

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100923\
 Data File : VN079473.D
 Acq On : 09 Oct 2023 15:36
 Operator : JC\MD
 Sample : 04740-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 09 23:16:09 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)

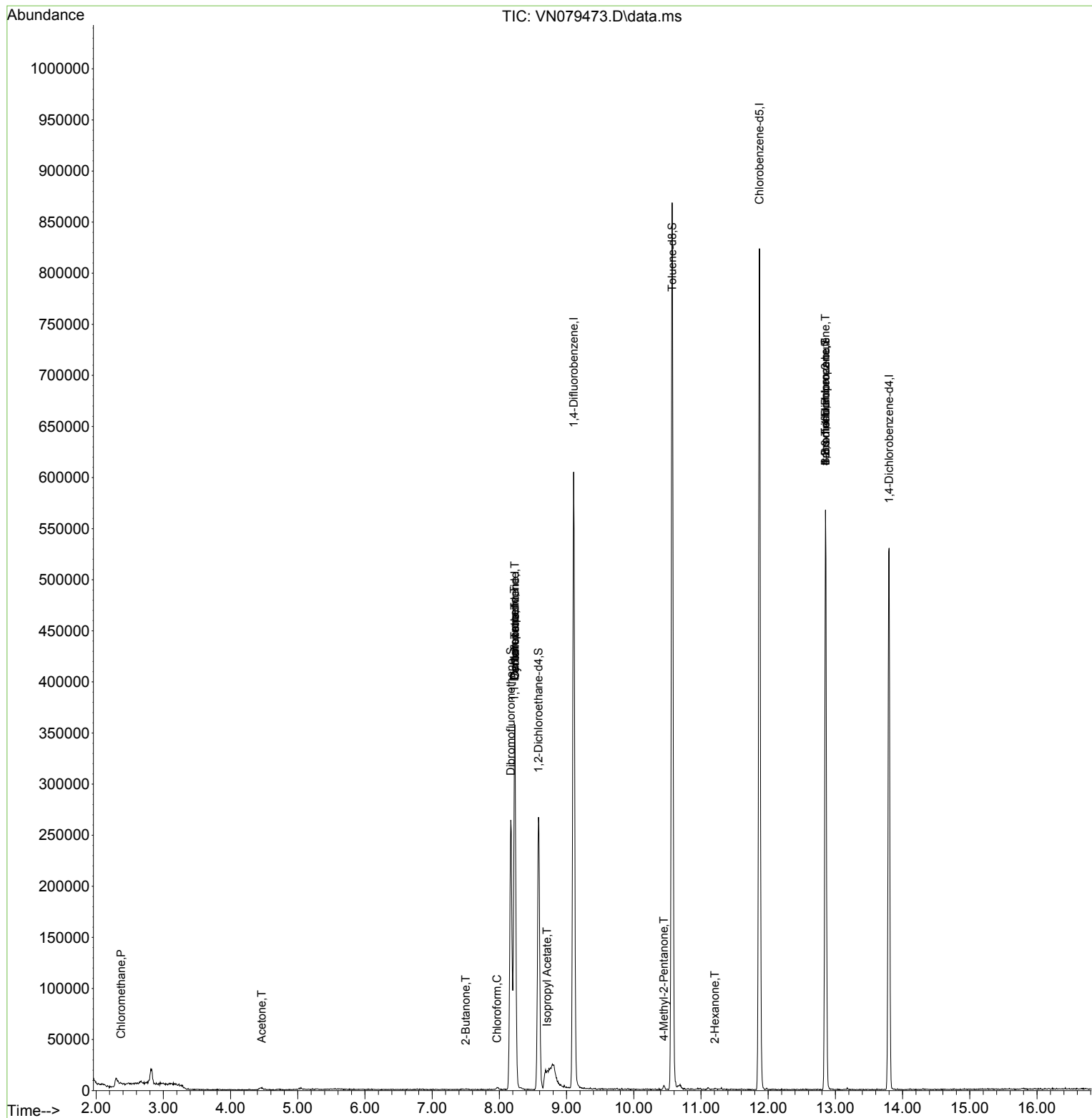
Internal Standards						
1) Pentafluorobenzene	8.230	168	246467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	505015	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	463481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	139704	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	216539	54.185	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.380%	
35) Dibromofluoromethane	8.171	113	185213	51.034	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.060%	
50) Toluene-d8	10.571	98	582882	44.388	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 88.780%	
62) 4-Bromofluorobenzene	12.853	95	185334	43.979	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 87.960%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1367	0.310	ug/l #	42
16) Acetone	4.465	43	4481	2.827	ug/l #	84
20) Methylene Chloride	5.289	84	217	Below Cal	#	39
25) 2-Butanone	7.500	43	563	0.239	ug/l #	37
30) Chloroform	7.965	83	2072	0.318	ug/l #	58
31) Cyclohexane	8.230	56	7314	1.290	ug/l #	50
36) 1,1-Dichloropropene	8.224	75	22996	4.222	ug/l #	48
38) Carbon Tetrachloride	8.230	117	27651	5.071	ug/l #	15
43) Isopropyl Acetate	8.712	43	22205	2.338	ug/l #	49
51) 4-Methyl-2-Pentanone	10.447	43	3215	0.600	ug/l #	66
59) 2-Hexanone	11.206	43	805	0.208	ug/l #	19
71) Bromoform	12.853	173	1680	0.607	ug/l #	28
75) 1,1,2,2-Tetrachloroethane	12.853	83	271	Below Cal	#	5
76) 1,2,3-Trichloropropane	12.853	75	103867	25.786	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	103867	74.819	ug/l #	15

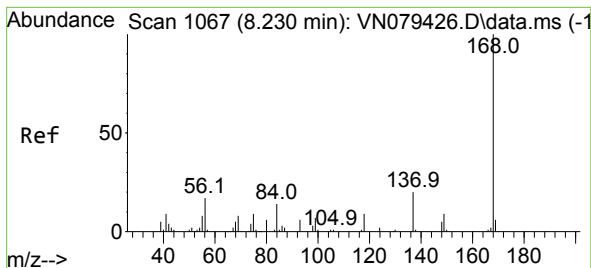
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 06 03:34:49 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.000 min

Lab File: VN079473.D

Acq: 09 Oct 2023 15:36

Instrument :

MSVOA_N

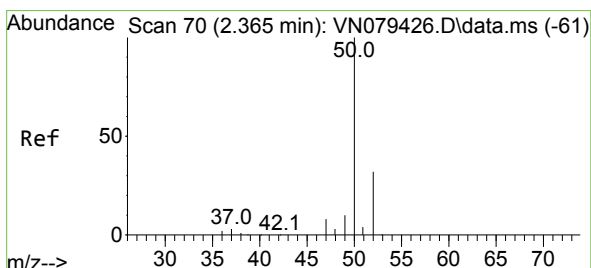
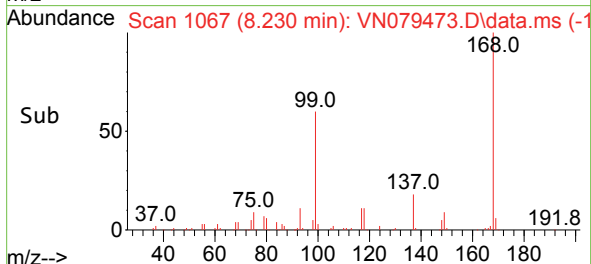
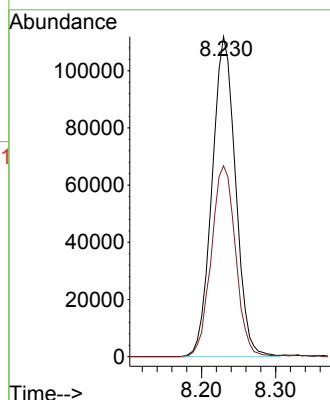
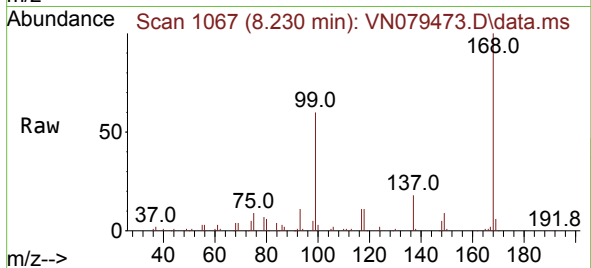
ClientSampleId :

