

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101123\
 Data File : VN079529.D
 Acq On : 11 Oct 2023 20:00
 Operator : JC\MD
 Sample : 04833-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 12 06:15:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

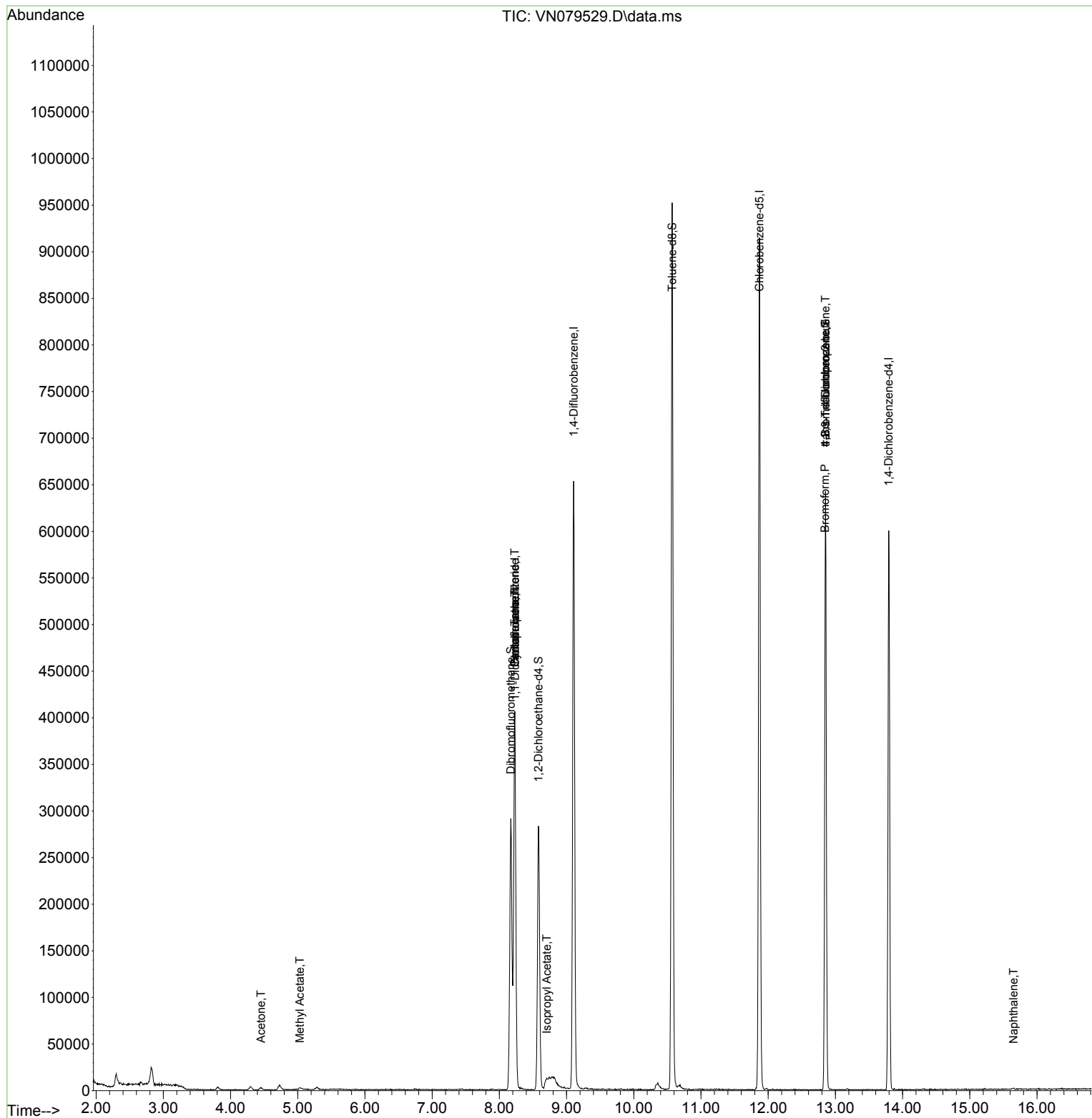
Internal Standards						
1) Pentafluorobenzene	8.230	168	282932	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	549876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	520129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	157974	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	229238	49.970	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.940%
35) Dibromofluoromethane	8.171	113	200232	50.671	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.340%
50) Toluene-d8	10.571	98	645983	45.180	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.360%
62) 4-Bromofluorobenzene	12.853	95	211358	46.062	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.120%
Target Compounds						
					Qvalue	
16) Acetone	4.453	43	4722	2.595	ug/l #	78
18) Methyl Acetate	5.030	43	4984	0.560	ug/l #	59
20) Methylene Chloride	5.289	84	1928	Below Cal	#	80
31) Cyclohexane	8.230	56	7451	1.145	ug/l #	53
36) 1,1-Dichloropropene	8.235	75	24925	4.203	ug/l #	47
38) Carbon Tetrachloride	8.230	117	31018	5.224	ug/l #	15
43) Isopropyl Acetate	8.706	43	13946	1.349	ug/l #	49
71) Bromoform	12.847	173	1622	0.523	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.870	83	62	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	118634	26.046	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	118634	75.573	ug/l #	15
95) Naphthalene	15.653	128	1397	0.265	ug/l #	70

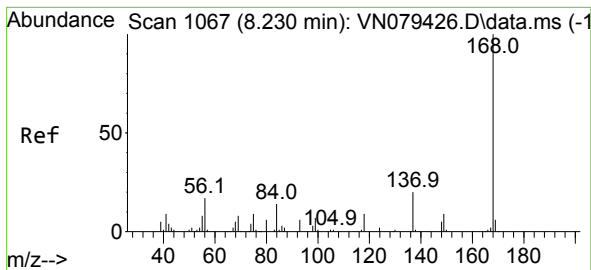
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079529.D

Acq: 11 Oct 2023 20:00

Instrument :

