

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091823\
 Data File : VN079286.D
 Acq On : 18 Sep 2023 12:57
 Operator : JC\MD
 Sample : VN0918MBL01
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 01:22:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

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

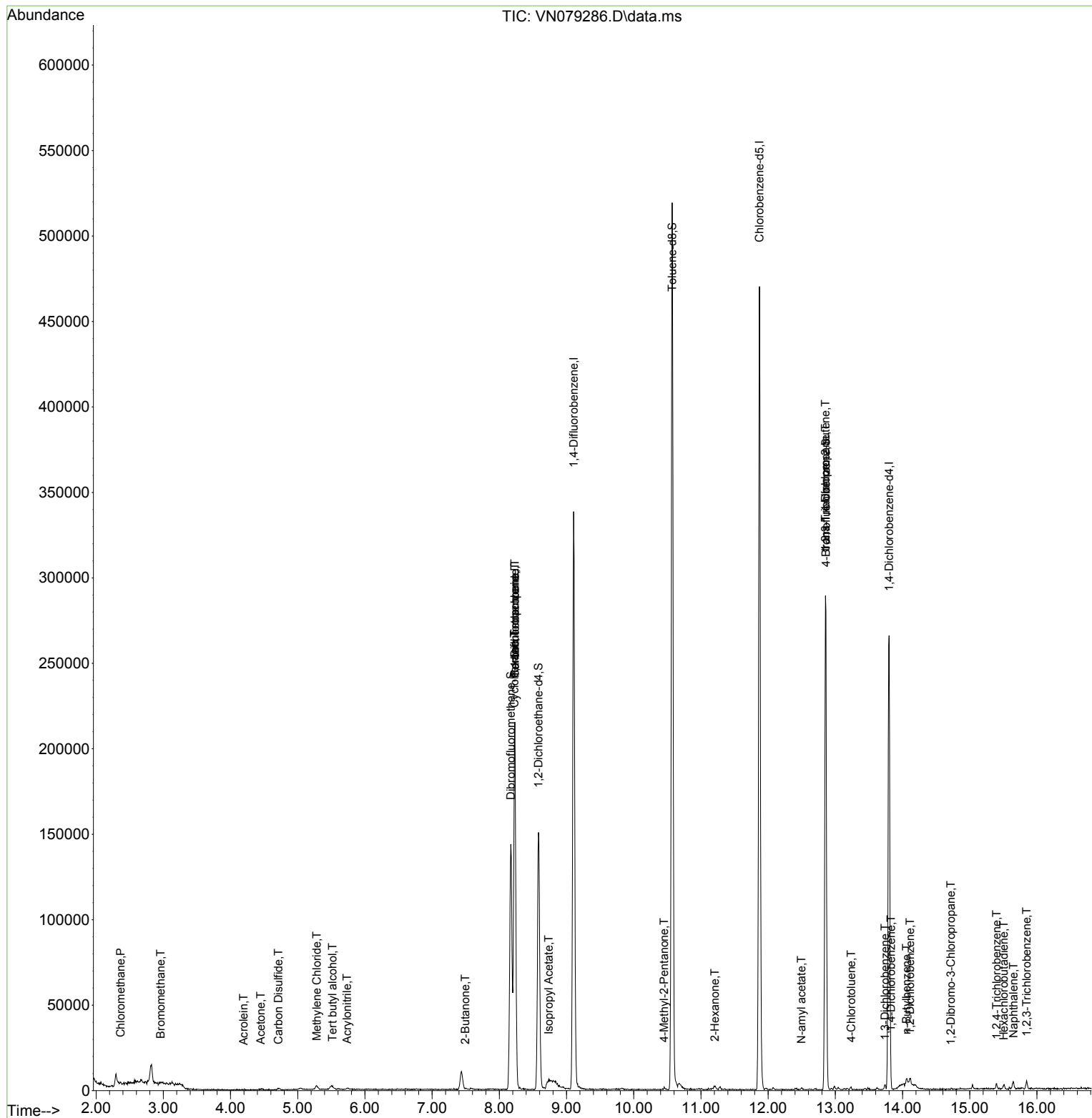
Internal Standards						
1) Pentafluorobenzene	8.230	168	146434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	276687	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	261283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	70520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	126551	64.021	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 128.040%#			
35) Dibromofluoromethane	8.171	113	103354	56.156	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.320%			
50) Toluene-d8	10.571	98	350357	51.844	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.680%			
62) 4-Bromofluorobenzene	12.859	95	101271	46.979	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.960%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	559	0.294	ug/l #	42
5) Bromomethane	2.959	94	323	0.271	ug/l #	76
11) Tert butyl alcohol	5.518	59	767	2.102	ug/l #	72
13) Acrolein	4.195	56	125	0.359	ug/l	89
15) Acrylonitrile	5.736	53	787	0.832	ug/l #	78
16) Acetone	4.448	43	1305	1.554	ug/l #	40
17) Carbon Disulfide	4.712	76	1573	0.322	ug/l #	75
20) Methylene Chloride	5.283	84	1577	0.772	ug/l #	76
25) 2-Butanone	7.494	43	467	0.383	ug/l #	37
31) Cyclohexane	8.224	56	3712	1.286	ug/l #	8
36) 1,1-Dichloropropene	8.230	75	13179	4.646	ug/l #	48
38) Carbon Tetrachloride	8.230	117	16717	5.694	ug/l #	14
43) Isopropyl Acetate	8.736	43	5193	1.125	ug/l #	49
51) 4-Methyl-2-Pentanone	10.453	43	1250	0.466	ug/l #	60
59) 2-Hexanone	11.206	43	1892	0.975	ug/l	76
74) N-amyl acetate	12.494	43	895	0.368	ug/l #	53
76) 1,2,3-Trichloropropane	12.853	75	56003	29.466	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	56003	81.008	ug/l #	15
82) 4-Chlorotoluene	13.235	91	1229	0.277	ug/l	93
87) 1,3-Dichlorobenzene	13.741	146	901	0.338	ug/l #	77
88) 1,4-Dichlorobenzene	13.829	146	1294	0.481	ug/l #	41
89) n-Butylbenzene	14.059	91	1769	0.462	ug/l	95
91) 1,2-Dichlorobenzene	14.112	146	1126	0.428	ug/l	86
92) 1,2-Dibromo-3-Chloropr...	14.717	75	85	0.234	ug/l #	34
93) 1,2,4-Trichlorobenzene	15.400	180	1307	1.383	ug/l	78
94) Hexachlorobutadiene	15.506	225	1016	1.366	ug/l	80
95) Naphthalene	15.653	128	4855	1.729	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.847	180	1724	1.546	ug/l	91

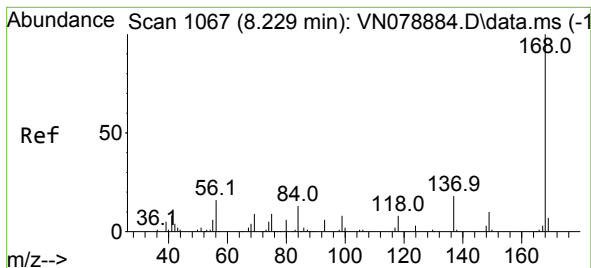
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
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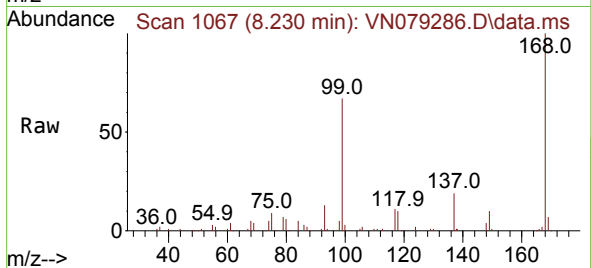
Quant Time: Sep 19 01:22:50 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 05:05:24 2023
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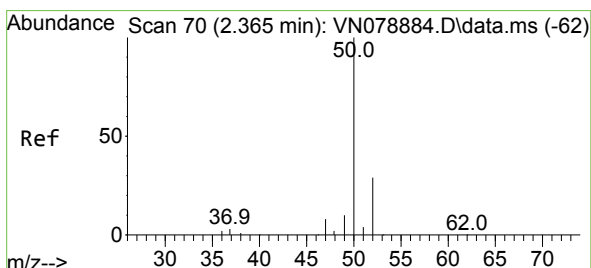
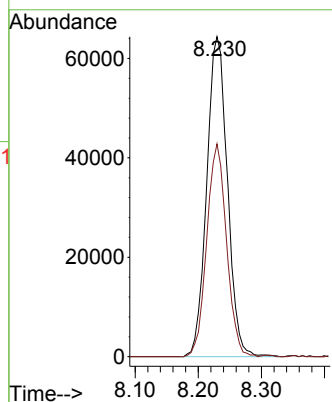
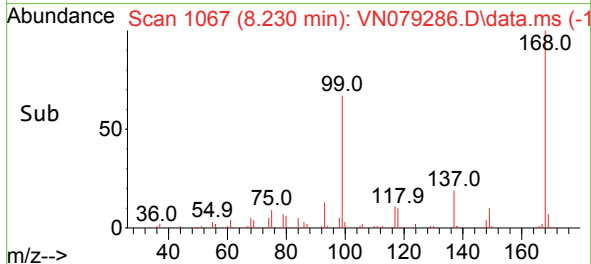


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

Instrument :
MSVOA_N
ClientSampleId :

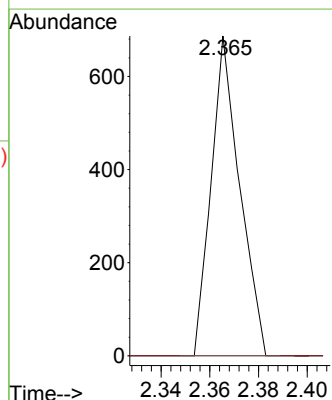
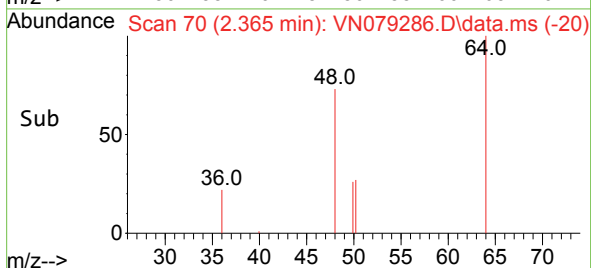
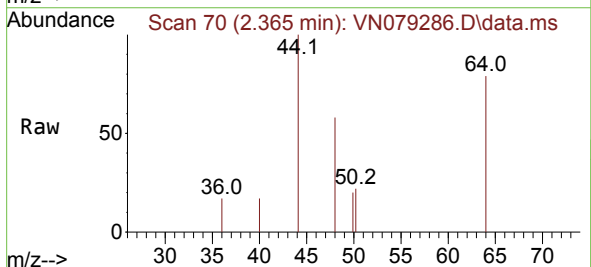


