.D
Acq: 20 Mar 2024 12:26

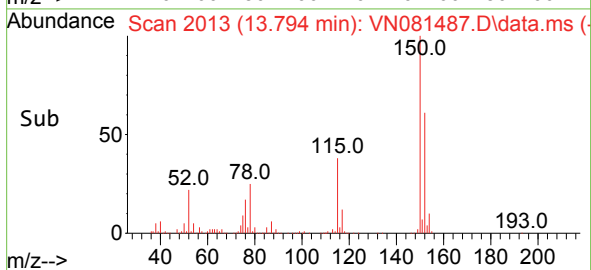
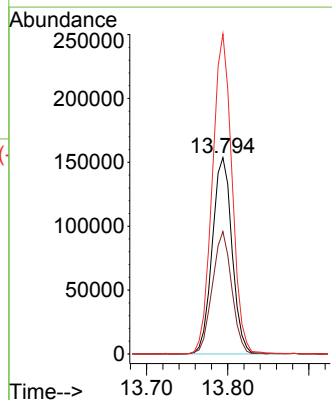
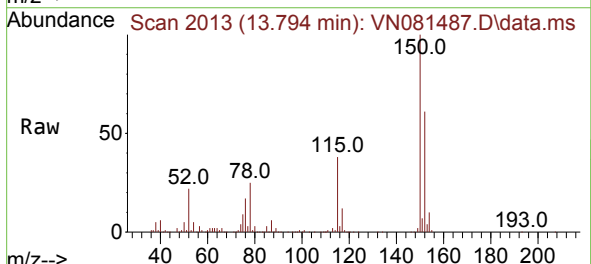
Instrument :
MSVOA_N
ClientSampleId :

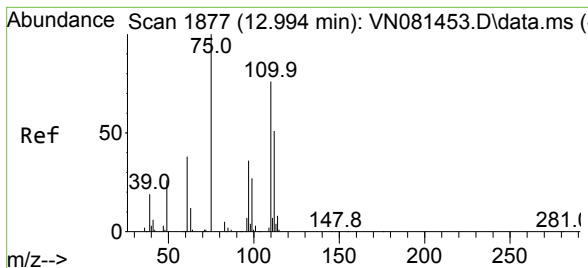
Tgt Ion:117 Resp: 658150
Ion Ratio Lower Upper
117 100
82 54.3 52.7 79.1
119 33.6 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081487.D
Acq: 20 Mar 2024 12:26

Tgt Ion:152 Resp: 259697
Ion Ratio Lower Upper
152 100
115 61.5 32.3 96.8
150 162.4 0.0 339.8

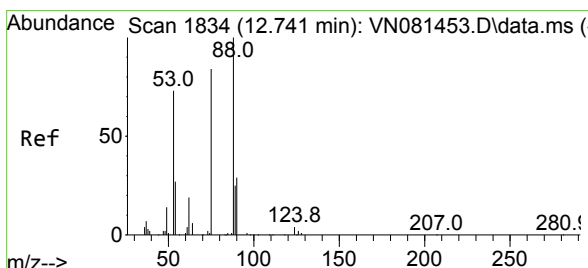
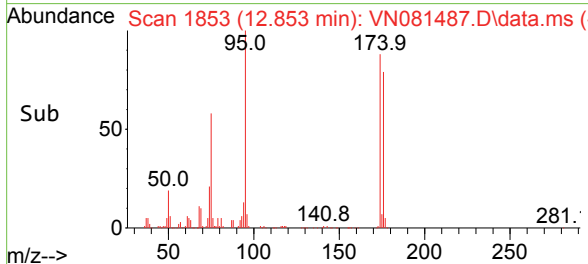
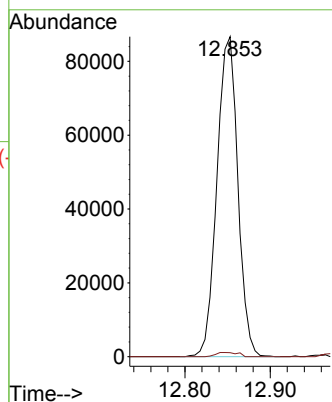
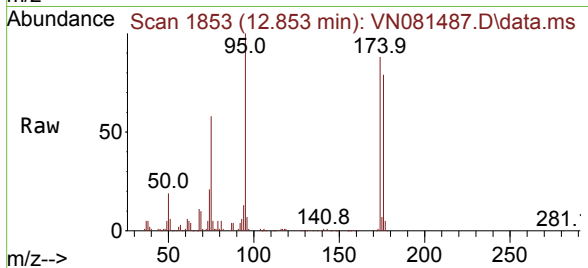




