

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020223\
 Data File : VN076511.D
 Acq On : 02 Feb 2023 15:39
 Operator : JC\MD
 Sample : 01386-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JPP-14-013123

Quant Time: Feb 03 01:01:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

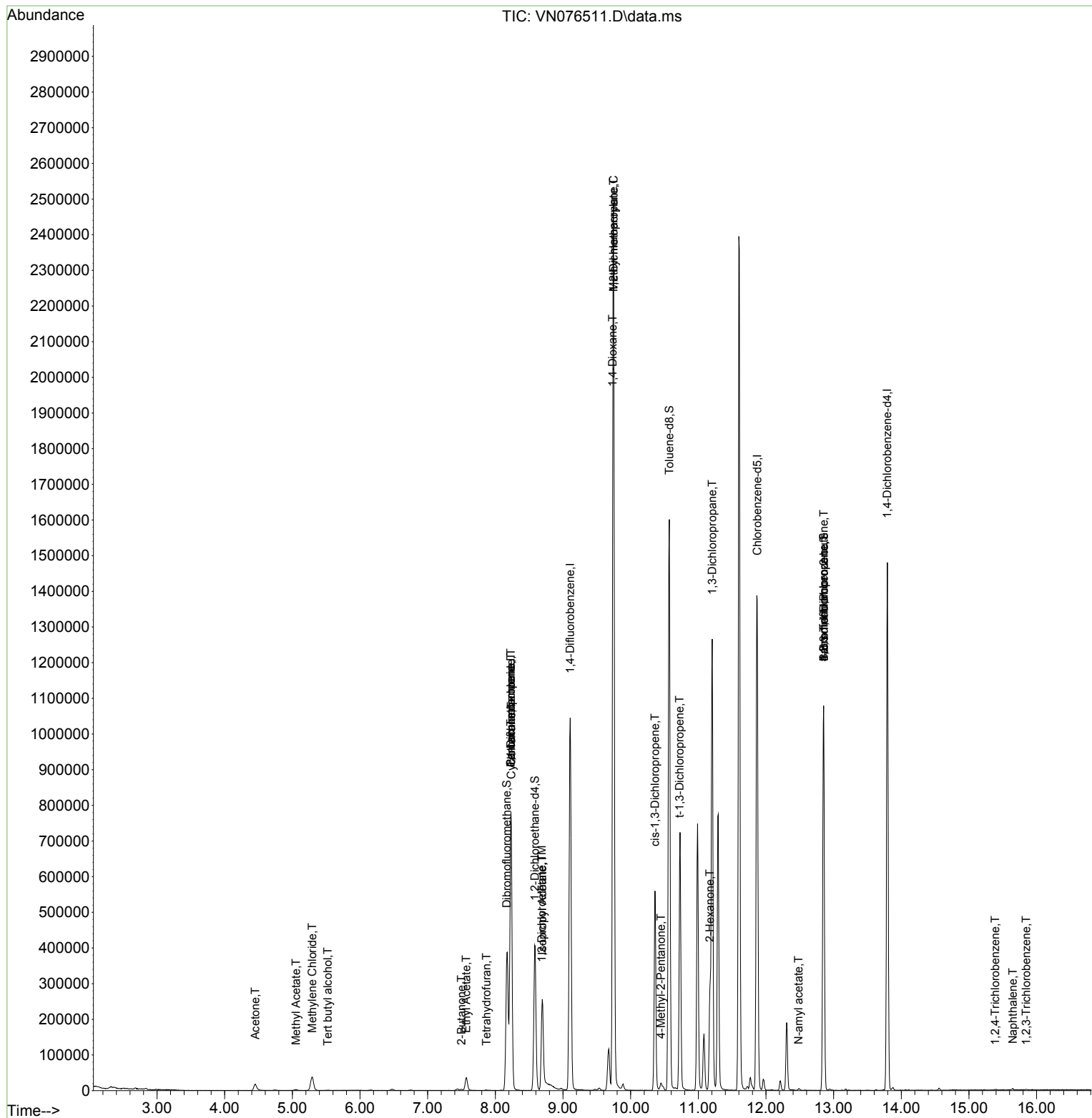
Internal Standards						
1) Pentafluorobenzene	8.230	168	575289	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	965155	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	872677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	412758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	341795	53.062	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.120%			
35) Dibromofluoromethane	8.171	113	290201	48.067	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.140%			
50) Toluene-d8	10.571	98	1131694	50.755	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.520%			
62) 4-Bromofluorobenzene	12.853	95	381140	52.362	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.720%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.524	59	535	0.621	ug/l #	72
16) Acetone	4.453	43	36317	17.519	ug/l	94
18) Methyl Acetate	5.053	43	4165	0.595	ug/l #	63
20) Methylene Chloride	5.295	84	32373	4.753	ug/l	97
25) 2-Butanone	7.500	43	4411	1.399	ug/l	93
29) Tetrahydrofuran	7.871	42	984	0.506	ug/l #	66
31) Cyclohexane	8.236	56	11931	1.206	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	44499	5.187	ug/l #	49
37) Ethyl Acetate	7.571	43	52864	7.713	ug/l	97
38) Carbon Tetrachloride	8.230	117	59558	6.225	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	2006	0.229	ug/l #	73
43) Isopropyl Acetate	8.694	43	299498	26.754	ug/l #	85
45) 1,2-Dichloropropane	9.747	63	3070	0.500	ug/l #	42
48) Methyl methacrylate	9.747	41	224564	42.374	ug/l #	33
49) 1,4-Dioxane	9.735	88	486	4.346	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	19583	2.980	ug/l #	77
53) t-1,3-Dichloropropene	10.724	75	1919	0.224	ug/l #	65
54) cis-1,3-Dichloropropene	10.359	75	109766	11.128	ug/l #	59
57) 1,3-Dichloropropane	11.206	76	14451	1.356	ug/l #	42
59) 2-Hexanone	11.171	43	220042	46.207	ug/l #	21
71) Bromoform	12.853	173	2082	0.420	ug/l #	1
74) N-amyl acetate	12.482	43	2675	0.291	ug/l #	42
76) 1,2,3-Trichloropropane	12.853	75	195888	25.588	ug/l #	1
77) Bromobenzene	12.976	156	53	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	195888	78.963	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.388	180	723	1.402	ug/l	83
95) Naphthalene	15.647	128	4398	2.036	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.847	180	927	1.285	ug/l #	72

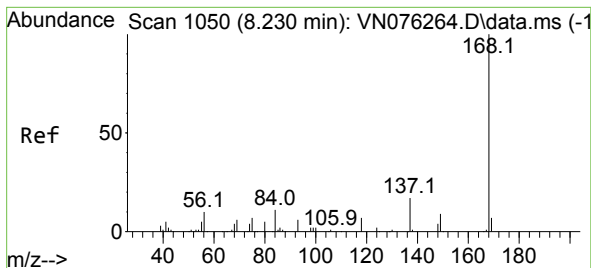
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 17 03:59:22 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076511.D

Acq: 02 Feb 2023 15:39

Instrument :

MSVOA_N

ClientSampleId :

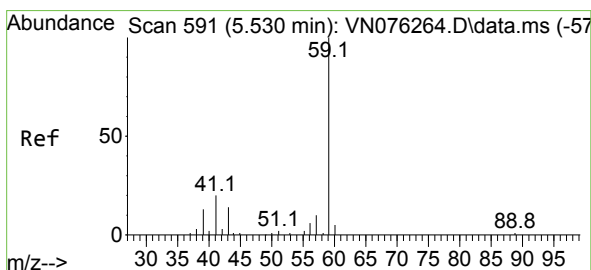
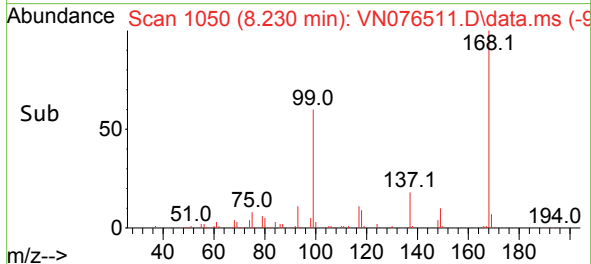
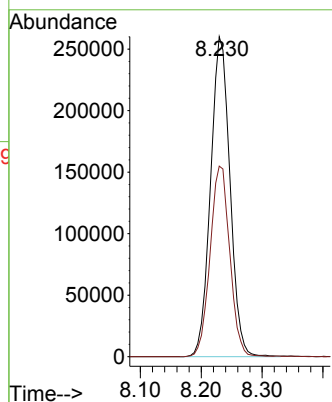
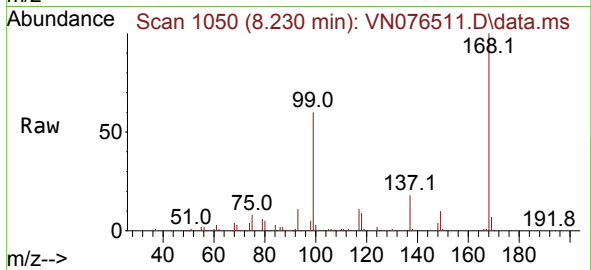
JPP-14-013123

Tgt Ion:168 Resp: 575289

Ion Ratio Lower Upper

168 100

99 59.6 41.6 62.4



#11

Tert butyl alcohol

Concen: 0.621 ug/l

RT: 5.524 min Scan# 590

Delta R.T. -0.006 min

Lab File: VN076511.D

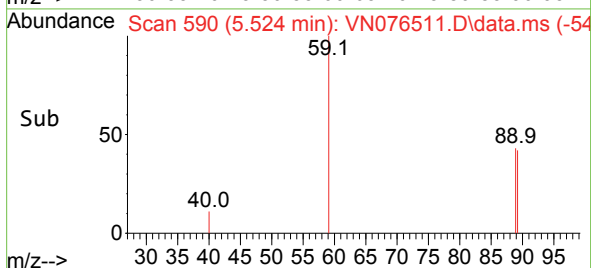
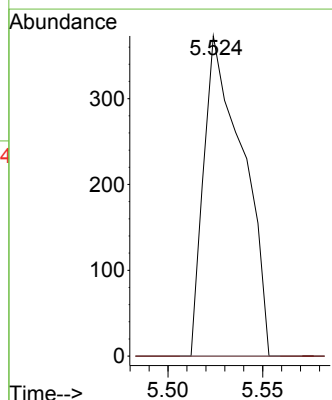
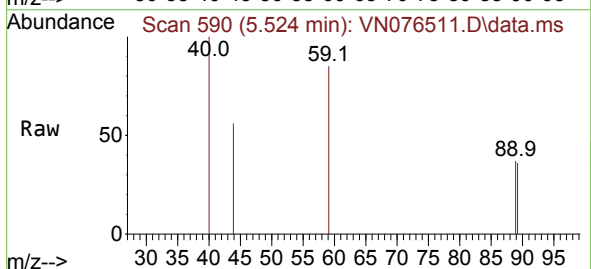
Acq: 02 Feb 2023 15:39

