

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100923\
 Data File : VN079476.D
 Acq On : 09 Oct 2023 16:48
 Operator : JC\MD
 Sample : 04740-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 09 23:17:35 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

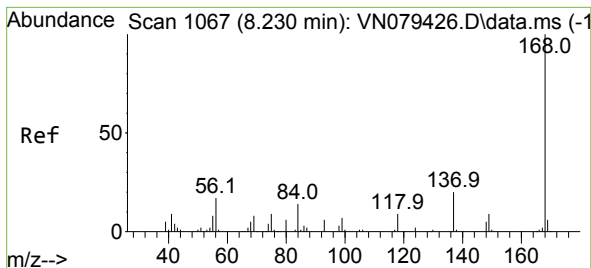
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	237566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	480981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	443543	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	133480	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	204398	53.064	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.120%			
35) Dibromofluoromethane	8.171	113	180662	52.267	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.540%			
50) Toluene-d8	10.571	98	559732	44.755	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.500%			
62) 4-Bromofluorobenzene	12.853	95	176568	43.992	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.980%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	930	0.219	ug/l #	80
5) Bromomethane	2.965	94	1031	0.390	ug/l #	41
6) Chloroethane	3.130	64	843	0.253	ug/l #	43
11) Tert butyl alcohol	5.512	59	172	0.297	ug/l #	72
16) Acetone	4.447	43	3207	2.099	ug/l #	74
17) Carbon Disulfide	4.712	76	1917	0.219	ug/l #	75
20) Methylene Chloride	5.283	84	55	Below Cal	#	1
30) Chloroform	7.965	83	1668	0.266	ug/l	97
31) Cyclohexane	8.229	56	6603	1.208	ug/l #	39
36) 1,1-Dichloropropene	8.229	75	22377	4.313	ug/l #	47
38) Carbon Tetrachloride	8.229	117	27467	5.289	ug/l #	17
43) Isopropyl Acetate	8.700	43	14244	1.575	ug/l #	49
44) Trichloroethene	9.359	130	994	0.274	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	1530	0.300	ug/l #	49
59) 2-Hexanone	11.206	43	1902	0.516	ug/l	65
60) Dibromochloromethane	11.118	129	1125	0.307	ug/l #	11
64) Tetrachloroethene	11.112	164	1327	0.435	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.941	83	271	Below Cal	#	53
76) 1,2,3-Trichloropropane	12.853	75	100282	26.057	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	100282	75.605	ug/l #	15
90) Hexachloroethane	14.064	117	82	Below Cal	#	21
93) 1,2,4-Trichlorobenzene	15.394	180	846	0.580	ug/l	76
94) Hexachlorobutadiene	15.500	225	498	0.438	ug/l #	61
95) Naphthalene	15.641	128	3227	0.724	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.847	180	1139	0.654	ug/l #	46

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

Quant Time: Oct 09 23:17:35 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 10

Delta R.T. -0.001 min

Lab File: VN079476.D

Acq: 09 Oct 2023 16:48

Instrument :

MSVOA_N

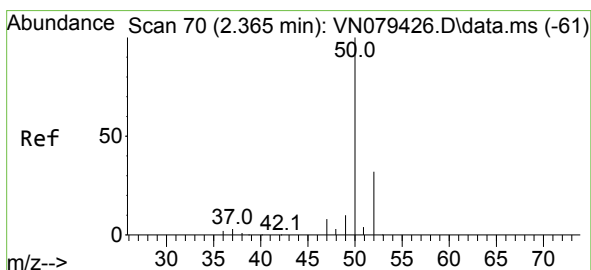
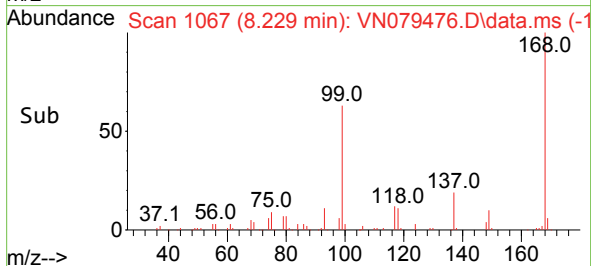
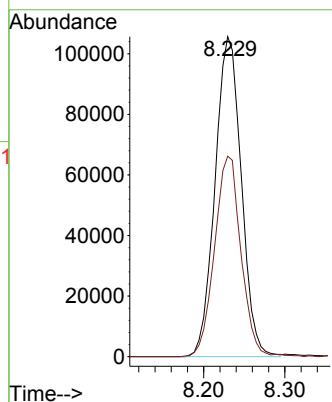
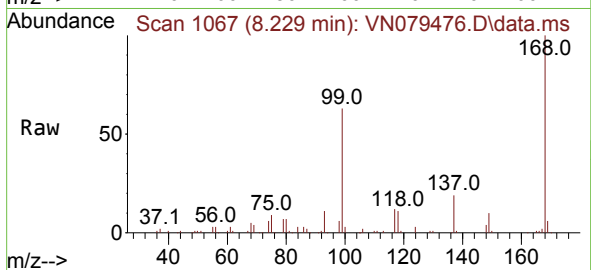
ClientSampleId :

Tgt Ion:168 Resp: 237566

Ion Ratio Lower Upper

168 100

99 62.7 53.0 79.6



#3

Chloromethane

Concen: 0.219 ug/l

RT: 2.365 min Scan# 70

Delta R.T. -0.000 min

Lab File: VN079476.D

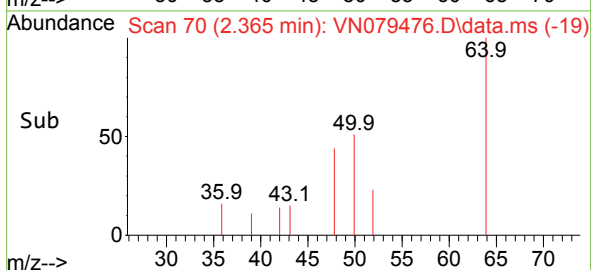
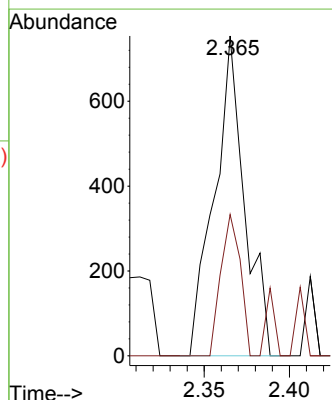
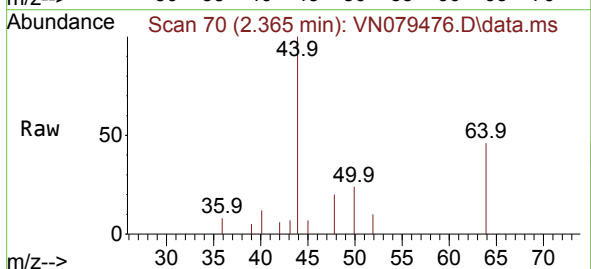
Acq: 09 Oct 2023 16:48

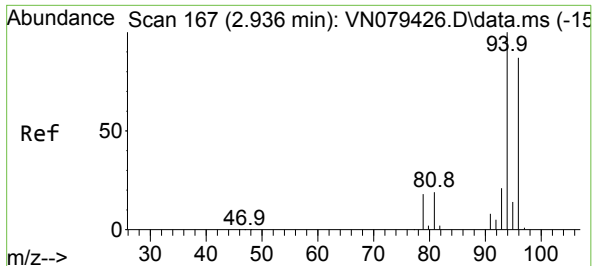
Tgt Ion: 50 Resp: 930

Ion Ratio Lower Upper

50 100

52 44.2 26.5 39.7#





#5

Bromomethane

Concen: 0.390 ug/l

RT: 2.965 min Scan# 11

Delta R.T. 0.029 min

Lab File: VN079476.D

Acq: 09 Oct 2023 16:48

Instrument :

MSVOA_N

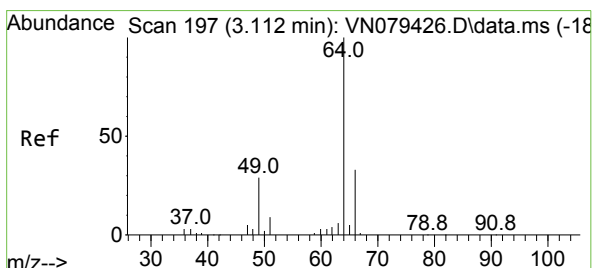
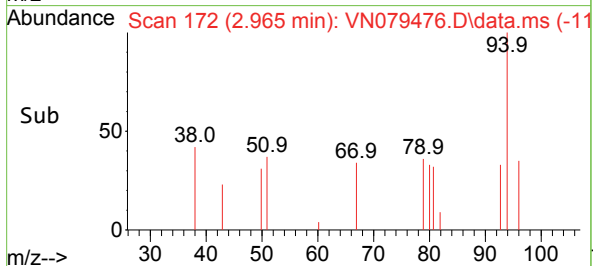
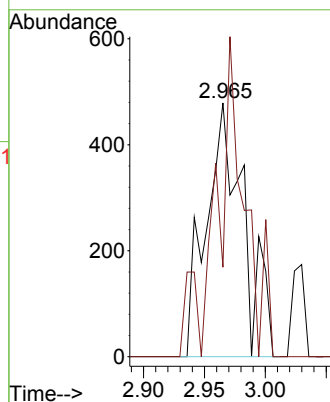
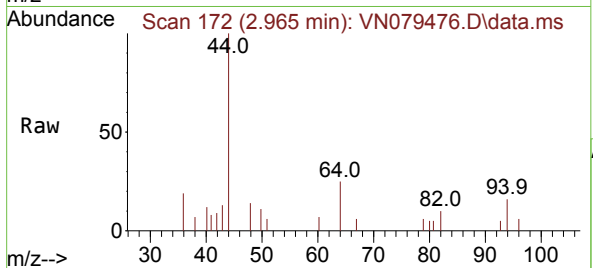
ClientSampleId :

