

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031324\
 Data File : VN081387.D
 Acq On : 13 Mar 2024 11:23
 Operator : JC\MD
 Sample : VN0313MBL01
 Misc : 5.00g/10mL//100uL/5.0mL/MSVOA_N/MeOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBL01

Quant Time: Mar 14 01:04:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 06 03:12:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	317382	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	591217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	508659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	207746	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	248385	54.126	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.260%	
35) Dibromofluoromethane	8.165	113	188611	52.071	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.140%	
50) Toluene-d8	10.565	98	680600	50.264	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.520%	
62) 4-Bromofluorobenzene	12.847	95	215847	45.102	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 90.200%	

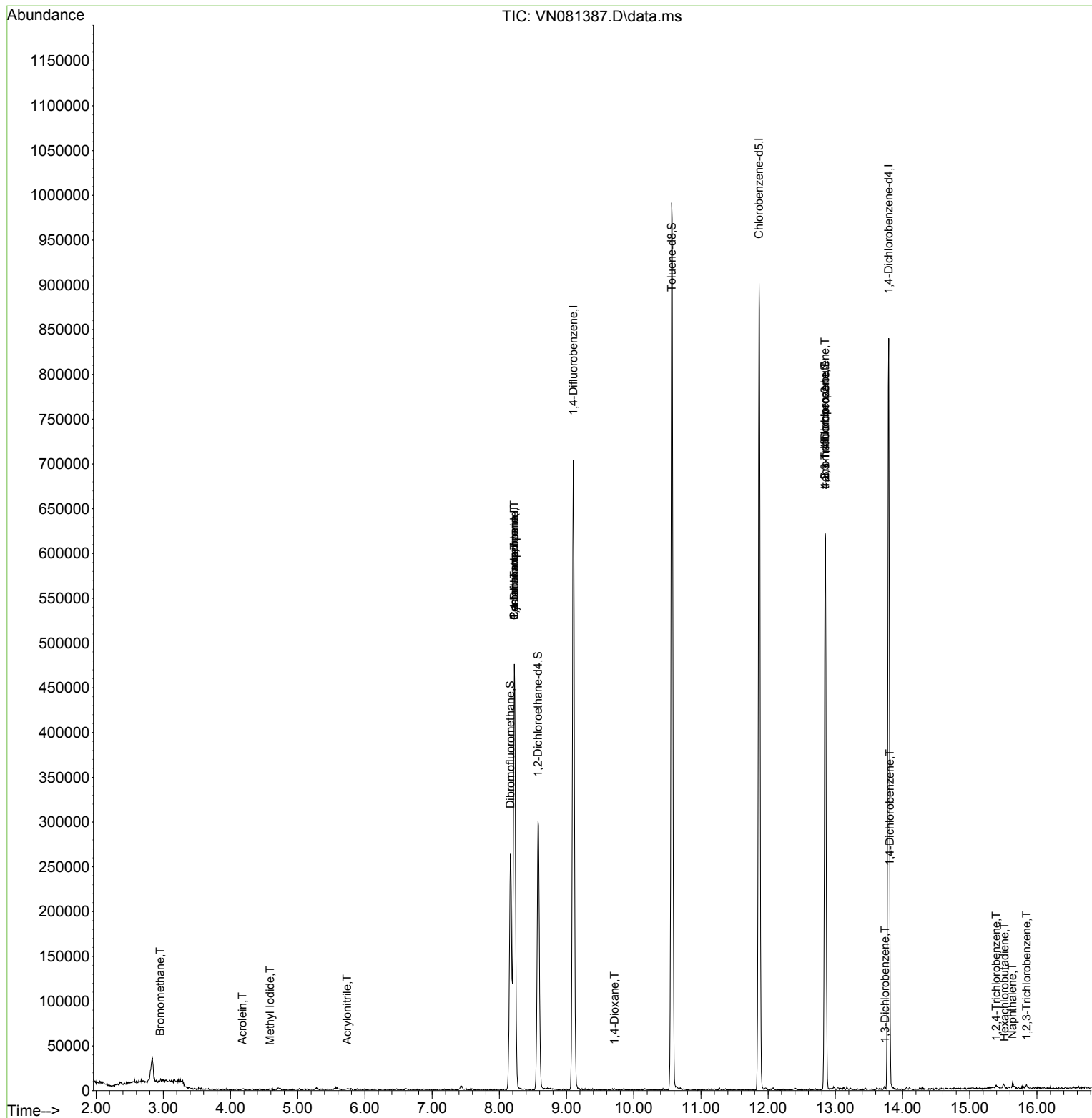
Target Compounds						Qvalue
5) Bromomethane	2.954	94	1915	0.605	ug/l #	58
10) Methyl Iodide	4.589	142	1041	0.285	ug/l #	39
13) Acrolein	4.177	56	907	0.955	ug/l #	39
15) Acrylonitrile	5.736	53	584	0.279	ug/l #	36
20) Methylene Chloride	5.277	84	694	Below Cal	#	32
31) Cyclohexane	8.224	56	9595	1.381	ug/l #	44
36) 1,1-Dichloropropene	8.224	75	30893	5.287	ug/l #	51
38) Carbon Tetrachloride	8.224	117	37099	6.308	ug/l #	19
49) 1,4-Dioxane	9.712	88	264	2.710	ug/l #	36
76) 1,2,3-Trichloropropane	12.847	75	121107	24.681	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	121107	68.880	ug/l #	14
87) 1,3-Dichlorobenzene	13.741	146	1564	0.208	ug/l #	61
88) 1,4-Dichlorobenzene	13.812	146	1721	0.229	ug/l #	70
93) 1,2,4-Trichlorobenzene	15.394	180	1592	0.413	ug/l #	86
94) Hexachlorobutadiene	15.518	225	1253	0.787	ug/l #	56
95) Naphthalene	15.635	128	4360	0.318	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.847	180	1820	0.466	ug/l #	83

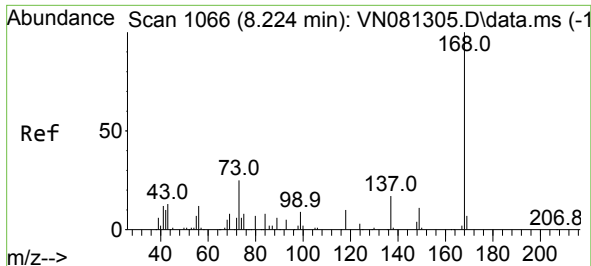
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Title : SW846 8260
QLast Update : Wed Mar 06 03:12:57 2024
Response via : Initial Calibration

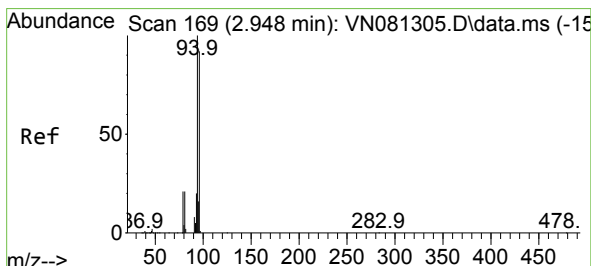
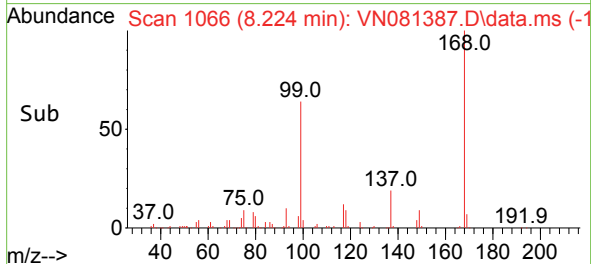
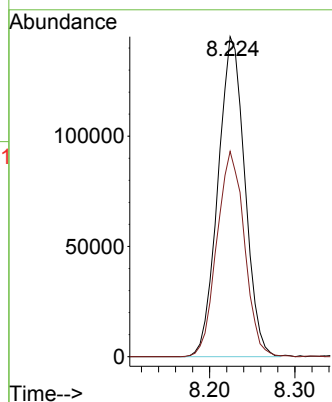
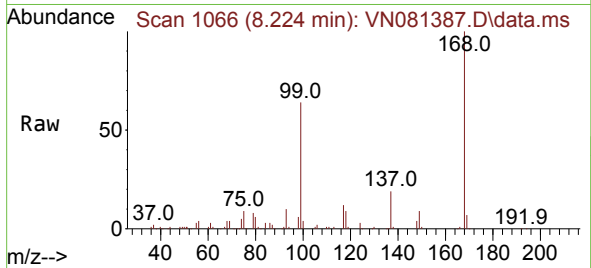