MSVOA_N

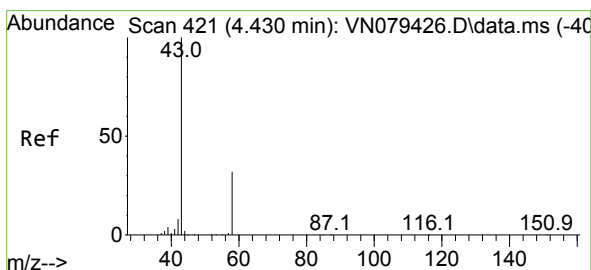
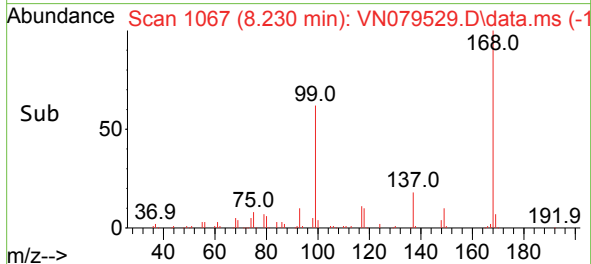
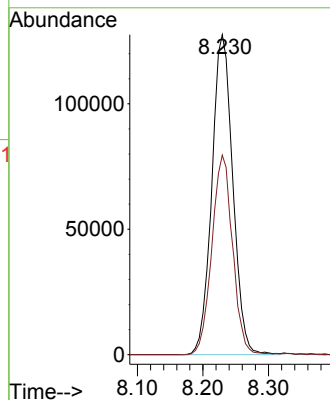
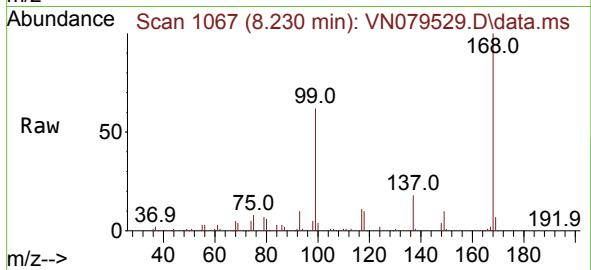
ClientSampleId :

Tgt Ion:168 Resp: 282932

Ion Ratio Lower Upper

168 100

99 62.4 53.0 79.6



#16

Acetone

Concen: 2.595 ug/l

RT: 4.453 min Scan# 425

Delta R.T. 0.023 min

Lab File: VN079529.D

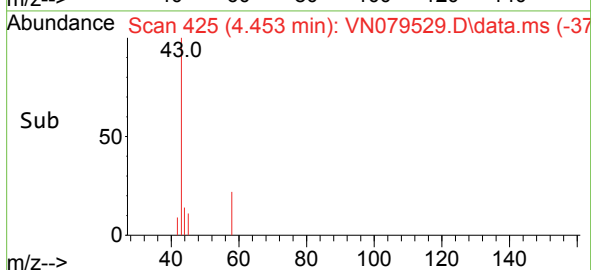
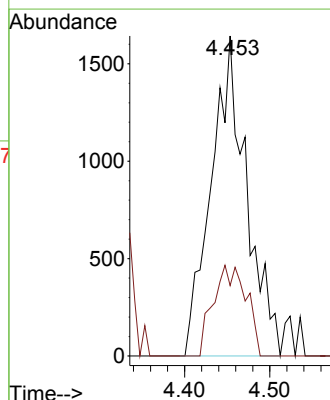
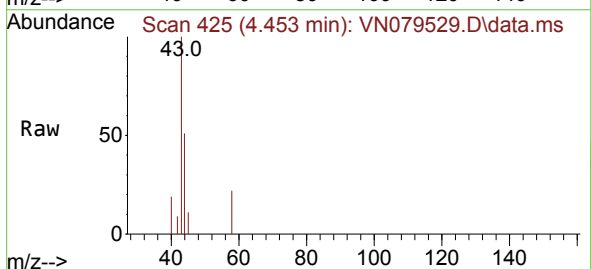
Acq: 11 Oct 2023 20:00

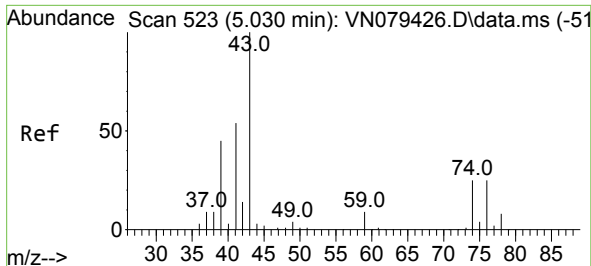
Tgt Ion: 43 Resp: 4722

Ion Ratio Lower Upper

43 100

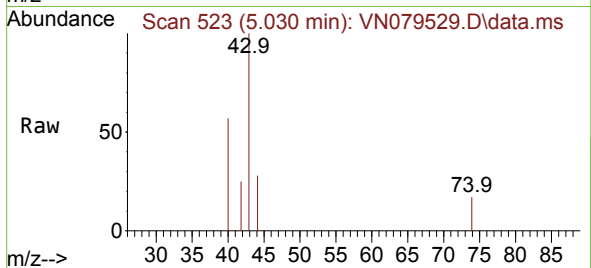
58 22.0 28.0 42.0#



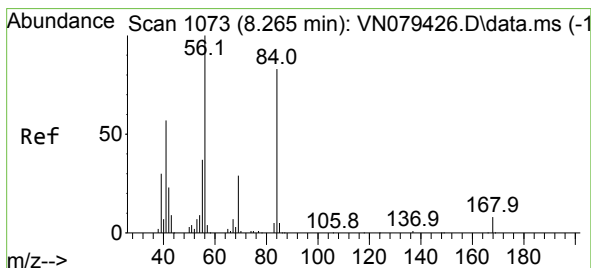
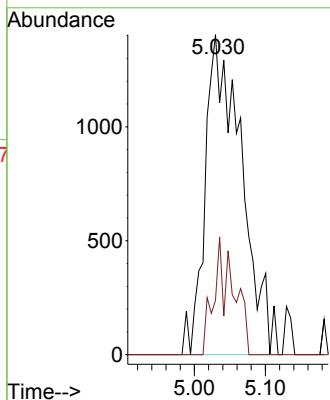
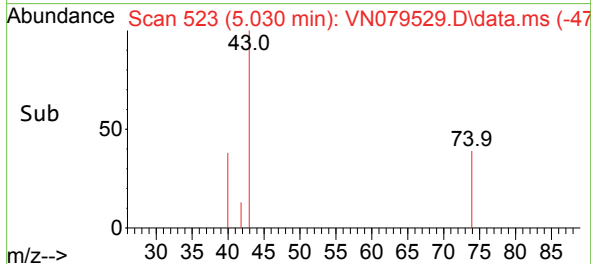


