

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102323\
 Data File : VN079637.D
 Acq On : 23 Oct 2023 10:26
 Operator : JC\MD
 Sample : VN1023WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 23 23:45:43 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)

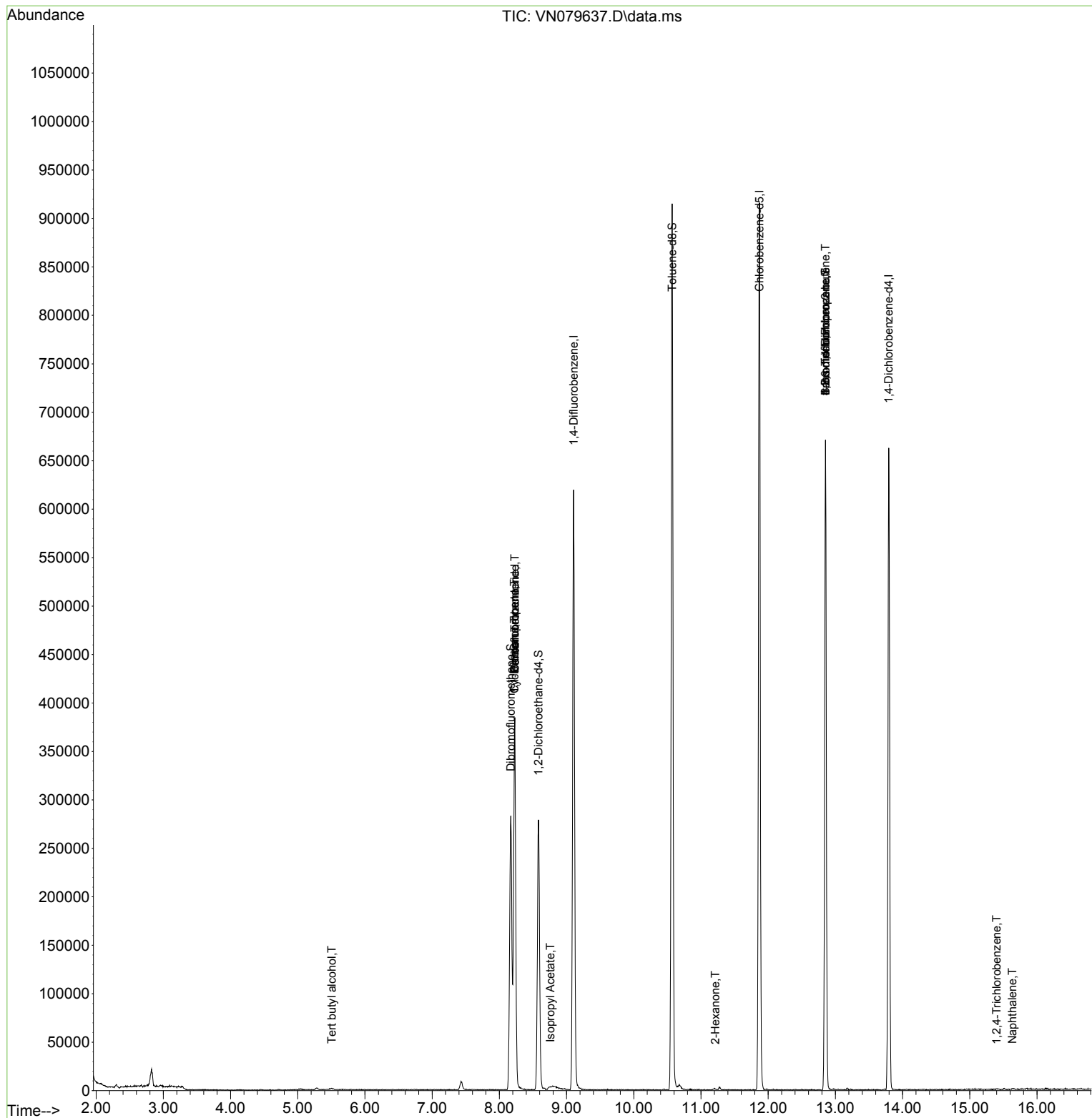
Internal Standards						
1) Pentafluorobenzene	8.229	168	264164	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	515064	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	524417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	173545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	226113	52.791	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.580%	
35) Dibromofluoromethane	8.171	113	204269	55.186	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 110.380%	
50) Toluene-d8	10.570	98	619111	46.227	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.460%	
62) 4-Bromofluorobenzene	12.853	95	220715	51.352	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.700%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.506	59	1017	1.578	ug/l #	72
20) Methylene Chloride	5.277	84	1285	Below Cal	#	67
31) Cyclohexane	8.224	56	7482	1.231	ug/l #	54
36) 1,1-Dichloropropene	8.224	75	23833	4.290	ug/l #	49
38) Carbon Tetrachloride	8.229	117	29395	5.285	ug/l #	16
43) Isopropyl Acetate	8.759	43	2254	0.233	ug/l #	49
59) 2-Hexanone	11.212	43	1024	0.260	ug/l	63
71) Bromoform	12.853	173	1800	0.575	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.953	83	152	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	123406	24.663	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	123406	71.560	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.400	180	493	0.260	ug/l #	75
95) Naphthalene	15.635	128	2003	0.346	ug/l #	74

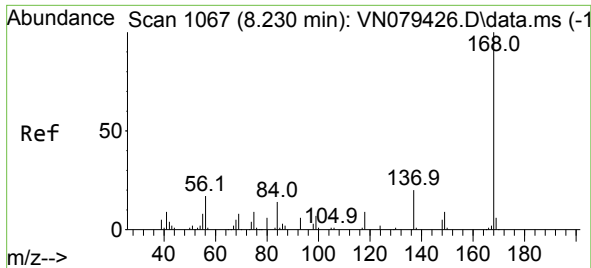
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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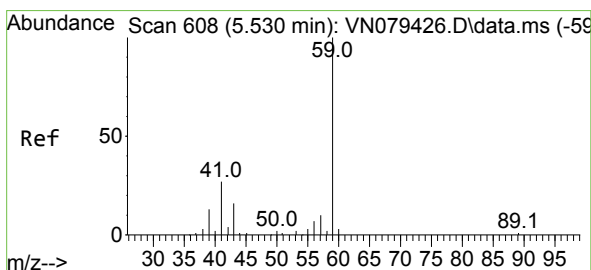
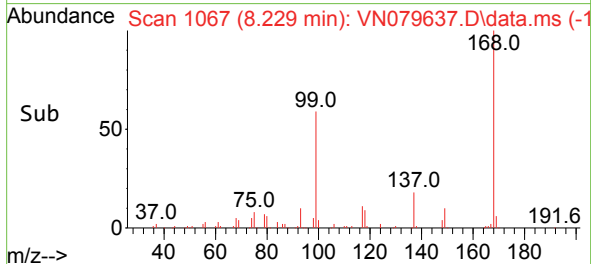
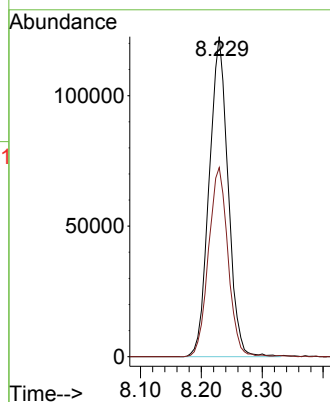
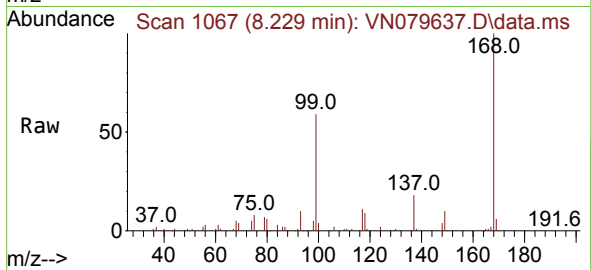




