

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101123\
 Data File : VN079524.D
 Acq On : 11 Oct 2023 18:00
 Operator : JC\MD
 Sample : 04833-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 12 06:13:14 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	301857	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	589017	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	547146	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	175203	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	243441	49.739	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.480%
35) Dibromofluoromethane	8.171	113	212020	50.089	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.180%
50) Toluene-d8	10.570	98	684946	44.721	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.440%
62) 4-Bromofluorobenzene	12.853	95	232801	47.364	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.720%

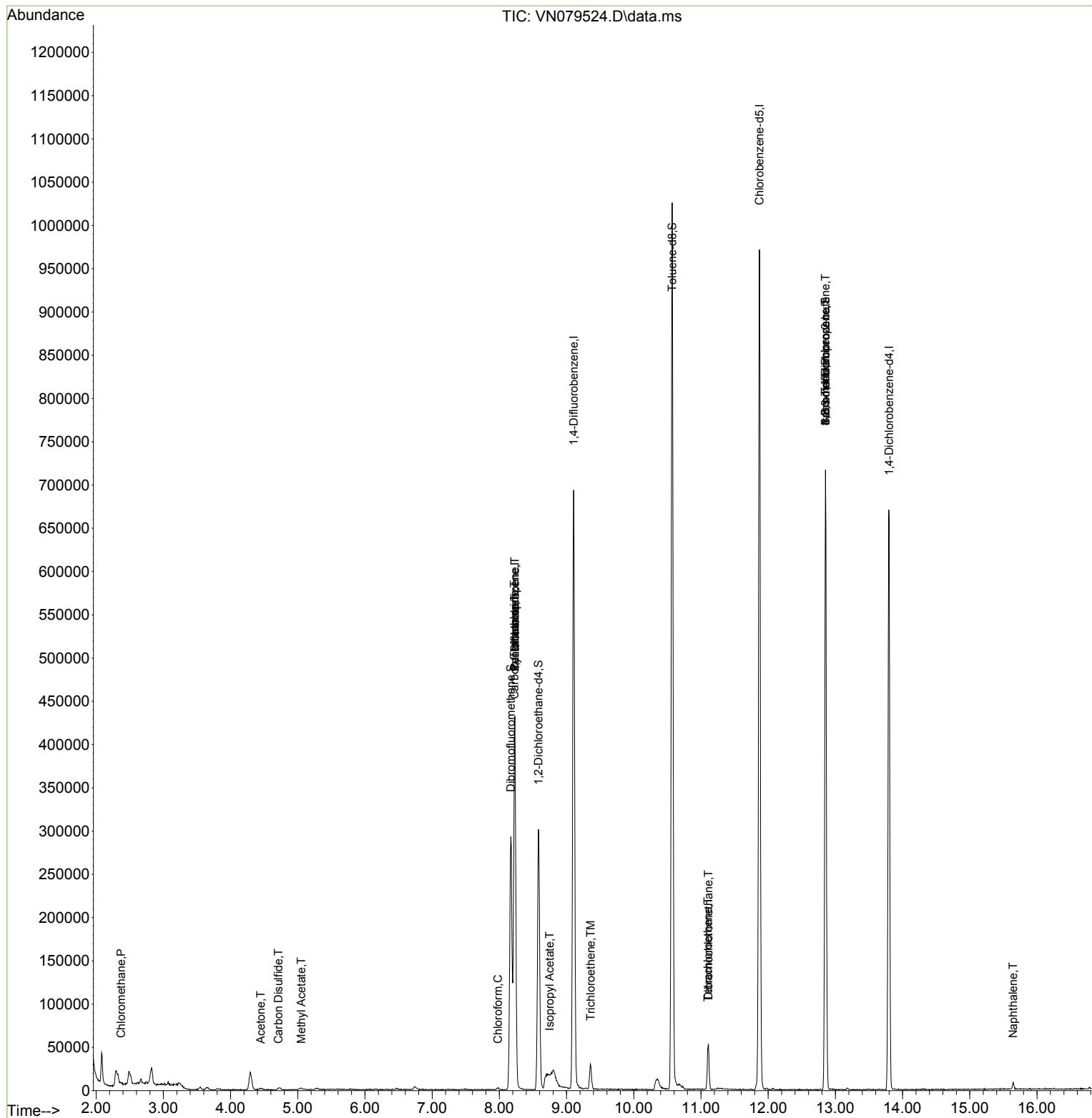
Target Compounds				Qvalue		
3) Chloromethane	2.371	50	1373	0.254	ug/l	91
16) Acetone	4.447	43	2788	1.436	ug/l #	85
17) Carbon Disulfide	4.712	76	2419	0.217	ug/l #	68
18) Methyl Acetate	5.053	43	4072	0.429	ug/l #	53
20) Methylene Chloride	5.265	84	722	Below Cal	#	62
30) Chloroform	7.977	83	1866	0.234	ug/l	100
31) Cyclohexane	8.229	56	8459	1.218	ug/l #	23
36) 1,1-Dichloropropene	8.229	75	28069	4.418	ug/l #	47
38) Carbon Tetrachloride	8.224	117	32953	5.181	ug/l #	15
43) Isopropyl Acetate	8.747	43	28049	2.533	ug/l #	50
44) Trichloroethene	9.359	130	10239	2.306	ug/l	92
60) Dibromochloromethane	11.112	129	11261	2.513	ug/l #	11
64) Tetrachloroethene	11.106	164	11661	3.098	ug/l	97
71) Bromoform	12.853	173	2088	0.639	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.853	83	72	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	130322	25.798	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	130322	74.855	ug/l #	15
95) Naphthalene	15.647	128	6084	1.040	ug/l	96

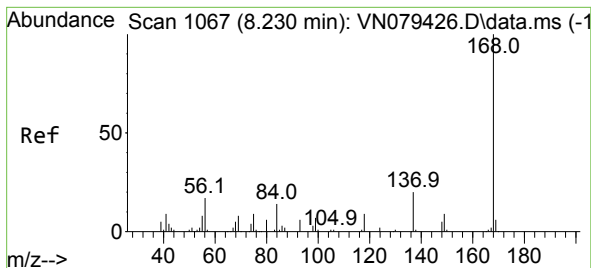
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101123\
Data File : VN079524.D
Acq On : 11 Oct 2023 18:00
Operator : JC\MD
Sample : 04833-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 12 06:13:14 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: VN079524.D

Acq: 11 Oct 2023 18:00

Instrument :

MSVOA_N

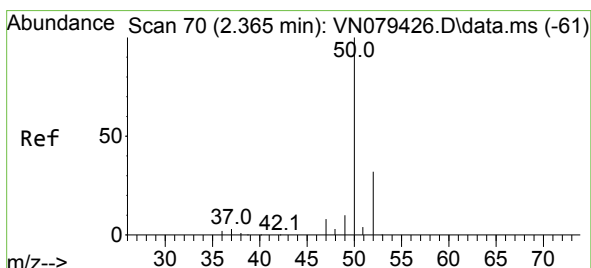
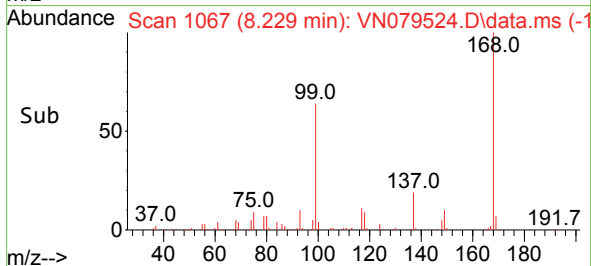
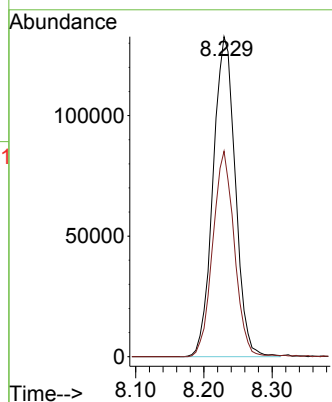
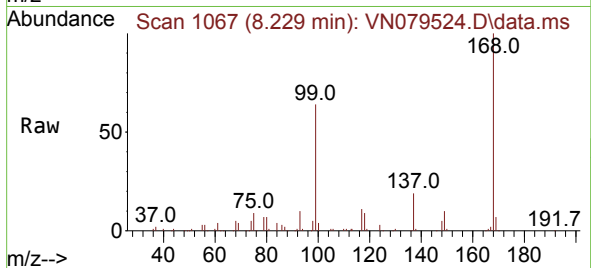
ClientSampleId :

