

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091823\
 Data File : VN079293.D
 Acq On : 18 Sep 2023 18:25
 Operator : JC\MD
 Sample : 04436-22RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 01:27:12 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)

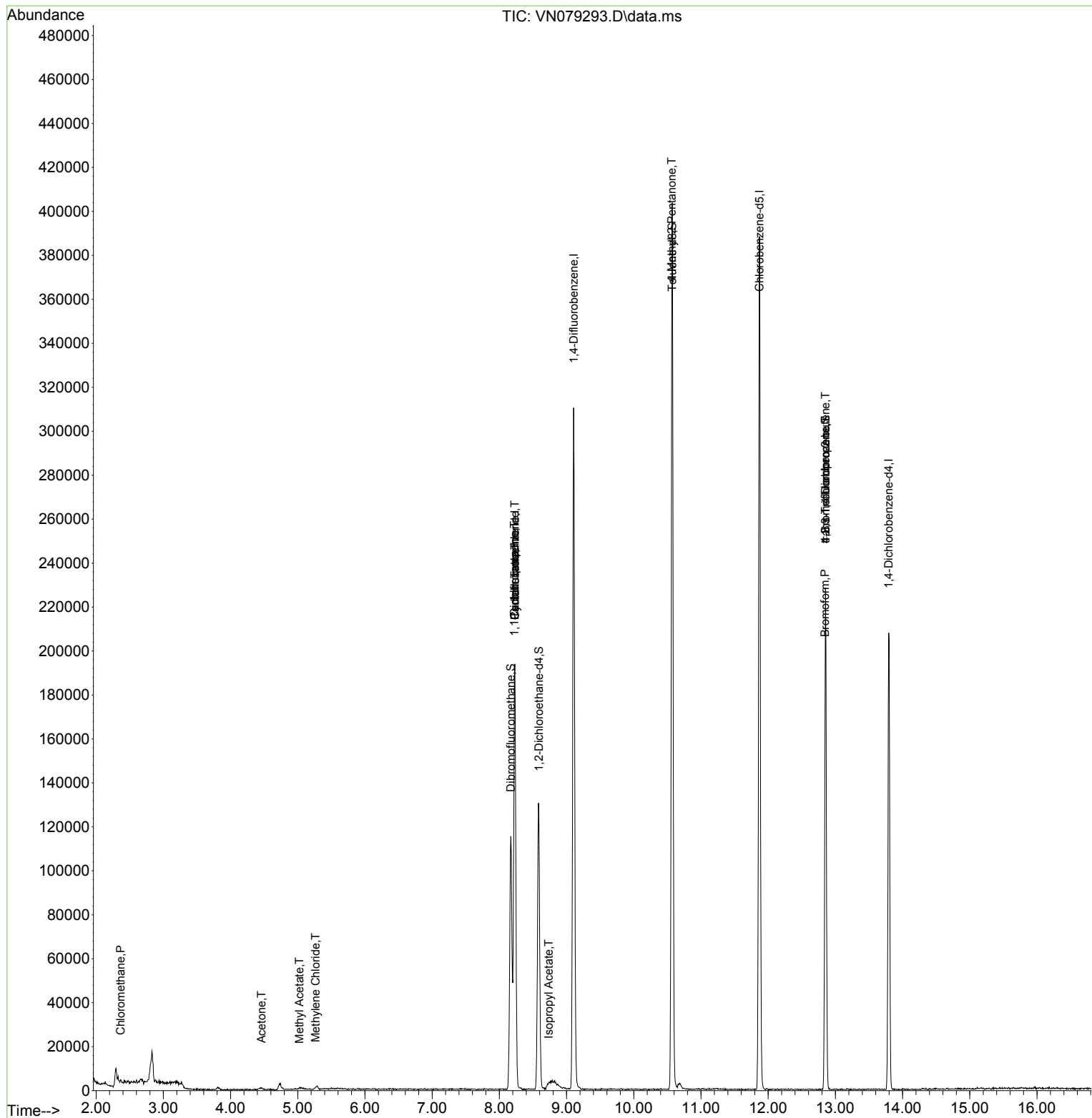
Internal Standards						
1) Pentafluorobenzene	8.230	168	133430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	254700	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	215471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	55108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	104587	58.066	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	116.140%
35) Dibromofluoromethane	8.171	113	82950	48.961	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.920%
50) Toluene-d8	10.571	98	274088	44.059	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	88.120%
62) 4-Bromofluorobenzene	12.853	95	76880	38.743	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	77.480%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	866	0.500	ug/l #	69
6) Chloroethane	3.118	64	147	Below Cal	#	43
16) Acetone	4.459	43	1877	2.454	ug/l #	69
18) Methyl Acetate	5.024	43	837	0.266	ug/l #	57
20) Methylene Chloride	5.265	84	515	0.277	ug/l #	30
31) Cyclohexane	8.230	56	3964	1.507	ug/l #	62
36) 1,1-Dichloropropene	8.224	75	13097	5.015	ug/l #	48
38) Carbon Tetrachloride	8.230	117	15026	5.560	ug/l #	18
43) Isopropyl Acetate	8.735	43	2450	0.576	ug/l #	49
51) 4-Methyl-2-Pentanone	10.565	43	1529	0.620	ug/l #	1
71) Bromoform	12.847	173	544	0.403	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	41657	28.047	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	41657	77.108	ug/l #	15

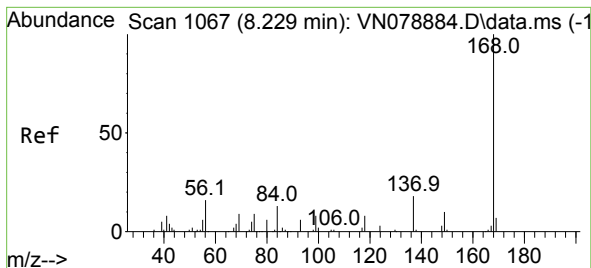
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN079293.D

Acq: 18 Sep 2023 18:25

Instrument :

