

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031224\
 Data File : VN081368.D
 Acq On : 12 Mar 2024 10:57
 Operator : JC\MD
 Sample : VN0312MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312MBL01

Quant Time: Mar 13 04:49:23 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)

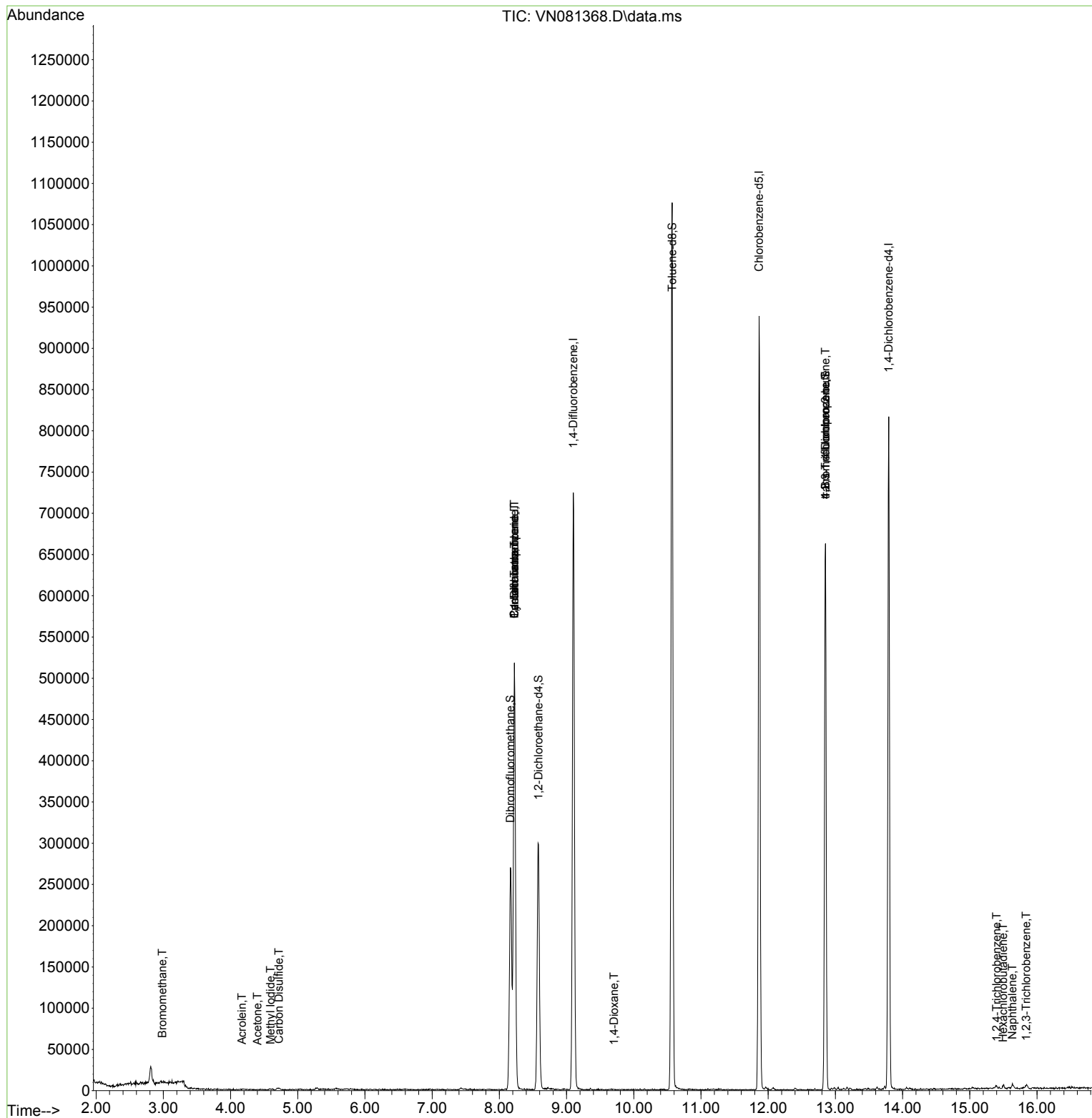
Internal Standards						
1) Pentafluorobenzene	8.224	168	346995	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	610241	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	526574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	206868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	248734	49.577	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.160%		
35) Dibromofluoromethane	8.165	113	189994	50.818	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.640%		
50) Toluene-d8	10.571	98	728768	52.143	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.280%		
62) 4-Bromofluorobenzene	12.853	95	228778	46.314	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	92.620%		
Target Compounds						Qvalue
5) Bromomethane	2.983	94	1573	0.454	ug/l	98
10) Methyl Iodide	4.595	142	1591	0.398	ug/l #	87
13) Acrolein	4.171	56	566	0.545	ug/l	97
16) Acetone	4.400	43	447	0.251	ug/l #	44
17) Carbon Disulfide	4.718	76	4348	0.377	ug/l #	95
20) Methylene Chloride	5.289	84	990	Below Cal	#	49
31) Cyclohexane	8.224	56	10187	1.341	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	32698	5.421	ug/l #	43
38) Carbon Tetrachloride	8.224	117	39605	6.524	ug/l #	19
49) 1,4-Dioxane	9.706	88	77	0.766	ug/l #	71
76) 1,2,3-Trichloropropane	12.853	75	125856	25.758	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	125856	71.885	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.400	180	1694	0.442	ug/l #	21
94) Hexachlorobutadiene	15.494	225	826	0.521	ug/l	95
95) Naphthalene	15.635	128	5612	0.411	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.841	180	1723	0.443	ug/l	90

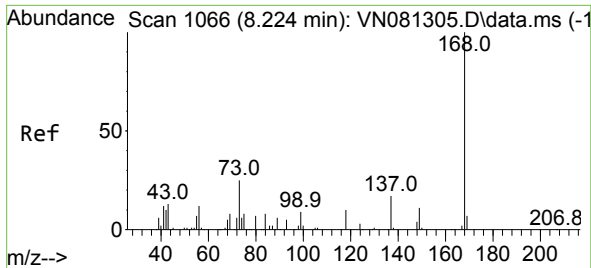
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Mar 13 04:49:23 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

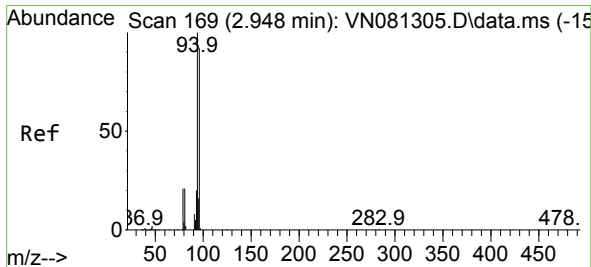
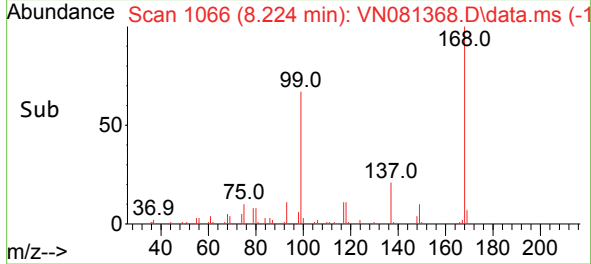
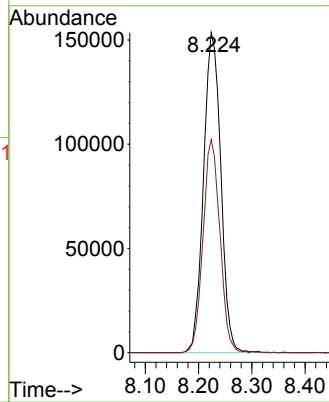
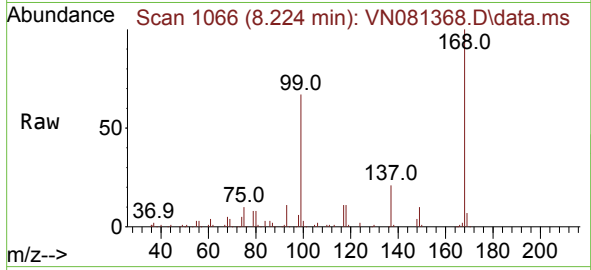