Tgt Ion:168 Resp: 301857

Ion Ratio Lower Upper

168 100

99 64.2 53.0 79.6



#3

Chloromethane

Concen: 0.254 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN079524.D

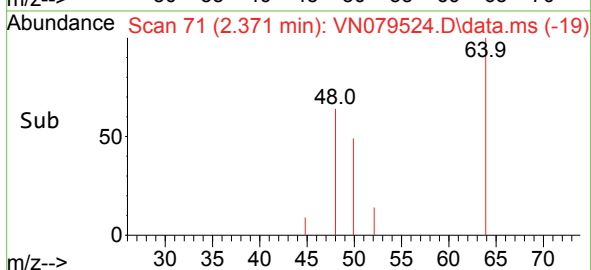
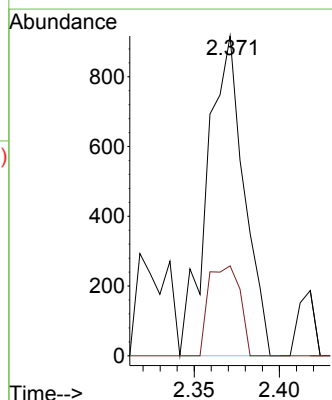
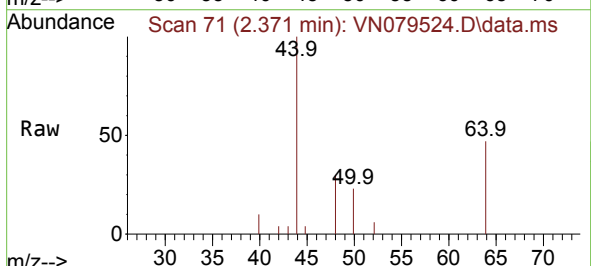
Acq: 11 Oct 2023 18:00

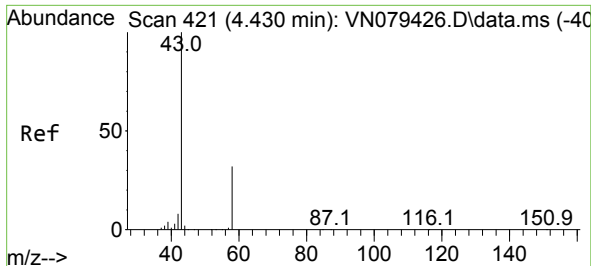
Tgt Ion: 50 Resp: 1373

Ion Ratio Lower Upper

50 100

52 28.1 26.5 39.7

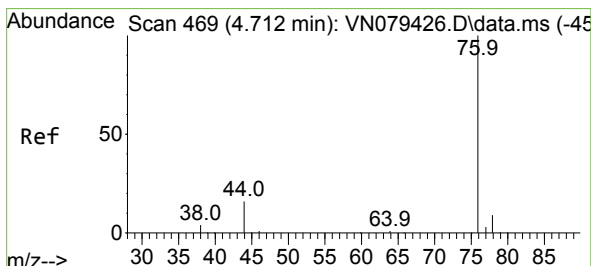
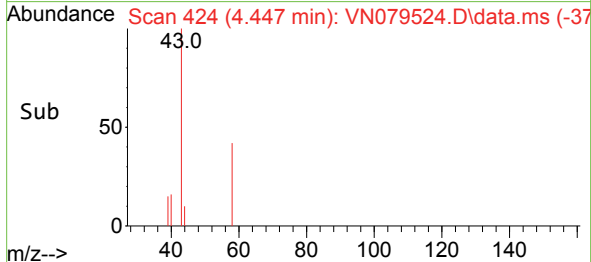
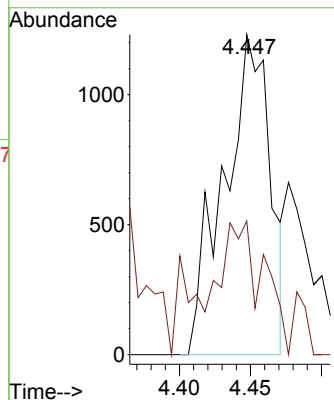
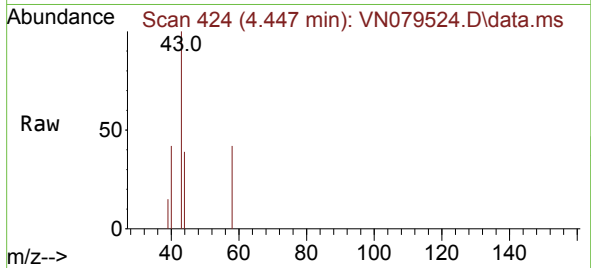




#16
Acetone
Concen: 1.436 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN079524.D
Acq: 11 Oct 2023 18:00

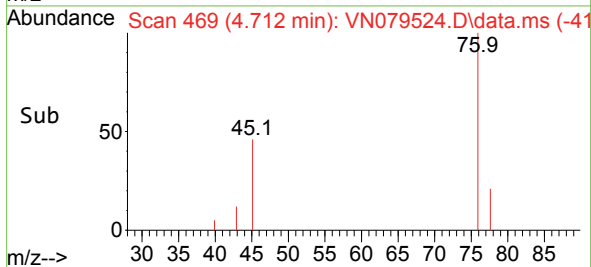
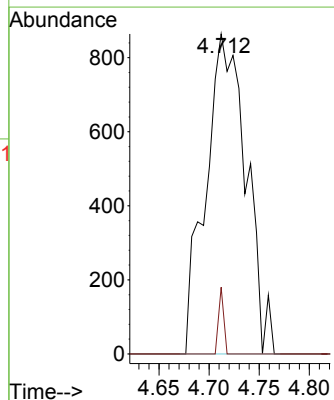
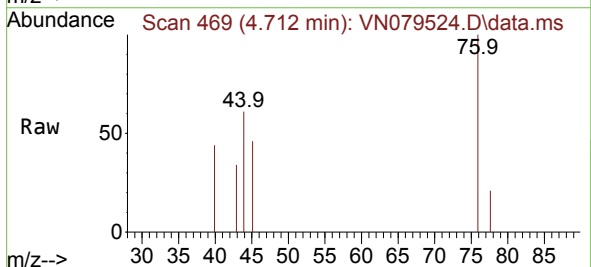
Instrument :
MSVOA_N
ClientSampleId :

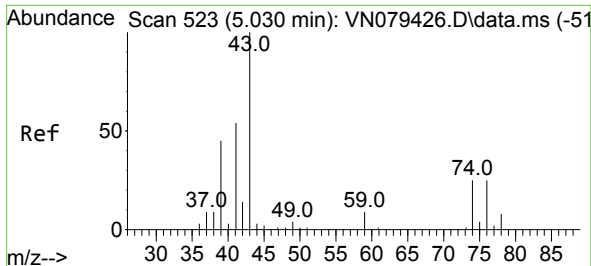
Tgt Ion: 43 Resp: 2788
Ion Ratio Lower Upper
43 100
58 26.4 28.0 42.0#



#17
Carbon Disulfide
Concen: 0.217 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN079524.D
Acq: 11 Oct 2023 18:00