MSVOA_N

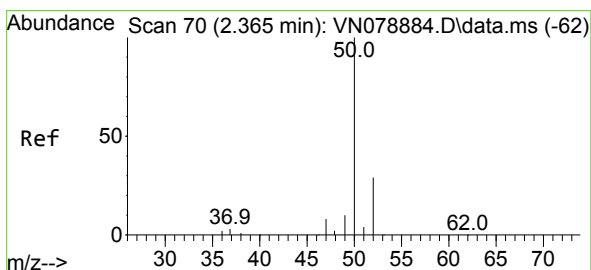
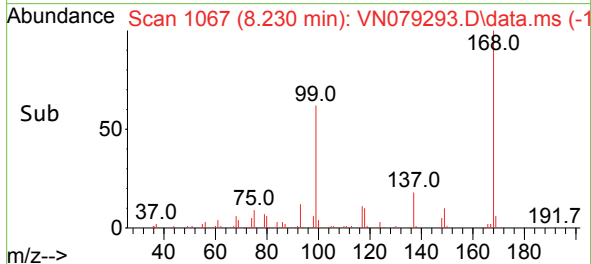
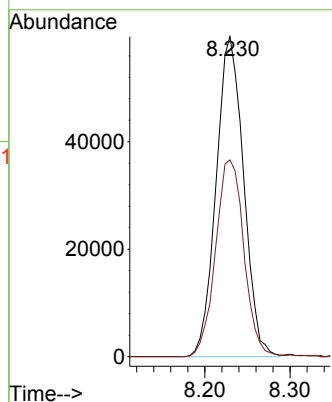
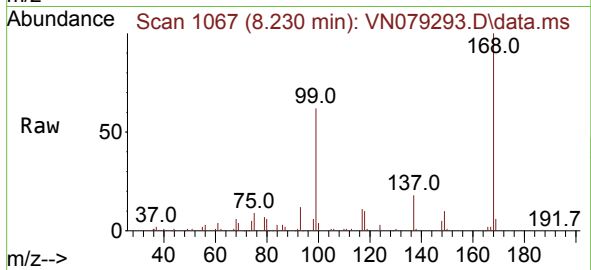
ClientSampleId :

Tgt Ion:168 Resp: 133430

Ion Ratio Lower Upper

168 100

99 61.5 53.0 79.6



#3

Chloromethane

Concen: 0.500 ug/l

RT: 2.365 min Scan# 70

Delta R.T. -0.006 min

Lab File: VN079293.D

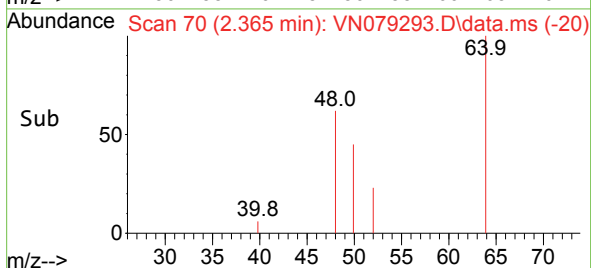
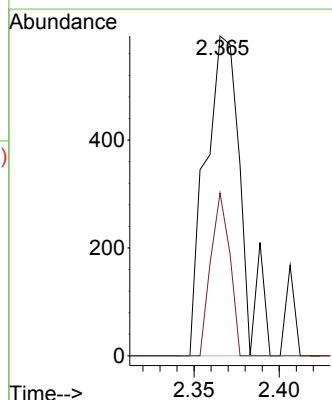
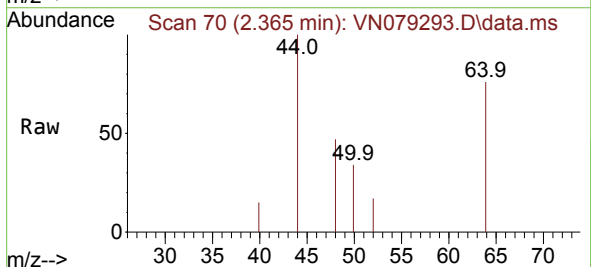
Acq: 18 Sep 2023 18:25

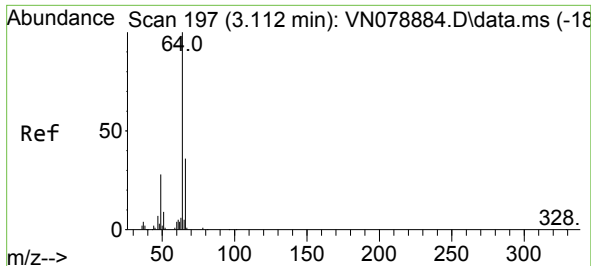
Tgt Ion: 50 Resp: 866

Ion Ratio Lower Upper

50 100

52 50.9 26.5 39.7#

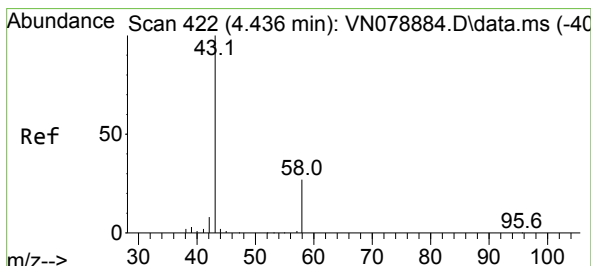
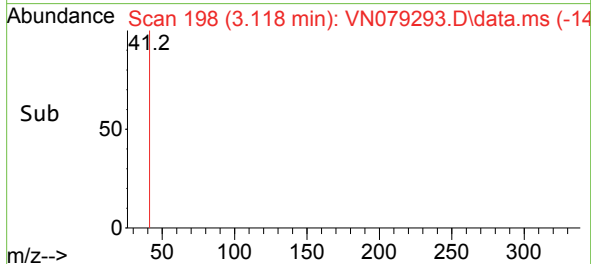
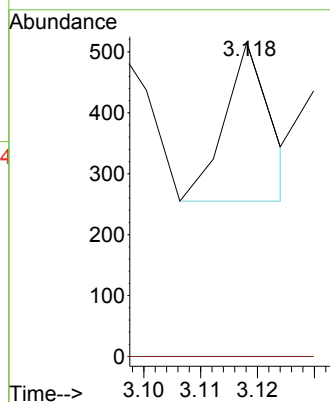
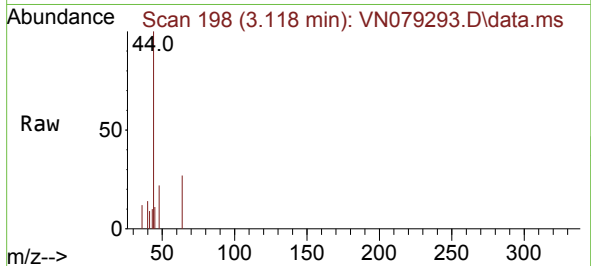




#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 197
Delta R.T. 0.000 min
Lab File: VN079293.D
Acq: 18 Sep 2023 18:25