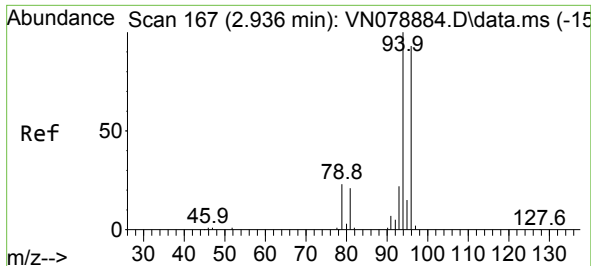
Tgt Ion:168 Resp: 146434
Ion Ratio Lower Upper
168 100
99 66.5 53.0 79.6



#3
Chloromethane
Concen: 0.294 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

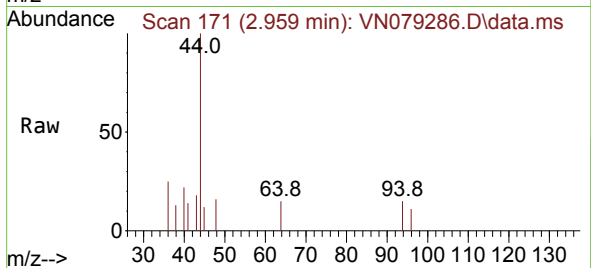
Tgt Ion: 50 Resp: 559
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#



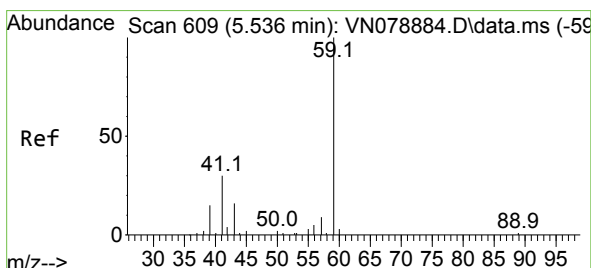
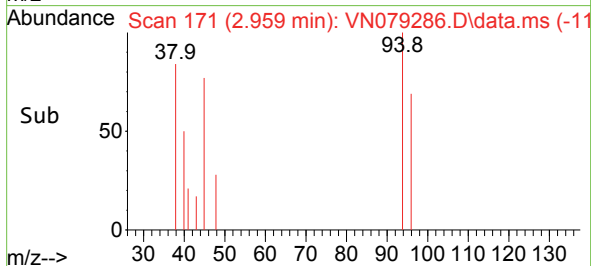
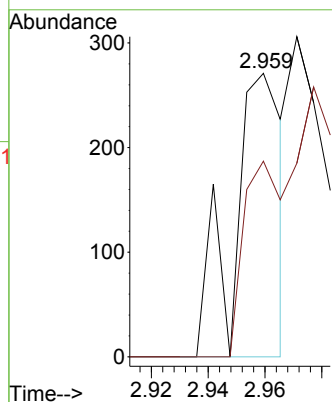


#5
Bromomethane
Concen: 0.271 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

Instrument :
MSVOA_N
ClientSampleId :

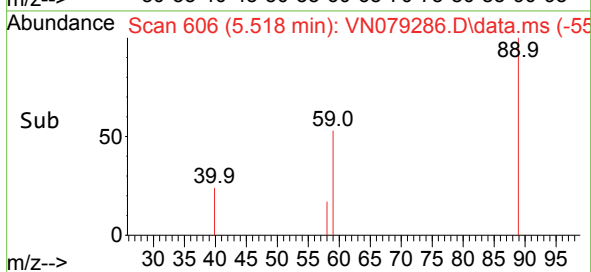
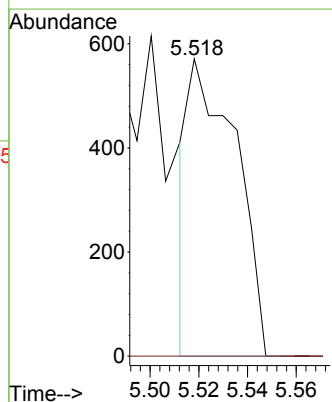
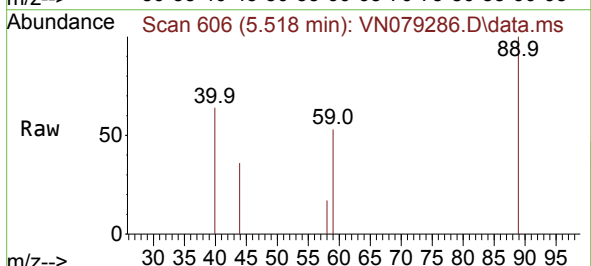


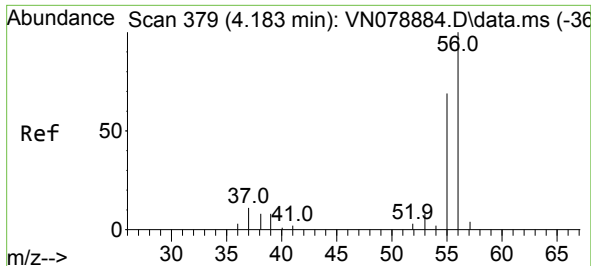
Tgt Ion: 94 Resp: 323
Ion Ratio Lower Upper
94 100
96 69.0 73.1 109.7#



#11
Tert butyl alcohol
Concen: 2.102 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.024 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

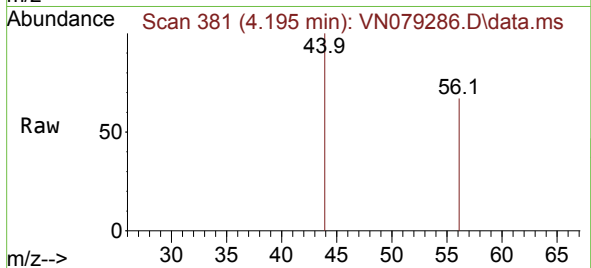
Tgt Ion: 59 Resp: 767
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



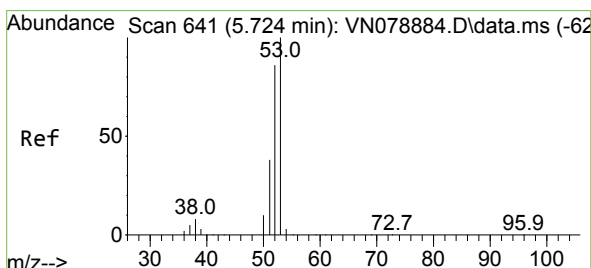
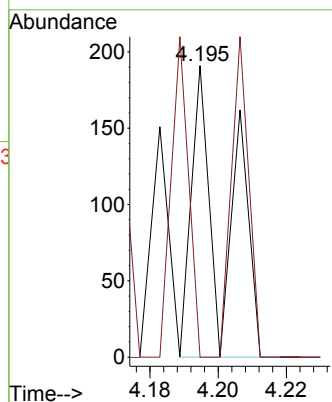
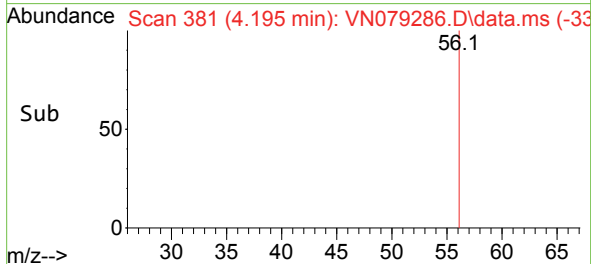


#13
Acrolein
Concen: 0.359 ug/l
RT: 4.195 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

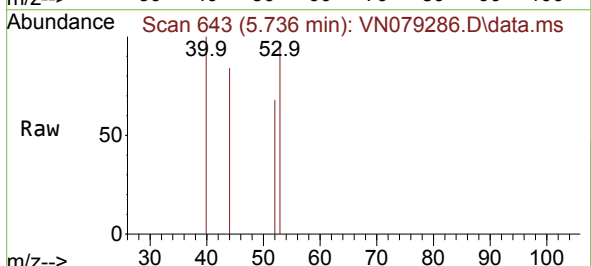
Instrument :
MSVOA_N
ClientSampleId :



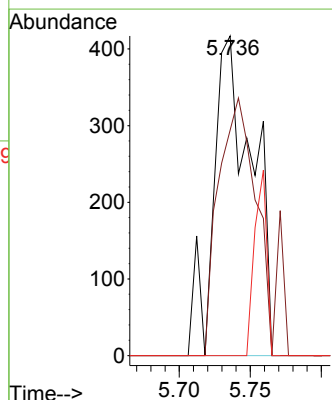
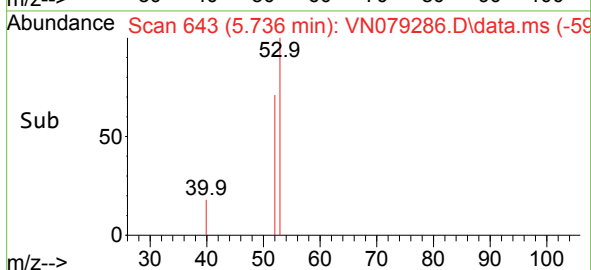
Tgt Ion: 56 Resp: 125
Ion Ratio Lower Upper
56 100
55 59.2 54.5 81.7

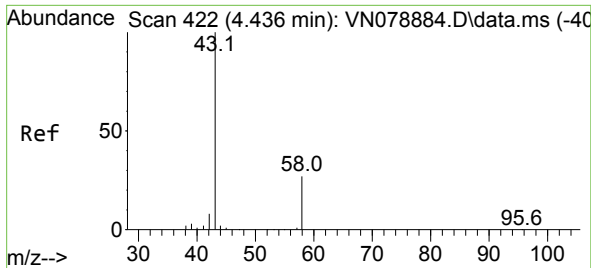


#15
Acrylonitrile
Concen: 0.832 ug/l
RT: 5.736 min Scan# 643
Delta R.T. 0.006 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57



Tgt Ion: 53 Resp: 787
Ion Ratio Lower Upper
53 100
52 86.0 65.3 97.9
51 0.0 28.9 43.3#





#16

Acetone

Concen: 1.554 ug/l

RT: 4.448 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN079286.D

Acq: 18 Sep 2023 12:57

Instrument :