Tgt Ion:168 Resp: 246467

Ion Ratio Lower Upper

168 100

99 59.7 53.0 79.6



#3

Chloromethane

Concen: 0.310 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN079473.D

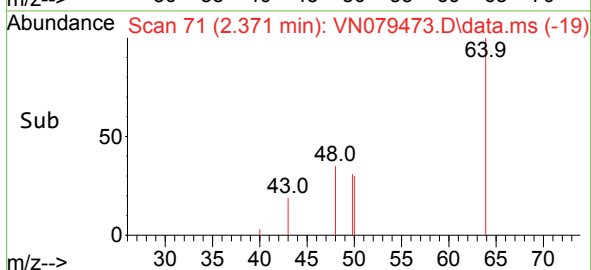
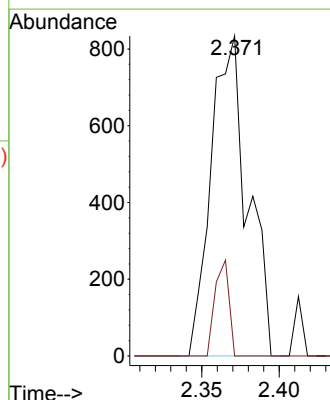
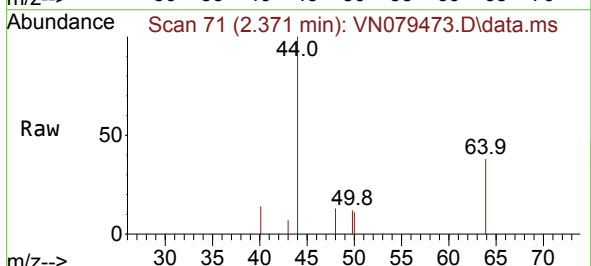
Acq: 09 Oct 2023 15:36

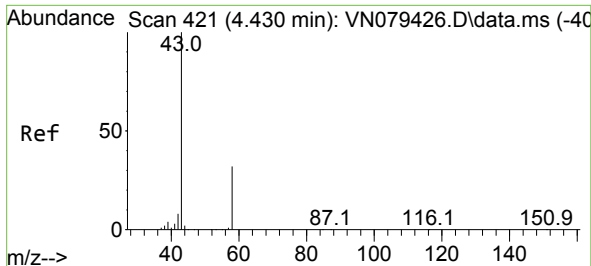
Tgt Ion: 50 Resp: 1367

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#





#16

Acetone

Concen: 2.827 ug/l

RT: 4.465 min Scan# 41

Delta R.T. 0.035 min

Lab File: VN079473.D

Acq: 09 Oct 2023 15:36

Instrument :

MSVOA_N

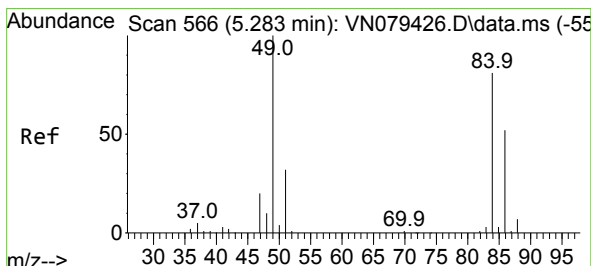
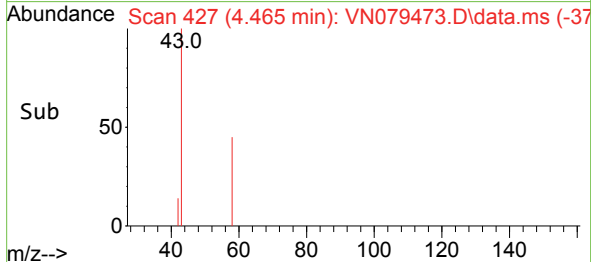
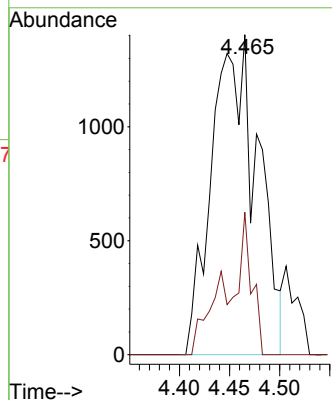
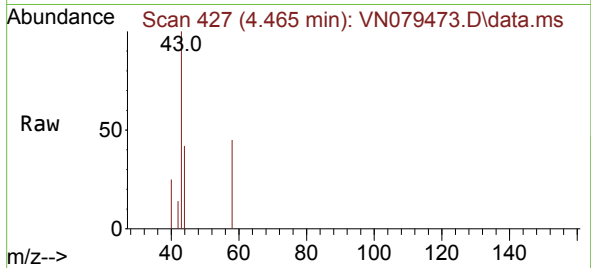
ClientSampleId :

Tgt Ion: 43 Resp: 4481

Ion Ratio Lower Upper

43 100

58 44.5 28.0 42.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.289 min Scan# 567

Delta R.T. 0.006 min

Lab File: VN079473.D

Acq: 09 Oct 2023 15:36

Tgt Ion: 84 Resp: 217

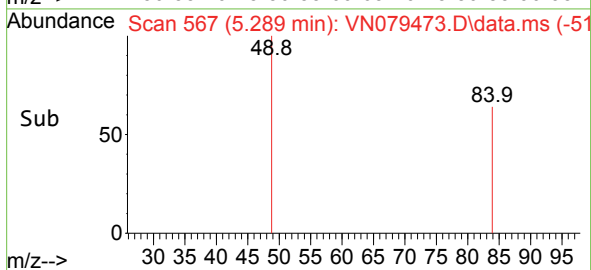
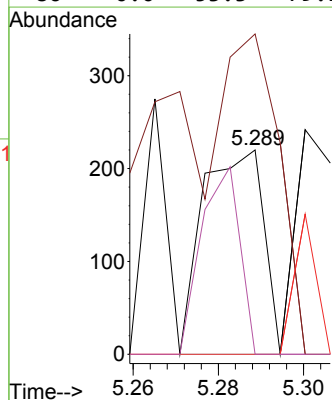
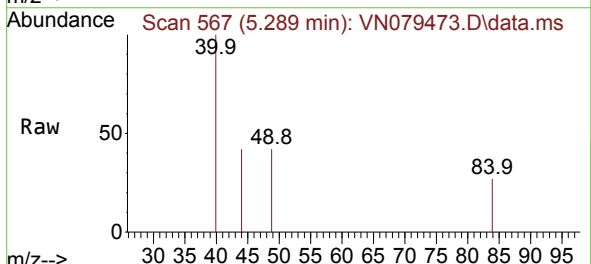
Ion Ratio Lower Upper