Tgt Ion: 76 Resp: 2419
Ion Ratio Lower Upper
76 100
78 20.8 7.4 11.0#

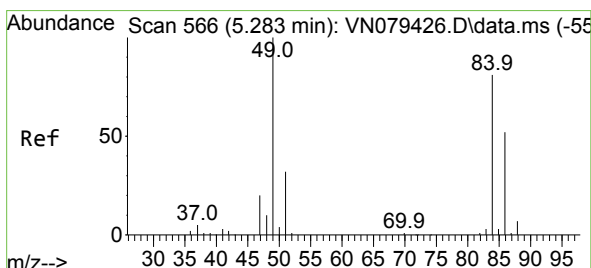
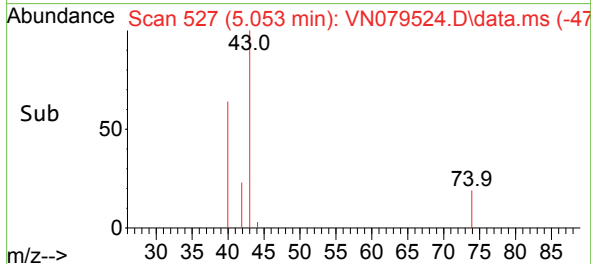
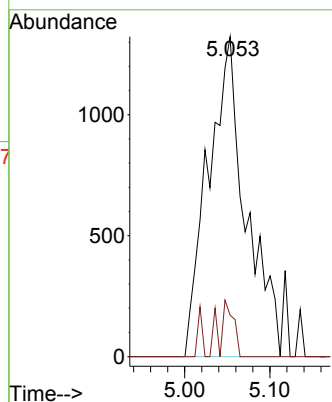
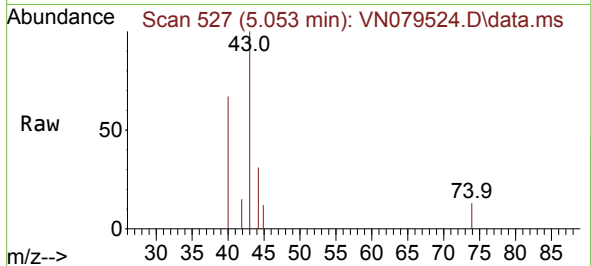




#18
Methyl Acetate
Concen: 0.429 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.023 min
Lab File: VN079524.D
Acq: 11 Oct 2023 18:00

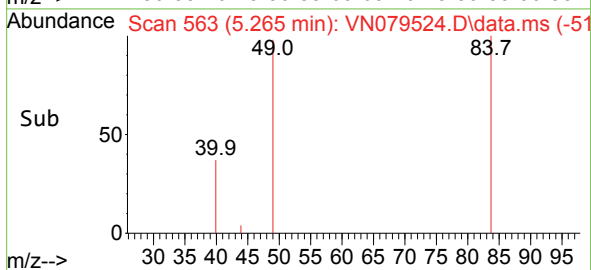
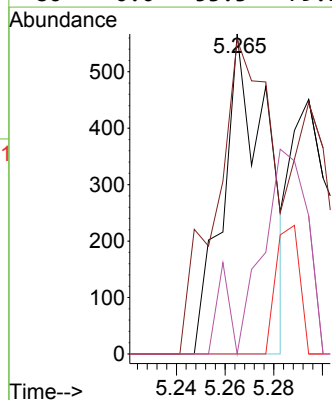
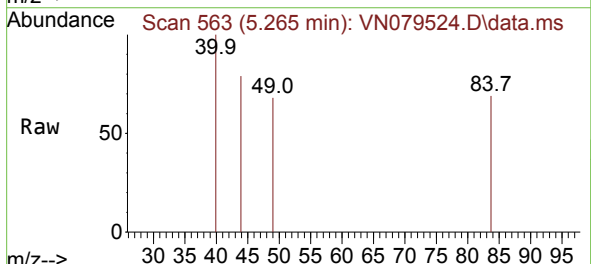
Instrument :
MSVOA_N
ClientSampleId :

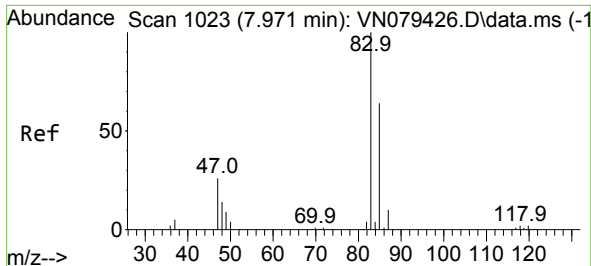
Tgt Ion: 43 Resp: 4072
Ion Ratio Lower Upper
43 100
74 6.6 26.2 39.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.265 min Scan# 563
Delta R.T. -0.018 min
Lab File: VN079524.D
Acq: 11 Oct 2023 18:00

Tgt Ion: 84 Resp: 722
Ion Ratio Lower Upper
84 100
49 98.2 79.7 119.5
51 0.0 25.2 37.8#
86 0.0 53.3 79.9#





#30

Chloroform

Concen: 0.234 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.006 min

Lab File: VN079524.D

Acq: 11 Oct 2023 18:00

Instrument :

MSVOA_N

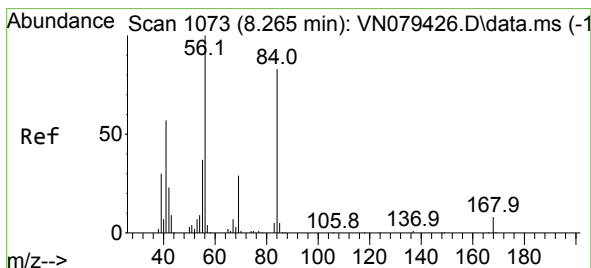
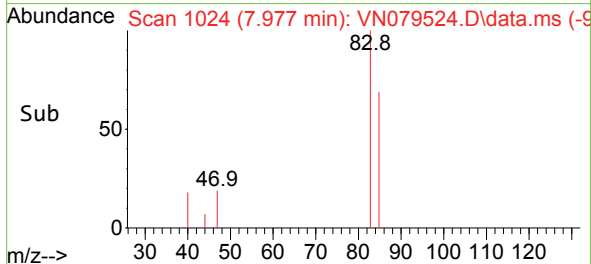
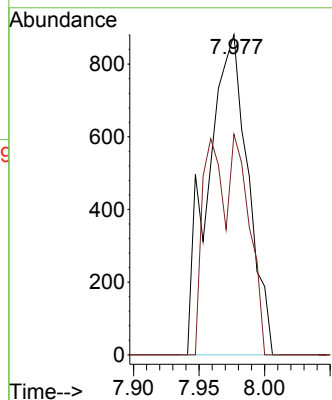
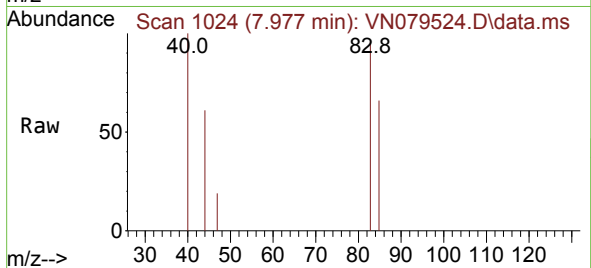
ClientSampleId :

Tgt Ion: 83 Resp: 1866

Ion Ratio Lower Upper

83 100

85 68.9 55.4 83.0



#31

Cyclohexane

Concen: 1.218 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN079524.D

Acq: 11 Oct 2023 18:00

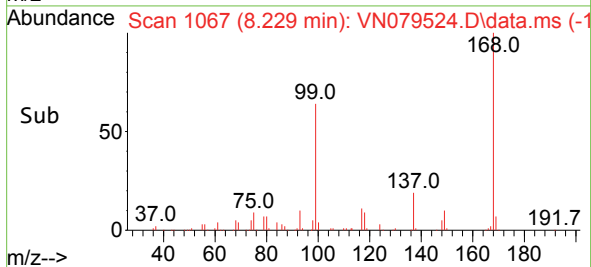
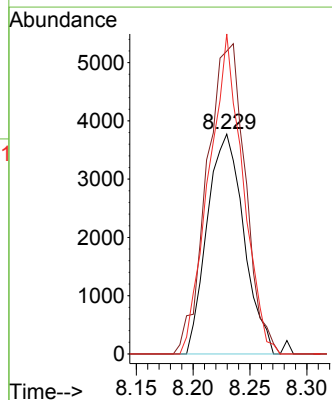
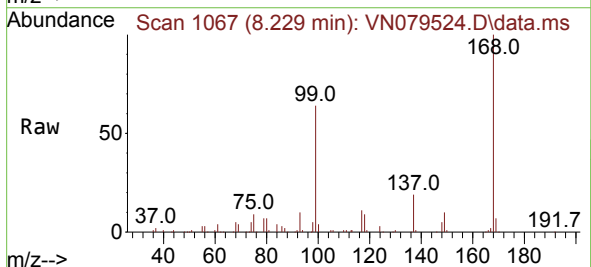
Tgt Ion: 56 Resp: 8459