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN079637.D
Acq: 23 Oct 2023 10:26

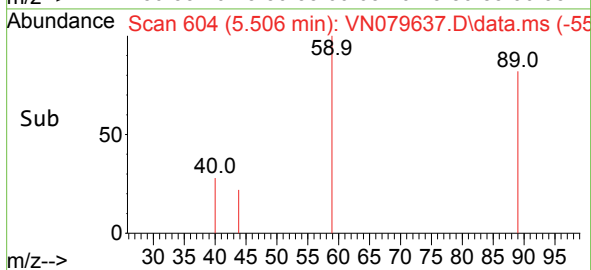
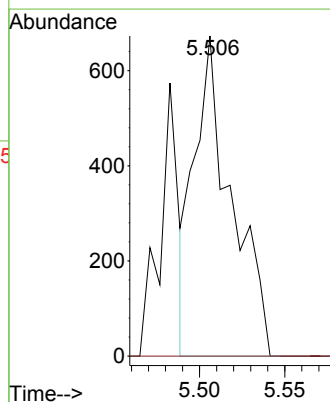
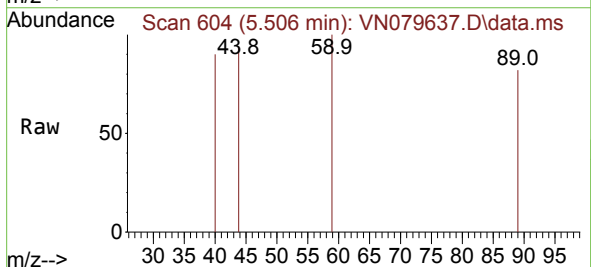
Instrument :
MSVOA_N
ClientSampleId :

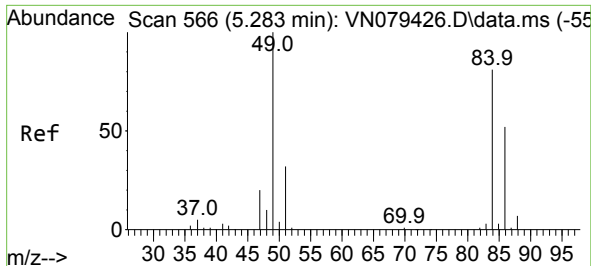
Tgt Ion:168 Resp: 264164
Ion Ratio Lower Upper
168 100
99 59.1 53.0 79.6



#11
Tert butyl alcohol
Concen: 1.578 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.024 min
Lab File: VN079637.D
Acq: 23 Oct 2023 10:26

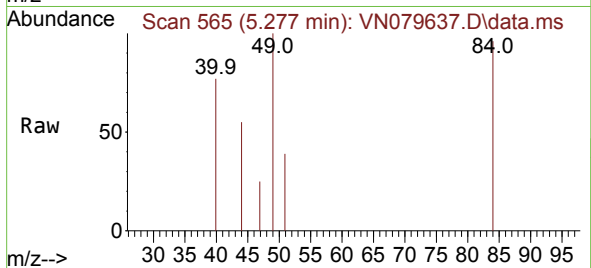
Tgt Ion: 59 Resp: 1017
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



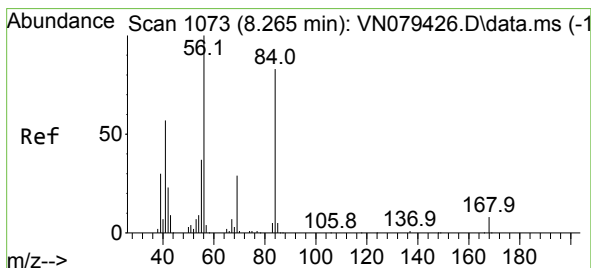
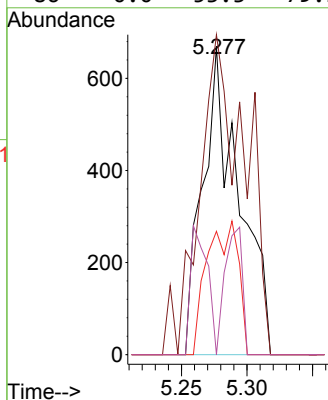


#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN079637.D
Acq: 23 Oct 2023 10:26

Instrument :
MSVOA_N
ClientSampleId :

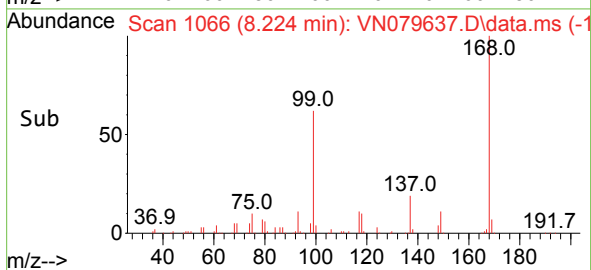
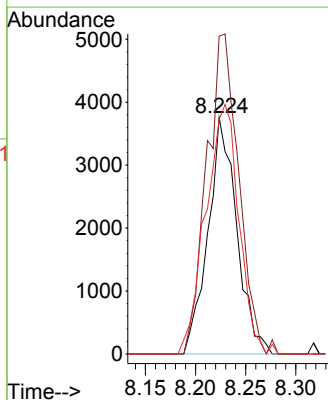
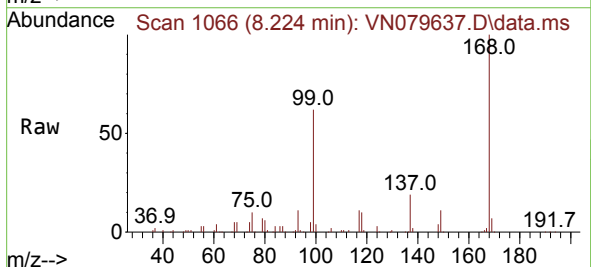