Tgt Ion: 94 Resp: 1031

Ion Ratio Lower Upper

94 100

96 35.3 73.1 109.7#



#6

Chloroethane

Concen: 0.253 ug/l

RT: 3.130 min Scan# 200

Delta R.T. 0.018 min

Lab File: VN079476.D

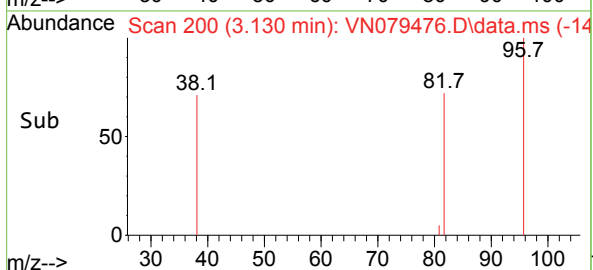
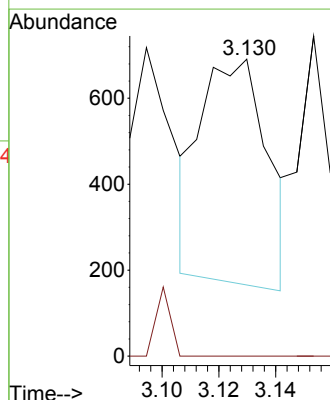
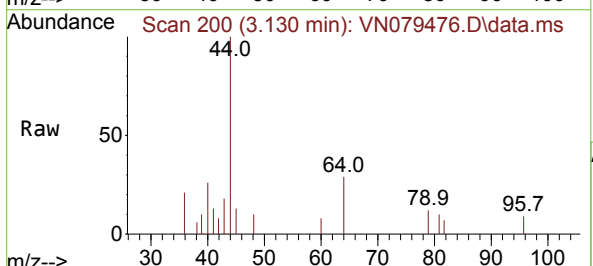
Acq: 09 Oct 2023 16:48

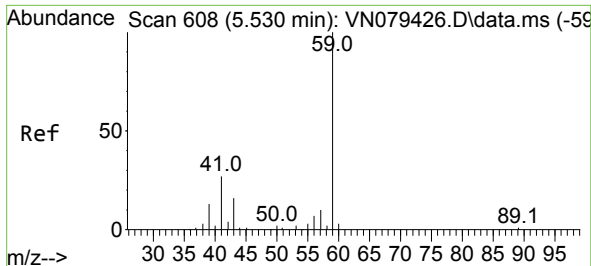
Tgt Ion: 64 Resp: 843

Ion Ratio Lower Upper

64 100

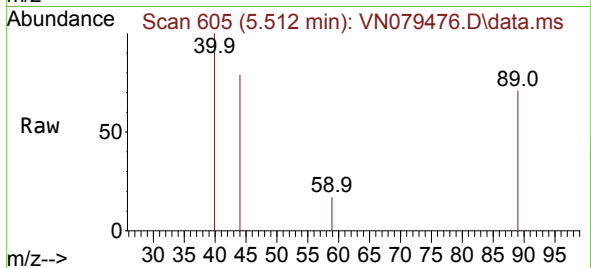
66 0.0 25.4 38.2#



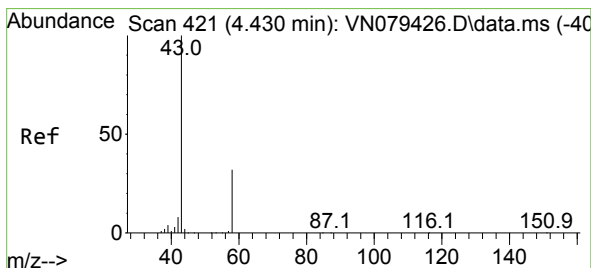
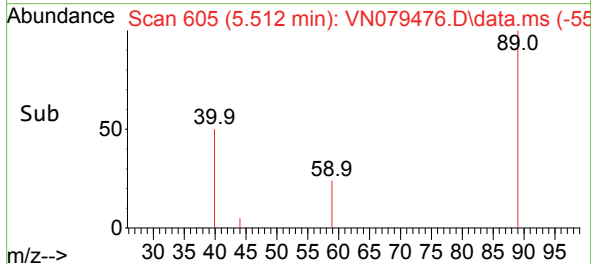
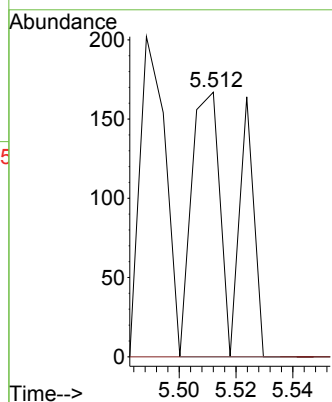


#11
Tert butyl alcohol
Concen: 0.297 ug/l
RT: 5.512 min Scan# 608
Delta R.T. -0.018 min
Lab File: VN079476.D
Acq: 09 Oct 2023 16:48

Instrument :
MSVOA_N
ClientSampleId :

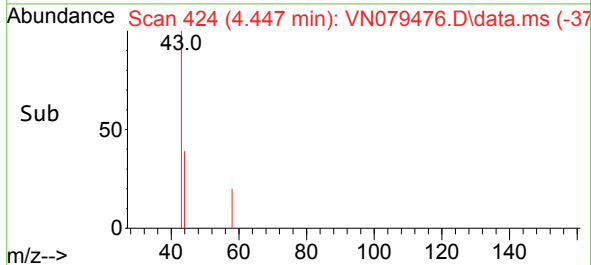
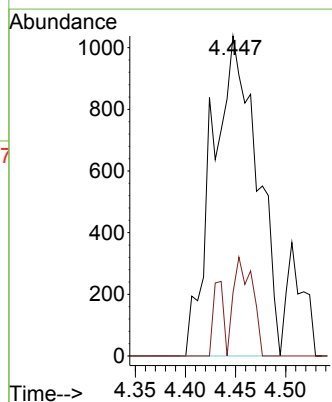
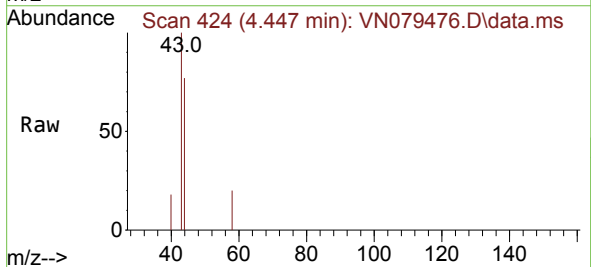


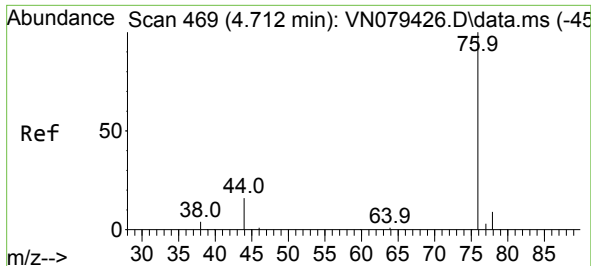
Tgt Ion: 59 Resp: 172
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 2.099 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.017 min
Lab File: VN079476.D
Acq: 09 Oct 2023 16:48

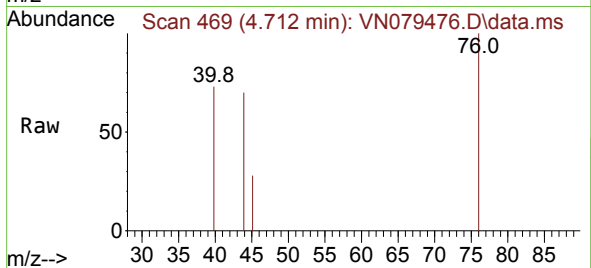
Tgt Ion: 43 Resp: 3207
Ion Ratio Lower Upper
43 100
58 19.7 28.0 42.0#



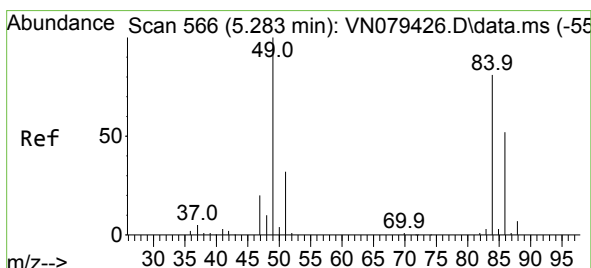
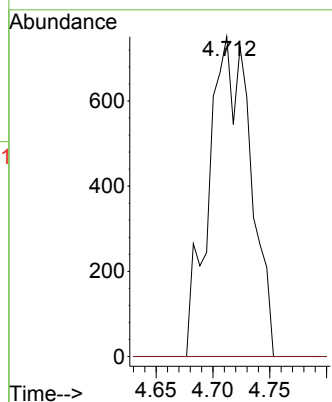
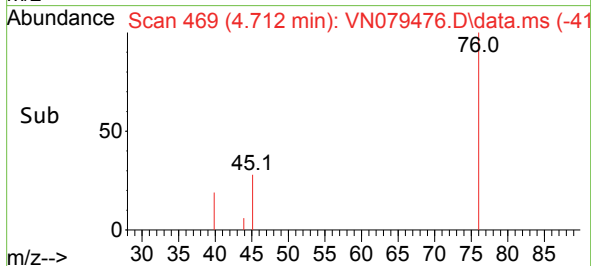


#17
Carbon Disulfide
Concen: 0.219 ug/l
RT: 4.712 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN079476.D
Acq: 09 Oct 2023 16:48

Instrument :
MSVOA_N
ClientSampleId :

