

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103023\
 Data File : VN079726.D
 Acq On : 30 Oct 2023 16:24
 Operator : JC\MD
 Sample : VN1030WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

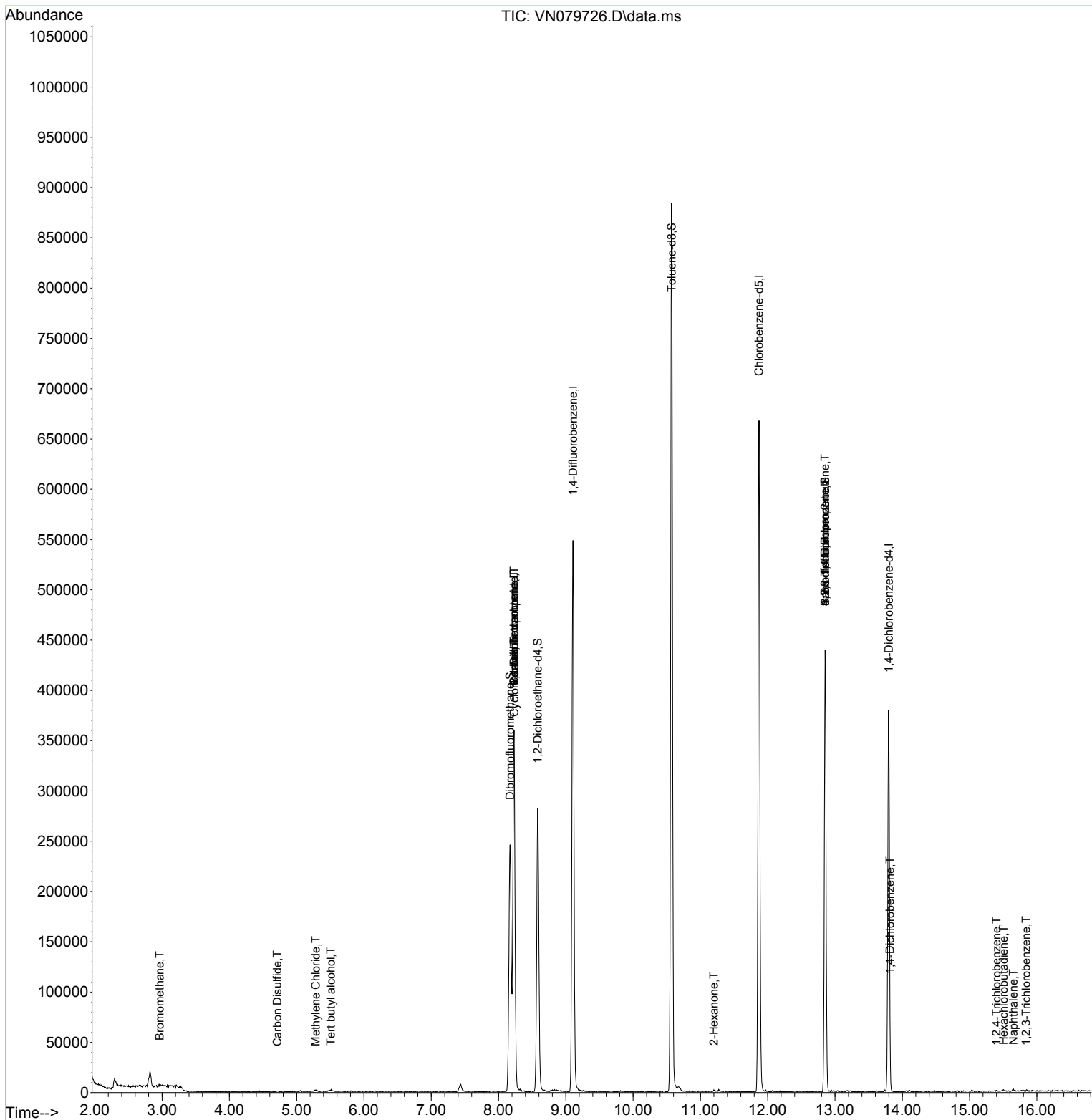
Quant Time: Oct 31 07:30:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103023W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 07:23:24 2023
 Response via : Initial Calibration

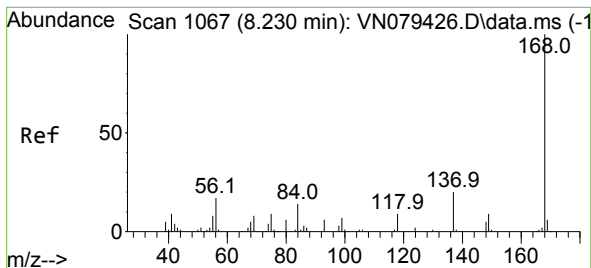
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	250437	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	457168	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	389253	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	100696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	225906	56.171	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.340%
35) Dibromofluoromethane	8.171	113	175202	53.633	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.260%
50) Toluene-d8	10.571	98	601766	49.415	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.840%
62) 4-Bromofluorobenzene	12.853	95	150795	39.322	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	78.640%#
Target Compounds						
					Qvalue	
5) Bromomethane	2.965	94	1287	0.455	ug/l	99
11) Tert butyl alcohol	5.506	59	1315	2.465	ug/l #	72
17) Carbon Disulfide	4.712	76	1765	0.210	ug/l #	75
20) Methylene Chloride	5.283	84	1285	0.377	ug/l #	71
31) Cyclohexane	8.236	56	6671	1.216	ug/l #	42
36) 1,1-Dichloropropene	8.230	75	23084	4.763	ug/l #	49
38) Carbon Tetrachloride	8.230	117	27909	5.775	ug/l #	14
59) 2-Hexanone	11.200	43	989	0.281	ug/l	71
71) Bromoform	12.853	173	1031	0.450	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	81965	29.977	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	81965	90.423	ug/l #	15
88) 1,4-Dichlorobenzene	13.818	146	758	0.210	ug/l #	68
93) 1,2,4-Trichlorobenzene	15.400	180	327	0.311	ug/l #	40
94) Hexachlorobutadiene	15.506	225	434	0.465	ug/l	73
95) Naphthalene	15.653	128	2065	0.676	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.841	180	655	0.558	ug/l	74

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

Quant Time: Oct 31 07:30:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103023W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 31 07:23:24 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 11

Delta R.T. -0.000 min

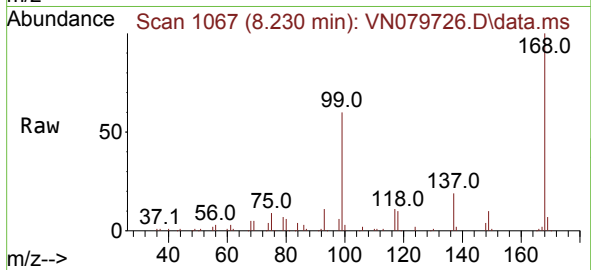
Lab File: VN079726.D

Acq: 30 Oct 2023 16:24

Instrument :

MSVOA_N

ClientSampleId :