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081387.D
Acq: 13 Mar 2024 11:23

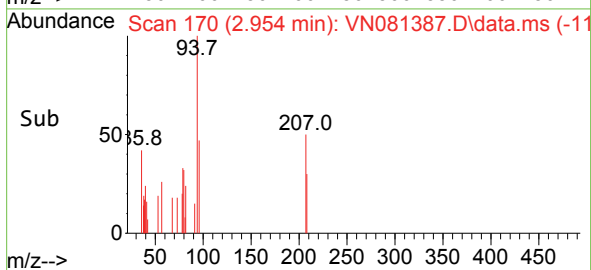
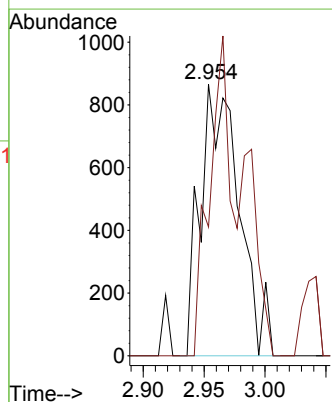
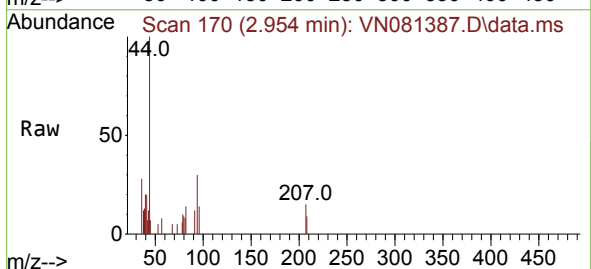
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBL01

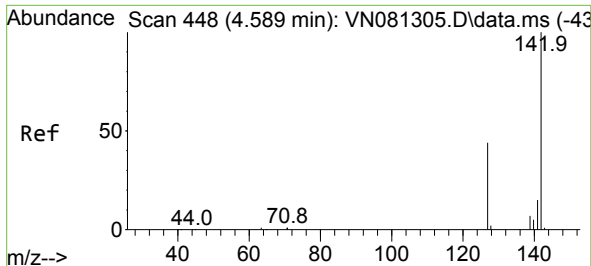
Tgt Ion:168 Resp: 317382
Ion Ratio Lower Upper
168 100
99 64.1 59.9 89.9



#5
Bromomethane
Concen: 0.605 ug/l
RT: 2.954 min Scan# 170
Delta R.T. 0.006 min
Lab File: VN081387.D
Acq: 13 Mar 2024 11:23

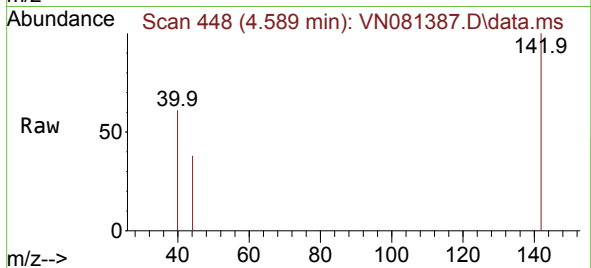
Tgt Ion: 94 Resp: 1915
Ion Ratio Lower Upper
94 100
96 47.5 69.2 103.8#



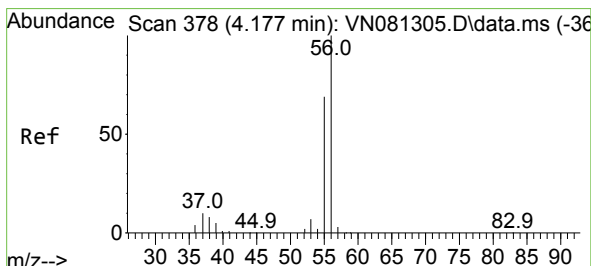
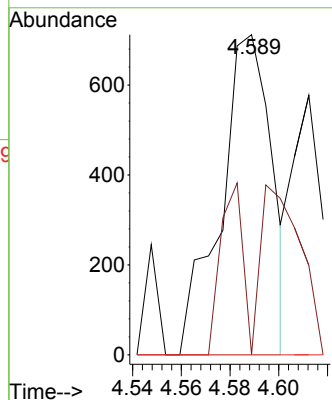
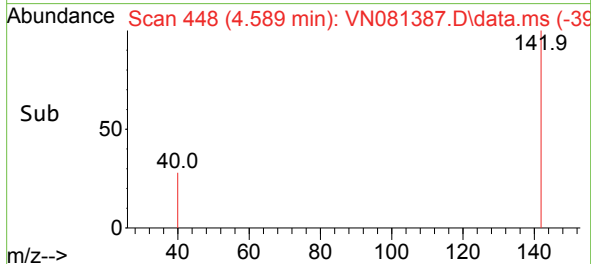


#10
Methyl Iodide
Concen: 0.285 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN081387.D
Acq: 13 Mar 2024 11:23

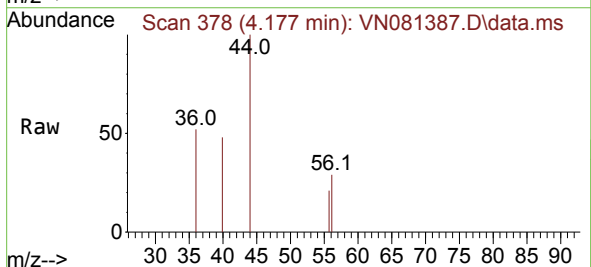
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBL01



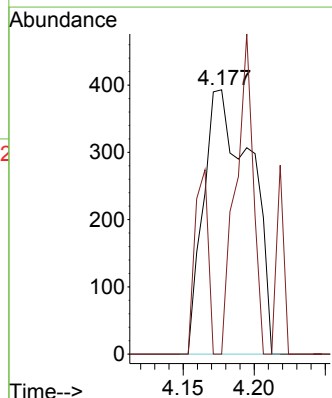
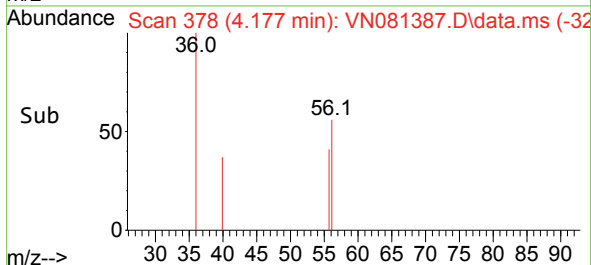
Tgt Ion:142 Resp: 1041
Ion Ratio Lower Upper
142 100
127 0.0 37.0 55.4#
141 0.0 12.5 18.7#

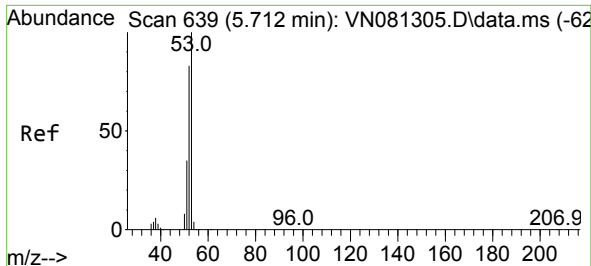


#13
Acrolein
Concen: 0.955 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN081387.D
Acq: 13 Mar 2024 11:23