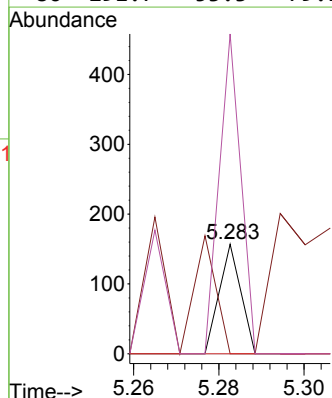
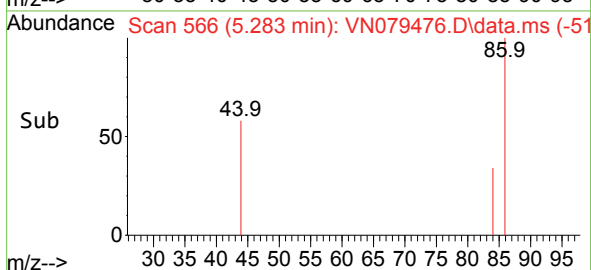
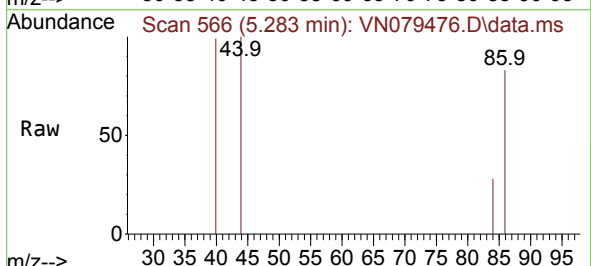


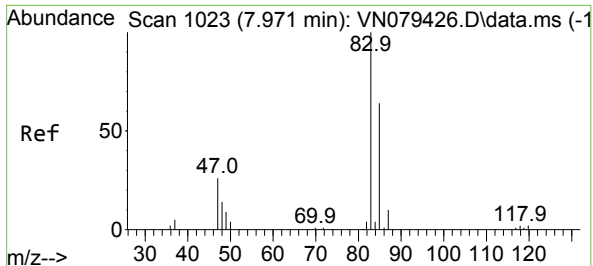
Tgt Ion: 76 Resp: 1917
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN079476.D
Acq: 09 Oct 2023 16:48

Tgt Ion: 84 Resp: 55
Ion Ratio Lower Upper
84 100
49 0.0 79.7 119.5#
51 0.0 25.2 37.8#
86 291.7 53.3 79.9#





#30

Chloroform

Concen: 0.266 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.006 min

Lab File: VN079476.D

Acq: 09 Oct 2023 16:48

Instrument :

MSVOA_N

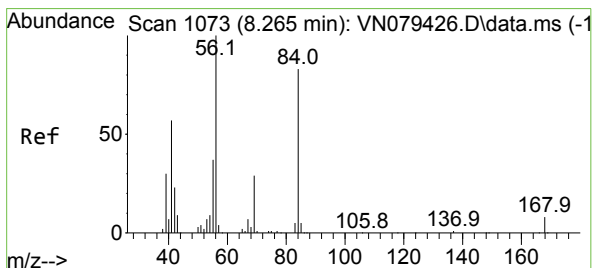
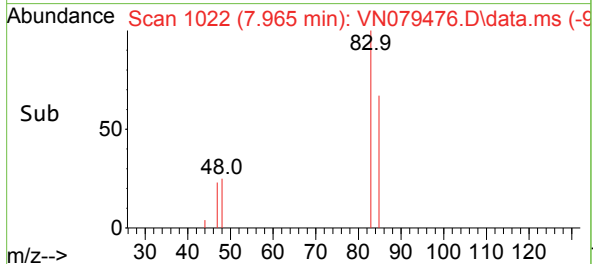
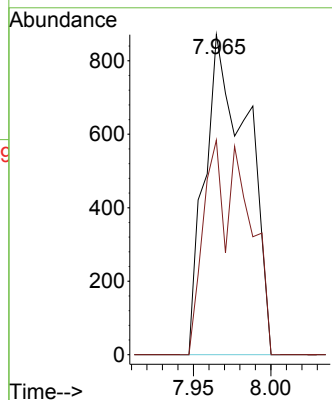
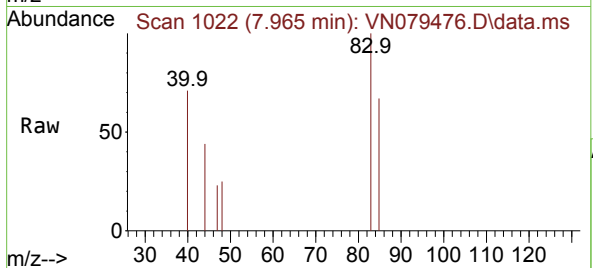
ClientSampleId :

Tgt Ion: 83 Resp: 1668

Ion Ratio Lower Upper

83 100

85 67.0 55.4 83.0



#31

Cyclohexane

Concen: 1.208 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN079476.D

Acq: 09 Oct 2023 16:48

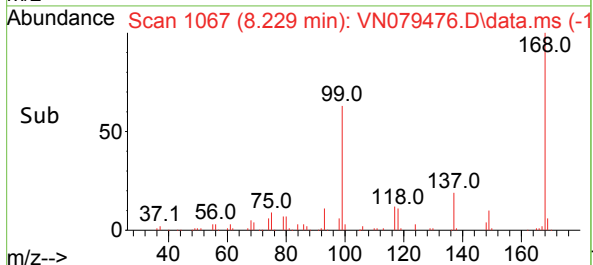
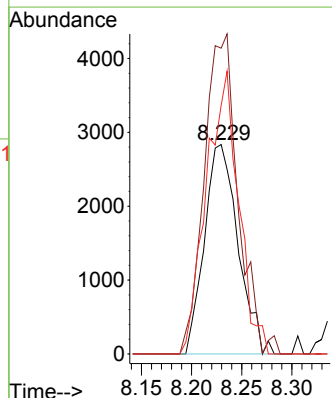
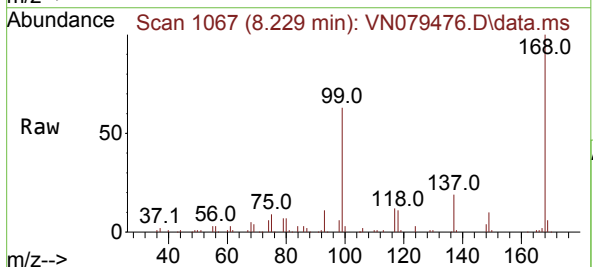
Tgt Ion: 56 Resp: 6603

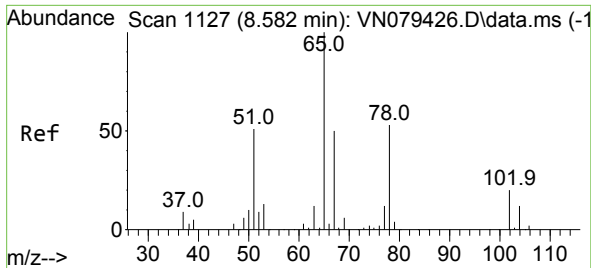
Ion Ratio Lower Upper

56 100

69 146.0 26.8 40.2#

84 118.7 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 53.064 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079476.D

Acq: 09 Oct 2023 16:48

Instrument :

MSVOA_N

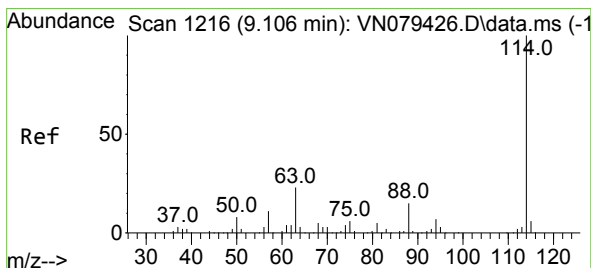
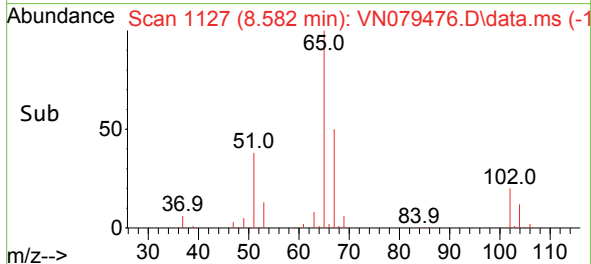
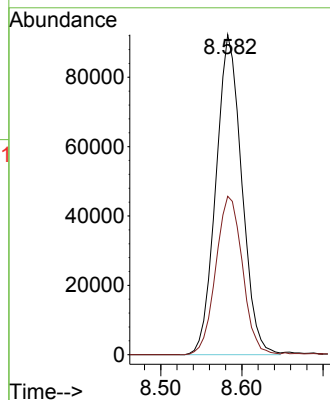
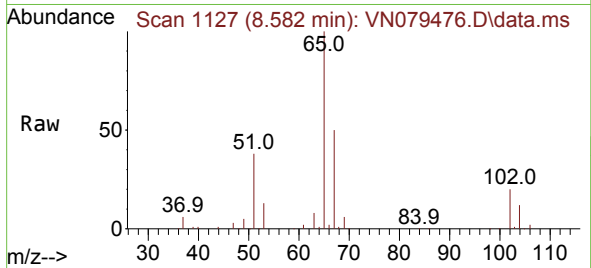
ClientSampleId :