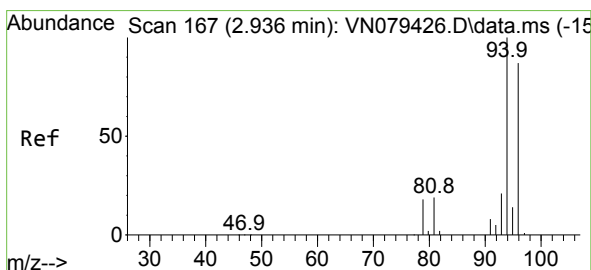
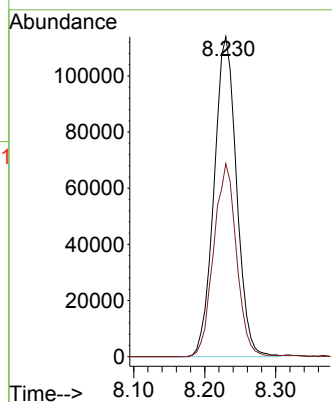
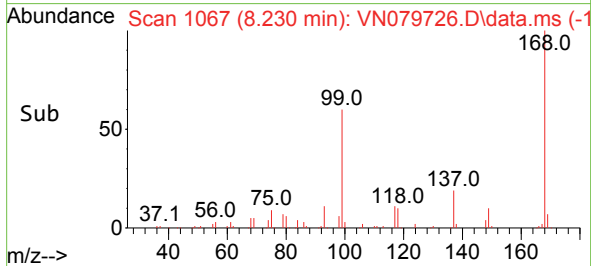


Tgt Ion:168 Resp: 250437

Ion Ratio Lower Upper

168 100

99 60.3 53.0 79.6



#5

Bromomethane

Concen: 0.455 ug/l

RT: 2.965 min Scan# 172

Delta R.T. 0.029 min

Lab File: VN079726.D

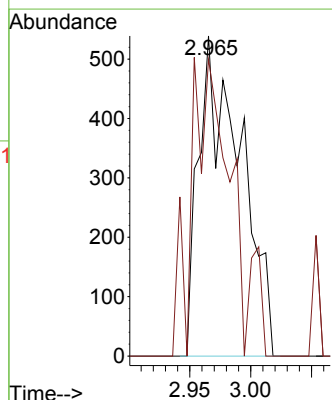
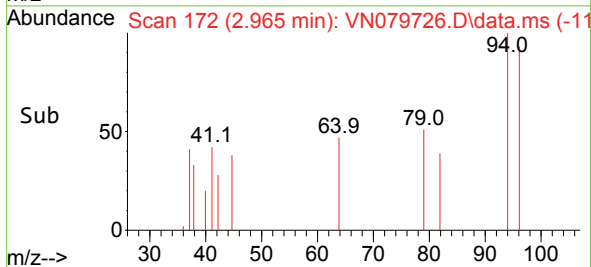
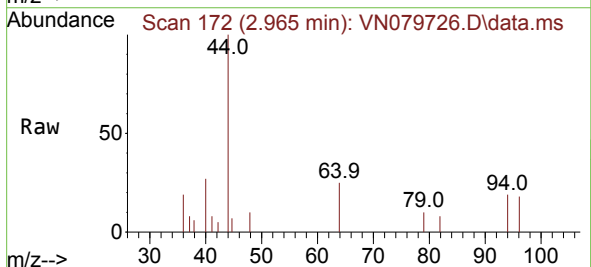
Acq: 30 Oct 2023 16:24

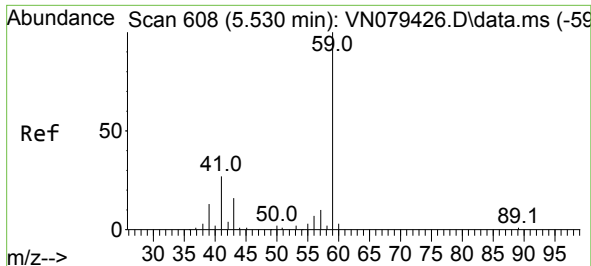
Tgt Ion: 94 Resp: 1287

Ion Ratio Lower Upper

94 100

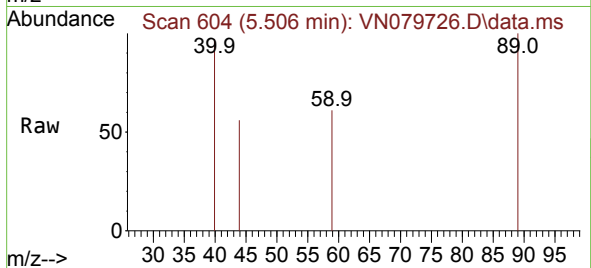
96 92.8 73.1 109.7



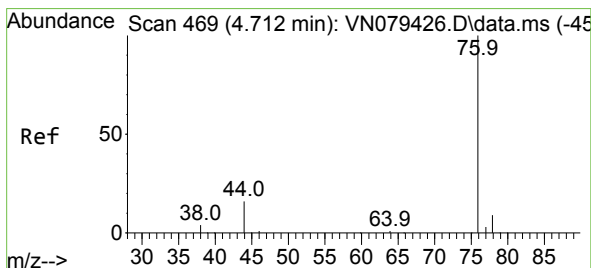
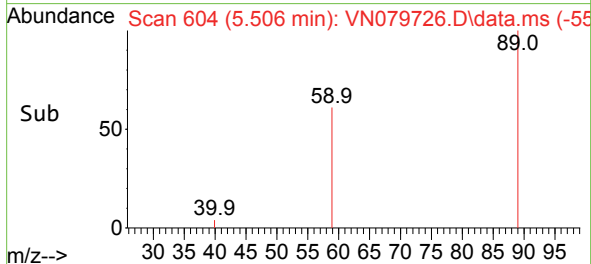
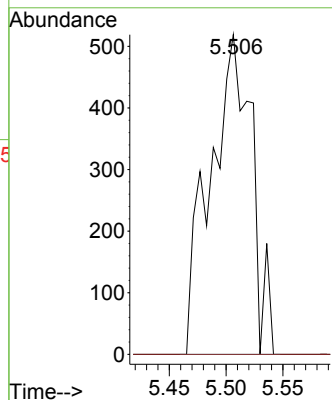


#11
Tert butyl alcohol
Concen: 2.465 ug/l
RT: 5.506 min Scan# 608
Delta R.T. -0.024 min
Lab File: VN079726.D
Acq: 30 Oct 2023 16:24

Instrument :
MSVOA_N
ClientSampleId :

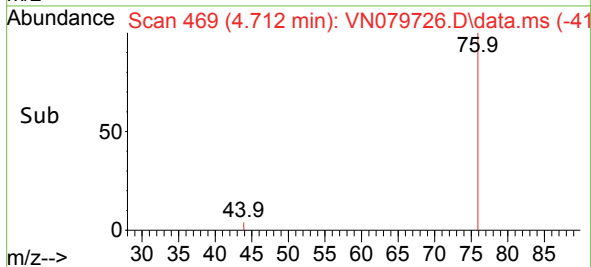
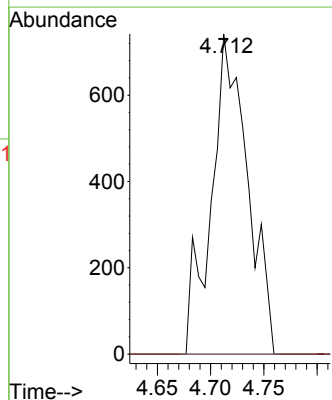
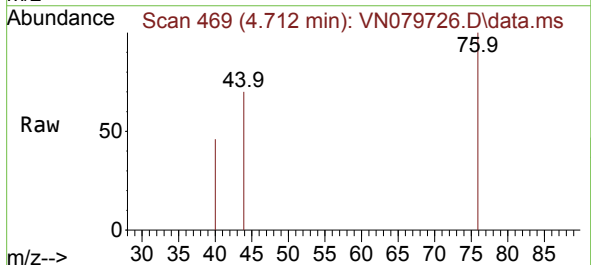


