

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102623\
 Data File : VN079701.D
 Acq On : 26 Oct 2023 17:48
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 27 01:23:50 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)

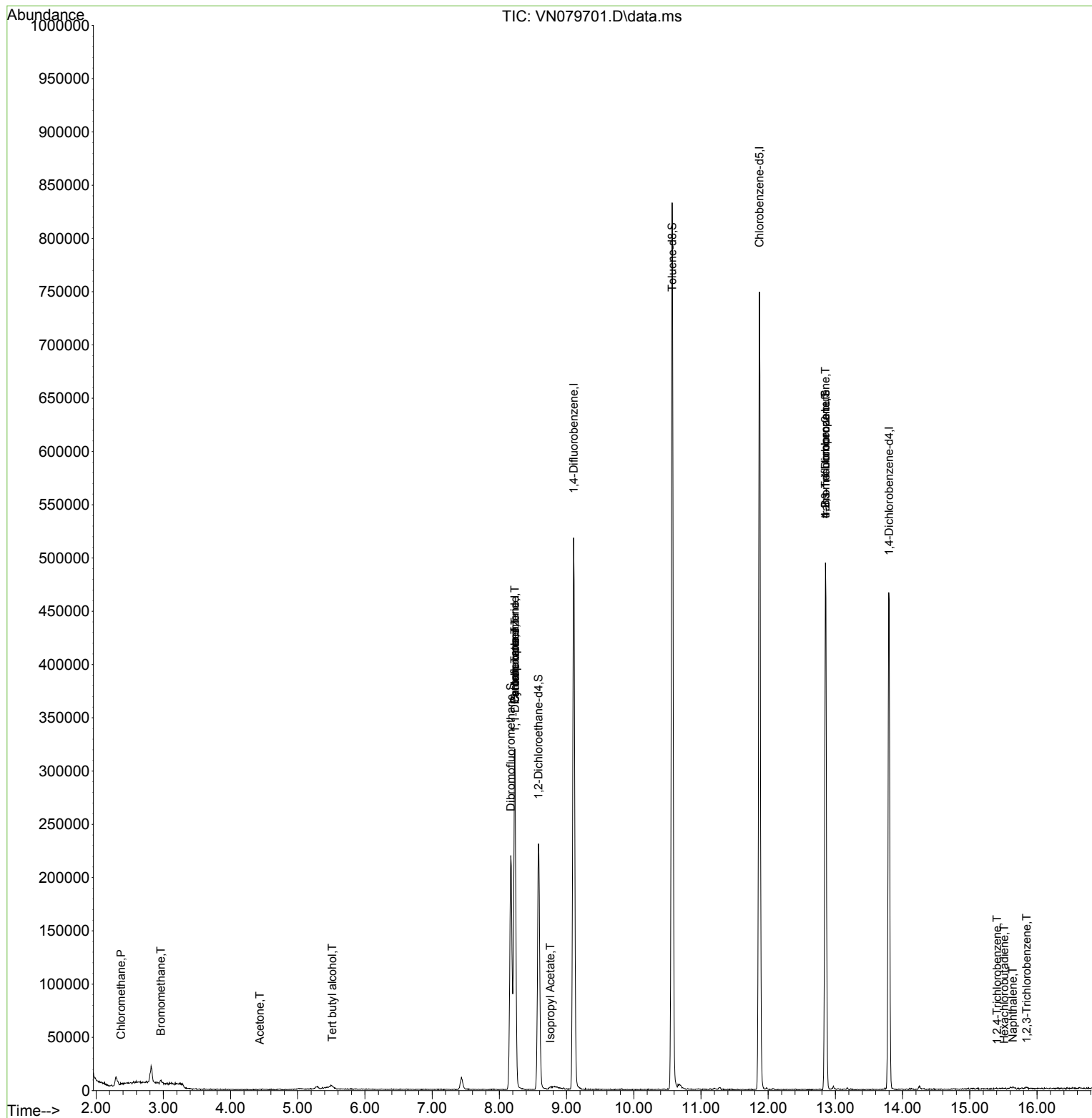
Internal Standards						
1) Pentafluorobenzene	8.230	168	217247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	435641	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	428402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	120027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	188816	53.603	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.200%	
35) Dibromofluoromethane	8.171	113	154992	49.508	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.020%	
50) Toluene-d8	10.571	98	564452	49.829	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.660%	
62) 4-Bromofluorobenzene	12.853	95	167535	46.086	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.180%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1265	0.326	ug/l #	42
5) Bromomethane	2.965	94	1596	0.660	ug/l #	77
11) Tert butyl alcohol	5.512	59	1850	3.490	ug/l #	72
16) Acetone	4.436	43	593	0.424	ug/l #	40
20) Methylene Chloride	5.277	84	1188	Below Cal	#	79
31) Cyclohexane	8.230	56	6071	1.215	ug/l #	48
36) 1,1-Dichloropropene	8.235	75	20341	4.329	ug/l #	47
38) Carbon Tetrachloride	8.230	117	24305	5.167	ug/l #	17
43) Isopropyl Acetate	8.759	43	1653	0.202	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.929	83	53	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	92113	26.617	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	92113	77.230	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.406	180	335	0.255	ug/l	65
94) Hexachlorobutadiene	15.511	225	228	0.223	ug/l #	57
95) Naphthalene	15.641	128	1771	0.442	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.847	180	440	0.281	ug/l	83

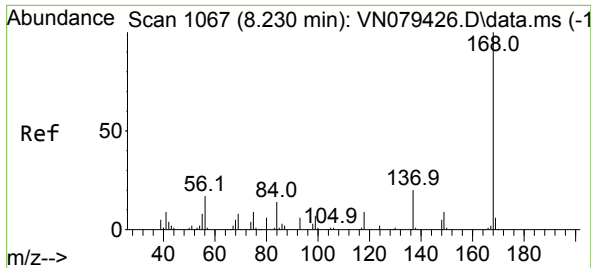
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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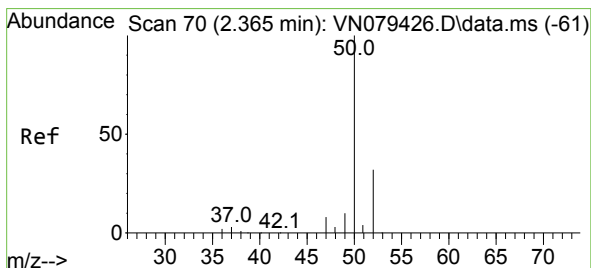
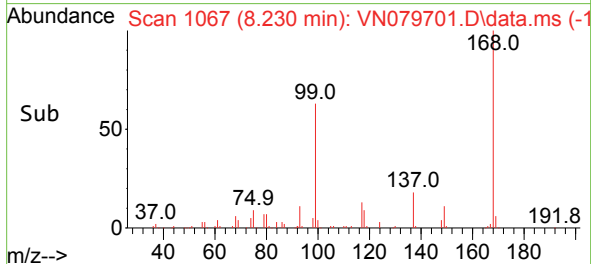
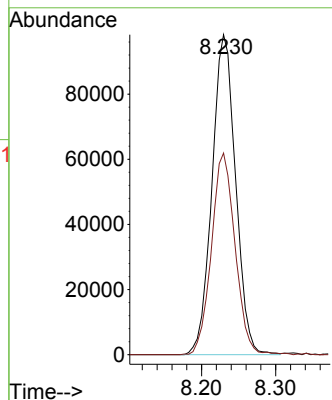
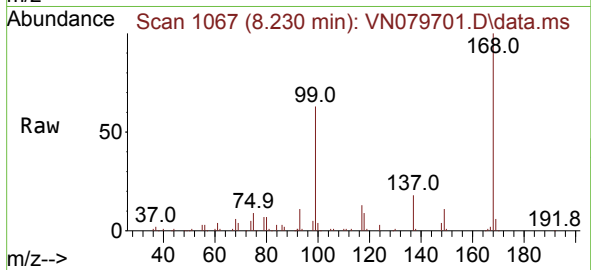