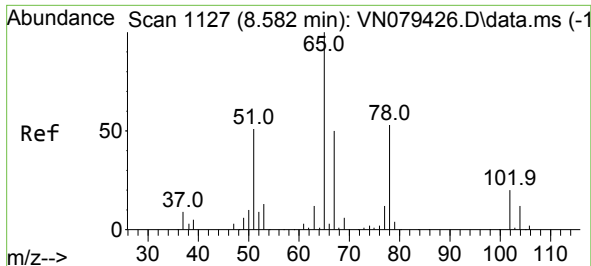
Tgt Ion:	84	Resp:	1285
Ion	Ratio	Lower	Upper
84	100		
49	103.7	79.7	119.5
51	40.0	25.2	37.8#
86	0.0	53.3	79.9#



#31
Cyclohexane
Concen: 1.231 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN079637.D
Acq: 23 Oct 2023 10:26

Tgt Ion:	56	Resp:	7482
Ion	Ratio	Lower	Upper
56	100		
69	134.4	26.8	40.2#
84	99.2	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 52.791 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079637.D

Acq: 23 Oct 2023 10:26

Instrument :

MSVOA_N

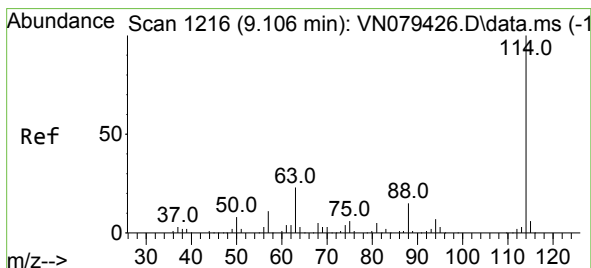
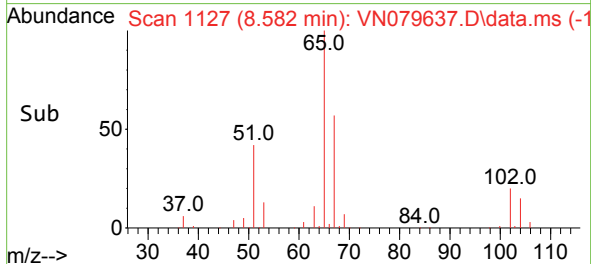
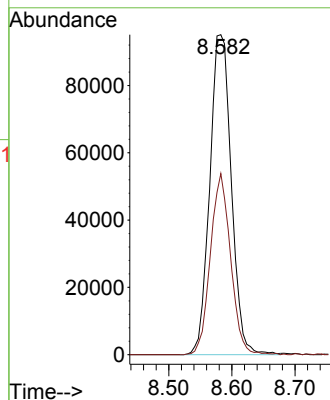
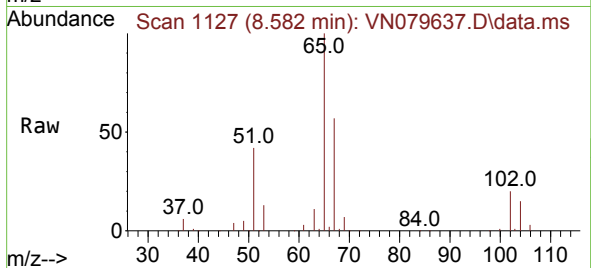
ClientSampleId :

Tgt Ion: 65 Resp: 226113

Ion Ratio Lower Upper

65 100

67 53.0 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: VN079637.D

Acq: 23 Oct 2023 10:26

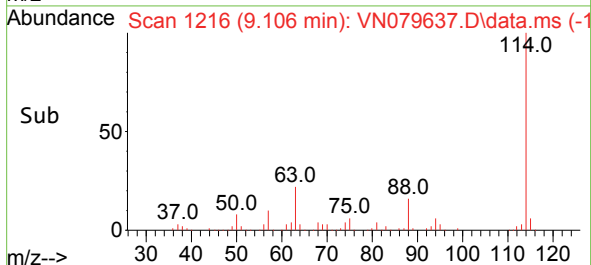
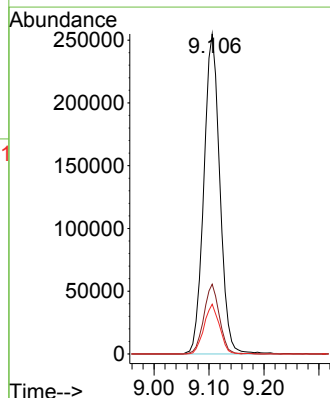
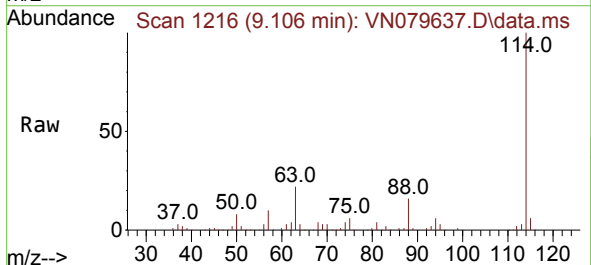
Tgt Ion: 114 Resp: 515064

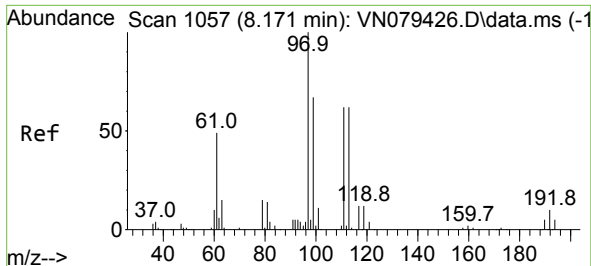
Ion Ratio Lower Upper

114 100

63 21.8 0.0 36.4

88 15.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 55.186 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

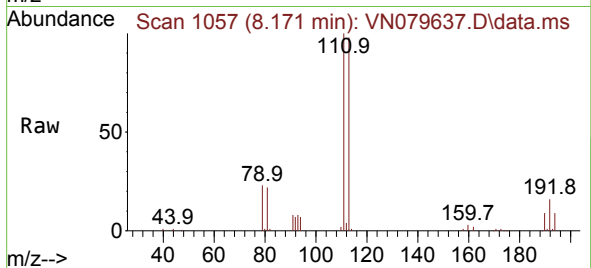
Lab File: VN079637.D

Acq: 23 Oct 2023 10:26

Instrument :