MSVOA_N

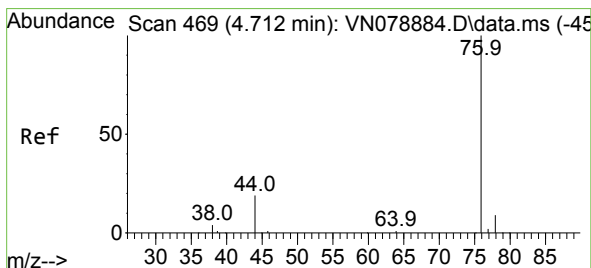
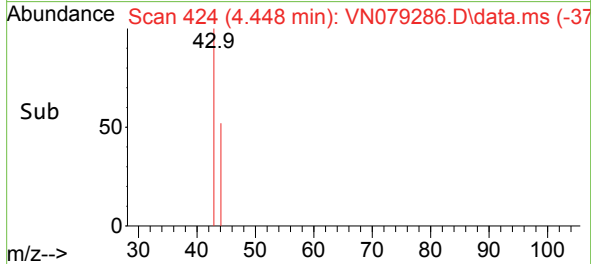
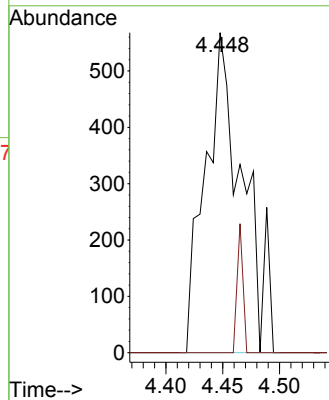
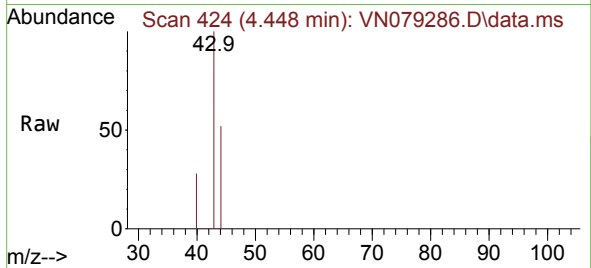
ClientSampleId :

Tgt Ion: 43 Resp: 1305

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#



#17

Carbon Disulfide

Concen: 0.322 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.012 min

Lab File: VN079286.D

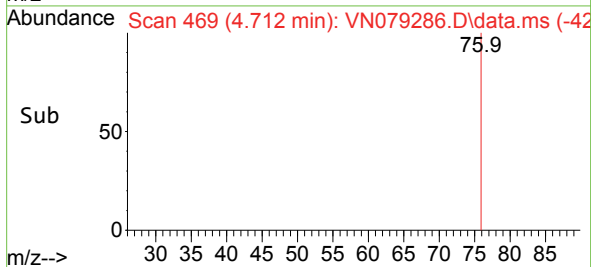
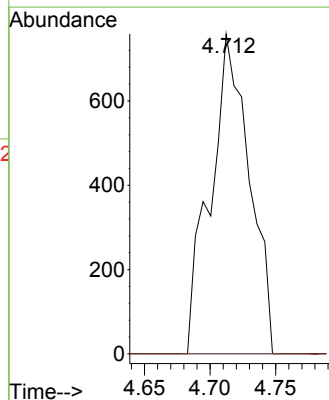
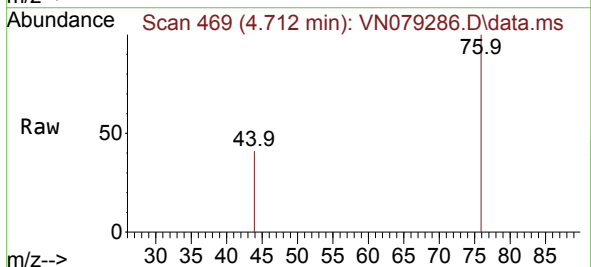
Acq: 18 Sep 2023 12:57

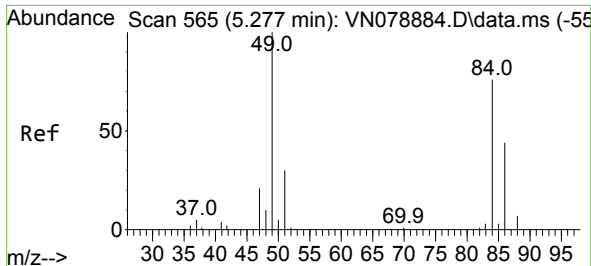
Tgt Ion: 76 Resp: 1573

Ion Ratio Lower Upper

76 100

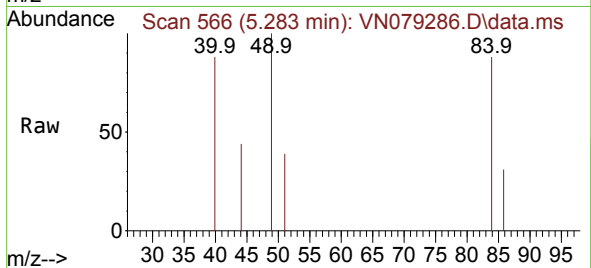
78 0.0 7.4 11.0#





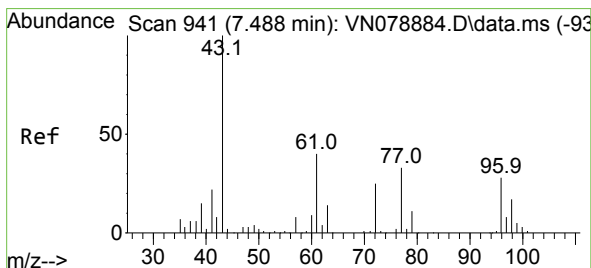
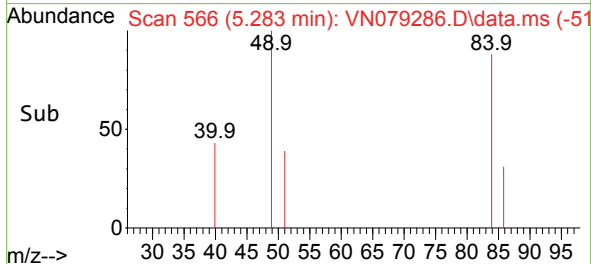
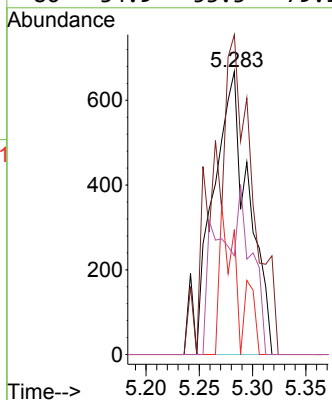
#20
Methylene Chloride
Concen: 0.772 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1577

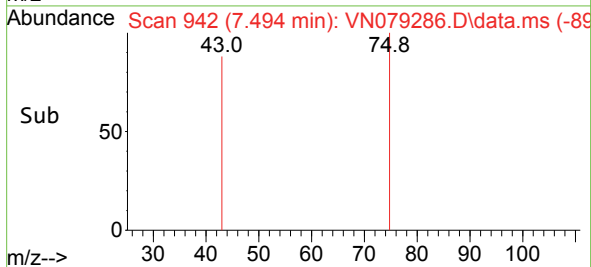
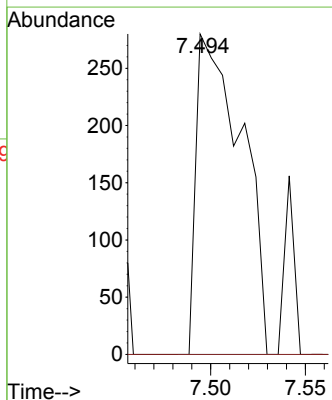
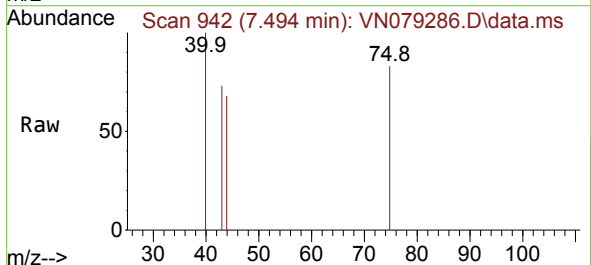
Ion	Ratio	Lower	Upper
84	100		
49	113.0	79.7	119.5
51	44.2	25.2	37.8#
86	34.9	53.3	79.9#

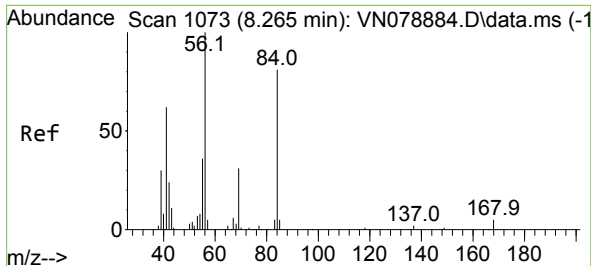


#25
2-Butanone
Concen: 0.383 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

Tgt Ion: 43 Resp: 467

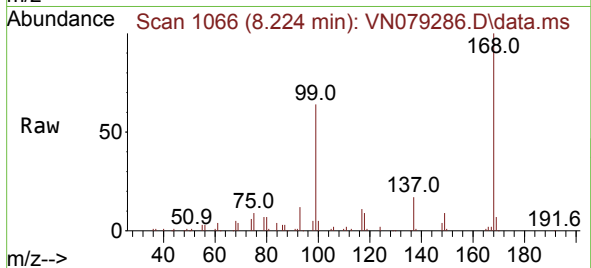
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.2	45.2#



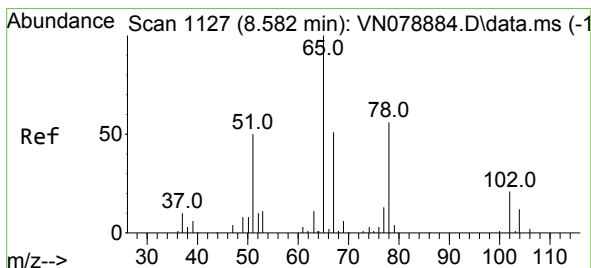
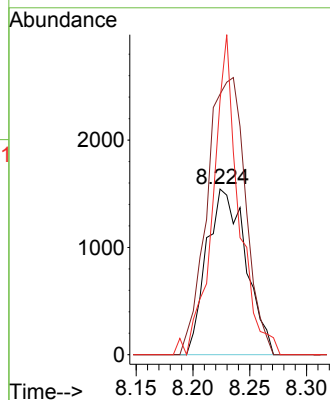
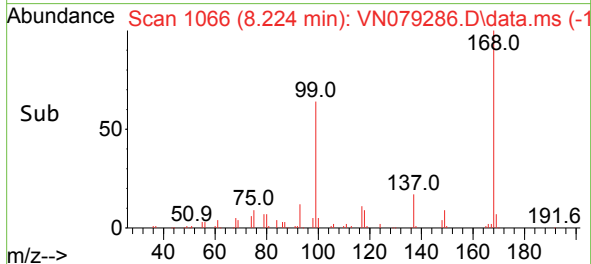


#31
Cyclohexane
Concen: 1.286 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