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081368.D
Acq: 12 Mar 2024 10:57

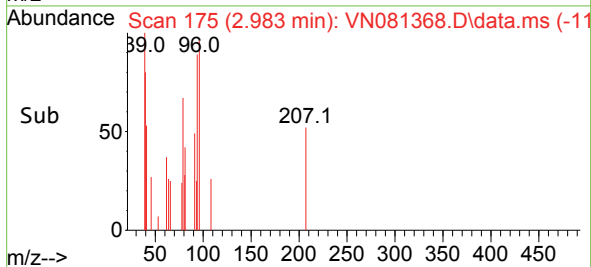
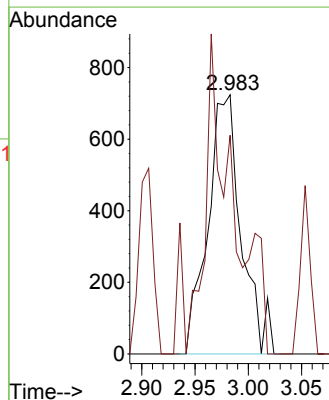
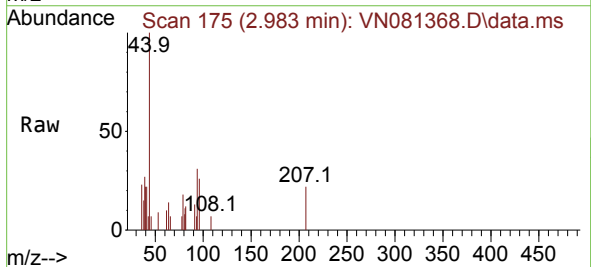
Instrument :
MSVOA_N
ClientSampleId :
VN0312MBL01

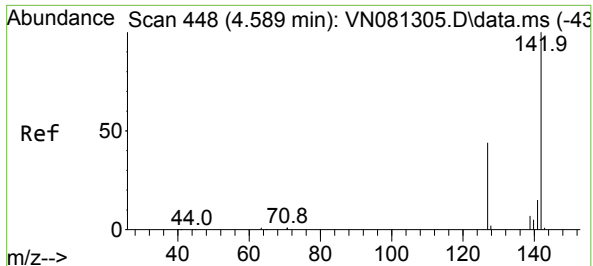
Tgt Ion:168 Resp: 346995
Ion Ratio Lower Upper
168 100
99 66.6 59.9 89.9



#5
Bromomethane
Concen: 0.454 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.035 min
Lab File: VN081368.D
Acq: 12 Mar 2024 10:57

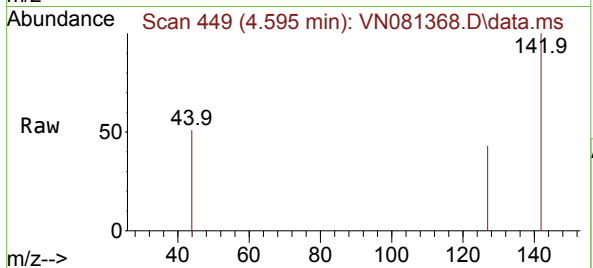
Tgt Ion: 94 Resp: 1573
Ion Ratio Lower Upper
94 100
96 84.4 69.2 103.8



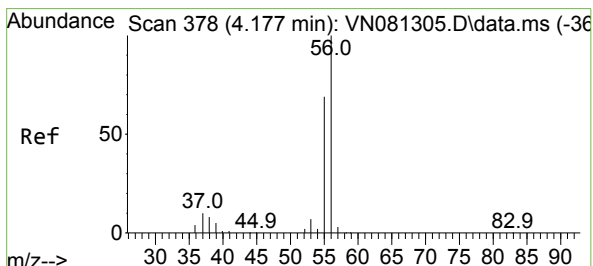
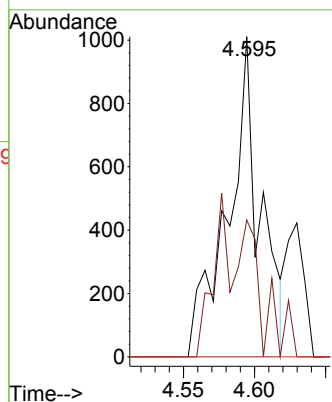
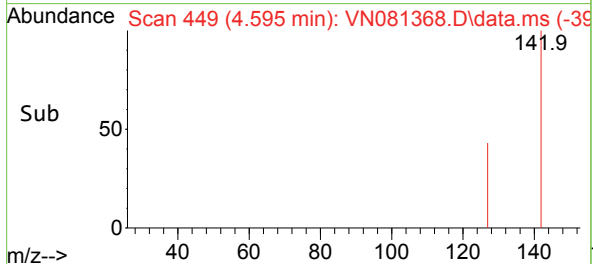


#10
Methyl Iodide
Concen: 0.398 ug/l
RT: 4.595 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN081368.D
Acq: 12 Mar 2024 10:57

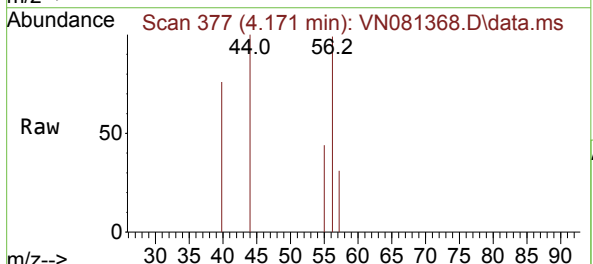
Instrument :
MSVOA_N
ClientSampleId :
VN0312MBL01



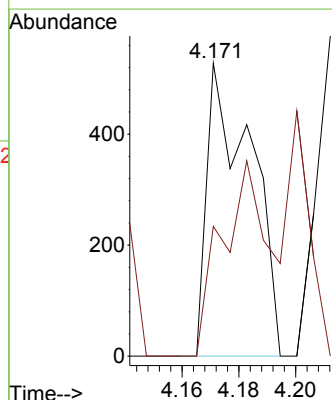
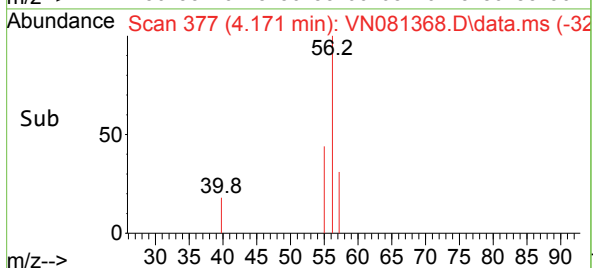
Tgt Ion:142 Resp: 1591
Ion Ratio Lower Upper
142 100
127 42.7 37.0 55.4
141 0.0 12.5 18.7#