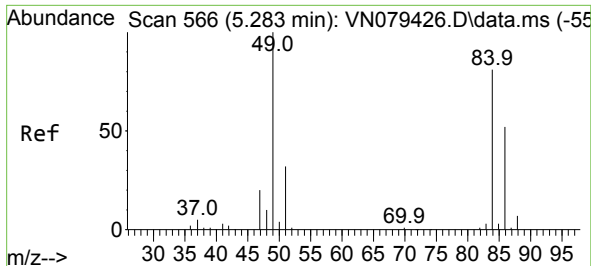
Tgt Ion: 59 Resp: 1315
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#17
Carbon Disulfide
Concen: 0.210 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN079726.D
Acq: 30 Oct 2023 16:24

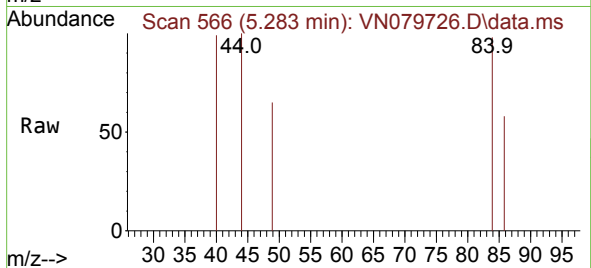
Tgt Ion: 76 Resp: 1765
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





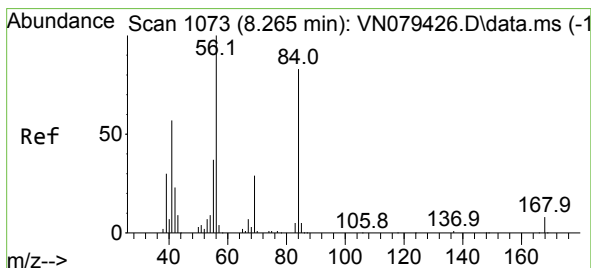
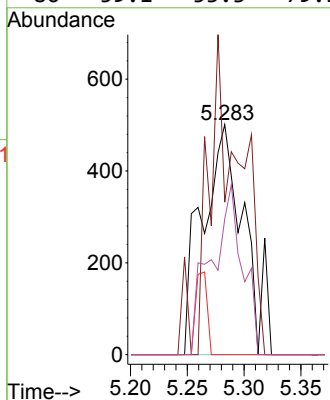
#20
Methylene Chloride
Concen: 0.377 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079726.D
Acq: 30 Oct 2023 16:24

Instrument :
MSVOA_N
ClientSampleId :

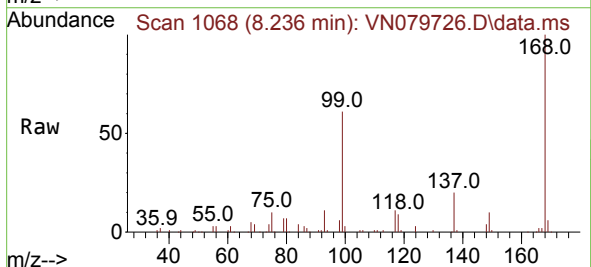


Tgt Ion: 84 Resp: 1285

Ion	Ratio	Lower	Upper
84	100		
49	66.3	79.7	119.5#
51	0.0	25.2	37.8#
86	59.1	53.3	79.9

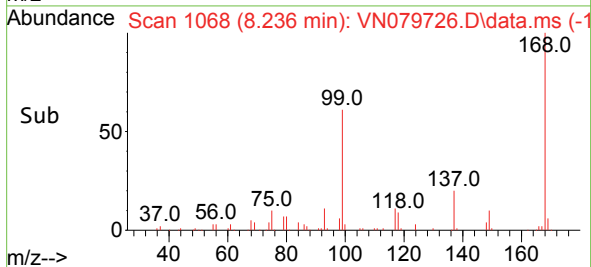
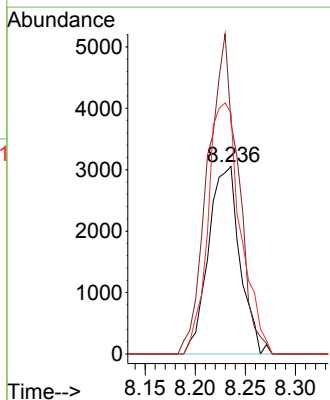


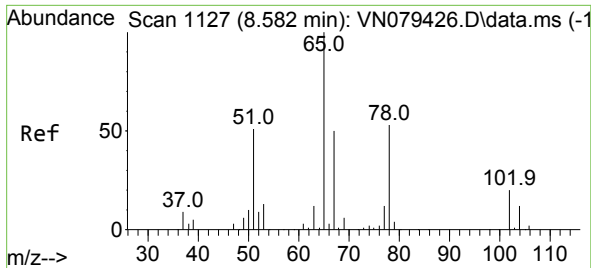
#31
Cyclohexane
Concen: 1.216 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN079726.D
Acq: 30 Oct 2023 16:24



Tgt Ion: 56 Resp: 6671

Ion	Ratio	Lower	Upper
56	100		
69	123.1	26.8	40.2#
84	128.5	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 56.171 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN079726.D

Acq: 30 Oct 2023 16:24

Instrument :

MSVOA_N

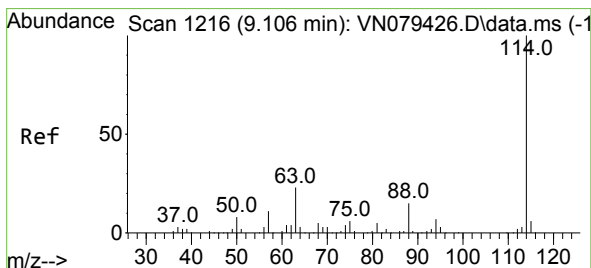
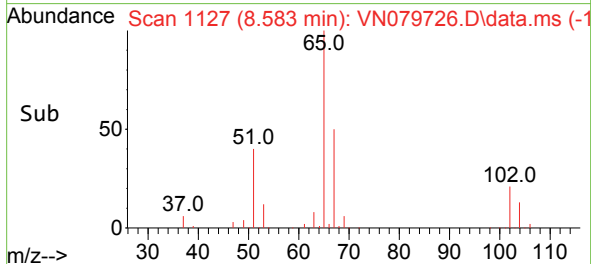
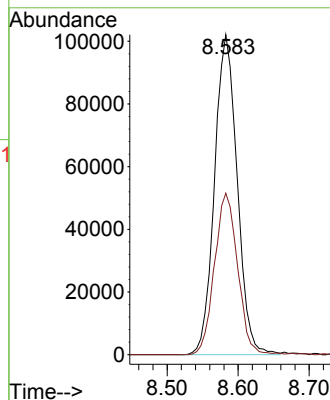
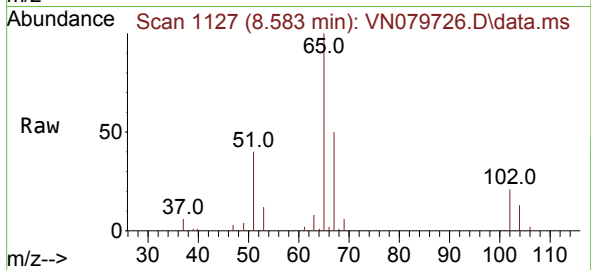
ClientSampleId :