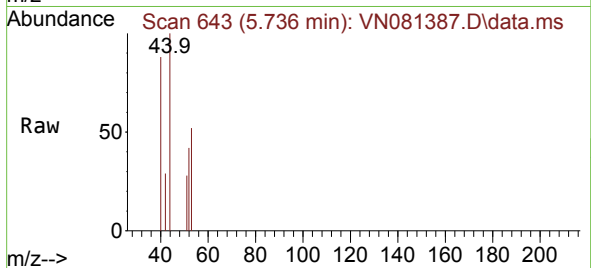
Tgt Ion: 56 Resp: 907
Ion Ratio Lower Upper
56 100
55 19.6 55.3 82.9#



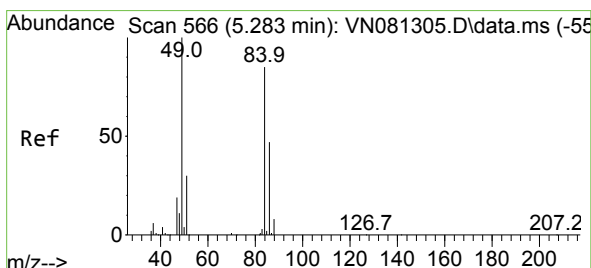
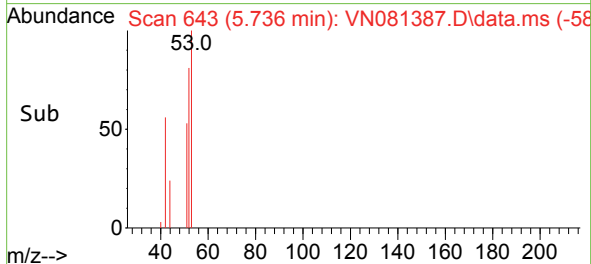
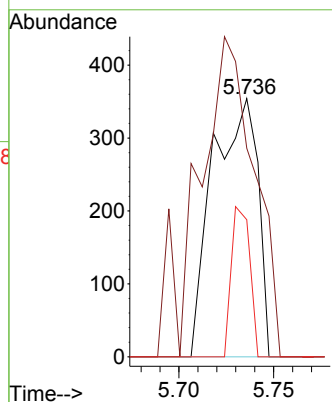


#15
Acrylonitrile
Concen: 0.279 ug/l
RT: 5.736 min Scan# 64
Delta R.T. 0.024 min
Lab File: VN081387.D
Acq: 13 Mar 2024 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0313MBL01

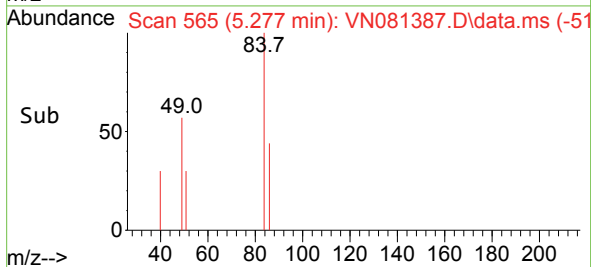
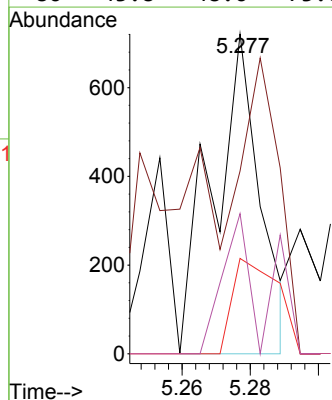
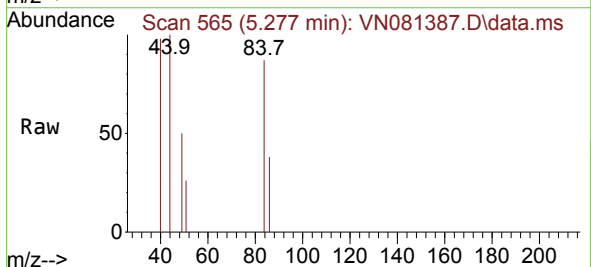


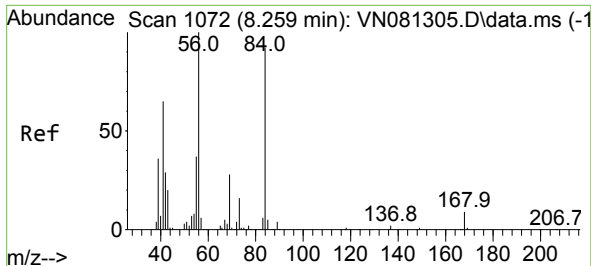
Tgt Ion: 53 Resp: 584
Ion Ratio Lower Upper
53 100
52 155.3 64.8 97.2#
51 23.8 26.9 40.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN081387.D
Acq: 13 Mar 2024 11:23

Tgt Ion: 84 Resp: 694
Ion Ratio Lower Upper
84 100
49 11.9 108.1 162.1#
51 29.8 32.9 49.3#
86 43.8 48.6 73.0#

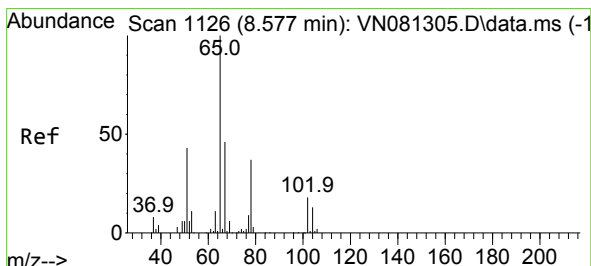
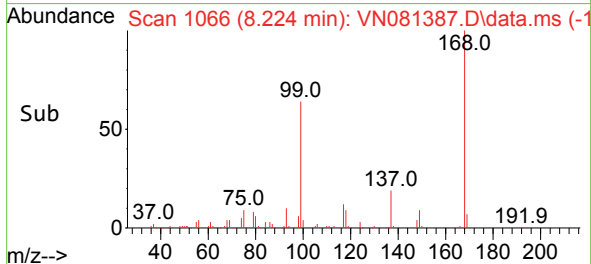
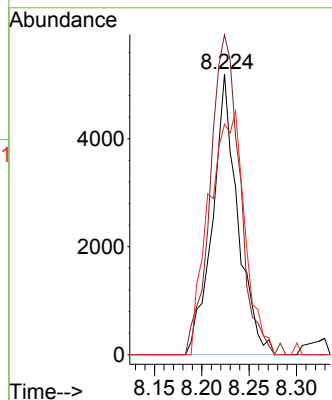
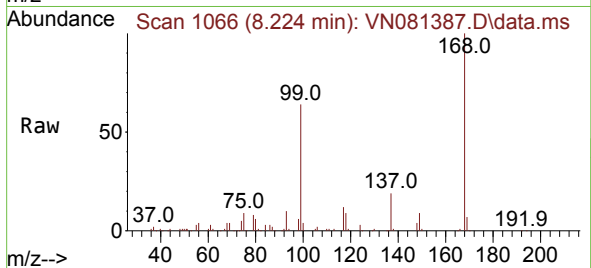




#31
Cyclohexane
Concen: 1.381 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081387.D
Acq: 13 Mar 2024 11:23

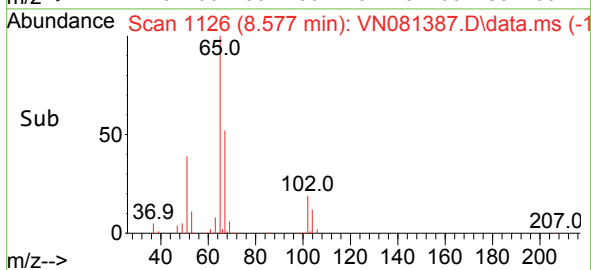
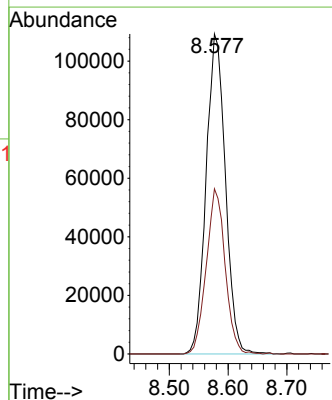
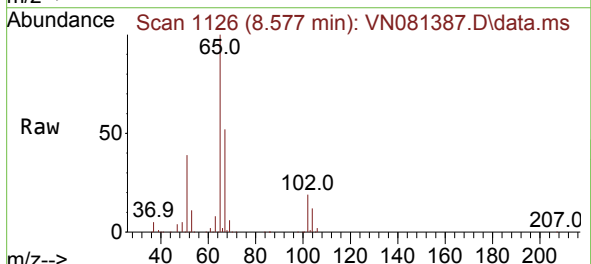
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBL01