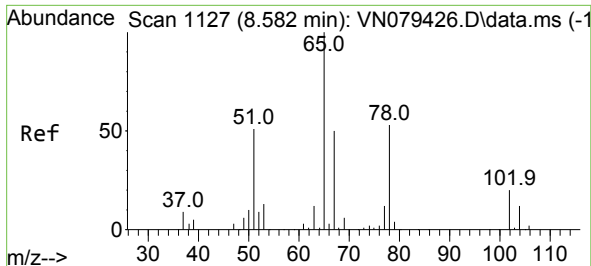
Ion Ratio Lower Upper

56 100

69 137.8 26.8 40.2#

84 145.6 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 49.739 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079524.D

Acq: 11 Oct 2023 18:00

Instrument :

MSVOA_N

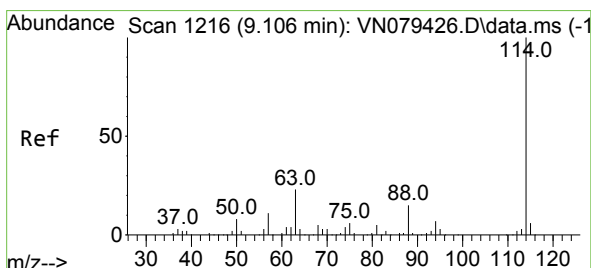
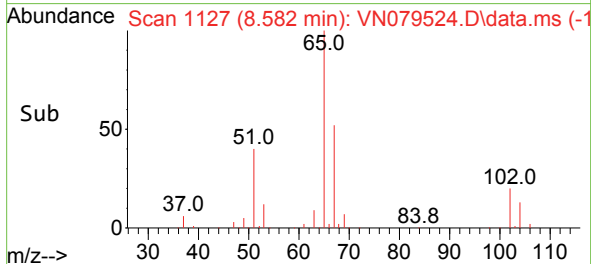
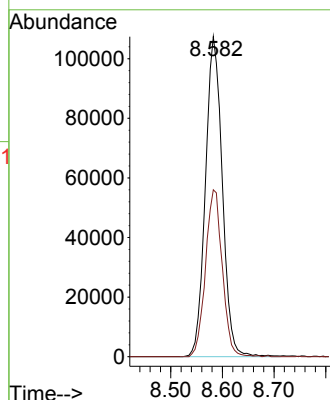
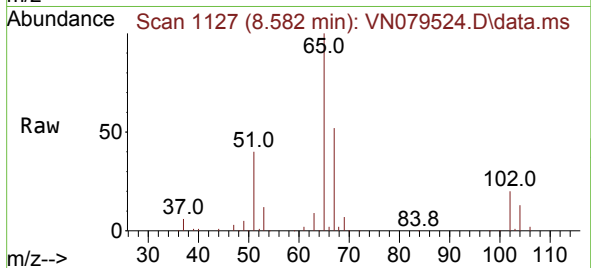
ClientSampleId :

Tgt Ion: 65 Resp: 243441

Ion Ratio Lower Upper

65 100

67 51.7 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: VN079524.D

Acq: 11 Oct 2023 18:00

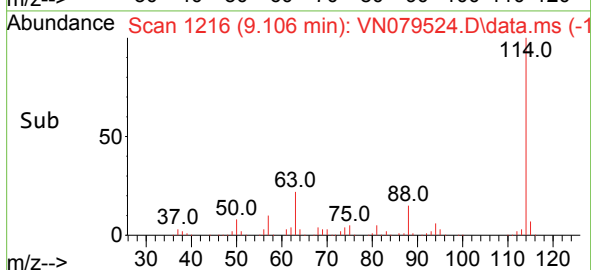
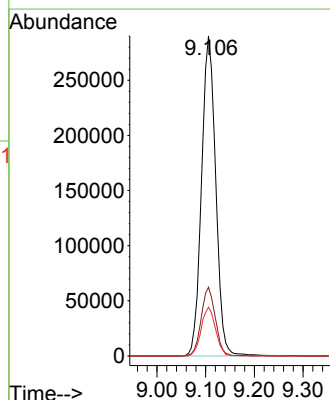
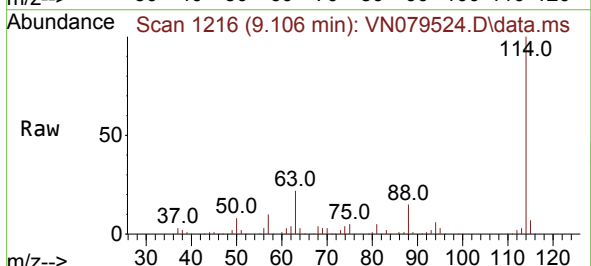
Tgt Ion: 114 Resp: 589017

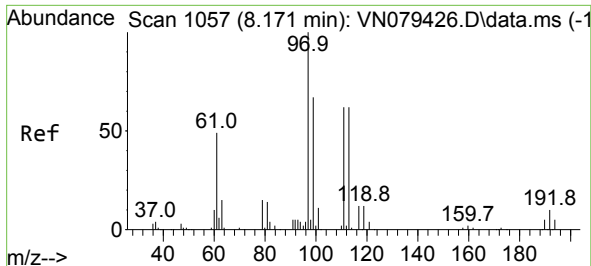
Ion Ratio Lower Upper

114 100

63 21.5 0.0 36.4

88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.089 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

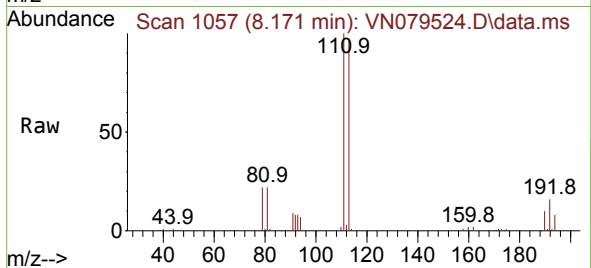
Lab File: VN079524.D

Acq: 11 Oct 2023 18:00

Instrument :

MSVOA_N

ClientSampleId :



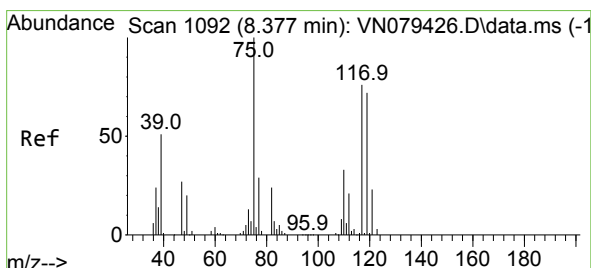
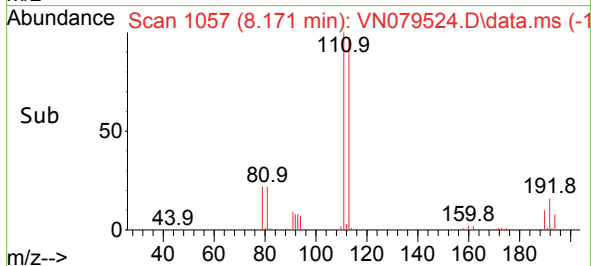
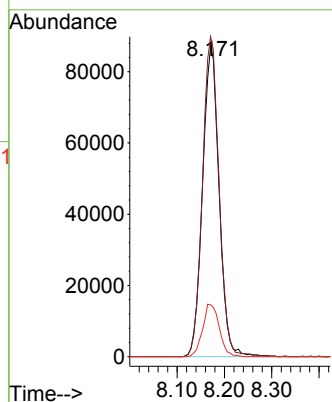
Tgt Ion:113 Resp: 212020

Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 16.9 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.418 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079524.D