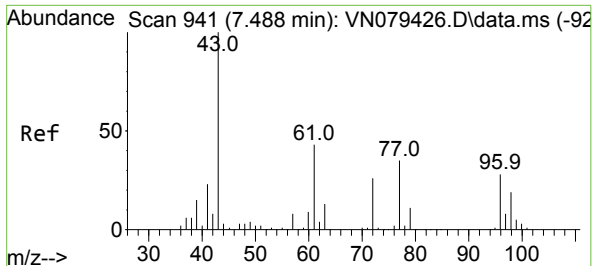
84 100

49 53.2 79.7 119.5#

51 0.0 25.2 37.8#

86 0.0 53.3 79.9#





#25

2-Butanone

Concen: 0.239 ug/l

RT: 7.500 min Scan# 941

Delta R.T. 0.012 min

Lab File: VN079473.D

Acq: 09 Oct 2023 15:36

Instrument :

MSVOA_N

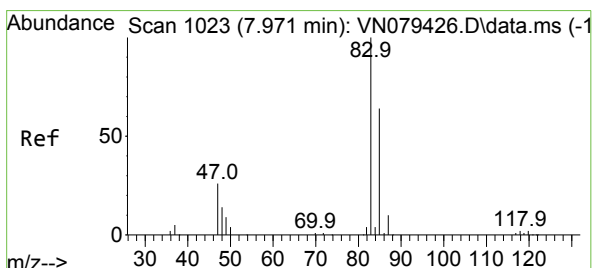
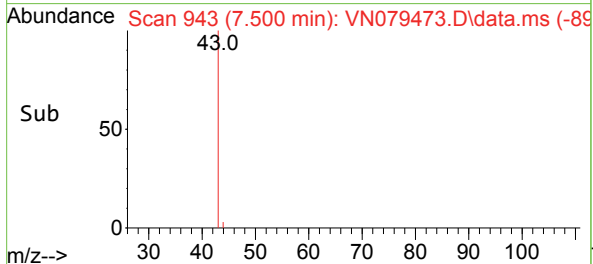
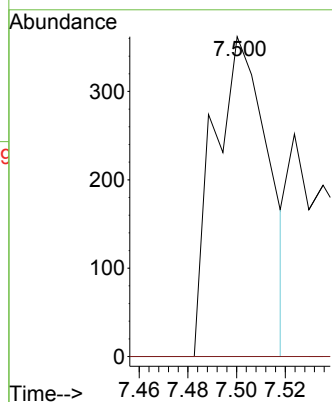
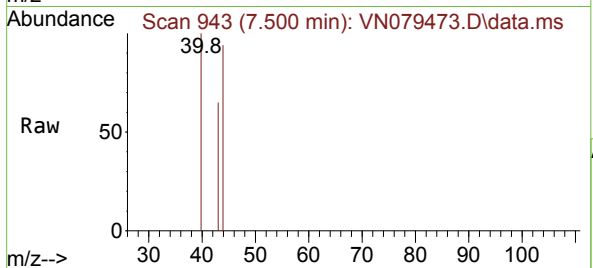
ClientSampleId :

Tgt Ion: 43 Resp: 563

Ion Ratio Lower Upper

43 100

72 0.0 30.2 45.2#



#30

Chloroform

Concen: 0.318 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.006 min

Lab File: VN079473.D

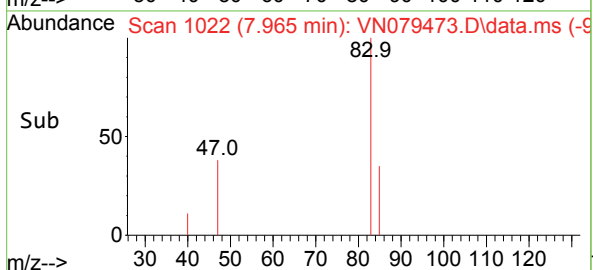
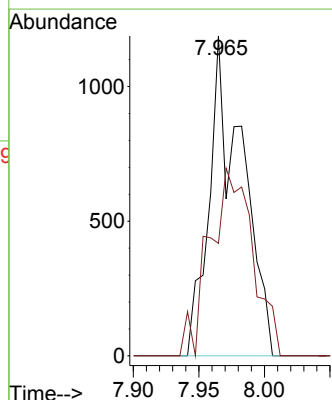
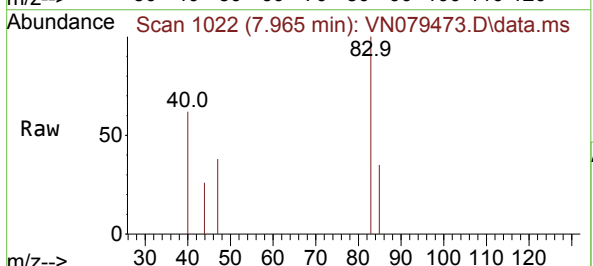
Acq: 09 Oct 2023 15:36

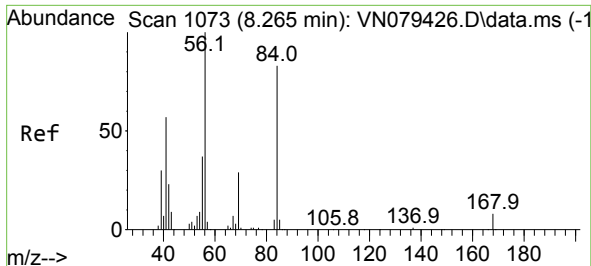
Tgt Ion: 83 Resp: 2072

Ion Ratio Lower Upper

83 100

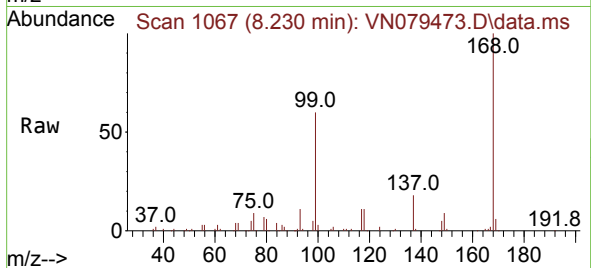
85 35.2 55.4 83.0#



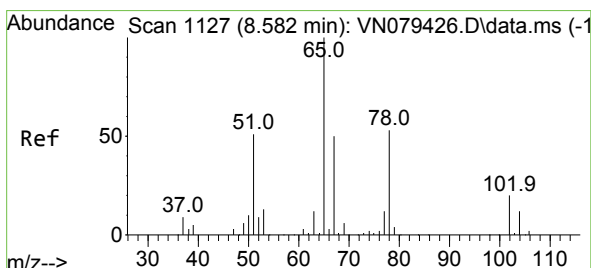
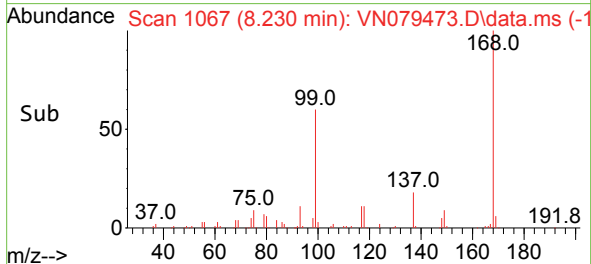
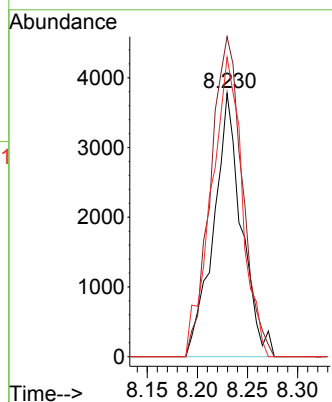