Tgt Ion: 65 Resp: 204398

Ion Ratio Lower Upper

65 100

67 51.0 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: VN079476.D

Acq: 09 Oct 2023 16:48

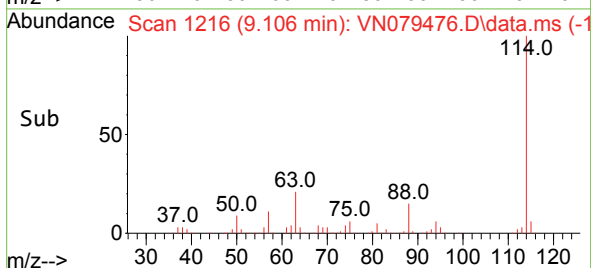
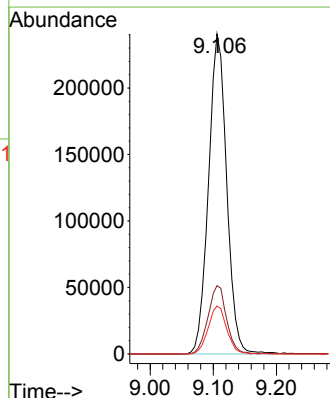
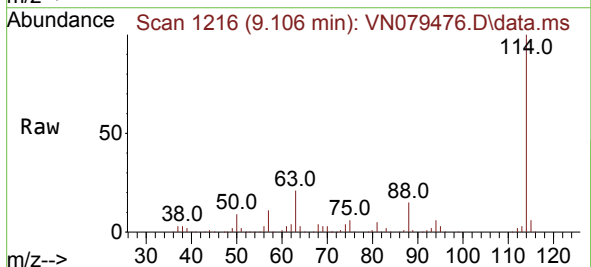
Tgt Ion: 114 Resp: 480981

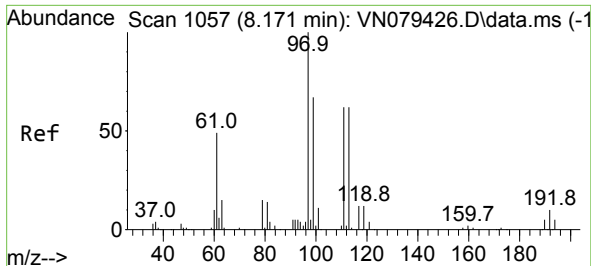
Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

88 15.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.267 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

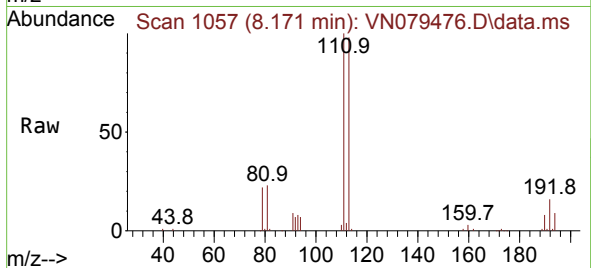
Lab File: VN079476.D

Acq: 09 Oct 2023 16:48

Instrument :

MSVOA_N

ClientSampleId :



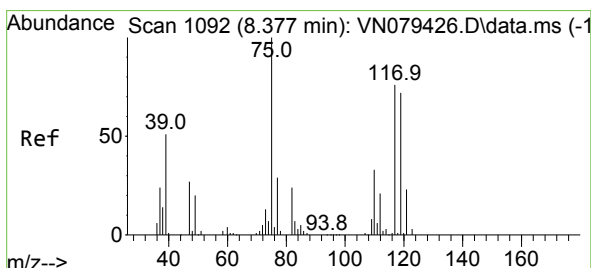
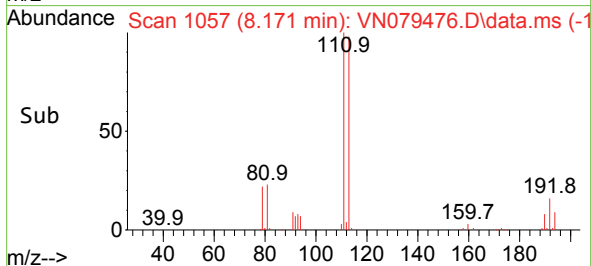
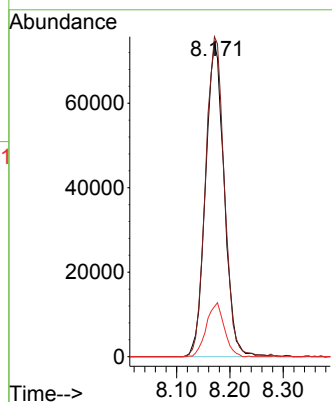
Tgt Ion:113 Resp: 180662

Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 16.5 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.313 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079476.D

Acq: 09 Oct 2023 16:48

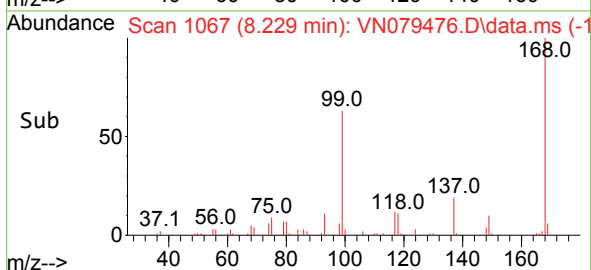
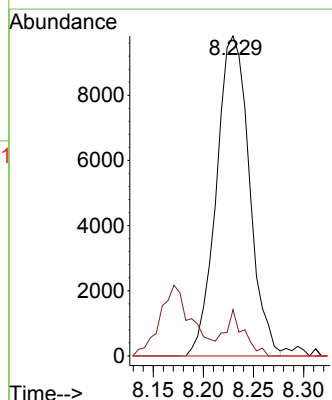
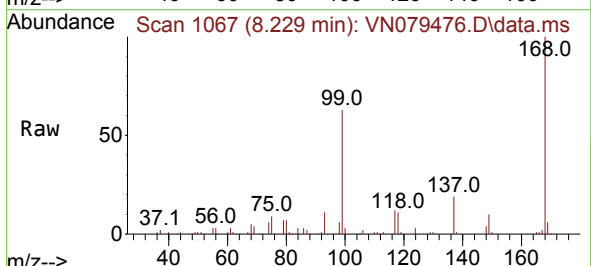
Tgt Ion: 75 Resp: 22377

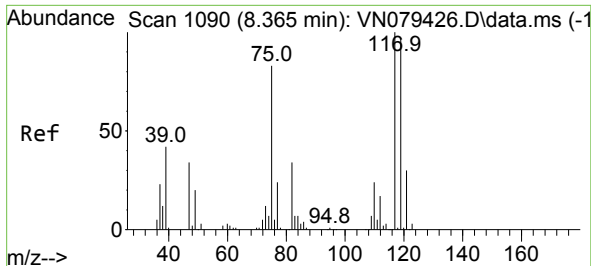
Ion Ratio Lower Upper

75 100

110 8.2 19.1 57.3#

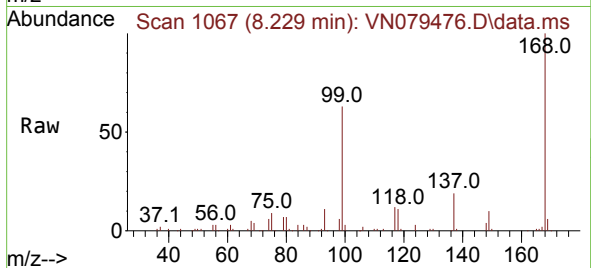
77 0.0 25.0 37.4#



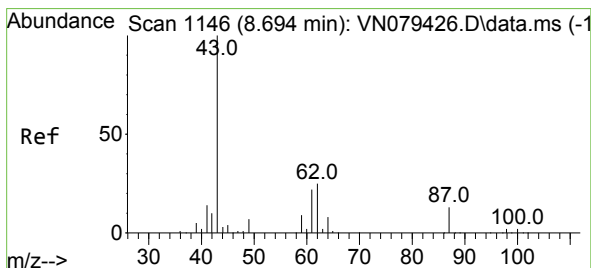
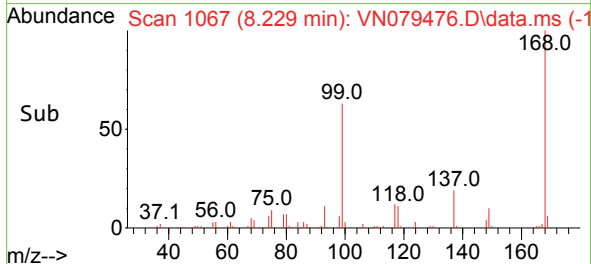
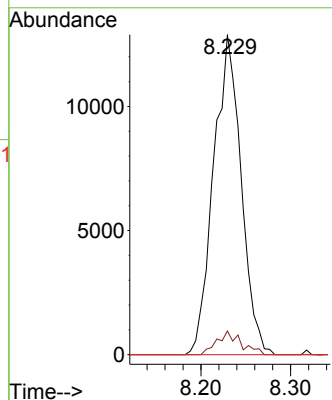


#38
Carbon Tetrachloride
Concen: 5.289 ug/l
RT: 8.229 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN079476.D
Acq: 09 Oct 2023 16:48

Instrument :
MSVOA_N
ClientSampleId :

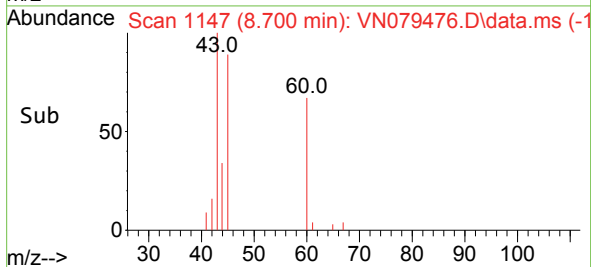
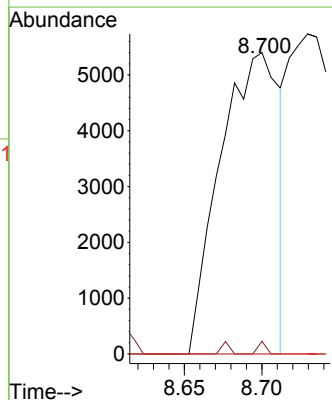
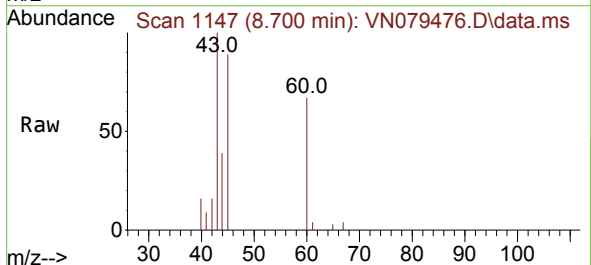