MSVOA_N

ClientSampleId :



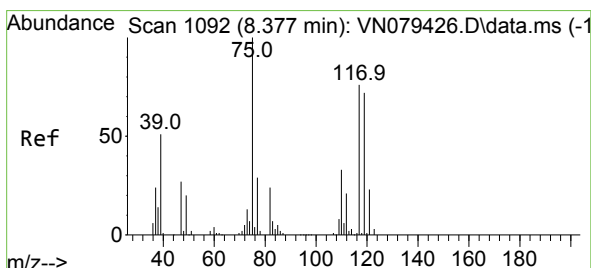
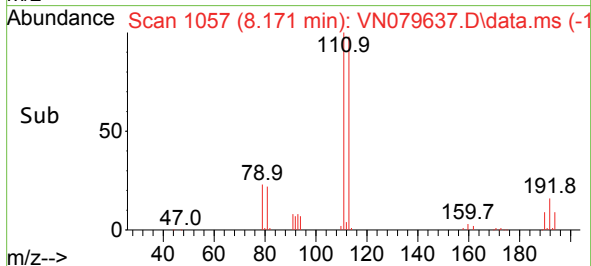
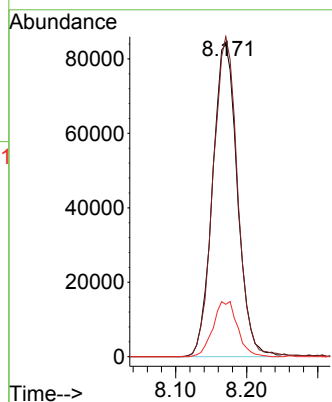
Tgt Ion:113 Resp: 204269

Ion Ratio Lower Upper

113 100

111 100.9 82.6 123.8

192 17.4 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.290 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN079637.D

Acq: 23 Oct 2023 10:26

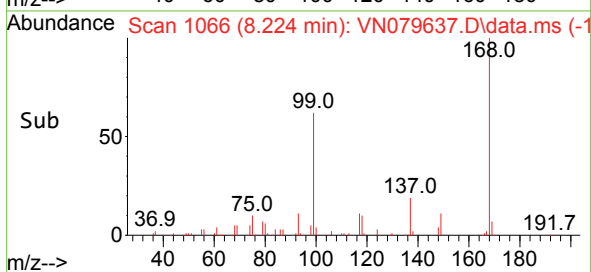
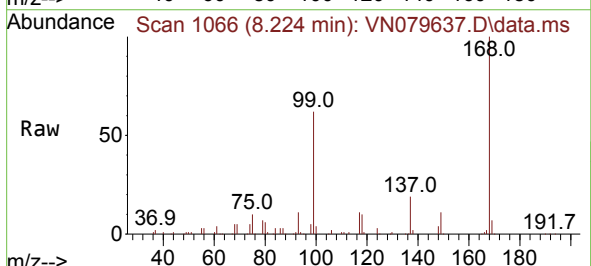
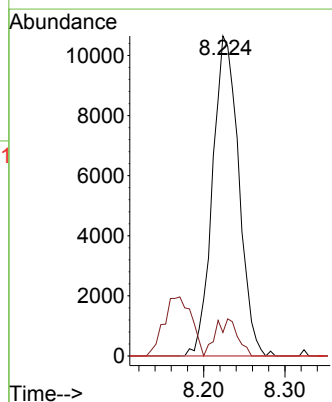
Tgt Ion: 75 Resp: 23833

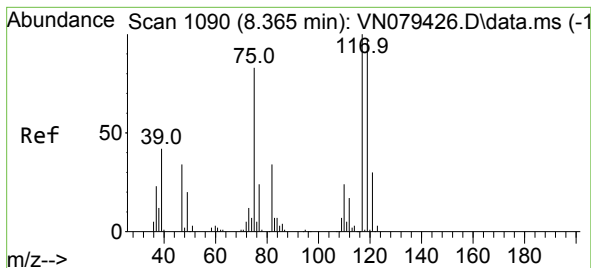
Ion Ratio Lower Upper

75 100

110 9.7 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.285 ug/l

RT: 8.229 min Scan# 1107

Delta R.T. -0.135 min

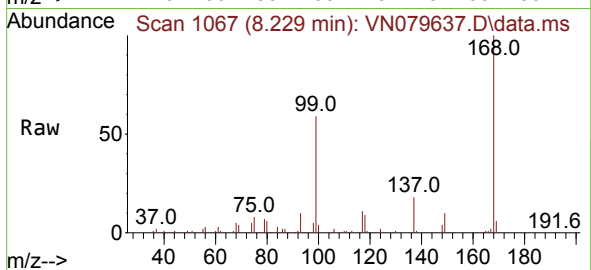
Lab File: VN079637.D

Acq: 23 Oct 2023 10:26

Instrument :

MSVOA_N

ClientSampleId :



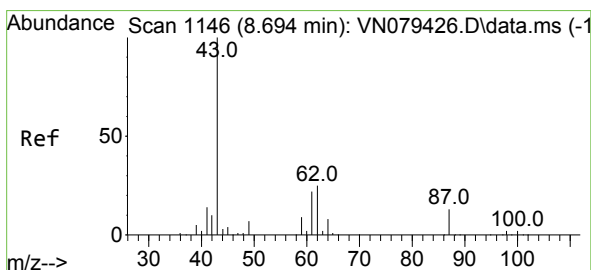
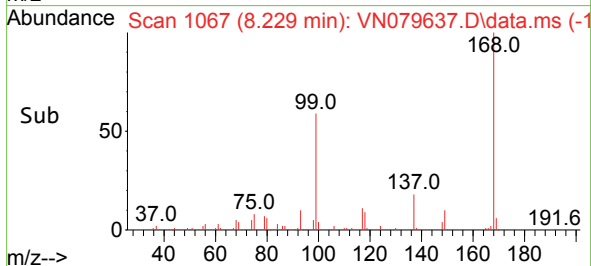
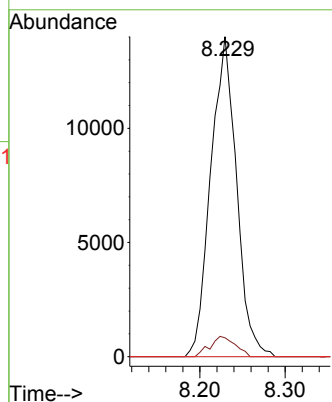
Tgt Ion:117 Resp: 29395