#18
Methyl Acetate
Concen: 0.560 ug/l
RT: 5.030 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079529.D
Acq: 11 Oct 2023 20:00

Instrument :
MSVOA_N
ClientSampleId :

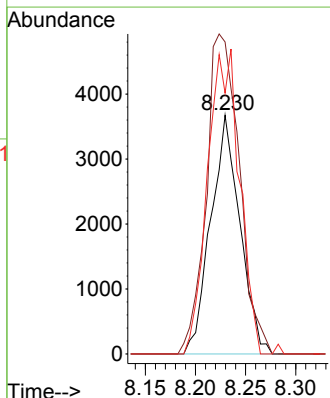
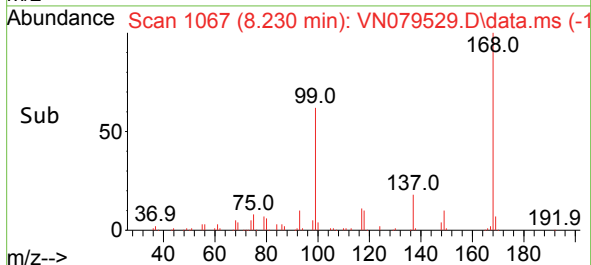
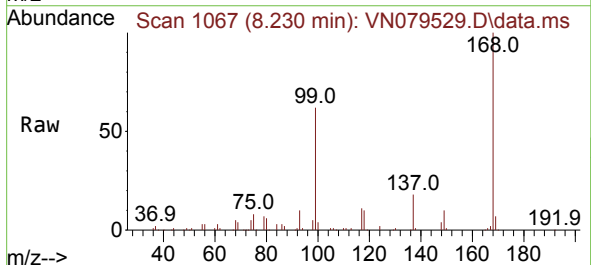


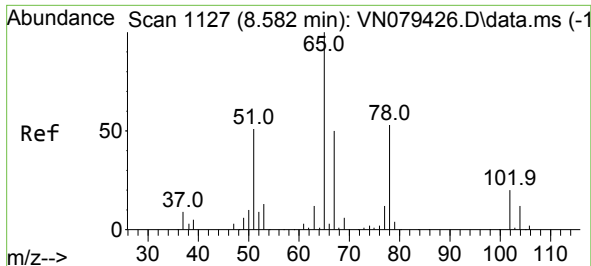
Tgt Ion: 43 Resp: 4984
Ion Ratio Lower Upper
43 100
74 9.6 26.2 39.4#



#31
Cyclohexane
Concen: 1.145 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079529.D
Acq: 11 Oct 2023 20:00

Tgt Ion: 56 Resp: 7451
Ion Ratio Lower Upper
56 100
69 130.7 26.8 40.2#
84 109.3 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 49.970 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079529.D

Acq: 11 Oct 2023 20:00

Instrument :

MSVOA_N

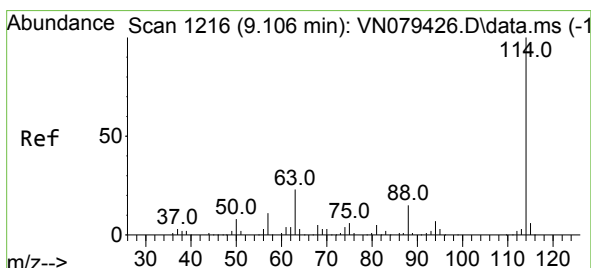
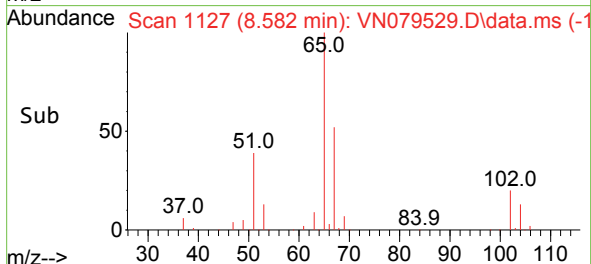
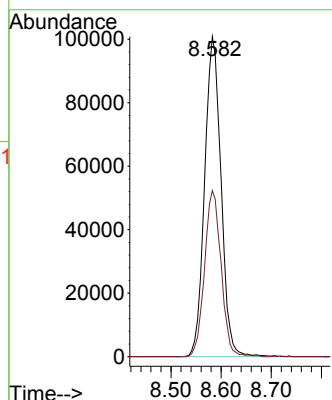
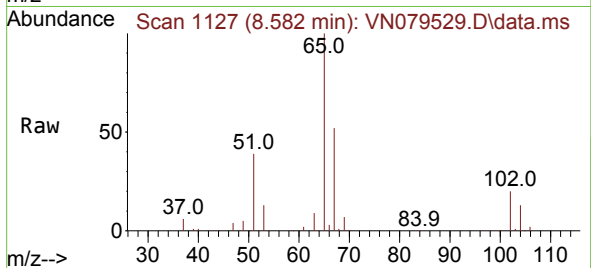
ClientSampleId :