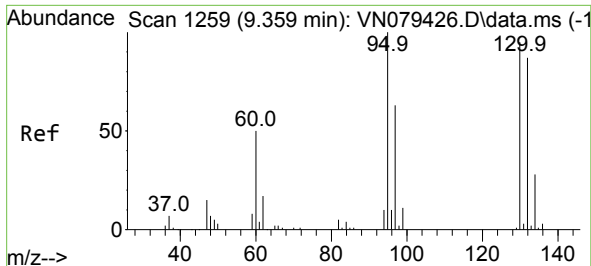
Tgt Ion:117 Resp: 27467
Ion Ratio Lower Upper
117 100
119 7.4 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 1.575 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN079476.D
Acq: 09 Oct 2023 16:48

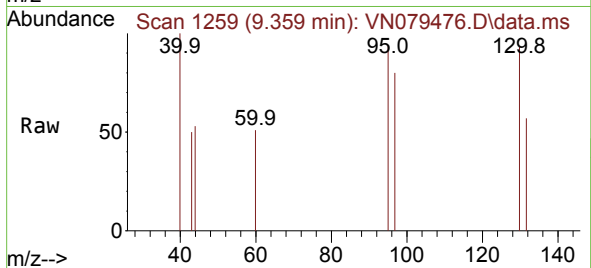
Tgt Ion: 43 Resp: 14244
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



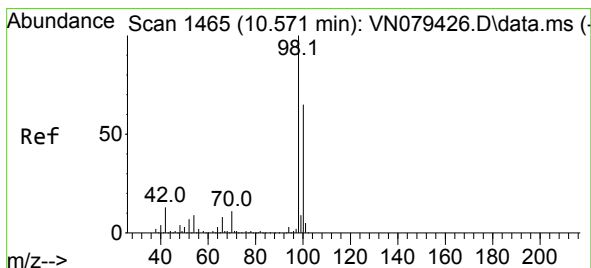
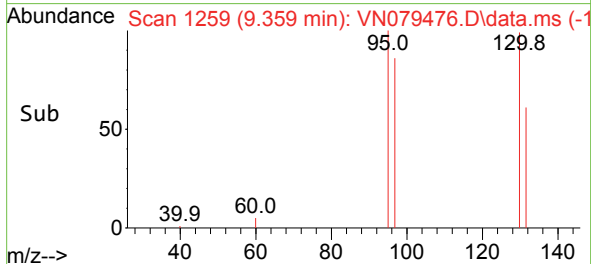
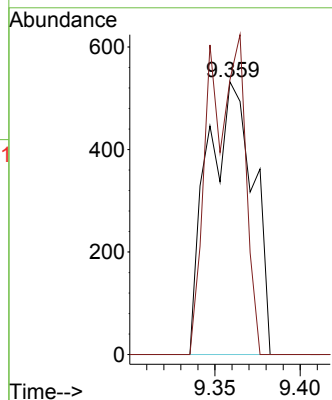


#44
Trichloroethene
Concen: 0.274 ug/l
RT: 9.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079476.D
Acq: 09 Oct 2023 16:48

Instrument :
MSVOA_N
ClientSampleId :

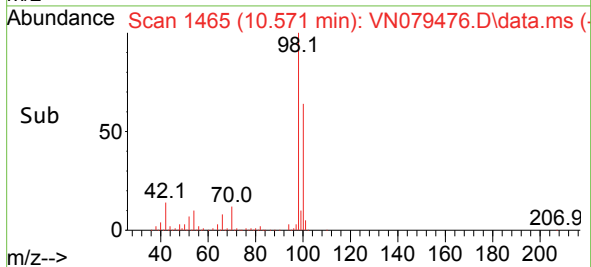
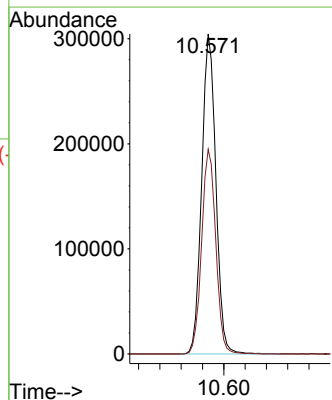
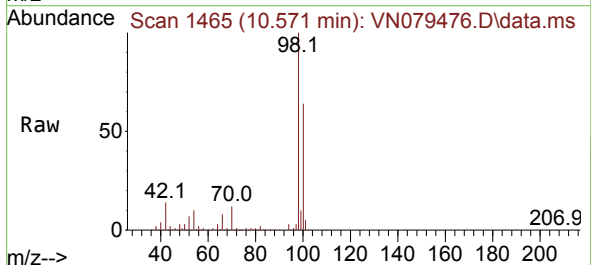


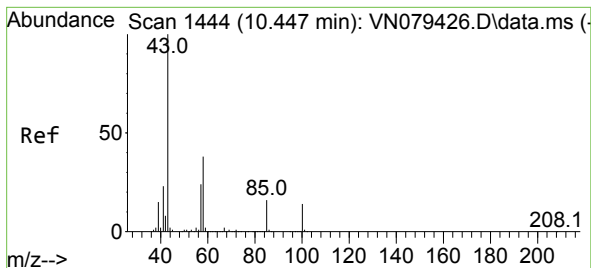
Tgt Ion:130 Resp: 994
Ion Ratio Lower Upper
130 100
95 100.8 0.0 204.6



#50
Toluene-d8
Concen: 44.755 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079476.D
Acq: 09 Oct 2023 16:48

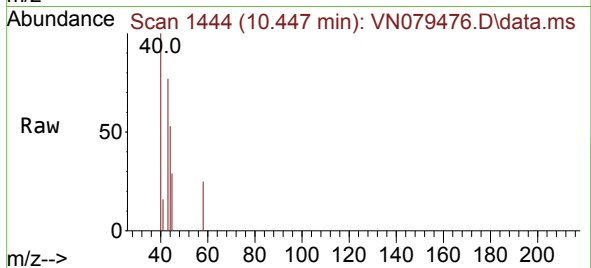
Tgt Ion: 98 Resp: 559732
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0



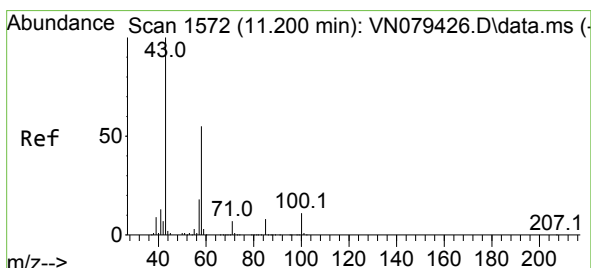
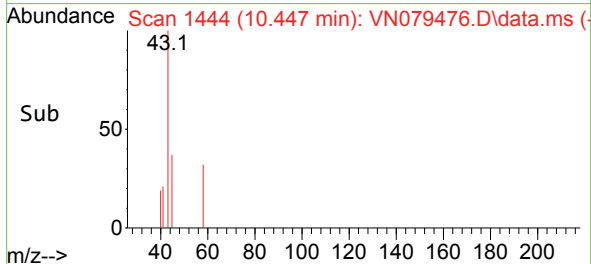
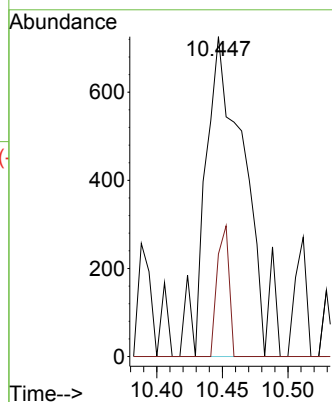


#51
4-Methyl-2-Pentanone
Concen: 0.300 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN079476.D
Acq: 09 Oct 2023 16:48

Instrument :
MSVOA_N
ClientSampleId :

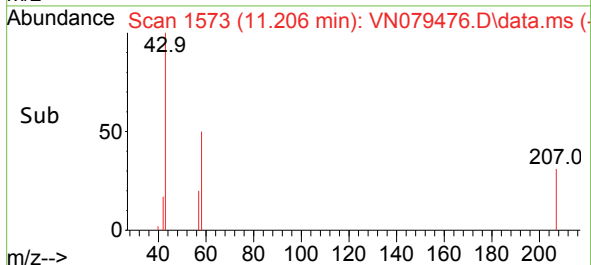
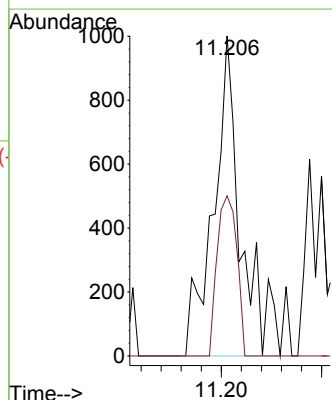
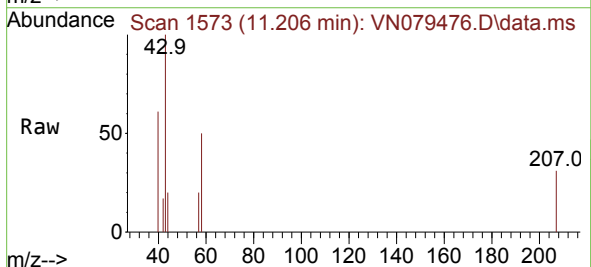