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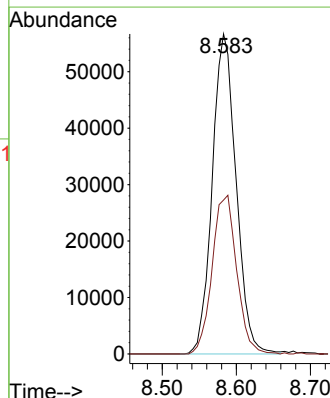
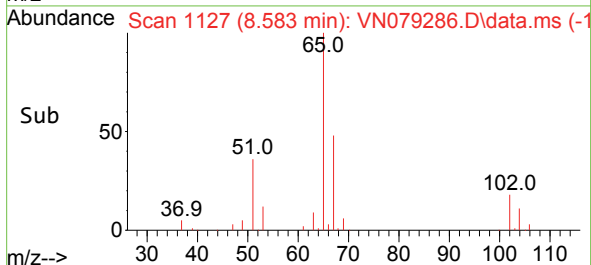
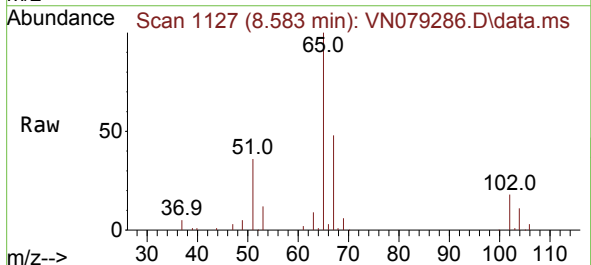


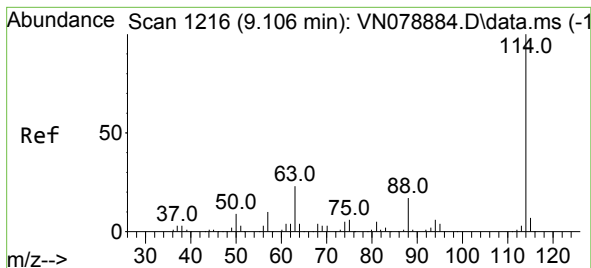
Tgt Ion: 56 Resp: 3712
Ion Ratio Lower Upper
56 100
69 157.4 26.8 40.2#
84 153.5 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 64.021 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

Tgt Ion: 65 Resp: 126551
Ion Ratio Lower Upper
65 100
67 51.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.006 min

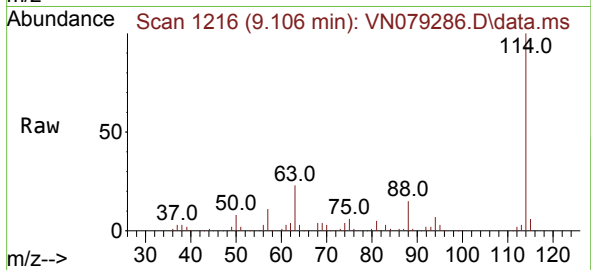
Lab File: VN079286.D

Acq: 18 Sep 2023 12:57

Instrument :

MSVOA_N

ClientSampleId :



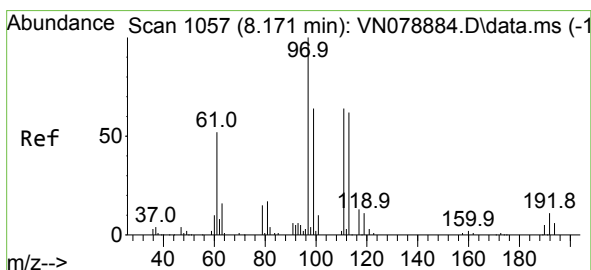
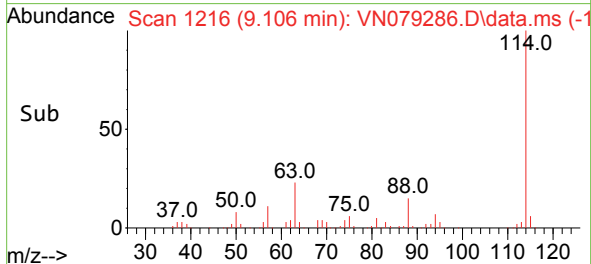
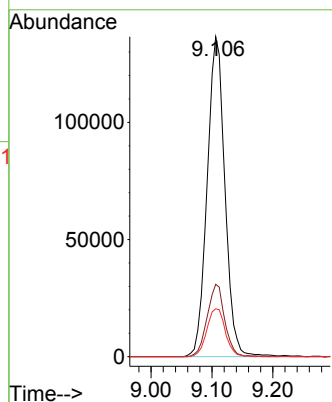
Tgt Ion:114 Resp: 276687

Ion Ratio Lower Upper

114 100

63 22.6 0.0 36.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 56.156 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079286.D

Acq: 18 Sep 2023 12:57

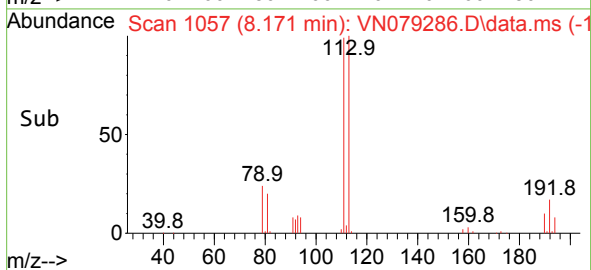
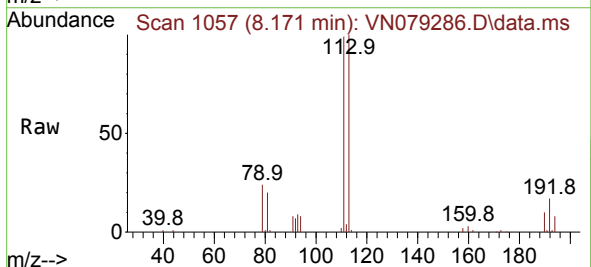
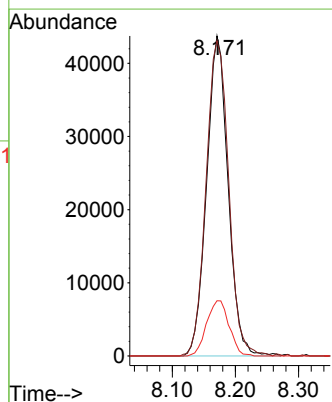
Tgt Ion:113 Resp: 103354

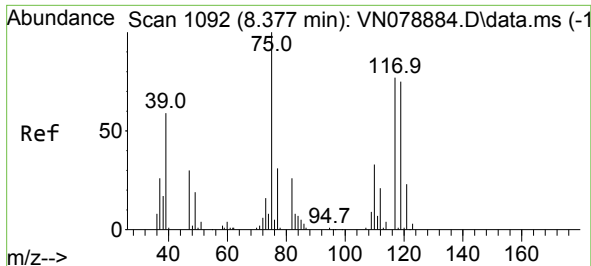
Ion Ratio Lower Upper

113 100

111 103.6 82.6 123.8

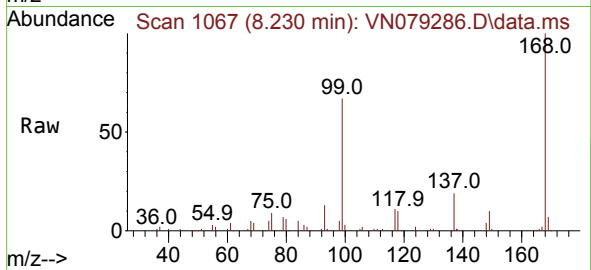
192 18.0 12.7 19.1



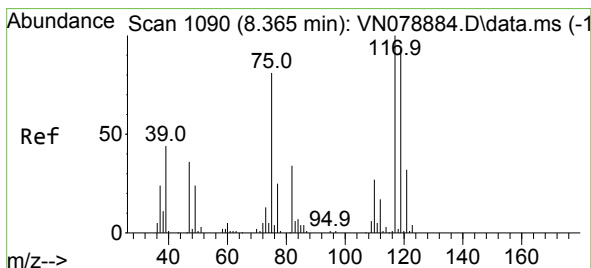
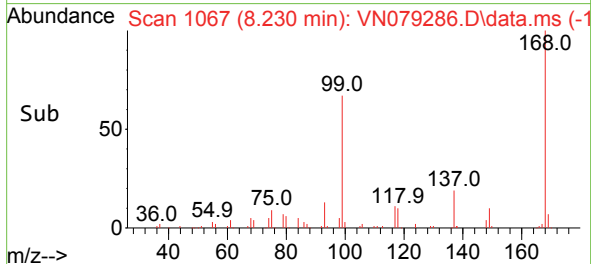
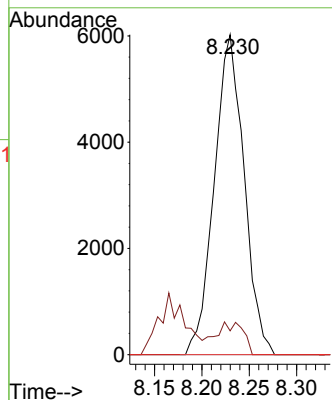


#36
1,1-Dichloropropene
Concen: 4.646 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

Instrument :
MSVOA_N
ClientSampleId :

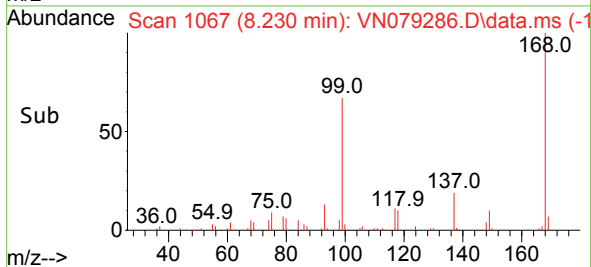
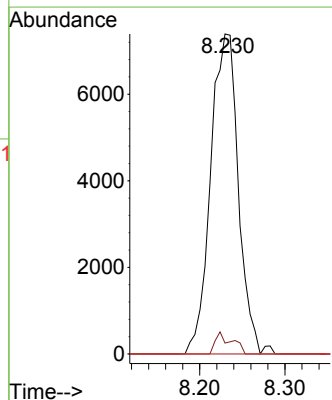
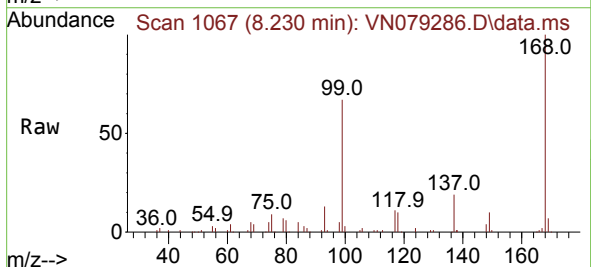


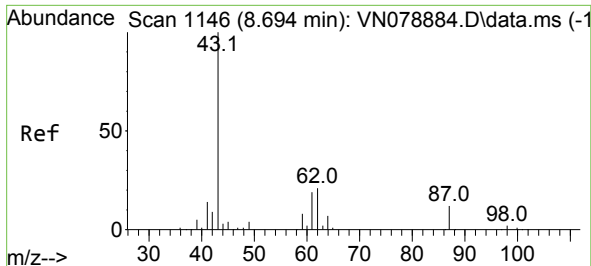
Tgt Ion: 75 Resp: 13179
Ion Ratio Lower Upper
75 100
110 8.7 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.694 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

Tgt Ion: 117 Resp: 16717
Ion Ratio Lower Upper
117 100
119 3.4 77.3 115.9#
121 0.0 23.3 34.9#