Tgt Ion: 65 Resp: 229238

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN079529.D

Acq: 11 Oct 2023 20:00

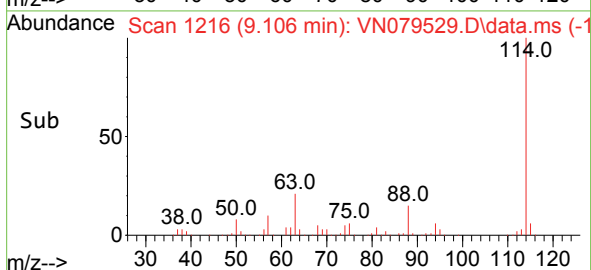
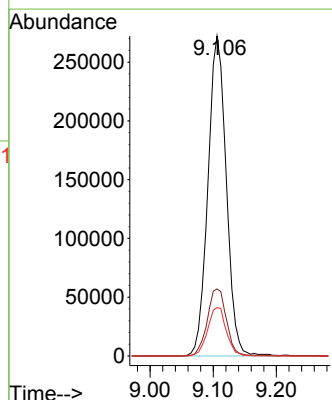
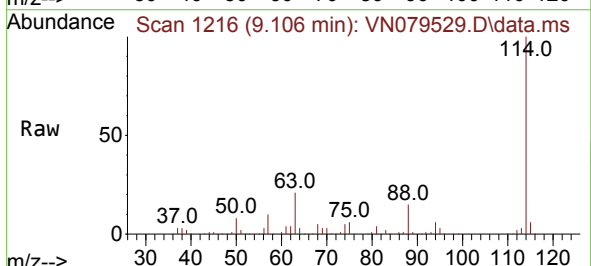
Tgt Ion: 114 Resp: 549876

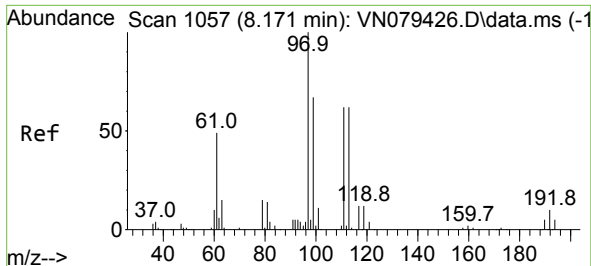
Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.4

88 15.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.671 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

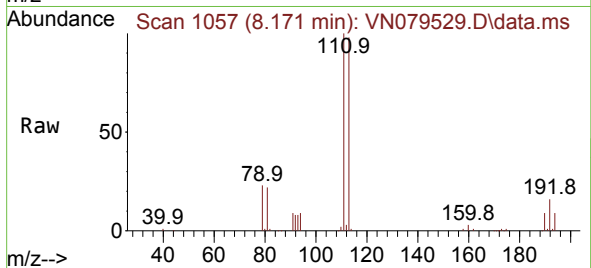
Lab File: VN079529.D

Acq: 11 Oct 2023 20:00

Instrument :

MSVOA_N

ClientSampleId :



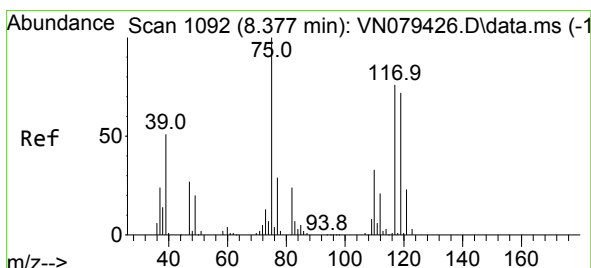
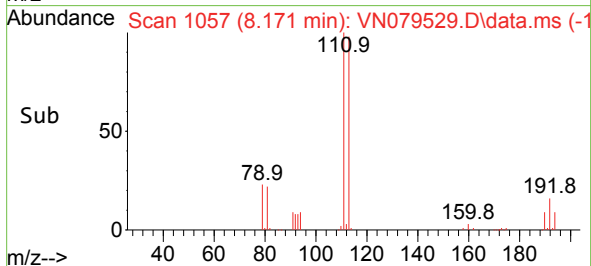
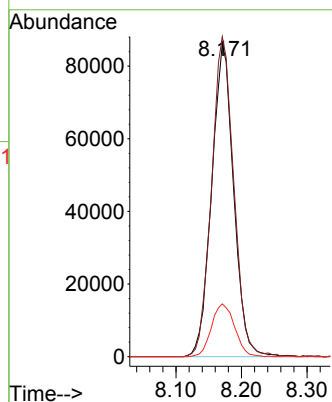
Tgt Ion:113 Resp: 200232

Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

192 17.8 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.203 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN079529.D

Acq: 11 Oct 2023 20:00

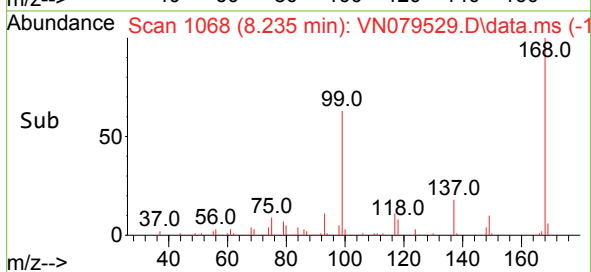
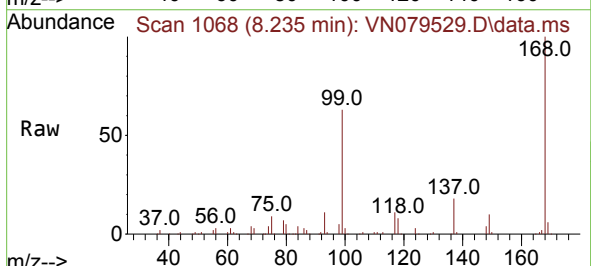
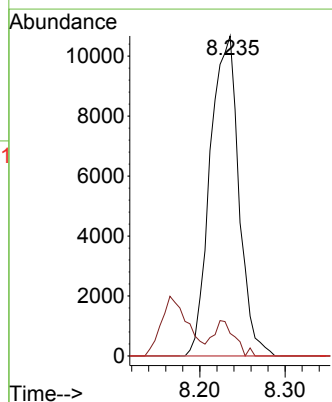
Tgt Ion: 75 Resp: 24925

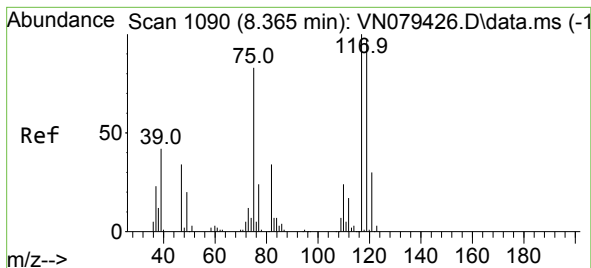
Ion Ratio Lower Upper

75 100

110 8.2 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.224 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.135 min

