

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031124\
 Data File : VN081362.D
 Acq On : 11 Mar 2024 14:40
 Operator : JC\MD
 Sample : P1724-05 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 381

Quant Time: Mar 12 04:54:07 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)

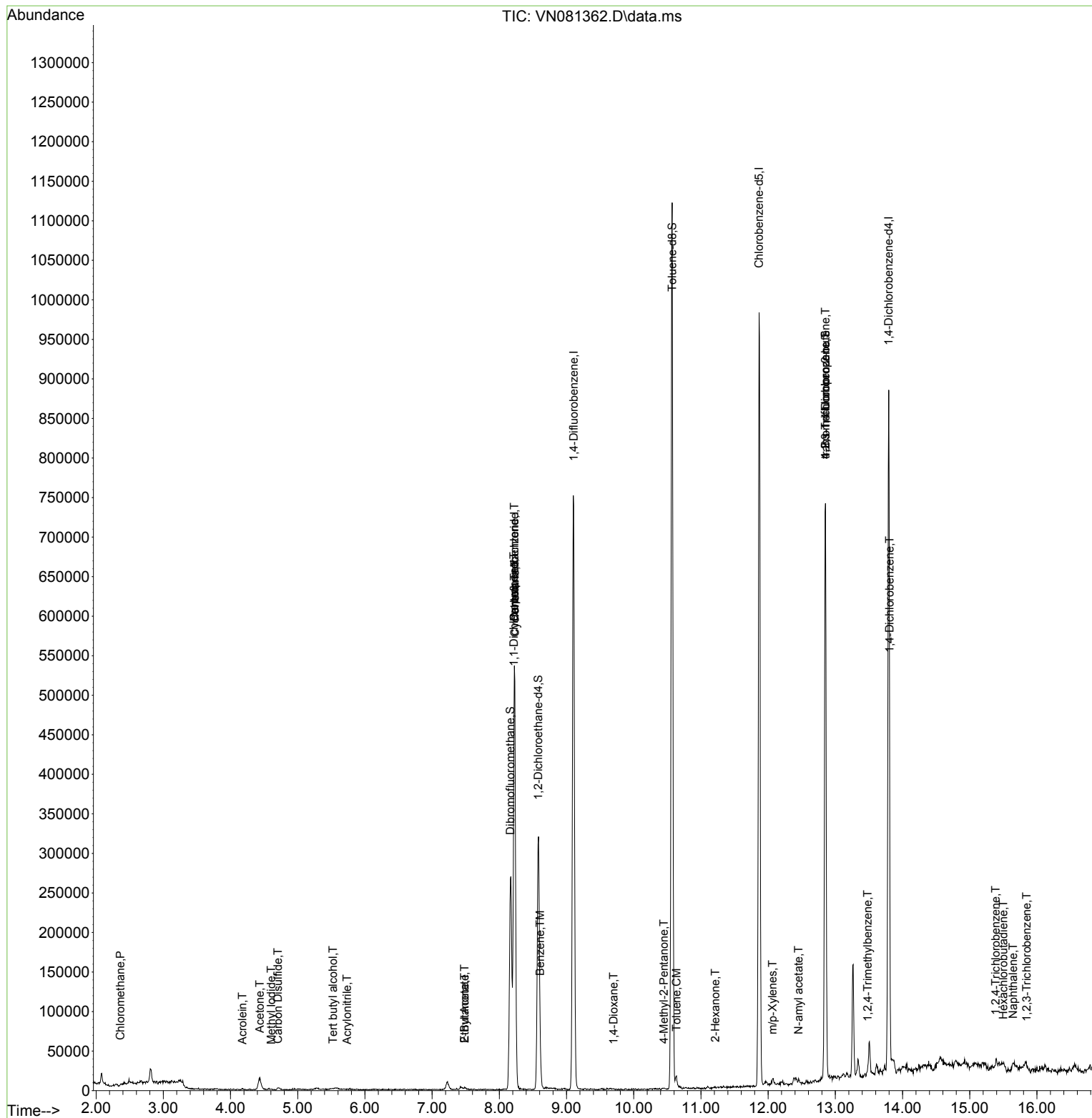
Internal Standards						
1) Pentafluorobenzene	8.224	168	360897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	641247	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	551451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	215857	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	261468	50.107	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.220%	
35) Dibromofluoromethane	8.165	113	195376	49.730	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.460%	
50) Toluene-d8	10.571	98	755118	51.416	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.840%	
62) 4-Bromofluorobenzene	12.853	95	248467	47.867	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 95.740%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1347	0.261	ug/l	99
10) Methyl Iodide	4.606	142	951	0.229	ug/l #	77
11) Tert butyl alcohol	5.524	59	1248	1.368	ug/l #	85
13) Acrolein	4.177	56	412	0.381	ug/l #	1
15) Acrylonitrile	5.736	53	542	0.227	ug/l #	53
16) Acetone	4.436	43	27506	14.878	ug/l	91
17) Carbon Disulfide	4.706	76	2892	0.241	ug/l #	73
20) Methylene Chloride	5.277	84	1302	Below Cal	#	63
25) 2-Butanone	7.483	43	3701	1.195	ug/l	98
31) Cyclohexane	8.230	56	9372	1.186	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	34405	5.428	ug/l #	50
37) Ethyl Acetate	7.483	43	3701	0.597	ug/l #	77
38) Carbon Tetrachloride	8.224	117	41217	6.461	ug/l #	16
40) Benzene	8.606	78	18942	1.001	ug/l	93
49) 1,4-Dioxane	9.700	88	148	1.401	ug/l #	47
51) 4-Methyl-2-Pentanone	10.447	43	1435	0.228	ug/l #	61
52) Toluene	10.635	92	4911	0.430	ug/l	95
59) 2-Hexanone	11.212	43	1596	0.339	ug/l #	54
68) m/p-Xylenes	12.065	106	2428	0.308	ug/l #	62
74) N-amyl acetate	12.453	43	2522	0.345	ug/l #	54
76) 1,2,3-Trichloropropane	12.853	75	135413	26.559	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	135413	74.123	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.482	105	4746	0.325	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	1611	0.207	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.388	180	1118	0.279	ug/l #	13
94) Hexachlorobutadiene	15.500	225	550	0.333	ug/l	89
95) Naphthalene	15.647	128	8871	0.623	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.847	180	1352	0.333	ug/l #	55

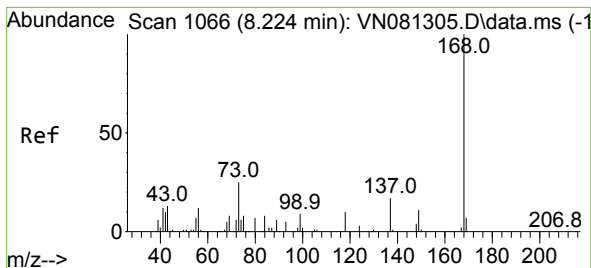
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031124\
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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# 1066

Delta R.T. -0.000 min

Lab File: VN081362.D

Acq: 11 Mar 2024 14:40

Instrument :

MSVOA_N

ClientSampleId :

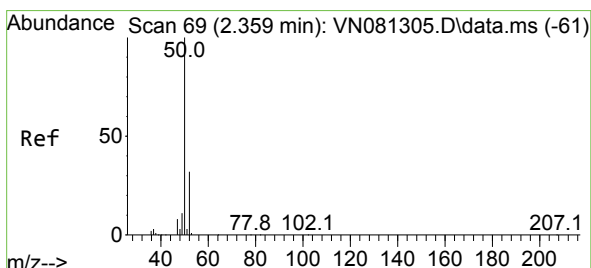
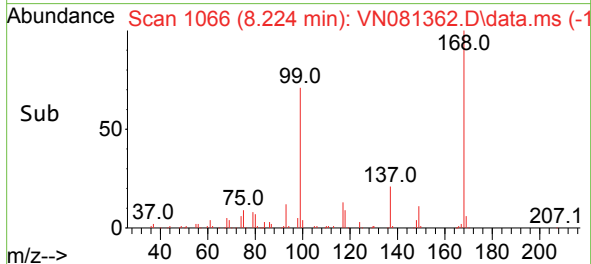
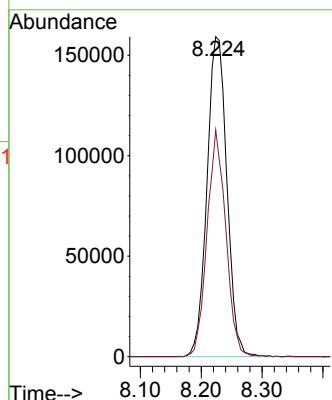
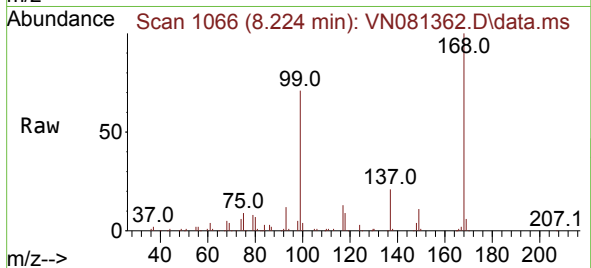
381

Tgt Ion:168 Resp: 360897

Ion Ratio Lower Upper

168 100

99 70.8 59.9 89.9



#3

Chloromethane

Concen: 0.261 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN081362.D

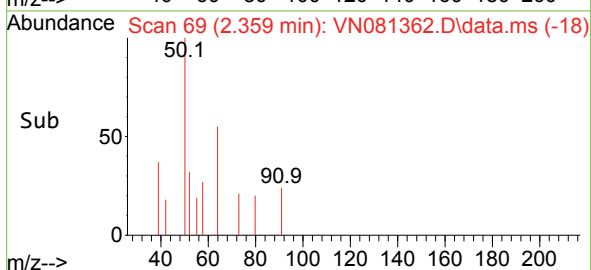
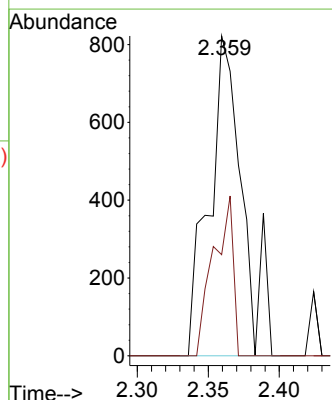
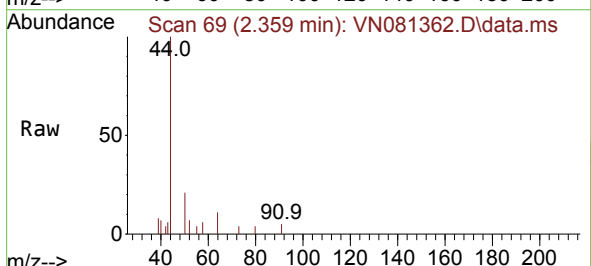
Acq: 11 Mar 2024 14:40