Tgt Ion: 65 Resp: 225906

Ion Ratio Lower Upper

65 100

67 51.5 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: VN079726.D

Acq: 30 Oct 2023 16:24

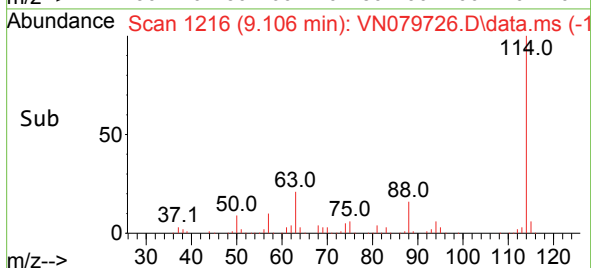
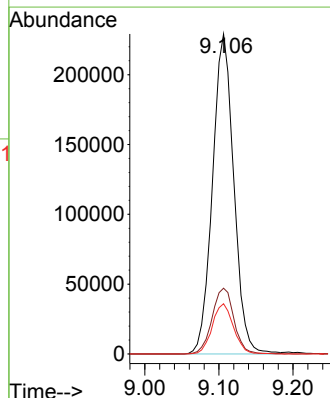
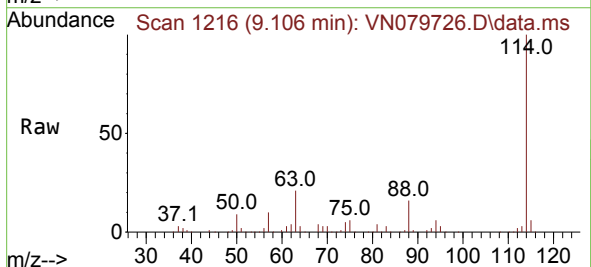
Tgt Ion: 114 Resp: 457168

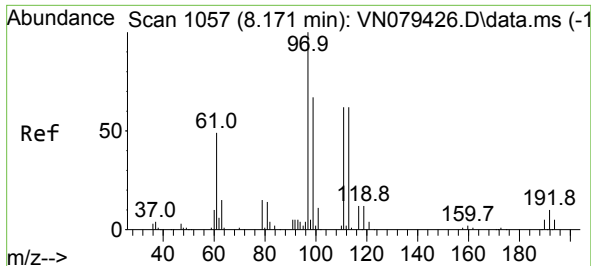
Ion Ratio Lower Upper

114 100

63 20.6 0.0 36.4

88 15.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.633 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

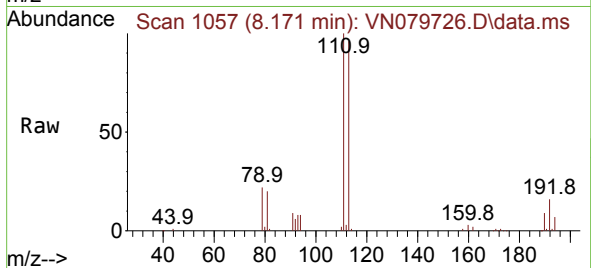
Lab File: VN079726.D

Acq: 30 Oct 2023 16:24

Instrument :

MSVOA_N

ClientSampleId :



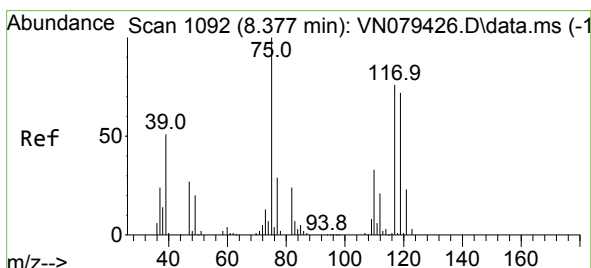
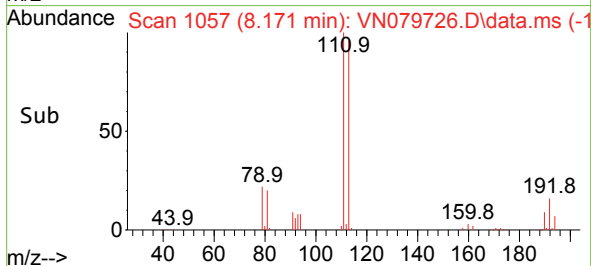
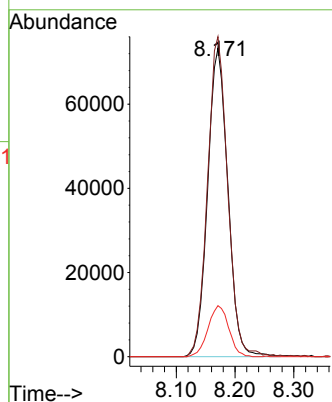
Tgt Ion:113 Resp: 175202

Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

192 17.0 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.763 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079726.D

Acq: 30 Oct 2023 16:24

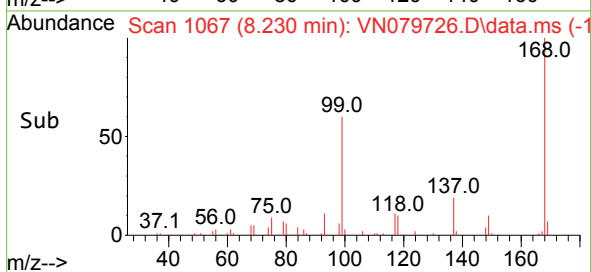
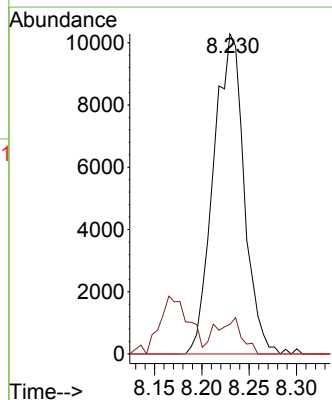
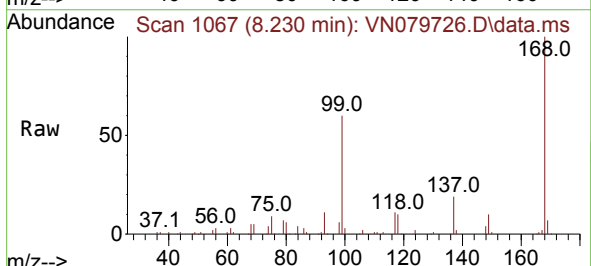
Tgt Ion: 75 Resp: 23084

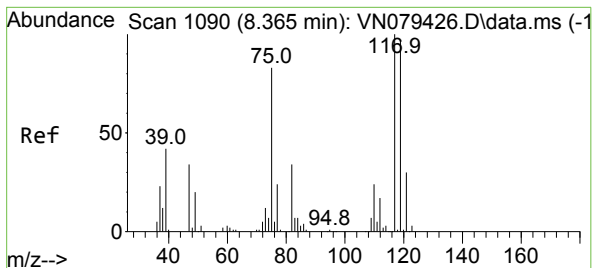
Ion Ratio Lower Upper

75 100

110 9.6 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.775 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

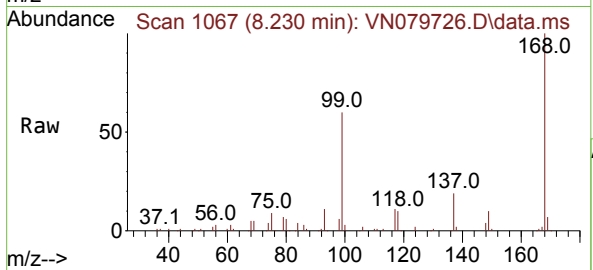
Lab File: VN079726.D

Acq: 30 Oct 2023 16:24

Instrument :

MSVOA_N

ClientSampleId :