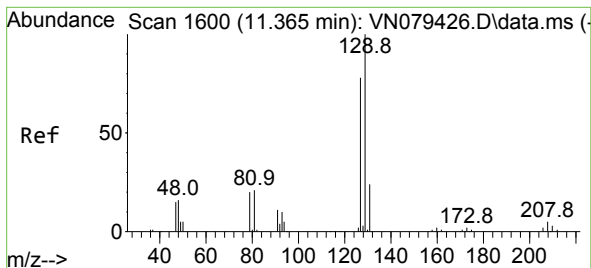
Tgt Ion: 43 Resp: 1530
Ion Ratio Lower Upper
43 100
58 12.2 36.6 54.8#



#59
2-Hexanone
Concen: 0.516 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN079476.D
Acq: 09 Oct 2023 16:48

Tgt Ion: 43 Resp: 1902
Ion Ratio Lower Upper
43 100
58 36.0 31.7 95.1





#60

Dibromochloromethane

Concen: 0.307 ug/l

RT: 11.118 min Scan# 11

Delta R.T. -0.247 min

Lab File: VN079476.D

Acq: 09 Oct 2023 16:48

Instrument :

MSVOA_N

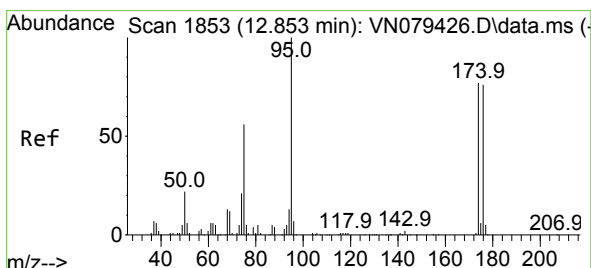
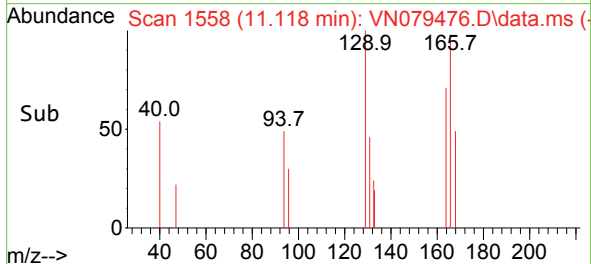
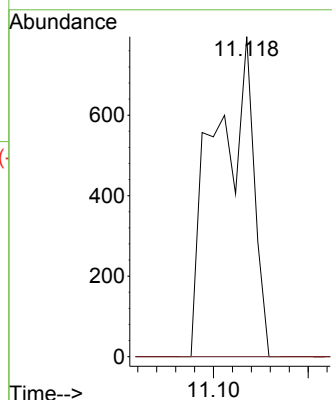
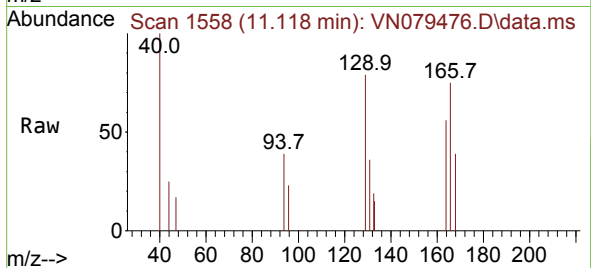
ClientSampleId :

Tgt Ion:129 Resp: 1125

Ion Ratio Lower Upper

129 100

127 0.0 38.6 116.0#



#62

4-Bromofluorobenzene

Concen: 43.992 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN079476.D

Acq: 09 Oct 2023 16:48

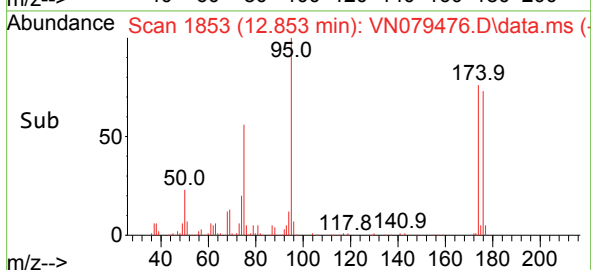
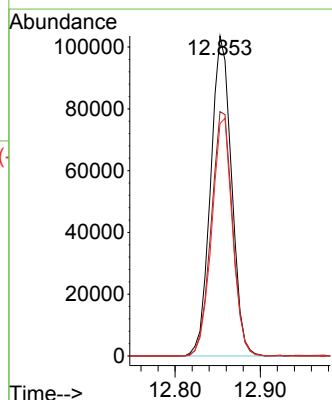
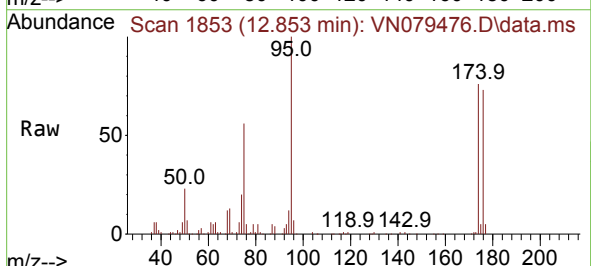
Tgt Ion: 95 Resp: 176568

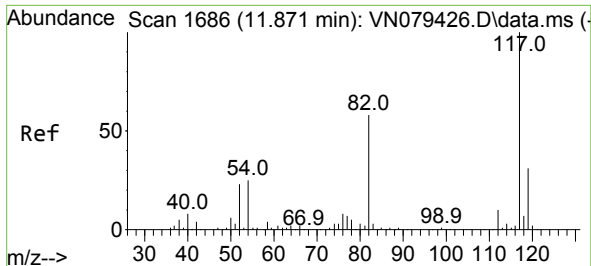
Ion Ratio Lower Upper

95 100

174 77.8 0.0 143.8

176 73.7 0.0 135.8

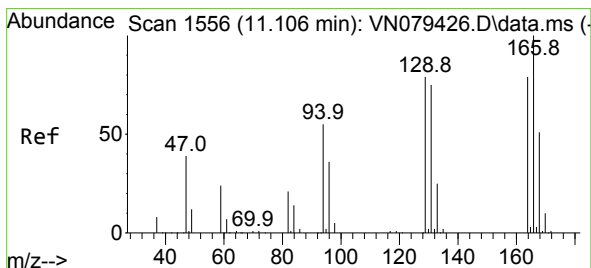
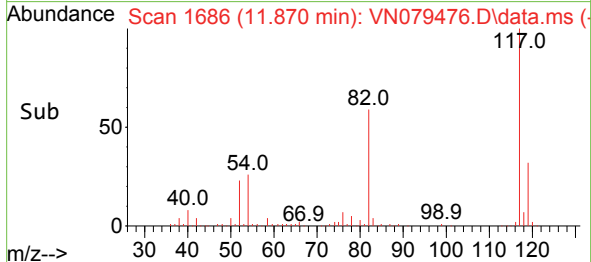
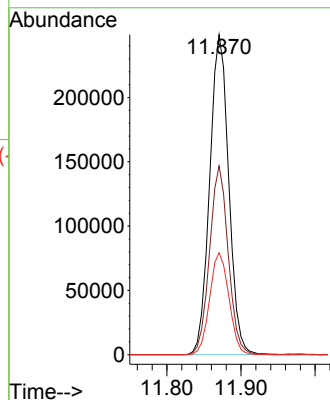
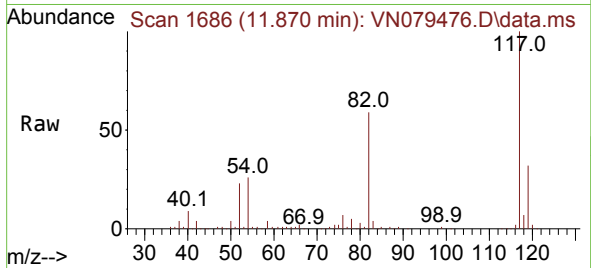




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079476.D
Acq: 09 Oct 2023 16:48

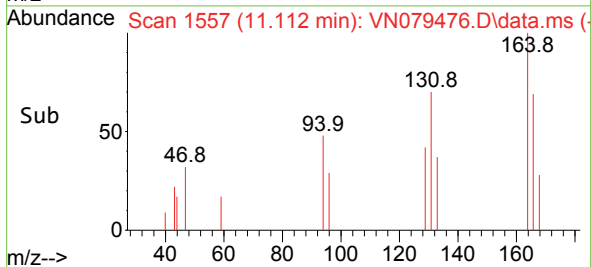
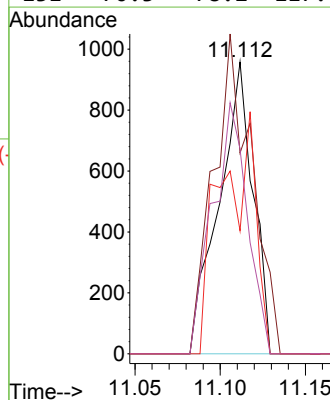
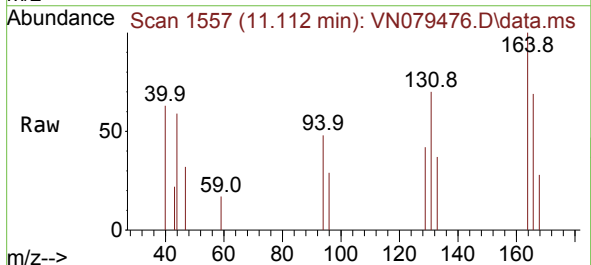
Instrument :
MSVOA_N
ClientSampleId :

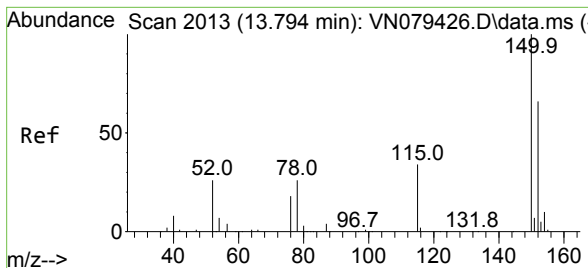
Tgt Ion:117 Resp: 443543
Ion Ratio Lower Upper
117 100
82 59.0 44.0 66.0
119 31.9 25.6 38.4