Ion Ratio Lower Upper

117 100

119 5.9 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 0.233 ug/l

RT: 8.759 min Scan# 1157

Delta R.T. 0.065 min

Lab File: VN079637.D

Acq: 23 Oct 2023 10:26

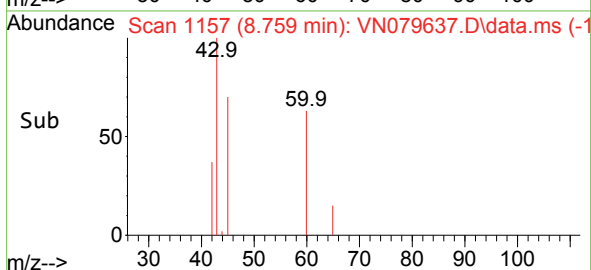
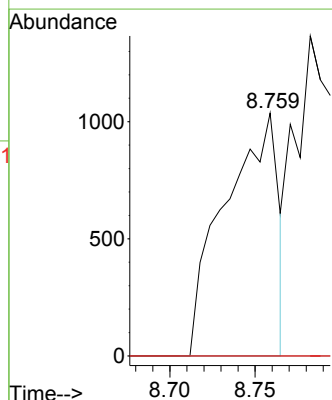
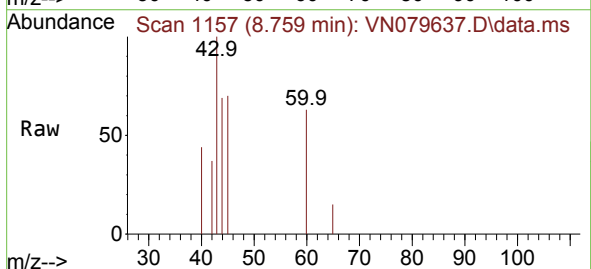
Tgt Ion: 43 Resp: 2254

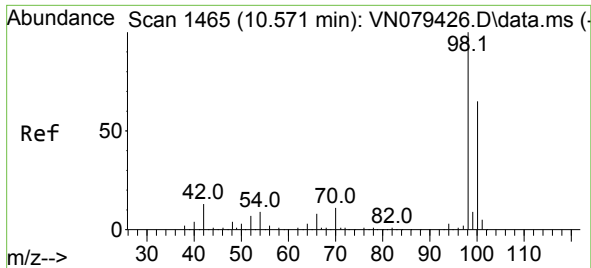
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

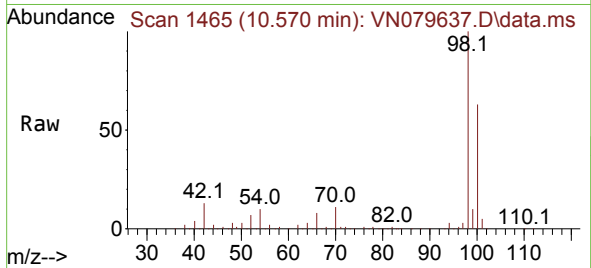
87 0.0 14.6 21.8#



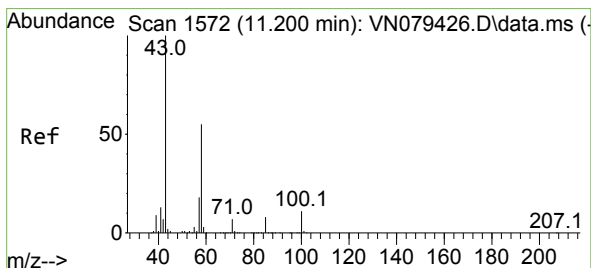
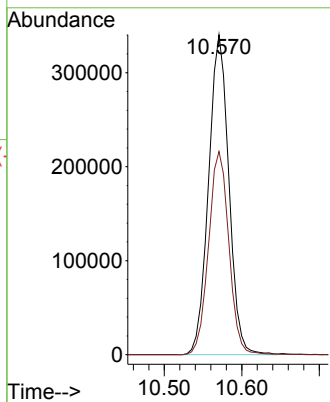
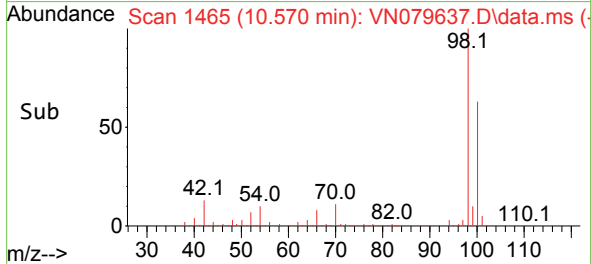


#50
Toluene-d8
Concen: 46.227 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079637.D
Acq: 23 Oct 2023 10:26

Instrument :
MSVOA_N
ClientSampleId :

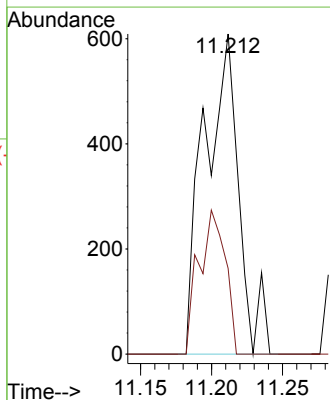
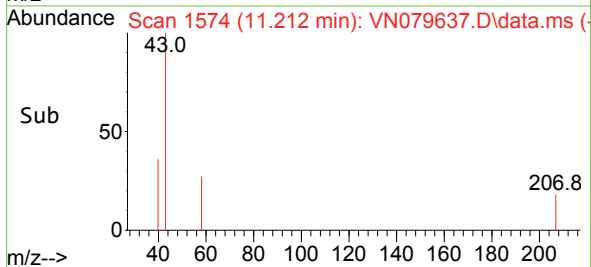
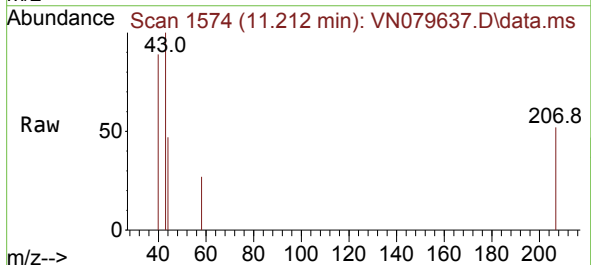


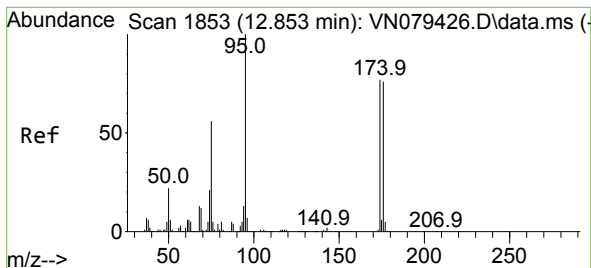
Tgt Ion: 98 Resp: 619111
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0