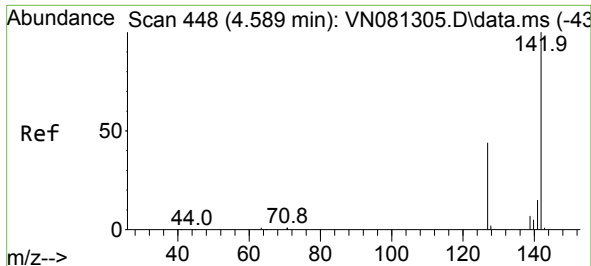
Tgt Ion: 50 Resp: 1347

Ion Ratio Lower Upper

50 100

52 31.6 25.0 37.4

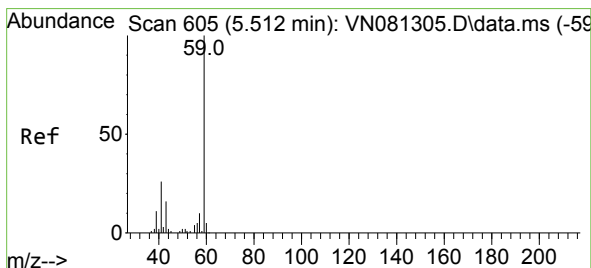
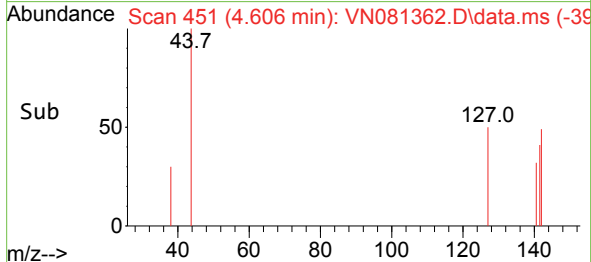
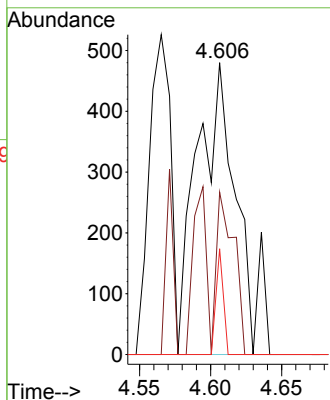
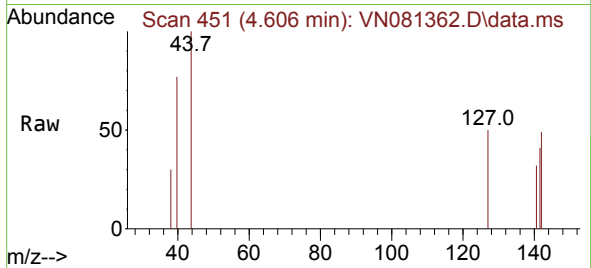




#10
Methyl Iodide
Concen: 0.229 ug/l
RT: 4.606 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN081362.D
Acq: 11 Mar 2024 14:40

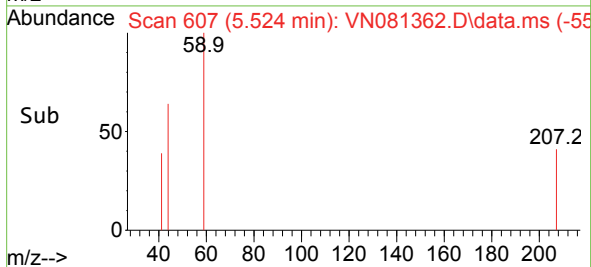
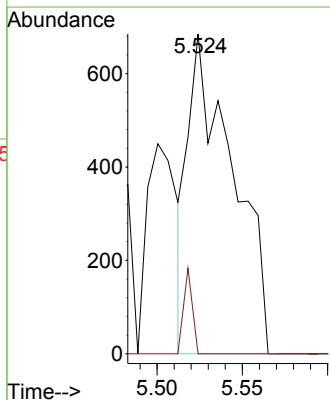
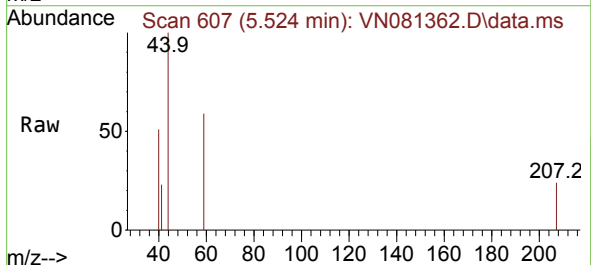
Instrument :
MSVOA_N
ClientSampleId :
381

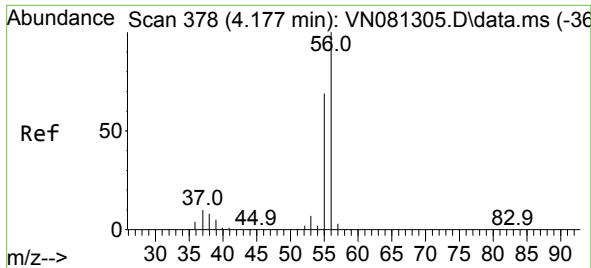
Tgt Ion:142 Resp: 951
Ion Ratio Lower Upper
142 100
127 55.6 37.0 55.4#
141 36.3 12.5 18.7#



#11
Tert butyl alcohol
Concen: 1.368 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN081362.D
Acq: 11 Mar 2024 14:40

Tgt Ion: 59 Resp: 1248
Ion Ratio Lower Upper
59 100
57 5.2 8.6 12.8#

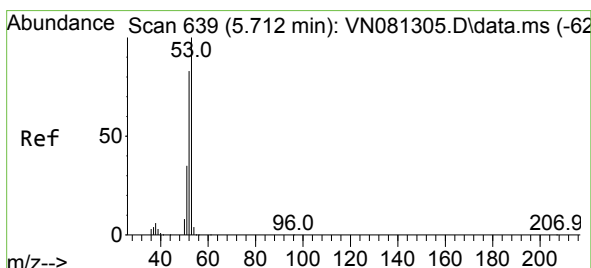
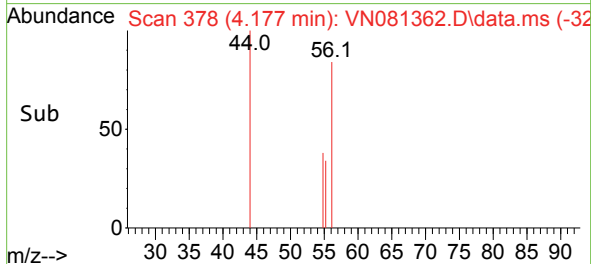
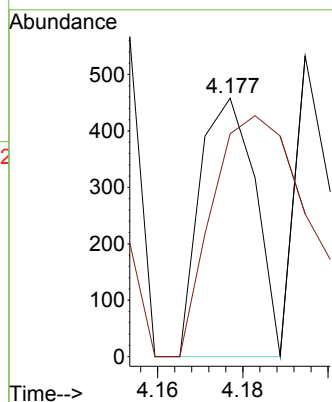
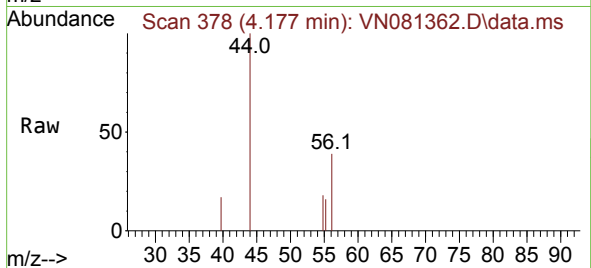




#13
Acrolein
Concen: 0.381 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN081362.D
Acq: 11 Mar 2024 14:40

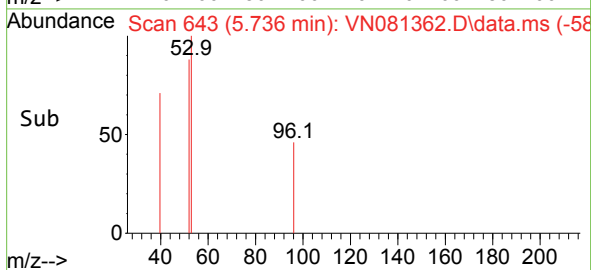
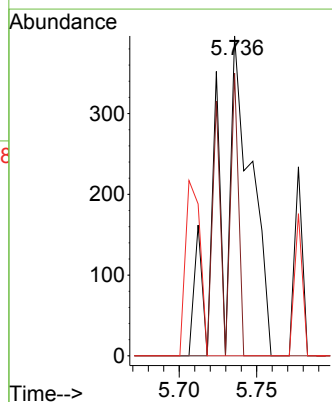
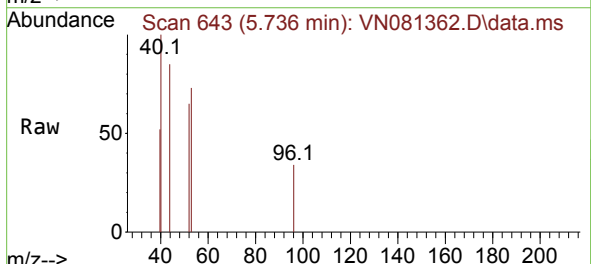
Instrument :
MSVOA_N
ClientSampleId :
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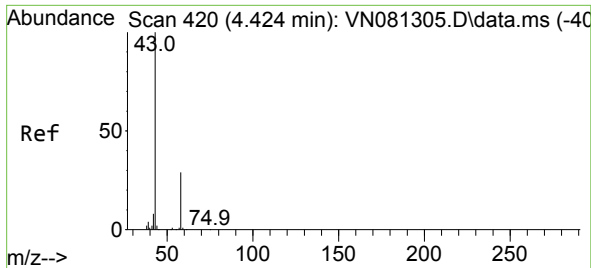
Tgt Ion: 56 Resp: 412
Ion Ratio Lower Upper
56 100
55 159.0 55.3 82.9#



#15
Acrylonitrile
Concen: 0.227 ug/l
RT: 5.736 min Scan# 643
Delta R.T. 0.024 min
Lab File: VN081362.D
Acq: 11 Mar 2024 14:40

Tgt Ion: 53 Resp: 542
Ion Ratio Lower Upper
53 100
52 43.4 64.8 97.2#
51 0.0 26.9 40.3#





#16

Acetone

Concen: 14.878 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN081362.D

Acq: 11 Mar 2024 14:40

Instrument :

MSVOA_N

ClientSampleId :

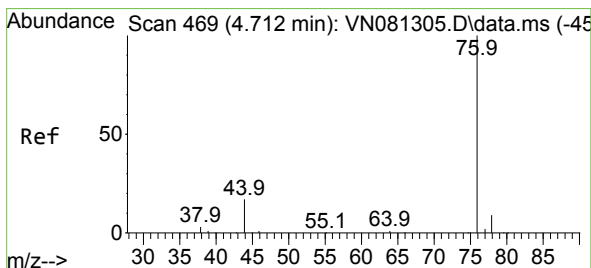
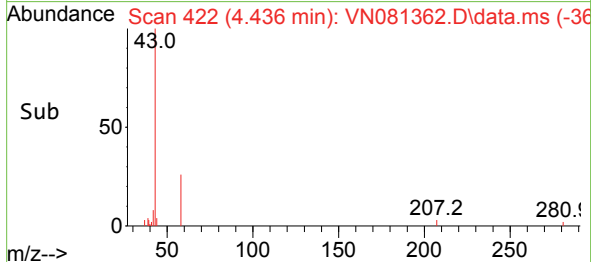
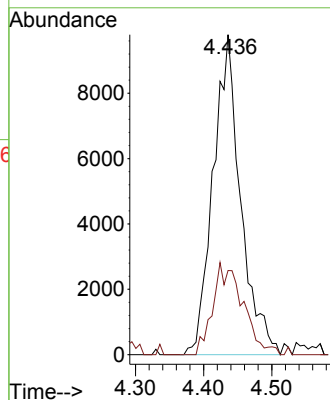
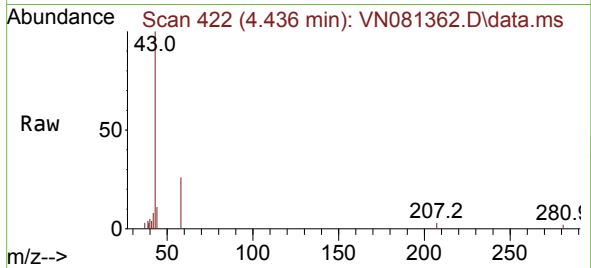
381