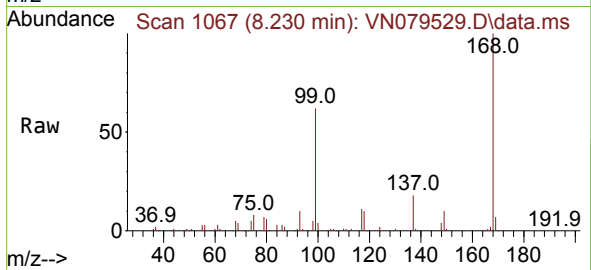
Lab File: VN079529.D

Acq: 11 Oct 2023 20:00

Instrument :

MSVOA_N

ClientSampleId :



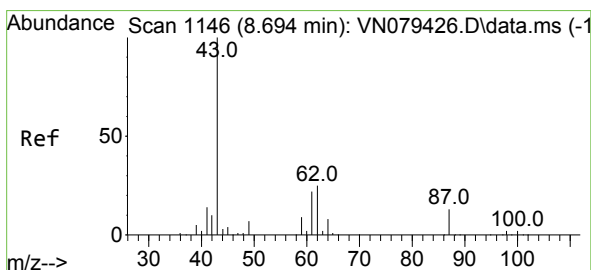
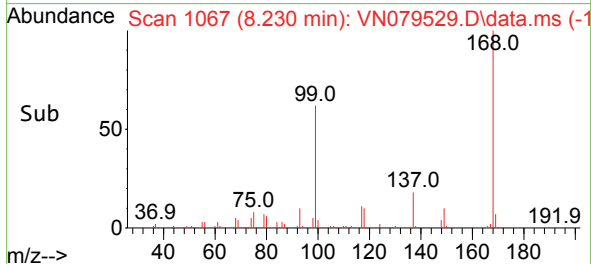
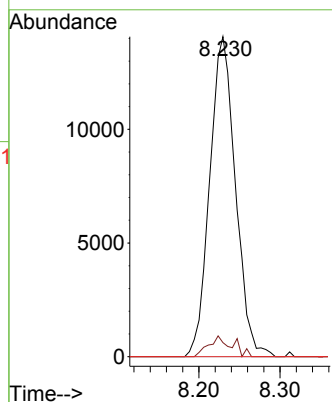
Tgt Ion:117 Resp: 31018

Ion Ratio Lower Upper

117 100

119 4.4 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 1.349 ug/l

RT: 8.706 min Scan# 1148

Delta R.T. 0.012 min

Lab File: VN079529.D

Acq: 11 Oct 2023 20:00

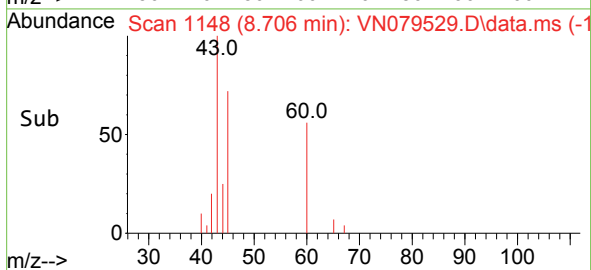
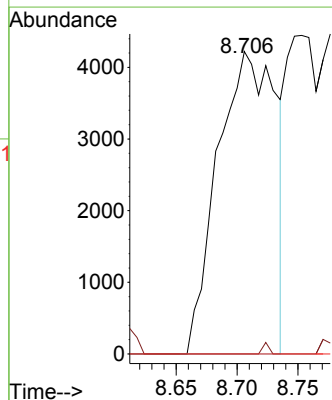
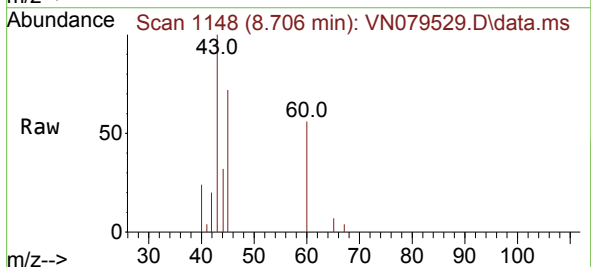
Tgt Ion: 43 Resp: 13946

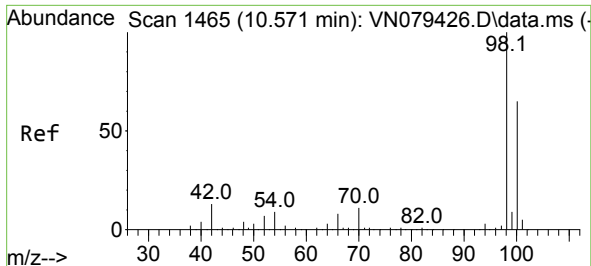
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#

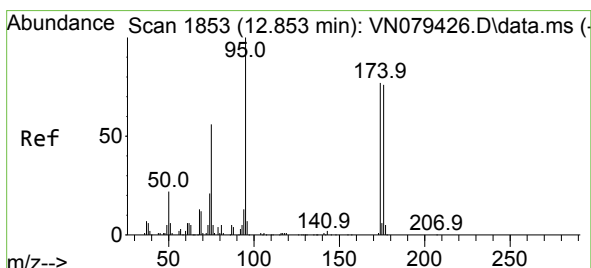
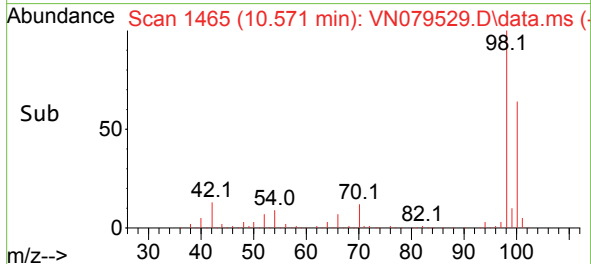
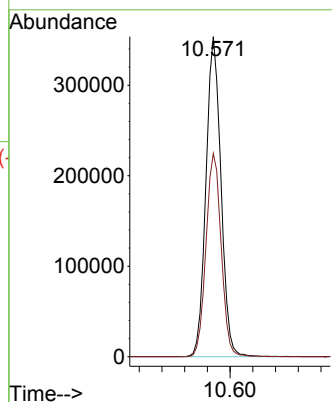
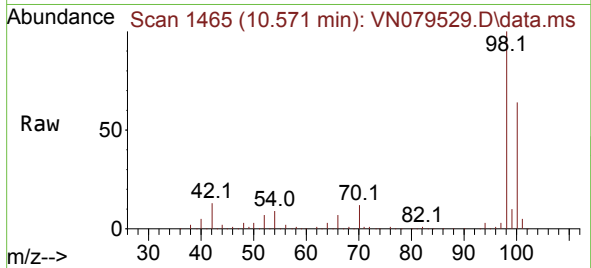