Acq: 11 Oct 2023 18:00

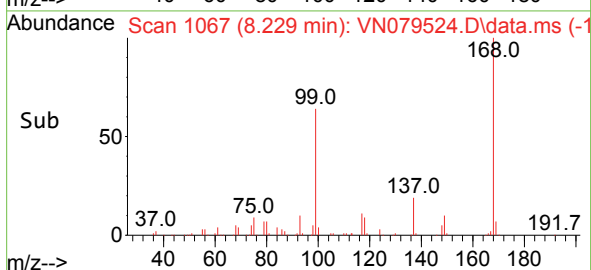
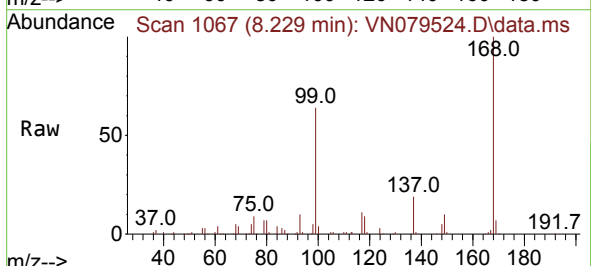
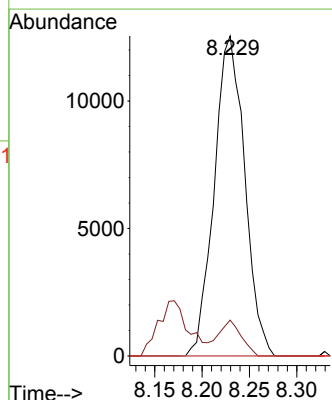
Tgt Ion: 75 Resp: 28069

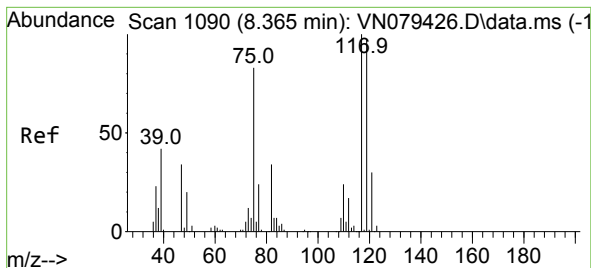
Ion Ratio Lower Upper

75 100

110 8.4 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.181 ug/l

RT: 8.224 min Scan# 1105

Delta R.T. -0.141 min

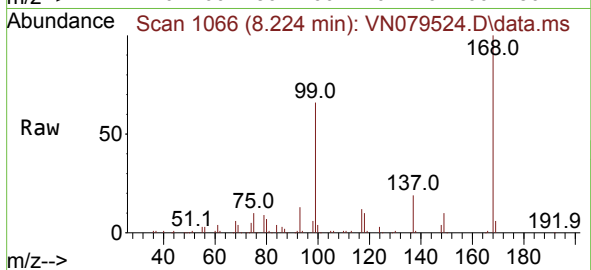
Lab File: VN079524.D

Acq: 11 Oct 2023 18:00

Instrument :

MSVOA_N

ClientSampleId :



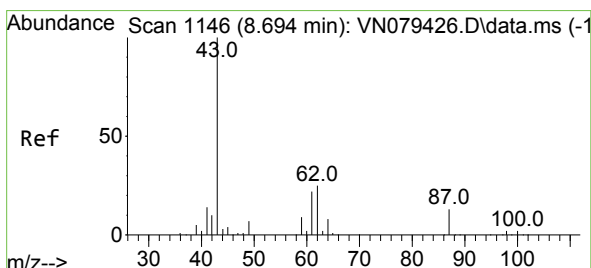
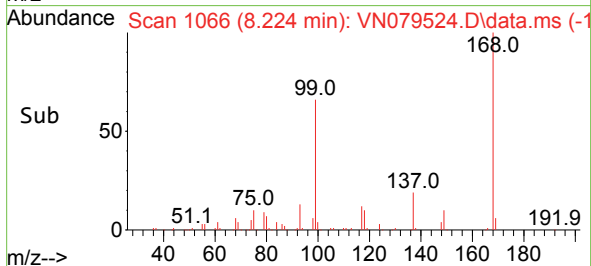
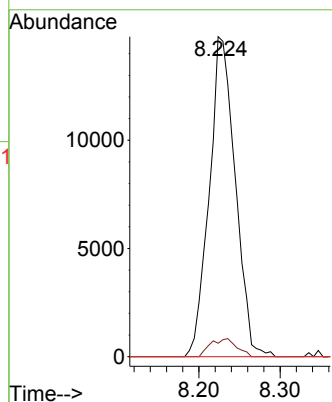
Tgt Ion:117 Resp: 32953

Ion Ratio Lower Upper

117 100

119 4.2 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 2.533 ug/l

RT: 8.747 min Scan# 1155

Delta R.T. 0.053 min

Lab File: VN079524.D

Acq: 11 Oct 2023 18:00

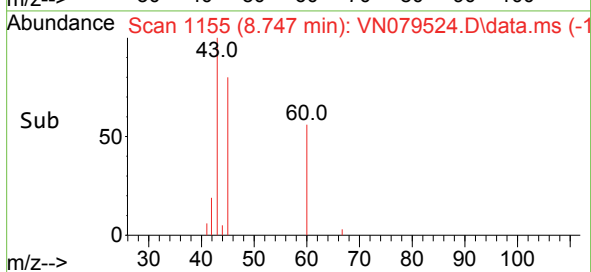
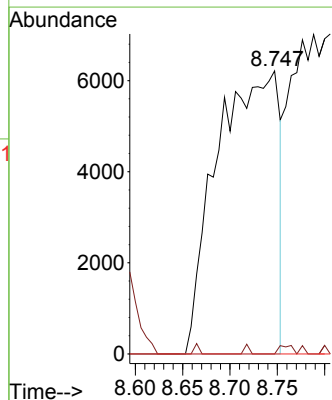
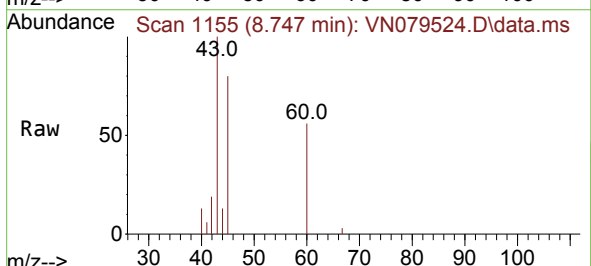
Tgt Ion: 43 Resp: 28049

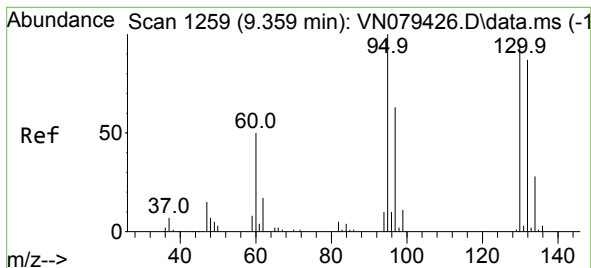
Ion Ratio Lower Upper

43 100

61 0.9 24.7 37.1#

87 0.0 14.6 21.8#





#44

Trichloroethene

Concen: 2.306 ug/l

RT: 9.359 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079524.D

Acq: 11 Oct 2023 18:00

Instrument :

MSVOA_N

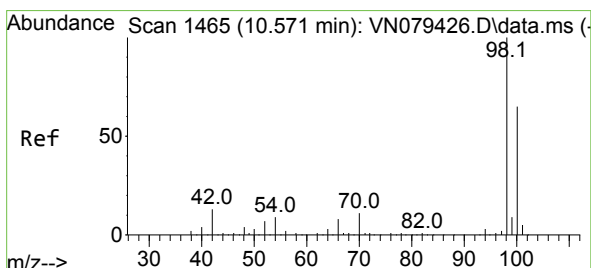
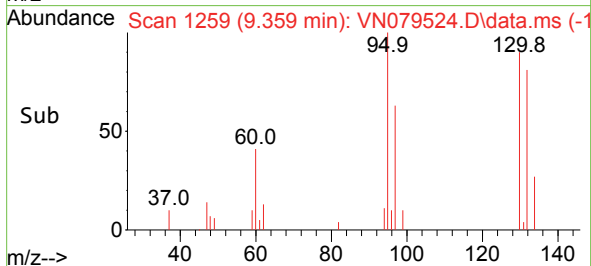
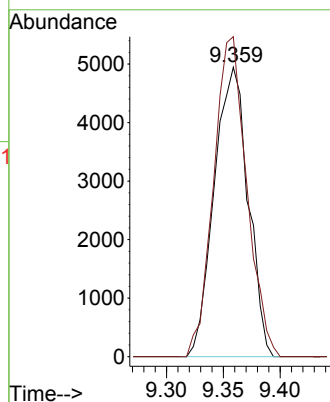
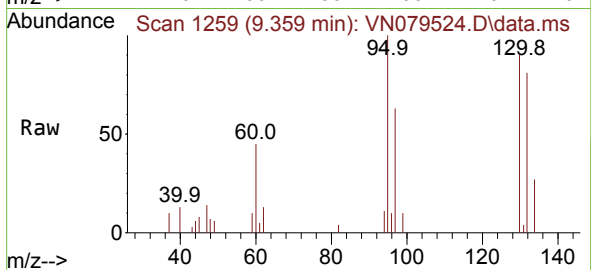
ClientSampleId :