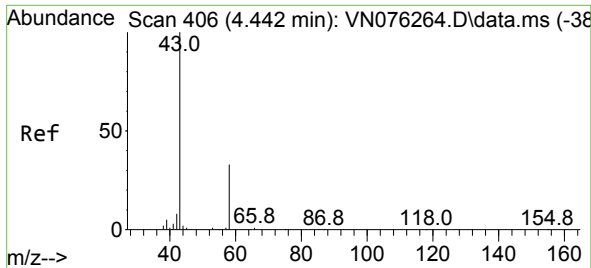
Tgt Ion: 59 Resp: 535

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

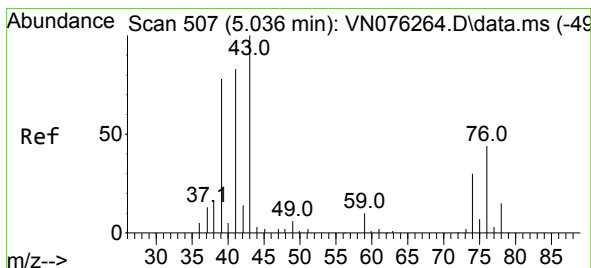
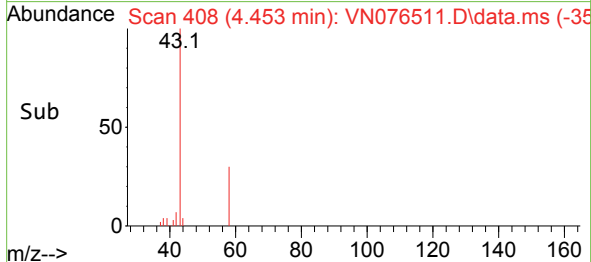
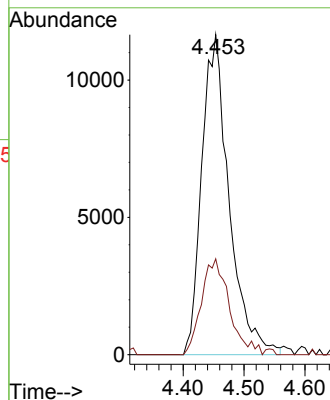
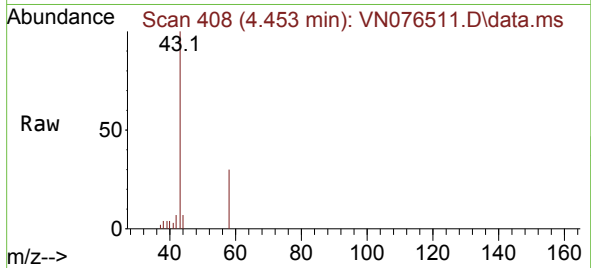




#16
Acetone
Concen: 17.519 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.011 min
Lab File: VN076511.D
Acq: 02 Feb 2023 15:39

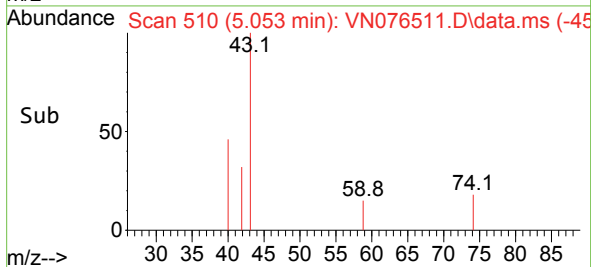
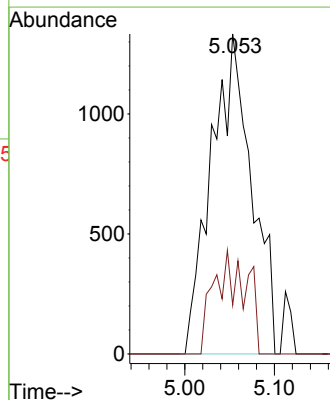
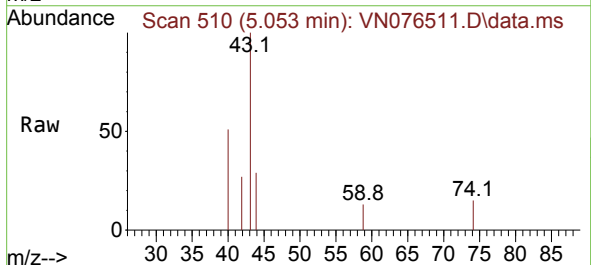
Instrument :
MSVOA_N
ClientSampleId :
JPP-14-013123

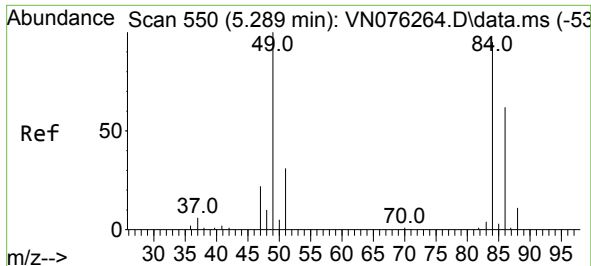
Tgt Ion: 43 Resp: 36317
Ion Ratio Lower Upper
43 100
58 29.9 26.7 40.1



#18
Methyl Acetate
Concen: 0.595 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.017 min
Lab File: VN076511.D
Acq: 02 Feb 2023 15:39

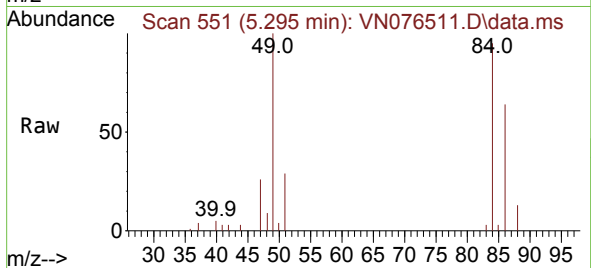
Tgt Ion: 43 Resp: 4165
Ion Ratio Lower Upper
43 100
74 9.2 23.3 34.9#



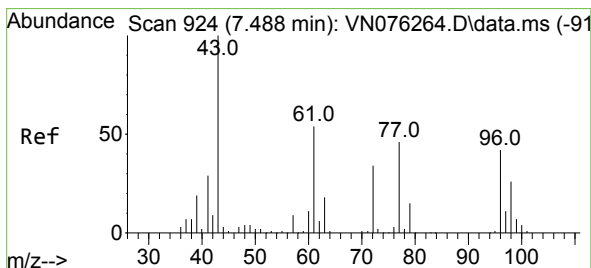
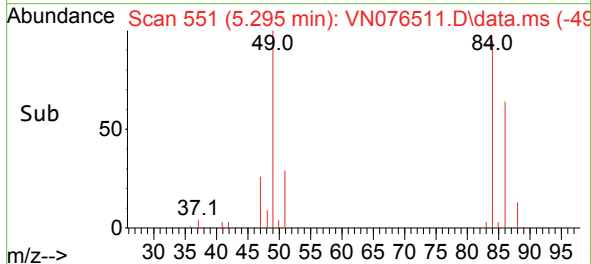
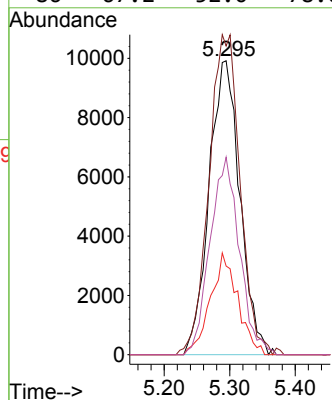


#20
Methylene Chloride
Concen: 4.753 ug/l
RT: 5.295 min Scan# 511
Delta R.T. 0.006 min
Lab File: VN076511.D
Acq: 02 Feb 2023 15:39

Instrument :
MSVOA_N
ClientSampleId :
JPP-14-013123

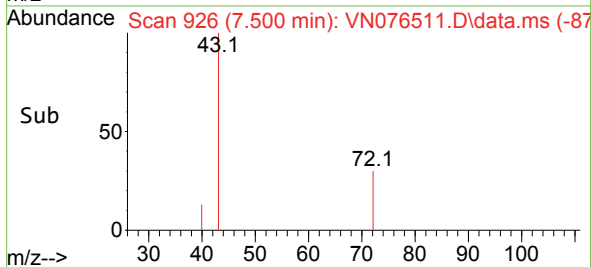
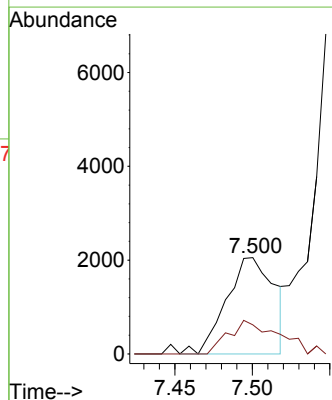
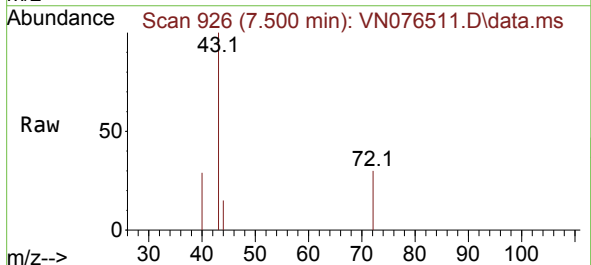


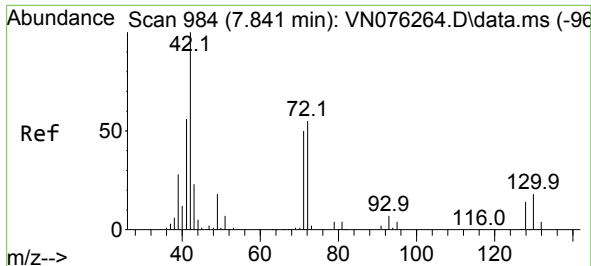
Tgt Ion:	84	Resp:	32373
Ion	Ratio	Lower	Upper
84	100		
49	103.5	84.5	126.7
51	30.2	26.0	39.0
86	67.2	52.0	78.0



#25
2-Butanone
Concen: 1.399 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN076511.D
Acq: 02 Feb 2023 15:39

Tgt Ion:	43	Resp:	4411
Ion	Ratio	Lower	Upper
43	100		
72	30.2	27.4	41.2

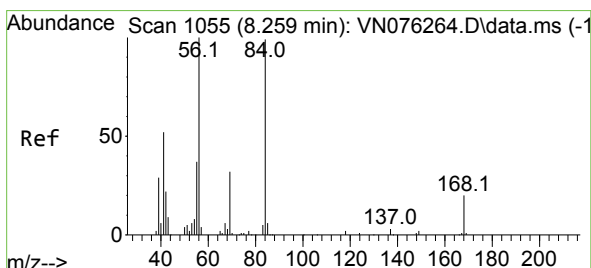
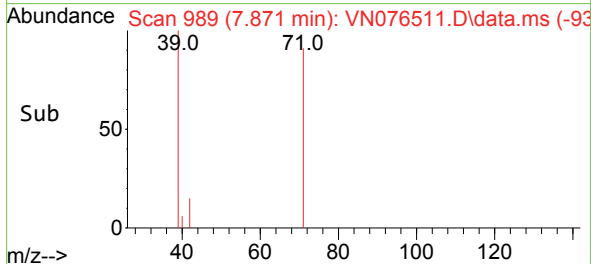
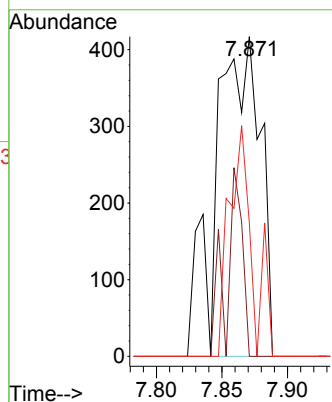
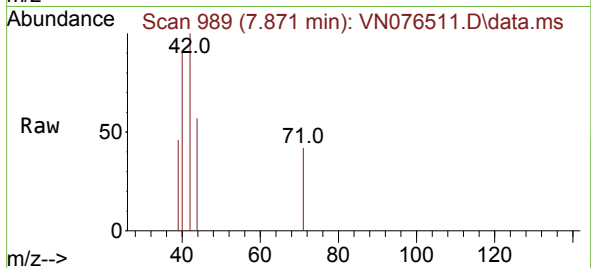