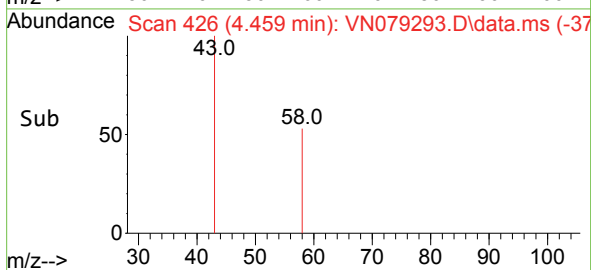
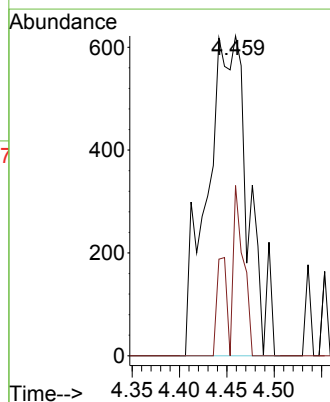
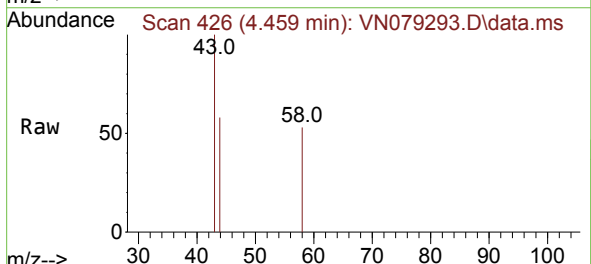
Instrument :
MSVOA_N
ClientSampleId :

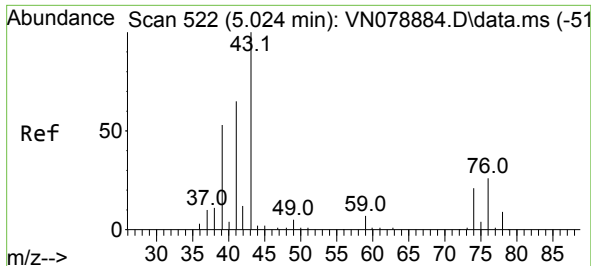
Tgt Ion: 64 Resp: 147
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#16
Acetone
Concen: 2.454 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.017 min
Lab File: VN079293.D
Acq: 18 Sep 2023 18:25

Tgt Ion: 43 Resp: 1877
Ion Ratio Lower Upper
43 100
58 53.2 28.0 42.0#

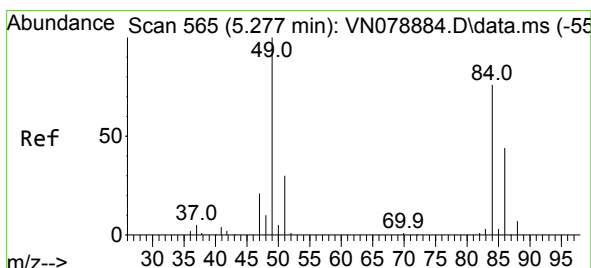
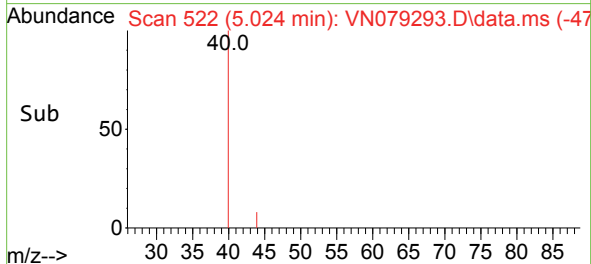
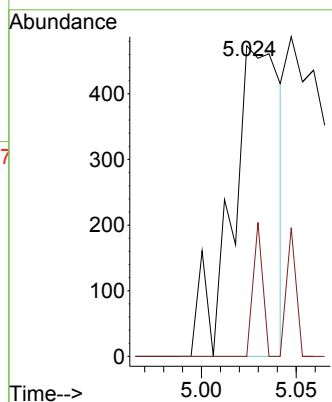
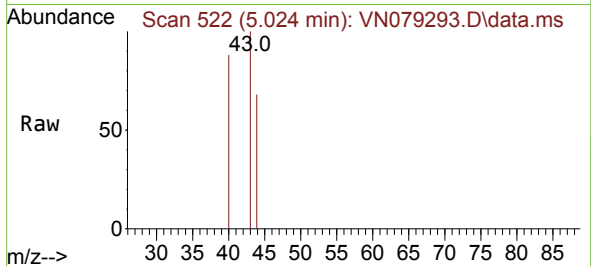




#18
Methyl Acetate
Concen: 0.266 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN079293.D
Acq: 18 Sep 2023 18:25

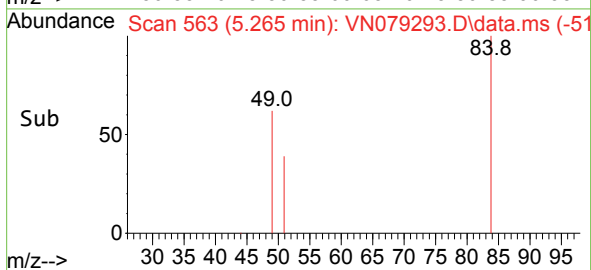
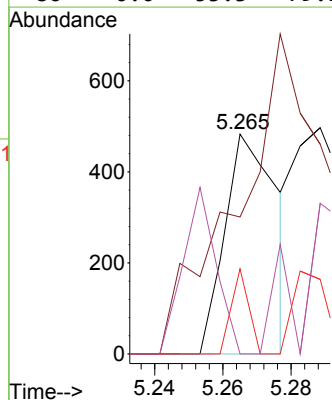
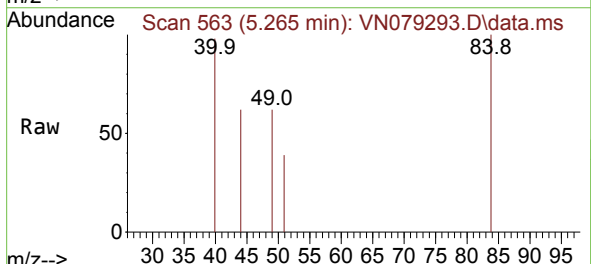
Instrument :
MSVOA_N
ClientSampleId :

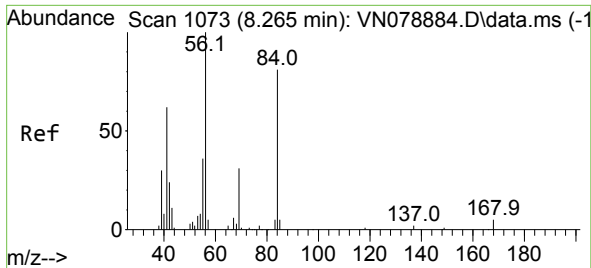
Tgt Ion: 43 Resp: 837
Ion Ratio Lower Upper
43 100
74 8.6 26.2 39.4#



#20
Methylene Chloride
Concen: 0.277 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.018 min
Lab File: VN079293.D
Acq: 18 Sep 2023 18:25