Tgt Ion:130 Resp: 10239

Ion Ratio Lower Upper

130 100

95 110.6 0.0 204.6



#50

Toluene-d8

Concen: 44.721 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079524.D

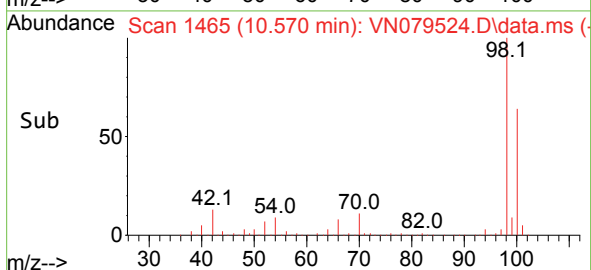
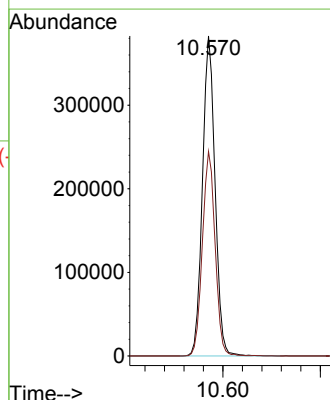
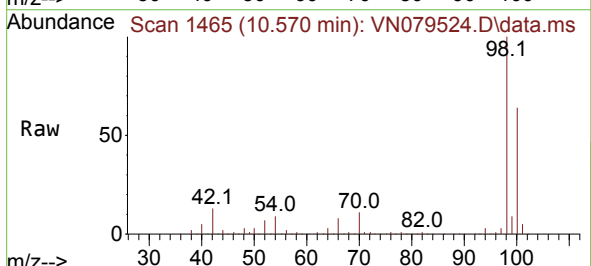
Acq: 11 Oct 2023 18:00

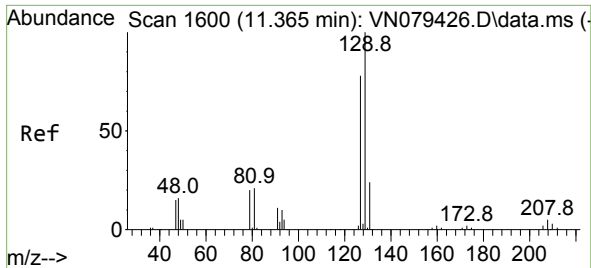
Tgt Ion: 98 Resp: 684946

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0

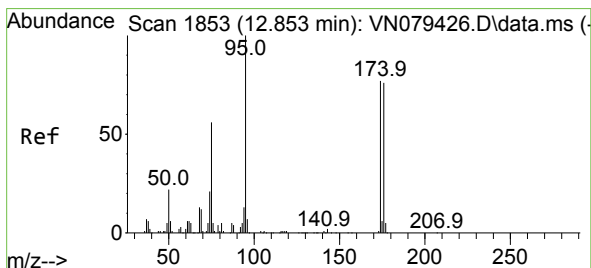
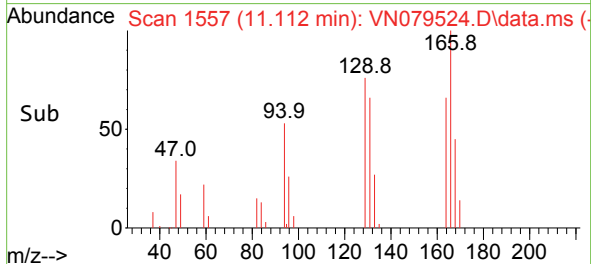
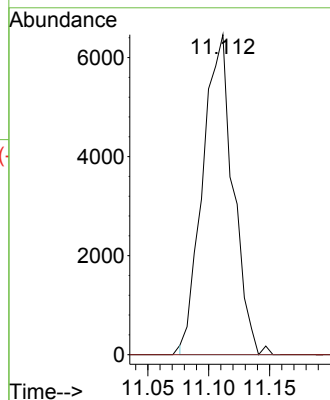
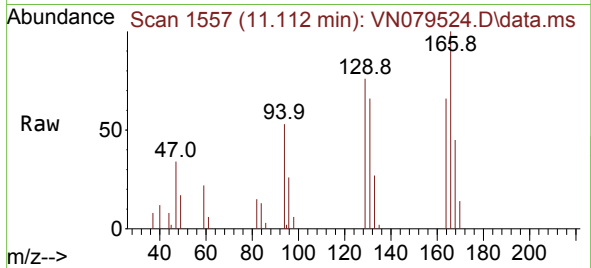




#60
Dibromochloromethane
Concen: 2.513 ug/l
RT: 11.112 min Scan# 1111
Delta R.T. -0.253 min
Lab File: VN079524.D
Acq: 11 Oct 2023 18:00

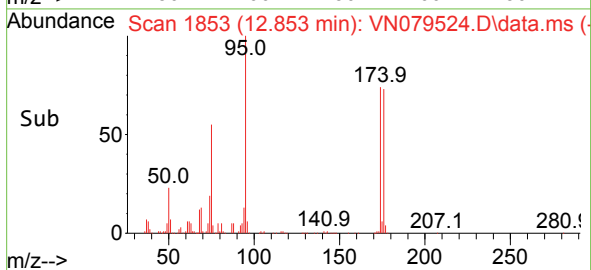
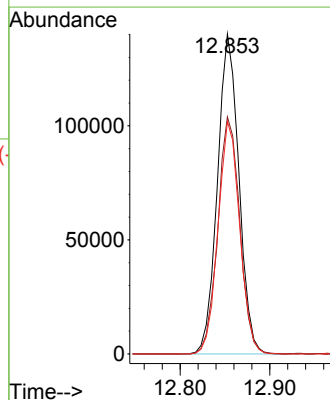
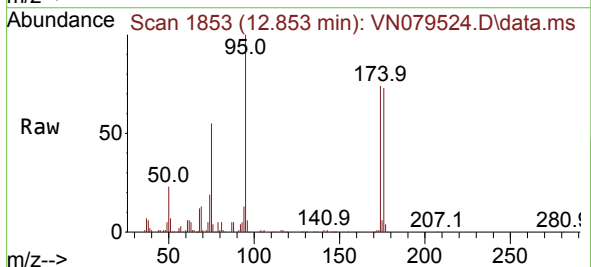
Instrument :
MSVOA_N
ClientSampleId :

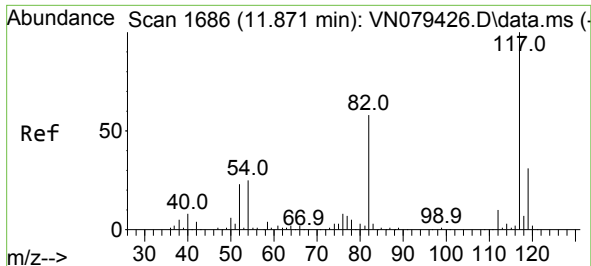
Tgt Ion:129 Resp: 11261
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 47.364 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079524.D
Acq: 11 Oct 2023 18:00

Tgt Ion: 95 Resp: 232801
Ion Ratio Lower Upper
95 100
174 75.8 0.0 143.8
176 73.1 0.0 135.8