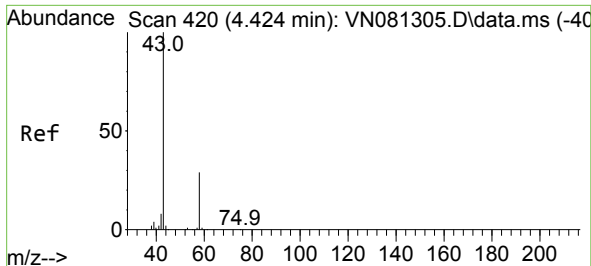


#13
Acrolein
Concen: 0.545 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN081368.D
Acq: 12 Mar 2024 10:57



Tgt Ion: 56 Resp: 566
Ion Ratio Lower Upper
56 100
55 71.7 55.3 82.9

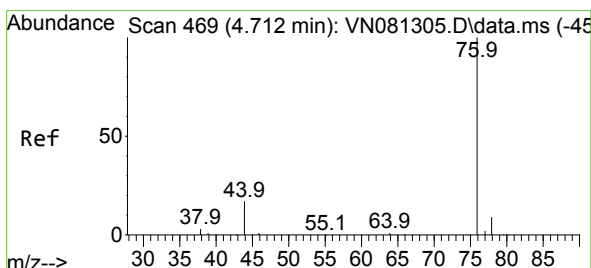
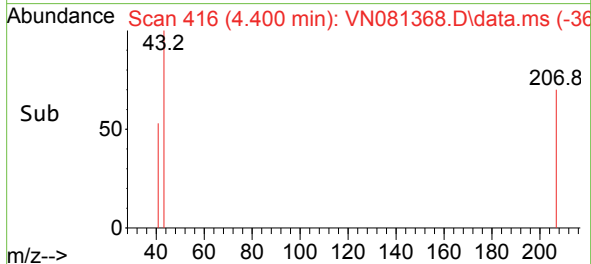
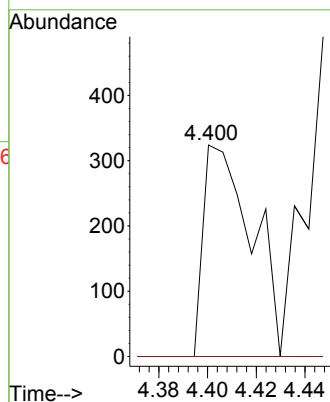
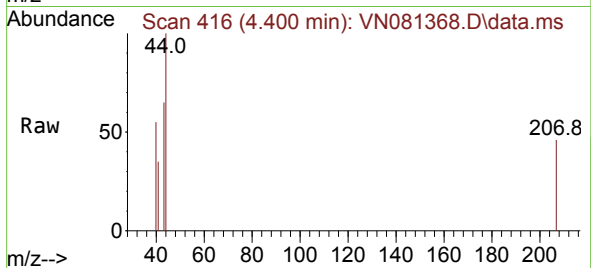




#16
Acetone
Concen: 0.251 ug/l
RT: 4.400 min Scan# 416
Delta R.T. -0.024 min
Lab File: VN081368.D
Acq: 12 Mar 2024 10:57

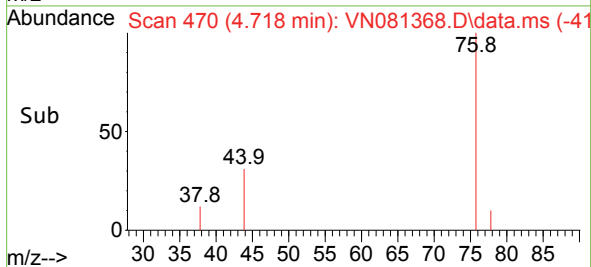
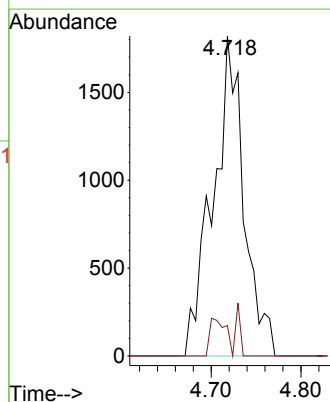
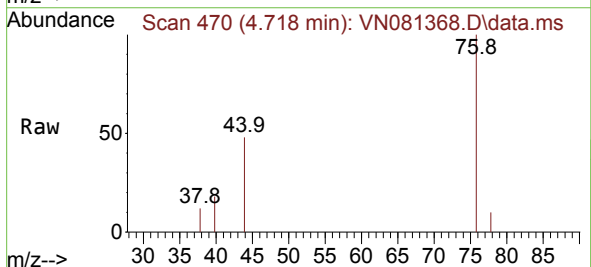
Instrument :
MSVOA_N
ClientSampleId :
VN0312MBL01

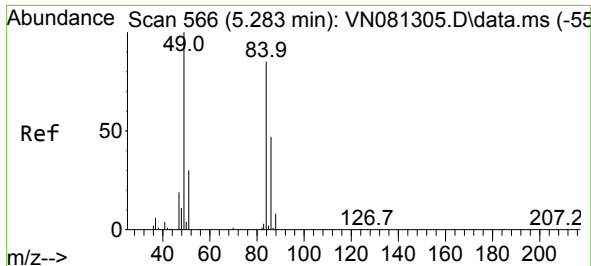
Tgt Ion: 43 Resp: 447
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#



#17
Carbon Disulfide
Concen: 0.377 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN081368.D
Acq: 12 Mar 2024 10:57

Tgt Ion: 76 Resp: 4348
Ion Ratio Lower Upper
76 100
78 9.5 6.3 9.5#

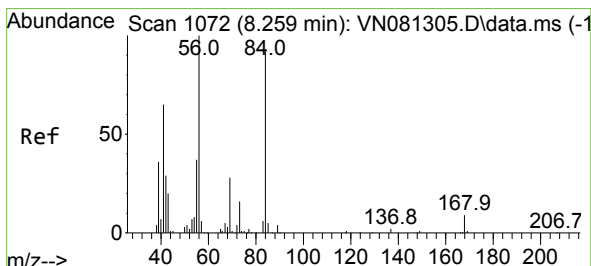
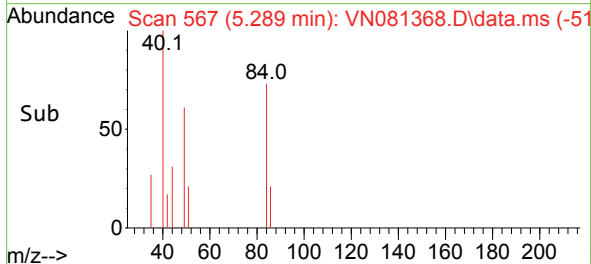
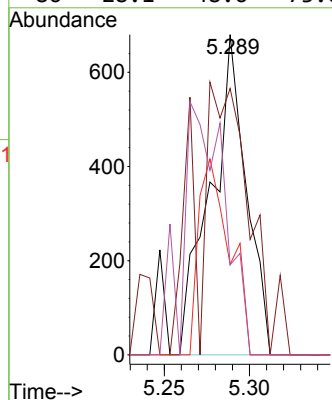
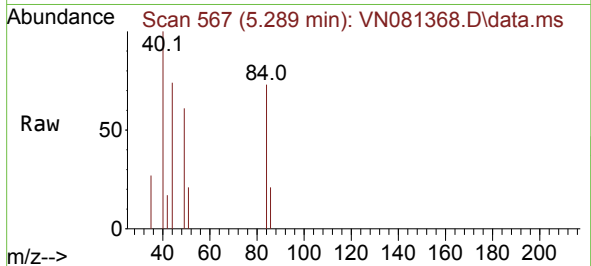




#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN081368.D
Acq: 12 Mar 2024 10:57