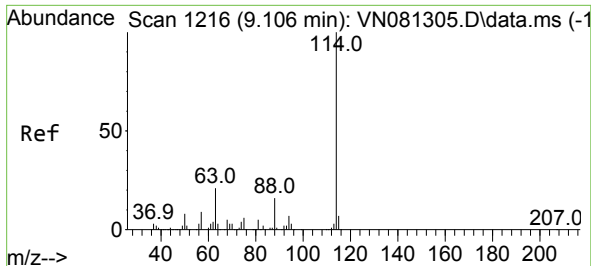
Tgt Ion: 56 Resp: 9595
Ion Ratio Lower Upper
56 100
69 114.0 20.1 30.1#
84 82.2 56.9 85.3



#33
1,2-Dichloroethane-d4
Concen: 54.126 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081387.D
Acq: 13 Mar 2024 11:23

Tgt Ion: 65 Resp: 248385
Ion Ratio Lower Upper
65 100
67 50.5 0.0 102.4

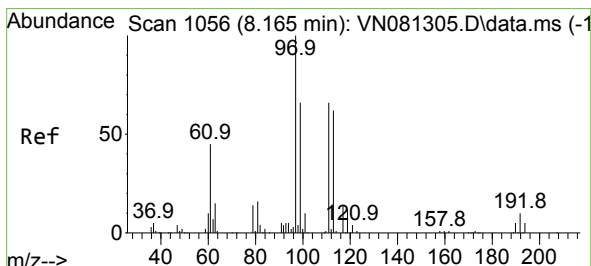
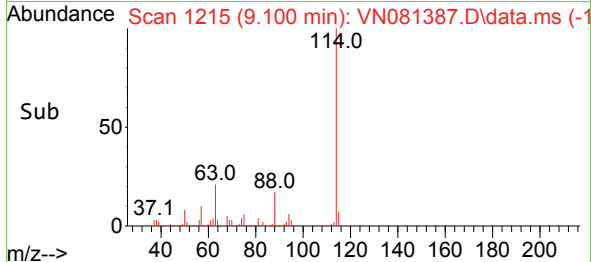
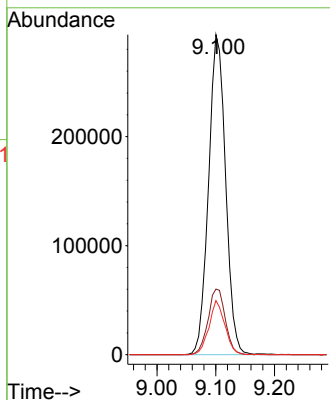
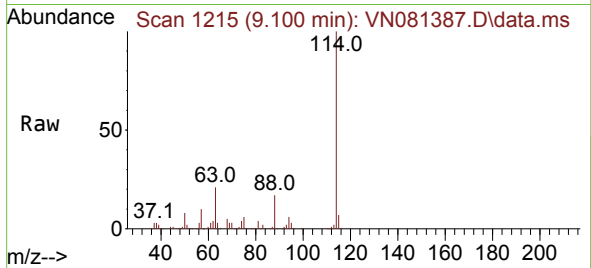




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN081387.D
Acq: 13 Mar 2024 11:23

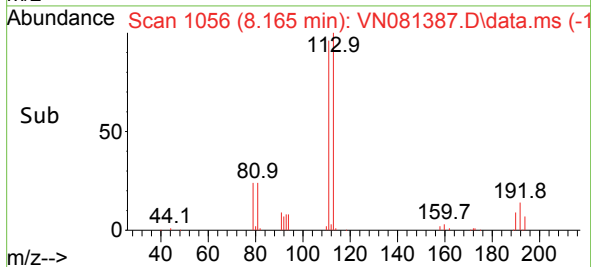
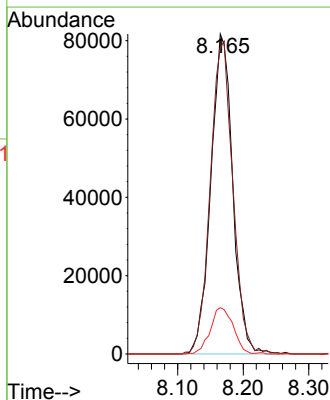
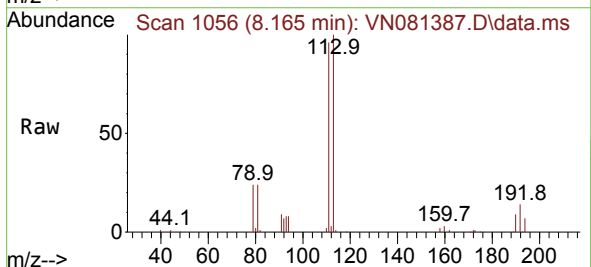
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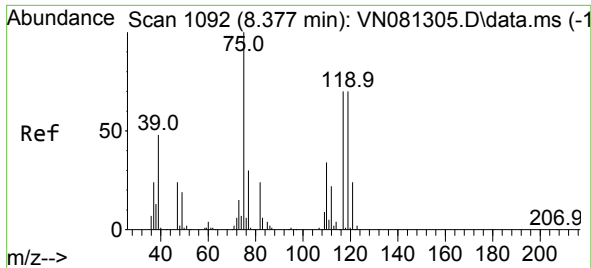
Tgt Ion:114 Resp: 591217
Ion Ratio Lower Upper
114 100
63 20.5 0.0 48.0
88 16.9 0.0 34.8



#35
Dibromofluoromethane
Concen: 52.071 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN081387.D
Acq: 13 Mar 2024 11:23

Tgt Ion:113 Resp: 188611
Ion Ratio Lower Upper
113 100
111 101.0 82.2 123.4
192 15.2 12.5 18.7

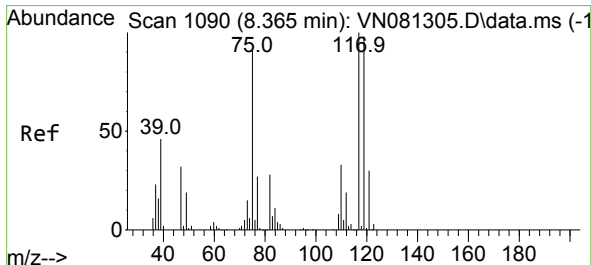
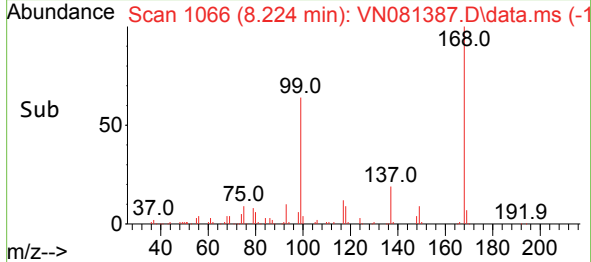
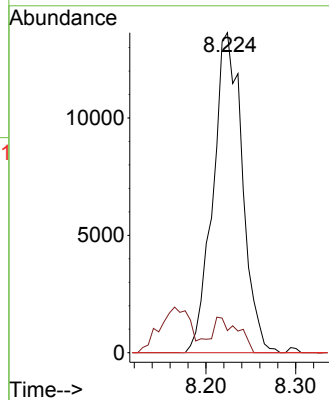
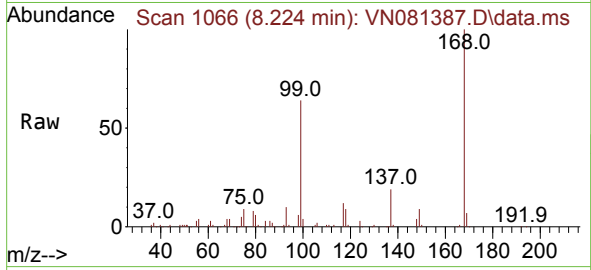