#59
2-Hexanone
Concen: 0.260 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN079637.D
Acq: 23 Oct 2023 10:26

Tgt Ion: 43 Resp: 1024
Ion Ratio Lower Upper
43 100
58 34.7 31.7 95.1

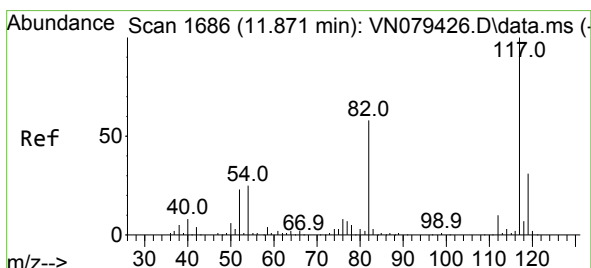
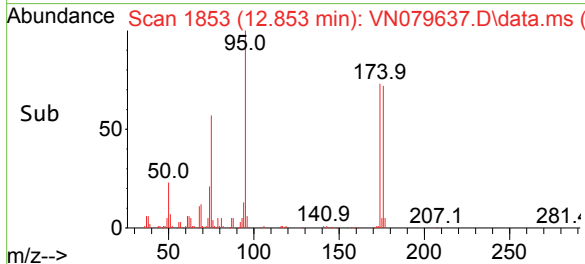
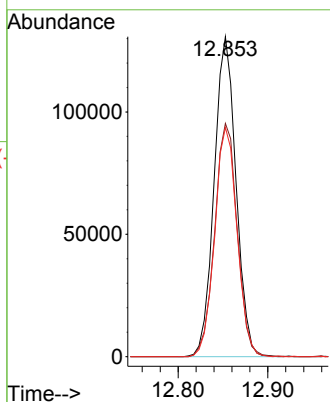
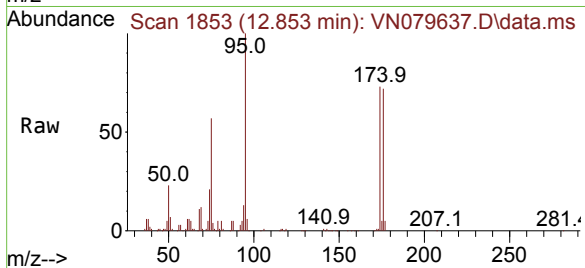




#62
4-Bromofluorobenzene
Concen: 51.352 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079637.D
Acq: 23 Oct 2023 10:26

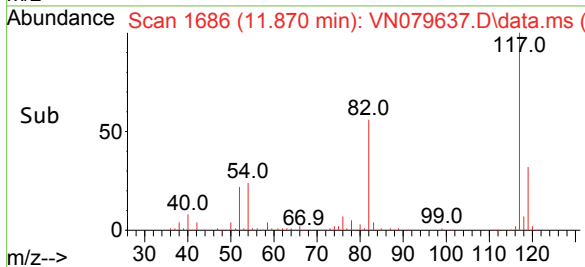
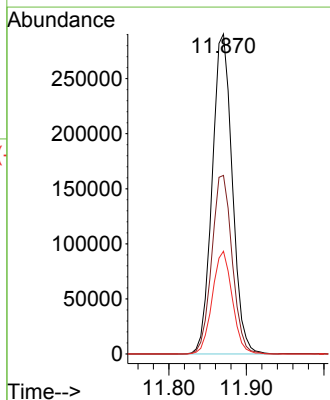
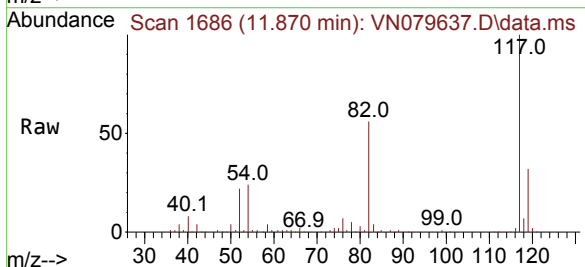
Instrument :
MSVOA_N
ClientSampleId :

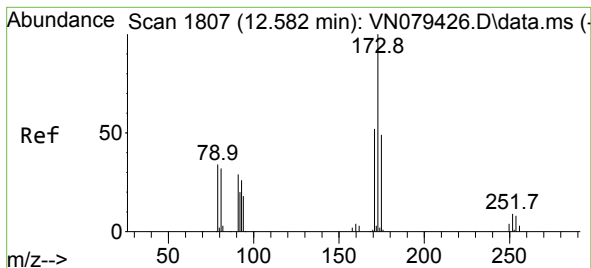
Tgt Ion: 95 Resp: 220715
Ion Ratio Lower Upper
95 100
174 75.3 0.0 143.8
176 73.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079637.D
Acq: 23 Oct 2023 10:26

Tgt Ion: 117 Resp: 524417
Ion Ratio Lower Upper
117 100
82 55.8 44.0 66.0
119 32.1 25.6 38.4





#71

Bromoform

Concen: 0.575 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.270 min

Lab File: VN079637.D

Acq: 23 Oct 2023 10:26

Instrument :

MSVOA_N

ClientSampleId :

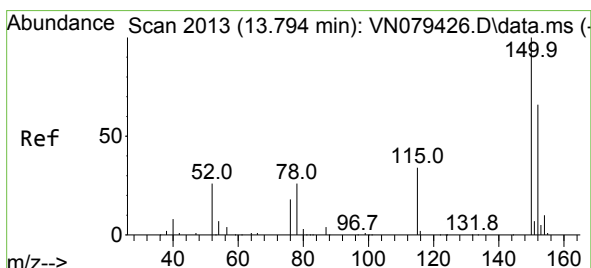
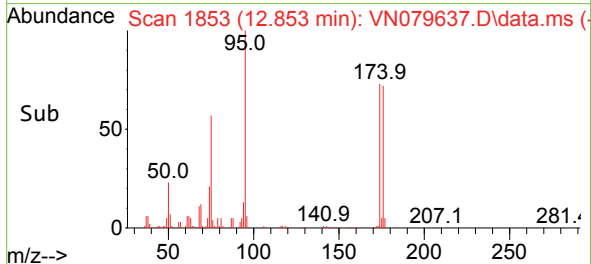
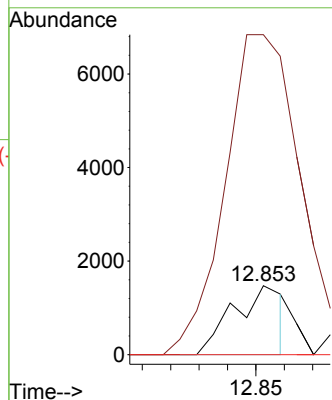
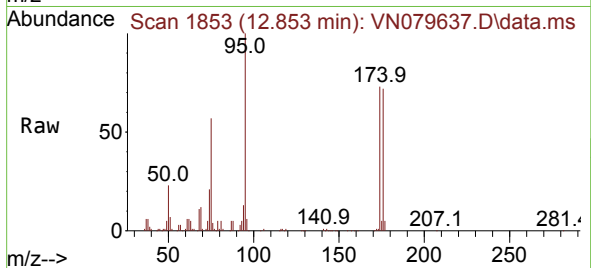
Tgt Ion:173 Resp: 1800