#76
1,2,3-Trichloropropane
Concen: 23.776 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081487.D
Acq: 20 Mar 2024 12:26

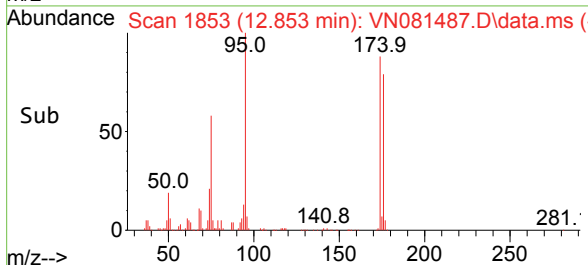
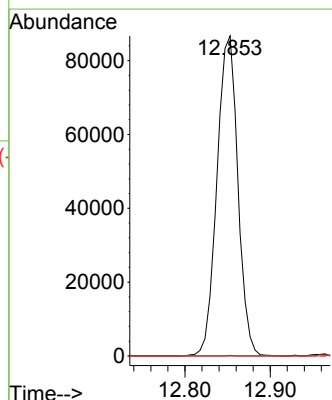
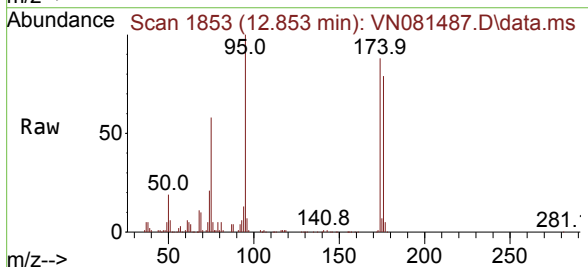
Instrument :
MSVOA_N
ClientSampleId :

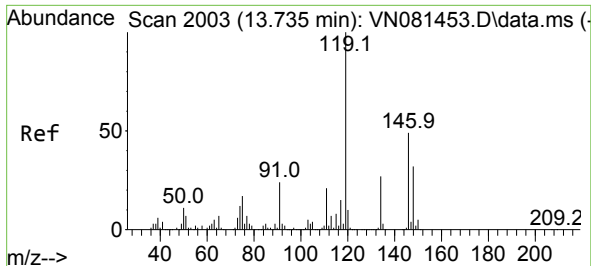
Tgt Ion: 75 Resp: 147700
Ion Ratio Lower Upper
75 100
77 1.4 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.251 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081487.D
Acq: 20 Mar 2024 12:26

Tgt Ion: 75 Resp: 147700
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

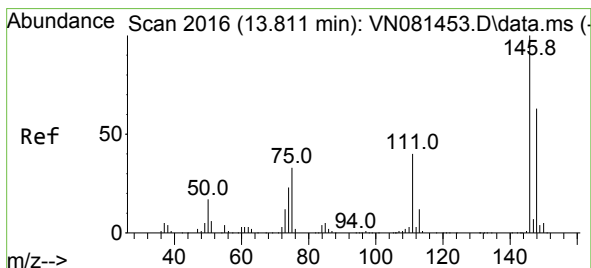
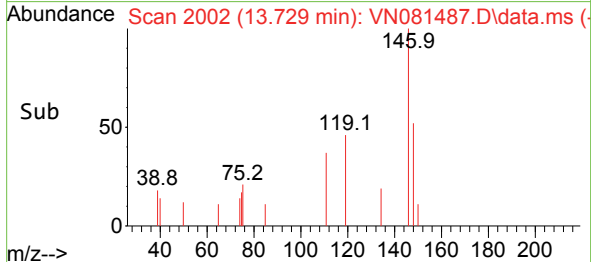
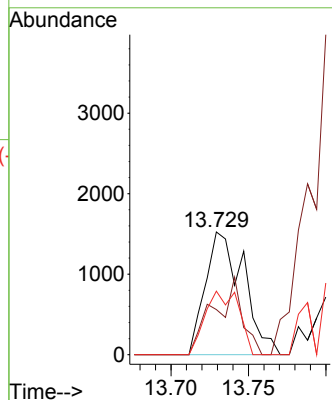
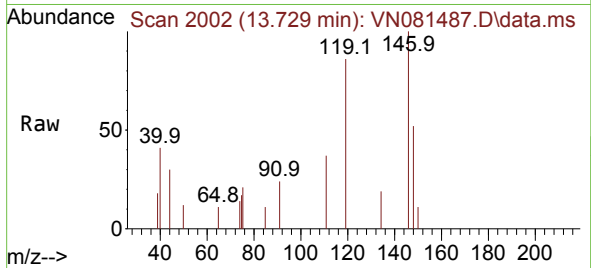