#31
Cyclohexane
Concen: 1.290 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079473.D
Acq: 09 Oct 2023 15:36

Instrument :
MSVOA_N
ClientSampleId :

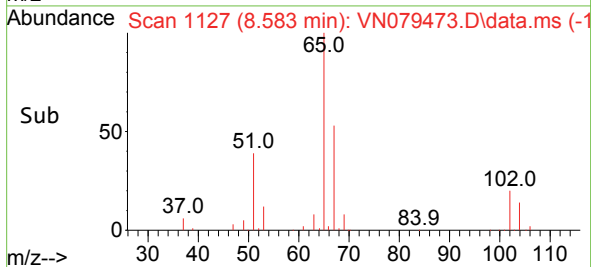
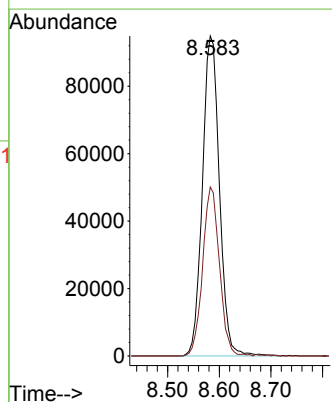
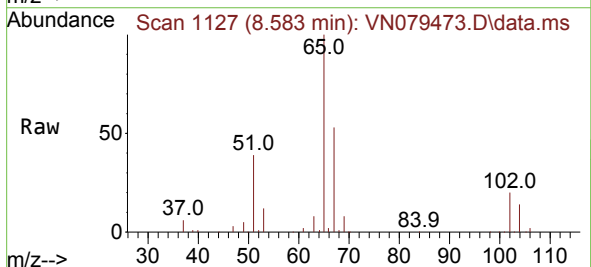


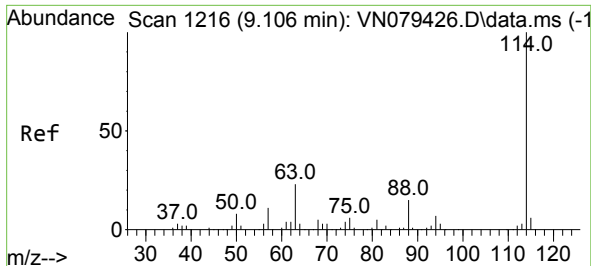
Tgt Ion: 56 Resp: 7314
Ion Ratio Lower Upper
56 100
69 121.5 26.8 40.2#
84 118.6 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 54.185 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079473.D
Acq: 09 Oct 2023 15:36

Tgt Ion: 65 Resp: 216539
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079473.D

Acq: 09 Oct 2023 15:36

Instrument :

MSVOA_N

ClientSampleId :

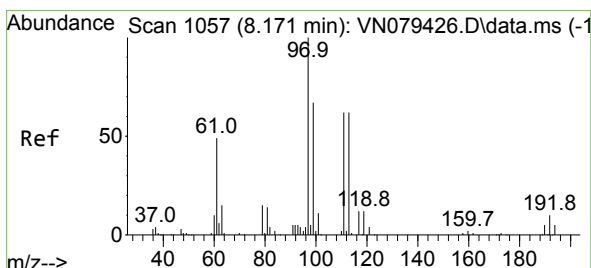
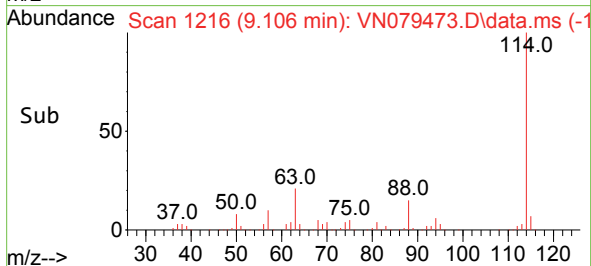
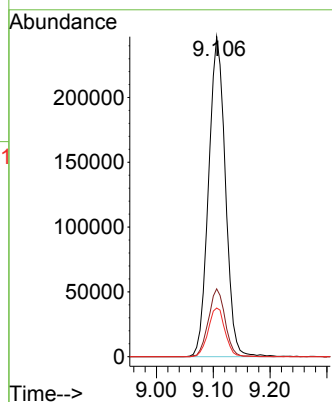
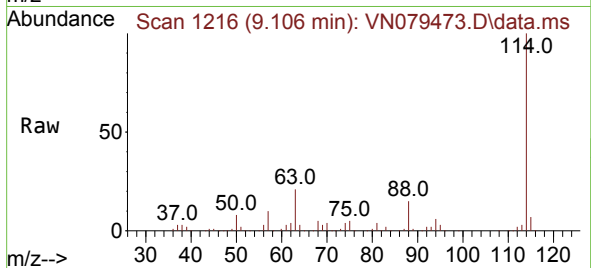
Tgt Ion:114 Resp: 505015

Ion Ratio Lower Upper

114 100

63 21.2 0.0 36.4

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.034 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079473.D

Acq: 09 Oct 2023 15:36

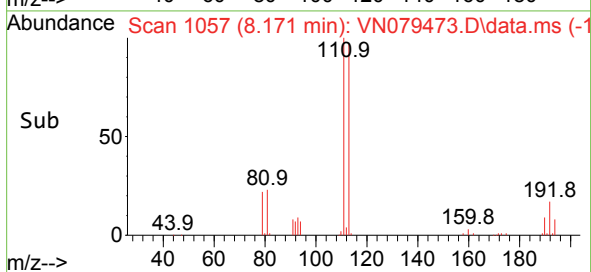
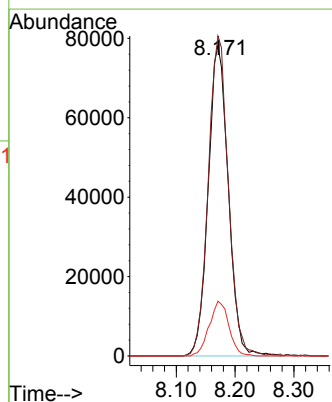
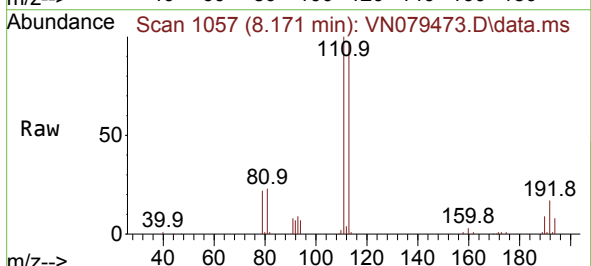
Tgt Ion:113 Resp: 185213