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079701.D
Acq: 26 Oct 2023 17:48

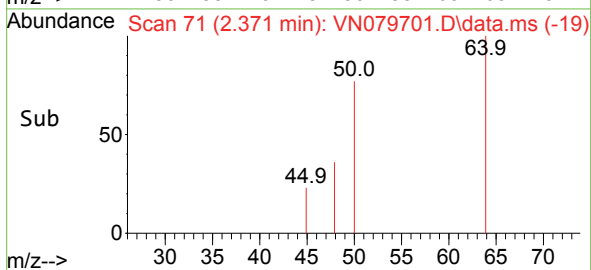
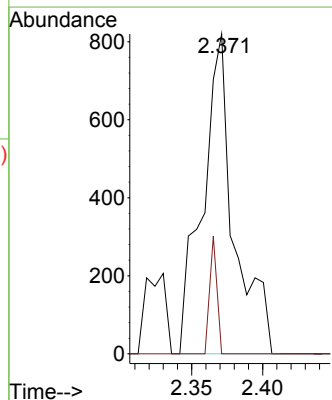
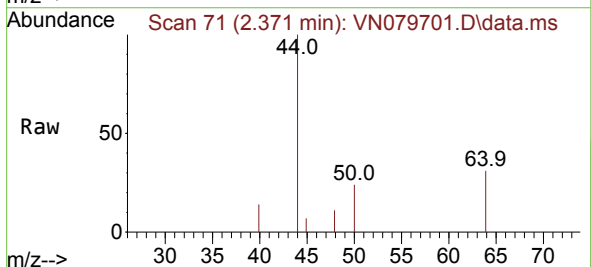
Instrument :
MSVOA_N
ClientSampleId :

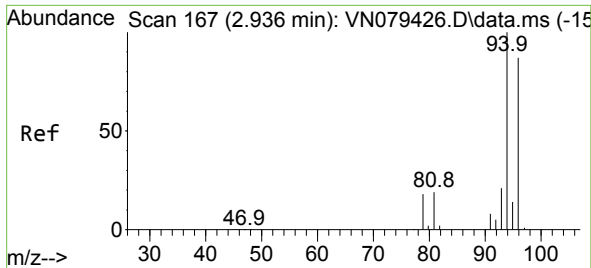
Tgt Ion:168 Resp: 217247
Ion Ratio Lower Upper
168 100
99 63.0 53.0 79.6



#3
Chloromethane
Concen: 0.326 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN079701.D
Acq: 26 Oct 2023 17:48

Tgt Ion: 50 Resp: 1265
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#





#5

Bromomethane

Concen: 0.660 ug/l

RT: 2.965 min Scan# 11

Delta R.T. 0.029 min

Lab File: VN079701.D

Acq: 26 Oct 2023 17:48

Instrument :

MSVOA_N

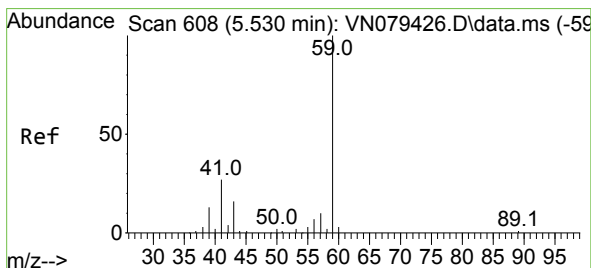
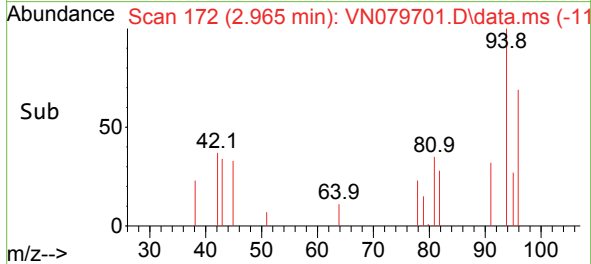
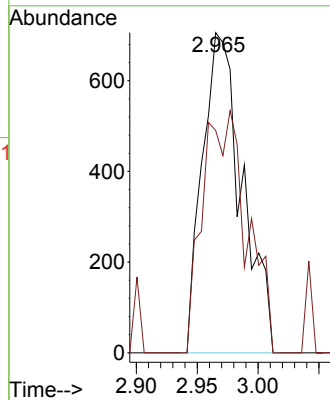
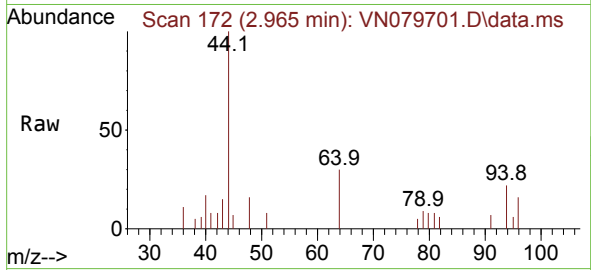
ClientSampleId :

Tgt Ion: 94 Resp: 1596

Ion Ratio Lower Upper

94 100

96 69.4 73.1 109.7#



#11

Tert butyl alcohol

Concen: 3.490 ug/l

RT: 5.512 min Scan# 605

Delta R.T. -0.018 min

Lab File: VN079701.D

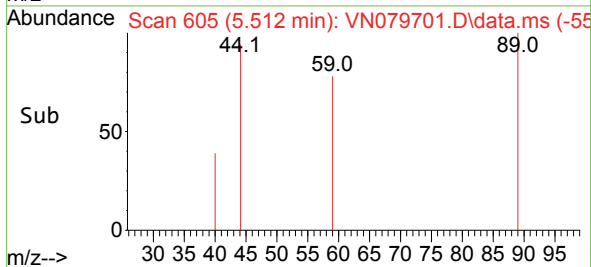
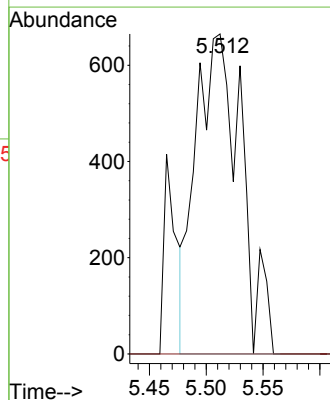
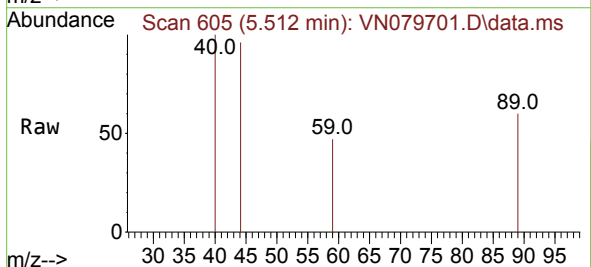
Acq: 26 Oct 2023 17:48