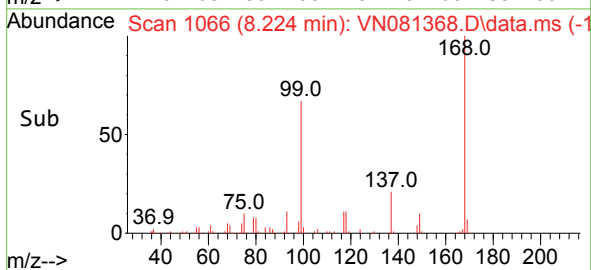
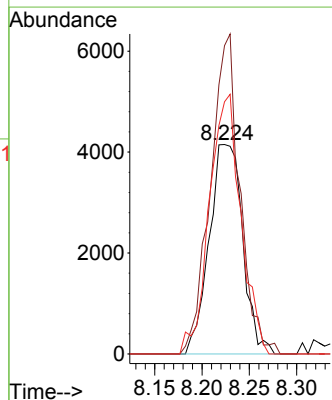
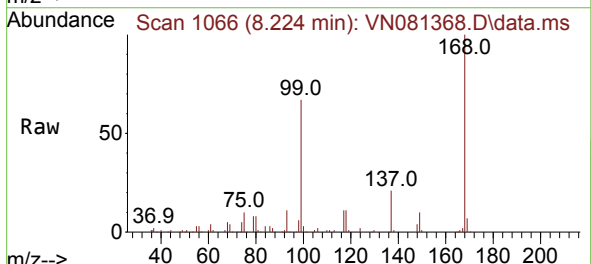
Instrument :
MSVOA_N
ClientSampleId :
VN0312MBL01

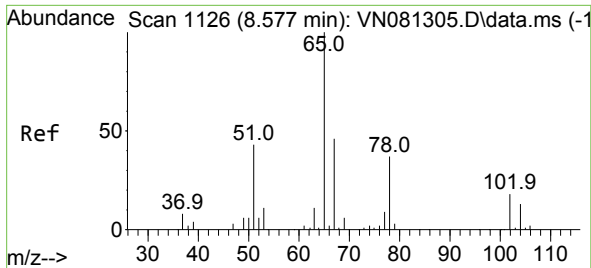
Tgt Ion:	84	Resp:	990
Ion	Ratio	Lower	Upper
84	100		
49	58.4	108.1	162.1#
51	28.2	32.9	49.3#
86	28.1	48.6	73.0#



#31
Cyclohexane
Concen: 1.341 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081368.D
Acq: 12 Mar 2024 10:57

Tgt Ion:	56	Resp:	10187
Ion	Ratio	Lower	Upper
56	100		
69	147.2	20.1	30.1#
84	120.4	56.9	85.3#

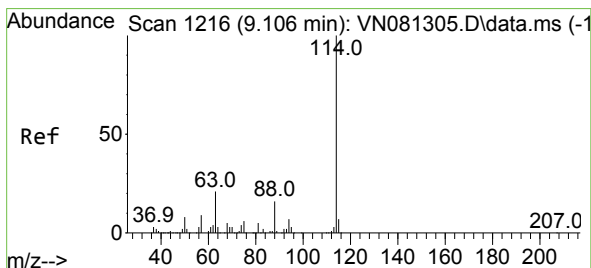
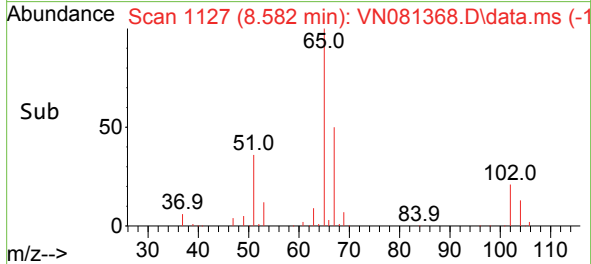
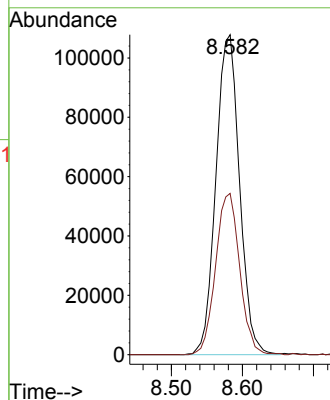
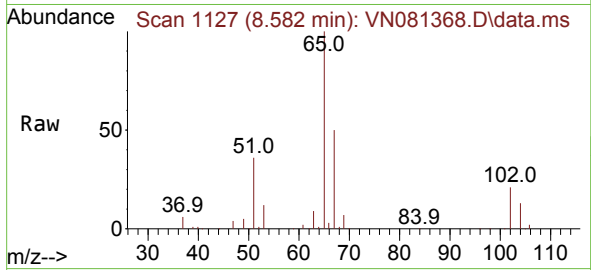




#33
 1,2-Dichloroethane-d4
 Concen: 49.577 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VN081368.D
 Acq: 12 Mar 2024 10:57

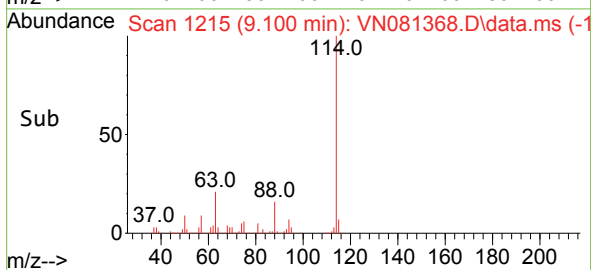
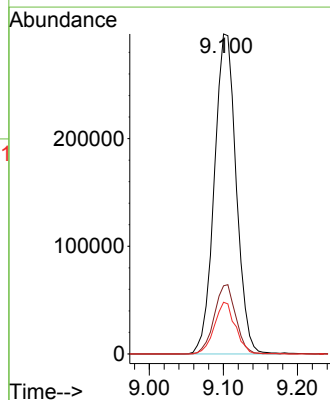
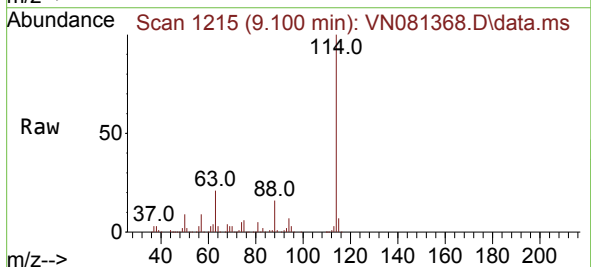
Instrument :
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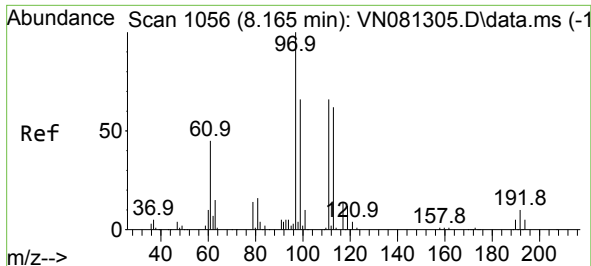
Tgt Ion: 65 Resp: 248734
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.006 min
 Lab File: VN081368.D
 Acq: 12 Mar 2024 10:57

Tgt Ion: 114 Resp: 610241
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 48.0
 88 16.2 0.0 34.8