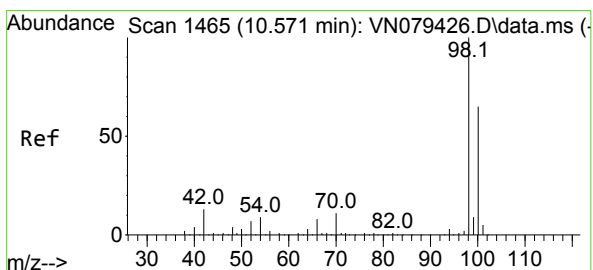
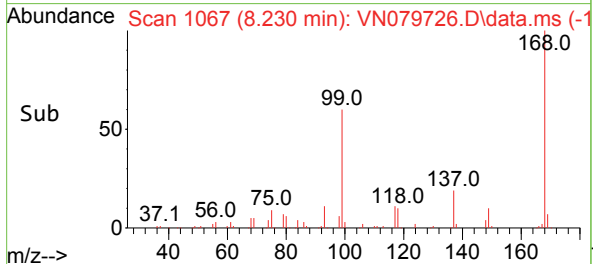
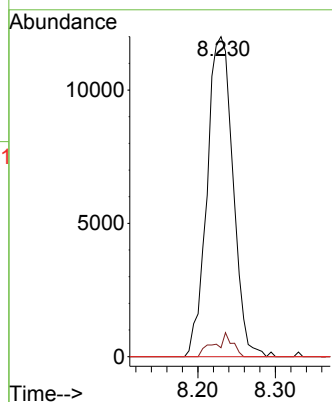
Tgt Ion:117 Resp: 27909

Ion Ratio Lower Upper

117 100

119 2.8 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 49.415 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079726.D

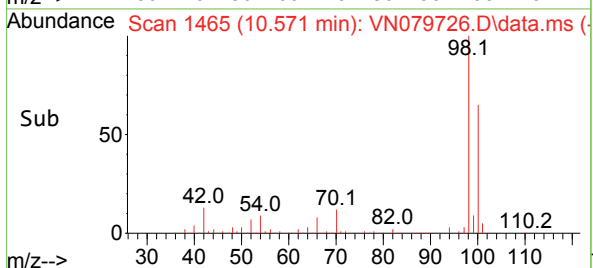
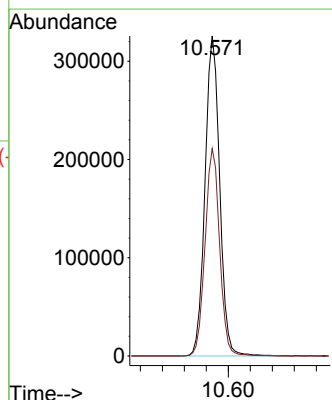
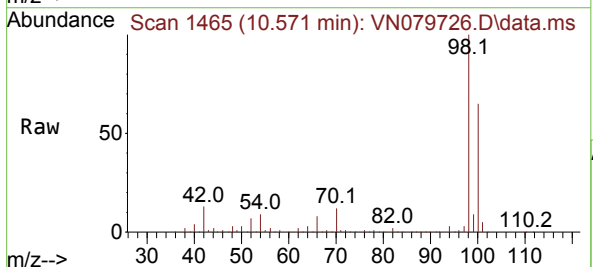
Acq: 30 Oct 2023 16:24

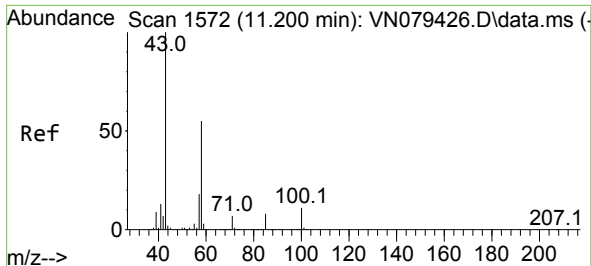
Tgt Ion: 98 Resp: 601766

Ion Ratio Lower Upper

98 100

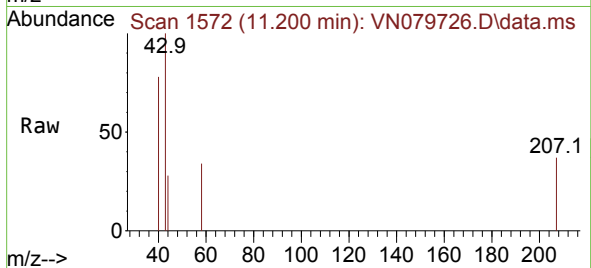
100 64.5 52.0 78.0



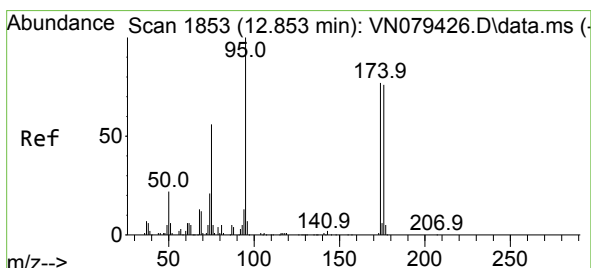
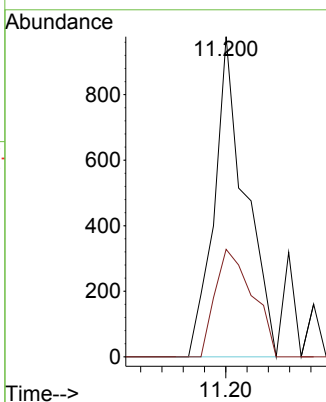
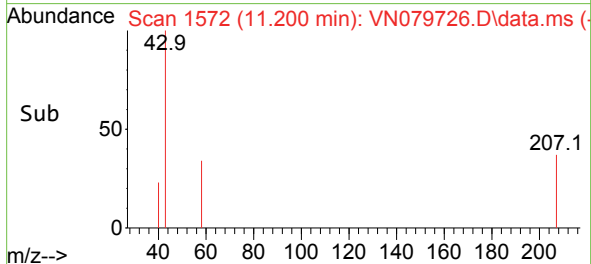


#59
2-Hexanone
Concen: 0.281 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079726.D
Acq: 30 Oct 2023 16:24

Instrument :
MSVOA_N
ClientSampleId :

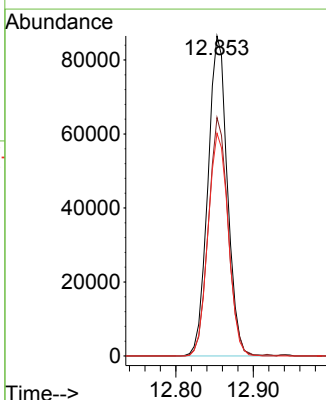
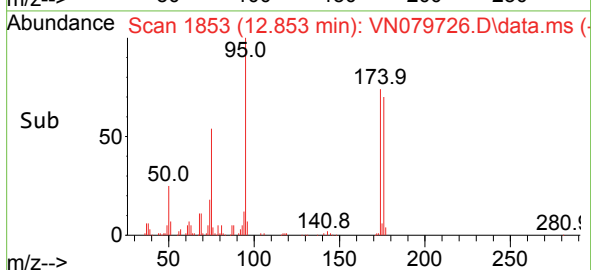
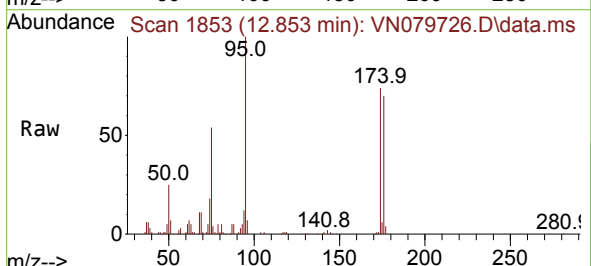