#29
Tetrahydrofuran
Concen: 0.506 ug/l
RT: 7.871 min Scan# 984
Delta R.T. 0.030 min
Lab File: VN076511.D
Acq: 02 Feb 2023 15:39

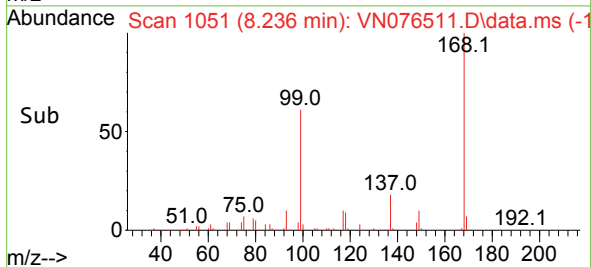
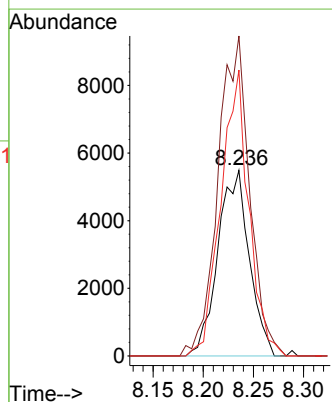
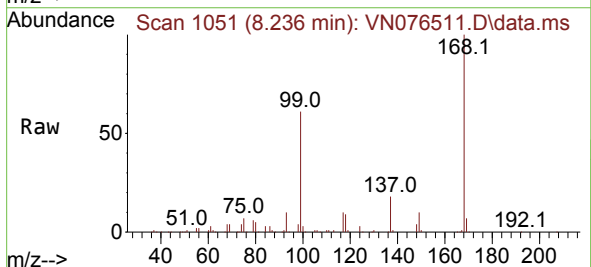
Instrument :
MSVOA_N
ClientSampleId :
JPP-14-013123

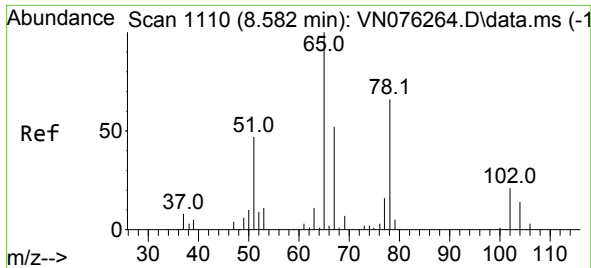
Tgt Ion: 42 Resp: 984
Ion Ratio Lower Upper
42 100
72 21.0 44.0 66.0#
71 37.6 41.1 61.7#



#31
Cyclohexane
Concen: 1.206 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.023 min
Lab File: VN076511.D
Acq: 02 Feb 2023 15:39

Tgt Ion: 56 Resp: 11931
Ion Ratio Lower Upper
56 100
69 172.3 25.8 38.8#
84 154.0 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 53.062 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.001 min

Lab File: VN076511.D

Acq: 02 Feb 2023 15:39

Instrument :

MSVOA_N

ClientSampleId :

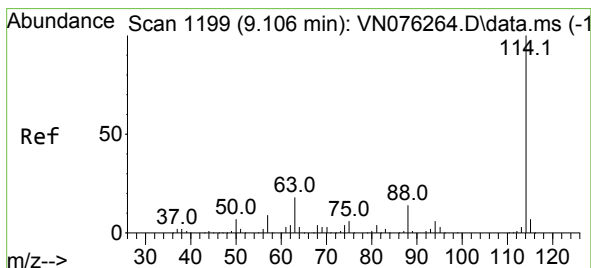
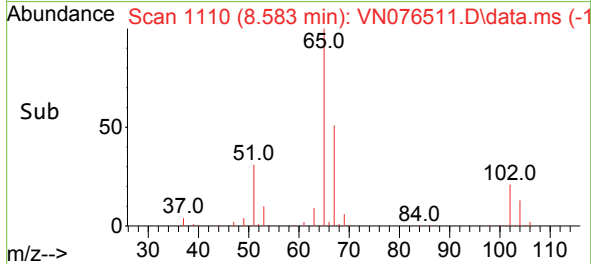
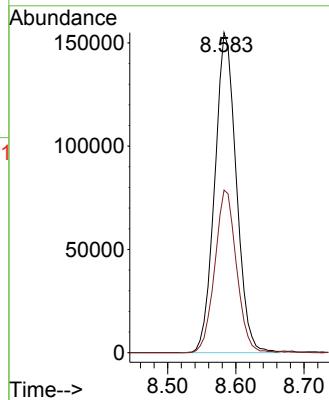
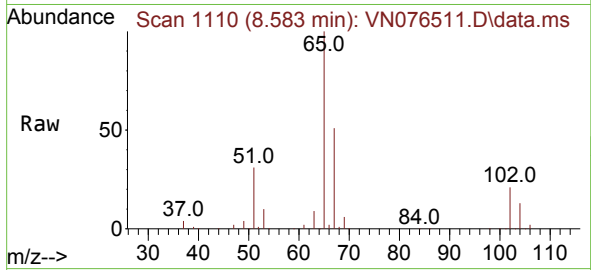
JPP-14-013123

Tgt Ion: 65 Resp: 341795

Ion Ratio Lower Upper

65 100

67 51.0 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076511.D

Acq: 02 Feb 2023 15:39

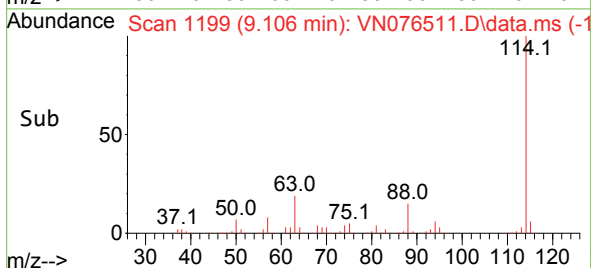
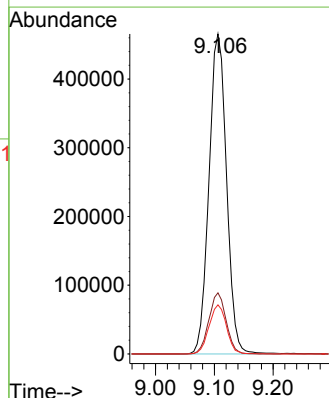
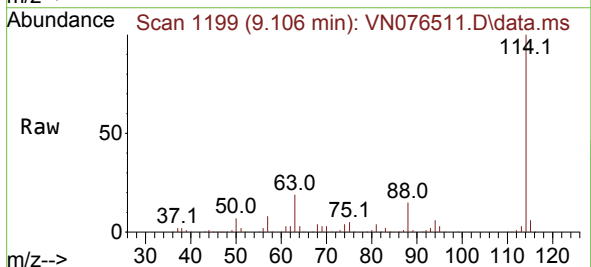
Tgt Ion: 114 Resp: 965155

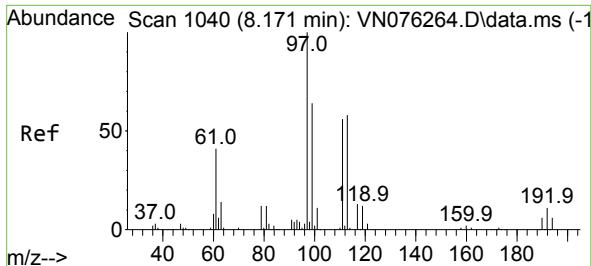
Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.8

88 15.4 0.0 28.0





#35

Dibromofluoromethane

Concen: 48.067 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076511.D

Acq: 02 Feb 2023 15:39

Instrument :

MSVOA_N

ClientSampleId :

JPP-14-013123

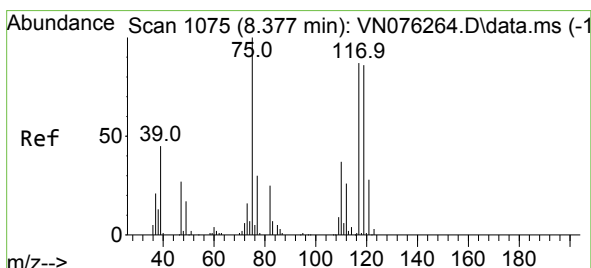
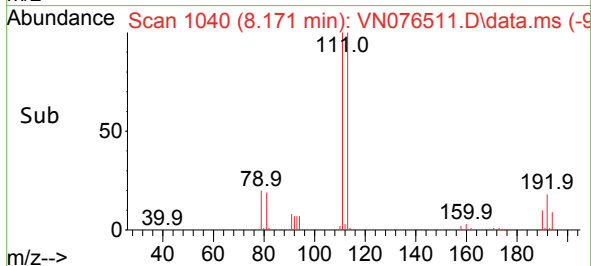
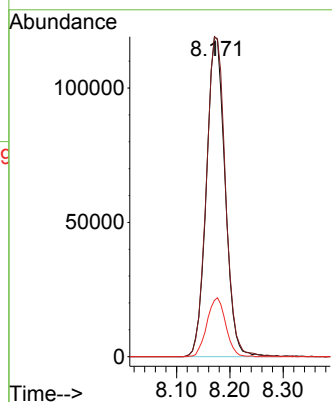
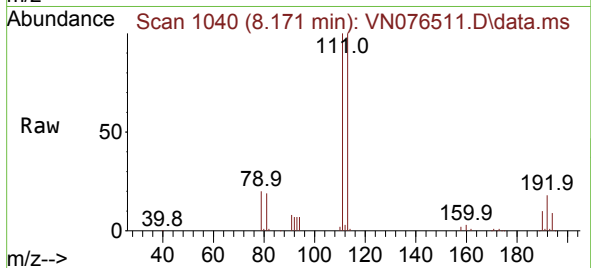
Tgt Ion:113 Resp: 290201

Ion Ratio Lower Upper

113 100

111 102.2 82.7 124.1

192 18.5 15.6 23.4



#36

1,1-Dichloropropene

Concen: 5.187 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076511.D

Acq: 02 Feb 2023 15:39

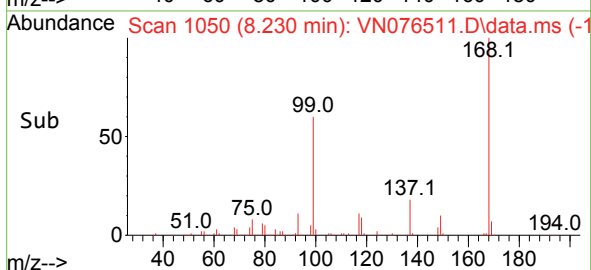
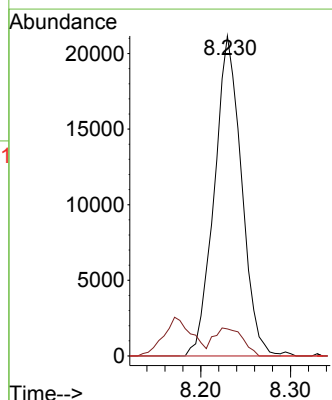
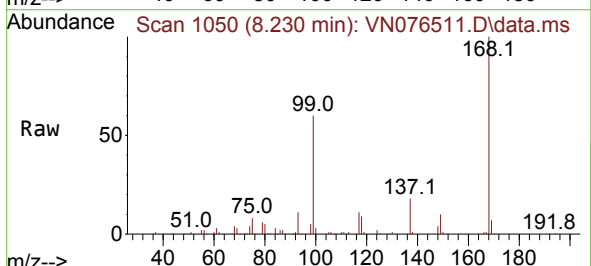
Tgt Ion: 75 Resp: 44499