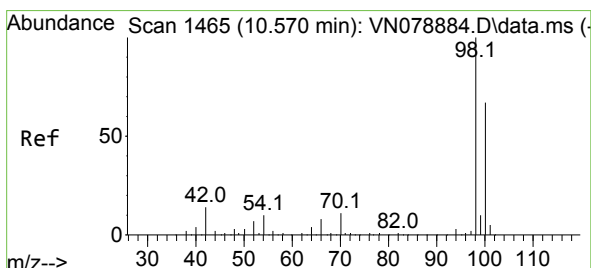
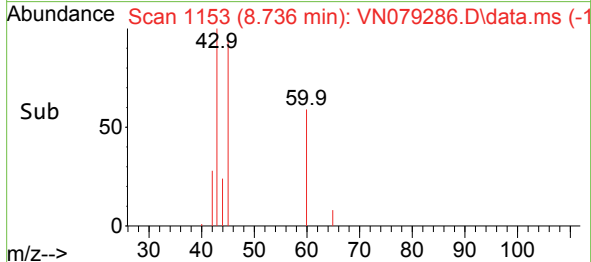
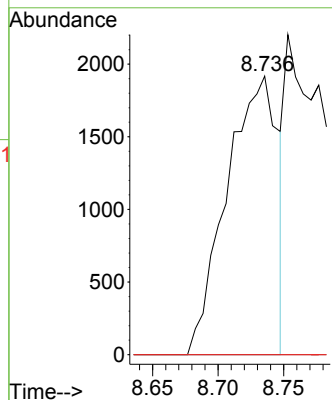
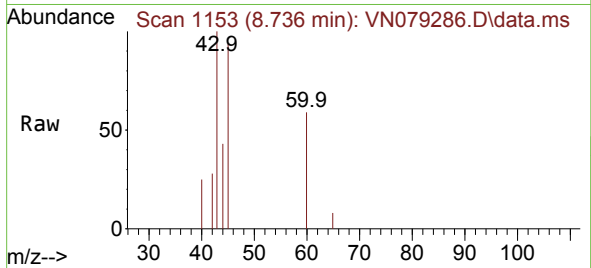




#43
Isopropyl Acetate
Concen: 1.125 ug/l
RT: 8.736 min Scan# 1146
Delta R.T. 0.042 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

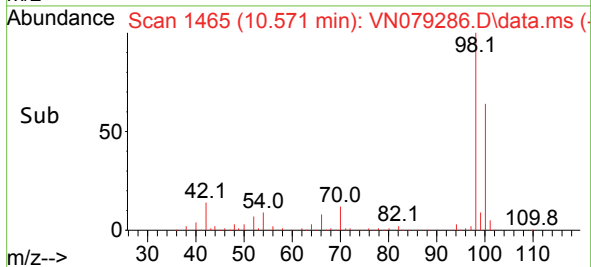
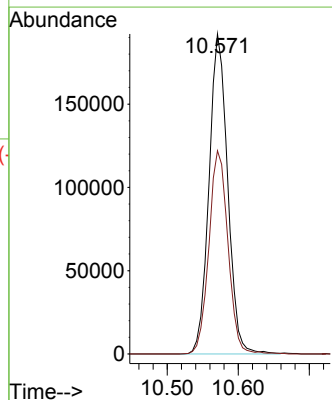
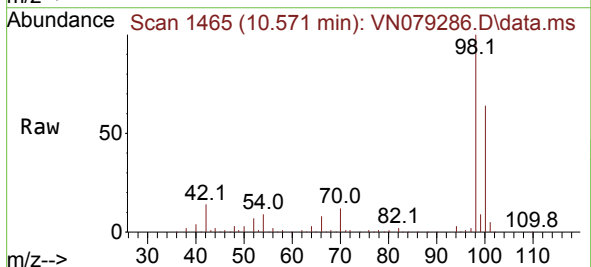
Instrument :
MSVOA_N
ClientSampleId :

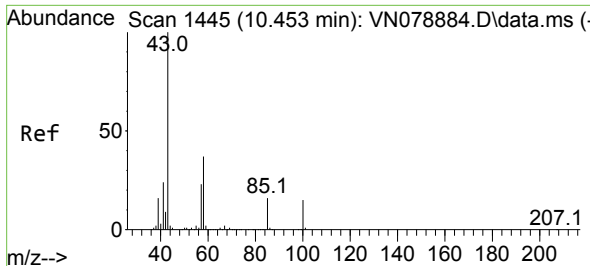
Tgt Ion: 43 Resp: 5193
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 51.844 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

Tgt Ion: 98 Resp: 350357
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0

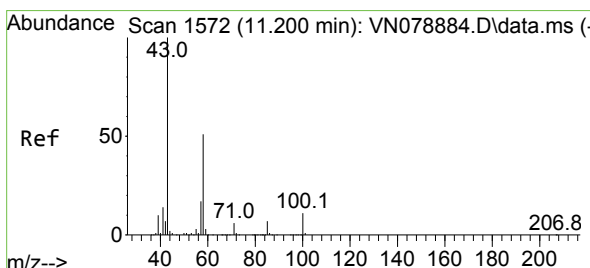
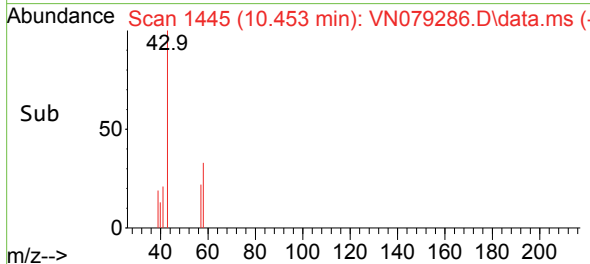
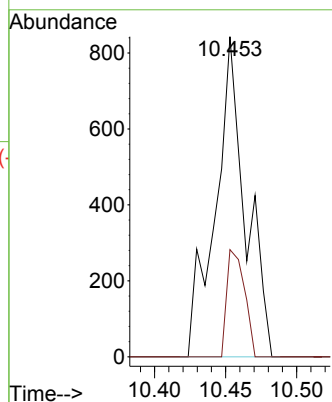
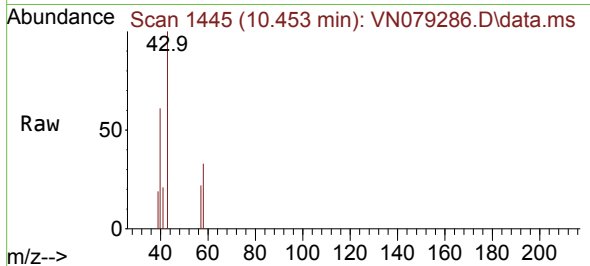




#51
4-Methyl-2-Pentanone
Concen: 0.466 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

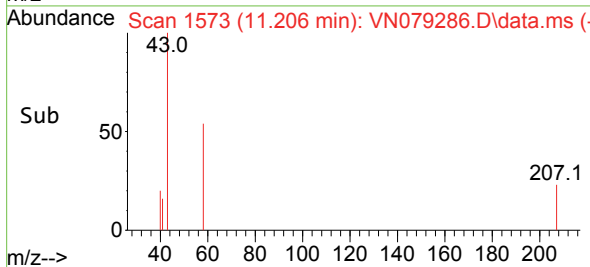
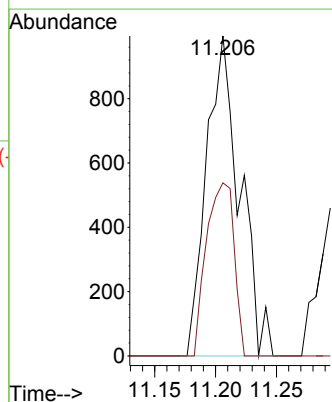
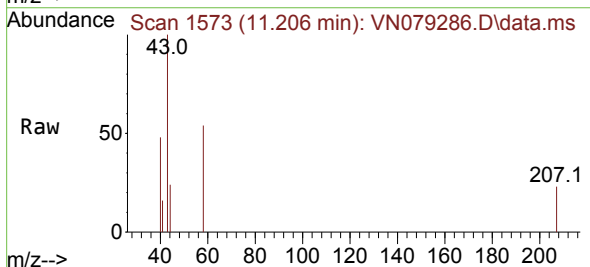
Instrument :
MSVOA_N
ClientSampleId :

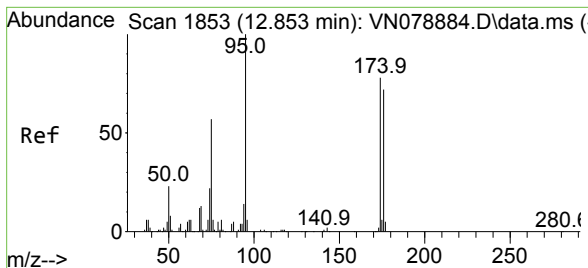
Tgt Ion: 43 Resp: 1250
Ion Ratio Lower Upper
43 100
58 19.4 36.6 54.8#



#59
2-Hexanone
Concen: 0.975 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

Tgt Ion: 43 Resp: 1892
Ion Ratio Lower Upper
43 100
58 44.9 31.7 95.1

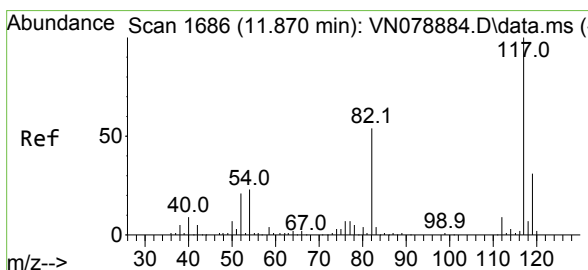
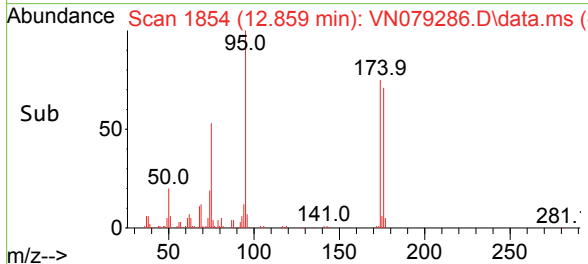
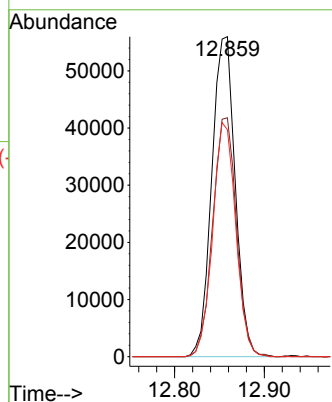
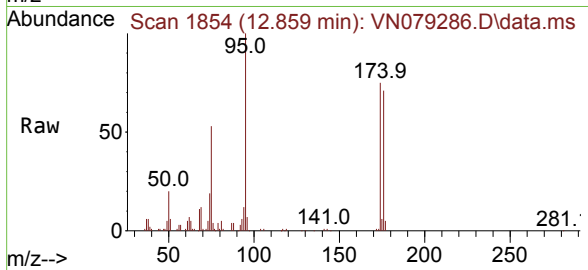