Tgt Ion: 43 Resp: 27506

Ion Ratio Lower Upper

43 100

58 26.3 24.8 37.2



#17

Carbon Disulfide

Concen: 0.241 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.006 min

Lab File: VN081362.D

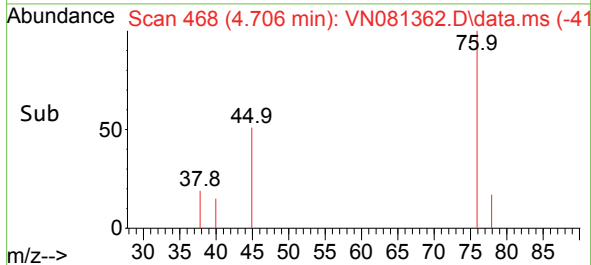
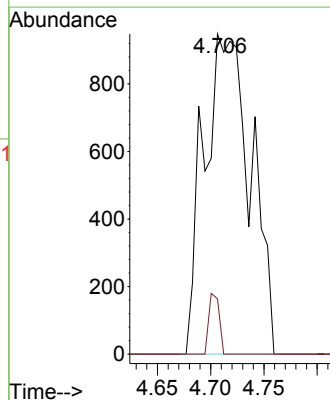
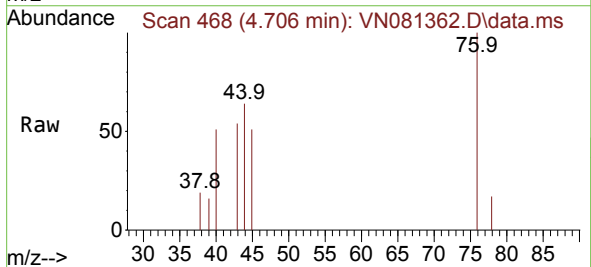
Acq: 11 Mar 2024 14:40

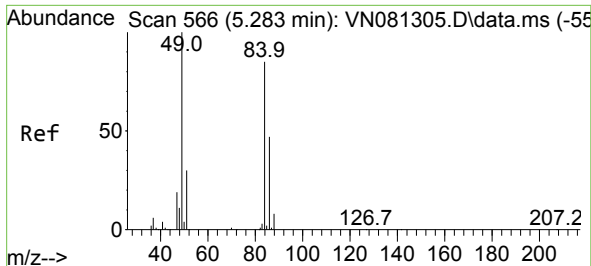
Tgt Ion: 76 Resp: 2892

Ion Ratio Lower Upper

76 100

78 17.3 6.3 9.5#

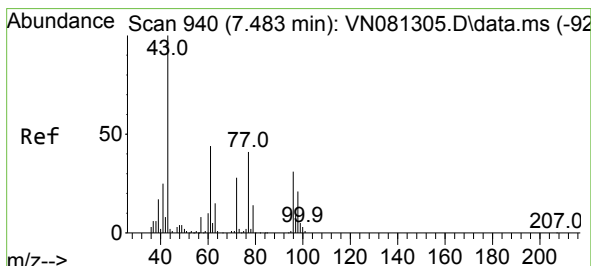
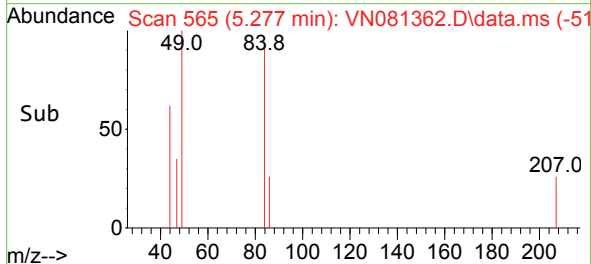
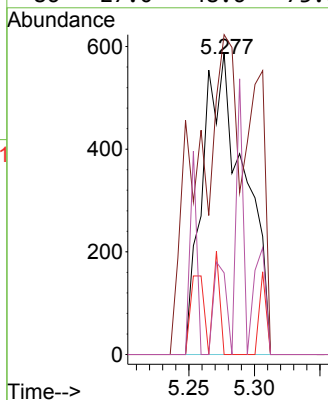
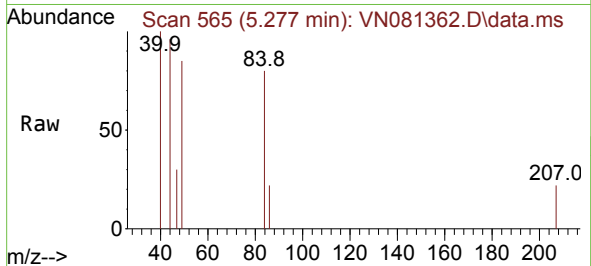




#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN081362.D
Acq: 11 Mar 2024 14:40

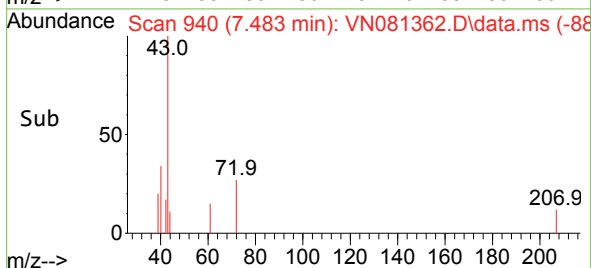
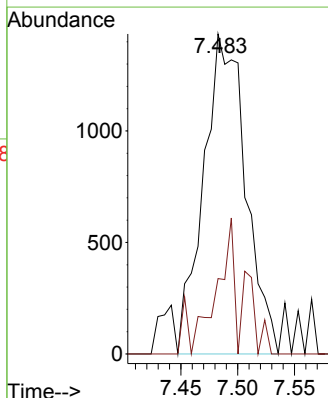
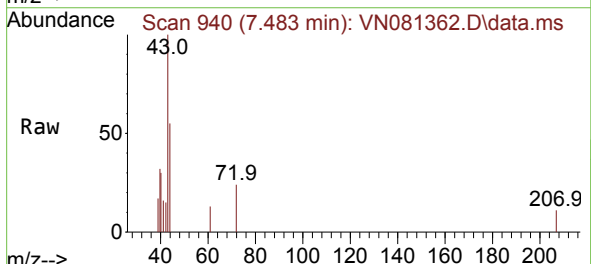
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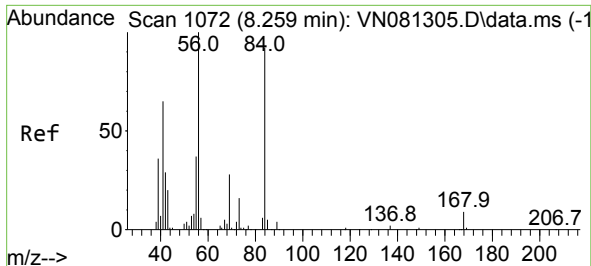
Tgt Ion:	84	Resp:	1302
Ion	Ratio	Lower	Upper
84	100		
49	106.0	108.1	162.1#
51	0.0	32.9	49.3#
86	27.0	48.6	73.0#



#25
2-Butanone
Concen: 1.195 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN081362.D
Acq: 11 Mar 2024 14:40

Tgt Ion:	43	Resp:	3701
Ion	Ratio	Lower	Upper
43	100		
72	23.6	19.5	29.3

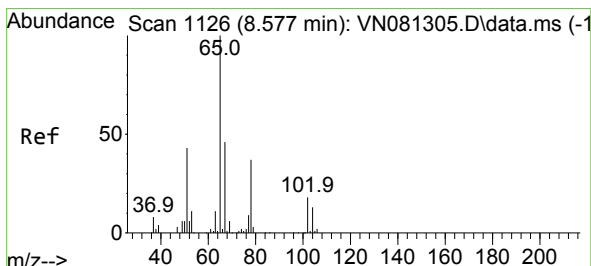
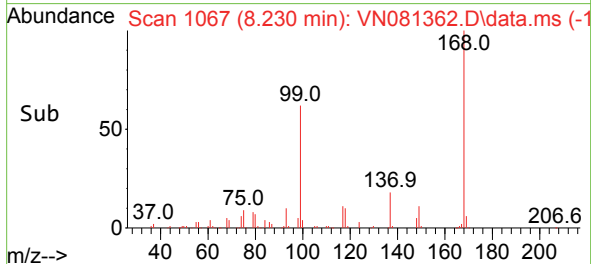
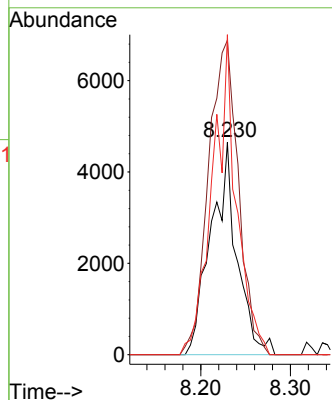
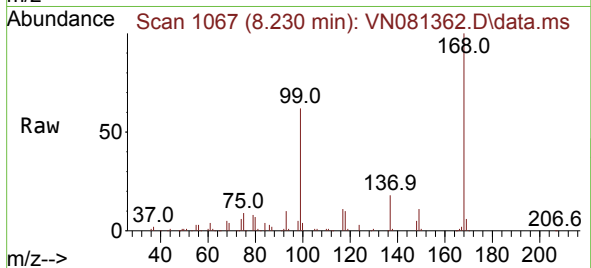




#31
Cyclohexane
Concen: 1.186 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081362.D
Acq: 11 Mar 2024 14:40