#50
Toluene-d8
Concen: 45.180 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079529.D
Acq: 11 Oct 2023 20:00

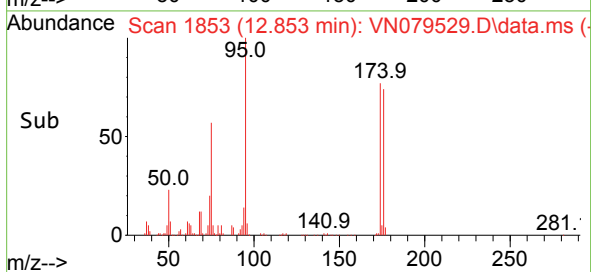
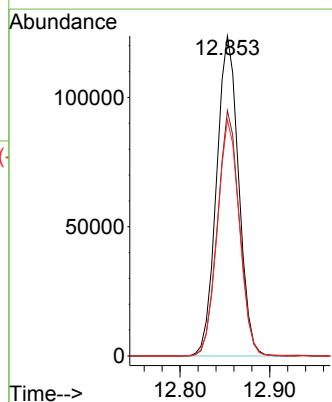
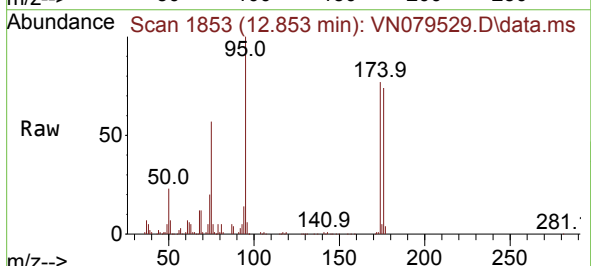
Instrument :
MSVOA_N
ClientSampleId :

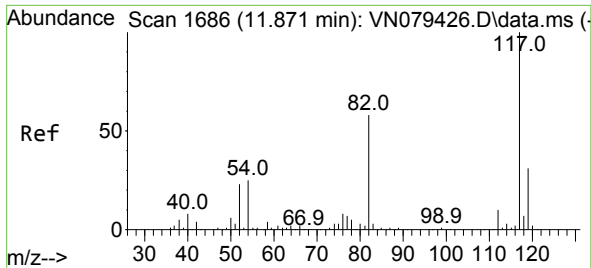
Tgt Ion: 98 Resp: 645983
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 46.062 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079529.D
Acq: 11 Oct 2023 20:00

Tgt Ion: 95 Resp: 211358
Ion Ratio Lower Upper
95 100
174 76.0 0.0 143.8
176 73.8 0.0 135.8

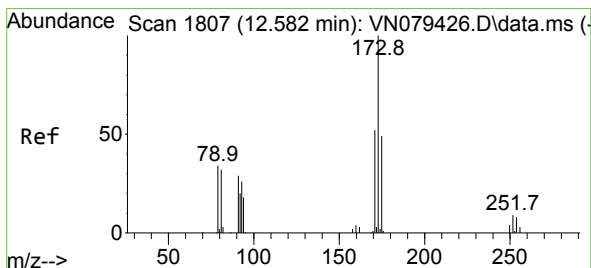
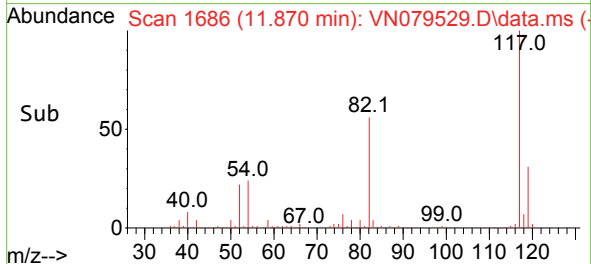
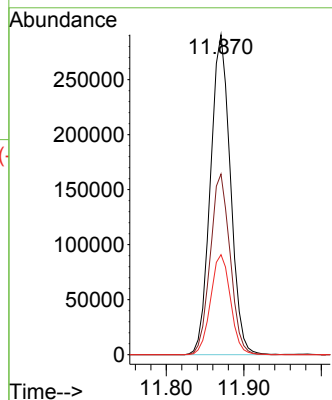
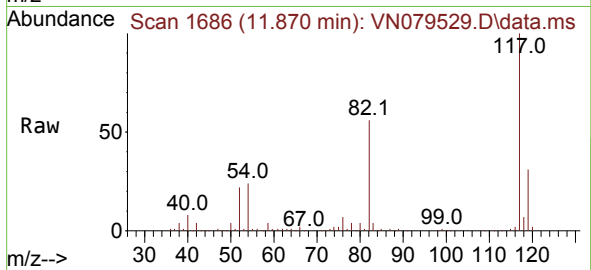




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079529.D
Acq: 11 Oct 2023 20:00