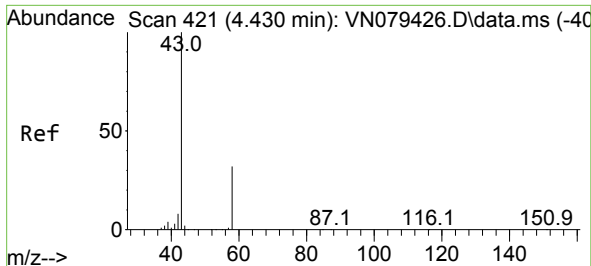
Tgt Ion: 59 Resp: 1850

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#16

Acetone

Concen: 0.424 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.006 min

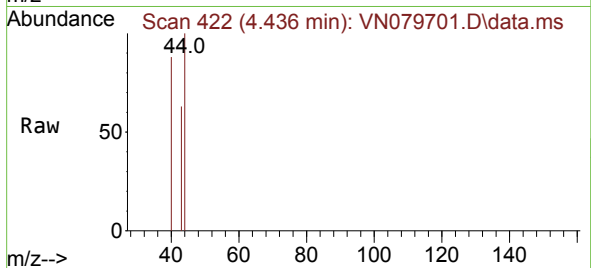
Lab File: VN079701.D

Acq: 26 Oct 2023 17:48

Instrument :

MSVOA_N

ClientSampleId :

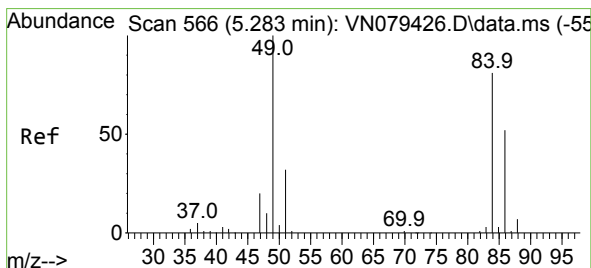
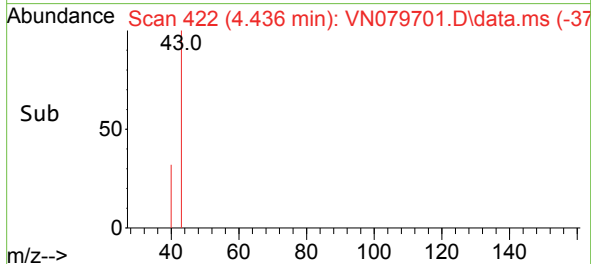
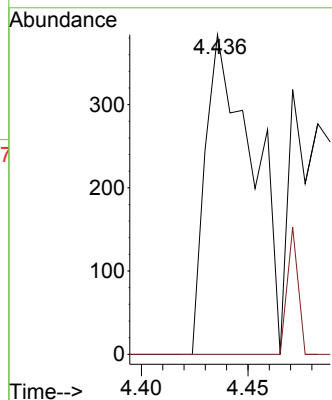


Tgt Ion: 43 Resp: 593

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.277 min Scan# 565

Delta R.T. -0.006 min

Lab File: VN079701.D

Acq: 26 Oct 2023 17:48

Tgt Ion: 84 Resp: 1188

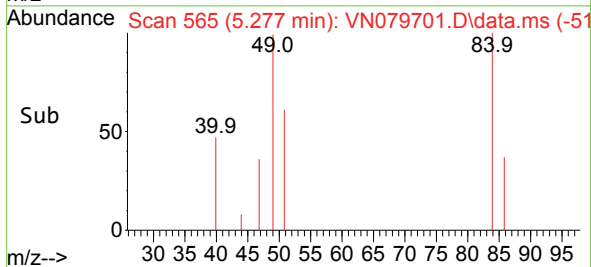
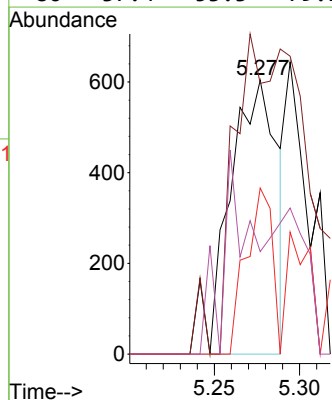
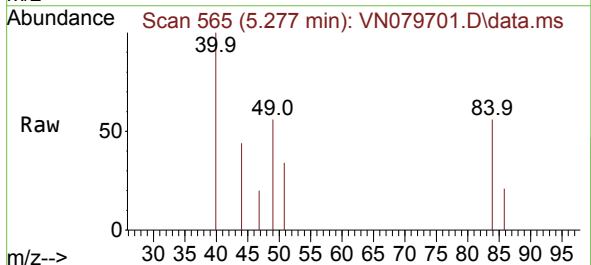
Ion Ratio Lower Upper

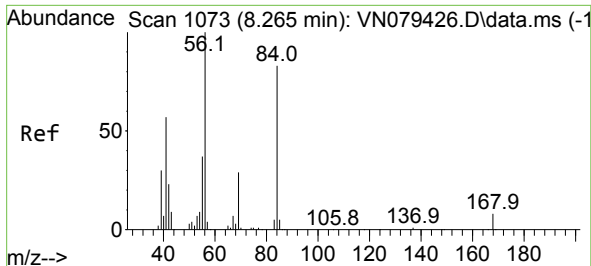
84 100

49 98.8 79.7 119.5

51 60.6 25.2 37.8#

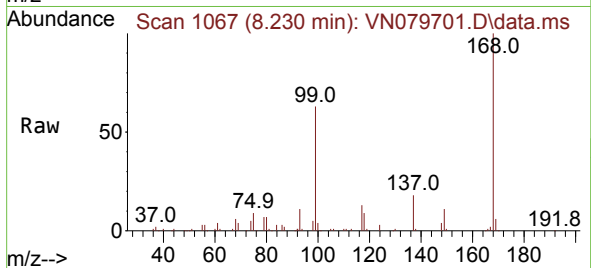
86 37.4 53.3 79.9#



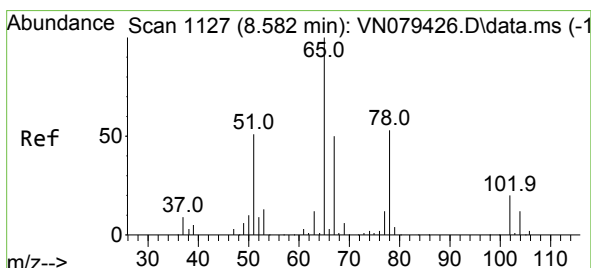
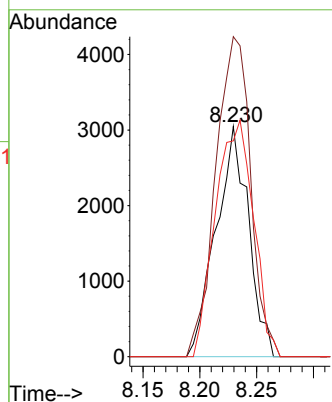
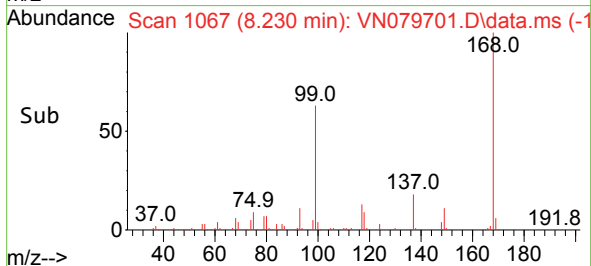


#31
Cyclohexane
Concen: 1.215 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079701.D
Acq: 26 Oct 2023 17:48

Instrument :
MSVOA_N
ClientSampleId :