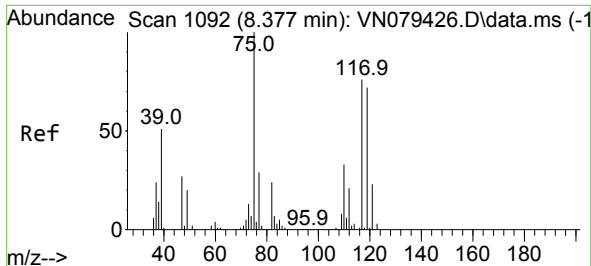
Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

192 17.3 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.222 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

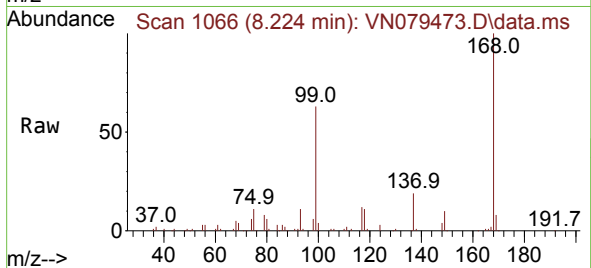
Lab File: VN079473.D

Acq: 09 Oct 2023 15:36

Instrument :

MSVOA_N

ClientSampleId :



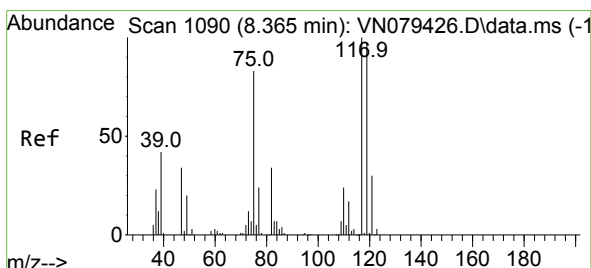
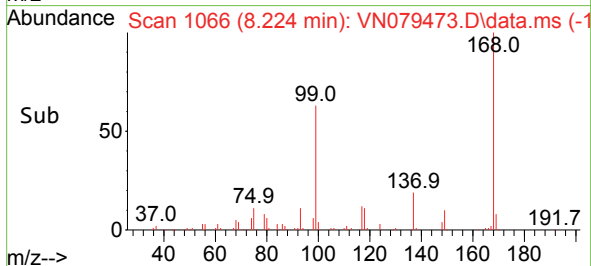
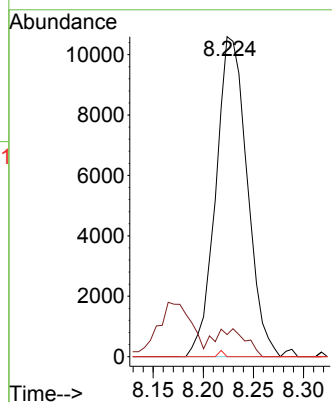
Tgt Ion: 75 Resp: 22996

Ion Ratio Lower Upper

75 100

110 8.9 19.1 57.3#

77 0.3 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.071 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN079473.D

Acq: 09 Oct 2023 15:36

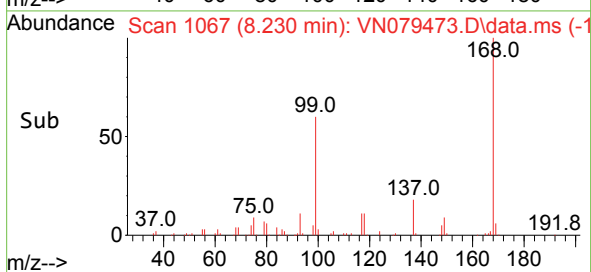
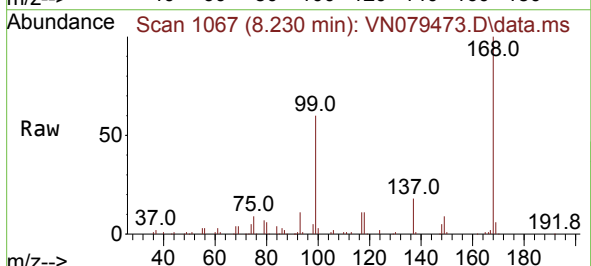
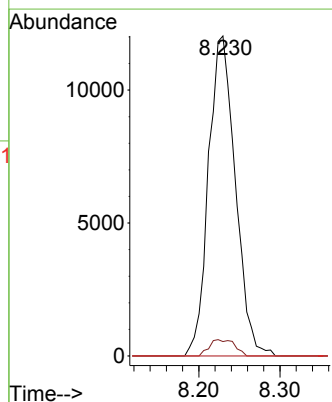
Tgt Ion: 117 Resp: 27651

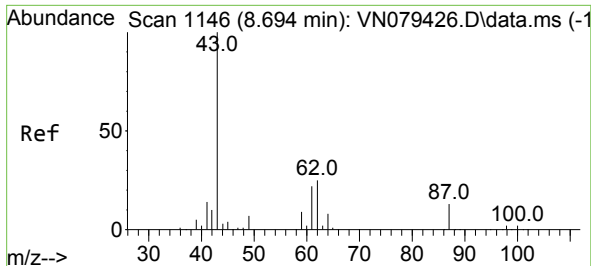
Ion Ratio Lower Upper

117 100

119 4.5 77.3 115.9#

121 0.0 23.3 34.9#

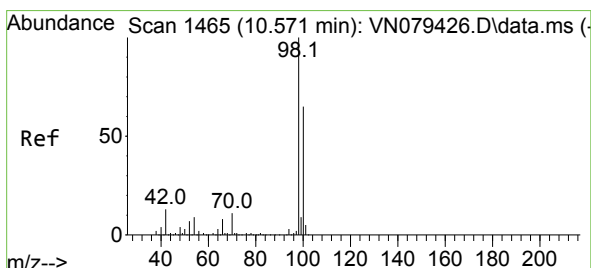
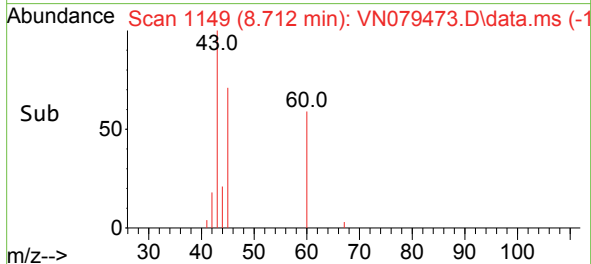
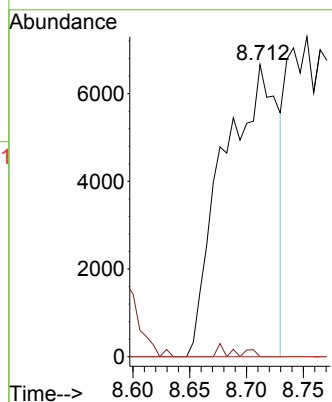
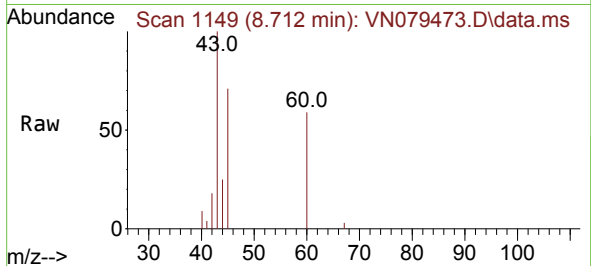