#64
Tetrachloroethene
Concen: 0.435 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. 0.006 min
Lab File: VN079476.D
Acq: 09 Oct 2023 16:48

Tgt Ion:164 Resp: 1327
Ion Ratio Lower Upper
164 100
166 68.8 101.4 152.0#
129 42.2 82.4 123.6#
131 70.3 78.2 117.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN079476.D

Acq: 09 Oct 2023 16:48

Instrument :

MSVOA_N

ClientSampleId :

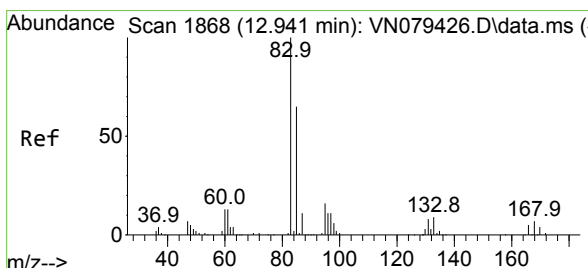
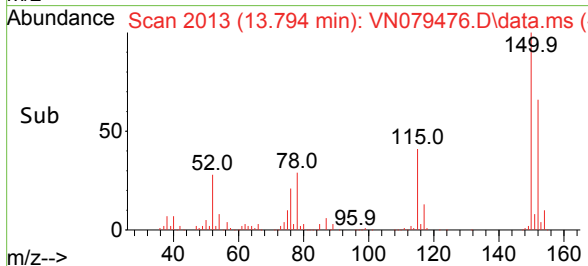
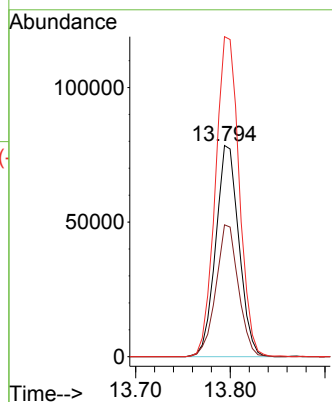
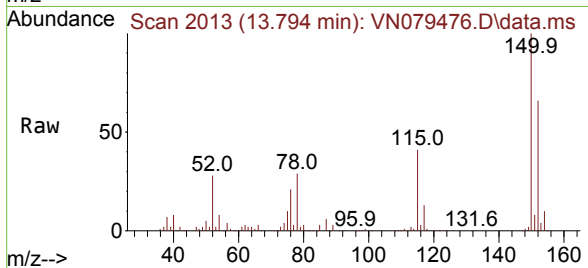
Tgt Ion:152 Resp: 133480

Ion Ratio Lower Upper

152 100

115 60.7 32.3 96.8

150 155.2 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.941 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VN079476.D

Acq: 09 Oct 2023 16:48

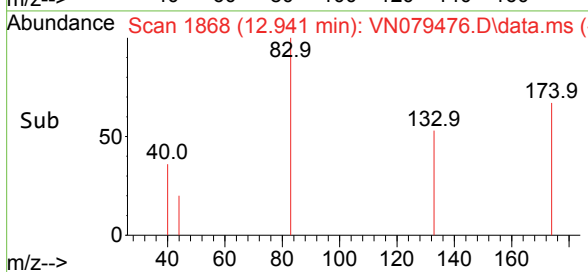
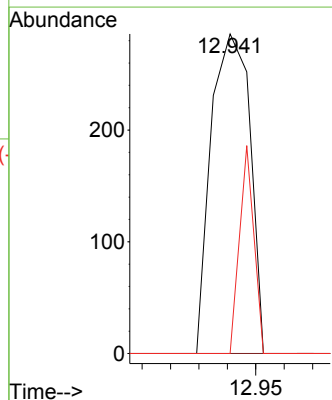
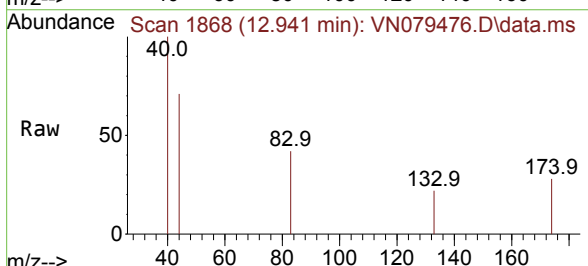
Tgt Ion: 83 Resp: 271

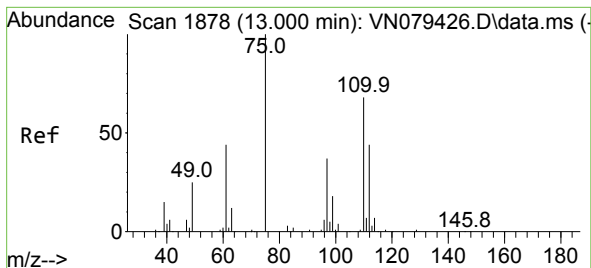
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 24.4 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 26.057 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079476.D

Acq: 09 Oct 2023 16:48

Instrument :

MSVOA_N

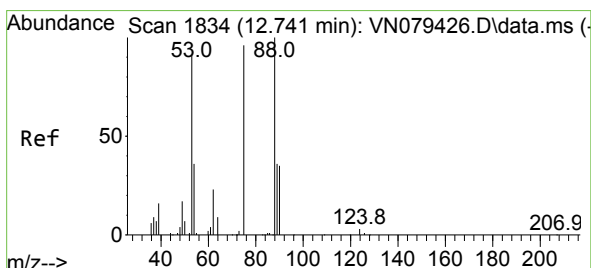
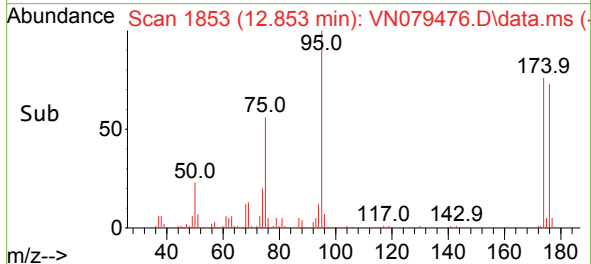
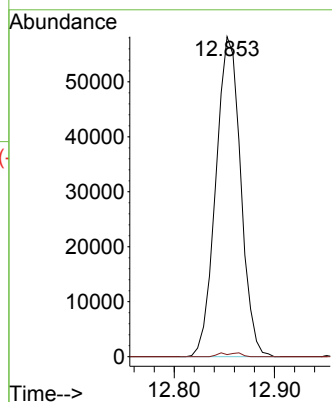
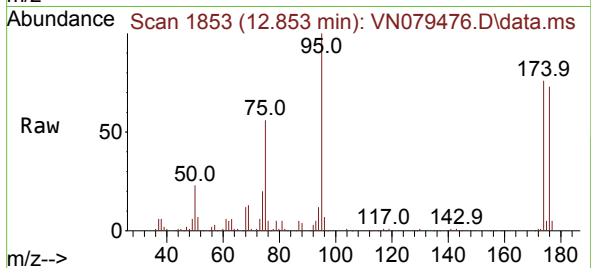
ClientSampleId :

Tgt Ion: 75 Resp: 100282

Ion Ratio Lower Upper

75 100

77 1.0 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.605 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079476.D

Acq: 09 Oct 2023 16:48

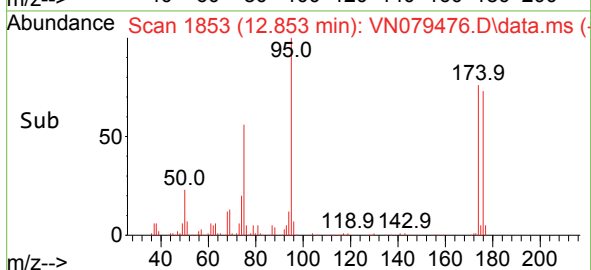
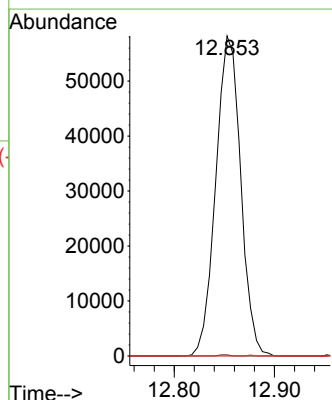
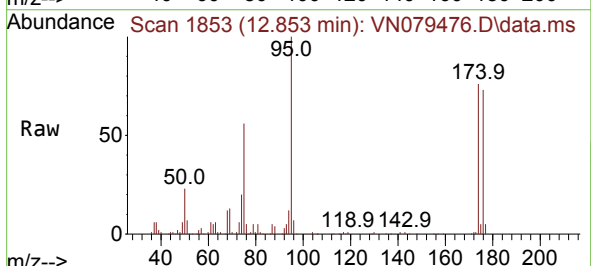
Tgt Ion: 75 Resp: 100282

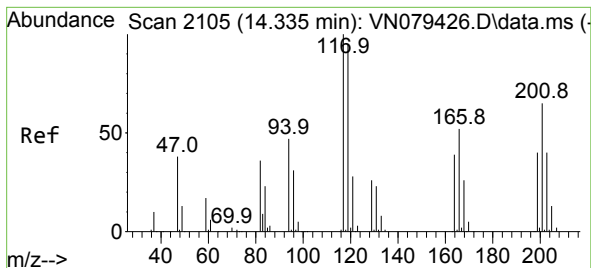
Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#





#90

Hexachloroethane

Concen: Below Cal

RT: 14.064 min Scan# 2059

Delta R.T. -0.271 min

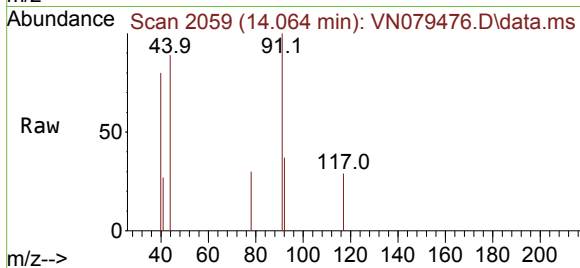
Lab File: VN079476.D

Acq: 09 Oct 2023 16:48

Instrument :