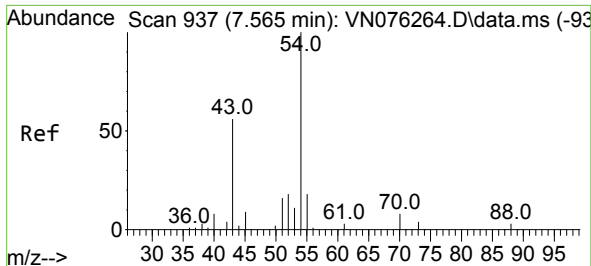
Ion Ratio Lower Upper

75 100

110 9.2 18.8 56.3#

77 0.0 25.0 37.4#

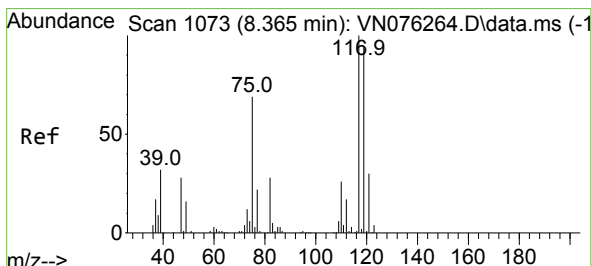
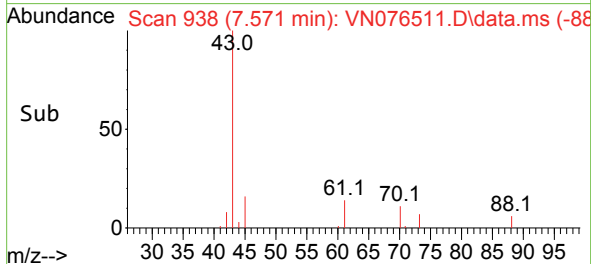
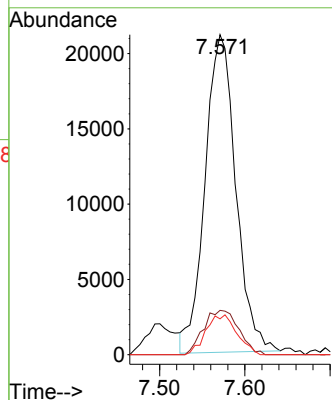
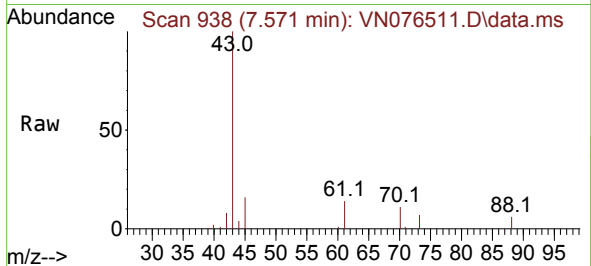




#37
Ethyl Acetate
Concen: 7.713 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076511.D
Acq: 02 Feb 2023 15:39

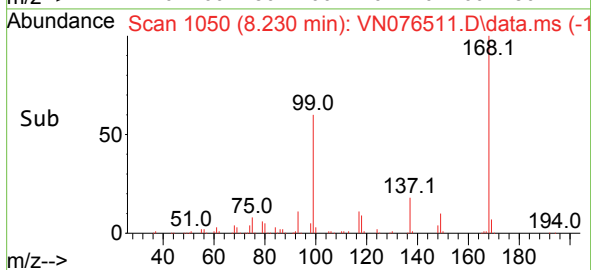
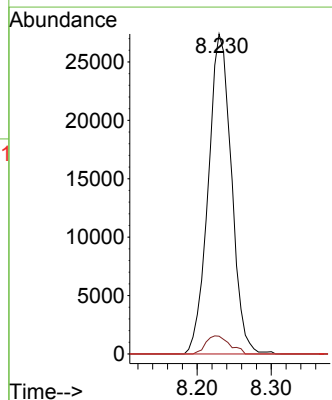
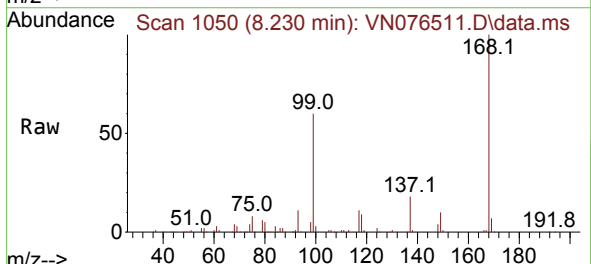
Instrument :
MSVOA_N
ClientSampleId :
JPP-14-013123

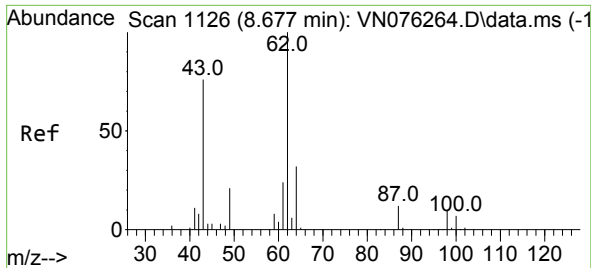
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Ion Ratio Lower Upper
43 100
61 16.0 11.1 16.7
70 12.7 10.0 15.0



#38
Carbon Tetrachloride
Concen: 6.225 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076511.D
Acq: 02 Feb 2023 15:39

Tgt Ion: 117 Resp: 59558
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.0#
121 0.0 24.2 36.2#





#42

1,2-Dichloroethane

Concen: 0.229 ug/l

RT: 8.688 min Scan# 1128

Delta R.T. 0.011 min

Lab File: VN076511.D

Acq: 02 Feb 2023 15:39

Instrument :

MSVOA_N

ClientSampleId :

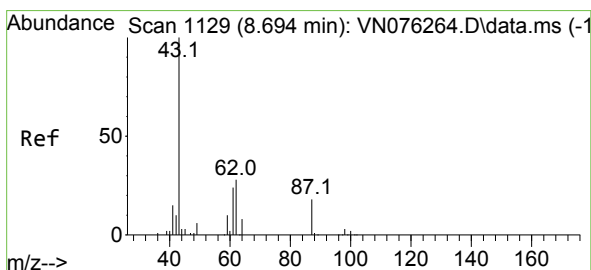
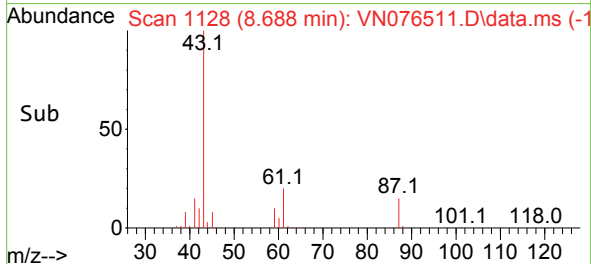
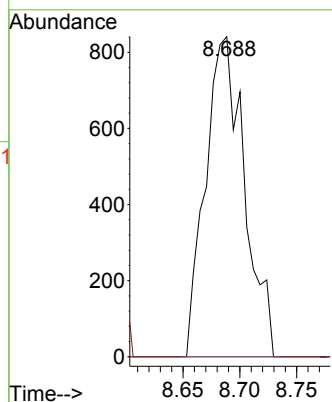
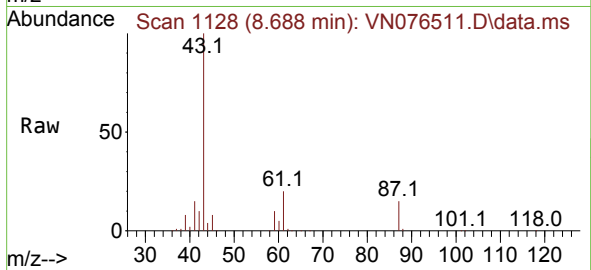
JPP-14-013123

Tgt Ion: 62 Resp: 2006

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4



#43

Isopropyl Acetate

Concen: 26.754 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN076511.D

Acq: 02 Feb 2023 15:39

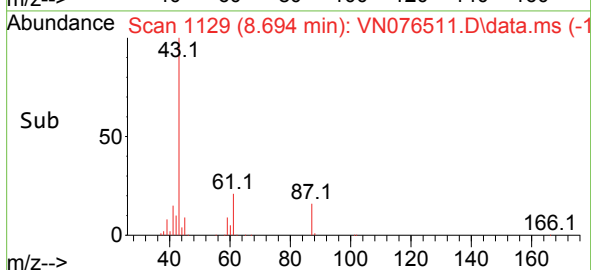
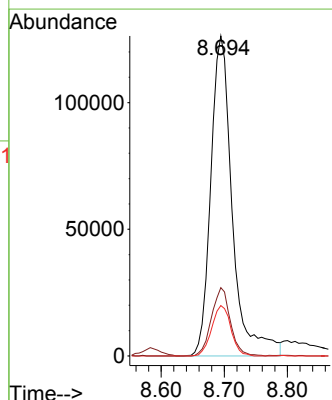
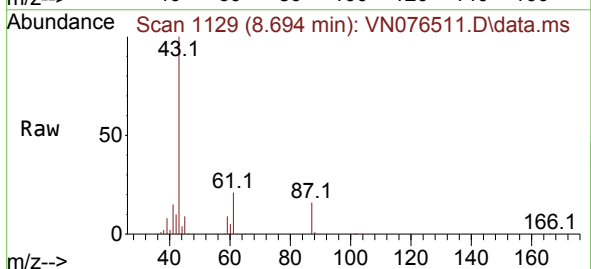
Tgt Ion: 43 Resp: 299498

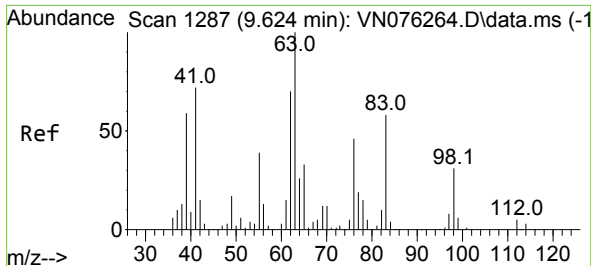
Ion Ratio Lower Upper

43 100

61 18.6 23.5 35.3

87 14.0 13.8 20.6





#45

1,2-Dichloropropane

Concen: 0.500 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.123 min

Lab File: VN076511.D

Acq: 02 Feb 2023 15:39

Instrument :

MSVOA_N

ClientSampleId :