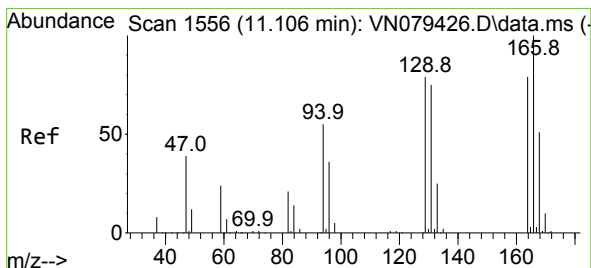
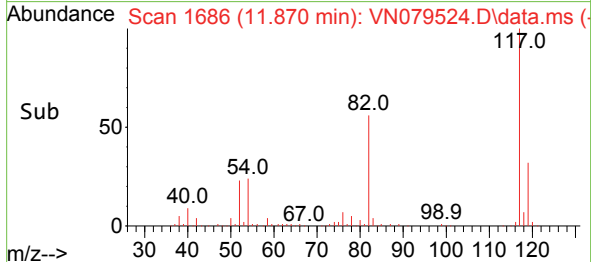
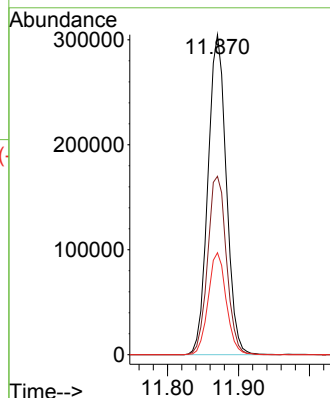
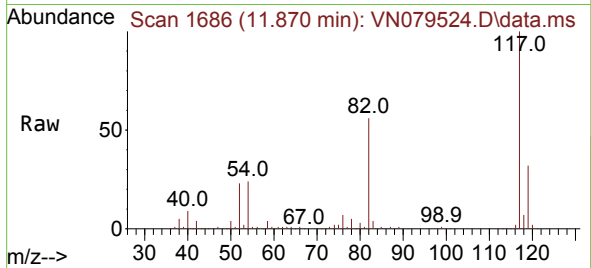




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079524.D
Acq: 11 Oct 2023 18:00

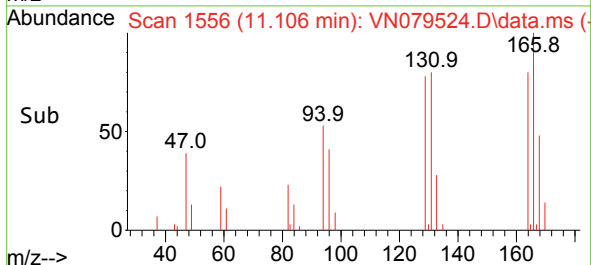
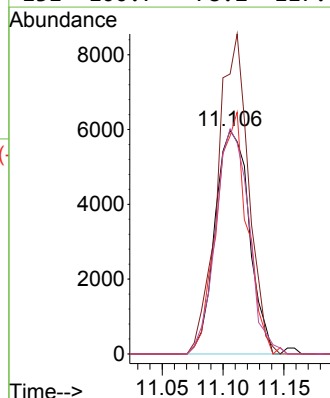
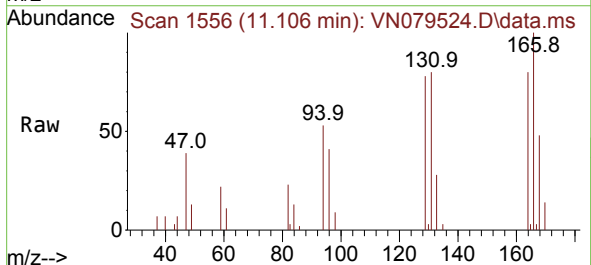
Instrument :
MSVOA_N
ClientSampleId :

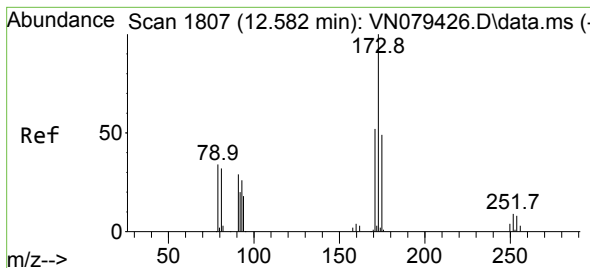
Tgt Ion:117 Resp: 547146
Ion Ratio Lower Upper
117 100
82 55.8 44.0 66.0
119 31.9 25.6 38.4



#64
Tetrachloroethene
Concen: 3.098 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN079524.D
Acq: 11 Oct 2023 18:00

Tgt Ion:164 Resp: 11661
Ion Ratio Lower Upper
164 100
166 125.3 101.4 152.0
129 97.5 82.4 123.6
131 100.7 78.2 117.4





#71

Bromoform

Concen: 0.639 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.270 min

Lab File: VN079524.D

Acq: 11 Oct 2023 18:00

Instrument :

MSVOA_N

ClientSampleId :

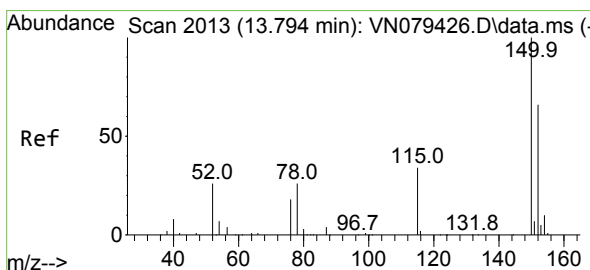
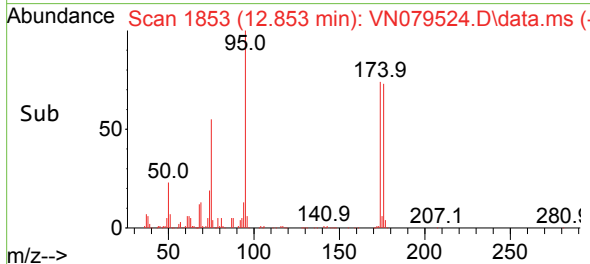
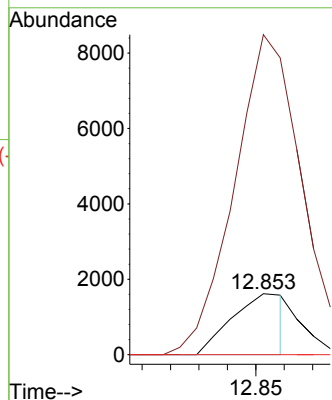
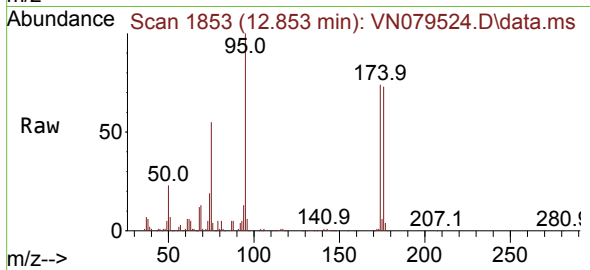
Tgt Ion:173 Resp: 2088

Ion Ratio Lower Upper

173 100

175 498.4 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.006 min

Lab File: VN079524.D

Acq: 11 Oct 2023 18:00

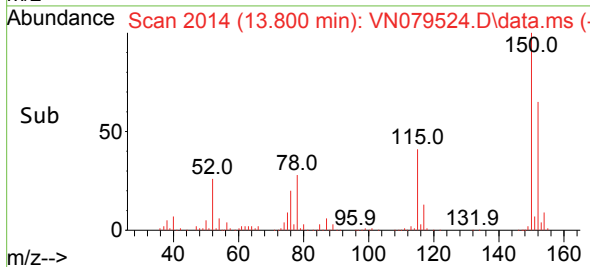
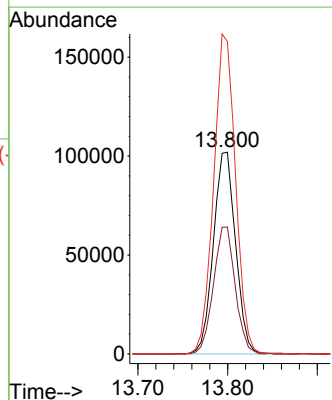
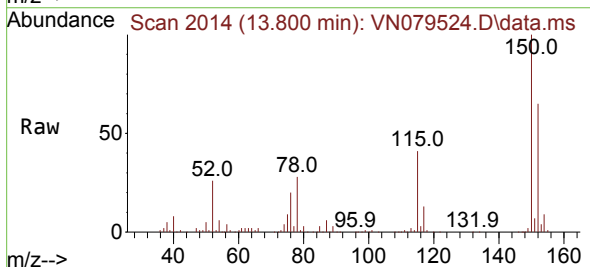
Tgt Ion:152 Resp: 175203