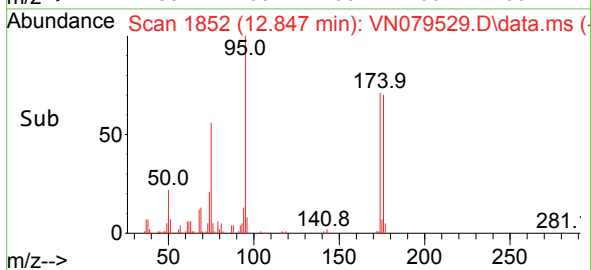
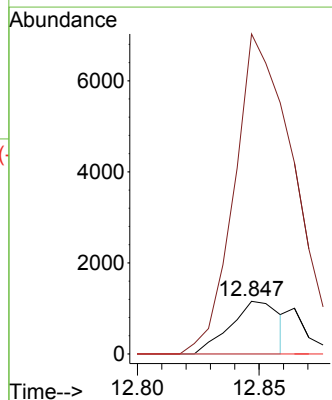
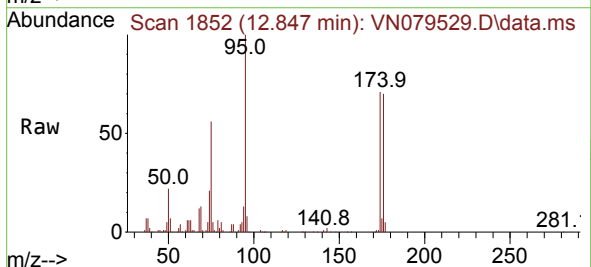
Instrument :
MSVOA_N
ClientSampleId :

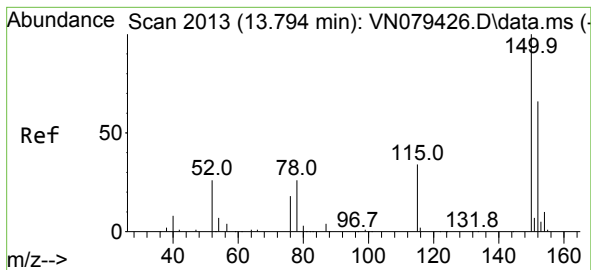
Tgt Ion:117 Resp: 520129
Ion Ratio Lower Upper
117 100
82 56.5 44.0 66.0
119 31.3 25.6 38.4



#71
Bromoform
Concen: 0.523 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN079529.D
Acq: 11 Oct 2023 20:00

Tgt Ion:173 Resp: 1622
Ion Ratio Lower Upper
173 100
175 560.5 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN079529.D

Acq: 11 Oct 2023 20:00

Instrument :

MSVOA_N

ClientSampleId :

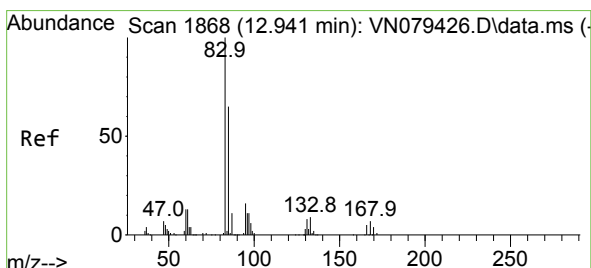
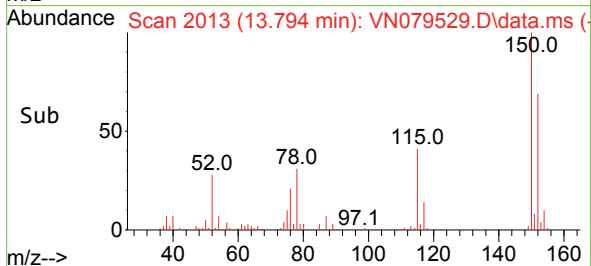
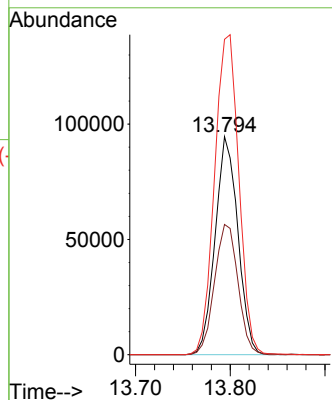
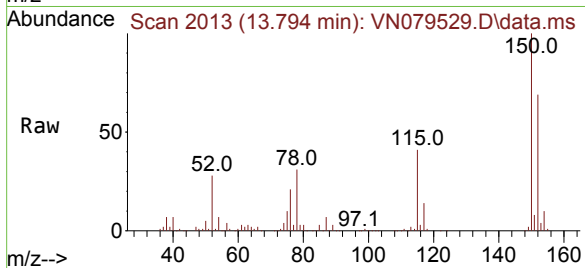
Tgt Ion:152 Resp: 157974

Ion Ratio Lower Upper

152 100

115 61.6 32.3 96.8

150 156.4 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.870 min Scan# 1856

Delta R.T. -0.071 min

Lab File: VN079529.D

Acq: 11 Oct 2023 20:00

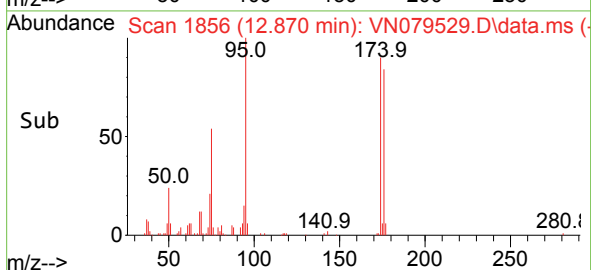
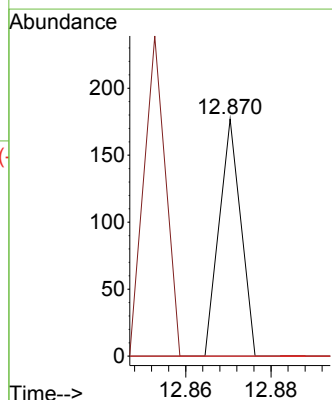
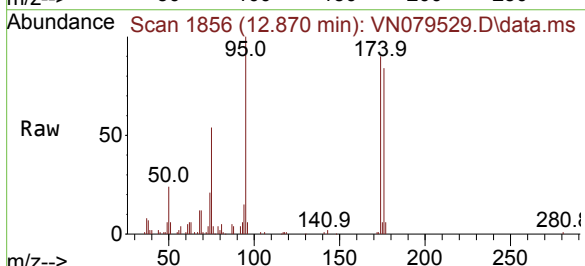
Tgt Ion: 83 Resp: 62