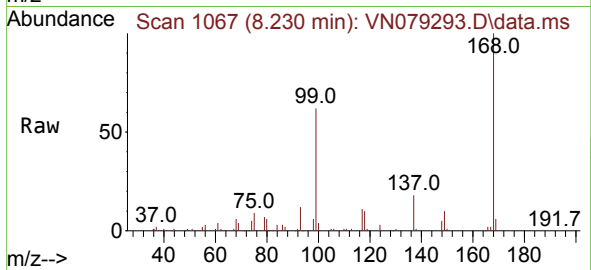
Tgt Ion: 84 Resp: 515
Ion Ratio Lower Upper
84 100
49 21.1 79.7 119.5#
51 38.7 25.2 37.8#
86 0.0 53.3 79.9#



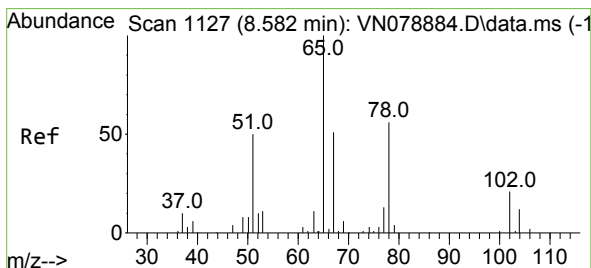
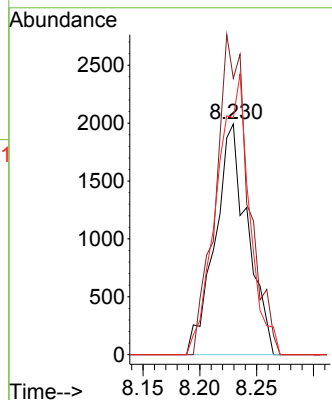
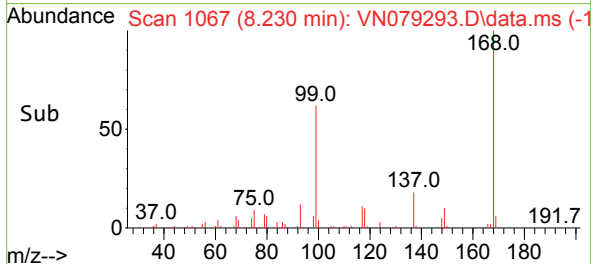


#31
Cyclohexane
Concen: 1.507 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079293.D
Acq: 18 Sep 2023 18:25

Instrument :
MSVOA_N
ClientSampleId :

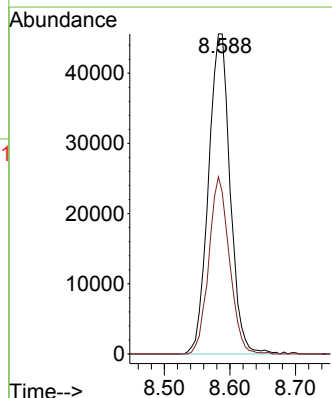
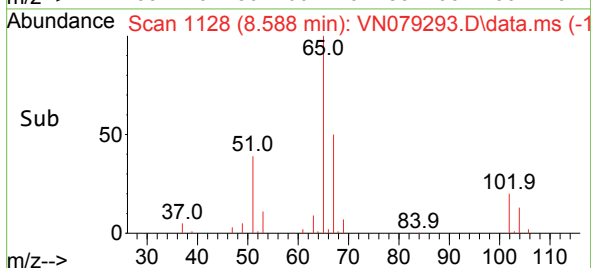
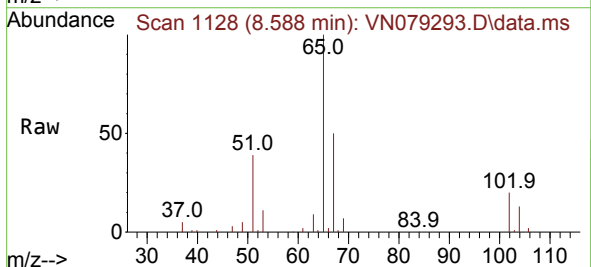


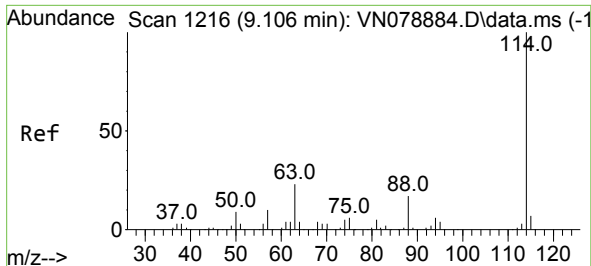
Tgt Ion: 56 Resp: 3964
Ion Ratio Lower Upper
56 100
69 119.8 26.8 40.2#
84 102.7 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 58.066 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN079293.D
Acq: 18 Sep 2023 18:25

Tgt Ion: 65 Resp: 104587
Ion Ratio Lower Upper
65 100
67 52.7 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: VN079293.D

Acq: 18 Sep 2023 18:25

Instrument :

MSVOA_N

ClientSampleId :

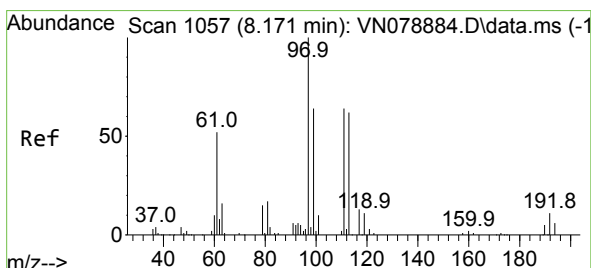
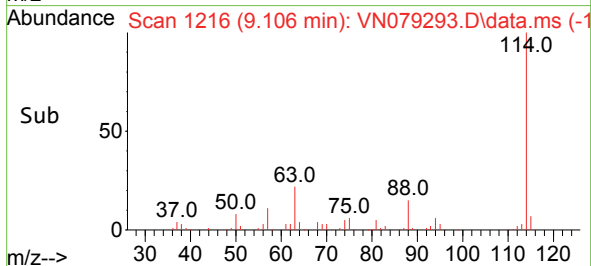
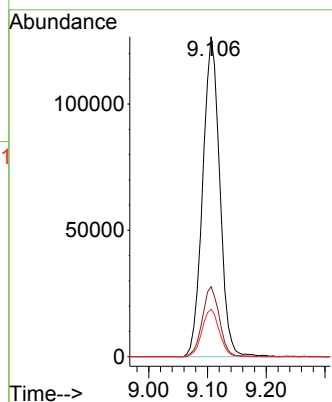
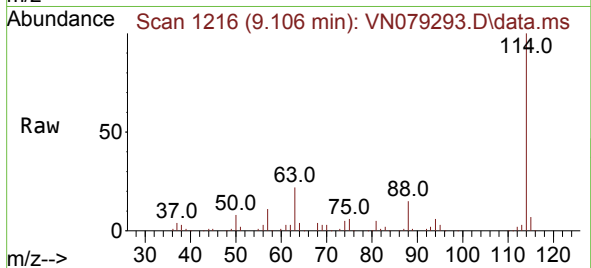
Tgt Ion:114 Resp: 254700