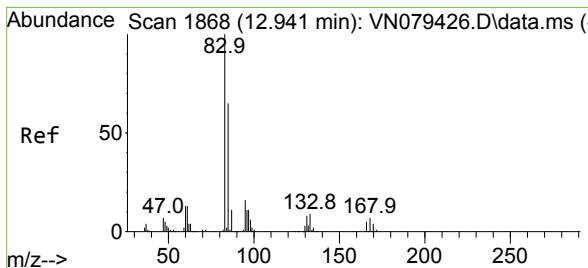
Ion Ratio Lower Upper

152 100

115 61.7 32.3 96.8

150 156.5 0.0 355.8

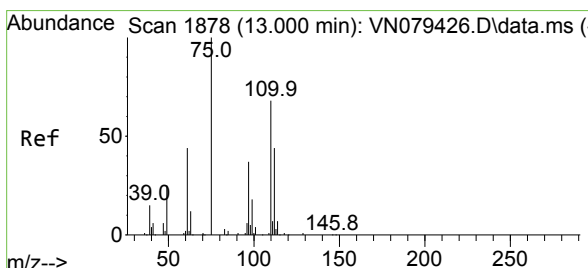
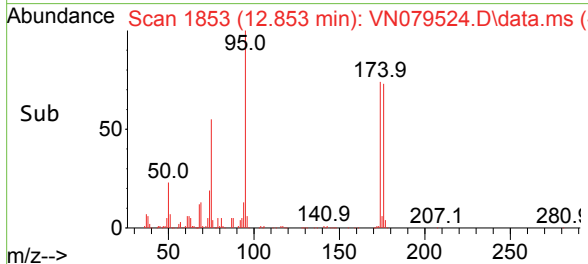
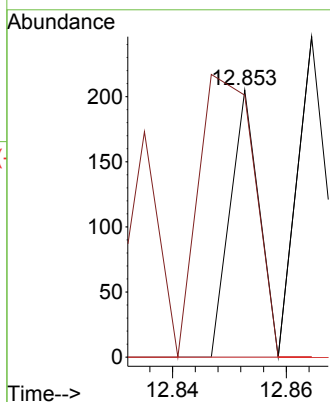
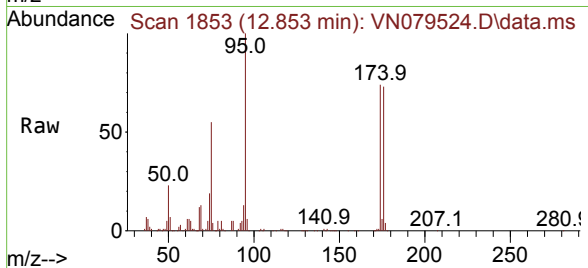




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.853 min Scan# 1853
Delta R.T. -0.088 min
Lab File: VN079524.D
Acq: 11 Oct 2023 18:00

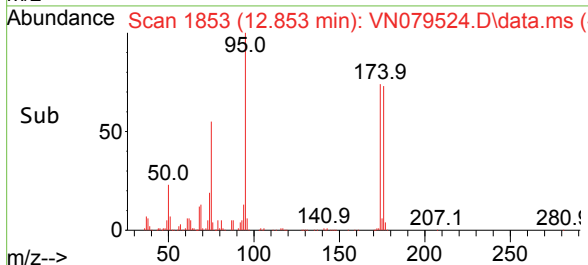
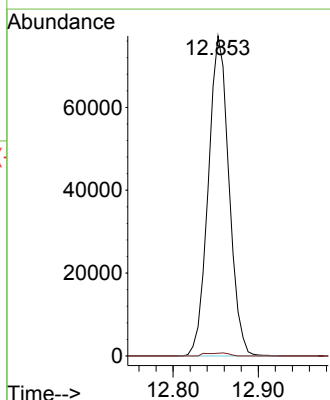
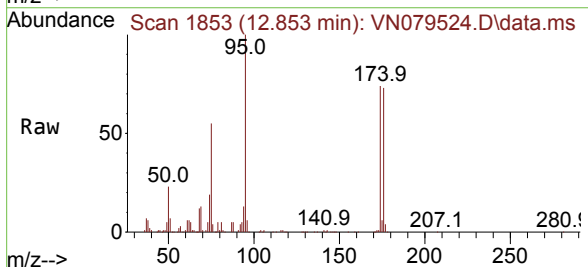
Instrument :
MSVOA_N
ClientSampleId :

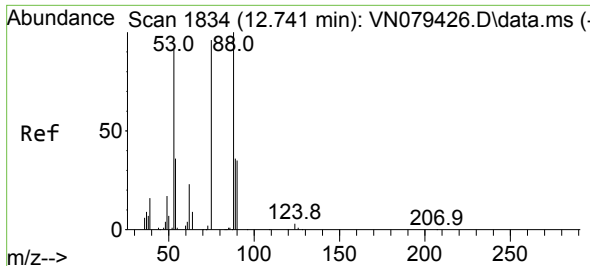
Tgt Ion: 83 Resp: 72
Ion Ratio Lower Upper
83 100
131 290.3 5.0 15.0#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 25.798 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079524.D
Acq: 11 Oct 2023 18:00

Tgt Ion: 75 Resp: 130322
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#

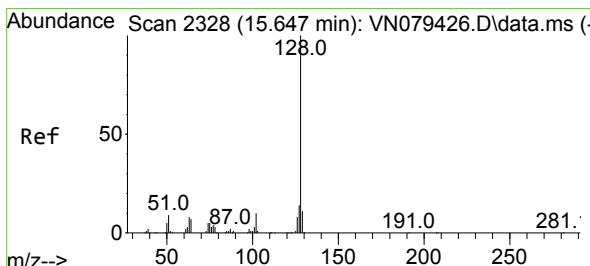
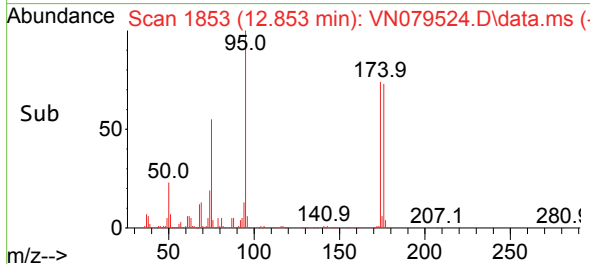
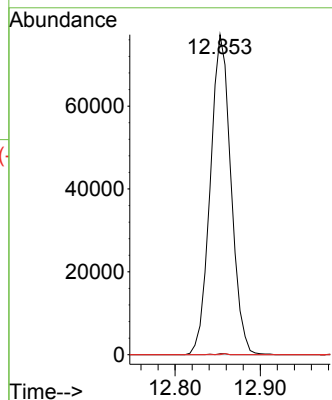
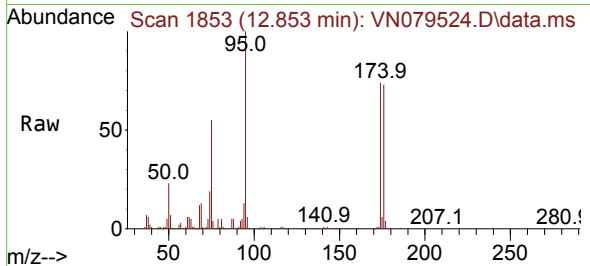




#81
trans-1,4-Dichloro-2-butene
Concen: 74.855 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079524.D
Acq: 11 Oct 2023 18:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 130322
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.1 38.8 58.2#



#95
Naphthalene
Concen: 1.040 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN079524.D
Acq: 11 Oct 2023 18:00

Tgt Ion:128 Resp: 6084
Ion Ratio Lower Upper
128 100
127 13.5 10.0 15.0
129 12.7 8.7 13.1