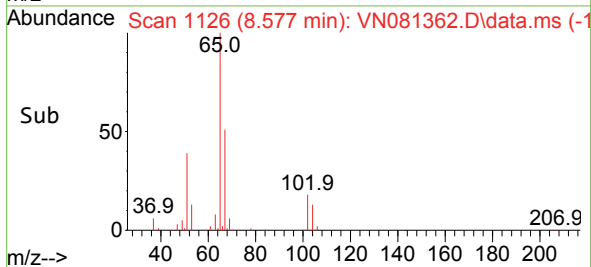
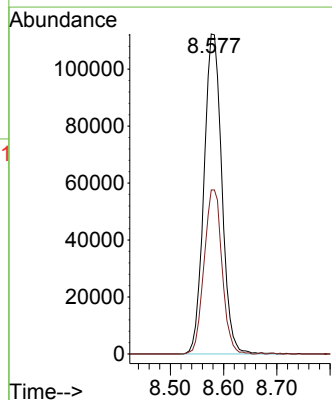
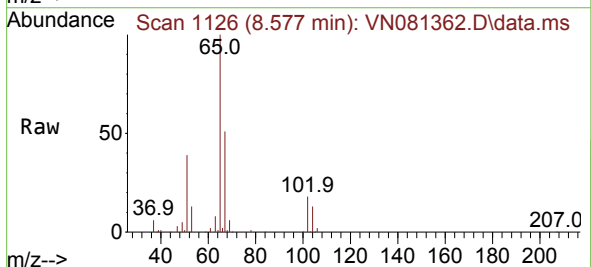
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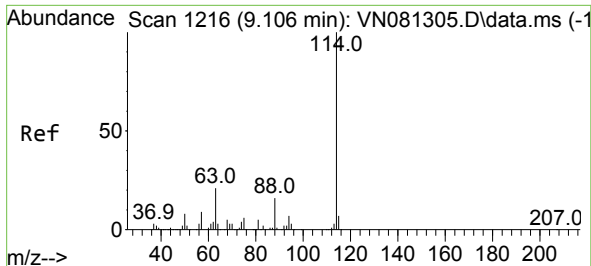
Tgt Ion: 56 Resp: 9372
Ion Ratio Lower Upper
56 100
69 148.0 20.1 30.1#
84 150.7 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 50.107 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081362.D
Acq: 11 Mar 2024 14:40

Tgt Ion: 65 Resp: 261468
Ion Ratio Lower Upper
65 100
67 51.5 0.0 102.4

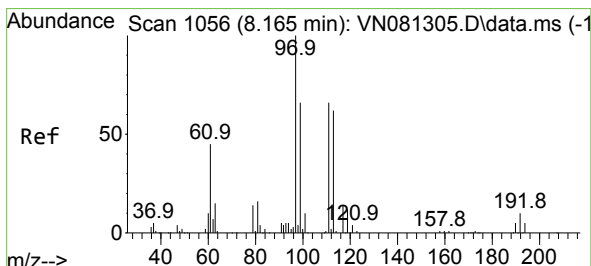
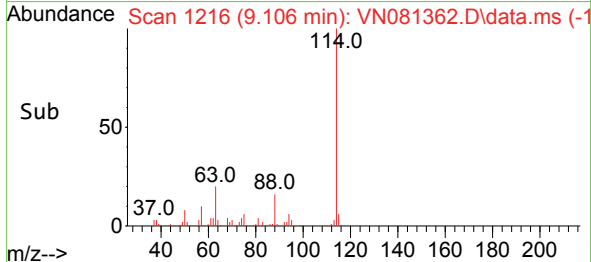
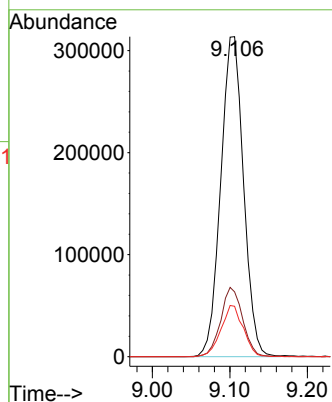
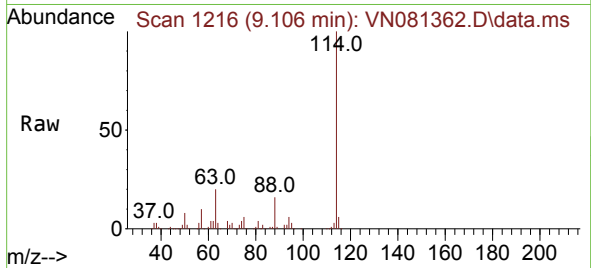




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081362.D
Acq: 11 Mar 2024 14:40

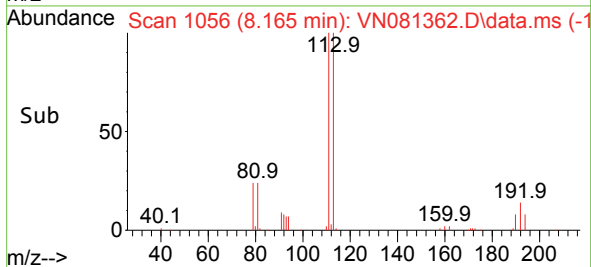
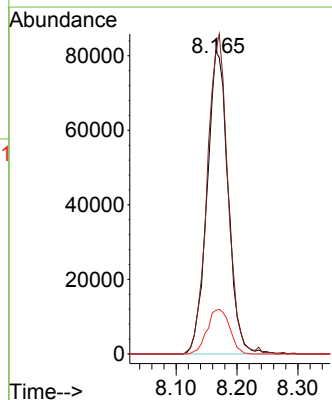
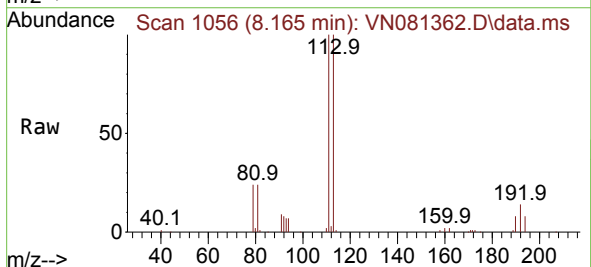
Instrument :
MSVOA_N
ClientSampleId :
381

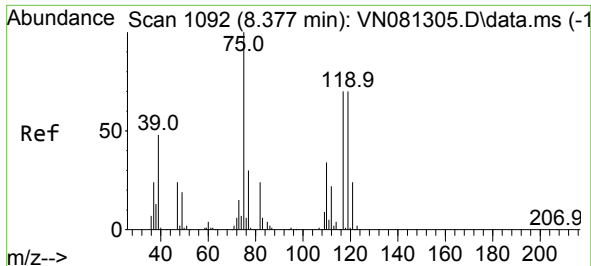
Tgt Ion:114 Resp: 641247
Ion Ratio Lower Upper
114 100
63 20.3 0.0 48.0
88 15.8 0.0 34.8



#35
Dibromofluoromethane
Concen: 49.730 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN081362.D
Acq: 11 Mar 2024 14:40

Tgt Ion:113 Resp: 195376
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.4
192 15.7 12.5 18.7

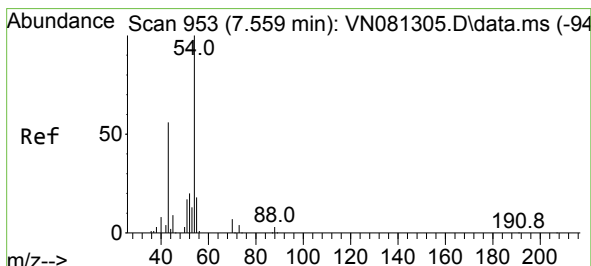
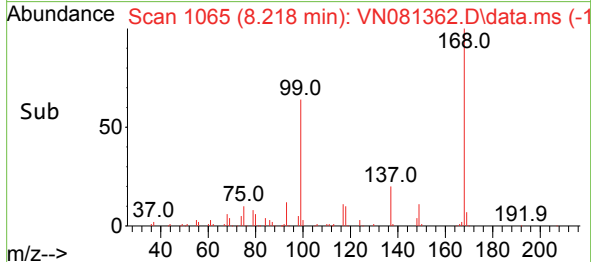
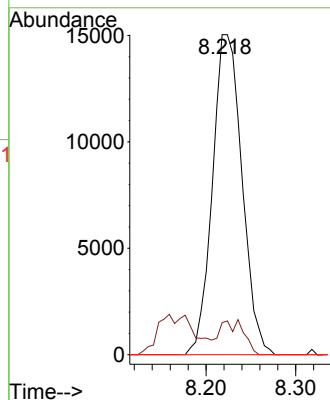
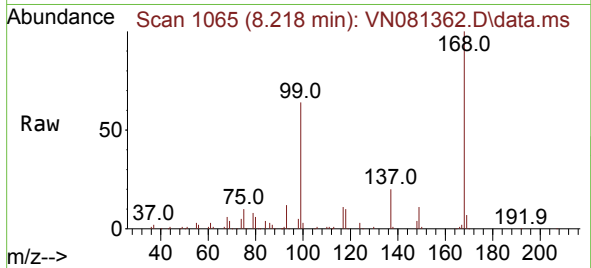




#36
1,1-Dichloropropene
Concen: 5.428 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.159 min
Lab File: VN081362.D
Acq: 11 Mar 2024 14:40

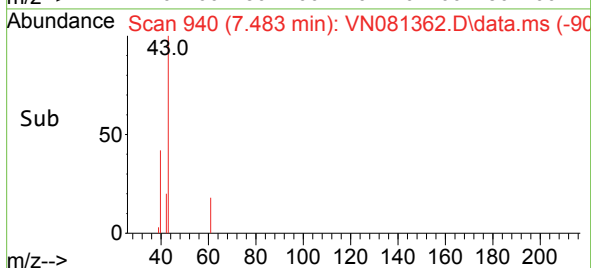
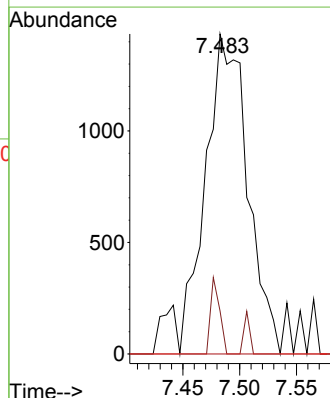
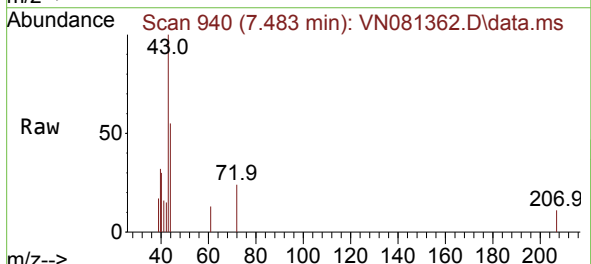
Instrument :
MSVOA_N
ClientSampleId :
381

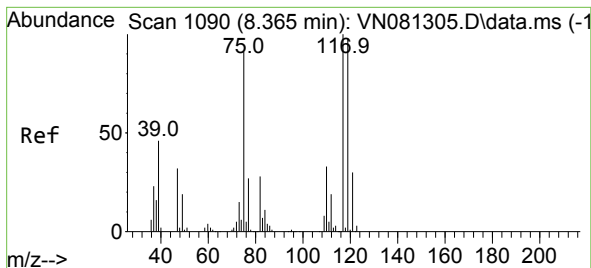
Tgt Ion: 75 Resp: 34405
Ion Ratio Lower Upper
75 100
110 8.8 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 0.597 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.076 min
Lab File: VN081362.D
Acq: 11 Mar 2024 14:40

Tgt Ion: 43 Resp: 3701
Ion Ratio Lower Upper
43 100
61 5.1 10.6 15.8#
70 0.0 8.0 12.0#





#38

Carbon Tetrachloride

Concen: 6.461 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN081362.D

Acq: 11 Mar 2024 14:40

Instrument :

MSVOA_N

ClientSampleId :