Ion Ratio Lower Upper

114 100

63 21.9 0.0 36.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.961 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079293.D

Acq: 18 Sep 2023 18:25

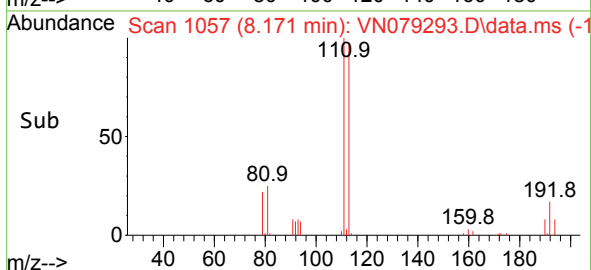
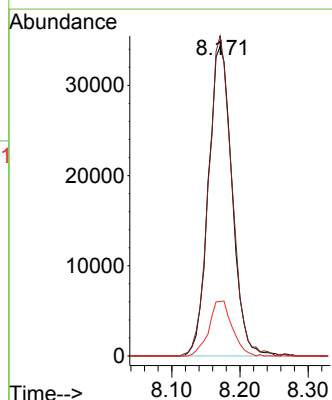
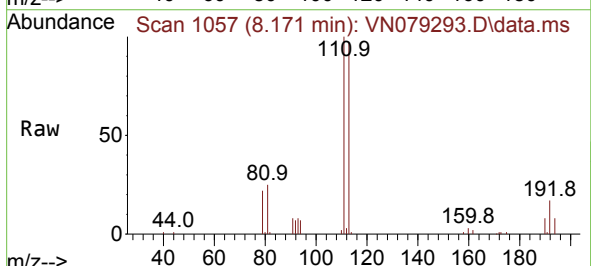
Tgt Ion:113 Resp: 82950

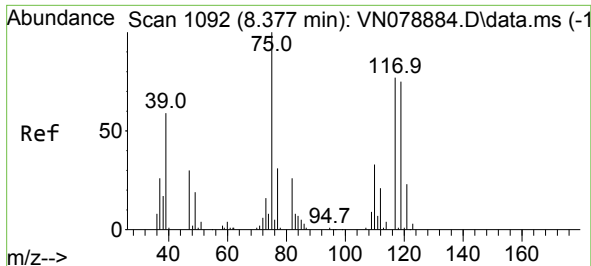
Ion Ratio Lower Upper

113 100

111 101.4 82.6 123.8

192 17.5 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.015 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

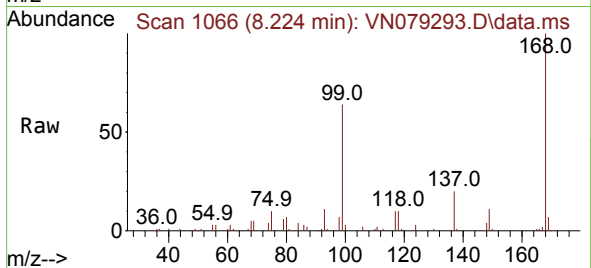
Lab File: VN079293.D

Acq: 18 Sep 2023 18:25

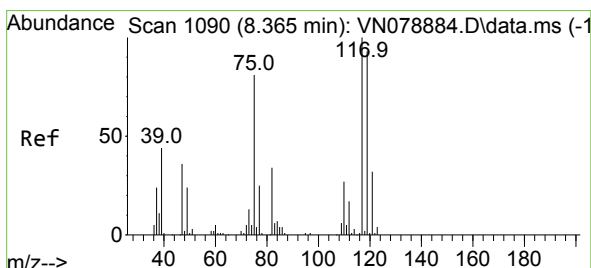
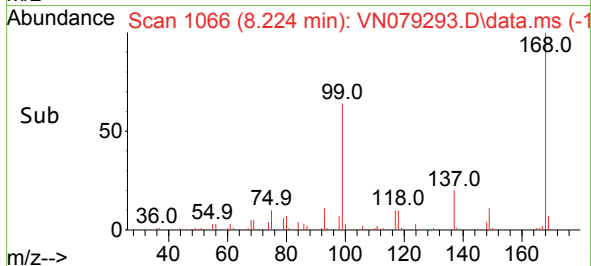
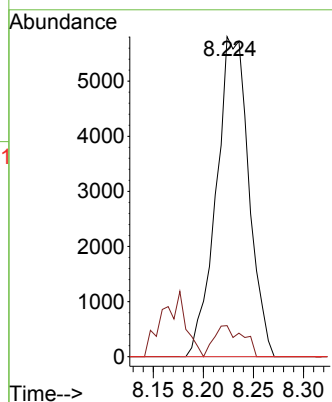
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 13097
Ion Ratio	Lower Upper
75	100
110	8.6 19.1 57.3#
77	0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.560 ug/l

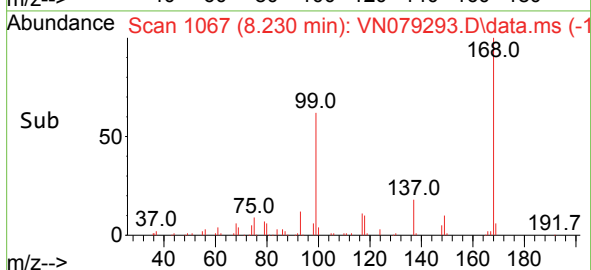
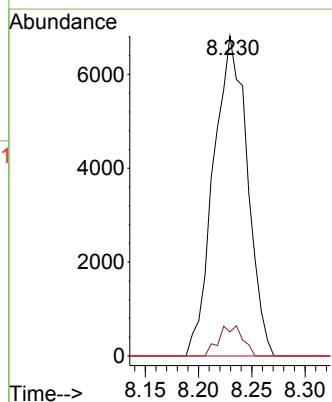
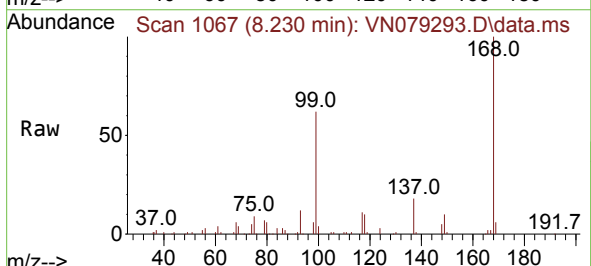
RT: 8.230 min Scan# 1067