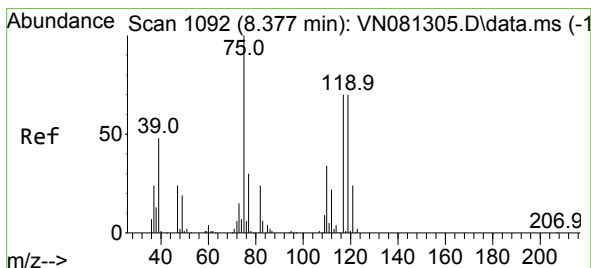
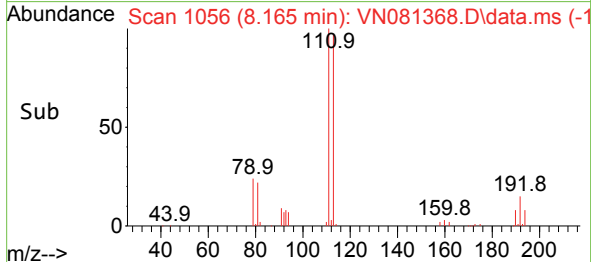
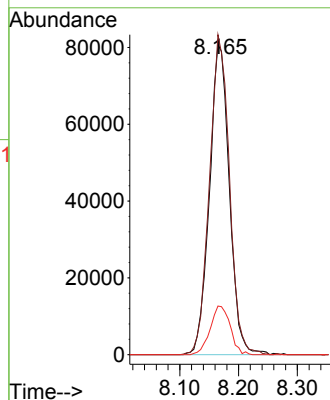
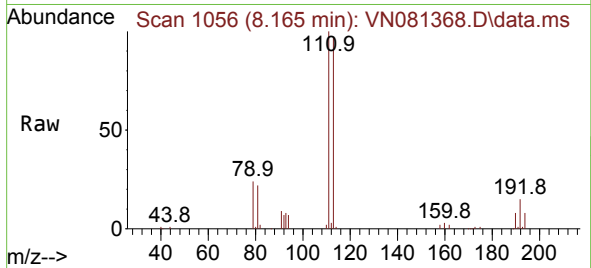




#35
Dibromofluoromethane
Concen: 50.818 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN081368.D
Acq: 12 Mar 2024 10:57

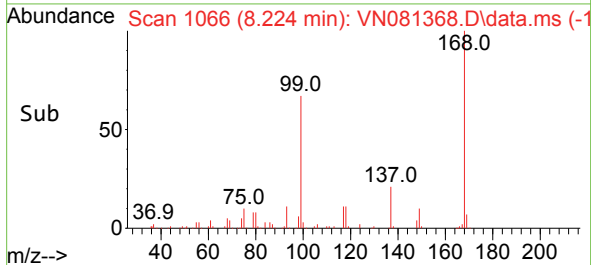
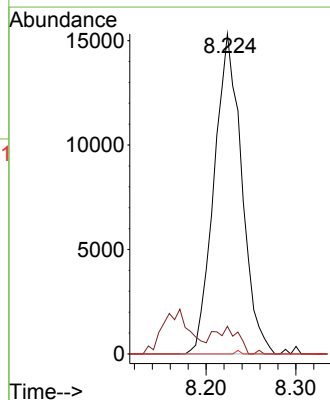
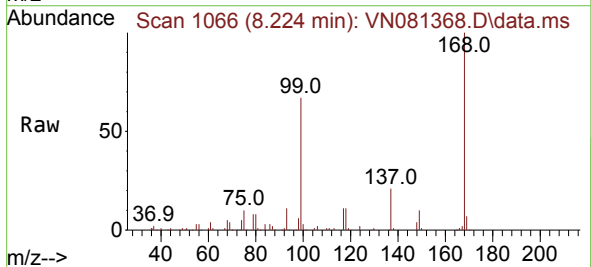
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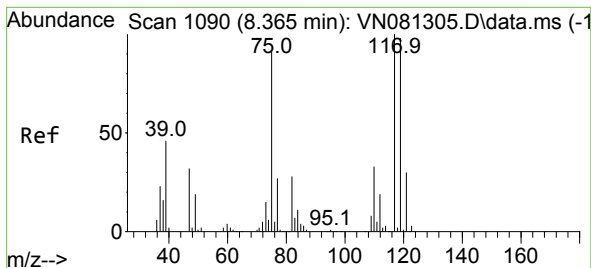
Tgt Ion:113 Resp: 189994
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.4
192 15.8 12.5 18.7



#36
1,1-Dichloropropene
Concen: 5.421 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN081368.D
Acq: 12 Mar 2024 10:57

Tgt Ion: 75 Resp: 32698
Ion Ratio Lower Upper
75 100
110 0.0 16.0 48.0#
77 0.2 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 6.524 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN081368.D

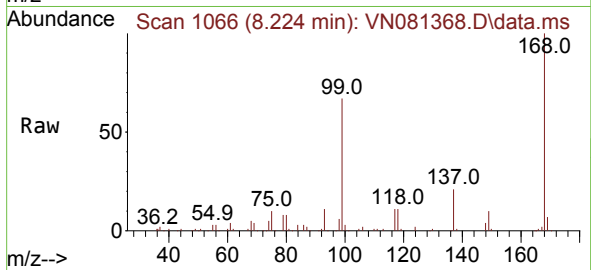
Acq: 12 Mar 2024 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN0312MBL01



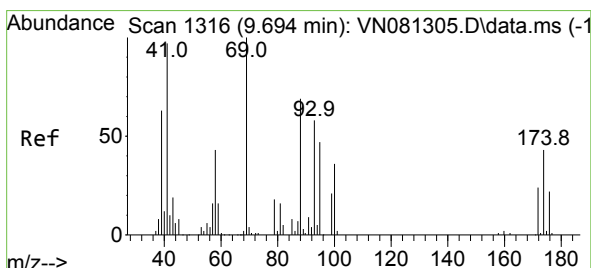
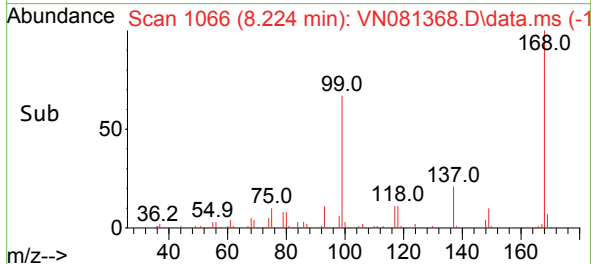
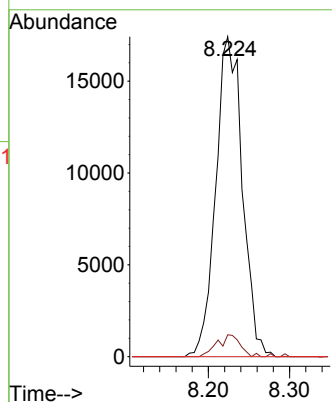
Tgt Ion:117 Resp: 39605

Ion Ratio Lower Upper

117 100

119 6.8 73.4 110.2#

121 0.0 24.4 36.6#



#49

1,4-Dioxane

Concen: 0.766 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.012 min

Lab File: VN081368.D

Acq: 12 Mar 2024 10:57

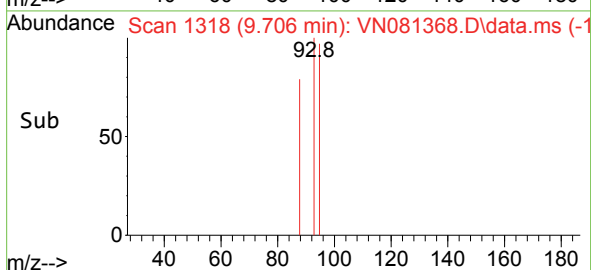
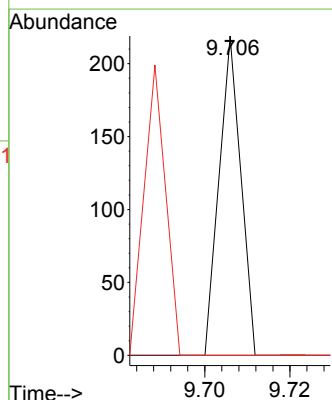
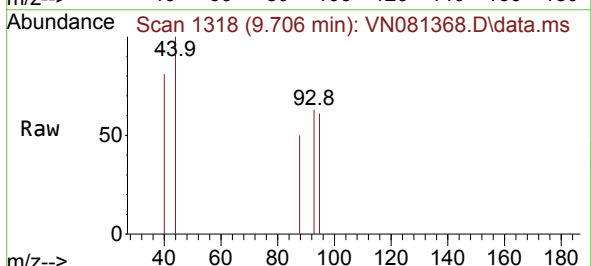
Tgt Ion: 88 Resp: 77