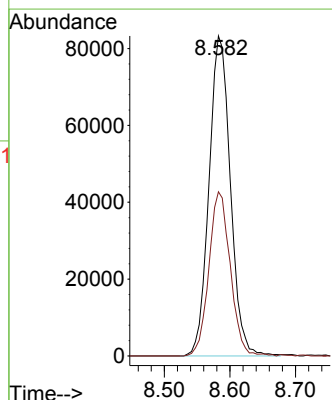
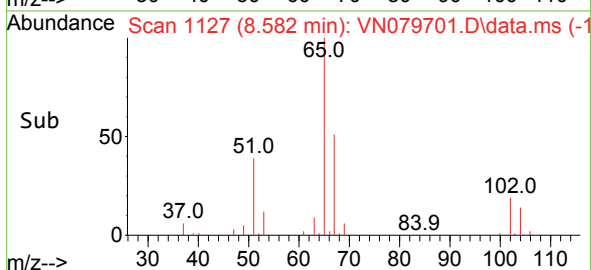
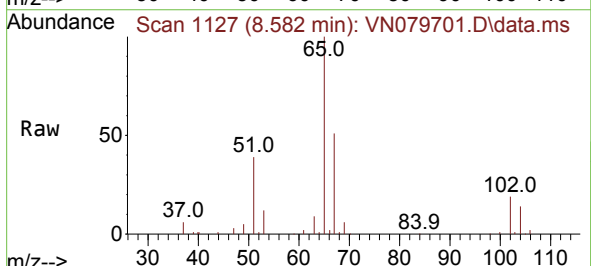


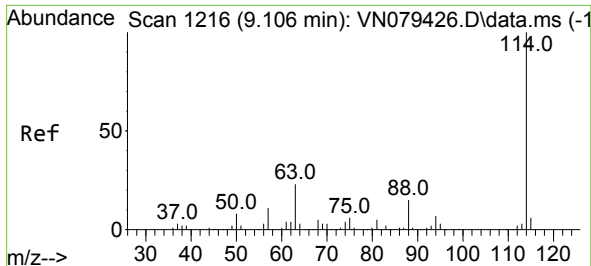
Tgt Ion: 56 Resp: 6071
Ion Ratio Lower Upper
56 100
69 139.1 26.8 40.2#
84 93.8 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 53.603 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079701.D
Acq: 26 Oct 2023 17:48

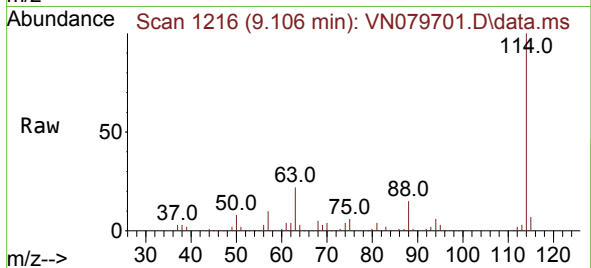
Tgt Ion: 65 Resp: 188816
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.6



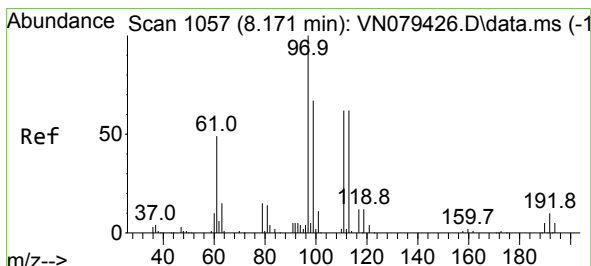
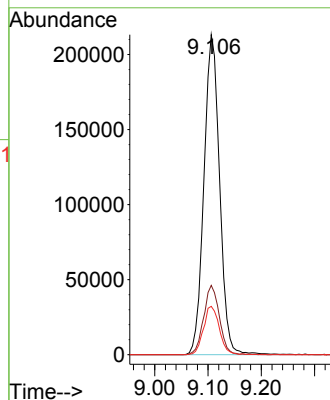
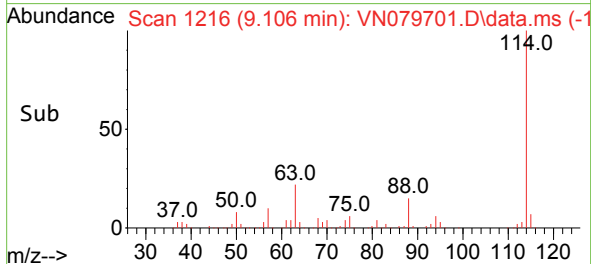


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079701.D
Acq: 26 Oct 2023 17:48

Instrument :
MSVOA_N
ClientSampleId :

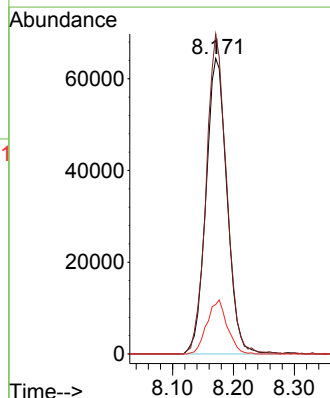
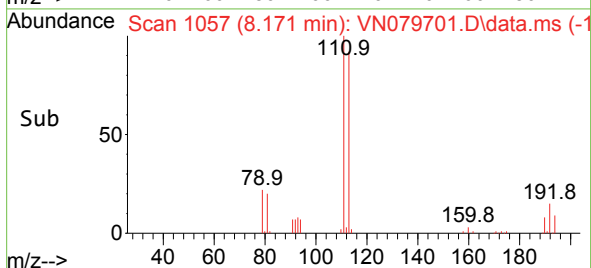
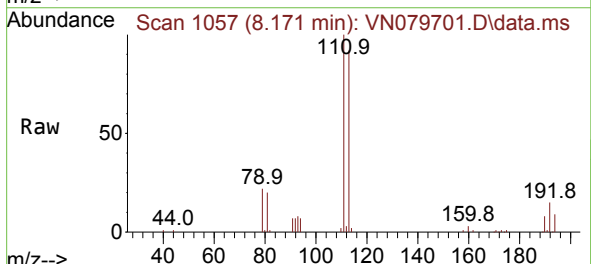


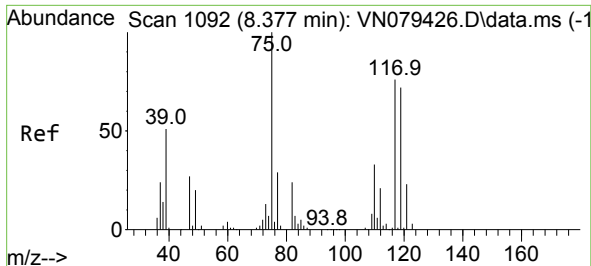
Tgt Ion:114 Resp: 435641
Ion Ratio Lower Upper
114 100
63 21.6 0.0 36.4
88 15.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.508 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079701.D
Acq: 26 Oct 2023 17:48

Tgt Ion:113 Resp: 154992
Ion Ratio Lower Upper
113 100
111 104.6 82.6 123.8
192 17.6 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.329 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.141 min

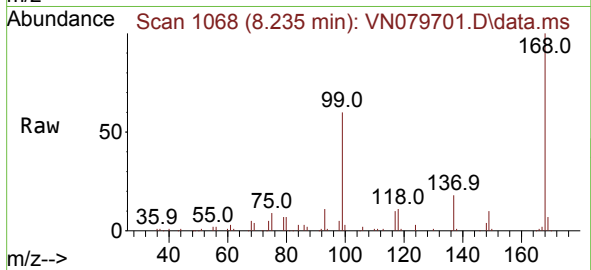
Lab File: VN079701.D

Acq: 26 Oct 2023 17:48

Instrument :