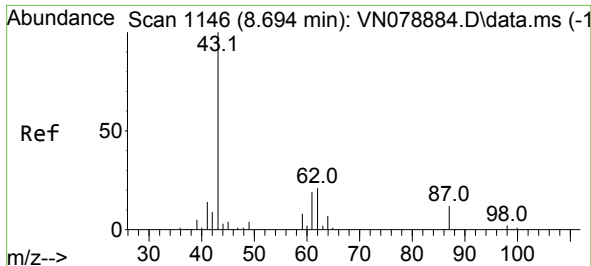
Delta R.T. -0.141 min

Lab File: VN079293.D

Acq: 18 Sep 2023 18:25

Tgt Ion: 117	Resp: 15026
Ion Ratio	Lower Upper
117	100
119	7.5 77.3 115.9#
121	0.0 23.3 34.9#

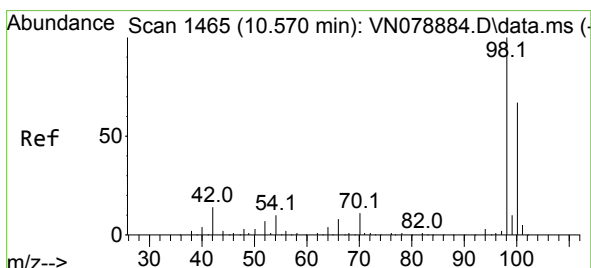
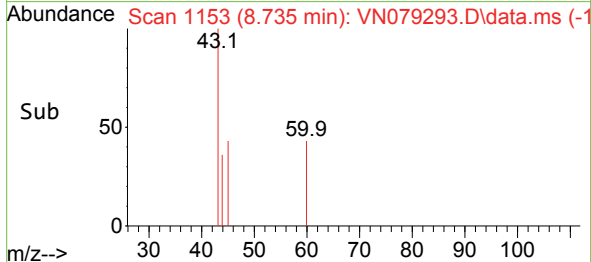
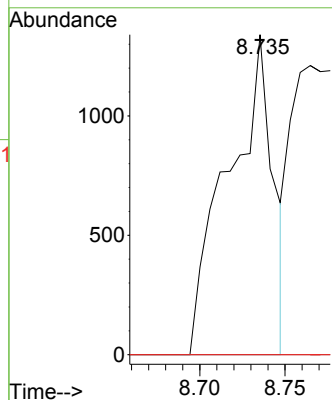
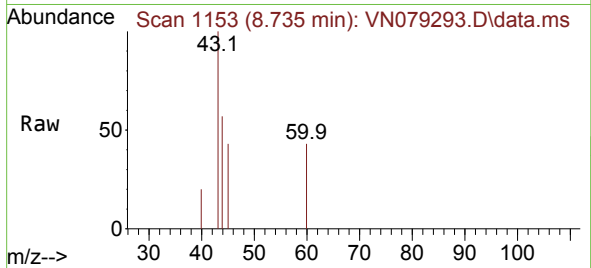




#43
Isopropyl Acetate
Concen: 0.576 ug/l
RT: 8.735 min Scan# 1146
Delta R.T. 0.041 min
Lab File: VN079293.D
Acq: 18 Sep 2023 18:25

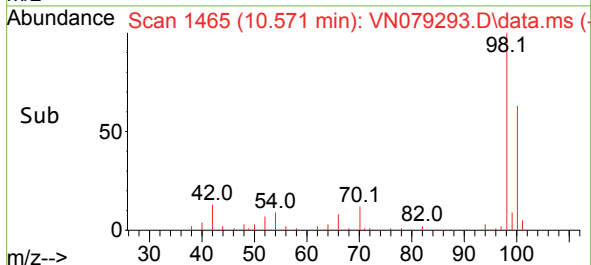
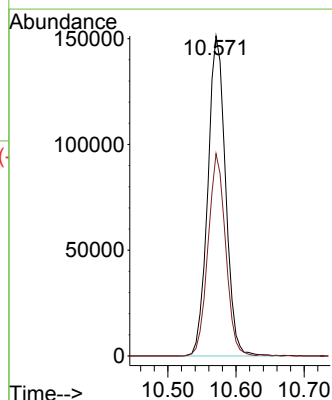
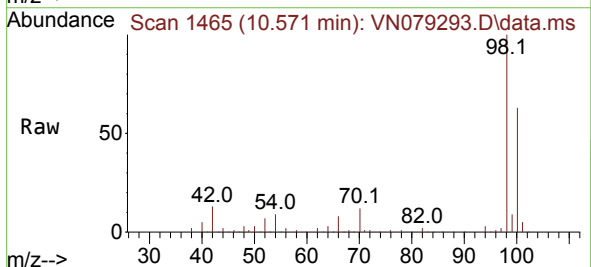
Instrument :
MSVOA_N
ClientSampleId :

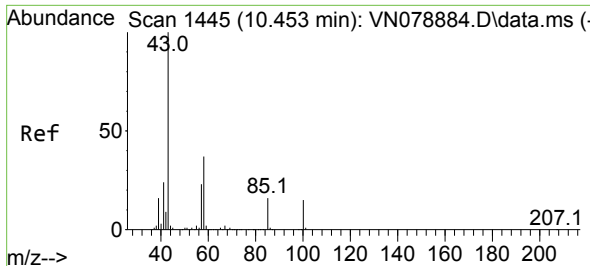
Tgt Ion: 43 Resp: 2450
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 44.059 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079293.D
Acq: 18 Sep 2023 18:25

Tgt Ion: 98 Resp: 274088
Ion Ratio Lower Upper
98 100
100 62.6 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.620 ug/l

RT: 10.565 min Scan# 14

Delta R.T. 0.112 min

Lab File: VN079293.D

Acq: 18 Sep 2023 18:25

Instrument :

MSVOA_N

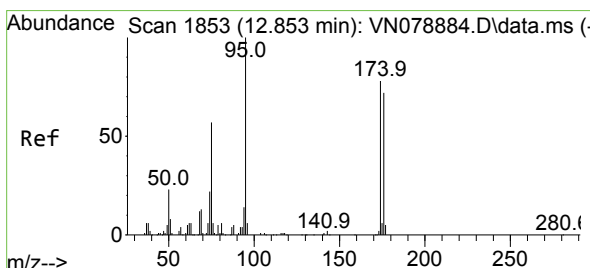
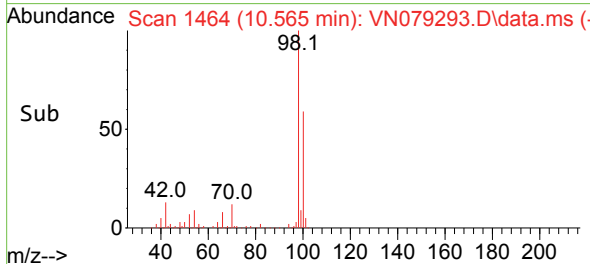
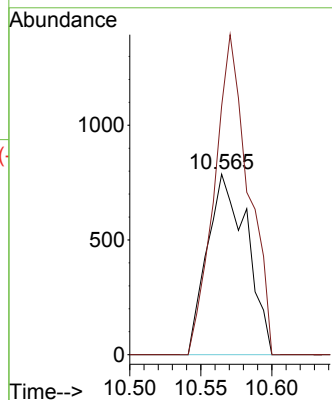
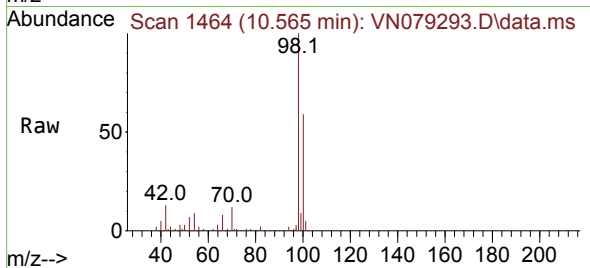
ClientSampleId :