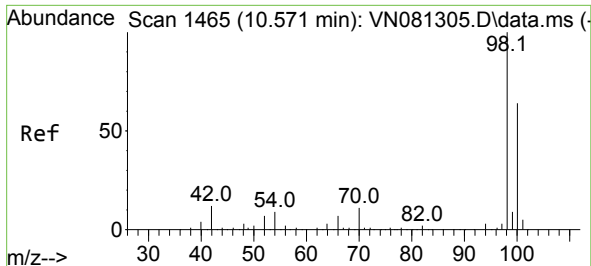
Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 90.9 63.9 95.9

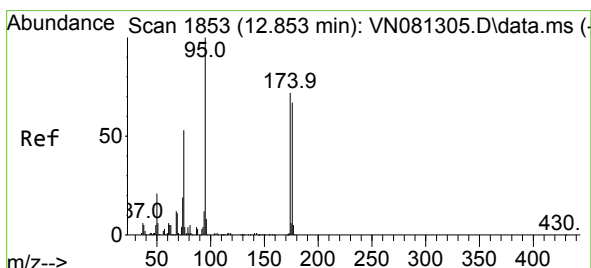
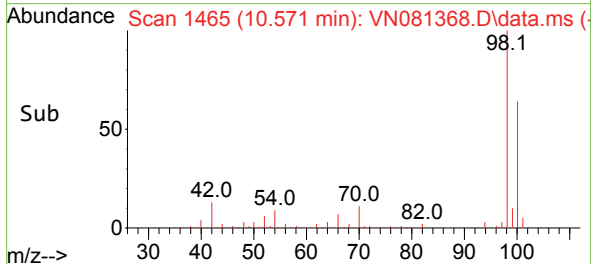
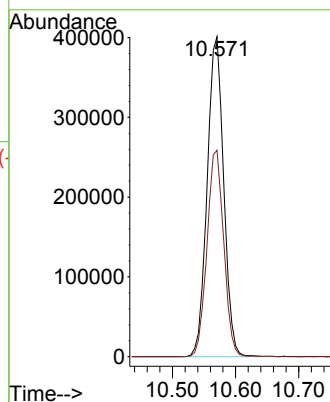
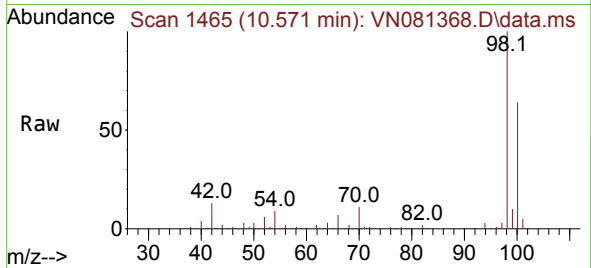




#50
Toluene-d8
Concen: 52.143 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN081368.D
Acq: 12 Mar 2024 10:57

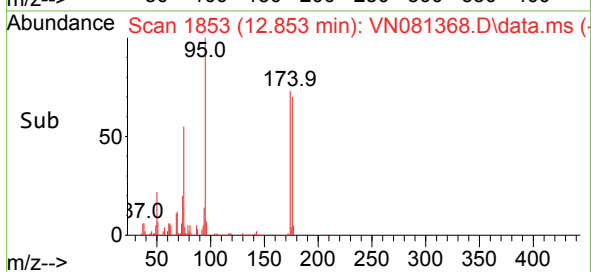
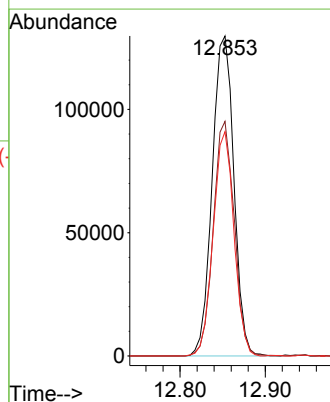
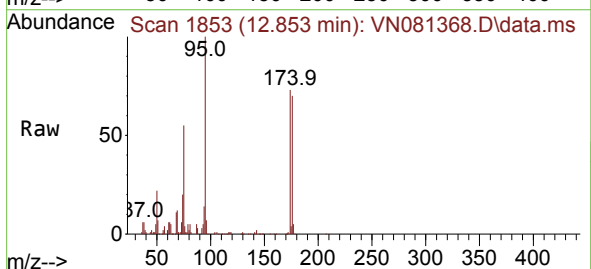
Instrument :
MSVOA_N
ClientSampleId :
VN0312MBL01

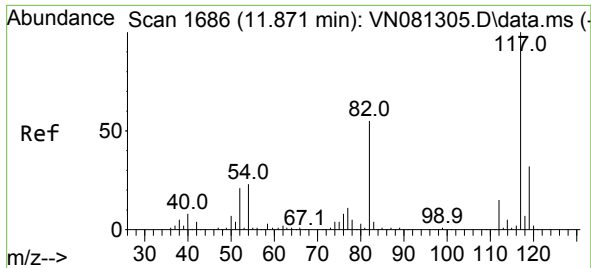
Tgt Ion: 98 Resp: 728768
Ion Ratio Lower Upper
98 100
100 65.4 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 46.314 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN081368.D
Acq: 12 Mar 2024 10:57

Tgt Ion: 95 Resp: 228778
Ion Ratio Lower Upper
95 100
174 71.2 0.0 120.4
176 67.5 0.0 121.0

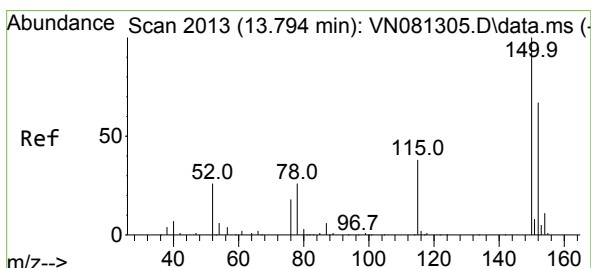
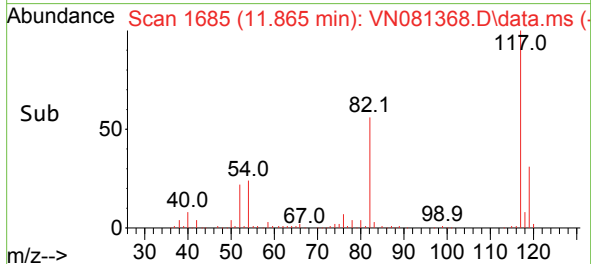
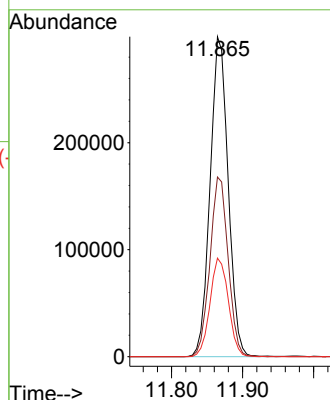
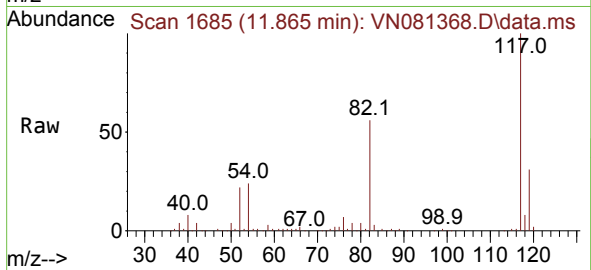