#87
1,3-Dichlorobenzene
Concen: 0.262 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.006 min
Lab File: VN081487.D
Acq: 20 Mar 2024 12:26

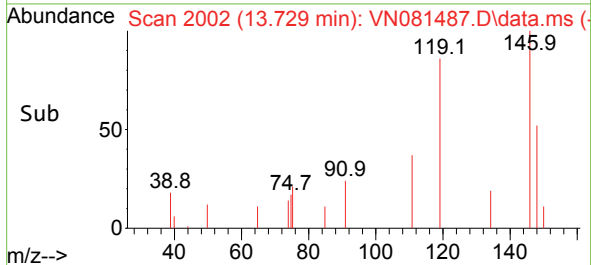
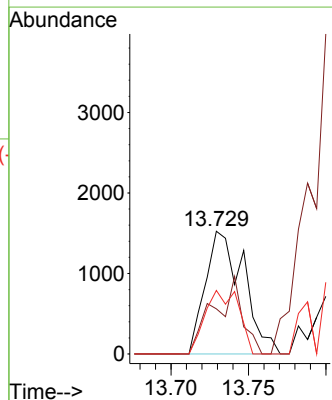
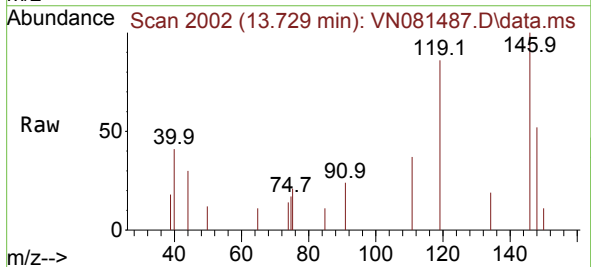
Instrument :
MSVOA_N
ClientSampleId :

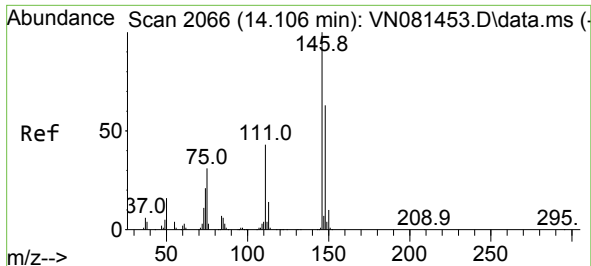
Tgt Ion:146 Resp: 2628
Ion Ratio Lower Upper
146 100
111 46.8 23.9 71.7
148 45.4 32.6 97.7



#88
1,4-Dichlorobenzene
Concen: 0.253 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.082 min
Lab File: VN081487.D
Acq: 20 Mar 2024 12:26

Tgt Ion:146 Resp: 2628
Ion Ratio Lower Upper
146 100
111 46.8 22.6 67.7
148 45.4 31.9 95.5

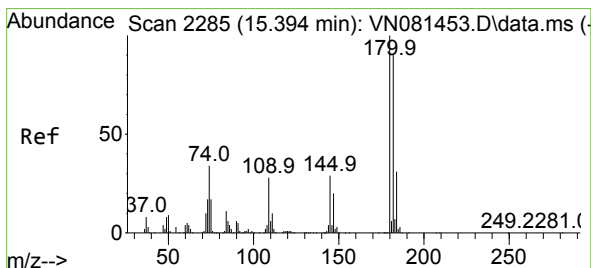
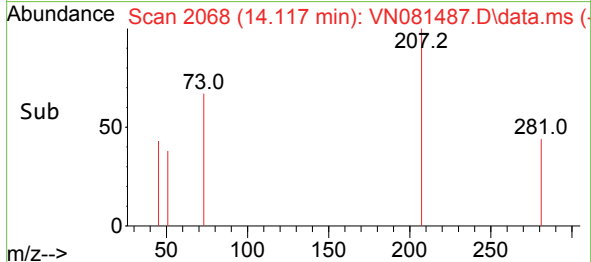
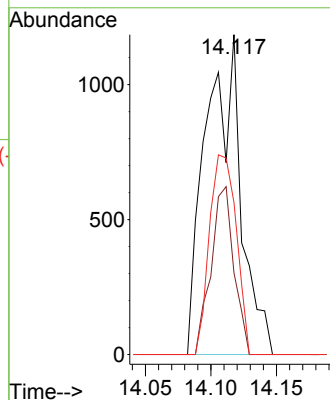
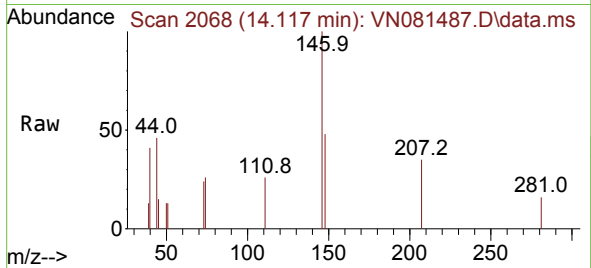