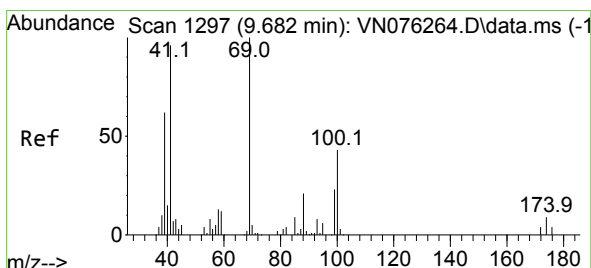
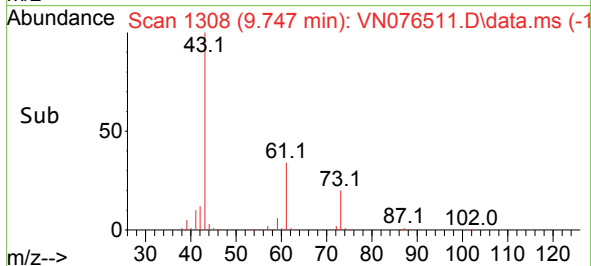
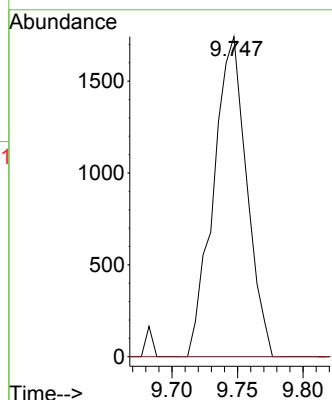
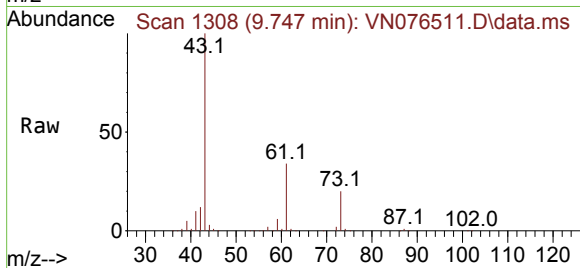
JPP-14-013123

Tgt Ion: 63 Resp: 3070

Ion Ratio Lower Upper

63 100

65 0.0 26.4 39.6#



#48

Methyl methacrylate

Concen: 42.374 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.065 min

Lab File: VN076511.D

Acq: 02 Feb 2023 15:39

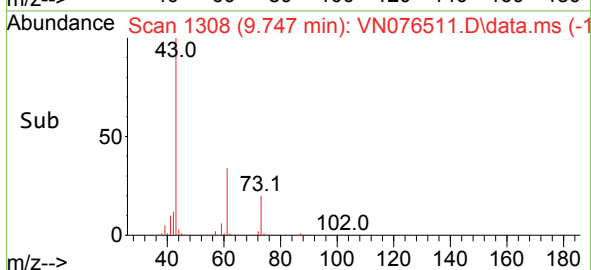
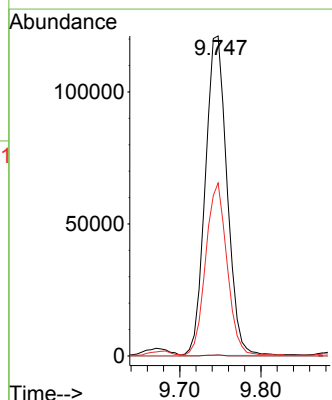
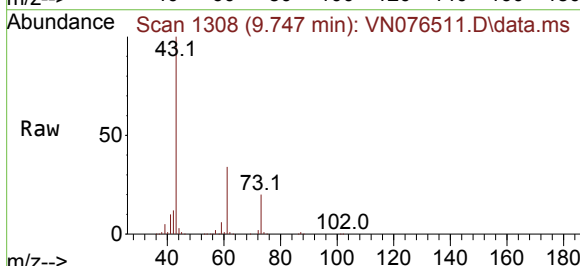
Tgt Ion: 41 Resp: 224564

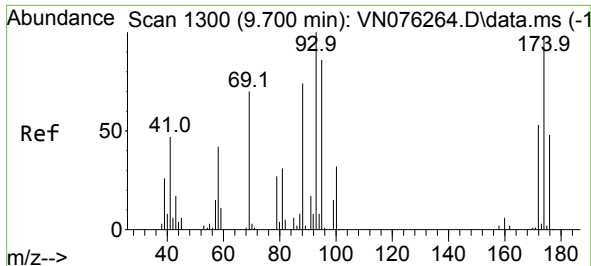
Ion Ratio Lower Upper

41 100

69 0.2 80.8 121.2#

39 53.9 54.4 81.6#





#49

1,4-Dioxane

Concen: 4.346 ug/l

RT: 9.735 min Scan# 1306

Delta R.T. 0.035 min

Lab File: VN076511.D

Acq: 02 Feb 2023 15:39

Instrument :

MSVOA_N

ClientSampleId :

JPP-14-013123

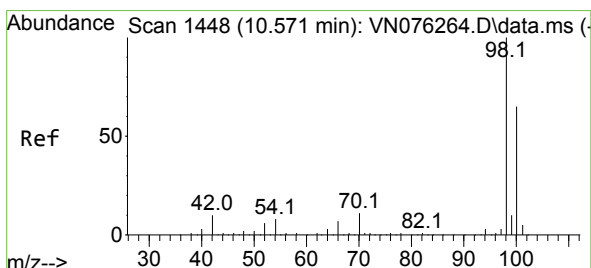
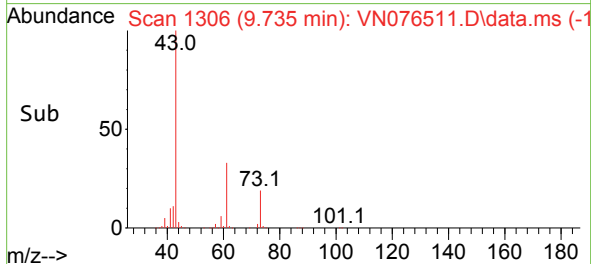
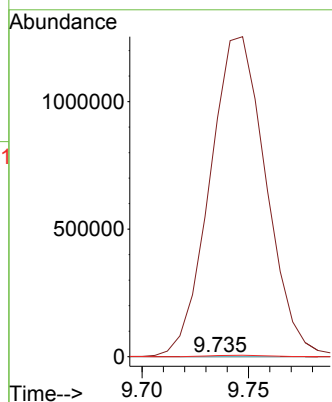
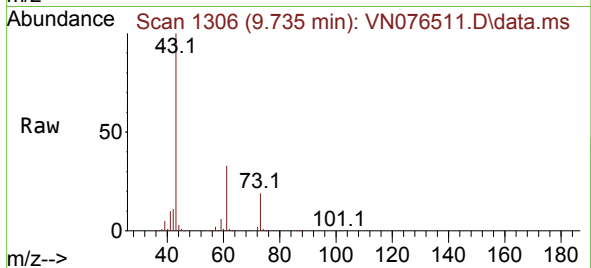
Tgt Ion: 88 Resp: 486

Ion Ratio Lower Upper

88 100

43 478443.4 18.1 27.1#

58 2269.3 46.5 69.7#



#50

Toluene-d8

Concen: 50.755 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076511.D

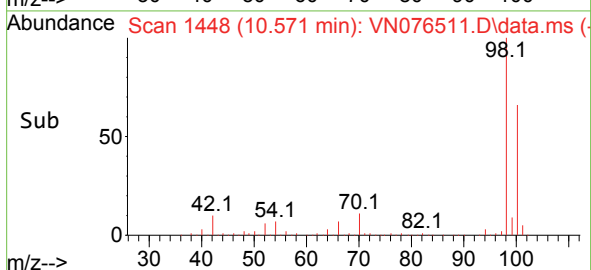
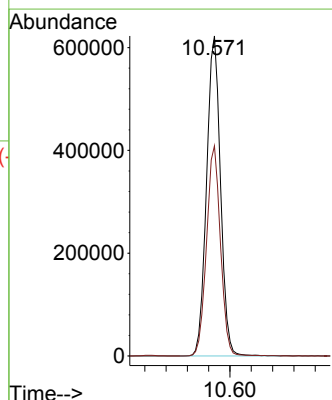
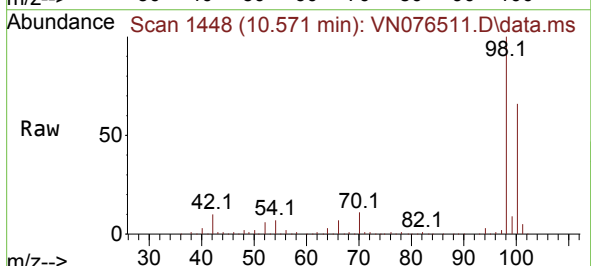
Acq: 02 Feb 2023 15:39

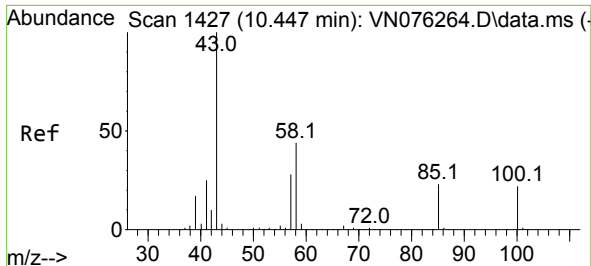
Tgt Ion: 98 Resp: 1131694

Ion Ratio Lower Upper

98 100

100 65.7 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 2.980 ug/l

RT: 10.447 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VN076511.D

Acq: 02 Feb 2023 15:39

Instrument :

MSVOA_N

ClientSampleId :

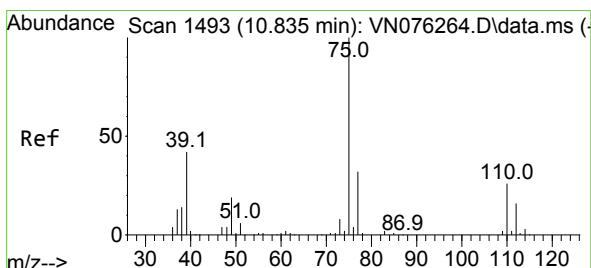
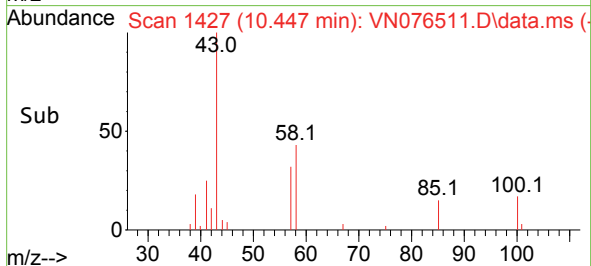
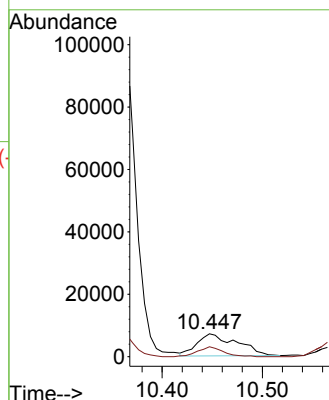
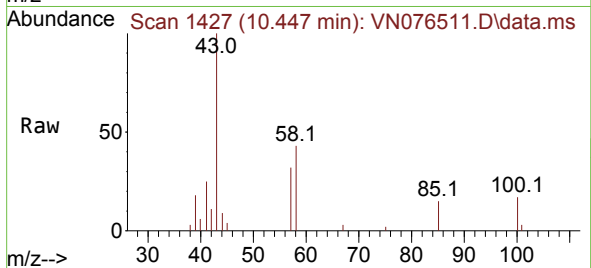
JPP-14-013123