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN081368.D
Acq: 12 Mar 2024 10:57

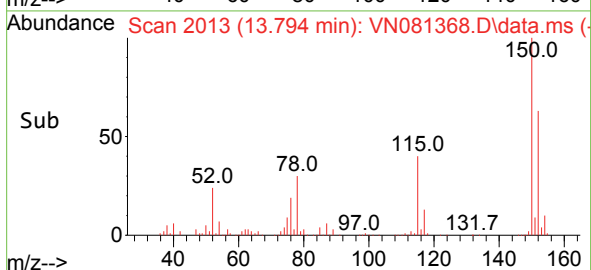
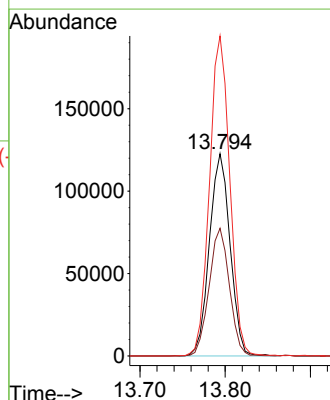
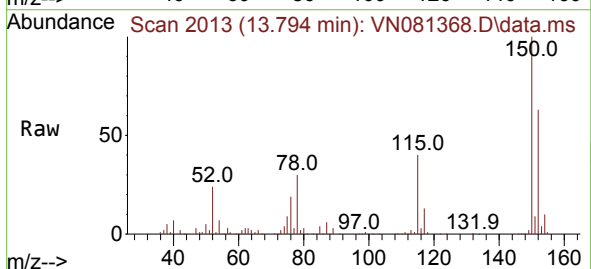
Instrument :
MSVOA_N
ClientSampleId :
VN0312MBL01

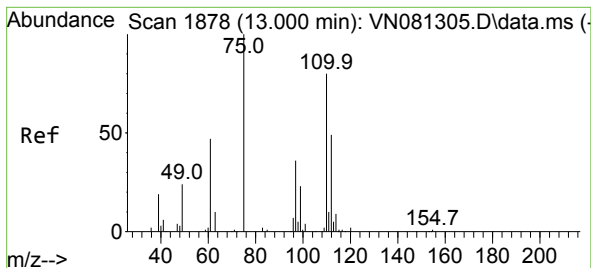
Tgt Ion:117 Resp: 526574
Ion Ratio Lower Upper
117 100
82 56.1 52.7 79.1
119 30.8 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081368.D
Acq: 12 Mar 2024 10:57

Tgt Ion:152 Resp: 206868
Ion Ratio Lower Upper
152 100
115 62.0 32.3 96.8
150 155.1 0.0 339.8





#76

1,2,3-Trichloropropane

Concen: 25.758 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN081368.D

Acq: 12 Mar 2024 10:57

Instrument :

MSVOA_N

ClientSampleId :

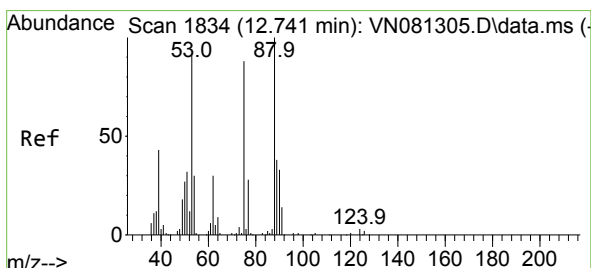
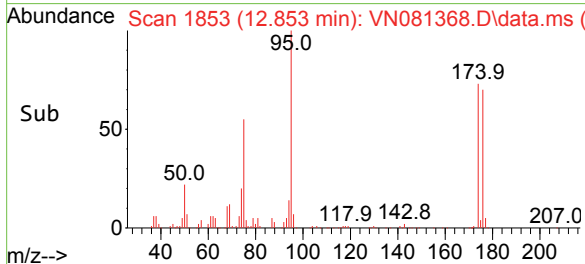
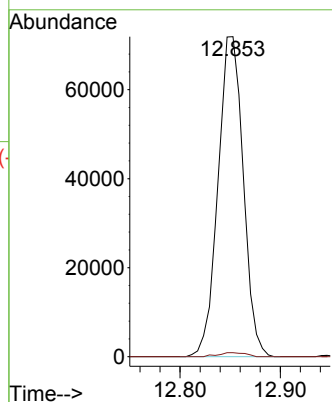
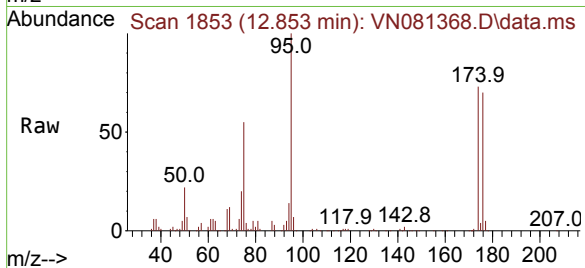
VN0312MBL01

Tgt Ion: 75 Resp: 125856

Ion Ratio Lower Upper

75 100

77 1.4 91.0 272.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.885 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN081368.D

Acq: 12 Mar 2024 10:57

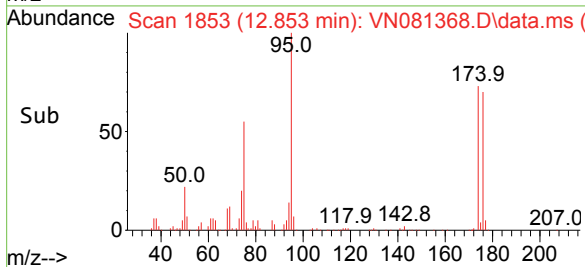
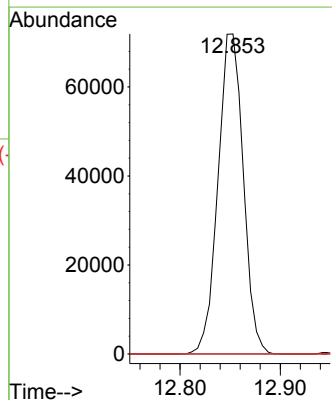
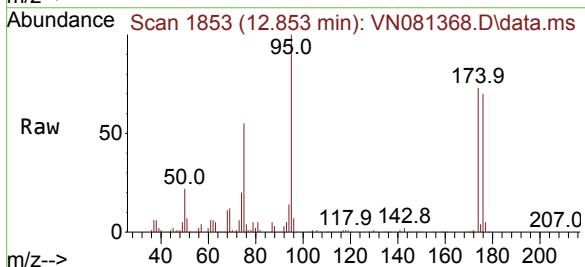
Tgt Ion: 75 Resp: 125856

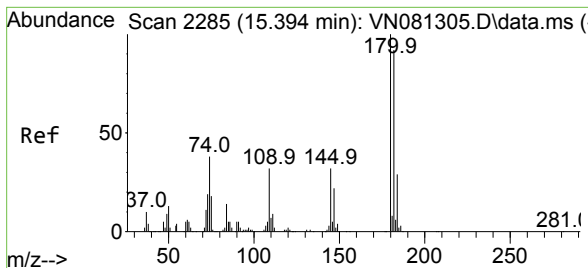
Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.2#