MSVOA_N

ClientSampleId :



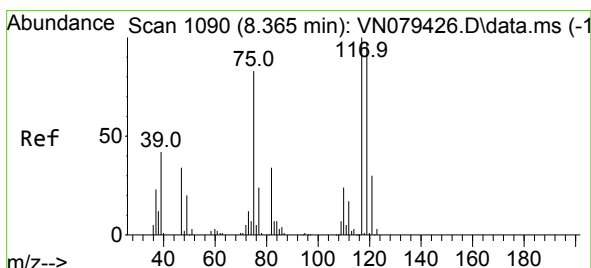
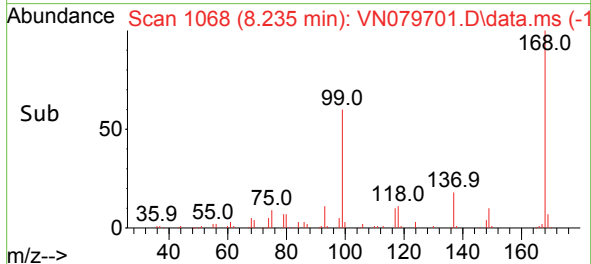
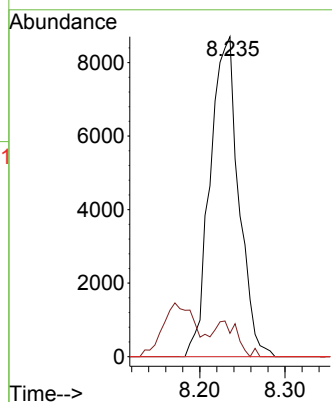
Tgt Ion: 75 Resp: 20341

Ion Ratio Lower Upper

75 100

110 8.3 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.167 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN079701.D

Acq: 26 Oct 2023 17:48

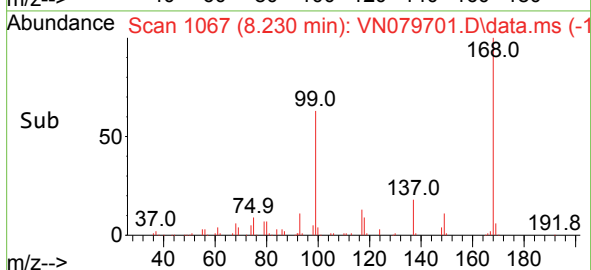
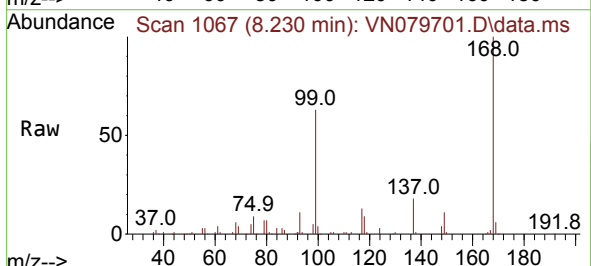
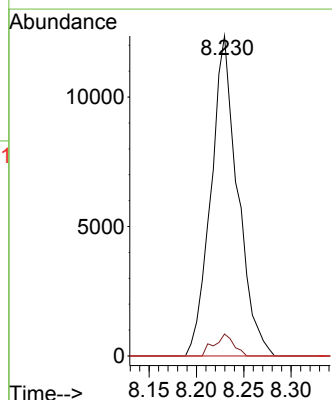
Tgt Ion: 117 Resp: 24305

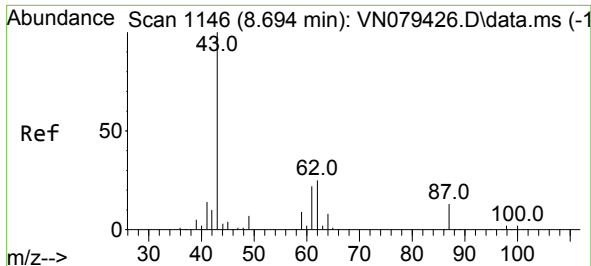
Ion Ratio Lower Upper

117 100

119 6.9 77.3 115.9#

121 0.0 23.3 34.9#

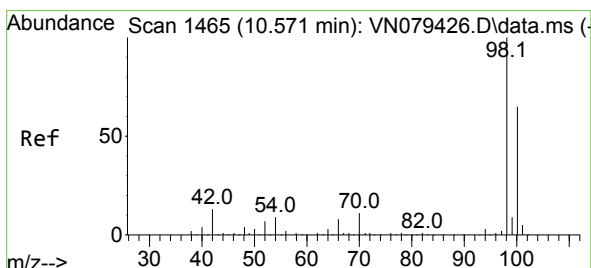
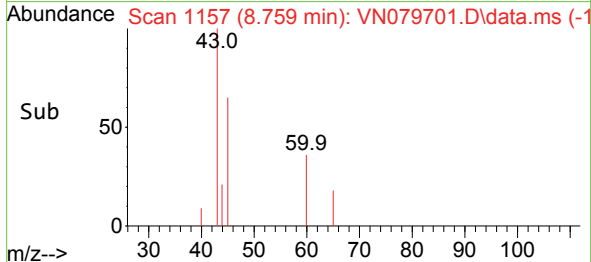
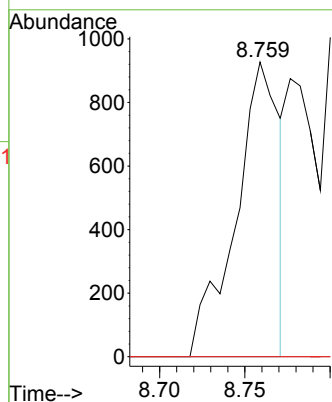
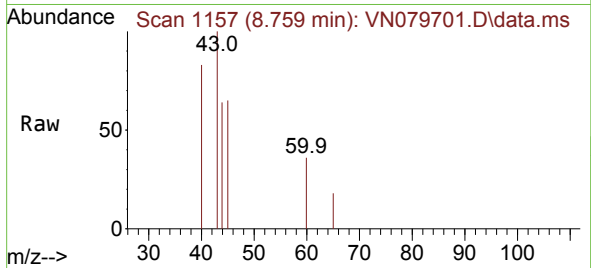




#43
Isopropyl Acetate
Concen: 0.202 ug/l
RT: 8.759 min Scan# 1157
Delta R.T. 0.065 min
Lab File: VN079701.D
Acq: 26 Oct 2023 17:48

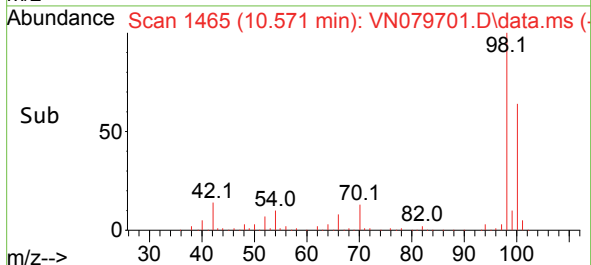
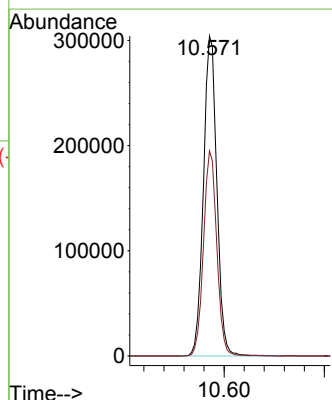
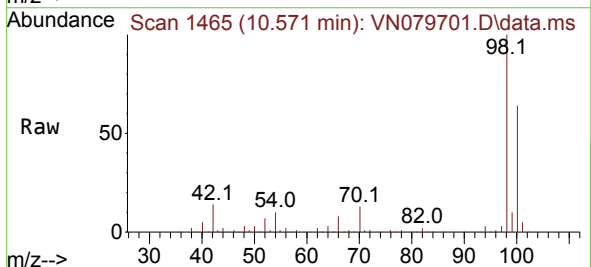
Instrument :
MSVOA_N
ClientSampleId :