#43
Isopropyl Acetate
Concen: 2.338 ug/l
RT: 8.712 min Scan# 1149
Delta R.T. 0.018 min
Lab File: VN079473.D
Acq: 09 Oct 2023 15:36

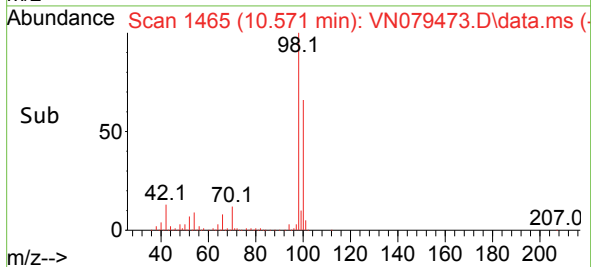
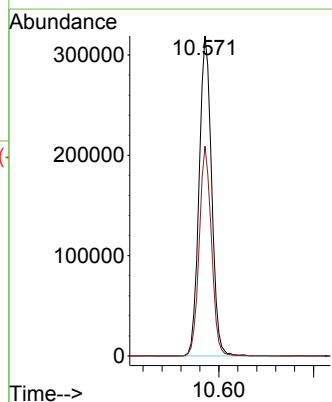
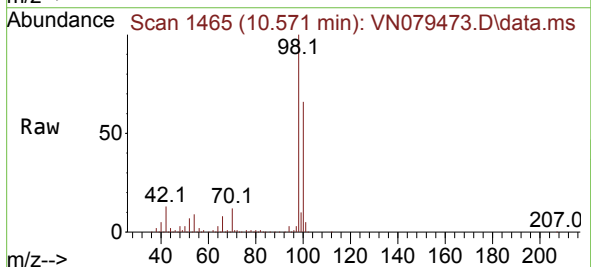
Instrument :
MSVOA_N
ClientSampleId :

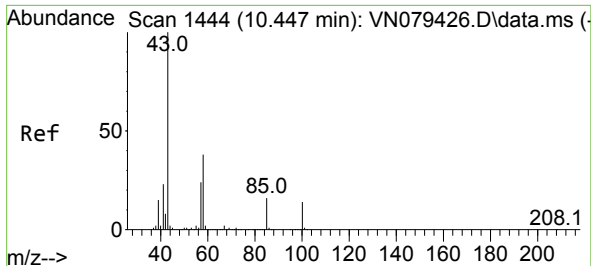
Tgt Ion: 43 Resp: 22205
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 44.388 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079473.D
Acq: 09 Oct 2023 15:36

Tgt Ion: 98 Resp: 582882
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0

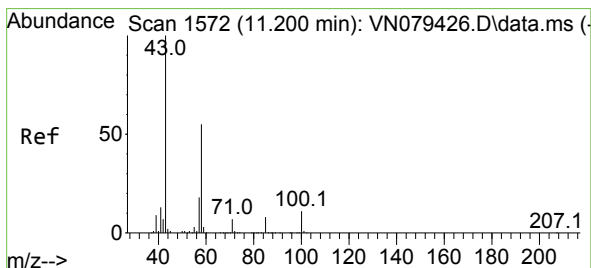
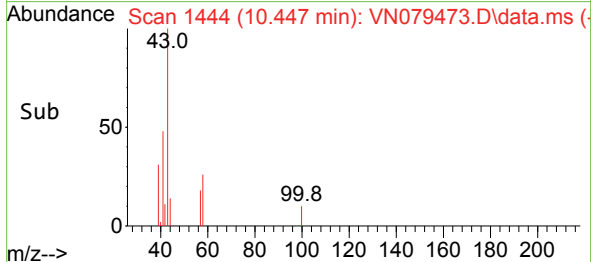
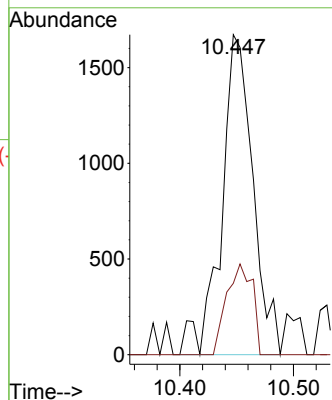
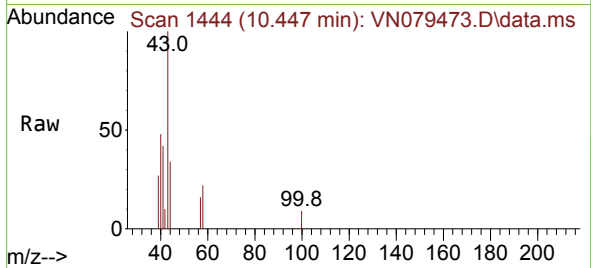




#51
4-Methyl-2-Pentanone
Concen: 0.600 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079473.D
Acq: 09 Oct 2023 15:36

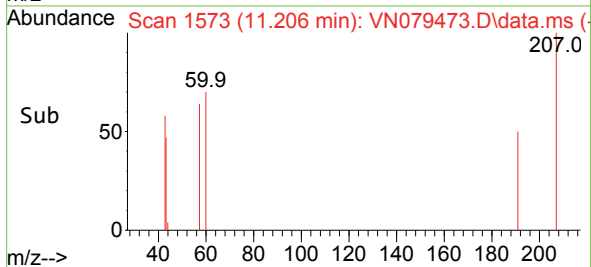
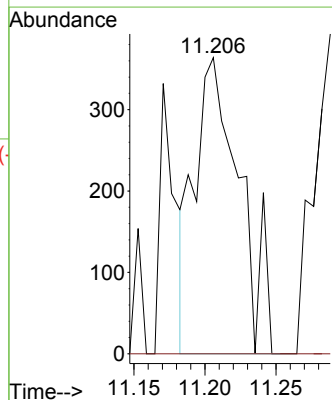
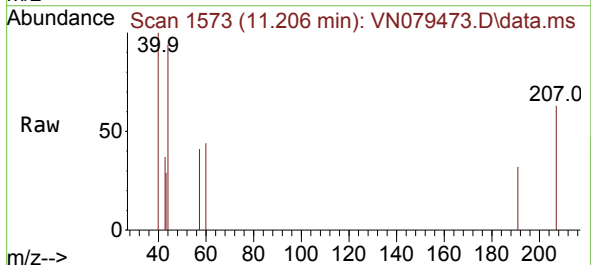
Instrument :
MSVOA_N
ClientSampleId :

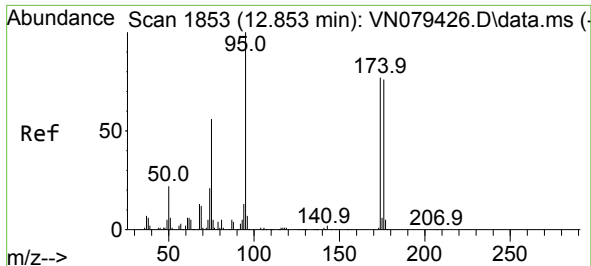
Tgt Ion: 43 Resp: 3215
Ion Ratio Lower Upper
43 100
58 23.2 36.6 54.8#



#59
2-Hexanone
Concen: 0.208 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN079473.D
Acq: 09 Oct 2023 15:36