89 0.0 33.4 50.0#





#93

1,2,4-Trichlorobenzene

Concen: 0.442 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN081368.D

Acq: 12 Mar 2024 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN0312MBL01

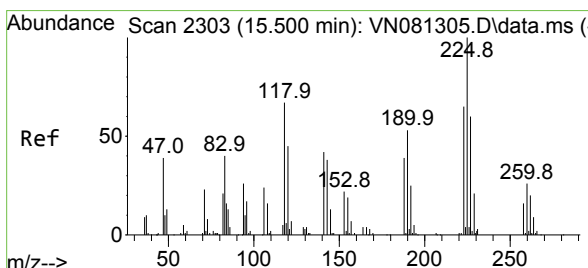
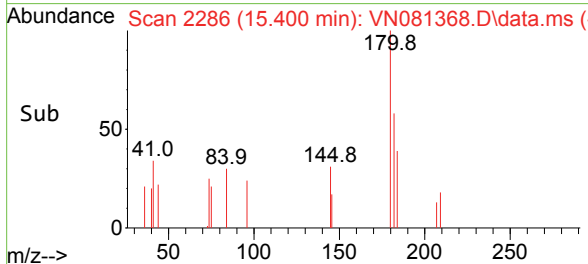
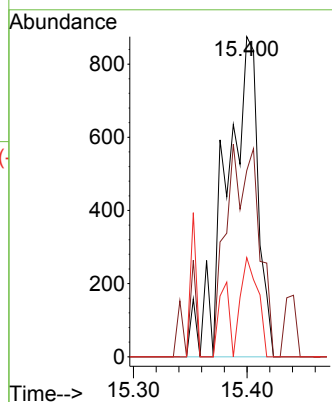
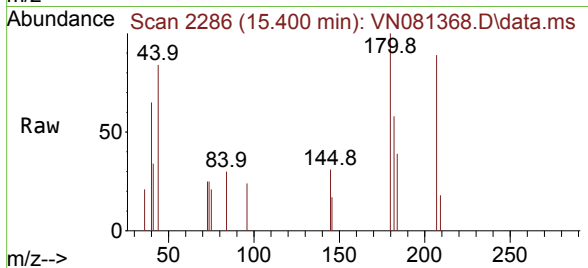
Tgt Ion:180 Resp: 1694

Ion Ratio Lower Upper

180 100

182 0.0 46.6 139.7#

145 16.9 16.8 50.3



#94

Hexachlorobutadiene

Concen: 0.521 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.006 min

Lab File: VN081368.D

Acq: 12 Mar 2024 10:57

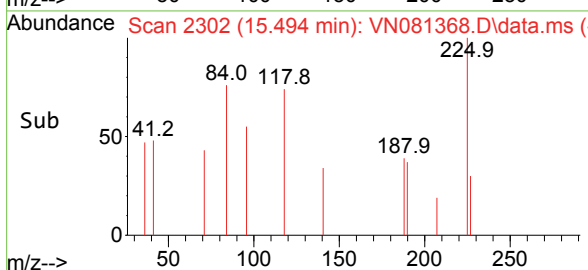
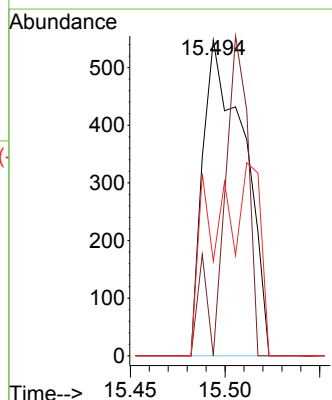
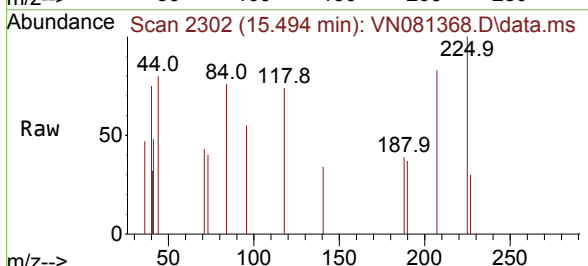
Tgt Ion:225 Resp: 826

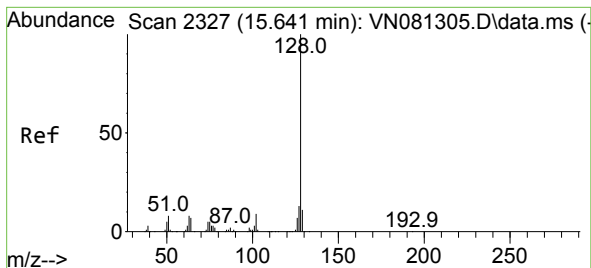
Ion Ratio Lower Upper

225 100

223 61.3 33.3 99.8

227 68.6 33.1 99.2





#95

Naphthalene

Concen: 0.411 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.006 min

Lab File: VN081368.D

Acq: 12 Mar 2024 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN0312MBL01

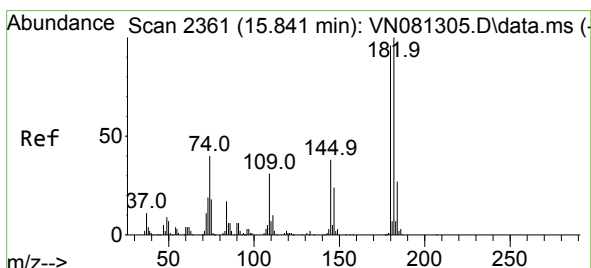
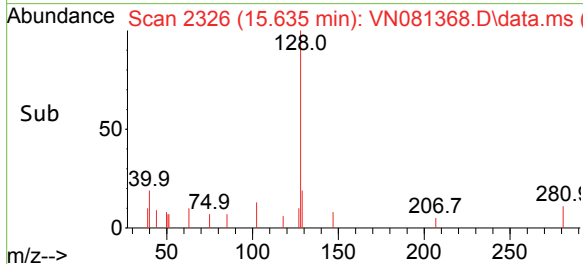
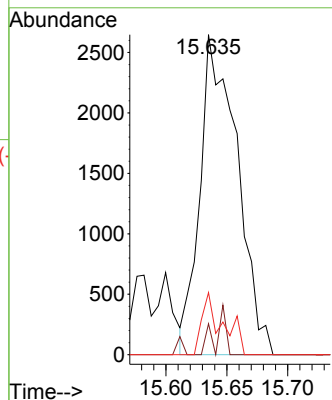
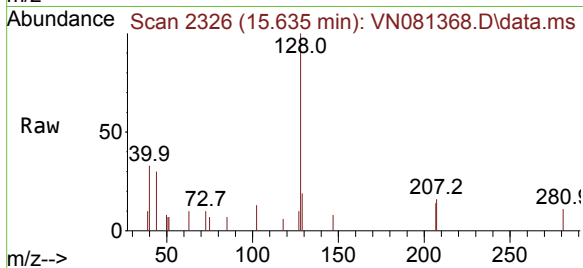
Tgt Ion:128 Resp: 5612

Ion Ratio Lower Upper

128 100

127 4.2 10.0 15.0#

129 10.9 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.443 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VN081368.D

Acq: 12 Mar 2024 10:57

Tgt Ion:180 Resp: 1723

Ion Ratio Lower Upper

180 100

182 89.4 46.5 139.3

145 20.9 17.8 53.4