#36
1,1-Dichloropropene
Concen: 5.287 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN081387.D
Acq: 13 Mar 2024 11:23

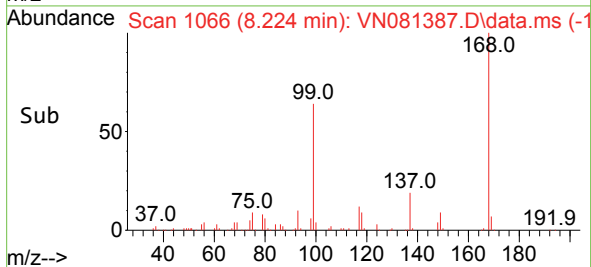
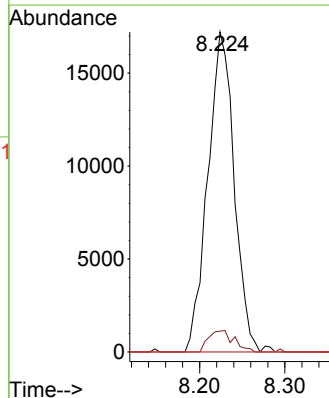
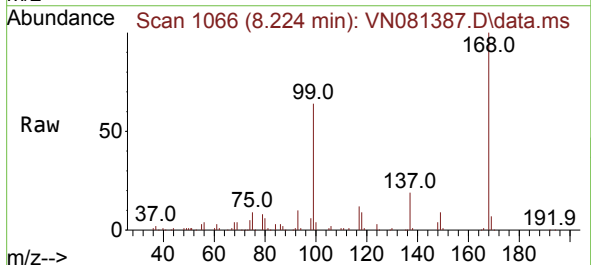
Instrument :
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VN0313MBL01

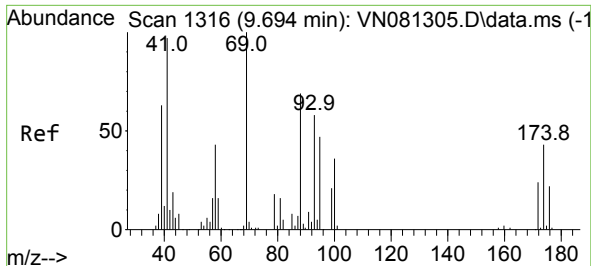
Tgt Ion: 75 Resp: 30893
Ion Ratio Lower Upper
75 100
110 9.2 16.0 48.0#
77 0.0 25.8 38.6#



#38
Carbon Tetrachloride
Concen: 6.308 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN081387.D
Acq: 13 Mar 2024 11:23

Tgt Ion: 117 Resp: 37099
Ion Ratio Lower Upper
117 100
119 6.5 73.4 110.2#
121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 2.710 ug/l

RT: 9.712 min Scan# 11

Delta R.T. 0.018 min

Lab File: VN081387.D

Acq: 13 Mar 2024 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBL01

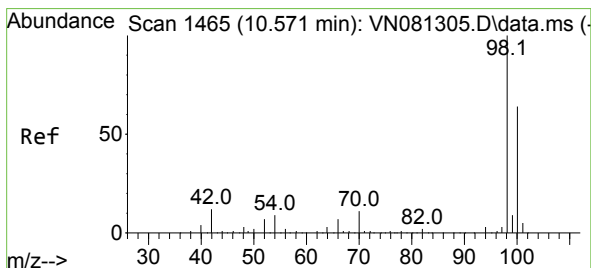
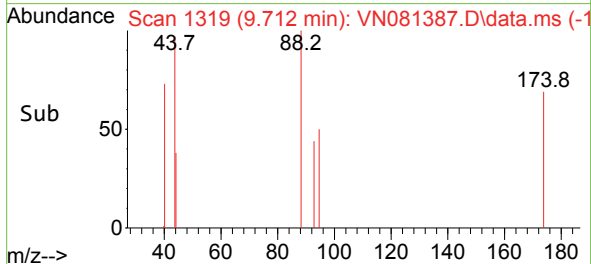
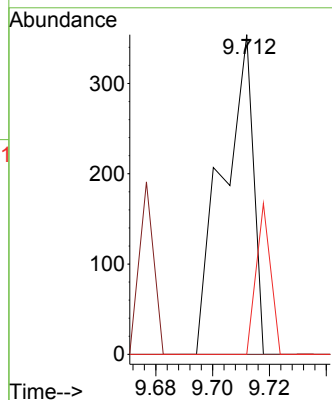
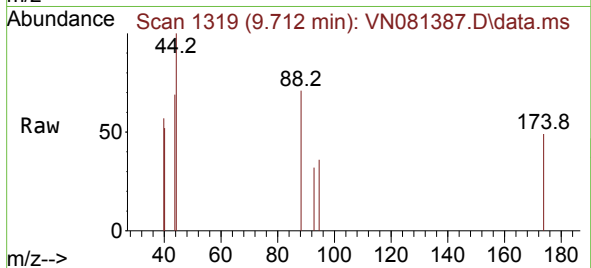
Tgt Ion: 88 Resp: 264

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 22.3 63.9 95.9#



#50

Toluene-d8

Concen: 50.264 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN081387.D

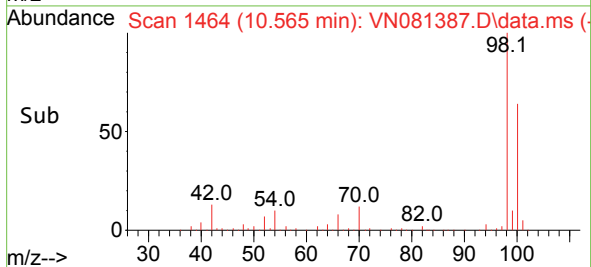
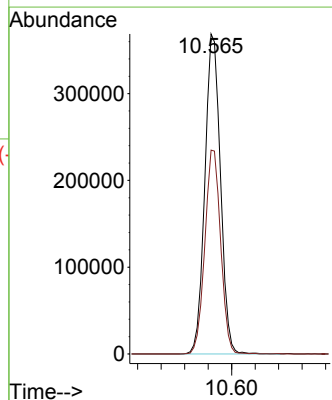
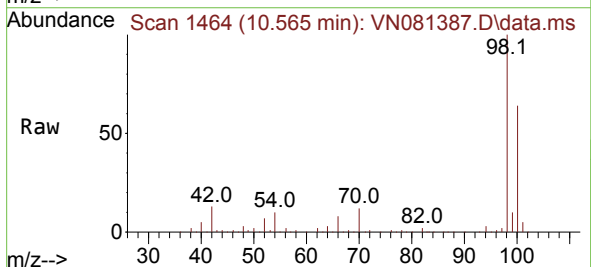
Acq: 13 Mar 2024 11:23