#62
4-Bromofluorobenzene
Concen: 46.979 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

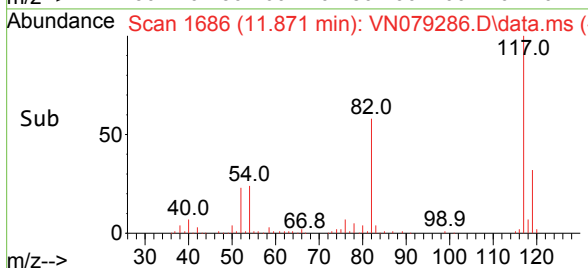
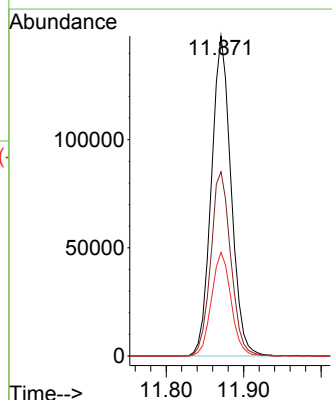
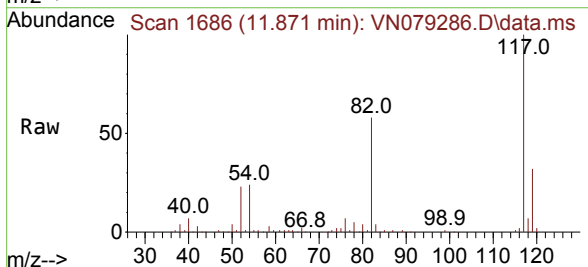
Instrument :
MSVOA_N
ClientSampleId :

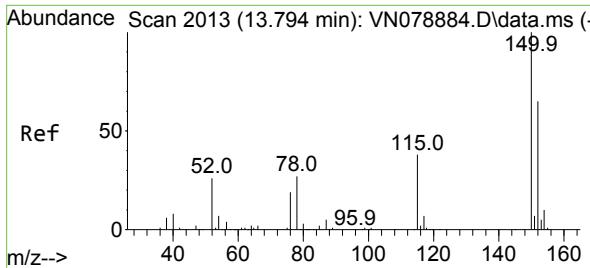
Tgt Ion: 95 Resp: 101271
Ion Ratio Lower Upper
95 100
174 75.6 0.0 143.8
176 72.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

Tgt Ion: 117 Resp: 261283
Ion Ratio Lower Upper
117 100
82 57.5 44.0 66.0
119 32.3 25.6 38.4

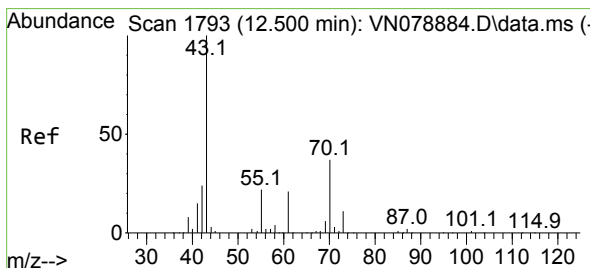
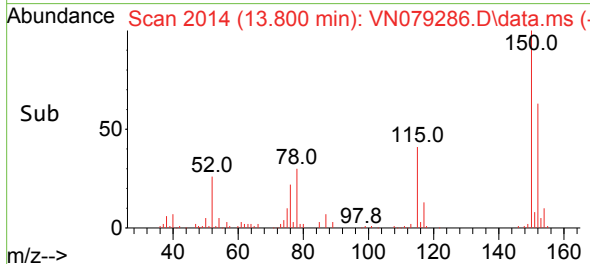
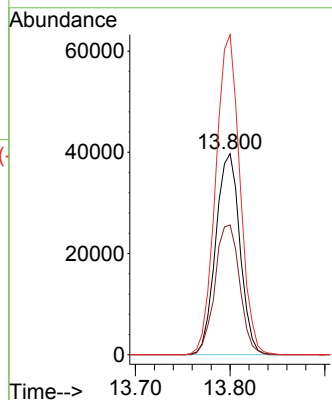
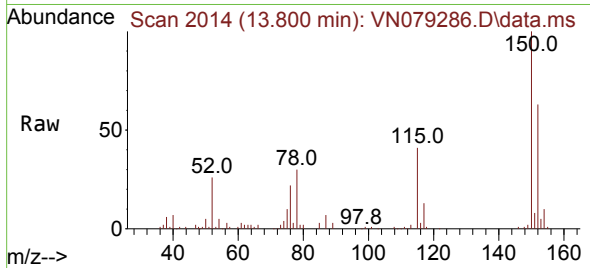




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

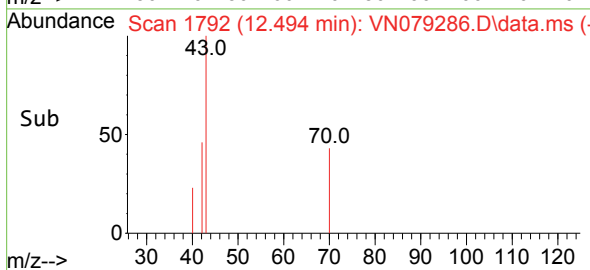
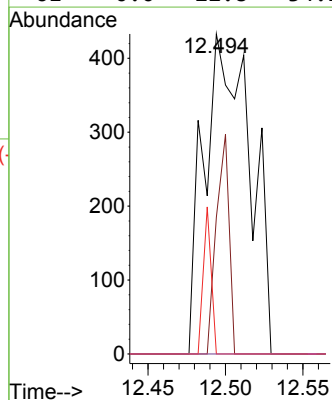
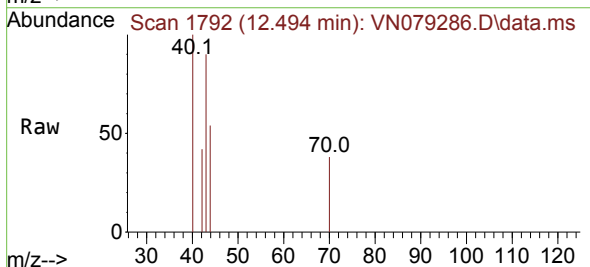
Instrument :
MSVOA_N
ClientSampleId :

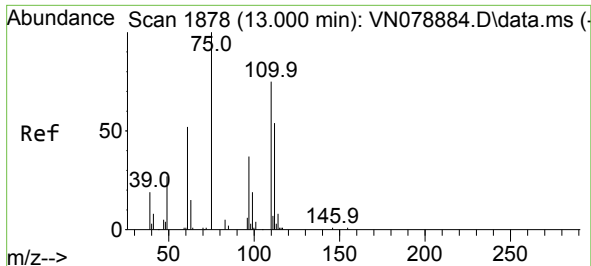
Tgt Ion:152 Resp: 70520
Ion Ratio Lower Upper
152 100
115 66.0 32.3 96.8
150 159.2 0.0 355.8



#74
N-ethyl acetate
Concen: 0.368 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.006 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

Tgt Ion: 43 Resp: 895
Ion Ratio Lower Upper
43 100
70 19.0 43.4 65.2#
55 7.8 21.4 32.0#
61 0.0 22.8 34.2#

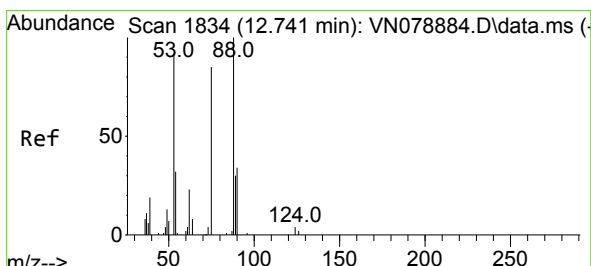
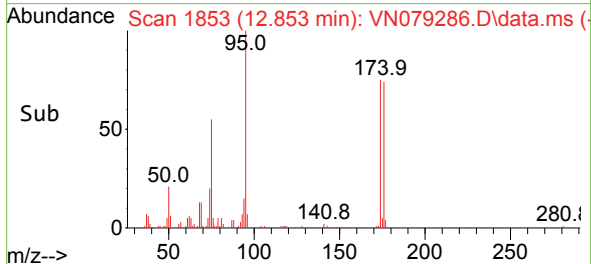
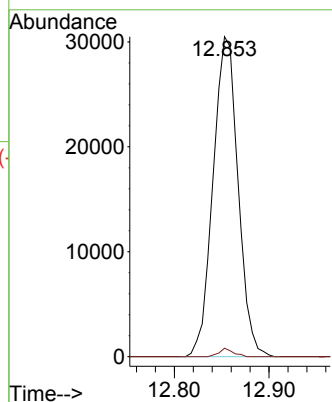
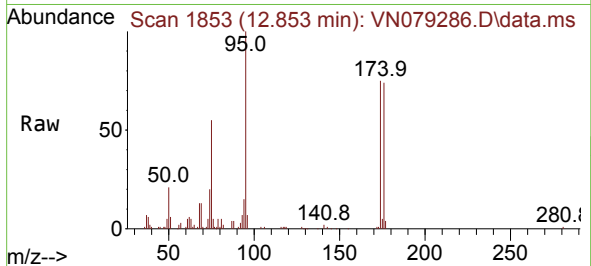




#76
1,2,3-Trichloropropane
Concen: 29.466 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

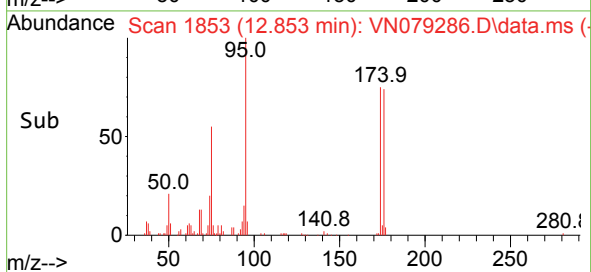
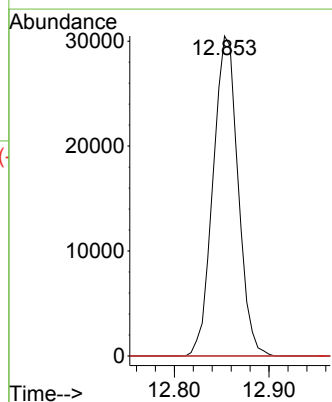
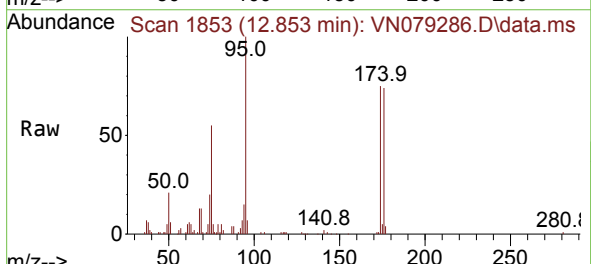
Instrument :
MSVOA_N
ClientSampleId :

