

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101023\
 Data File : VN079504.D
 Acq On : 10 Oct 2023 19:37
 Operator : JC\MD
 Sample : 04819-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 11 06:24:01 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)

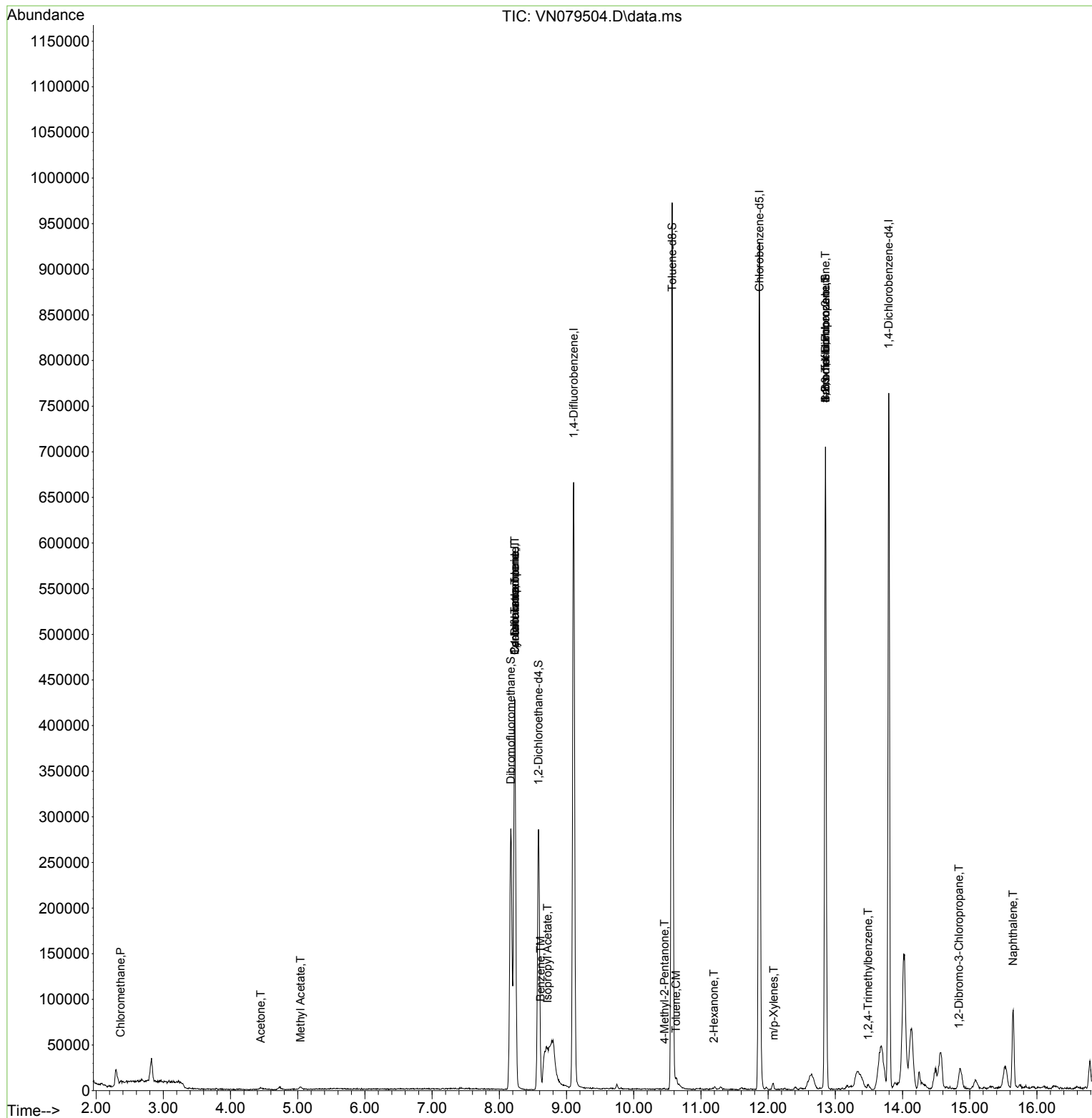
Internal Standards						
1) Pentafluorobenzene	8.230	168	302452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	579048	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	534690	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	197986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	224614	45.802	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.600%		
35) Dibromofluoromethane	8.171	113	209157	50.263	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.520%		
50) Toluene-d8	10.571	98	667129	44.308	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.620%		
62) 4-Bromofluorobenzene	12.853	95	238103	49.277	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.560%		
Target Compounds						Qvalue
3) Chloromethane	2.366	50	1754	0.324	ug/l	90
16) Acetone	4.448	43	2422	1.245	ug/l #	78
18) Methyl Acetate	5.042	43	6186	0.650	ug/l #	67
20) Methylene Chloride	5.283	84	62	Below Cal	#	13
31) Cyclohexane	8.230	56	8019	1.153	ug/l #	40
36) 1,1-Dichloropropene	8.230	75	27525	4.407	ug/l #	46
38) Carbon Tetrachloride	8.230	117	32694	5.229	ug/l #	15
40) Benzene	8.612	78	3803	0.205	ug/l	93
43) Isopropyl Acetate	8.718	43	72120	6.624	ug/l #	50
51) 4-Methyl-2-Pentanone	10.459	43	2168	0.353	ug/l #	60
52) Toluene	10.630	92	3690	0.338	ug/l	99
59) 2-Hexanone	11.194	43	1376	0.310	ug/l #	19
68) m/p-Xylenes	12.083	106	2196	0.292	ug/l	96
71) Bromoform	12.853	173	1827	0.573	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.853	83	253	Below Cal	#	7
76) 1,2,3-Trichloropropane	12.853	75	130607	22.879	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	130607	66.386	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.488	105	3988	0.288	ug/l	75
90) Hexachloroethane	14.282	117	74	Below Cal	#	21
92) 1,2-Dibromo-3-Chloropr...	14.841	75	330	0.310	ug/l #	1
95) Naphthalene	15.647	128	81360	12.312	ug/l	100