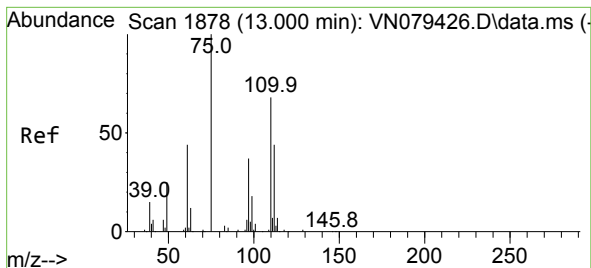
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 26.046 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079529.D

Acq: 11 Oct 2023 20:00

Instrument :

MSVOA_N

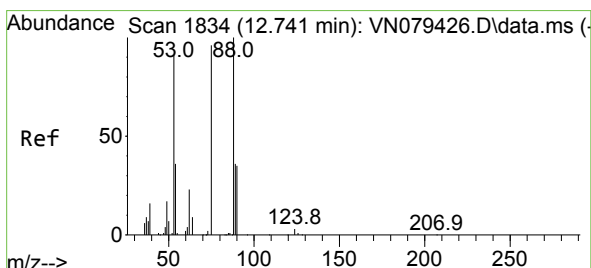
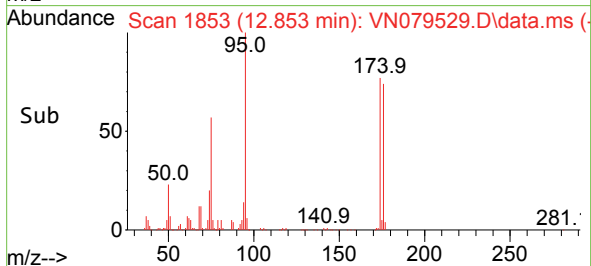
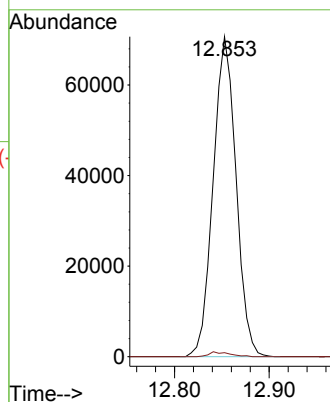
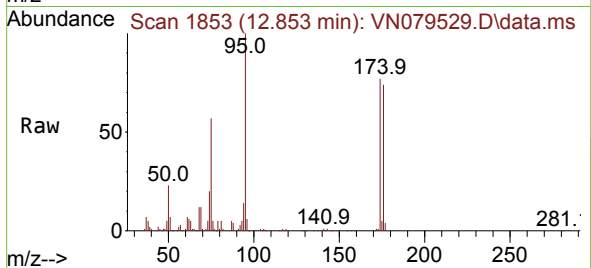
ClientSampleId :

Tgt Ion: 75 Resp: 118634

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.573 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079529.D

Acq: 11 Oct 2023 20:00

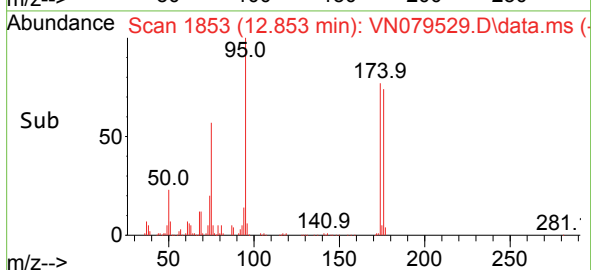
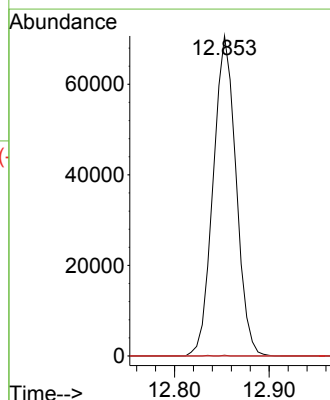
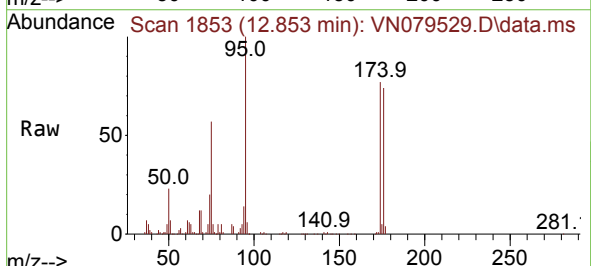
Tgt Ion: 75 Resp: 118634

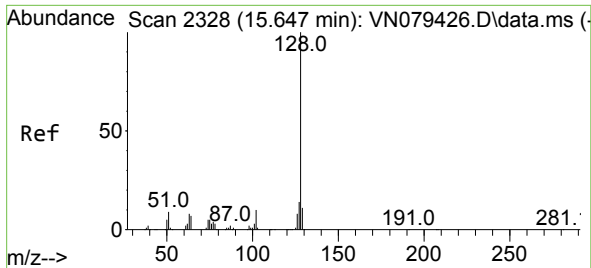
Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

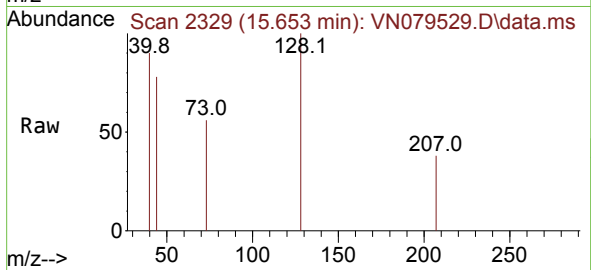
89 0.0 38.8 58.2#





#95
 Naphthalene
 Concen: 0.265 ug/l
 RT: 15.653 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN079529.D
 Acq: 11 Oct 2023 20:00

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:128 Resp: 1397
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.0 15.0#
 129 0.0 8.7 13.1#