Tgt Ion: 43 Resp: 19583

Ion Ratio Lower Upper

43 100

58 28.9 35.1 52.7#



#53

t-1,3-Dichloropropene

Concen: 0.224 ug/l

RT: 10.724 min Scan# 1474

Delta R.T. -0.111 min

Lab File: VN076511.D

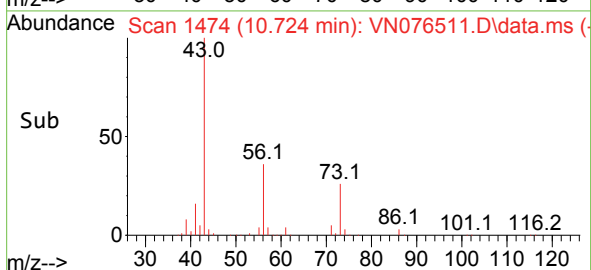
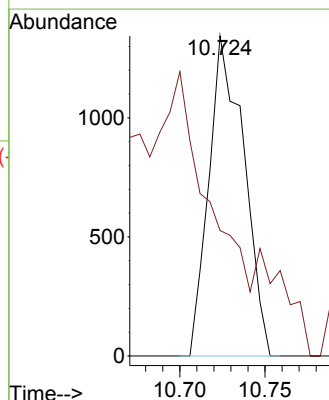
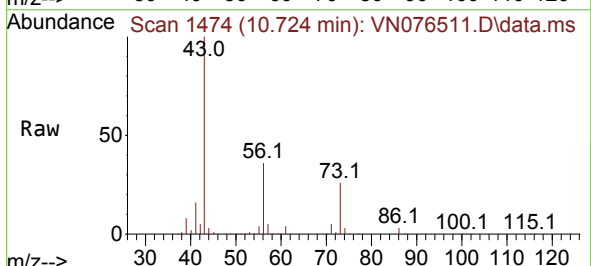
Acq: 02 Feb 2023 15:39

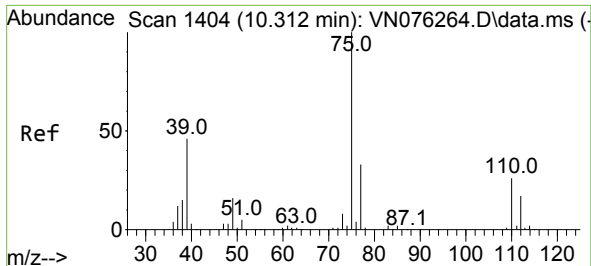
Tgt Ion: 75 Resp: 1919

Ion Ratio Lower Upper

75 100

77 12.5 25.8 38.6#

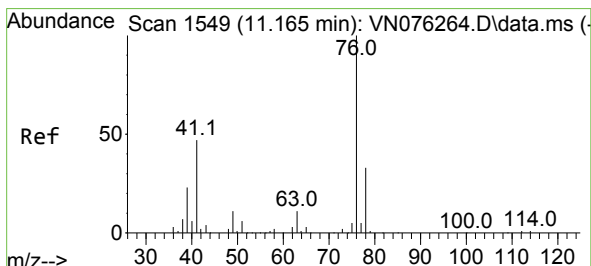
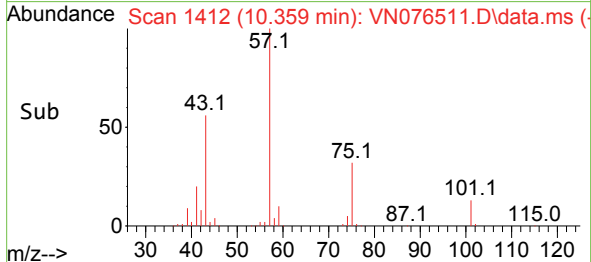
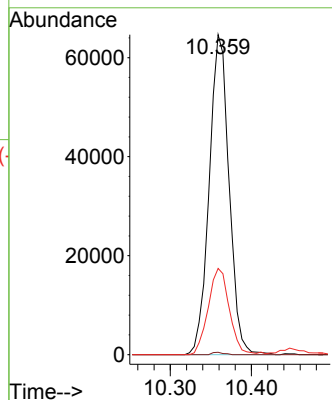
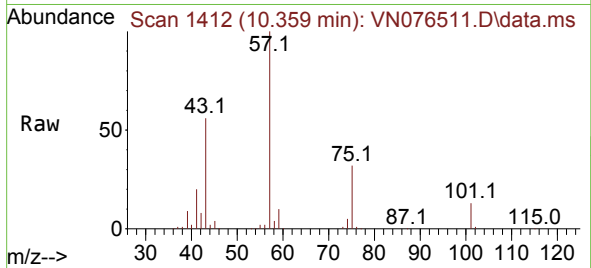




#54
 cis-1,3-Dichloropropene
 Concen: 11.128 ug/l
 RT: 10.359 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN076511.D
 Acq: 02 Feb 2023 15:39

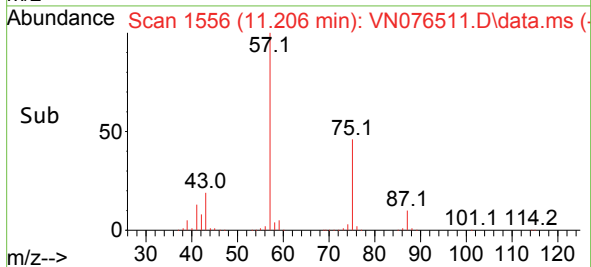
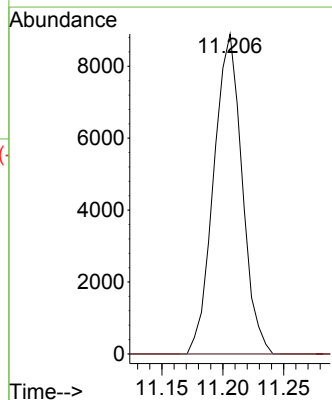
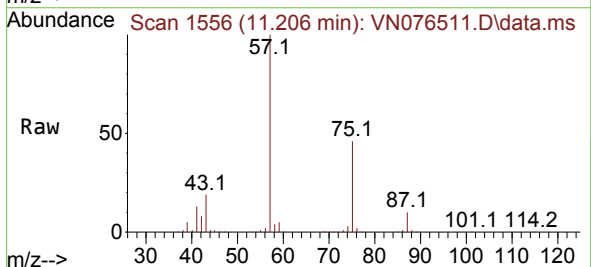
Instrument :
 MSVOA_N
 ClientSampleId :
 JPP-14-013123

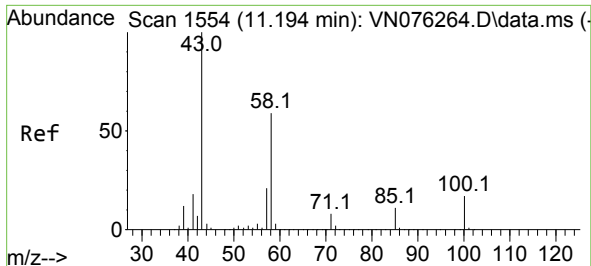
Tgt Ion: 75 Resp: 109766
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.5 39.7#
 39 26.9 37.1 55.7#



#57
 1,3-Dichloropropane
 Concen: 1.356 ug/l
 RT: 11.206 min Scan# 1556
 Delta R.T. 0.041 min
 Lab File: VN076511.D
 Acq: 02 Feb 2023 15:39

Tgt Ion: 76 Resp: 14451
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.4 39.6#

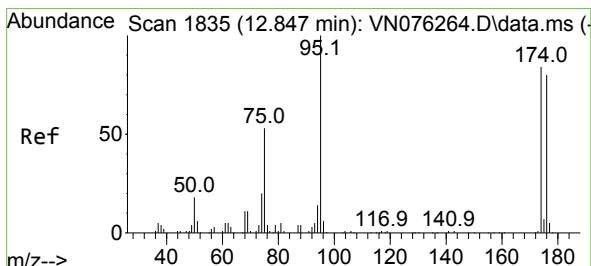
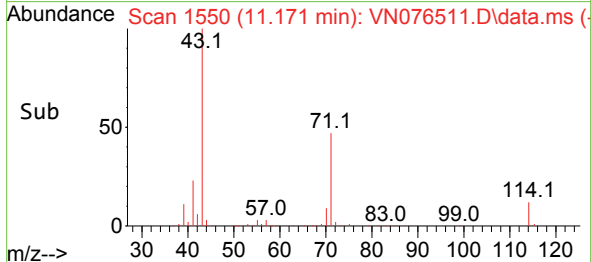
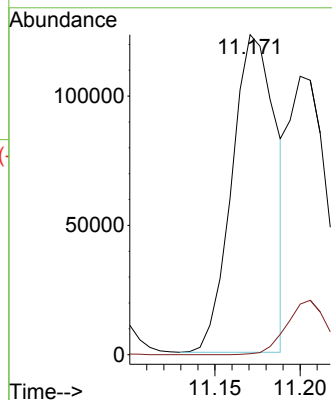
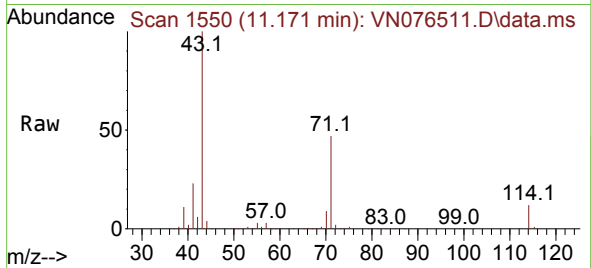




#59
2-Hexanone
Concen: 46.207 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.023 min
Lab File: VN076511.D
Acq: 02 Feb 2023 15:39

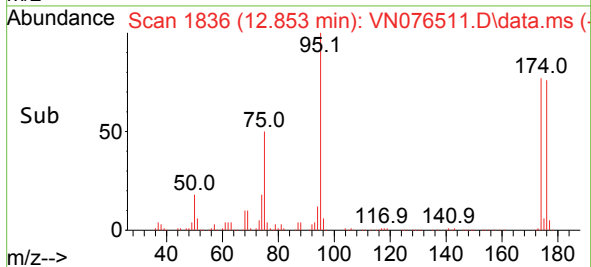
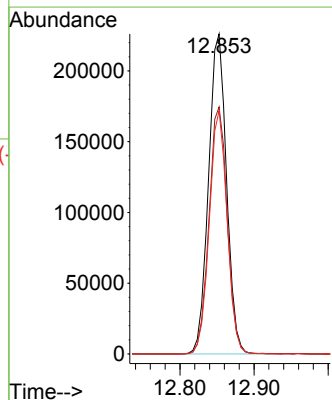
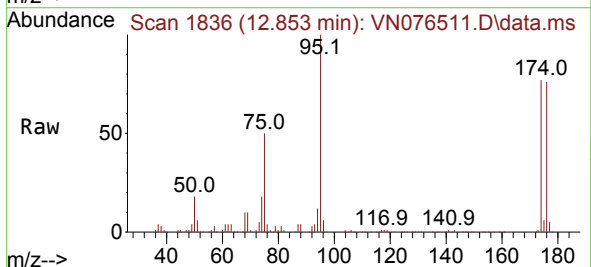
Instrument :
MSVOA_N
ClientSampleId :
JPP-14-013123