381

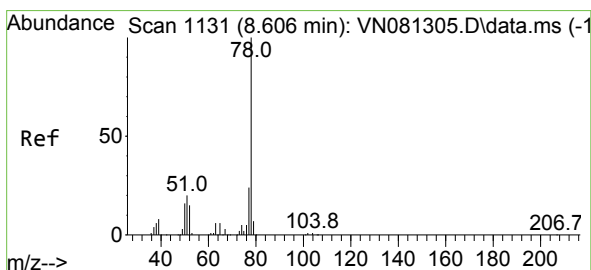
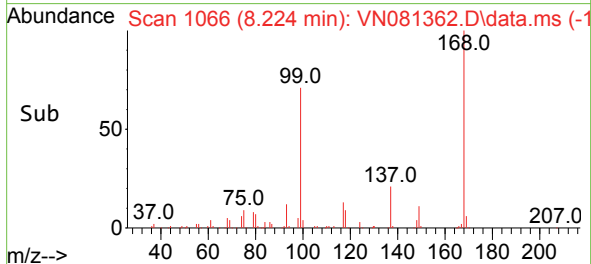
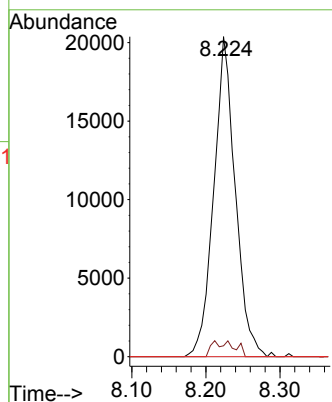
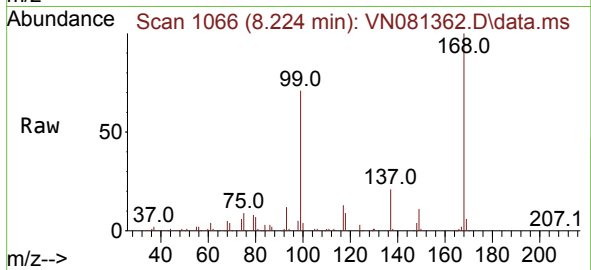
Tgt Ion:117 Resp: 41217

Ion Ratio Lower Upper

117 100

119 3.4 73.4 110.2#

121 0.0 24.4 36.6#



#40

Benzene

Concen: 1.001 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN081362.D

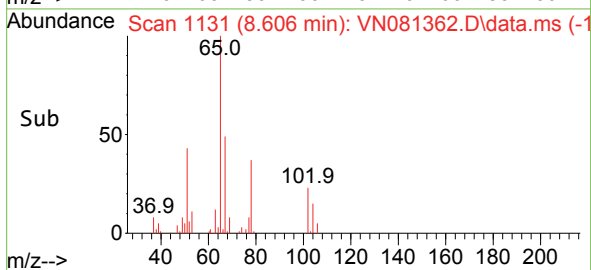
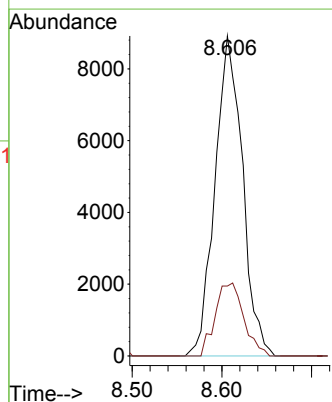
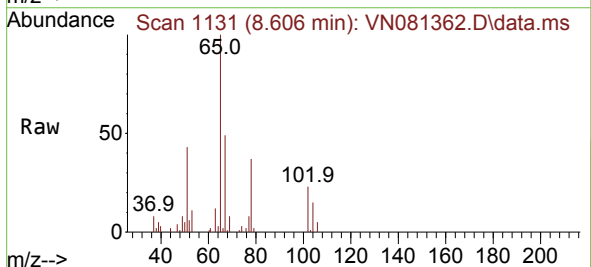
Acq: 11 Mar 2024 14:40

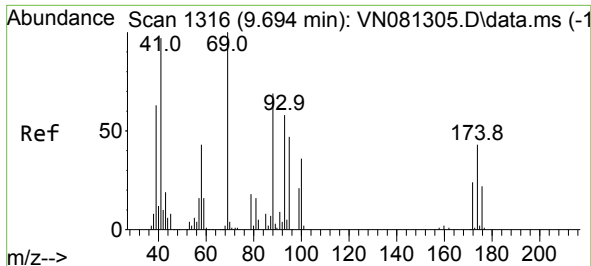
Tgt Ion: 78 Resp: 18942

Ion Ratio Lower Upper

78 100

77 21.8 20.4 30.6





#49

1,4-Dioxane

Concen: 1.401 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081362.D

Acq: 11 Mar 2024 14:40

Instrument :

MSVOA_N

ClientSampleId :

381

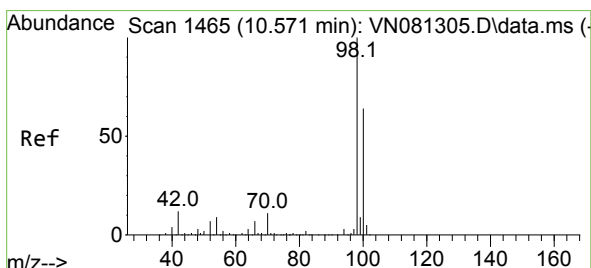
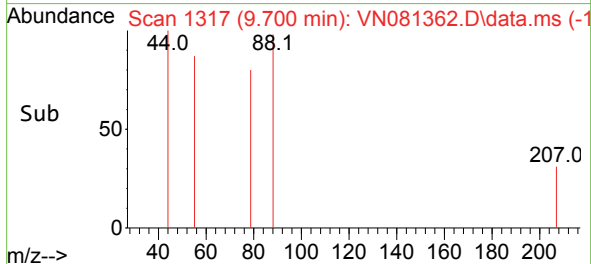
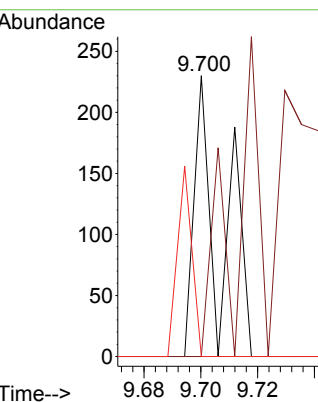
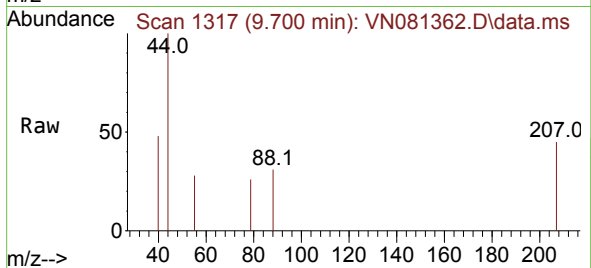
Tgt Ion: 88 Resp: 148

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 37.2 63.9 95.9#



#50

Toluene-d8

Concen: 51.416 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN081362.D

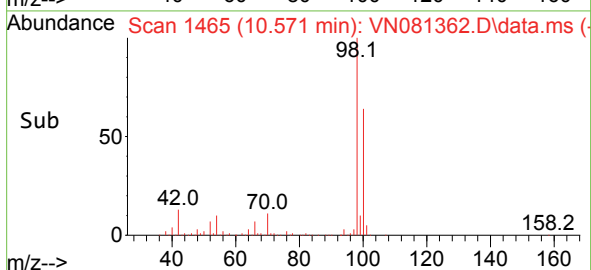
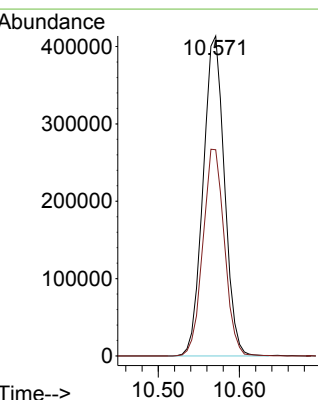
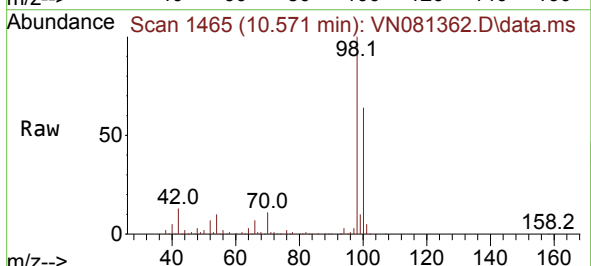
Acq: 11 Mar 2024 14:40

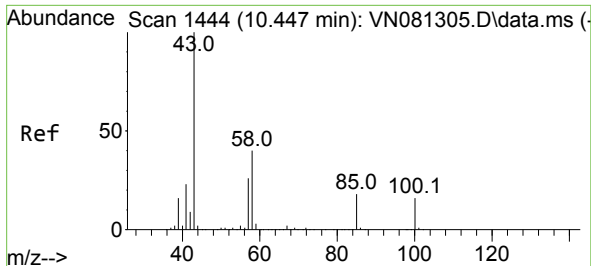
Tgt Ion: 98 Resp: 755118

Ion Ratio Lower Upper

98 100

100 65.2 51.4 77.0

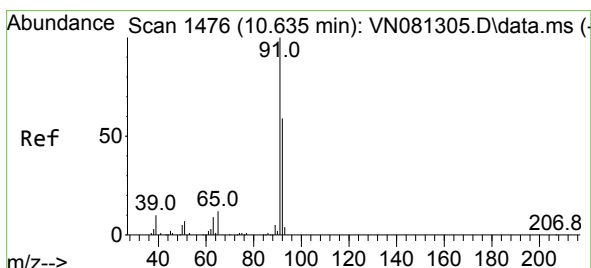
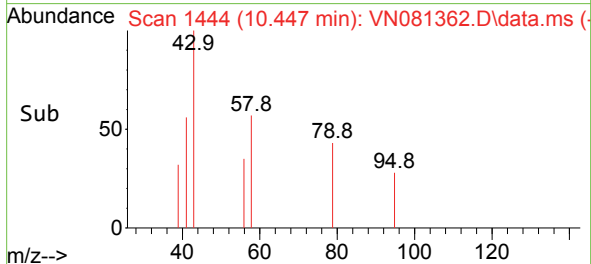
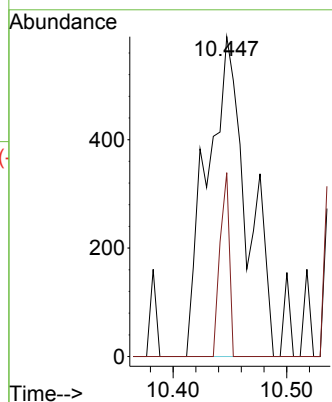
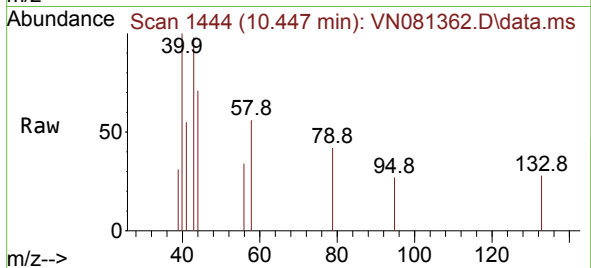




#51
4-Methyl-2-Pentanone
Concen: 0.228 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081362.D
Acq: 11 Mar 2024 14:40