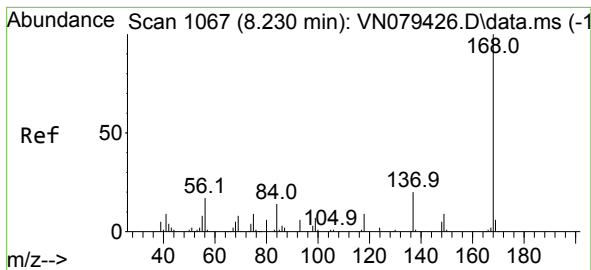
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079504.D

Acq: 10 Oct 2023 19:37

Instrument :

MSVOA_N

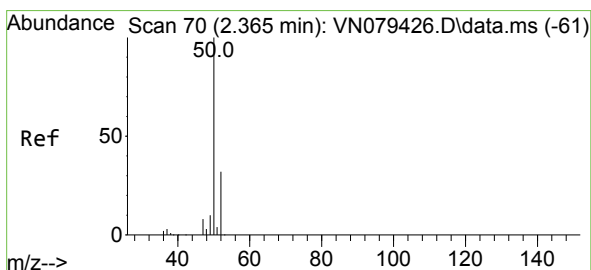
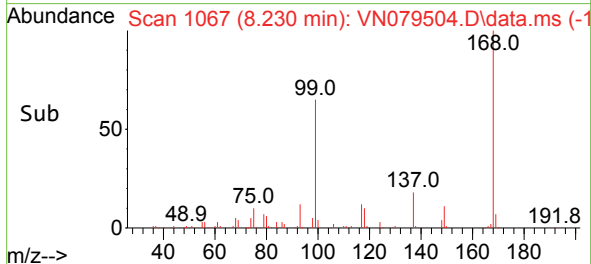
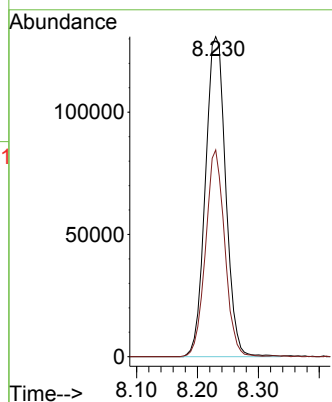
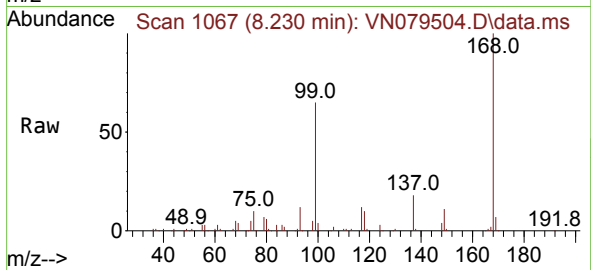
ClientSampleId :