Ion Ratio Lower Upper

173 100

175 542.6 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# 2013

Delta R.T. -0.000 min

Lab File: VN079637.D

Acq: 23 Oct 2023 10:26

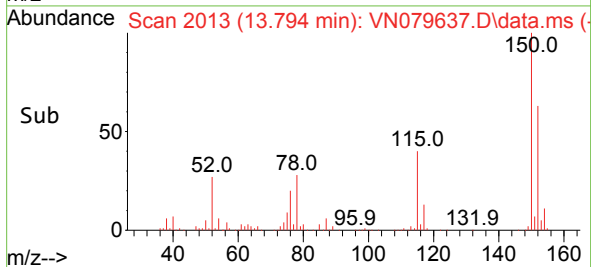
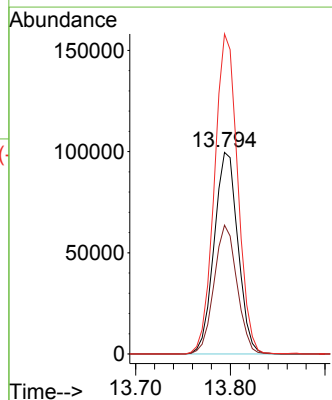
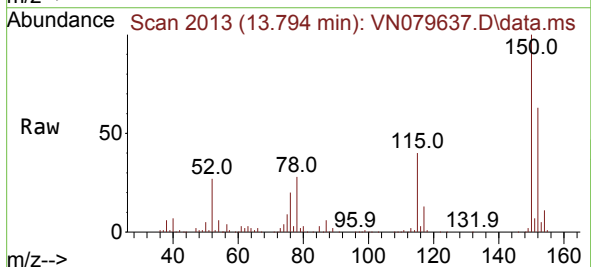
Tgt Ion:152 Resp: 173545

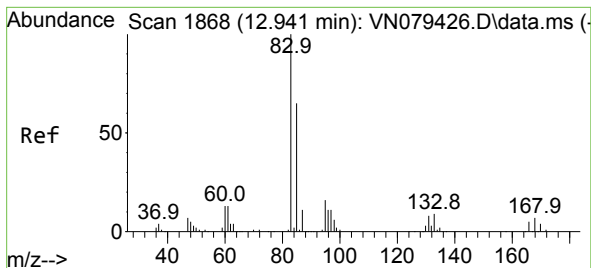
Ion Ratio Lower Upper

152 100

115 61.8 32.3 96.8

150 155.3 0.0 355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.953 min Scan# 1853

Delta R.T. 0.012 min

Lab File: VN079637.D

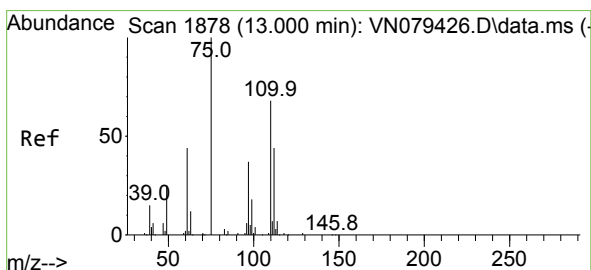
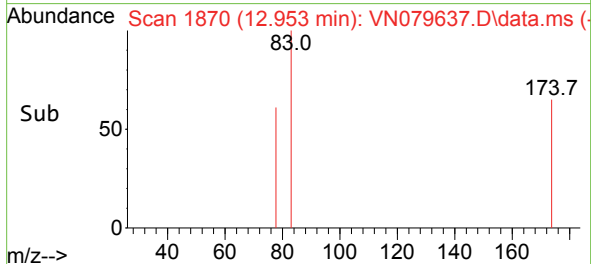
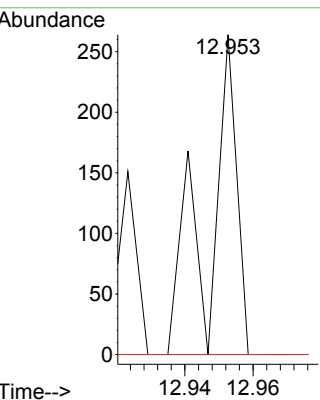
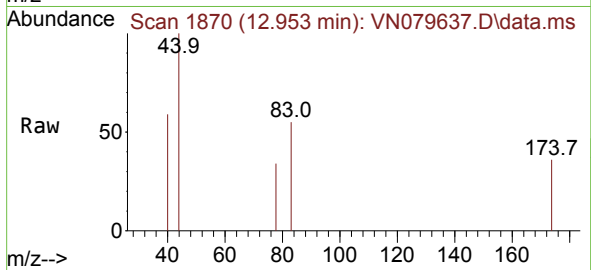
Acq: 23 Oct 2023 10:26

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 83	Resp:	152
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: 24.663 ug/l

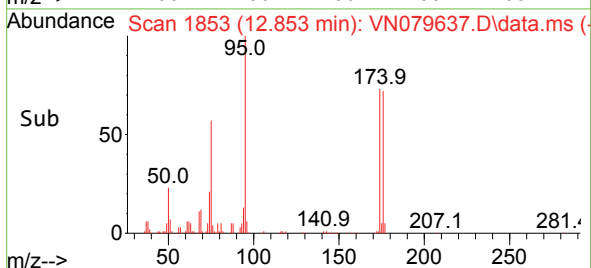
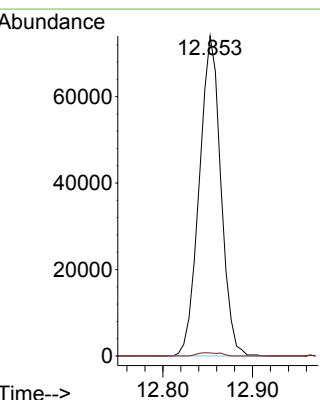
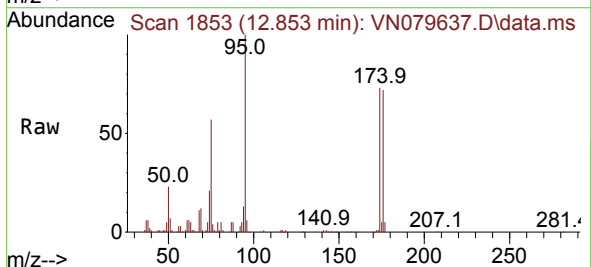
RT: 12.853 min Scan# 1853