Tgt Ion: 43 Resp: 1529

Ion Ratio Lower Upper

43 100

58 152.5 36.6 54.8#



#62

4-Bromofluorobenzene

Concen: 38.743 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN079293.D

Acq: 18 Sep 2023 18:25

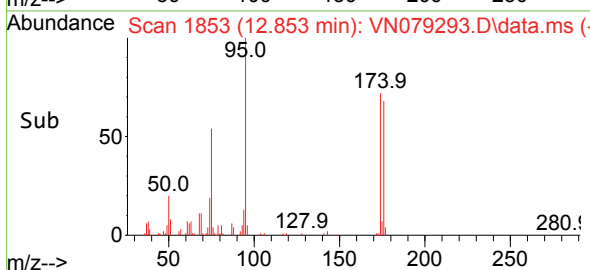
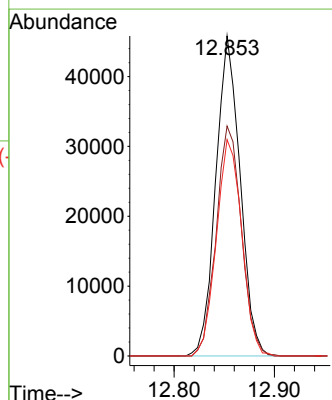
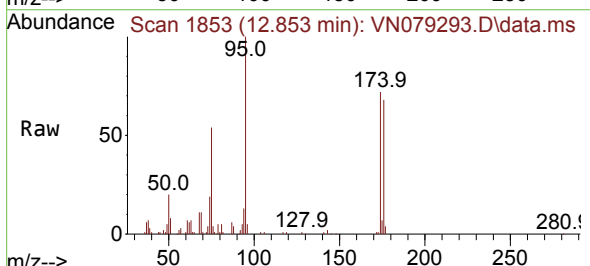
Tgt Ion: 95 Resp: 76880

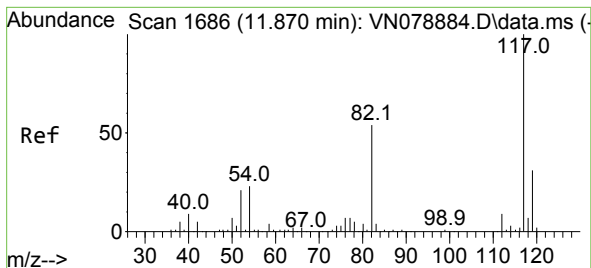
Ion Ratio Lower Upper

95 100

174 74.6 0.0 143.8

176 70.7 0.0 135.8

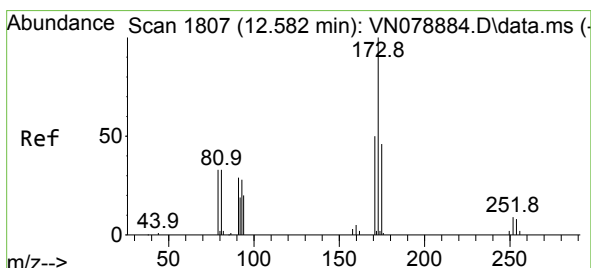
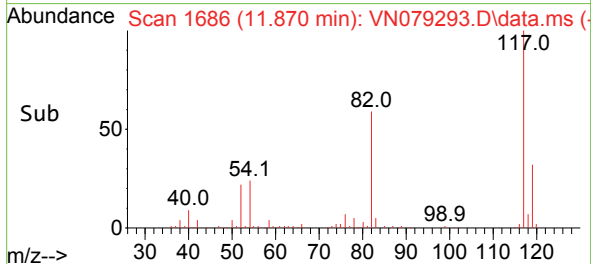
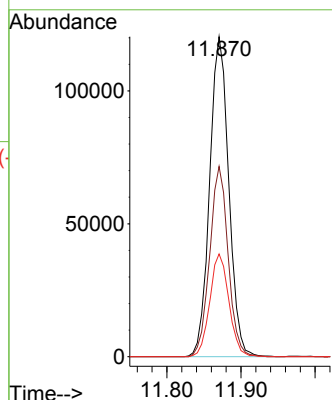
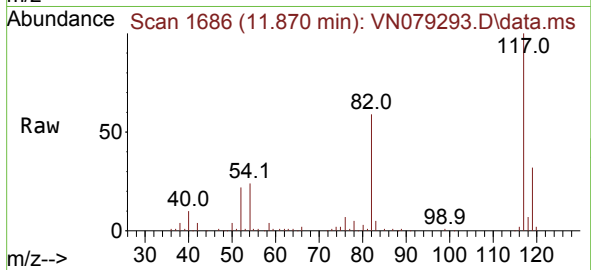




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.001 min
Lab File: VN079293.D
Acq: 18 Sep 2023 18:25

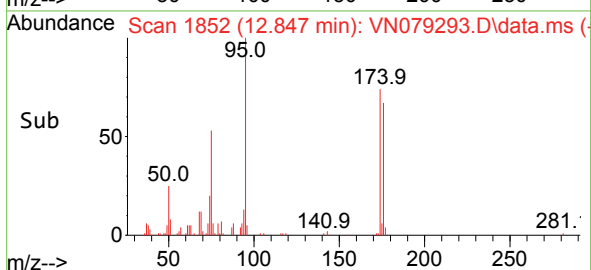
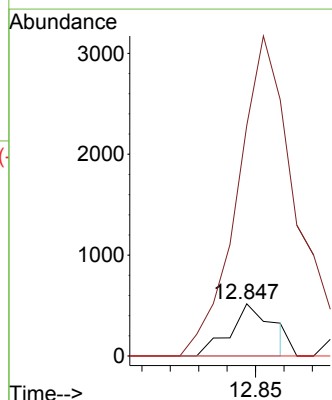
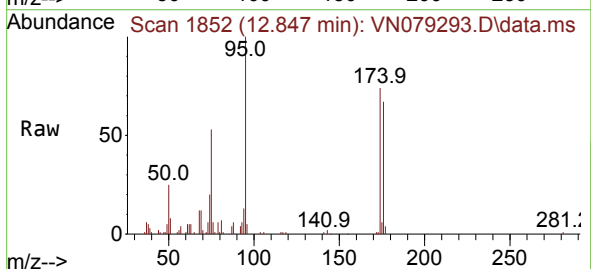
Instrument :
MSVOA_N
ClientSampleId :