#91
1,2-Dichlorobenzene
Concen: 0.228 ug/l
RT: 14.117 min Scan# 2066
Delta R.T. 0.012 min
Lab File: VN081487.D
Acq: 20 Mar 2024 12:26

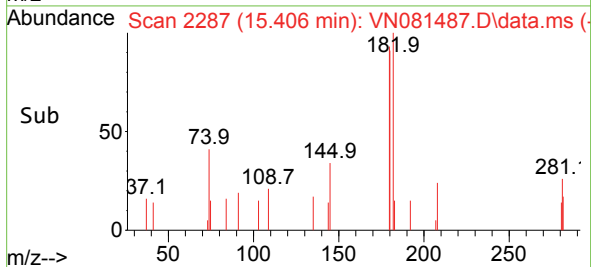
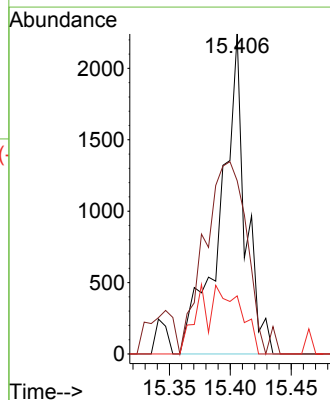
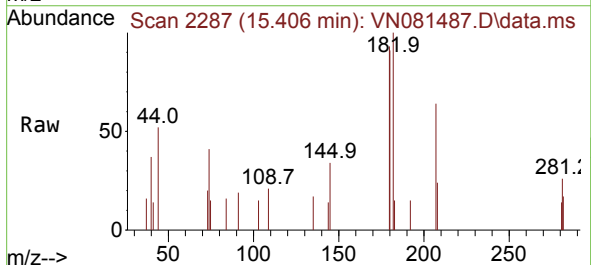
Instrument :
MSVOA_N
ClientSampleId :

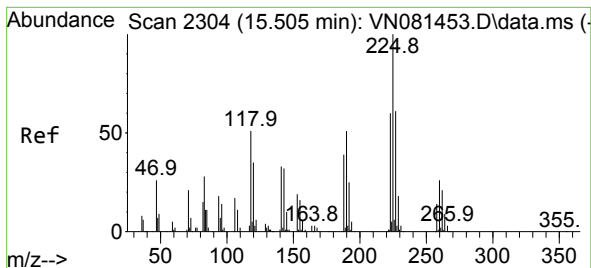
Tgt Ion:146 Resp: 2206
Ion Ratio Lower Upper
146 100
111 34.3 23.9 71.8
148 47.6 31.4 94.0



#93
1,2,4-Trichlorobenzene
Concen: 0.576 ug/l
RT: 15.406 min Scan# 2287
Delta R.T. 0.012 min
Lab File: VN081487.D
Acq: 20 Mar 2024 12:26

Tgt Ion:180 Resp: 3222
Ion Ratio Lower Upper
180 100
182 101.3 46.6 139.7
145 23.1 16.8 50.3





#94

Hexachlorobutadiene

Concen: 0.902 ug/l

RT: 15.506 min Scan# 21

Delta R.T. 0.000 min

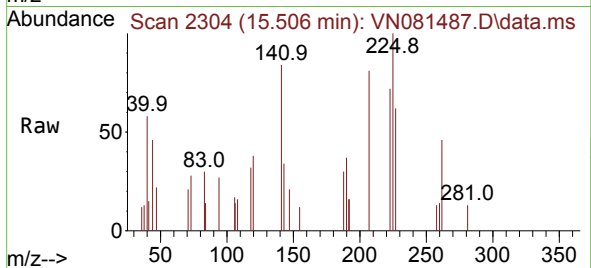
Lab File: VN081487.D

Acq: 20 Mar 2024 12:26

Instrument :

MSVOA_N

ClientSampleId :