Tgt Ion: 43 Resp: 805
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

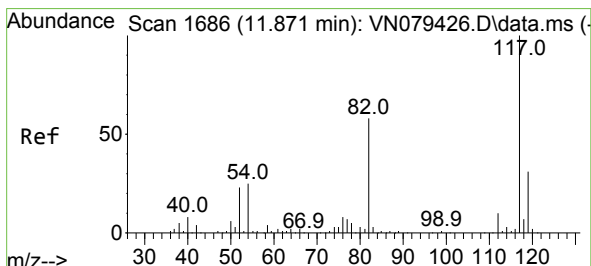
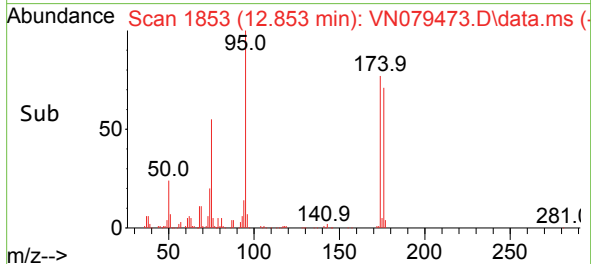
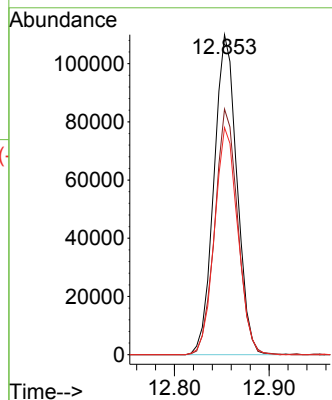
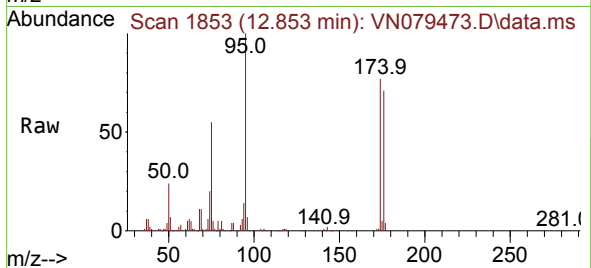




#62
4-Bromofluorobenzene
Concen: 43.979 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079473.D
Acq: 09 Oct 2023 15:36

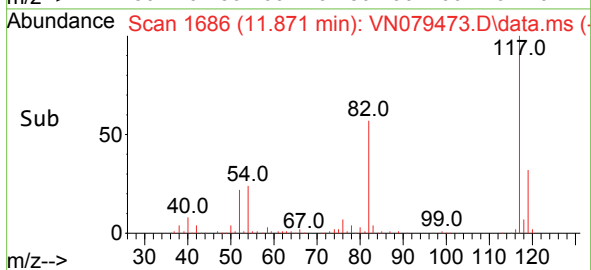
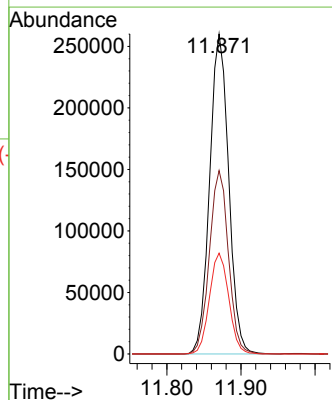
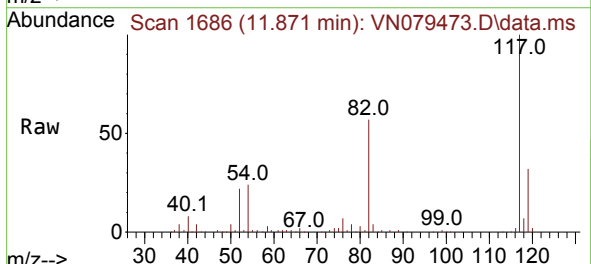
Instrument :
MSVOA_N
ClientSampleId :

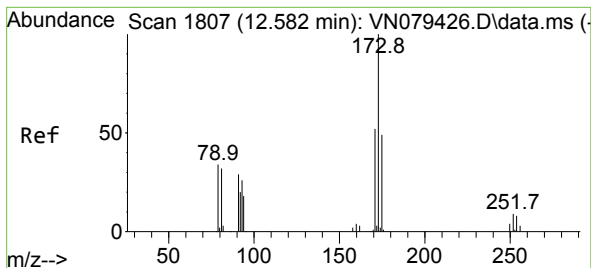
Tgt Ion: 95 Resp: 185334
Ion Ratio Lower Upper
95 100
174 76.4 0.0 143.8
176 72.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079473.D
Acq: 09 Oct 2023 15:36

Tgt Ion: 117 Resp: 463481
Ion Ratio Lower Upper
117 100
82 57.3 44.0 66.0
119 31.5 25.6 38.4





#71

Bromoform

Concen: 0.607 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN079473.D

Acq: 09 Oct 2023 15:36

Instrument :

MSVOA_N

ClientSampleId :

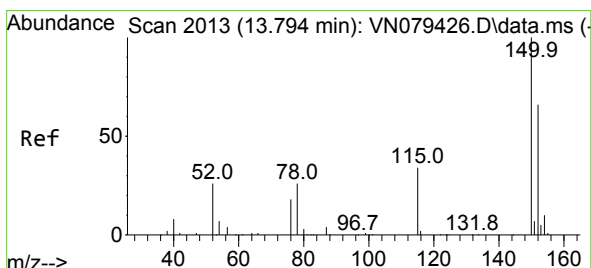
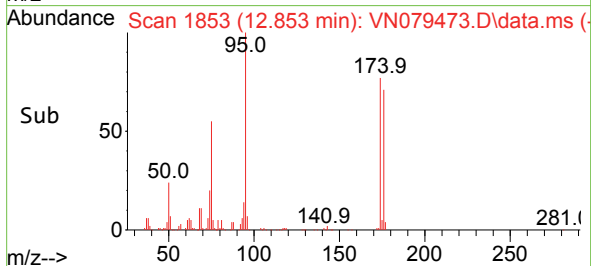
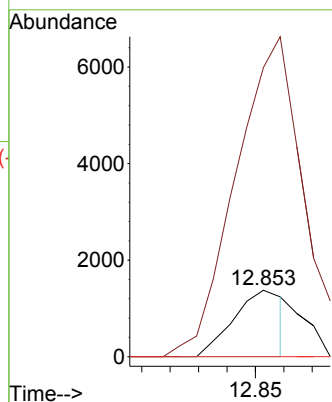
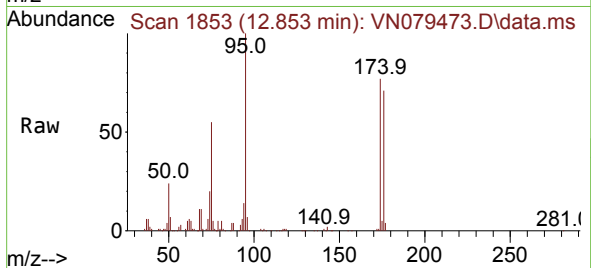
Tgt Ion:173 Resp: 1680

Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.006 min

Lab File: VN079473.D

Acq: 09 Oct 2023 15:36

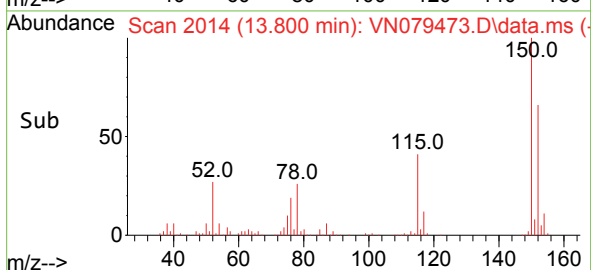
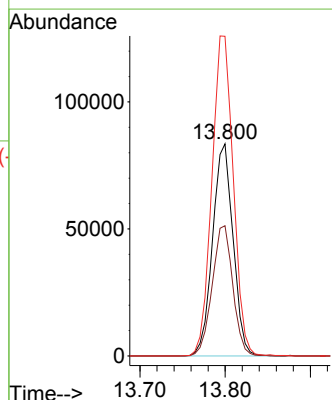
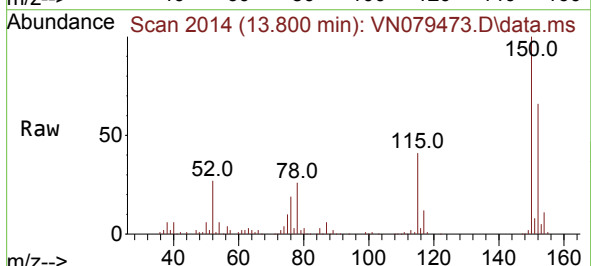
Tgt Ion:152 Resp: 139704

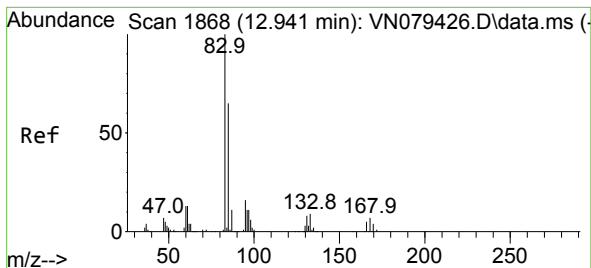
Ion Ratio Lower Upper

152 100

115 61.8 32.3 96.8

150 157.4 0.0 355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.853 min Scan# 1853

Delta R.T. -0.088 min

Lab File: VN079473.D

Acq: 09 Oct 2023 15:36

Instrument :

MSVOA_N

ClientSampleId :

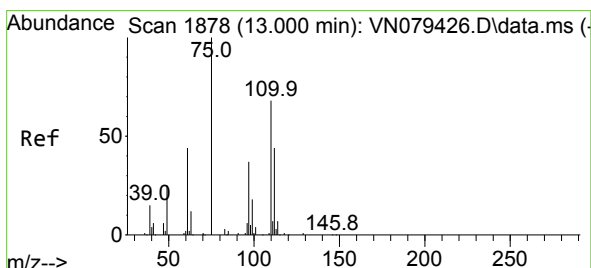
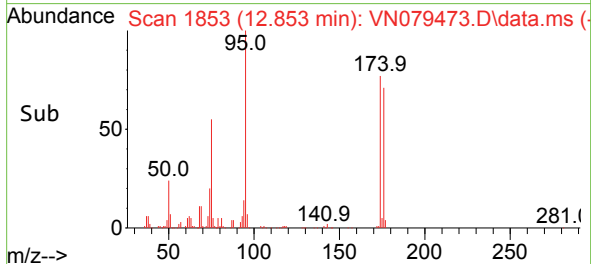
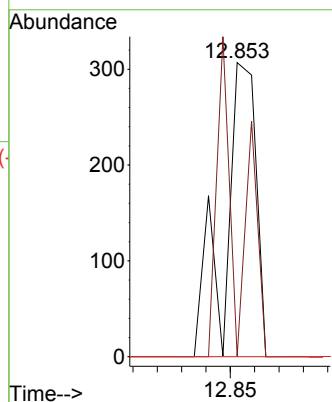
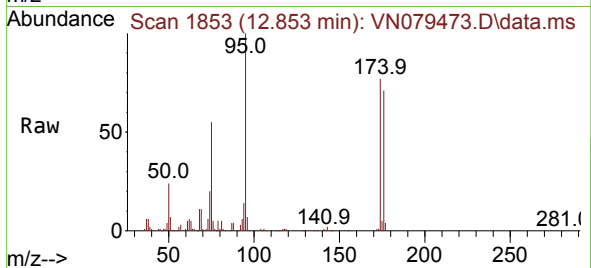
Tgt Ion: 83 Resp: 271

Ion Ratio Lower Upper

83 100

131 75.6 5.0 15.0#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 25.786 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079473.D

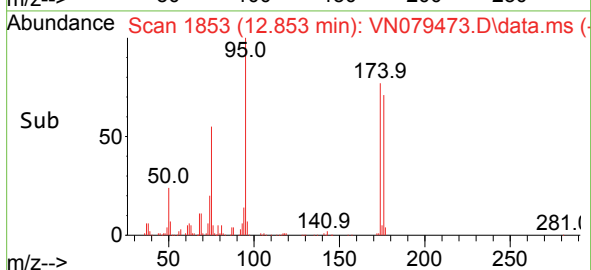
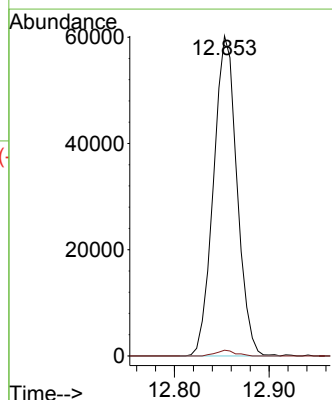
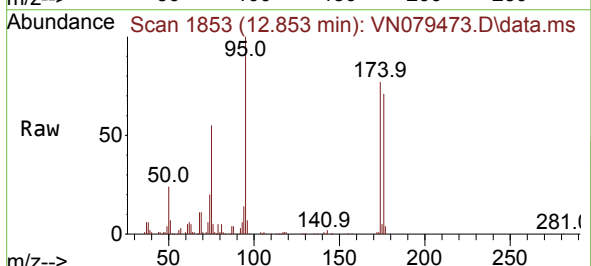
Acq: 09 Oct 2023 15:36

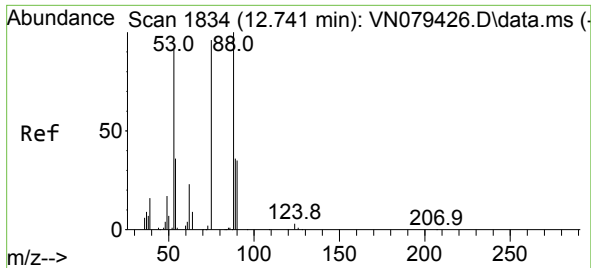
Tgt Ion: 75 Resp: 103867

Ion Ratio Lower Upper

75 100

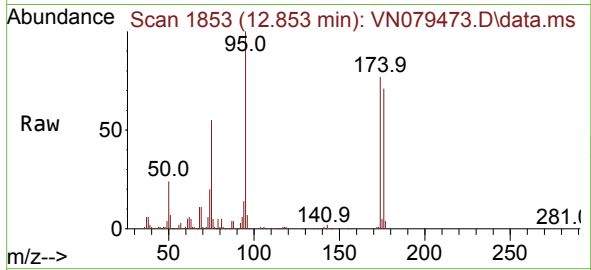
77 1.5 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.819 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079473.D
 Acq: 09 Oct 2023 15:36

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 103867
 Ion Ratio Lower Upper
 75 100
 53 0.2 67.4 101.2#
 89 0.0 38.8 58.2#