Tgt Ion:168 Resp: 302452

Ion Ratio Lower Upper

168 100

99 64.6 53.0 79.6



#3

Chloromethane

Concen: 0.324 ug/l

RT: 2.366 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN079504.D

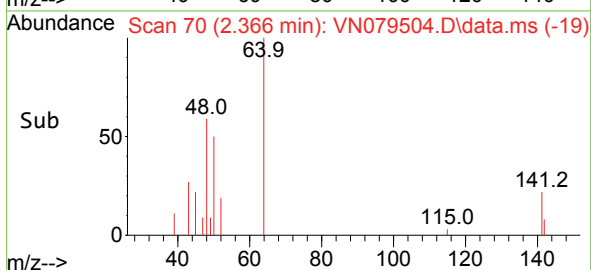
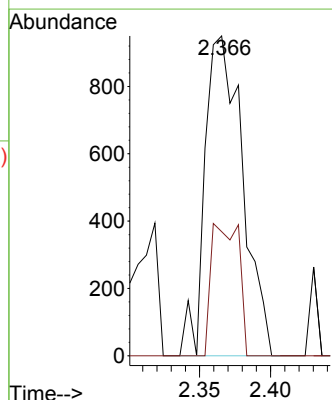
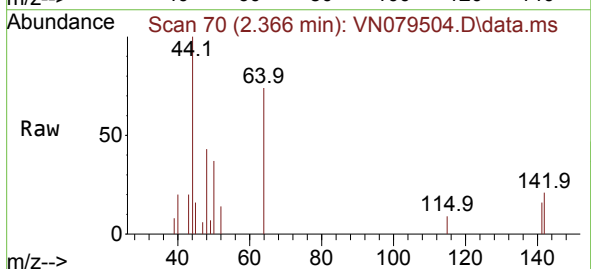
Acq: 10 Oct 2023 19:37