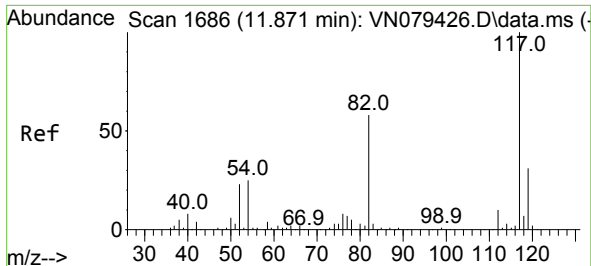
Tgt Ion: 43 Resp: 989
Ion Ratio Lower Upper
43 100
58 40.4 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 39.322 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079726.D
Acq: 30 Oct 2023 16:24

Tgt Ion: 95 Resp: 150795
Ion Ratio Lower Upper
95 100
174 75.0 0.0 143.8
176 72.2 0.0 135.8

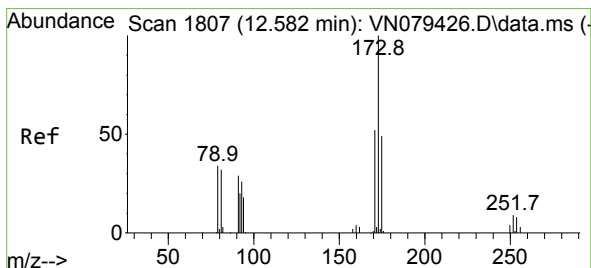
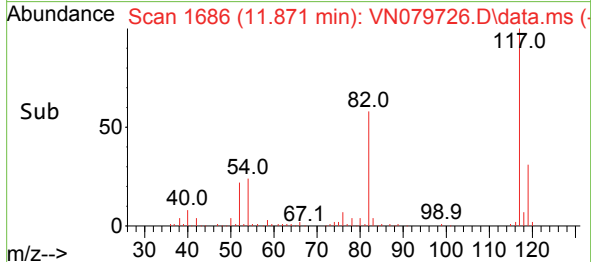
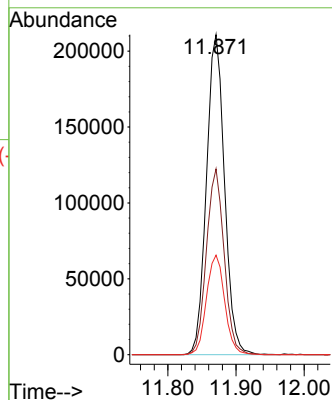
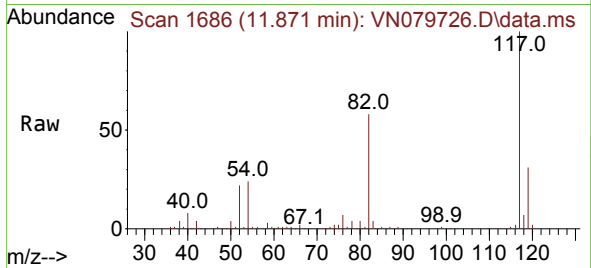




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079726.D
Acq: 30 Oct 2023 16:24

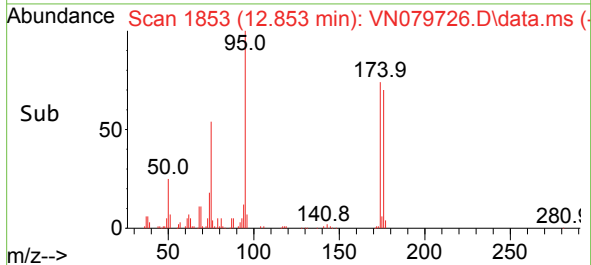
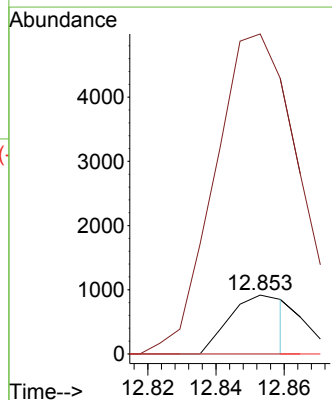
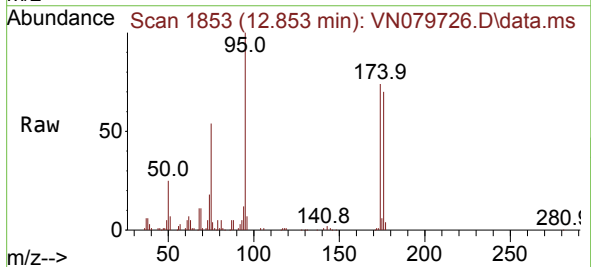
Instrument :
MSVOA_N
ClientSampleId :

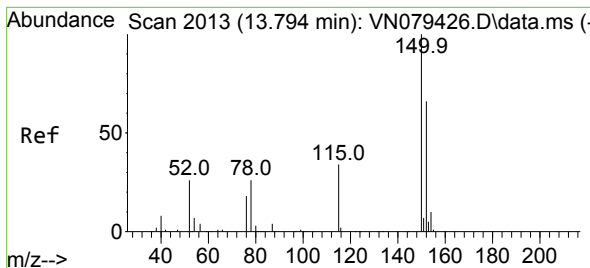
Tgt Ion:117 Resp: 389253
Ion Ratio Lower Upper
117 100
82 58.1 44.0 66.0
119 31.1 25.6 38.4



#71
Bromoform
Concen: 0.450 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079726.D
Acq: 30 Oct 2023 16:24

Tgt Ion:173 Resp: 1031
Ion Ratio Lower Upper
173 100
175 671.8 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# 20

Delta R.T. 0.006 min

Lab File: VN079726.D

Acq: 30 Oct 2023 16:24

Instrument :

MSVOA_N

ClientSampleId :

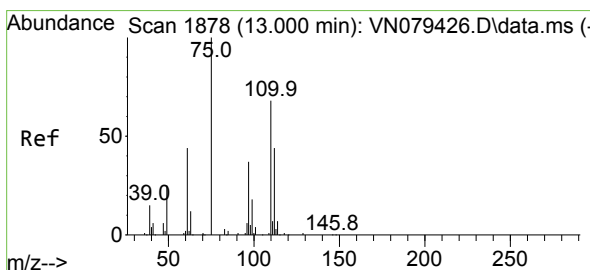
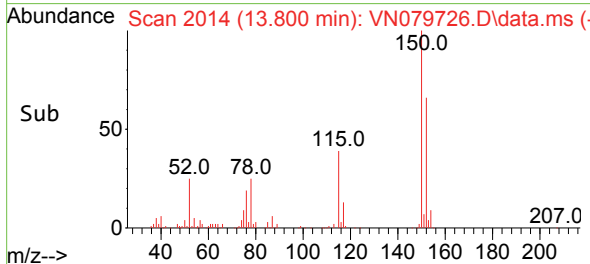
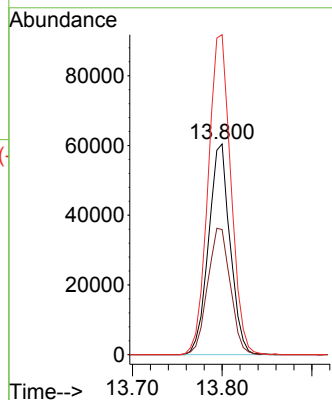
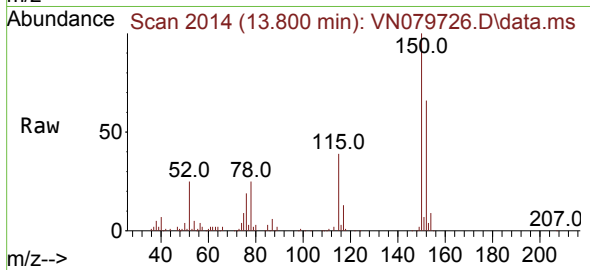
Tgt Ion:152 Resp: 100696