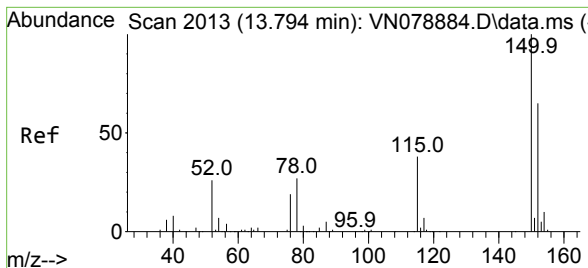
Tgt Ion:117 Resp: 215471
Ion Ratio Lower Upper
117 100
82 59.5 44.0 66.0
119 32.1 25.6 38.4



#71
Bromoform
Concen: 0.403 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN079293.D
Acq: 18 Sep 2023 18:25

Tgt Ion:173 Resp: 544
Ion Ratio Lower Upper
173 100
175 638.1 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: VN079293.D

Acq: 18 Sep 2023 18:25

Instrument :

MSVOA_N

ClientSampleId :

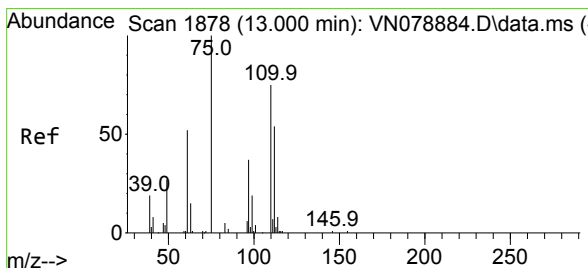
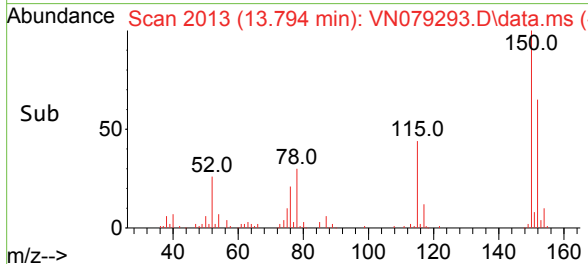
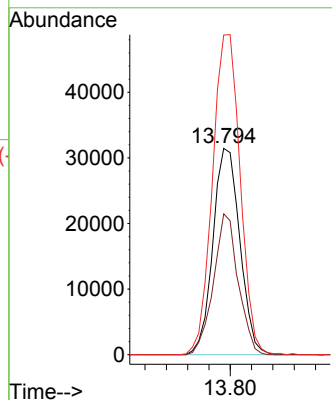
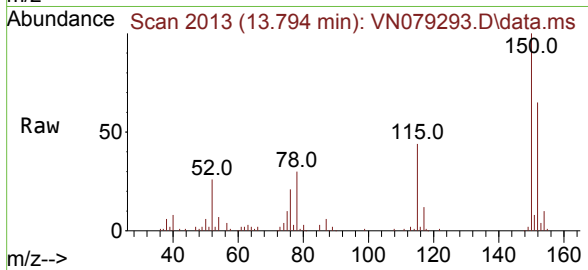
Tgt Ion:152 Resp: 55108

Ion Ratio Lower Upper

152 100

115 62.7 32.3 96.8

150 159.7 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 28.047 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079293.D

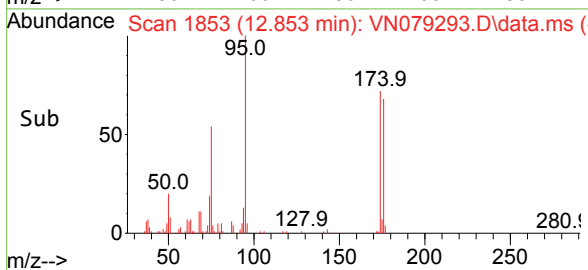
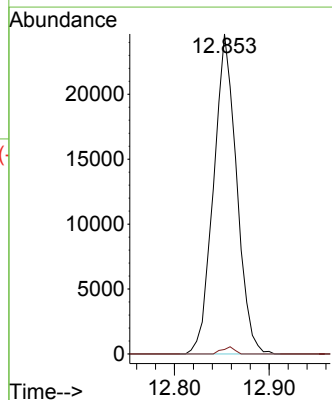
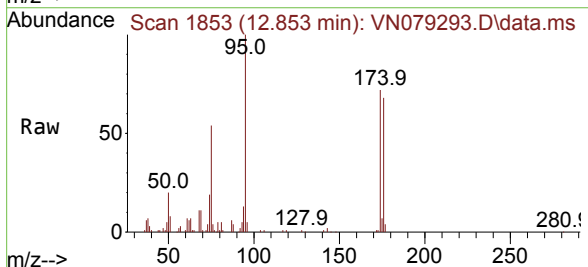
Acq: 18 Sep 2023 18:25

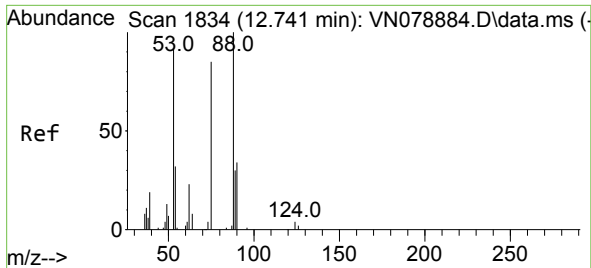
Tgt Ion: 75 Resp: 41657

Ion Ratio Lower Upper

75 100

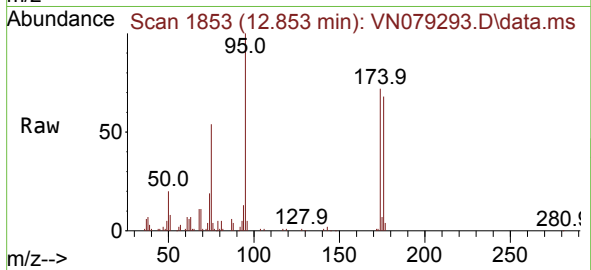
77 1.2 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.108 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079293.D
 Acq: 18 Sep 2023 18:25

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 41657
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