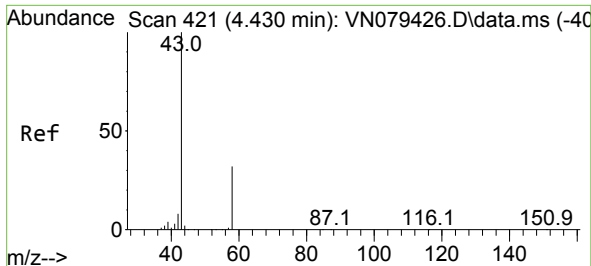
Tgt Ion: 50 Resp: 1754

Ion Ratio Lower Upper

50 100

52 38.8 26.5 39.7

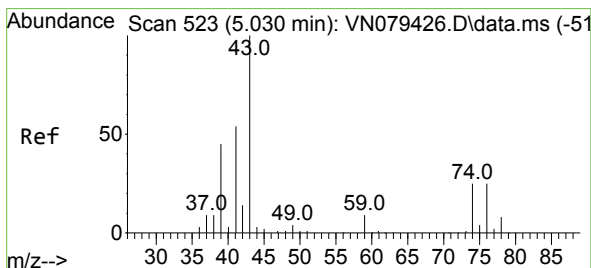
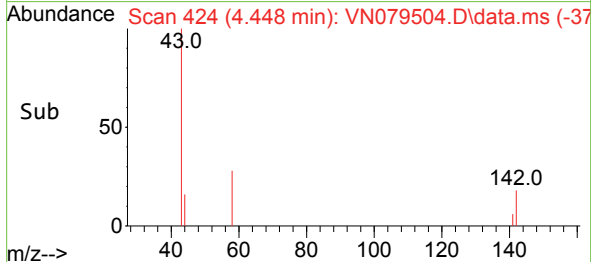
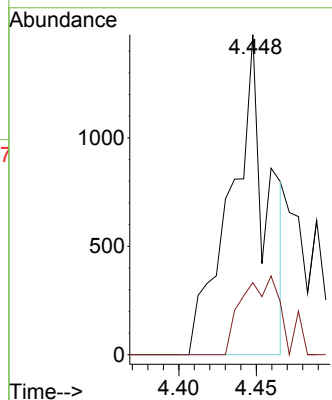
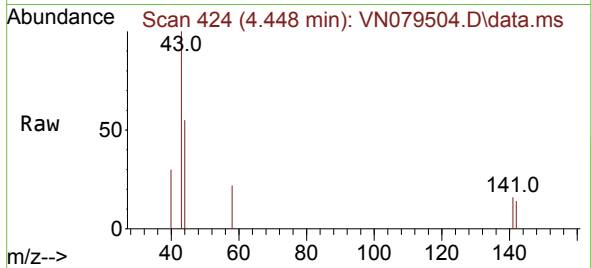




#16
Acetone
Concen: 1.245 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN079504.D
Acq: 10 Oct 2023 19:37

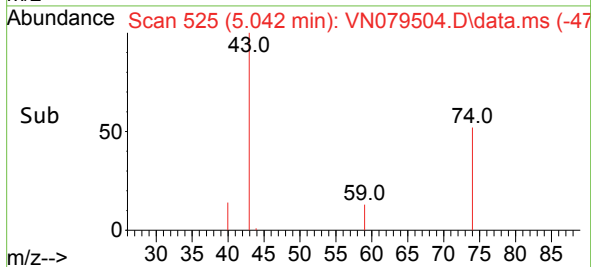
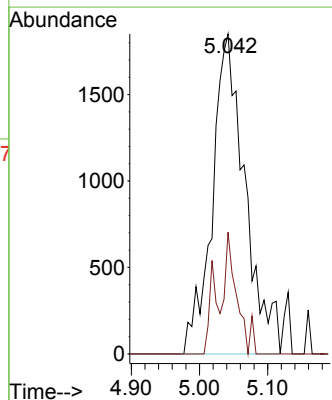
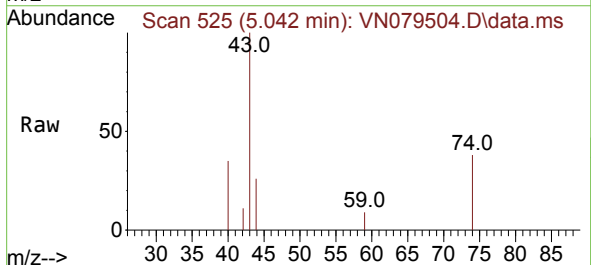
Instrument :
MSVOA_N
ClientSampleId :

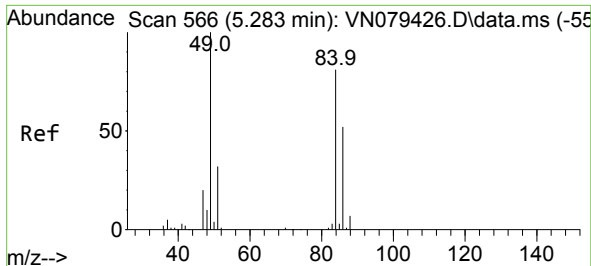
Tgt Ion: 43 Resp: 2422
Ion Ratio Lower Upper
43 100
58 22.5 28.0 42.0#



#18
Methyl Acetate
Concen: 0.650 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.012 min
Lab File: VN079504.D
Acq: 10 Oct 2023 19:37