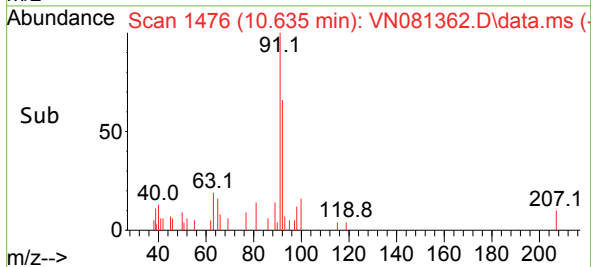
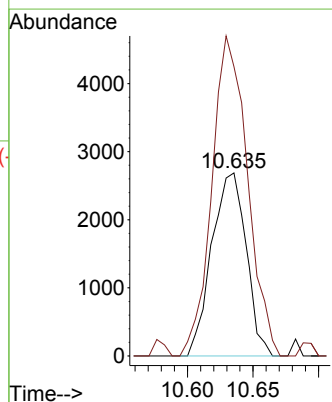
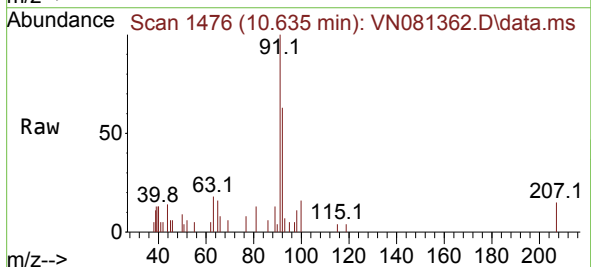
Instrument :
MSVOA_N
ClientSampleId :
381

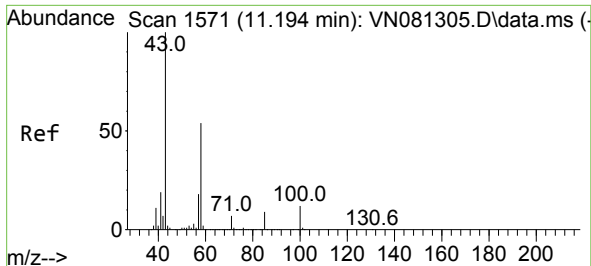
Tgt Ion: 43 Resp: 1435
Ion Ratio Lower Upper
43 100
58 13.5 29.4 44.0#



#52
Toluene
Concen: 0.430 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN081362.D
Acq: 11 Mar 2024 14:40

Tgt Ion: 92 Resp: 4911
Ion Ratio Lower Upper
92 100
91 180.7 139.4 209.0

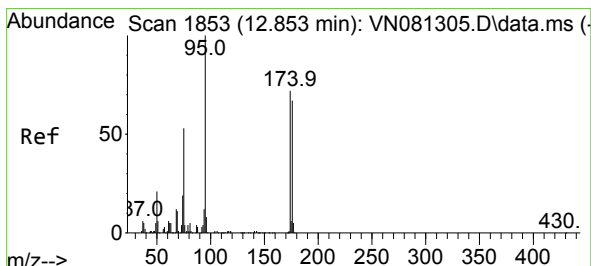
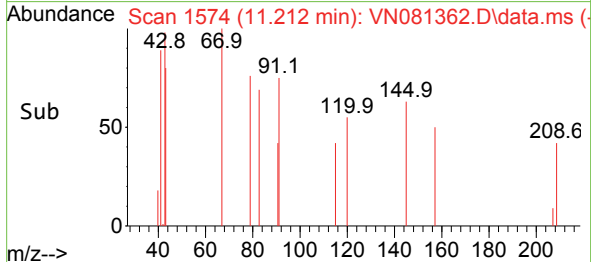
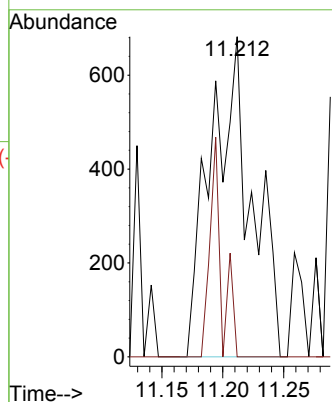
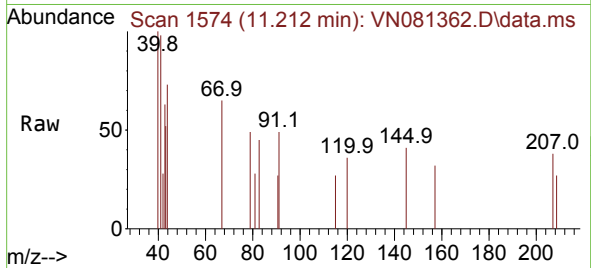




#59
2-Hexanone
Concen: 0.339 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.018 min
Lab File: VN081362.D
Acq: 11 Mar 2024 14:40

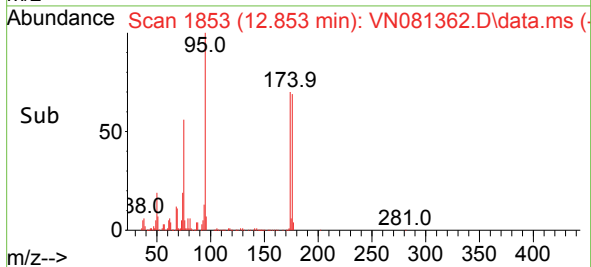
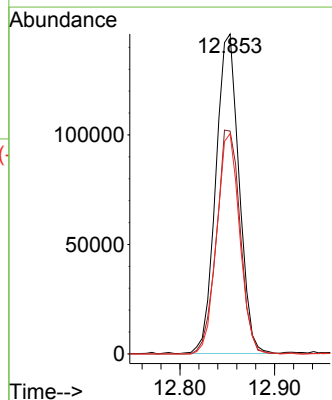
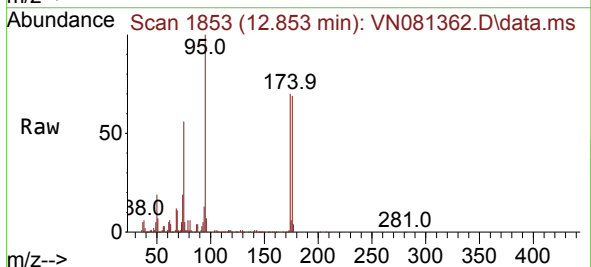
Instrument :
MSVOA_N
ClientSampleId :
381

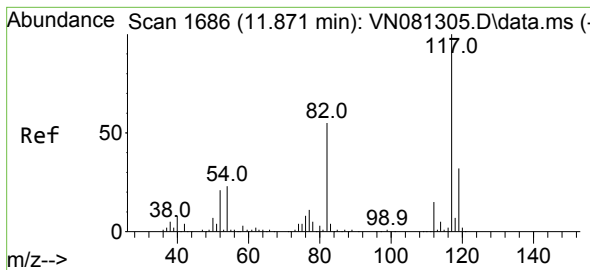
Tgt Ion: 43 Resp: 1596
Ion Ratio Lower Upper
43 100
58 19.5 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 47.867 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081362.D
Acq: 11 Mar 2024 14:40

Tgt Ion: 95 Resp: 248467
Ion Ratio Lower Upper
95 100
174 71.5 0.0 120.4
176 68.2 0.0 121.0

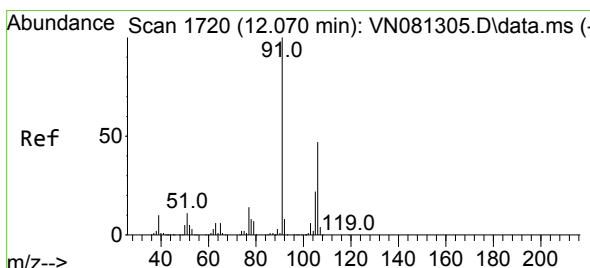
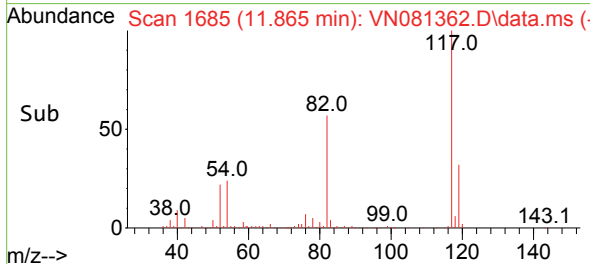
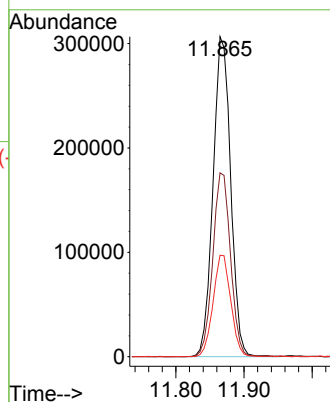
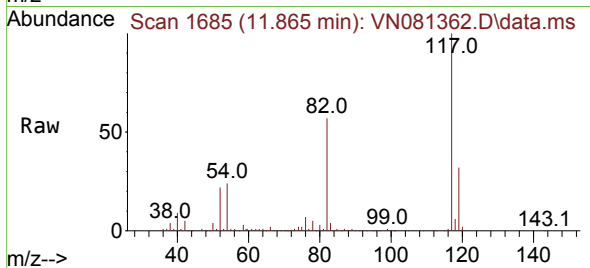




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VN081362.D
Acq: 11 Mar 2024 14:40

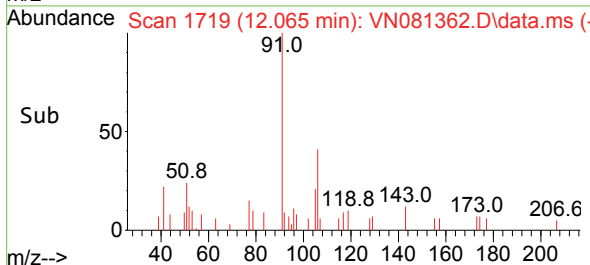
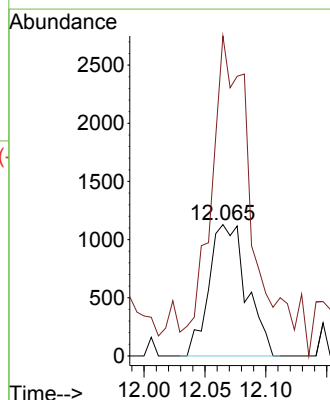
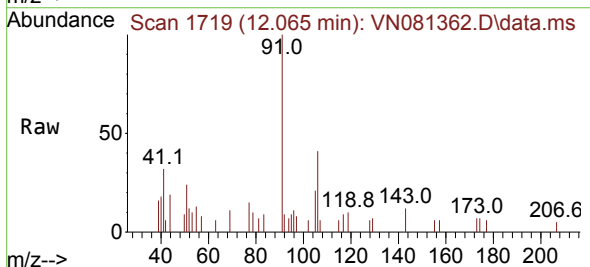
Instrument :
MSVOA_N
ClientSampleId :
381

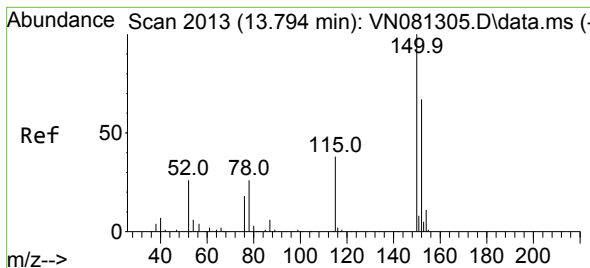
Tgt Ion:117 Resp: 551451
Ion Ratio Lower Upper
117 100
82 57.5 52.7 79.1
119 31.6 25.3 37.9