Ion Ratio Lower Upper

152 100

115 63.1 32.3 96.8

150 160.3 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 29.977 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079726.D

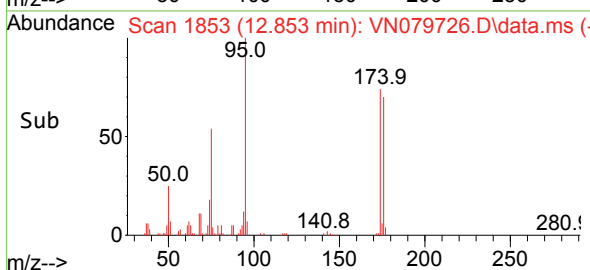
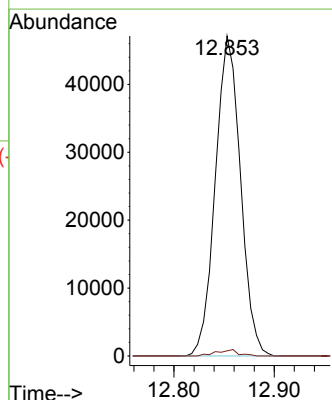
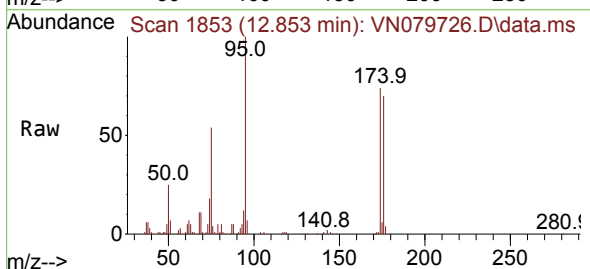
Acq: 30 Oct 2023 16:24

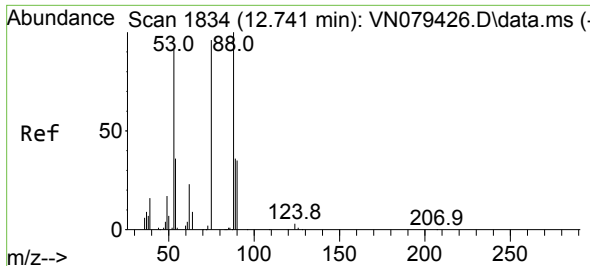
Tgt Ion: 75 Resp: 81965

Ion Ratio Lower Upper

75 100

77 1.7 84.5 253.5#

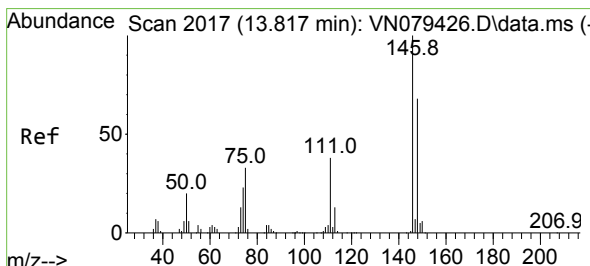
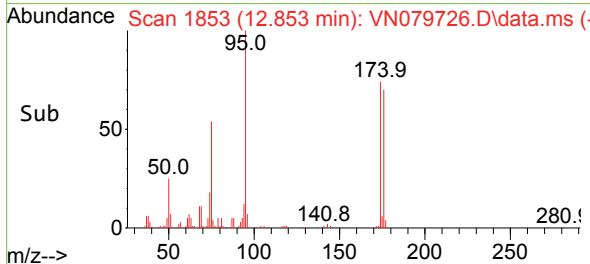
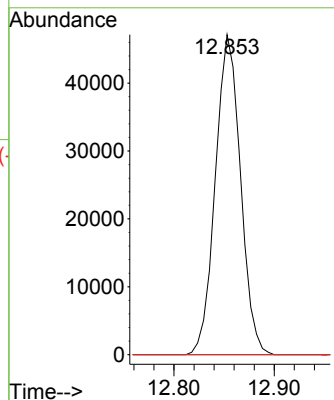
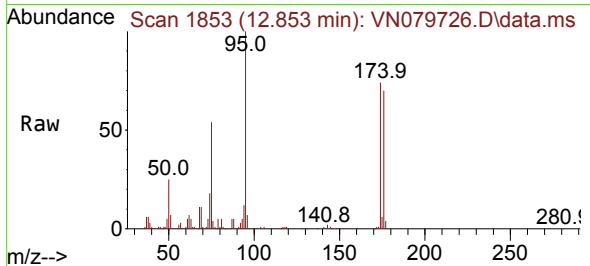




#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.423 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN079726.D
 Acq: 30 Oct 2023 16:24

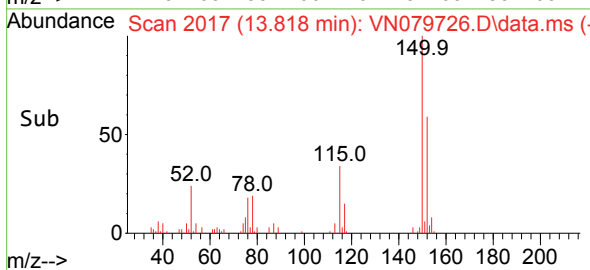
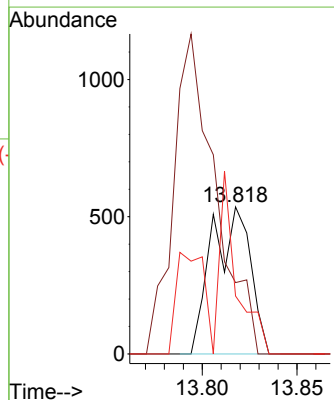
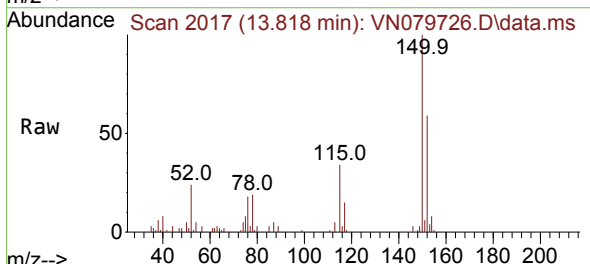
Instrument :
 MSVOA_N
 ClientSampleId :

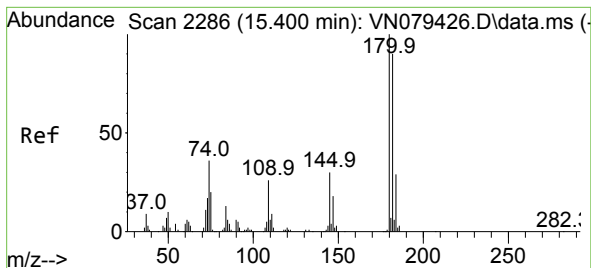
Tgt Ion: 75 Resp: 81965
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#



#88
 1,4-Dichlorobenzene
 Concen: 0.210 ug/l
 RT: 13.818 min Scan# 2017
 Delta R.T. 0.001 min
 Lab File: VN079726.D
 Acq: 30 Oct 2023 16:24

Tgt Ion: 146 Resp: 758
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.6 61.8#
 148 55.0 31.6 94.8