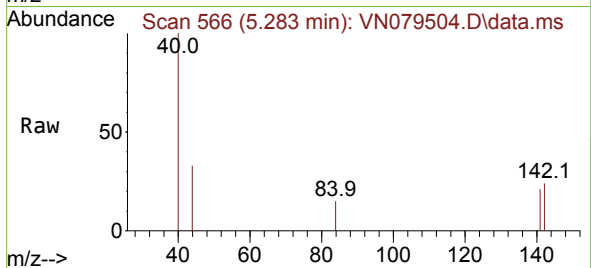
Tgt Ion: 43 Resp: 6186
Ion Ratio Lower Upper
43 100
74 14.2 26.2 39.4#



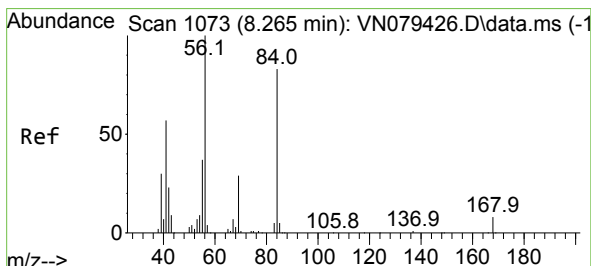
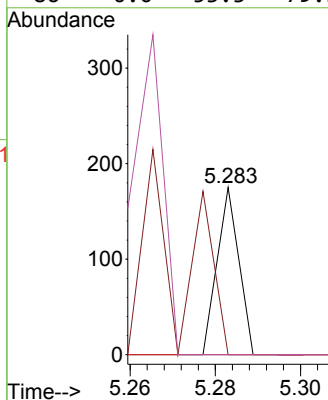
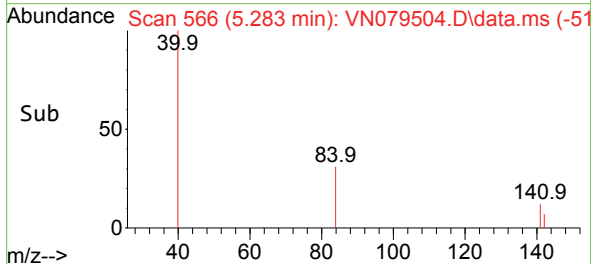


#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079504.D
Acq: 10 Oct 2023 19:37

Instrument :
MSVOA_N
ClientSampleId :

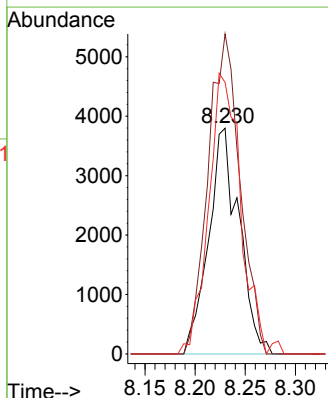
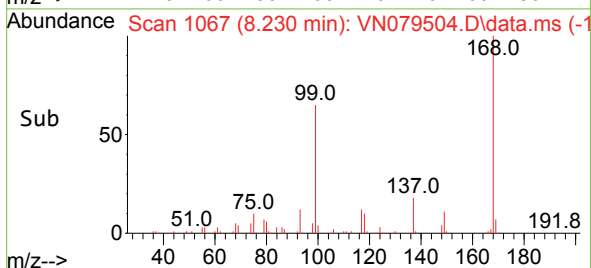
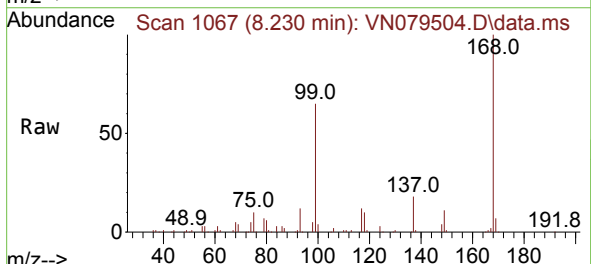