#68
m/p-Xylenes
Concen: 0.308 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN081362.D
Acq: 11 Mar 2024 14:40

Tgt Ion:106 Resp: 2428
Ion Ratio Lower Upper
106 100
91 270.8 169.0 253.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN081362.D

Acq: 11 Mar 2024 14:40

Instrument :

MSVOA_N

ClientSampleId :

381

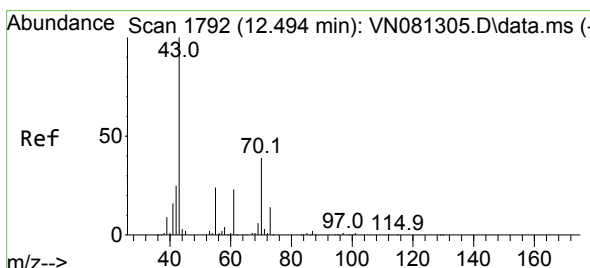
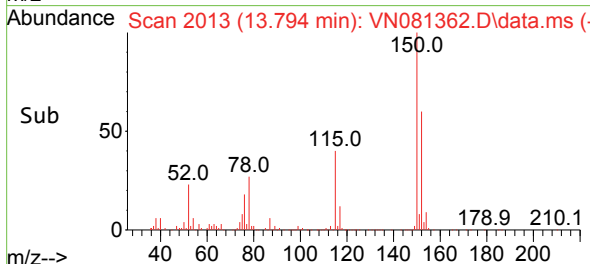
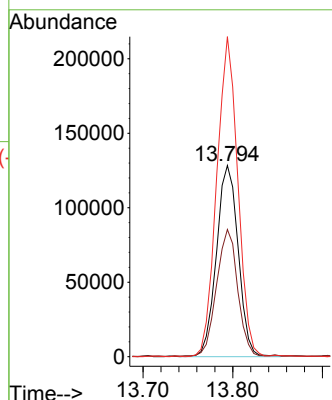
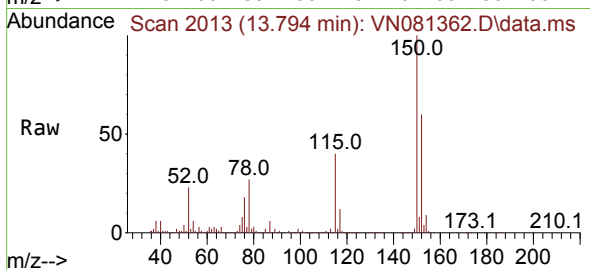
Tgt Ion:152 Resp: 215857

Ion Ratio Lower Upper

152 100

115 64.5 32.3 96.8

150 161.9 0.0 339.8



#74

N-ethyl acetate

Concen: 0.345 ug/l

RT: 12.453 min Scan# 1785

Delta R.T. -0.041 min

Lab File: VN081362.D

Acq: 11 Mar 2024 14:40

Tgt Ion: 43 Resp: 2522

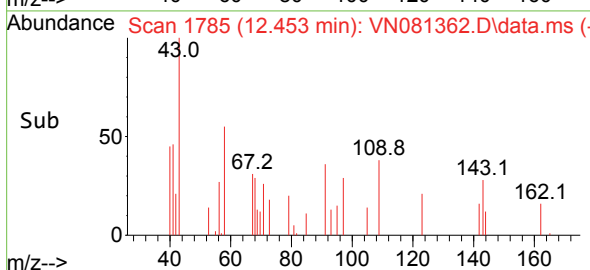
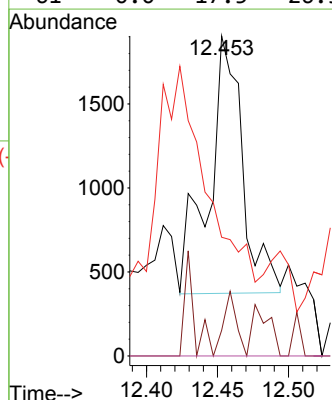
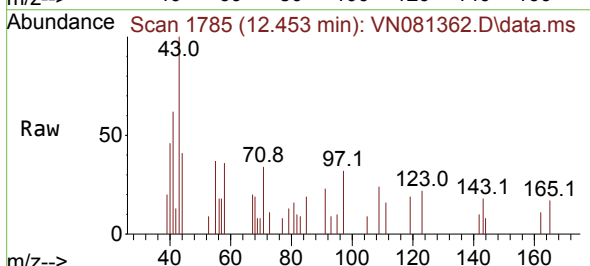
Ion Ratio Lower Upper

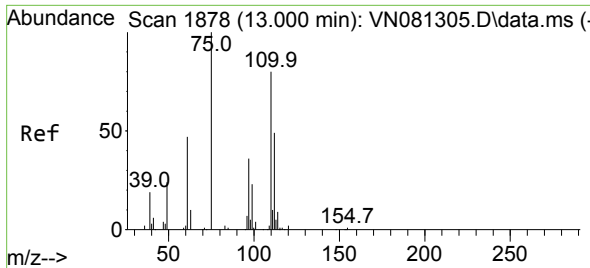
43 100

70 9.6 30.1 45.1#

55 0.0 17.0 25.4#

61 0.0 17.5 26.3#

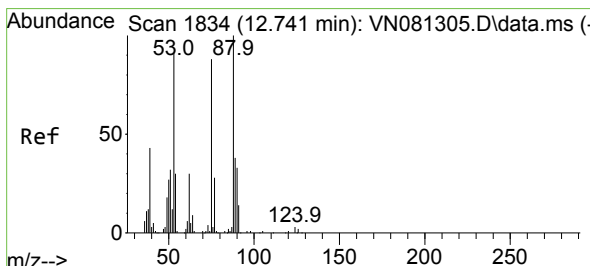
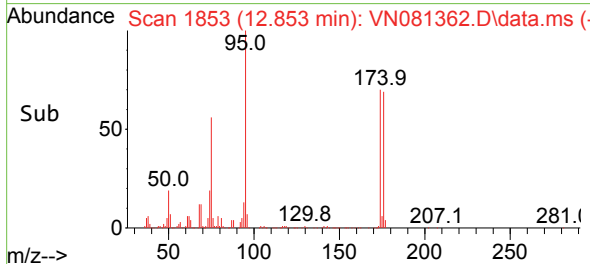
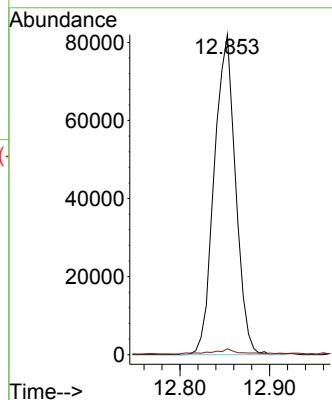
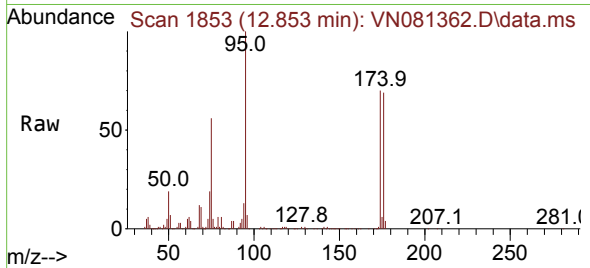




#76
1,2,3-Trichloropropane
Concen: 26.559 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN081362.D
Acq: 11 Mar 2024 14:40

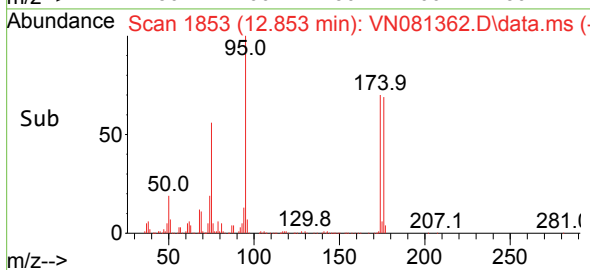
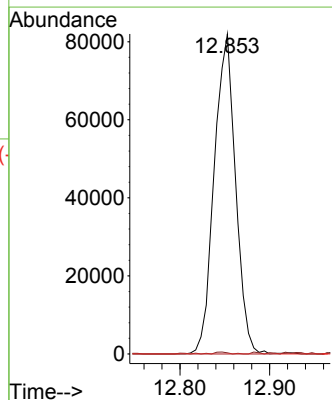
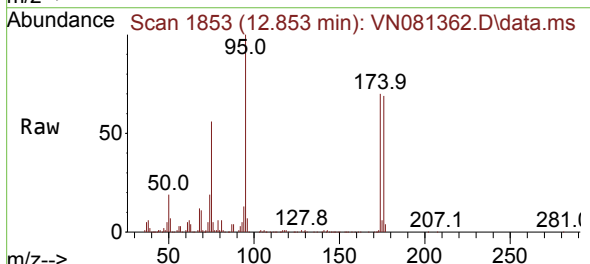
Instrument :
MSVOA_N
ClientSampleId :
381

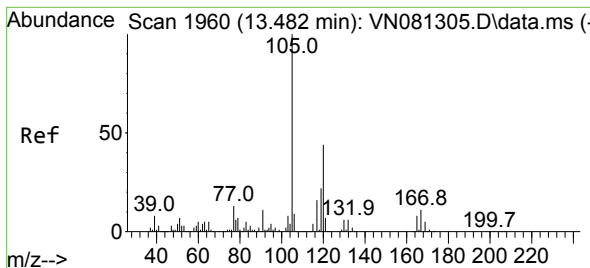
Tgt Ion: 75 Resp: 135413
Ion Ratio Lower Upper
75 100
77 2.0 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.123 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081362.D
Acq: 11 Mar 2024 14:40

Tgt Ion: 75 Resp: 135413
Ion Ratio Lower Upper
75 100
53 0.4 71.4 107.2#
89 0.0 33.4 50.0#





#84

1,2,4-Trimethylbenzene

Concen: 0.325 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN081362.D

Acq: 11 Mar 2024 14:40

Instrument :

MSVOA_N

ClientSampleId :