#93

1,2,4-Trichlorobenzene

Concen: 0.311 ug/l

RT: 15.400 min Scan# 21

Delta R.T. -0.000 min

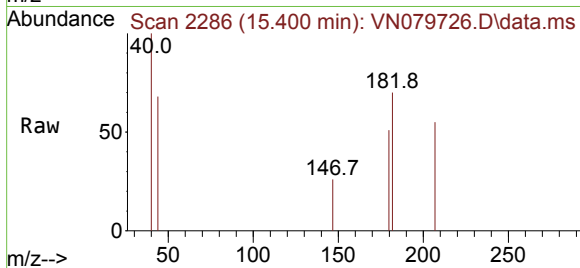
Lab File: VN079726.D

Acq: 30 Oct 2023 16:24

Instrument :

MSVOA_N

ClientSampleId :



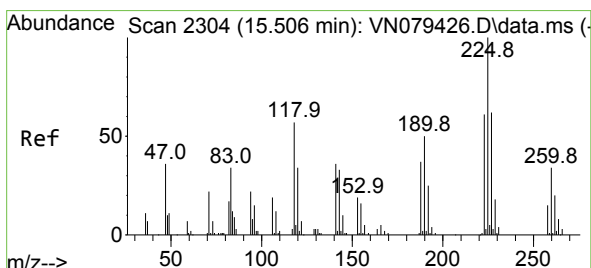
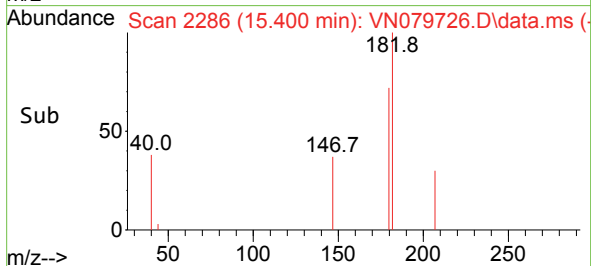
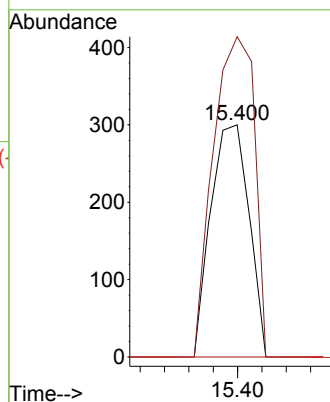
Tgt Ion:180 Resp: 327

Ion Ratio Lower Upper

180 100

182 149.2 46.1 138.2#

145 0.0 16.6 49.8#



#94

Hexachlorobutadiene

Concen: 0.465 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. -0.000 min

Lab File: VN079726.D

Acq: 30 Oct 2023 16:24

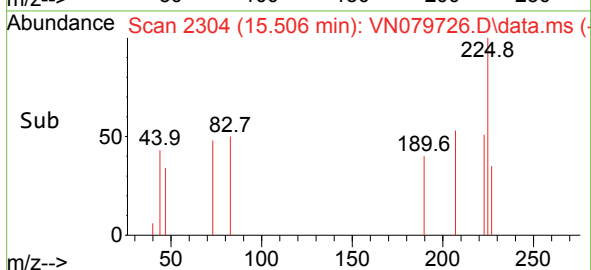
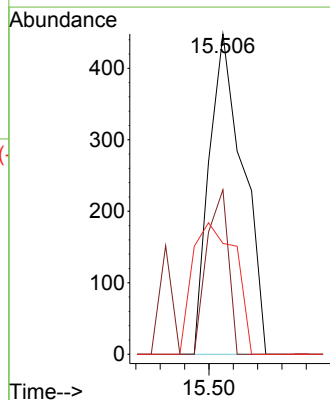
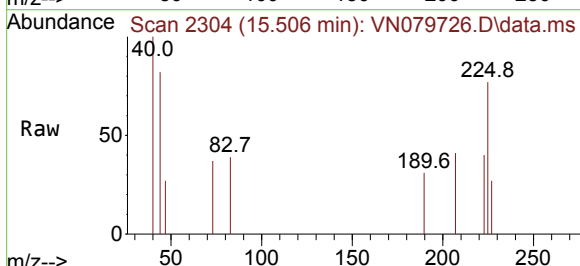
Tgt Ion:225 Resp: 434

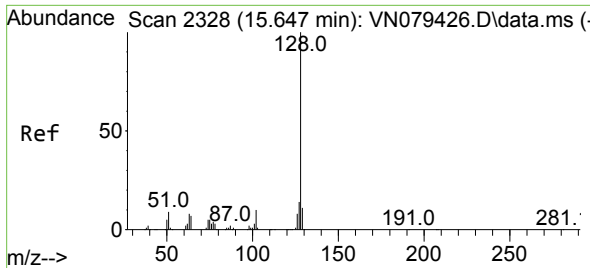
Ion Ratio Lower Upper

225 100

223 32.7 31.3 93.8

227 52.1 31.9 95.9

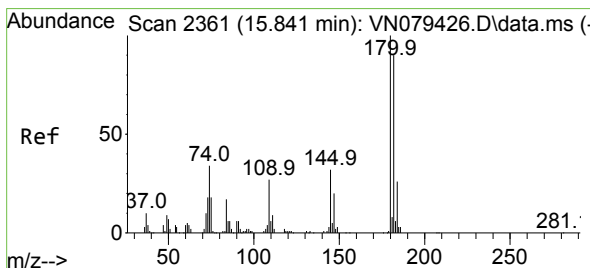
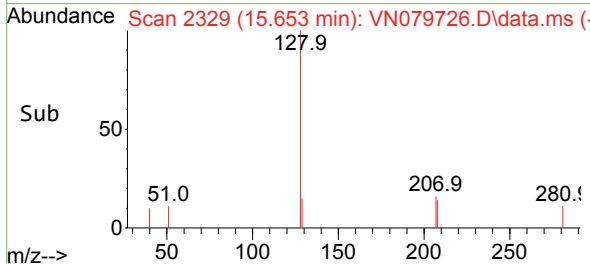
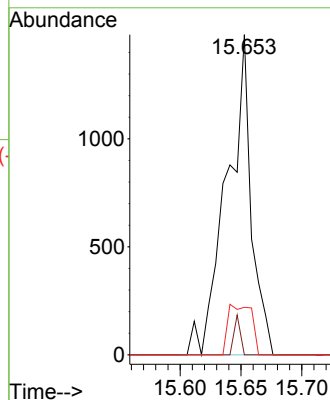
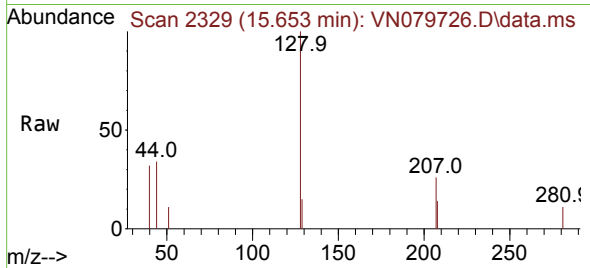




#95
Naphthalene
Concen: 0.676 ug/l
RT: 15.653 min Scan# 2329
Delta R.T. 0.006 min
Lab File: VN079726.D
Acq: 30 Oct 2023 16:24

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 2065
Ion Ratio Lower Upper
128 100
127 3.1 10.0 15.0#
129 15.1 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.558 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN079726.D
Acq: 30 Oct 2023 16:24

Tgt Ion:180 Resp: 655
Ion Ratio Lower Upper
180 100
182 66.4 46.2 138.6
145 22.1 17.5 52.6