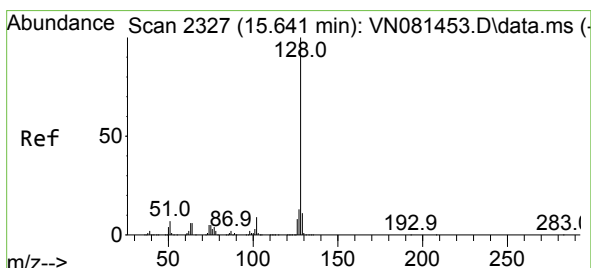
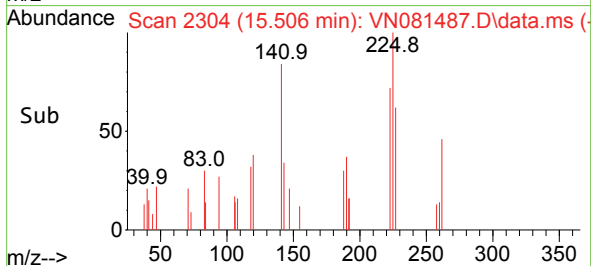
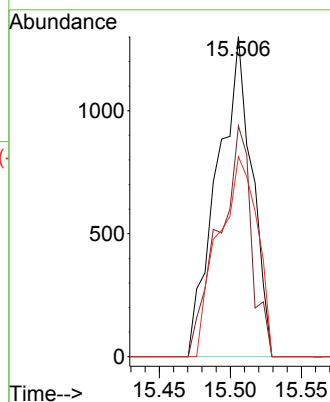
Tgt Ion:225 Resp: 2212

Ion	Ratio	Lower	Upper
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225	100		
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223	67.6	33.3	99.8
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227	69.7	33.1	99.2
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#95

Naphthalene

Concen: 0.512 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN081487.D

Acq: 20 Mar 2024 12:26

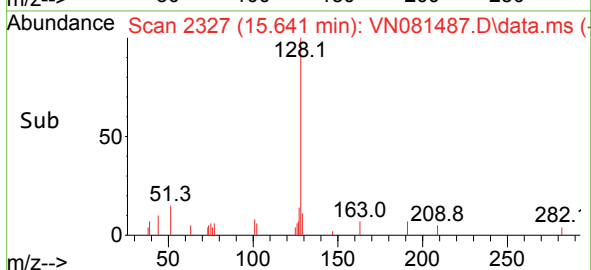
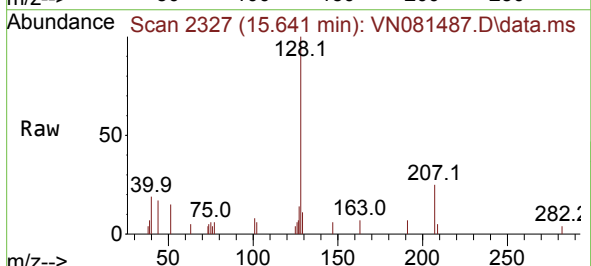
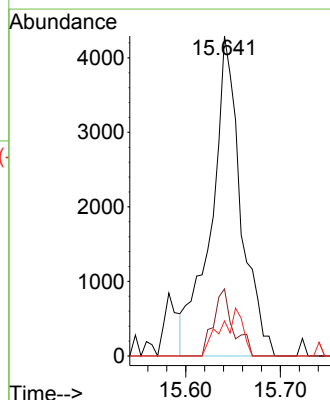
Tgt Ion:128 Resp: 9282

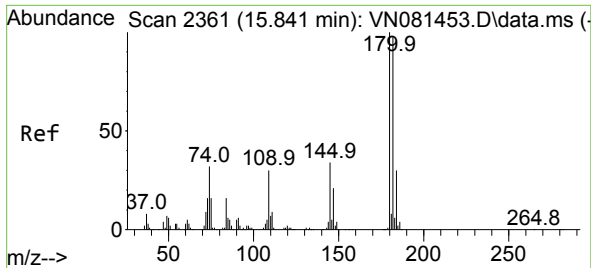
Ion	Ratio	Lower	Upper
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128	100		
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127	14.0	10.0	15.0
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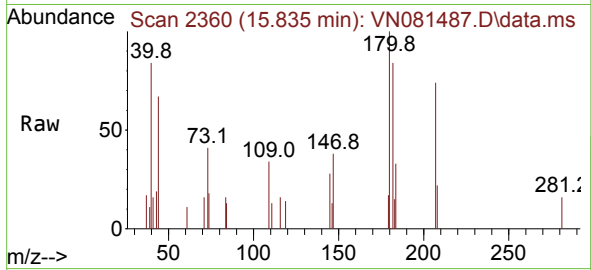
129	11.2	8.7	13.1
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#96
 1,2,3-Trichlorobenzene
 Concen: 0.500 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN081487.D
 Acq: 20 Mar 2024 12:26

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 2813
 Ion Ratio Lower Upper
 180 100
 182 106.8 46.5 139.3
 145 5.6 17.8 53.4#