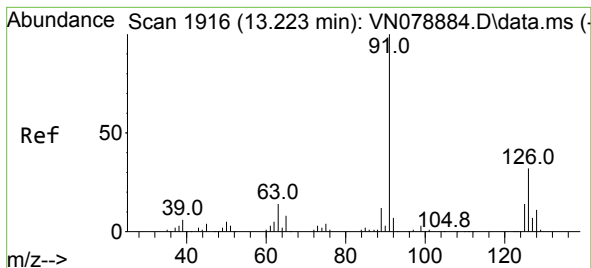
Tgt Ion: 75 Resp: 56003
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.008 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

Tgt Ion: 75 Resp: 56003
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

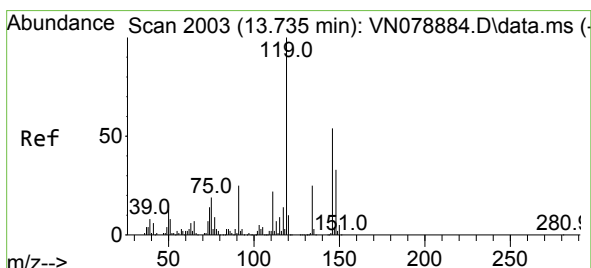
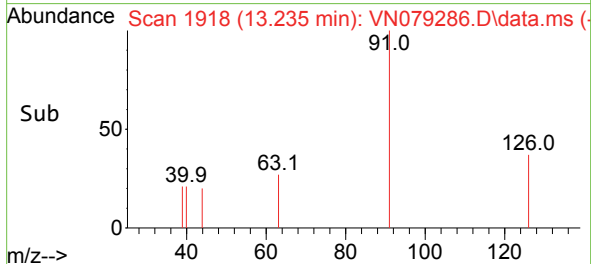
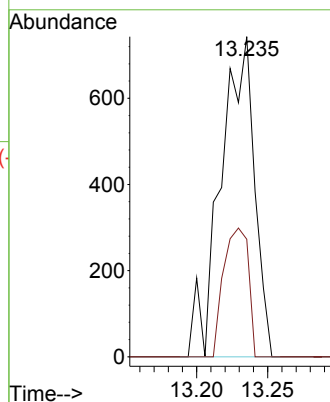
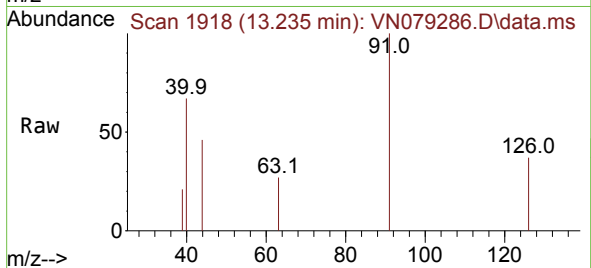




#82
4-Chlorotoluene
Concen: 0.277 ug/l
RT: 13.235 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

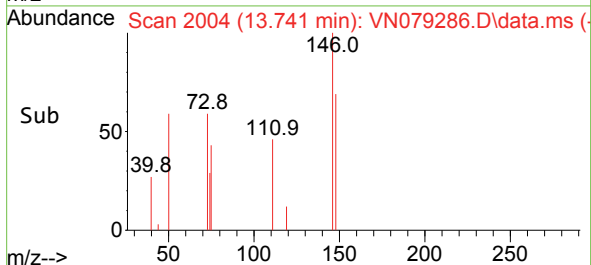
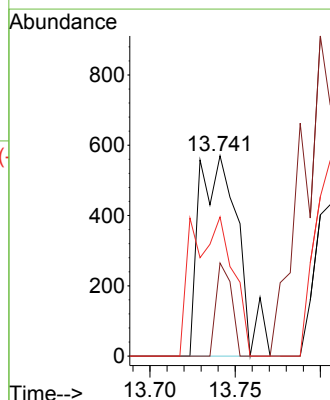
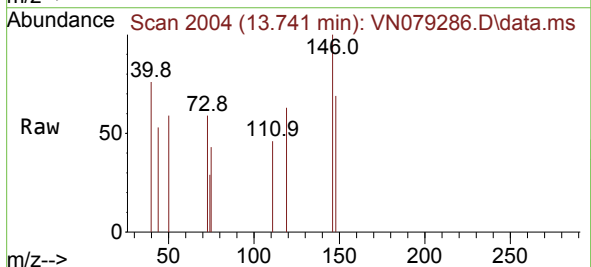
Instrument :
MSVOA_N
ClientSampleId :

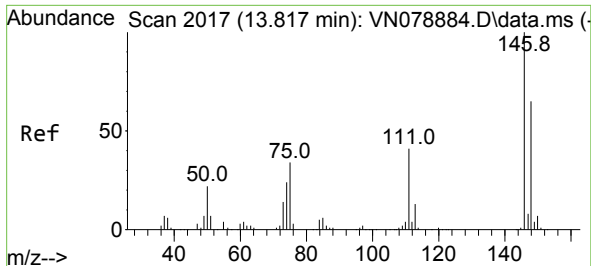
Tgt Ion: 91 Resp: 1229
Ion Ratio Lower Upper
91 100
126 29.5 16.7 50.0



#87
1,3-Dichlorobenzene
Concen: 0.338 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.000 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

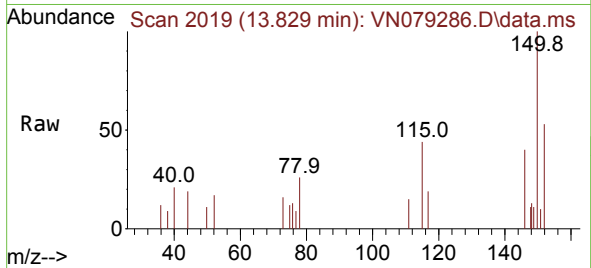
Tgt Ion: 146 Resp: 901
Ion Ratio Lower Upper
146 100
111 18.6 22.1 66.3#
148 72.6 32.0 96.0



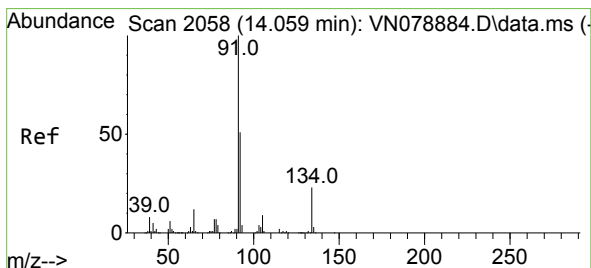
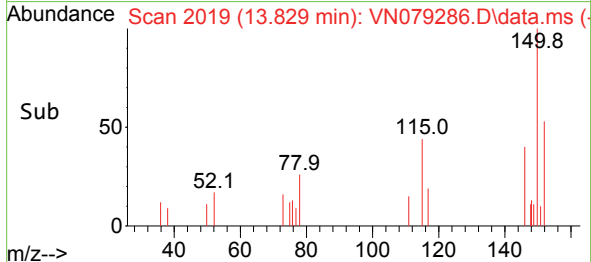
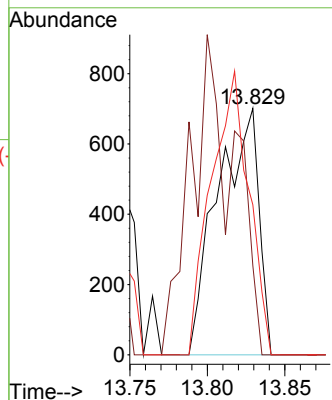


#88
1,4-Dichlorobenzene
Concen: 0.481 ug/l
RT: 13.829 min Scan# 2017
Delta R.T. 0.011 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

Instrument :
MSVOA_N
ClientSampleId :

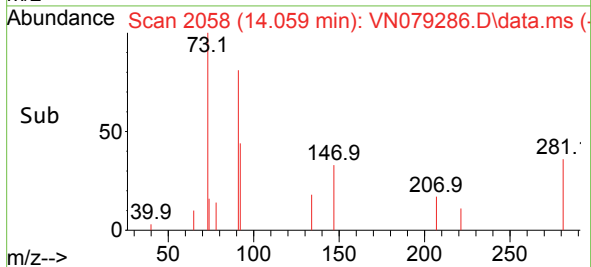
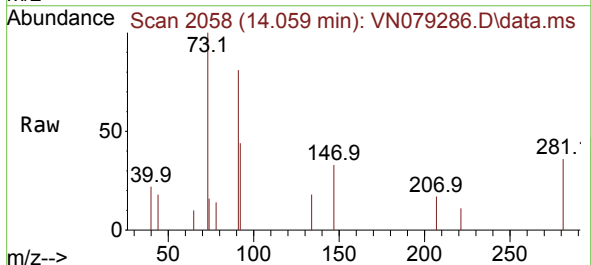
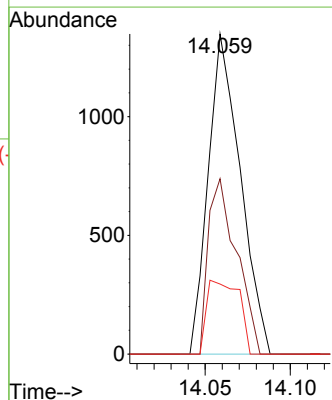


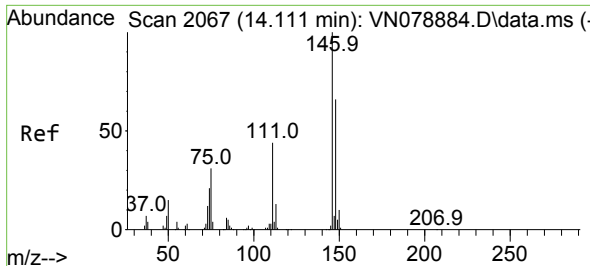
Tgt Ion:146 Resp: 1294
Ion Ratio Lower Upper
146 100
111 0.0 20.6 61.8#
148 105.5 31.6 94.8#



#89
n-Butylbenzene
Concen: 0.462 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

Tgt Ion: 91 Resp: 1769
Ion Ratio Lower Upper
91 100
92 48.4 26.4 79.0
134 23.0 12.6 37.6