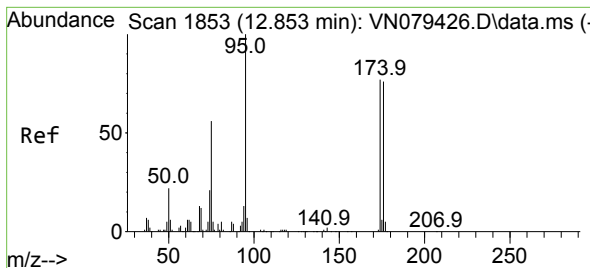
Tgt Ion: 43 Resp: 1653
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 49.829 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079701.D
Acq: 26 Oct 2023 17:48

Tgt Ion: 98 Resp: 564452
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0

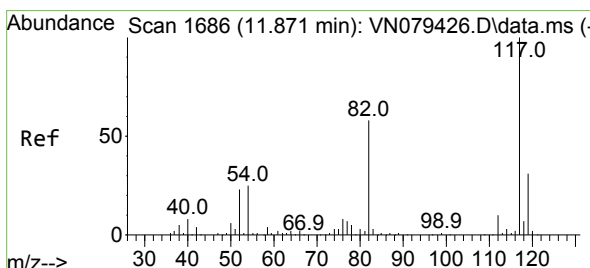
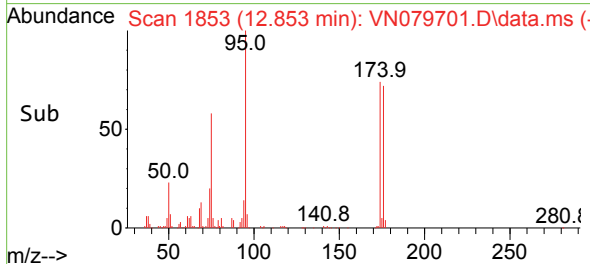
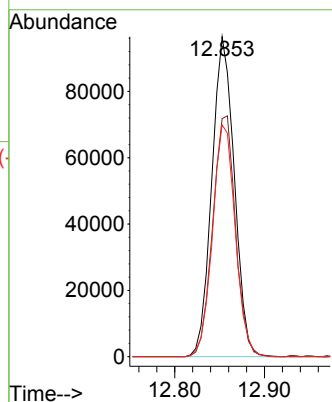
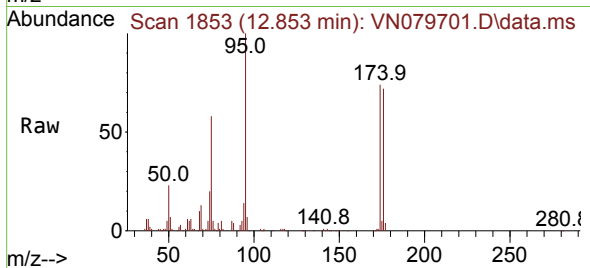




#62
4-Bromofluorobenzene
Concen: 46.086 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079701.D
Acq: 26 Oct 2023 17:48

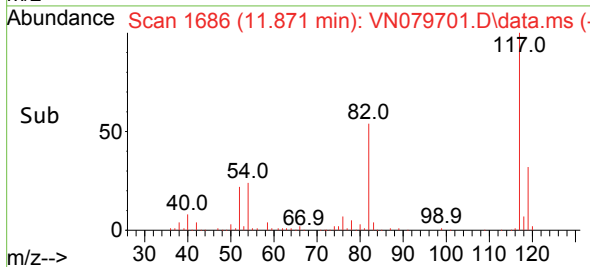
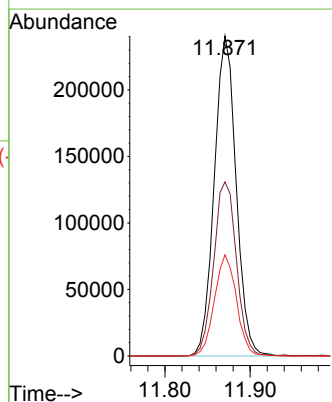
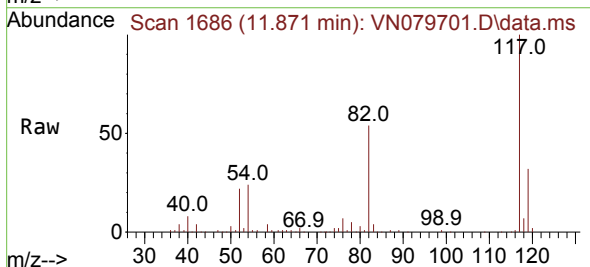
Instrument :
MSVOA_N
ClientSampleId :

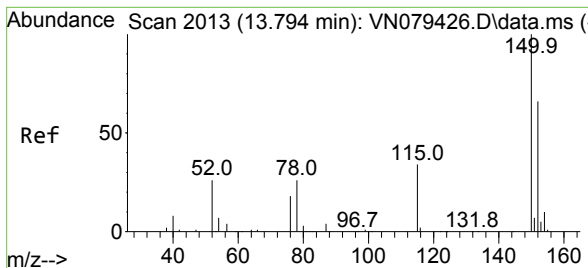
Tgt Ion: 95 Resp: 167535
Ion Ratio Lower Upper
95 100
174 76.5 0.0 143.8
176 73.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079701.D
Acq: 26 Oct 2023 17:48

Tgt Ion: 117 Resp: 428402
Ion Ratio Lower Upper
117 100
82 54.4 44.0 66.0
119 31.6 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN079701.D

Acq: 26 Oct 2023 17:48

Instrument :

MSVOA_N

ClientSampleId :

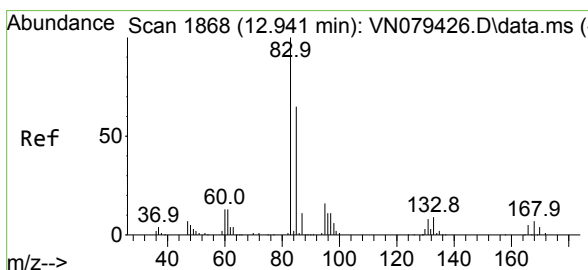
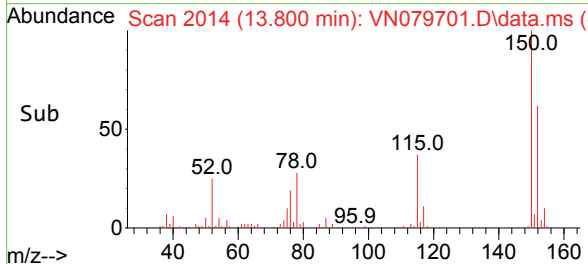
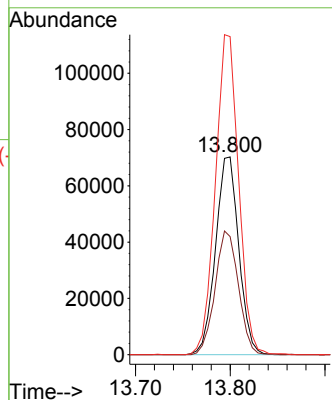
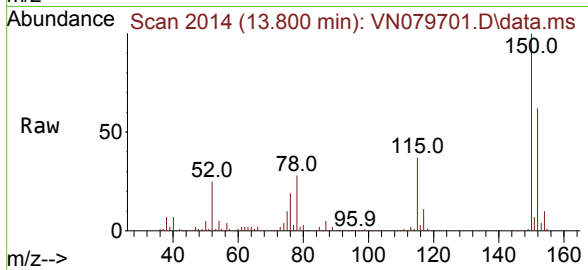
Tgt Ion:152 Resp: 120027