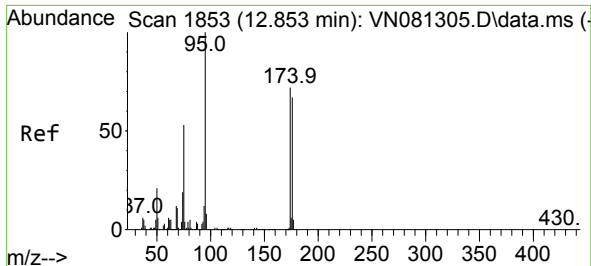
Tgt Ion: 98 Resp: 680600

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.0

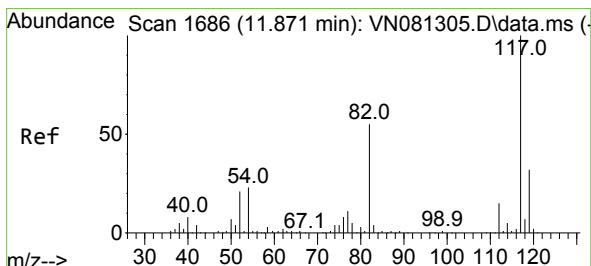
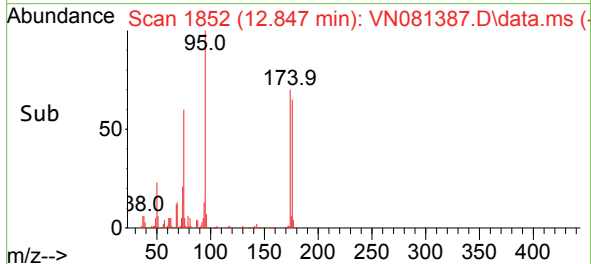
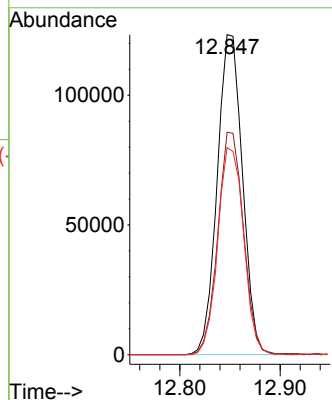
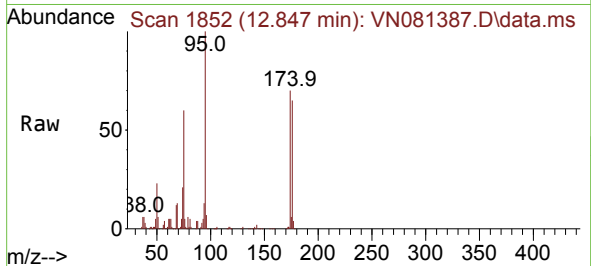




#62
4-Bromofluorobenzene
Concen: 45.102 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081387.D
Acq: 13 Mar 2024 11:23

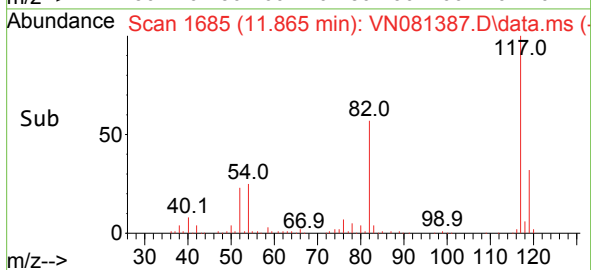
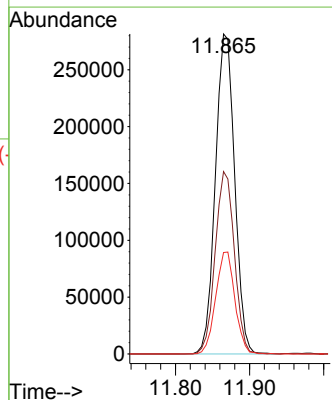
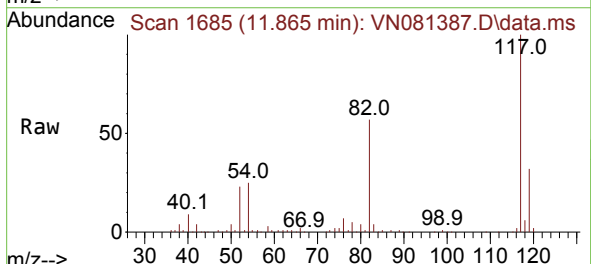
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBL01

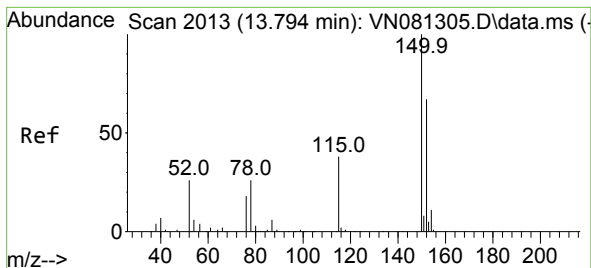
Tgt Ion: 95 Resp: 215847
Ion Ratio Lower Upper
95 100
174 70.7 0.0 120.4
176 66.2 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN081387.D
Acq: 13 Mar 2024 11:23

Tgt Ion: 117 Resp: 508659
Ion Ratio Lower Upper
117 100
82 57.0 52.7 79.1
119 31.7 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: VN081387.D

Acq: 13 Mar 2024 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBL01

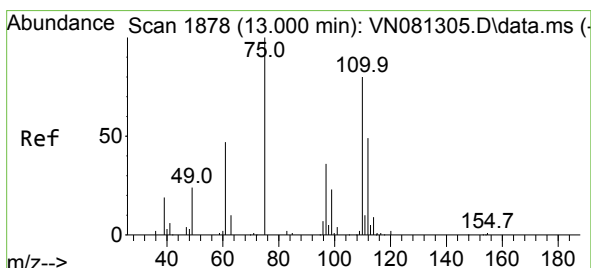
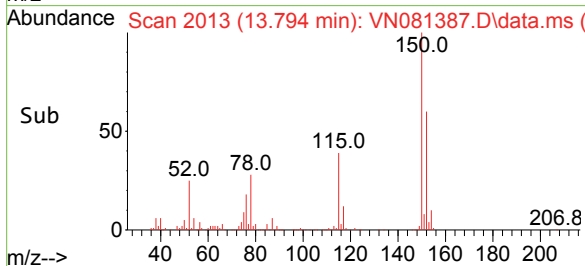
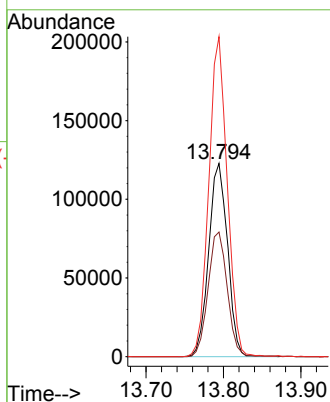
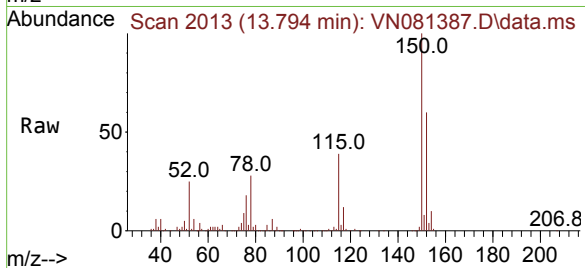
Tgt Ion:152 Resp: 207746

Ion Ratio Lower Upper

152 100

115 65.5 32.3 96.8

150 161.4 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 24.681 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.153 min

Lab File: VN081387.D

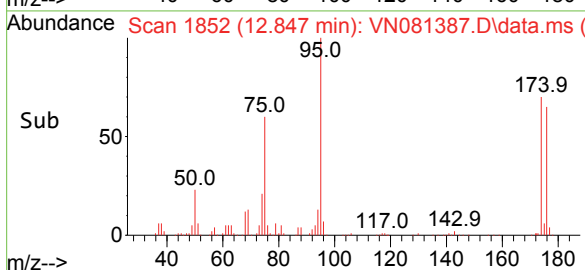
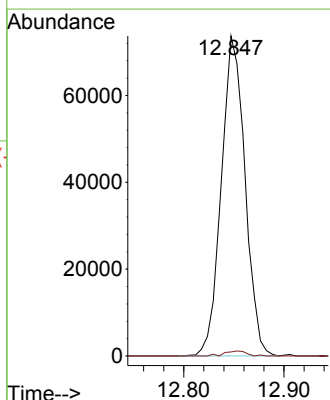
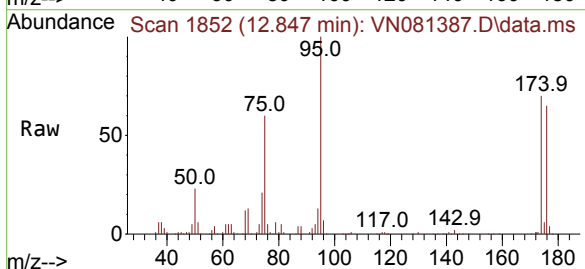
Acq: 13 Mar 2024 11:23