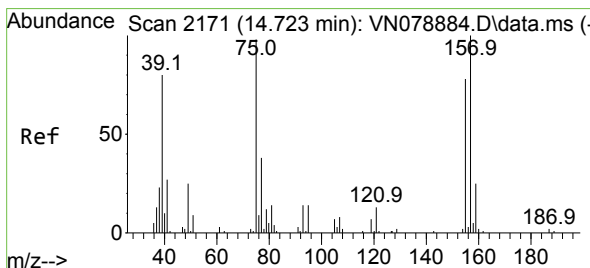
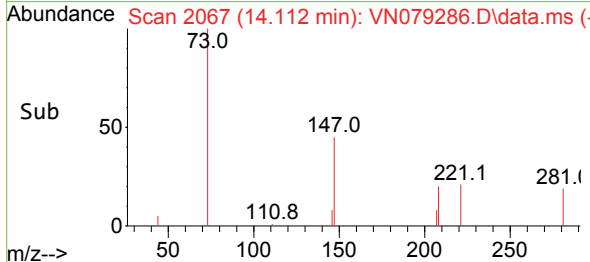
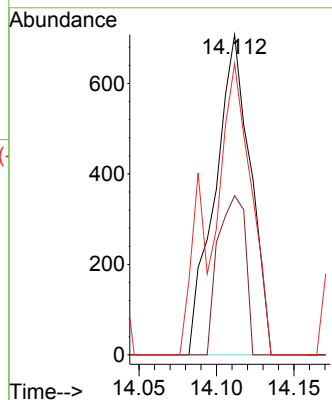
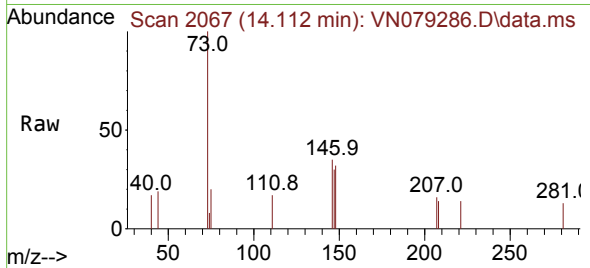




#91
1,2-Dichlorobenzene
Concen: 0.428 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. -0.000 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

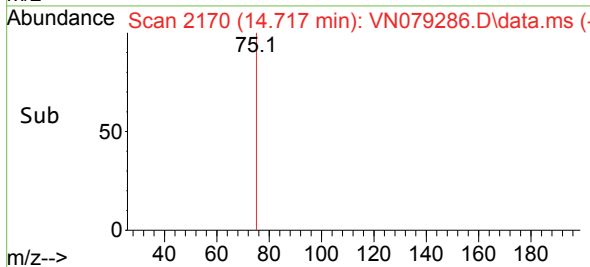
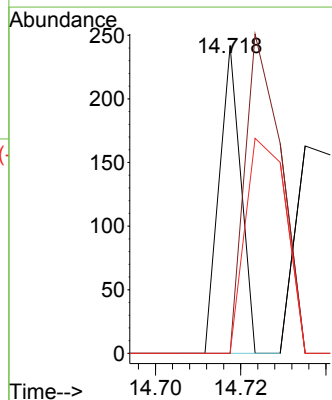
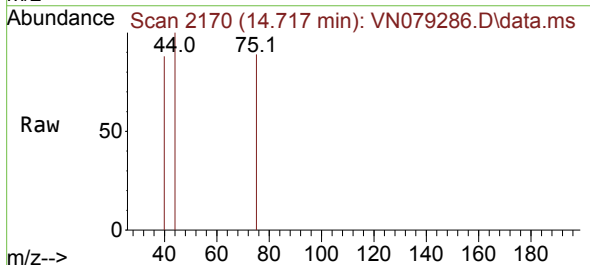
Instrument :
MSVOA_N
ClientSampleId :

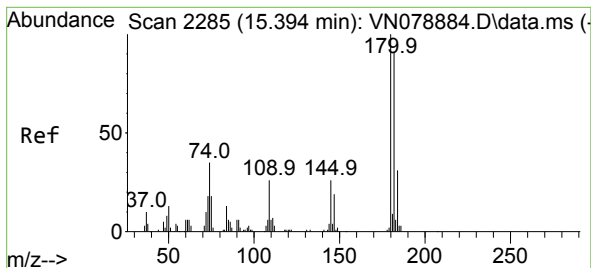
Tgt Ion:146 Resp: 1126
Ion Ratio Lower Upper
146 100
111 38.5 22.0 66.0
148 77.4 31.8 95.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.234 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

Tgt Ion: 75 Resp: 85
Ion Ratio Lower Upper
75 100
155 172.9 39.1 117.2#
157 132.9 50.3 150.9





#93

1,2,4-Trichlorobenzene

Concen: 1.383 ug/l

RT: 15.400 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN079286.D

Acq: 18 Sep 2023 12:57

Instrument :

MSVOA_N

ClientSampleId :

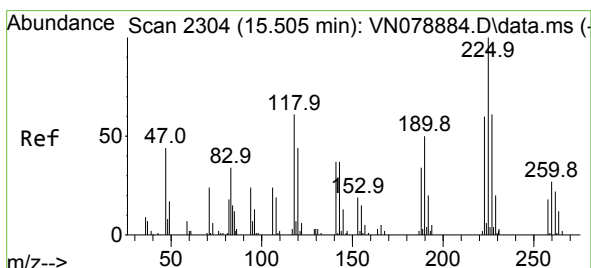
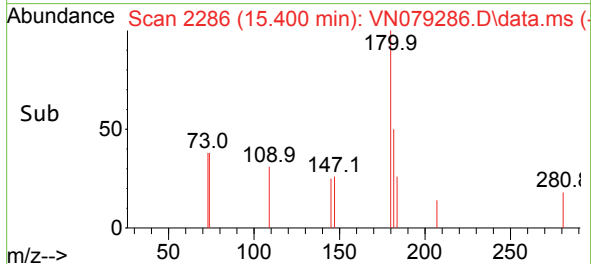
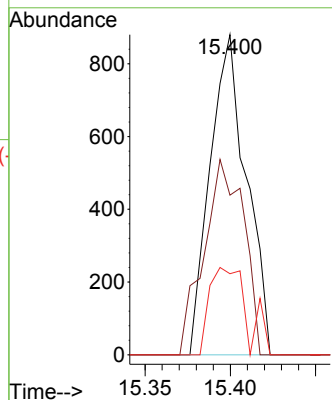
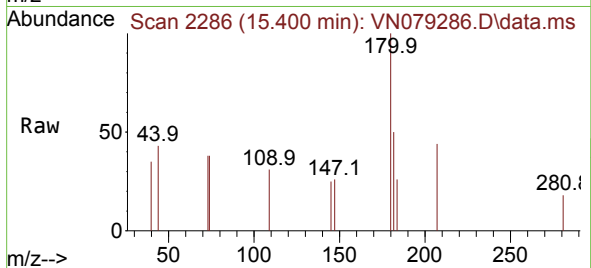
Tgt Ion:180 Resp: 1307

Ion Ratio Lower Upper

180 100

182 66.6 46.1 138.2

145 28.1 16.6 49.8



#94

Hexachlorobutadiene

Concen: 1.366 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. -0.000 min

Lab File: VN079286.D

Acq: 18 Sep 2023 12:57

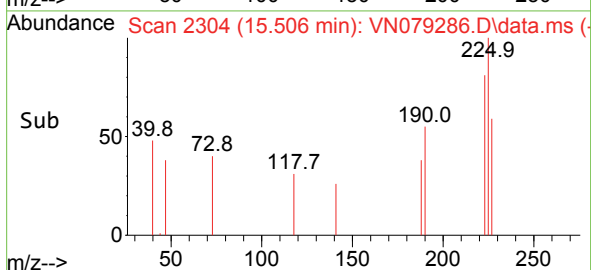
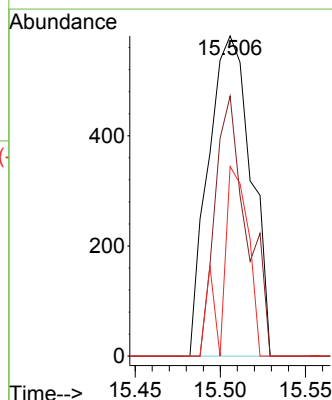
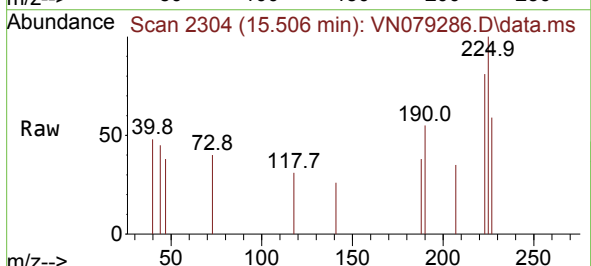
Tgt Ion:225 Resp: 1016

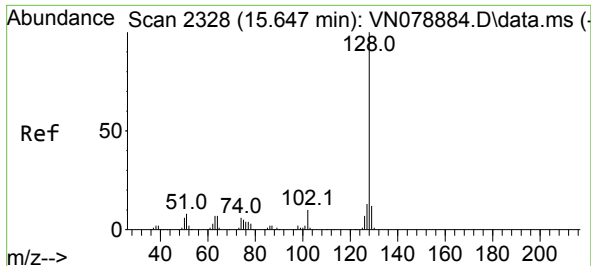
Ion Ratio Lower Upper

225 100

223 59.7 31.3 93.8

227 35.8 31.9 95.9

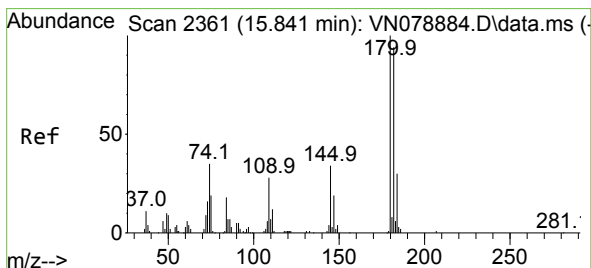
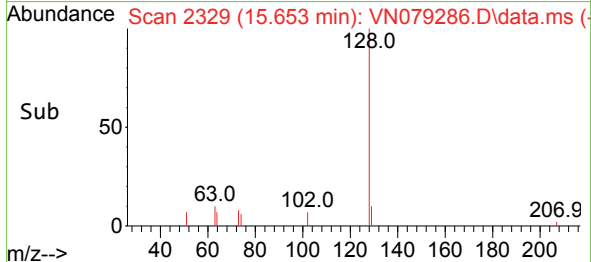
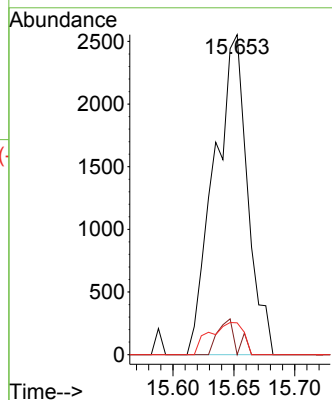
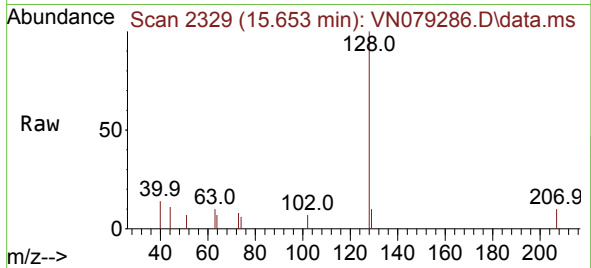




#95
Naphthalene
Concen: 1.729 ug/l
RT: 15.653 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 4855
Ion Ratio Lower Upper
128 100
127 6.2 10.0 15.0#
129 10.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.546 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. -0.000 min
Lab File: VN079286.D
Acq: 18 Sep 2023 12:57

Tgt Ion:180 Resp: 1724
Ion Ratio Lower Upper
180 100
182 84.0 46.2 138.6
145 30.2 17.5 52.6