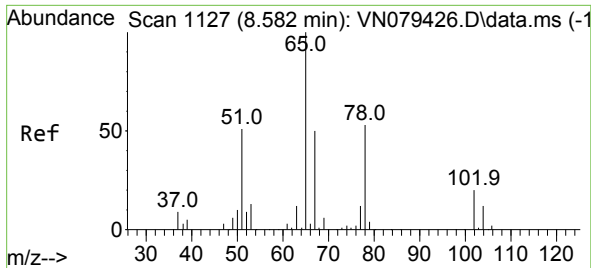
Tgt Ion:	84	Resp:	62
Ion	Ratio	Lower	Upper
84	100		
49	0.0	79.7	119.5#
51	0.0	25.2	37.8#
86	0.0	53.3	79.9#



#31
Cyclohexane
Concen: 1.153 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079504.D
Acq: 10 Oct 2023 19:37

Tgt Ion:	56	Resp:	8019
Ion	Ratio	Lower	Upper
56	100		
69	141.7	26.8	40.2#
84	120.2	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 45.802 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079504.D

Acq: 10 Oct 2023 19:37

Instrument :

MSVOA_N

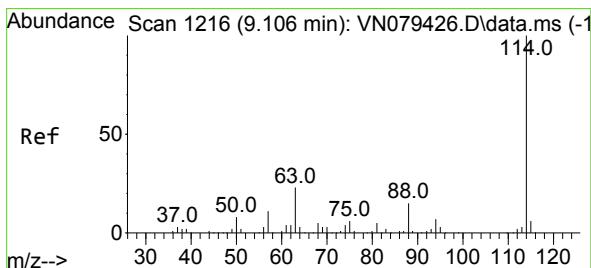
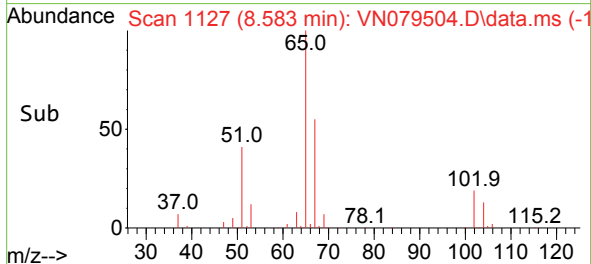
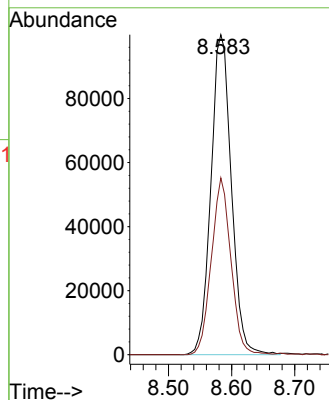
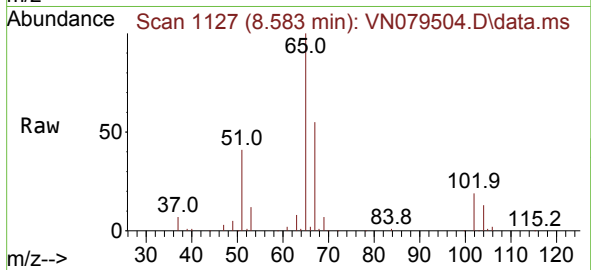
ClientSampleId :