Ion Ratio Lower Upper

152 100

115 62.8 32.3 96.8

150 161.5 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.929 min Scan# 1866

Delta R.T. -0.012 min

Lab File: VN079701.D

Acq: 26 Oct 2023 17:48

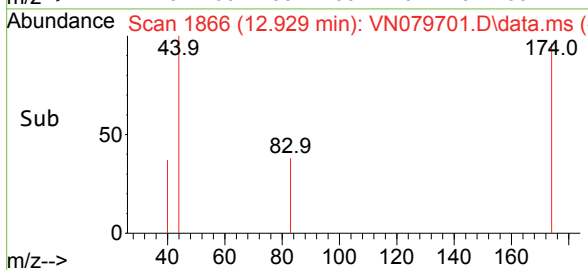
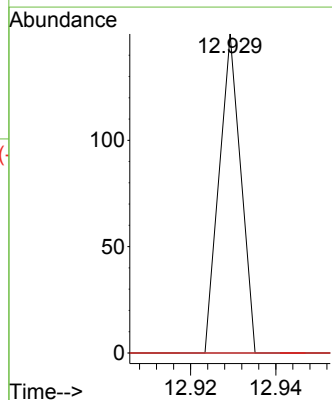
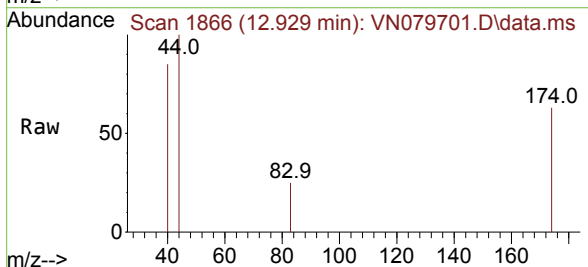
Tgt Ion: 83 Resp: 53

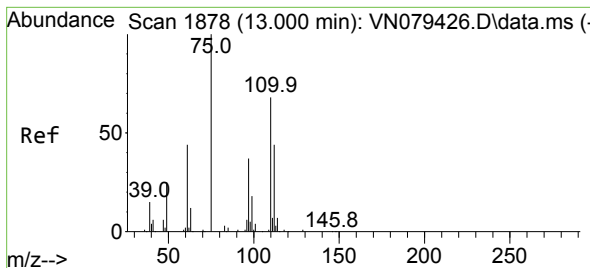
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 26.617 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079701.D

Acq: 26 Oct 2023 17:48

Instrument :

MSVOA_N

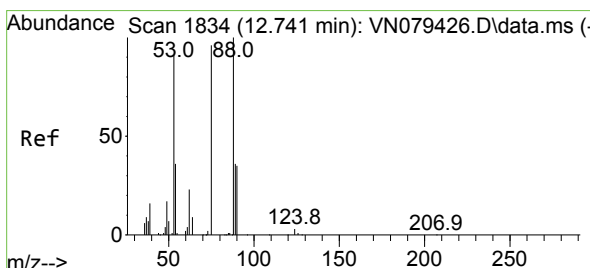
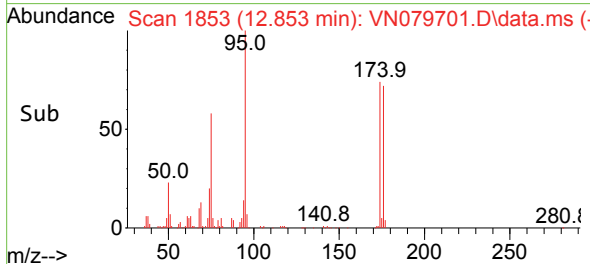
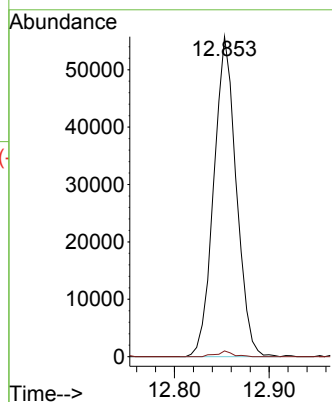
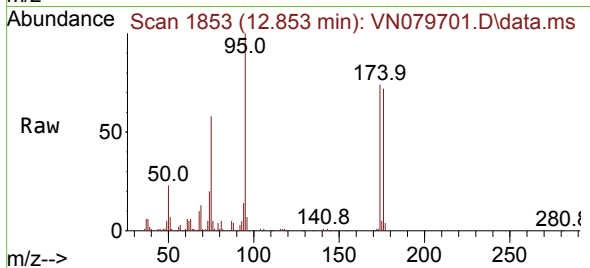
ClientSampleId :

Tgt Ion: 75 Resp: 92113

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.230 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079701.D

Acq: 26 Oct 2023 17:48

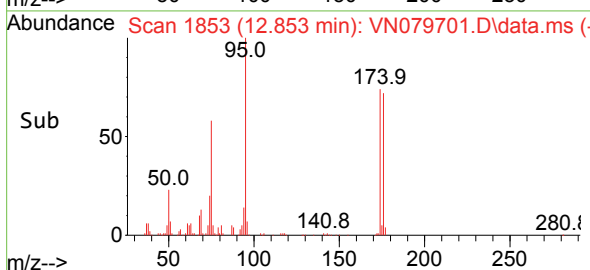
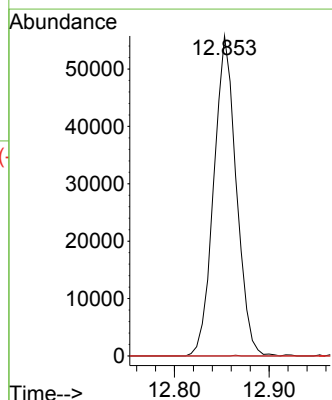
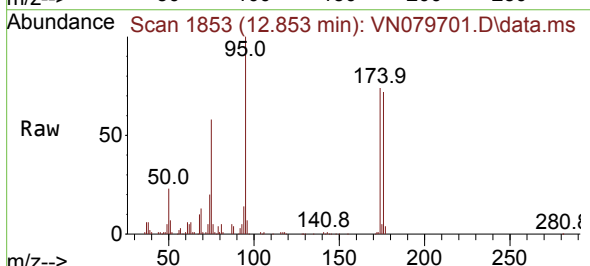
Tgt Ion: 75 Resp: 92113

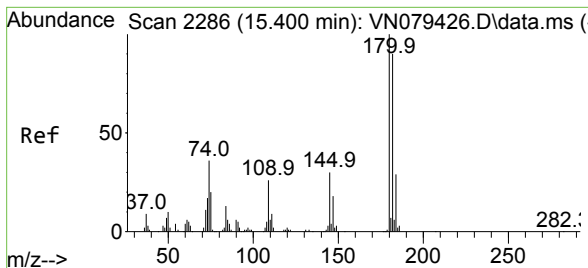
Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.255 ug/l