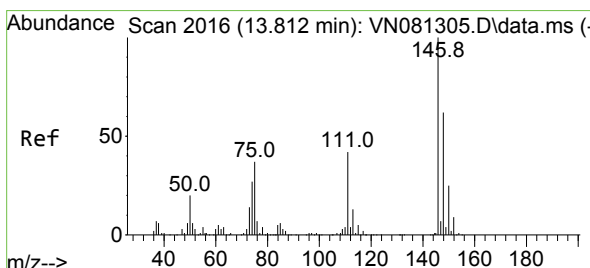
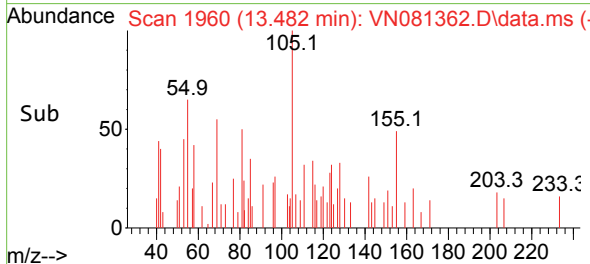
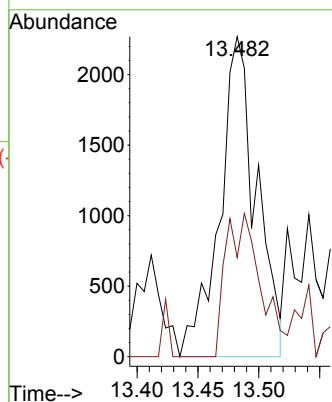
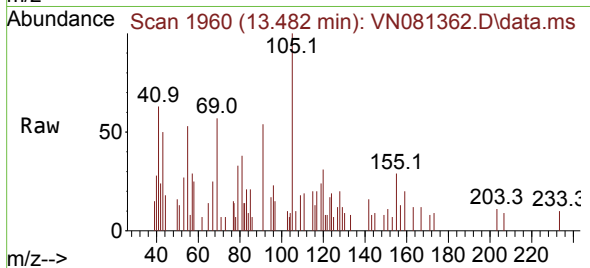
381

Tgt Ion:105 Resp: 4746

Ion Ratio Lower Upper

105 100

120 42.9 20.9 62.7



#88

1,4-Dichlorobenzene

Concen: 0.207 ug/l

RT: 13.806 min Scan# 2015

Delta R.T. -0.006 min

Lab File: VN081362.D

Acq: 11 Mar 2024 14:40

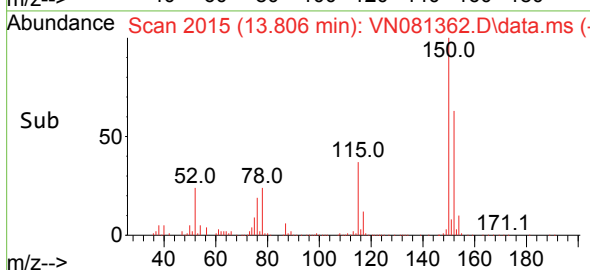
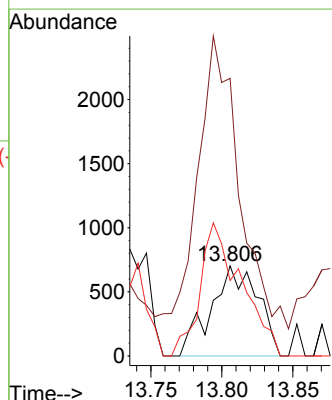
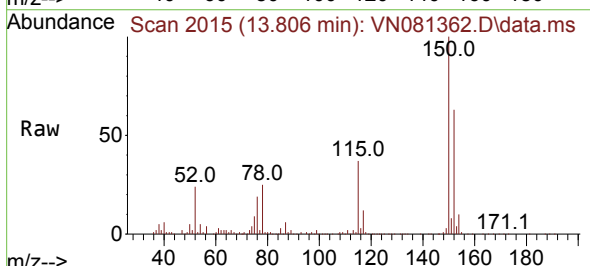
Tgt Ion:146 Resp: 1611

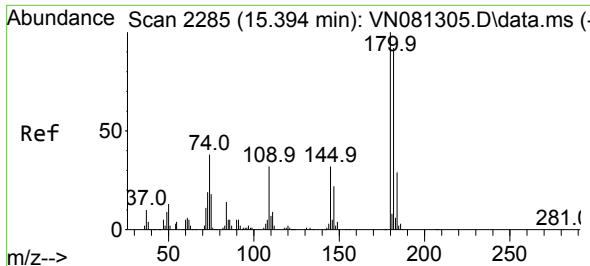
Ion Ratio Lower Upper

146 100

111 324.1 22.6 67.7#

148 130.0 31.9 95.5#

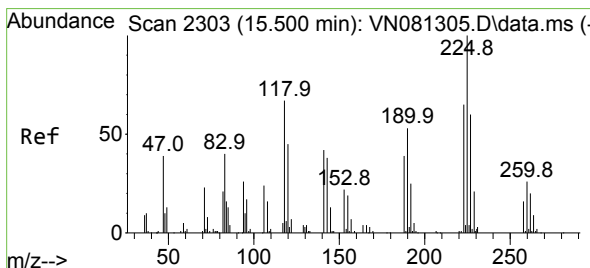
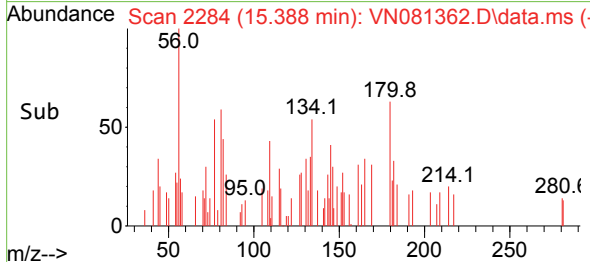
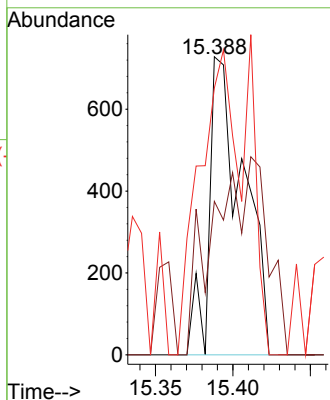
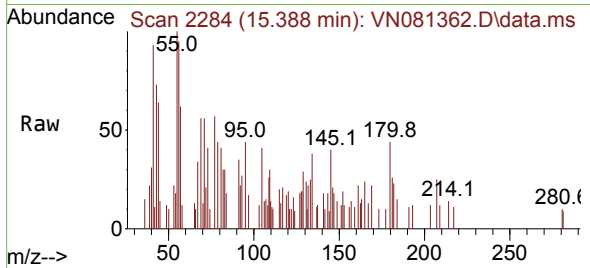




#93
1,2,4-Trichlorobenzene
Concen: 0.279 ug/l
RT: 15.388 min Scan# 2118
Delta R.T. -0.006 min
Lab File: VN081362.D
Acq: 11 Mar 2024 14:40

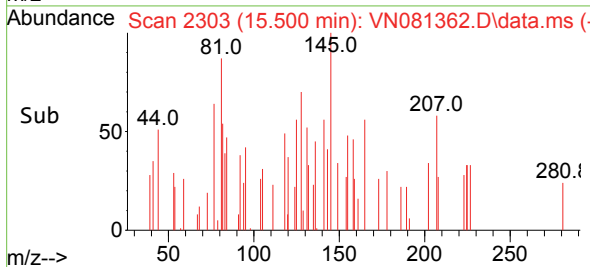
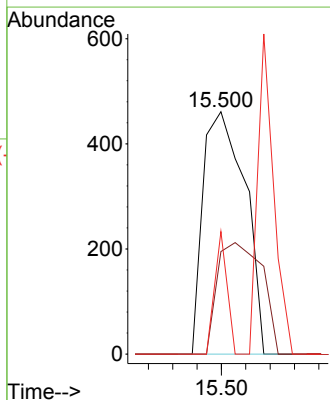
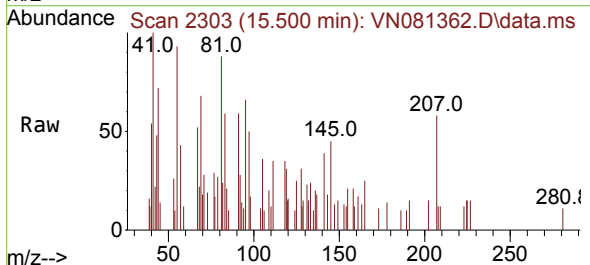
Instrument :
MSVOA_N
ClientSampleId :
381

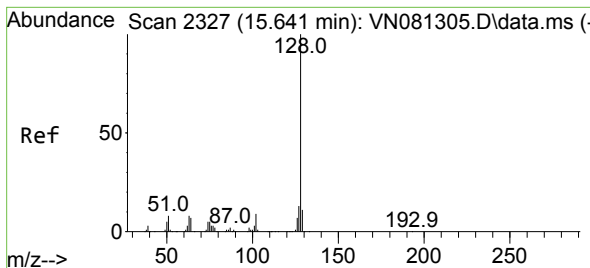
Tgt Ion:180 Resp: 1118
Ion Ratio Lower Upper
180 100
182 0.0 46.6 139.7#
145 0.0 16.8 50.3#



#94
Hexachlorobutadiene
Concen: 0.333 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN081362.D
Acq: 11 Mar 2024 14:40

Tgt Ion:225 Resp: 550
Ion Ratio Lower Upper
225 100
223 49.1 33.3 99.8
227 65.6 33.1 99.2





#95

Naphthalene

Concen: 0.623 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN081362.D

Acq: 11 Mar 2024 14:40

Instrument :

MSVOA_N

ClientSampleId :

381

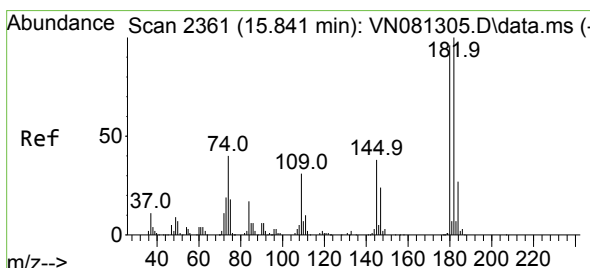
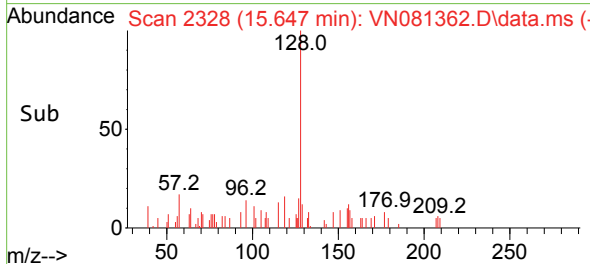
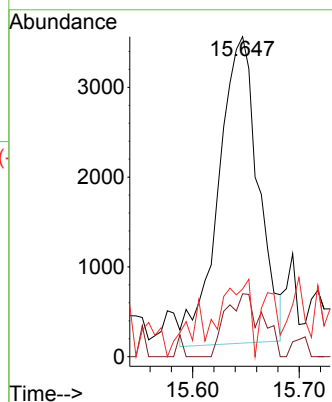
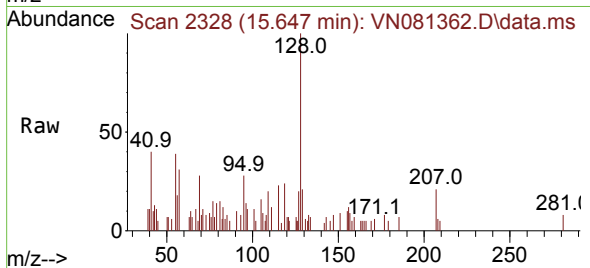
Tgt Ion:128 Resp: 8871

Ion Ratio Lower Upper

128 100

127 18.6 10.0 15.0#

129 14.9 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.333 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.006 min

Lab File: VN081362.D

Acq: 11 Mar 2024 14:40

Tgt Ion:180 Resp: 1352

Ion Ratio Lower Upper

180 100

182 76.7 46.5 139.3

145 104.4 17.8 53.4#