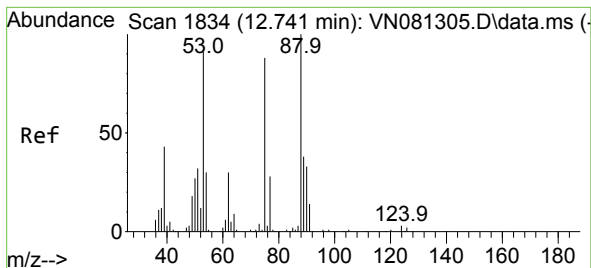
Tgt Ion: 75 Resp: 121107

Ion Ratio Lower Upper

75 100

77 1.4 91.0 272.8#

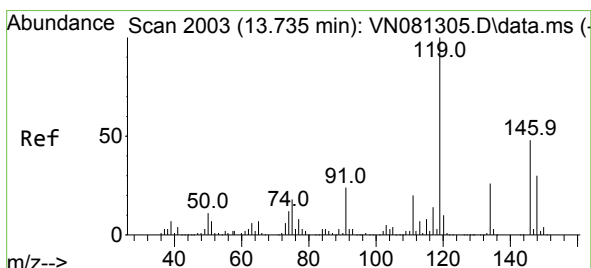
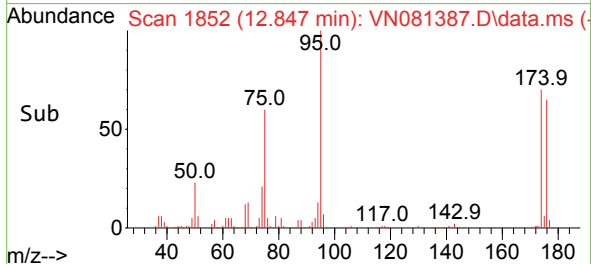
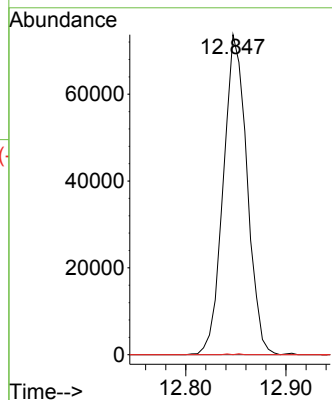
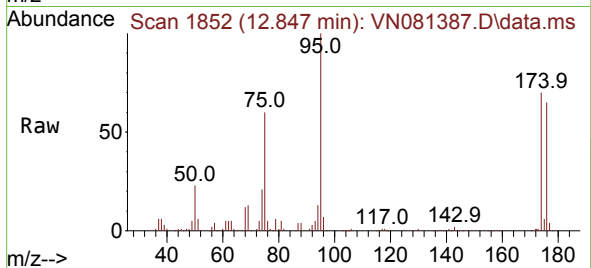




#81
trans-1,4-Dichloro-2-butene
Concen: 68.880 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN081387.D
Acq: 13 Mar 2024 11:23

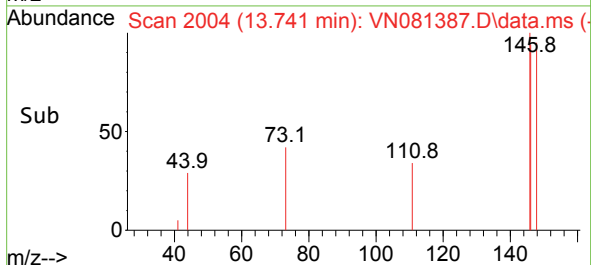
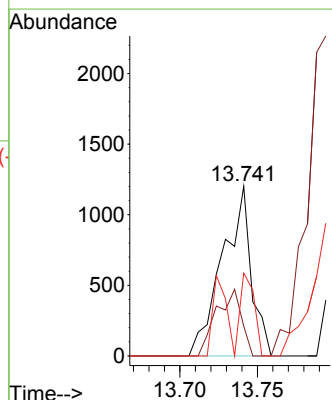
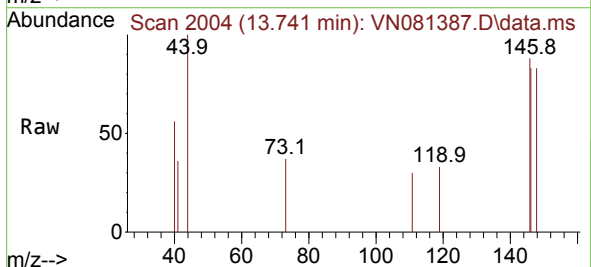
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBL01

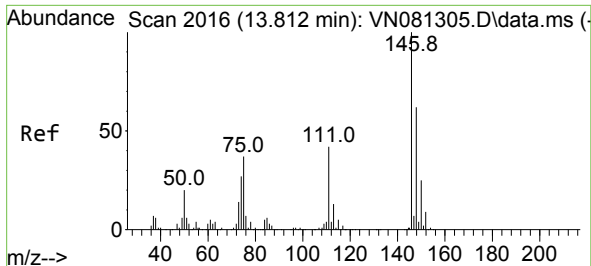
Tgt Ion: 75 Resp: 121107
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.1 33.4 50.0#



#87
1,3-Dichlorobenzene
Concen: 0.208 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.006 min
Lab File: VN081387.D
Acq: 13 Mar 2024 11:23

Tgt Ion:146 Resp: 1564
Ion Ratio Lower Upper
146 100
111 34.1 23.9 71.7
148 23.8 32.6 97.7#

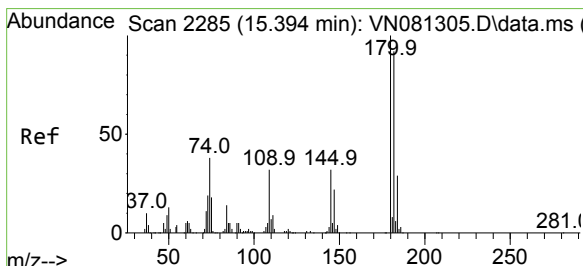
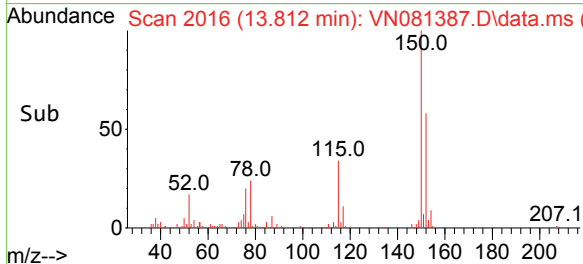
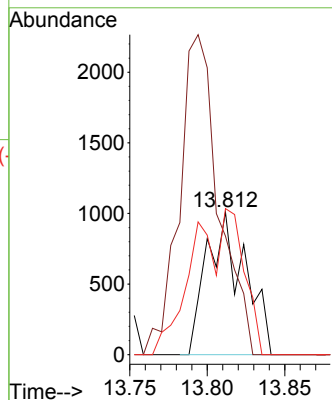
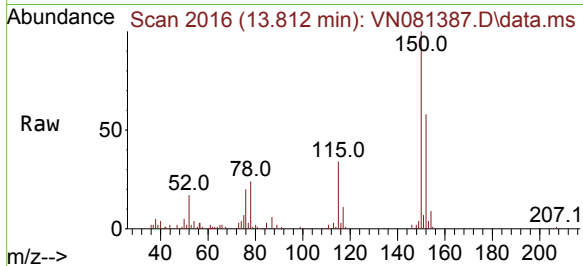




#88
 1,4-Dichlorobenzene
 Concen: 0.229 ug/l
 RT: 13.812 min Scan# 2016
 Delta R.T. 0.000 min
 Lab File: VN081387.D
 Acq: 13 Mar 2024 11:23