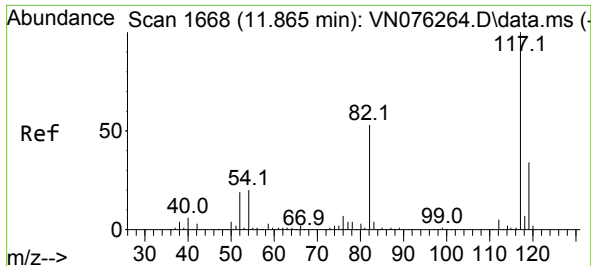
Tgt Ion: 43 Resp: 220042
Ion Ratio Lower Upper
43 100
58 0.0 30.1 90.3#



#62
4-Bromofluorobenzene
Concen: 52.362 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076511.D
Acq: 02 Feb 2023 15:39

Tgt Ion: 95 Resp: 381140
Ion Ratio Lower Upper
95 100
174 78.4 0.0 174.6
176 74.9 0.0 167.8

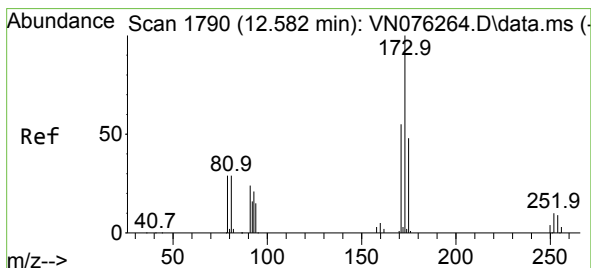
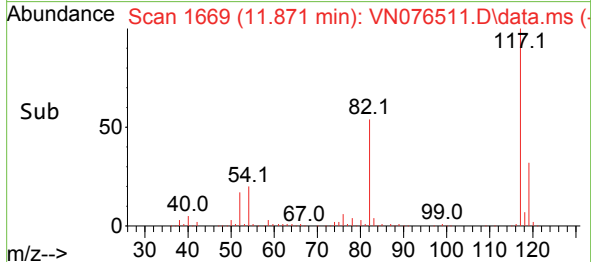
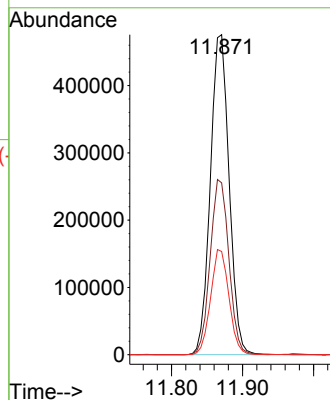
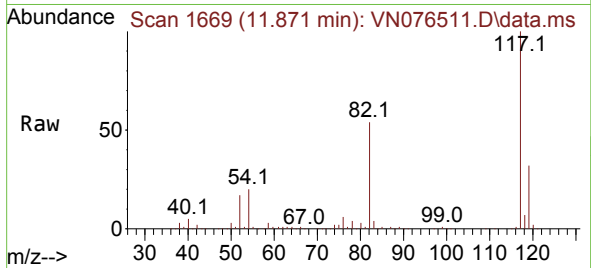




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN076511.D
Acq: 02 Feb 2023 15:39

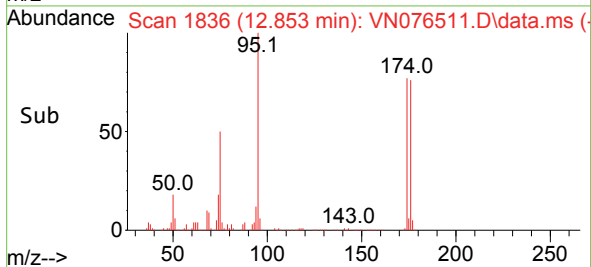
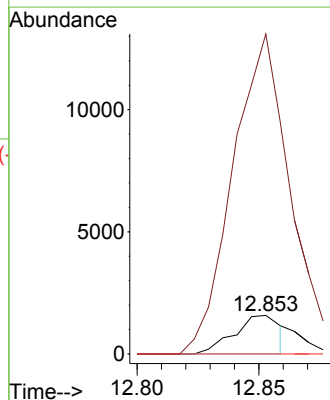
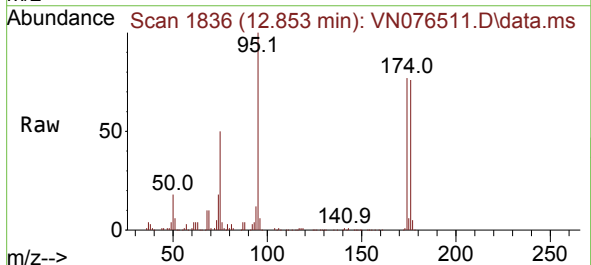
Instrument :
MSVOA_N
ClientSampleId :
JPP-14-013123

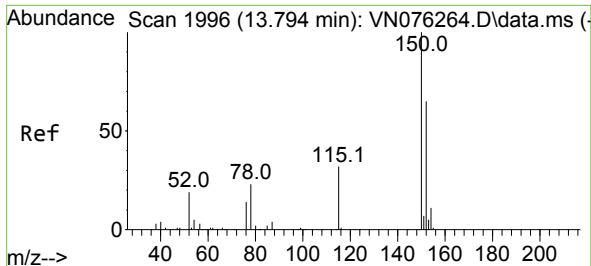
Tgt Ion:117 Resp: 872677
Ion Ratio Lower Upper
117 100
82 53.7 42.2 63.2
119 32.3 26.9 40.3



#71
Bromoform
Concen: 0.420 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076511.D
Acq: 02 Feb 2023 15:39

Tgt Ion:173 Resp: 2082
Ion Ratio Lower Upper
173 100
175 849.2 24.1 72.4#
254 0.0 0.0 0.0

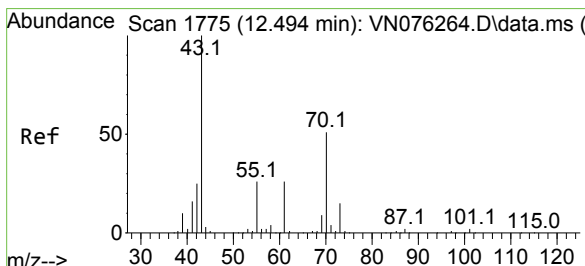
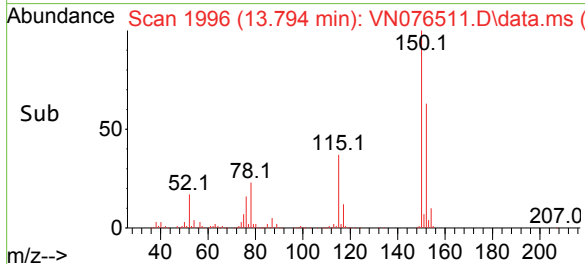
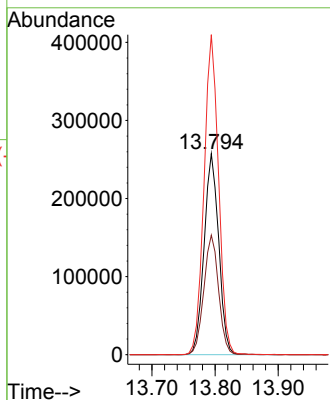
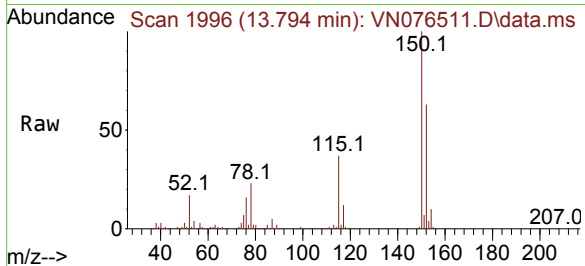




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076511.D
Acq: 02 Feb 2023 15:39

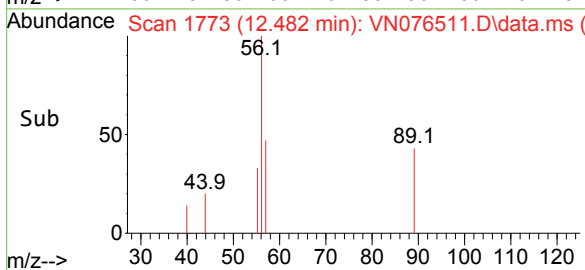
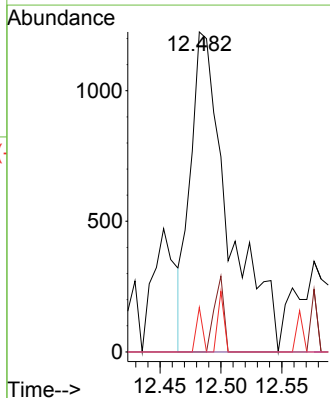
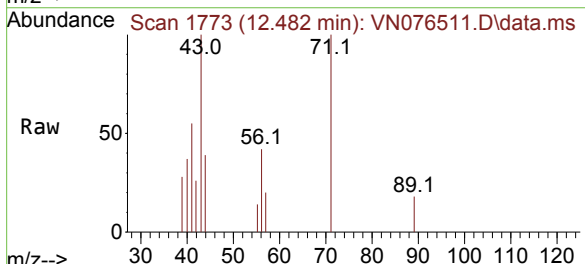
Instrument :
MSVOA_N
ClientSampleId :
JPP-14-013123

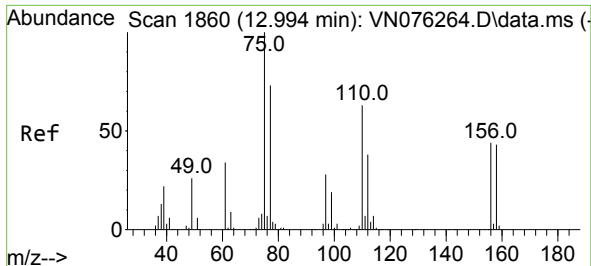
Tgt Ion:152 Resp: 412758
Ion Ratio Lower Upper
152 100
115 60.2 29.6 88.9
150 158.4 0.0 351.4



#74
N-ethyl acetate
Concen: 0.291 ug/l
RT: 12.482 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN076511.D
Acq: 02 Feb 2023 15:39

Tgt Ion: 43 Resp: 2675
Ion Ratio Lower Upper
43 100
70 5.9 41.2 61.8#
55 0.0 21.0 31.6#
61 0.0 21.6 32.4#