MSVOA_N

ClientSampleId :

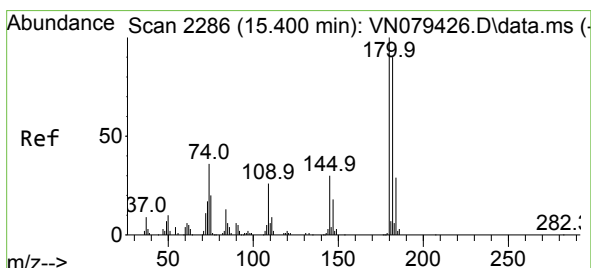
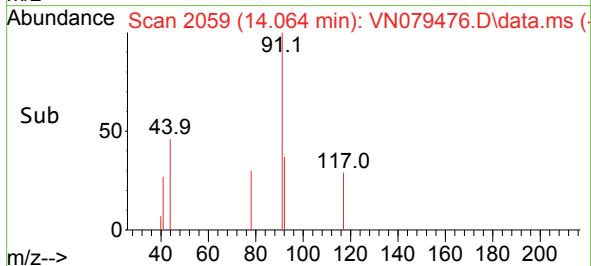
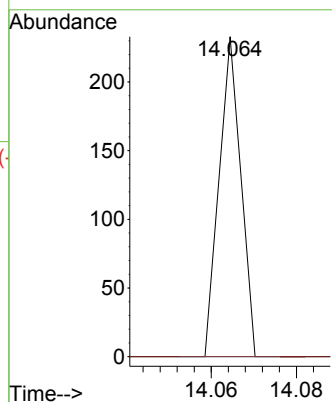


Tgt Ion:117 Resp: 82

Ion Ratio Lower Upper

117 100

201 0.0 29.3 88.0#



#93

1,2,4-Trichlorobenzene

Concen: 0.580 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. -0.006 min

Lab File: VN079476.D

Acq: 09 Oct 2023 16:48

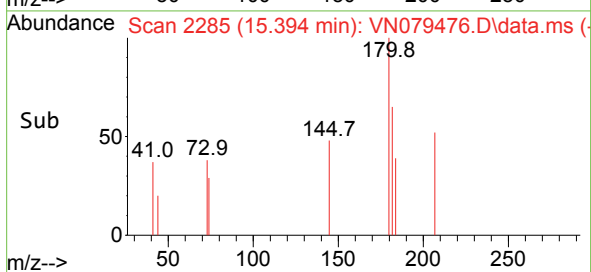
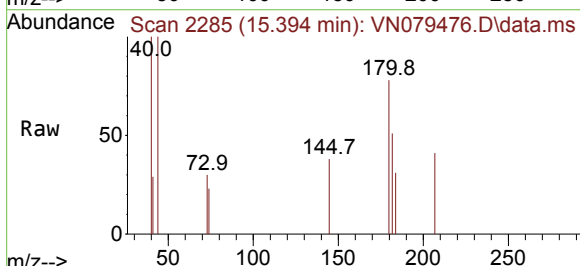
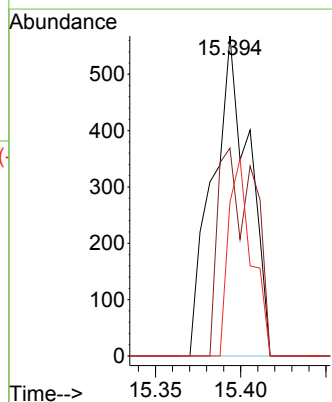
Tgt Ion:180 Resp: 846

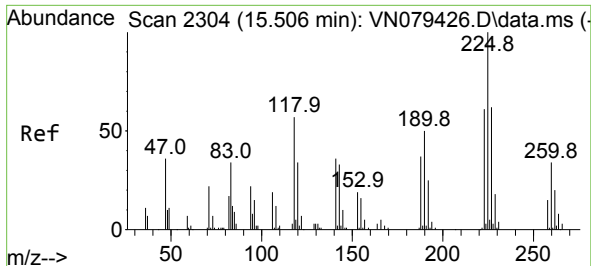
Ion Ratio Lower Upper

180 100

182 63.9 46.1 138.2

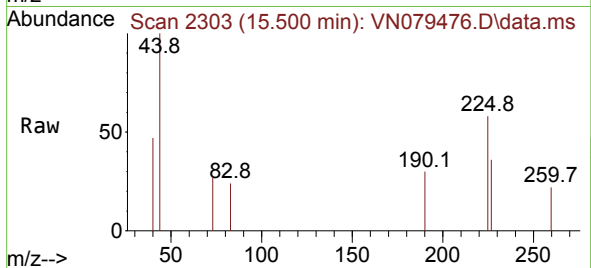
145 39.1 16.6 49.8



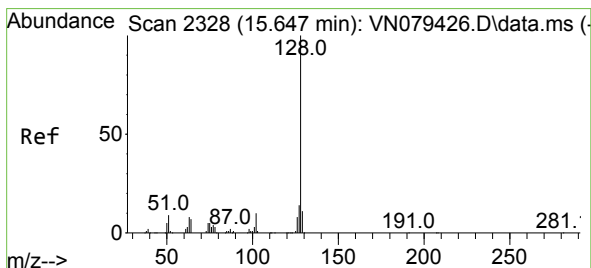
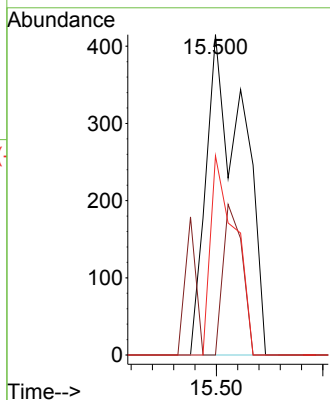
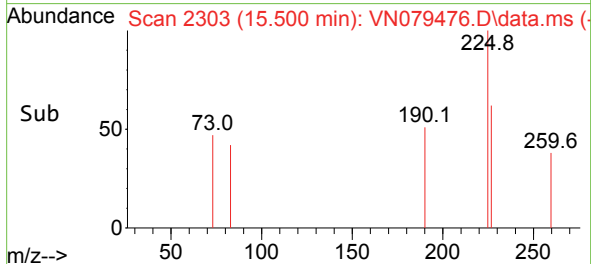


#94
Hexachlorobutadiene
Concen: 0.438 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN079476.D
Acq: 09 Oct 2023 16:48

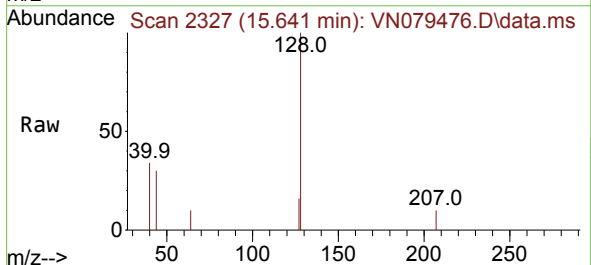
Instrument :
MSVOA_N
ClientSampleId :



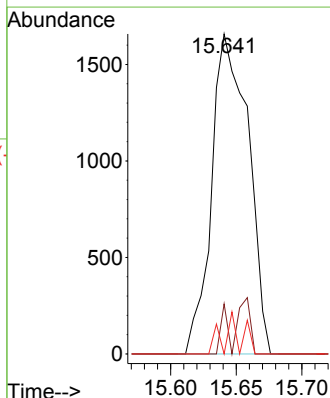
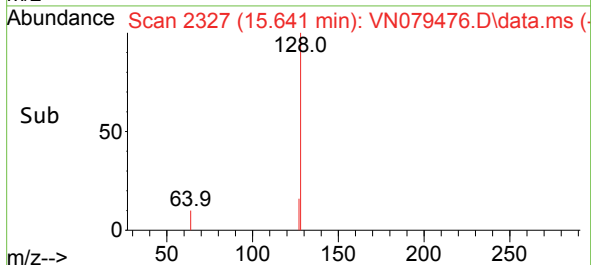
Tgt Ion:225 Resp: 498
Ion Ratio Lower Upper
225 100
223 24.5 31.3 93.8#
227 41.6 31.9 95.9

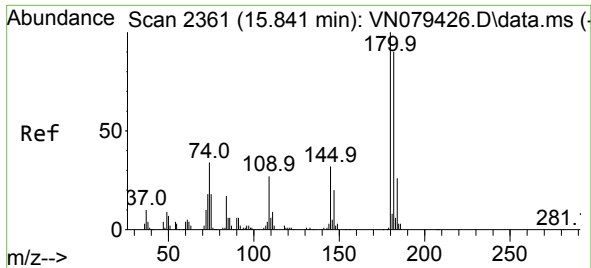


#95
Naphthalene
Concen: 0.724 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN079476.D
Acq: 09 Oct 2023 16:48



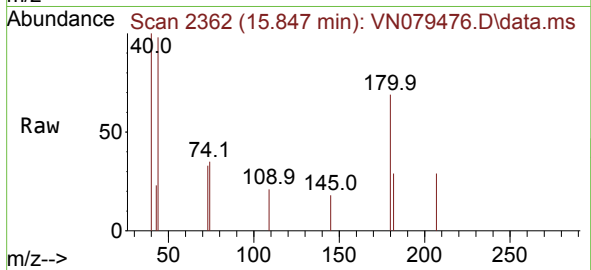
Tgt Ion:128 Resp: 3227
Ion Ratio Lower Upper
128 100
127 8.6 10.0 15.0#
129 4.3 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.654 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN079476.D
 Acq: 09 Oct 2023 16:48

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	28.0	46.2	138.6#
145	24.9	17.5	52.6