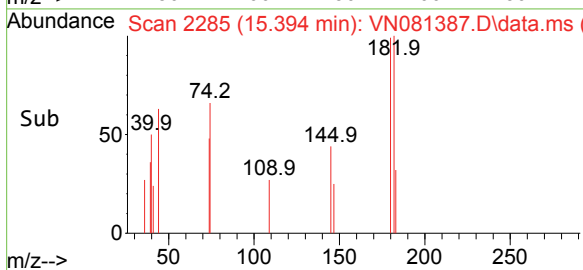
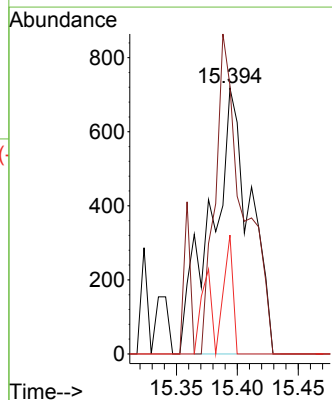
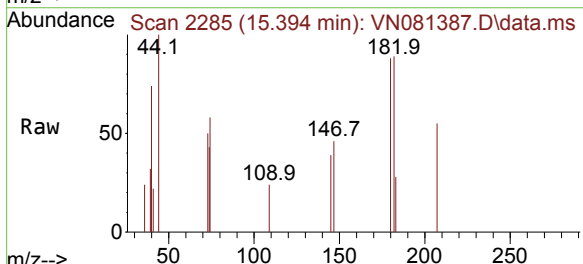
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBL01

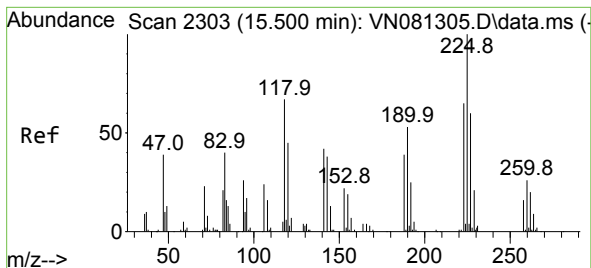
Tgt Ion:146 Resp: 1721
 Ion Ratio Lower Upper
 146 100
 111 0.0 22.6 67.7#
 148 61.9 31.9 95.5



#93
 1,2,4-Trichlorobenzene
 Concen: 0.413 ug/l
 RT: 15.394 min Scan# 2285
 Delta R.T. 0.000 min
 Lab File: VN081387.D
 Acq: 13 Mar 2024 11:23

Tgt Ion:180 Resp: 1592
 Ion Ratio Lower Upper
 180 100
 182 88.3 46.6 139.7
 145 10.7 16.8 50.3#





#94

Hexachlorobutadiene

Concen: 0.787 ug/l

RT: 15.518 min Scan# 21

Delta R.T. 0.018 min

Lab File: VN081387.D

Acq: 13 Mar 2024 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBL01

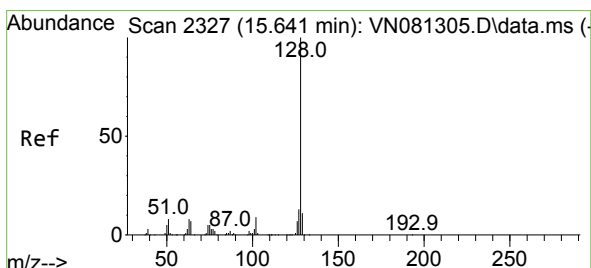
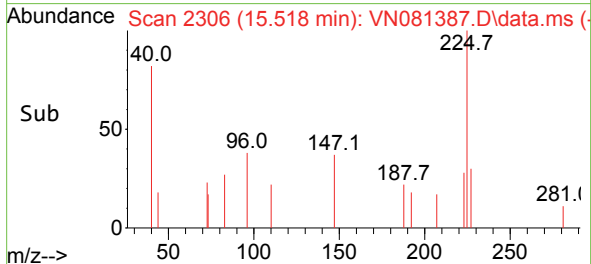
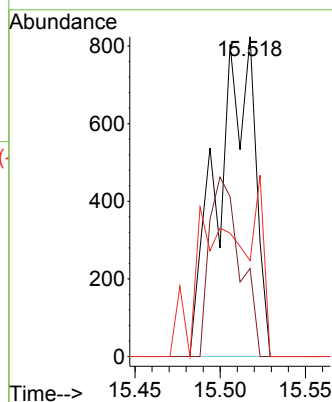
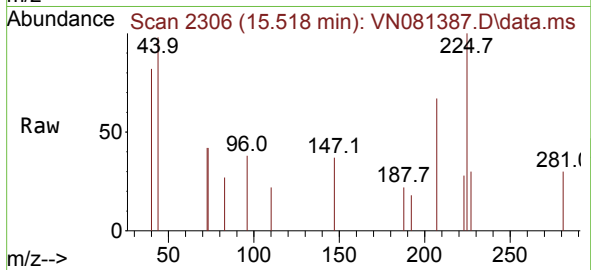
Tgt Ion:225 Resp: 1253

Ion Ratio Lower Upper

225 100

223 0.0 33.3 99.8#

227 70.0 33.1 99.2



#95

Naphthalene

Concen: 0.318 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.006 min

Lab File: VN081387.D

Acq: 13 Mar 2024 11:23

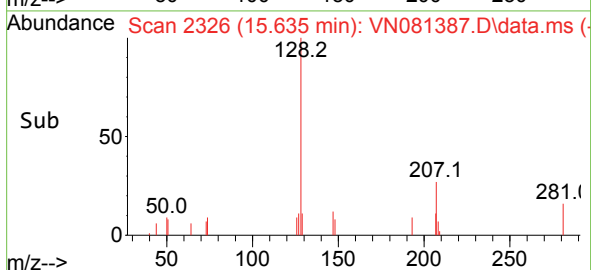
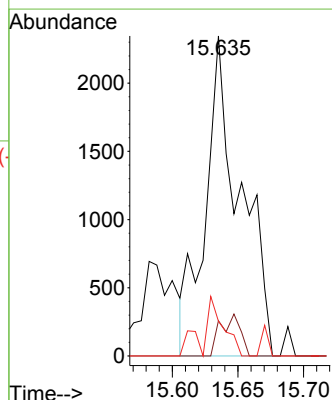
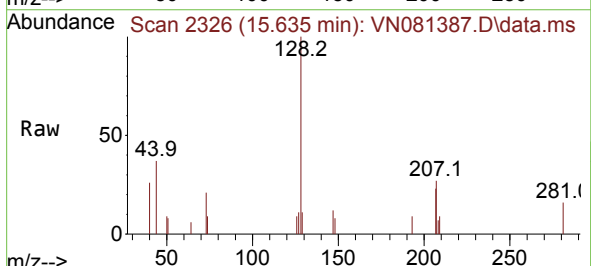
Tgt Ion:128 Resp: 4360

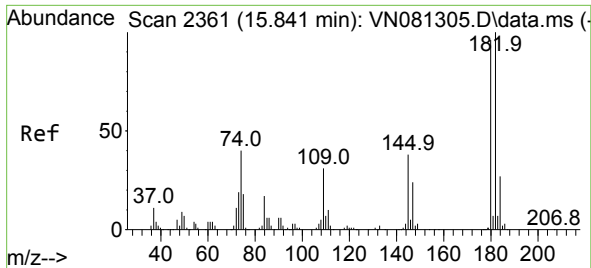
Ion Ratio Lower Upper

128 100

127 7.4 10.0 15.0#

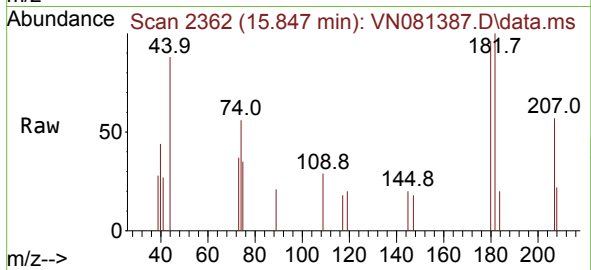
129 11.2 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.466 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN081387.D
 Acq: 13 Mar 2024 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBL01



Tgt Ion:180 Resp: 1820
 Ion Ratio Lower Upper
 180 100
 182 86.4 46.5 139.3
 145 10.7 17.8 53.4#