RT: 15.406 min Scan# 21

Delta R.T. 0.006 min

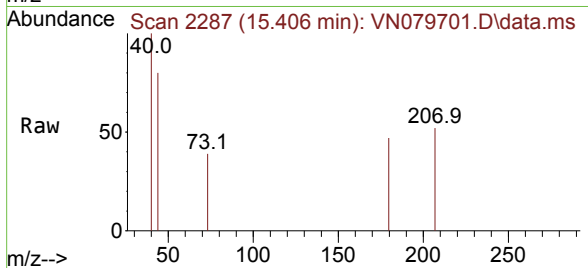
Lab File: VN079701.D

Acq: 26 Oct 2023 17:48

Instrument :

MSVOA_N

ClientSampleId :



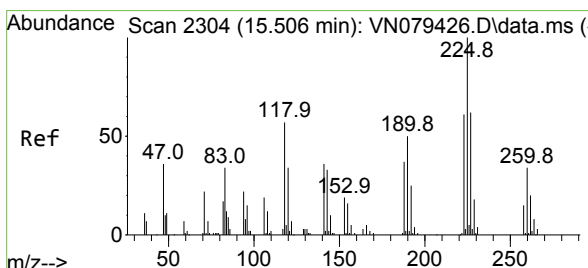
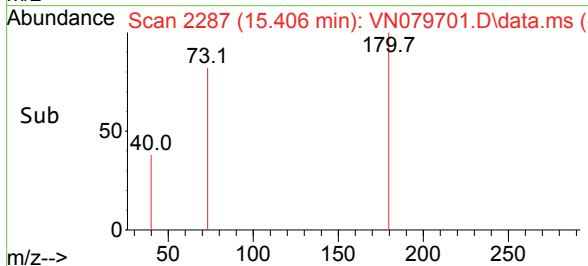
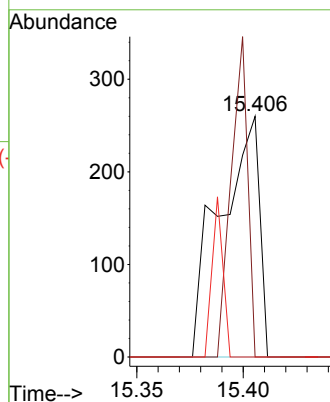
Tgt Ion:180 Resp: 335

Ion Ratio Lower Upper

180 100

182 55.8 46.1 138.2

145 18.2 16.6 49.8



#94

Hexachlorobutadiene

Concen: 0.223 ug/l

RT: 15.511 min Scan# 2305

Delta R.T. 0.006 min

Lab File: VN079701.D

Acq: 26 Oct 2023 17:48

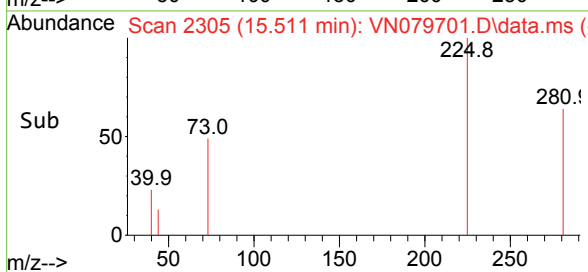
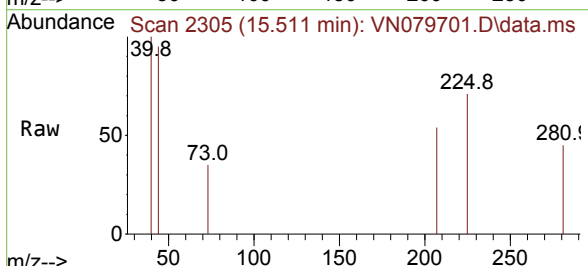
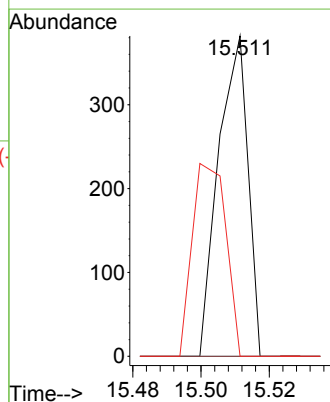
Tgt Ion:225 Resp: 228

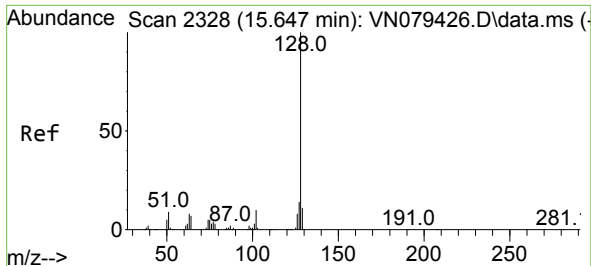
Ion Ratio Lower Upper

225 100

223 0.0 31.3 93.8#

227 68.9 31.9 95.9

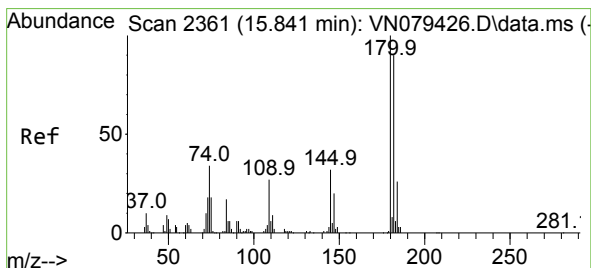
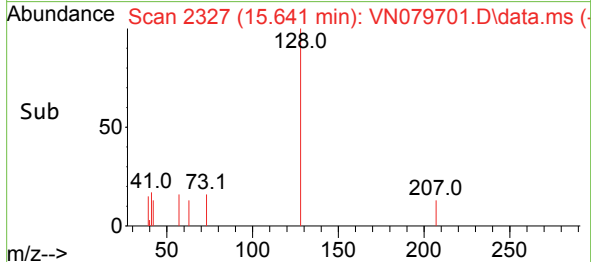
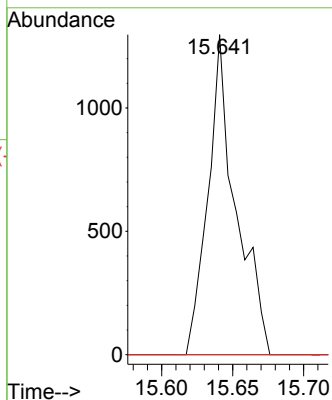
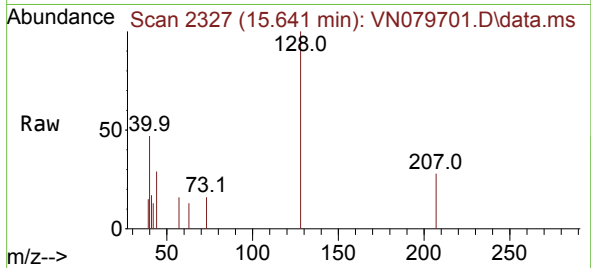




#95
Naphthalene
Concen: 0.442 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN079701.D
Acq: 26 Oct 2023 17:48

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 1771
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.281 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.006 min
Lab File: VN079701.D
Acq: 26 Oct 2023 17:48

Tgt Ion:180 Resp: 440
Ion Ratio Lower Upper
180 100
182 80.2 46.2 138.6
145 18.4 17.5 52.6