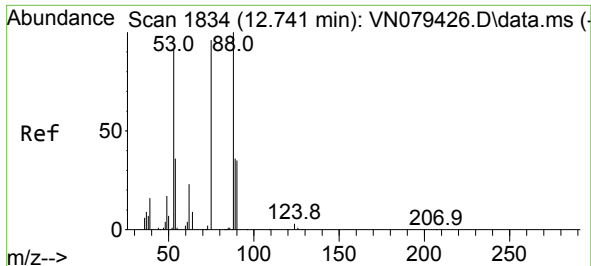
Delta R.T. -0.147 min

Lab File: VN079637.D

Acq: 23 Oct 2023 10:26

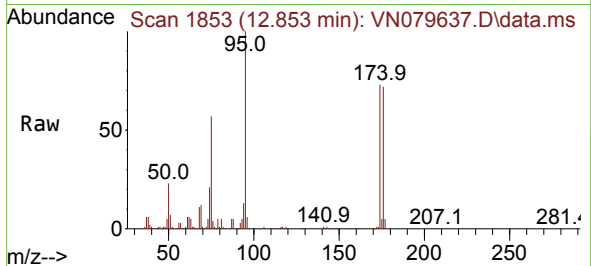
Tgt Ion: 75	Resp:	123406
Ion Ratio	Lower	Upper
75	100	
77	1.1	84.5 253.5#



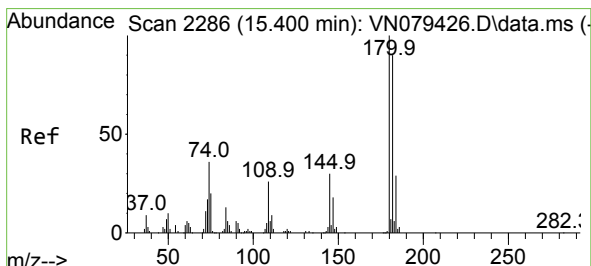
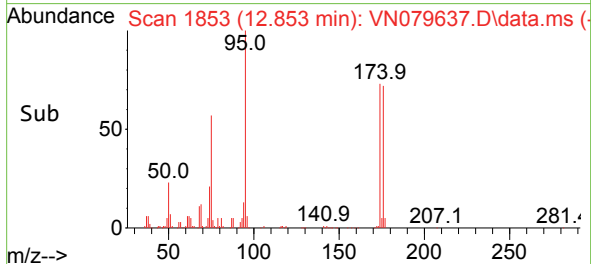
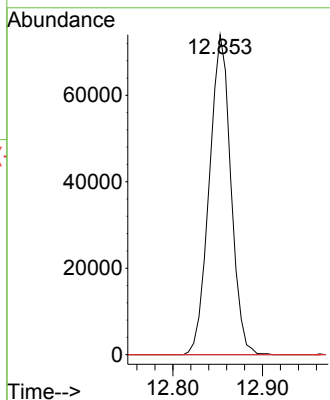


#81
trans-1,4-Dichloro-2-butene
Concen: 71.560 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079637.D
Acq: 23 Oct 2023 10:26

Instrument :
MSVOA_N
ClientSampleId :

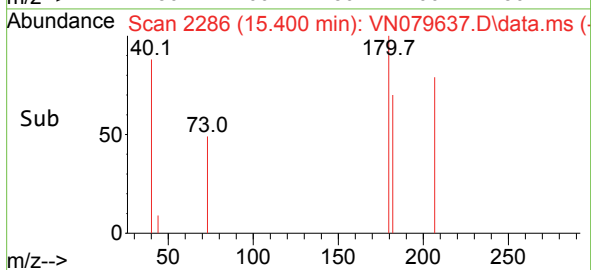
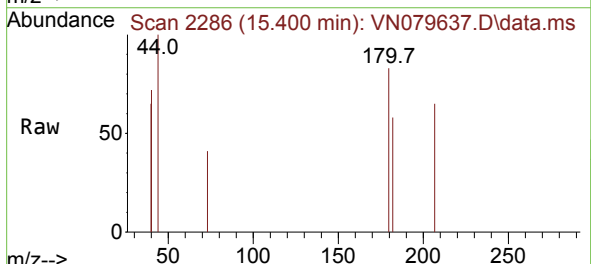
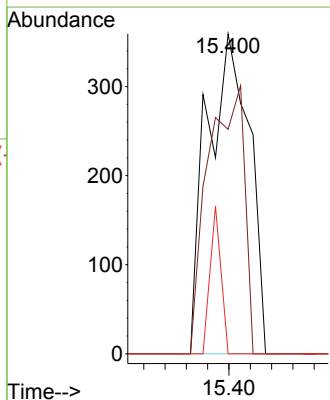


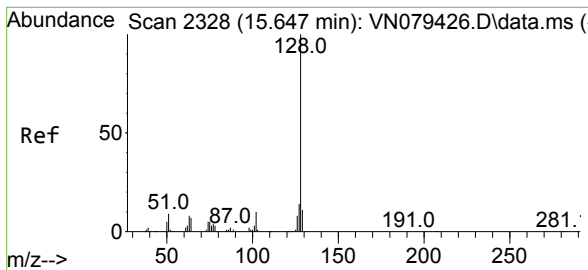
Tgt Ion: 75 Resp: 123406
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.260 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VN079637.D
Acq: 23 Oct 2023 10:26

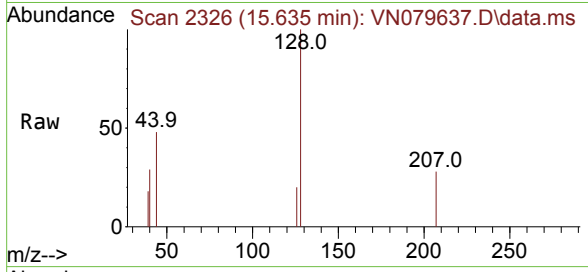
Tgt Ion:180 Resp: 493
Ion Ratio Lower Upper
180 100
182 72.0 46.1 138.2
145 12.0 16.6 49.8#





#95
 Naphthalene
 Concen: 0.346 ug/l
 RT: 15.635 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VN079637.D
 Acq: 23 Oct 2023 10:26

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	2003
Ion	Ratio	Lower	Upper
128	100		
127	3.0	10.0	15.0#
129	0.0	8.7	13.1#