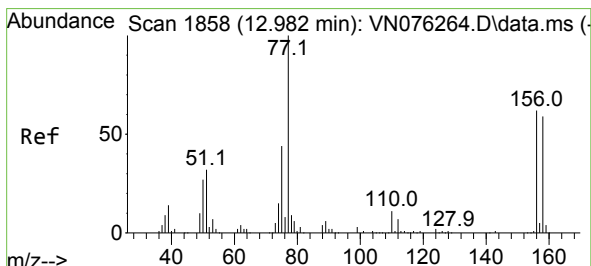
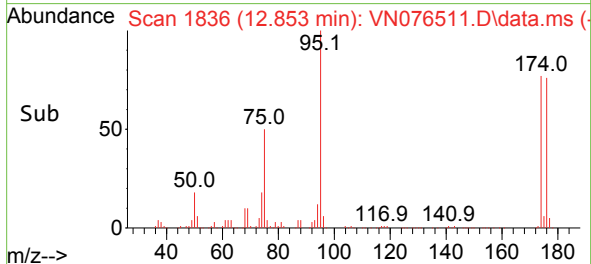
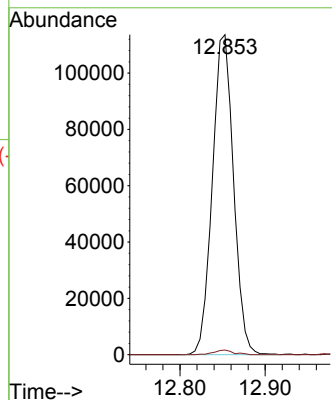
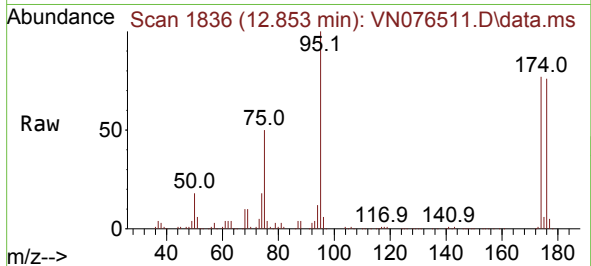




#76
1,2,3-Trichloropropane
Concen: 25.588 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076511.D
Acq: 02 Feb 2023 15:39

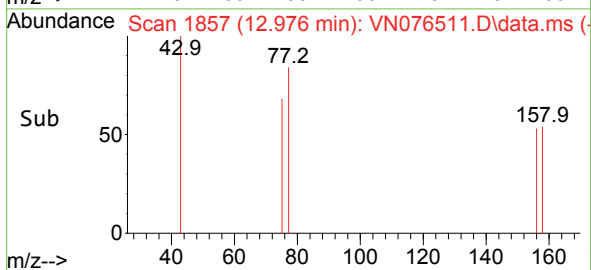
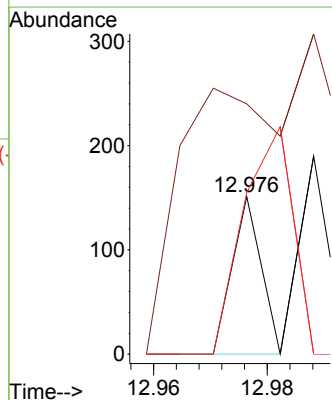
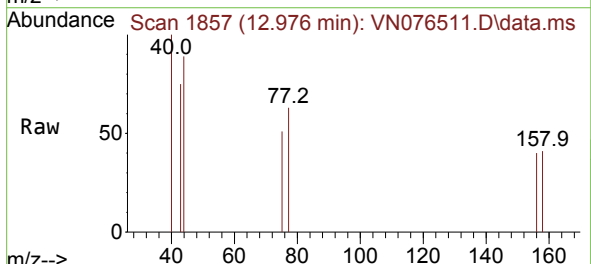
Instrument :
MSVOA_N
ClientSampleId :
JPP-14-013123

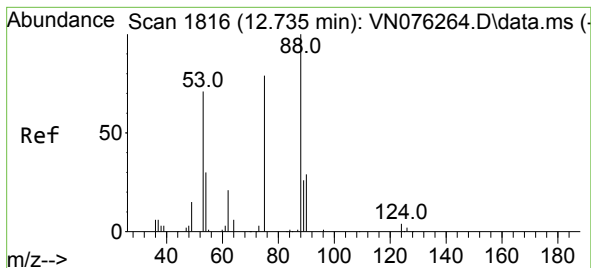
Tgt Ion: 75 Resp: 195888
Ion Ratio Lower Upper
75 100
77 1.3 75.2 225.6#



#77
Bromobenzene
Concen: Below Cal
RT: 12.976 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VN076511.D
Acq: 02 Feb 2023 15:39

Tgt Ion:156 Resp: 53
Ion Ratio Lower Upper
156 100
77 935.8 93.4 280.2#
158 249.1 48.4 145.2#

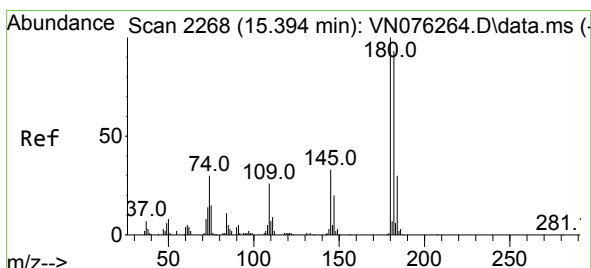
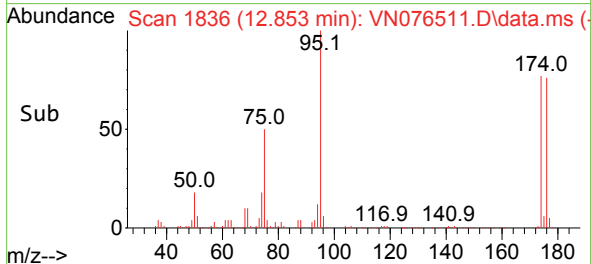
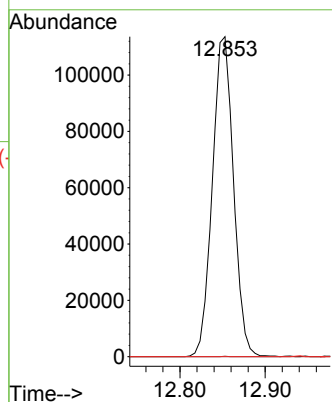
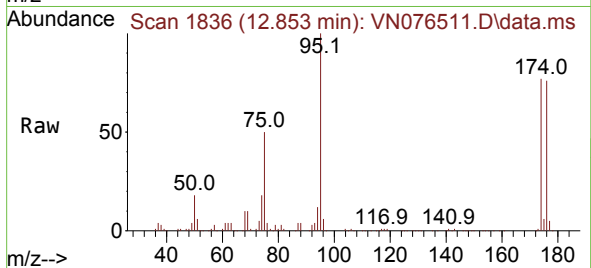




#81
trans-1,4-Dichloro-2-butene
Concen: 78.963 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076511.D
Acq: 02 Feb 2023 15:39

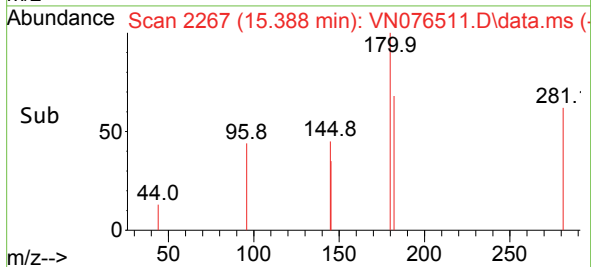
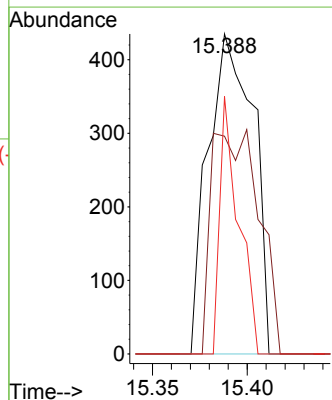
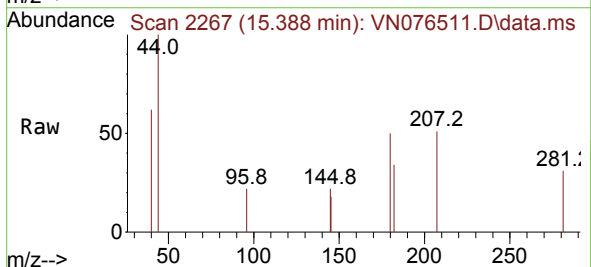
Instrument :
MSVOA_N
ClientSampleId :
JPP-14-013123

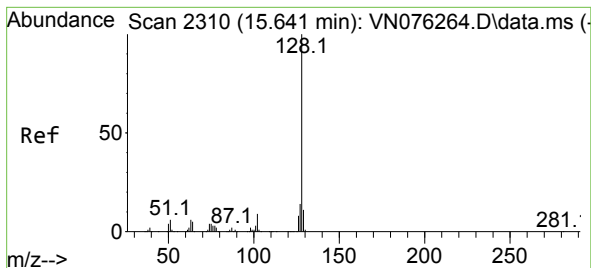
Tgt Ion: 75 Resp: 195888
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.402 ug/l
RT: 15.388 min Scan# 2267
Delta R.T. -0.006 min
Lab File: VN076511.D
Acq: 02 Feb 2023 15:39

Tgt Ion: 180 Resp: 723
Ion Ratio Lower Upper
180 100
182 73.7 47.0 141.2
145 33.3 15.2 45.5





#95

Naphthalene

Concen: 2.036 ug/l

RT: 15.647 min Scan# 2310

Delta R.T. 0.006 min

Lab File: VN076511.D

Acq: 02 Feb 2023 15:39

Instrument :

MSVOA_N

ClientSampleId :

JPP-14-013123

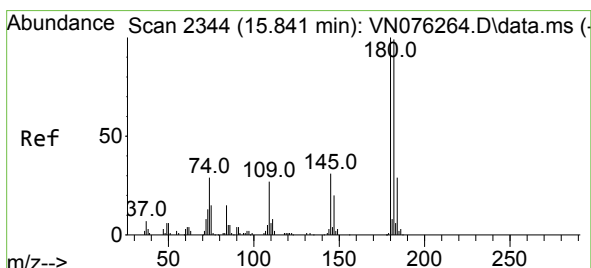
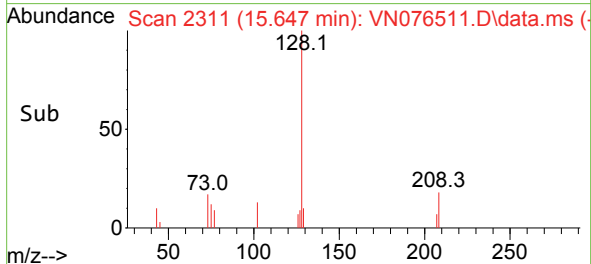
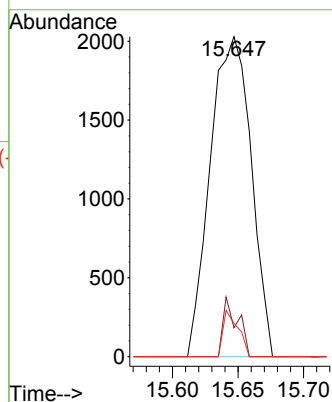
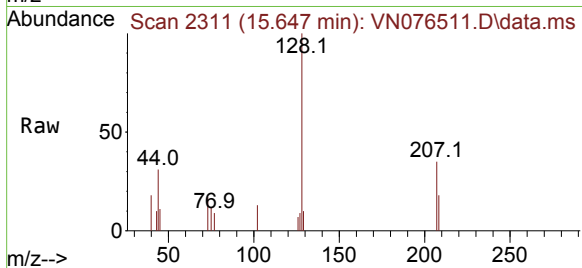
Tgt Ion:128 Resp: 4398

Ion Ratio Lower Upper

128 100

127 6.6 10.3 15.5#

129 5.3 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.285 ug/l

RT: 15.847 min Scan# 2345

Delta R.T. 0.006 min

Lab File: VN076511.D

Acq: 02 Feb 2023 15:39

Tgt Ion:180 Resp: 927

Ion Ratio Lower Upper

180 100

182 77.8 47.5 142.5

145 0.0 15.9 47.6#