Tgt Ion: 65 Resp: 224614

Ion Ratio Lower Upper

65 100

67 52.8 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: VN079504.D

Acq: 10 Oct 2023 19:37

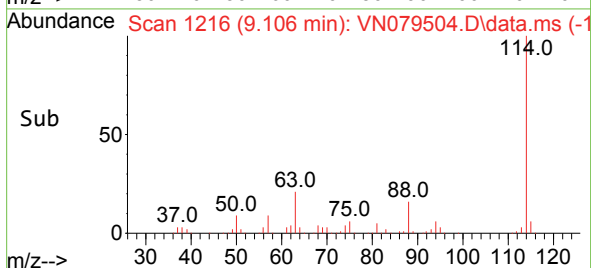
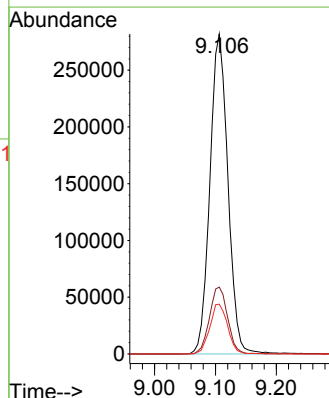
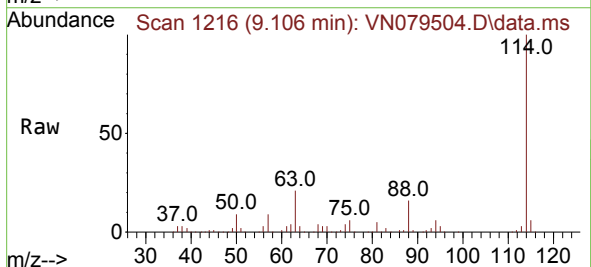
Tgt Ion: 114 Resp: 579048

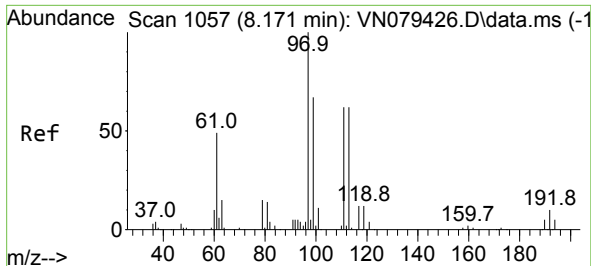
Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.4

88 15.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.263 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

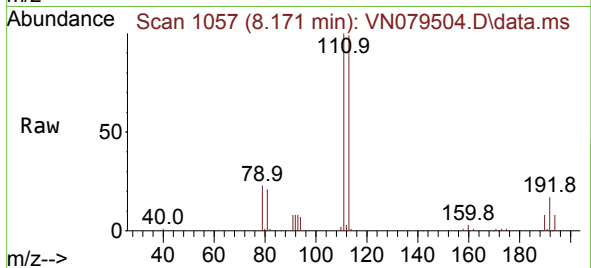
Lab File: VN079504.D

Acq: 10 Oct 2023 19:37

Instrument :

MSVOA_N

ClientSampleId :



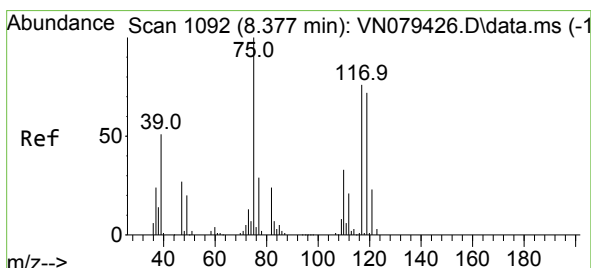
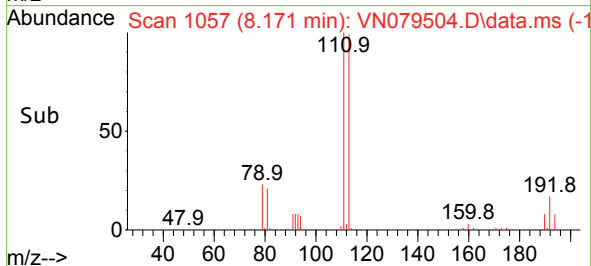
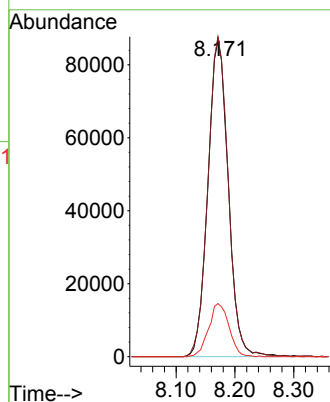
Tgt Ion:113 Resp: 209157

Ion Ratio Lower Upper

113 100

111 100.6 82.6 123.8

192 16.8 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.407 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079504.D

Acq: 10 Oct 2023 19:37

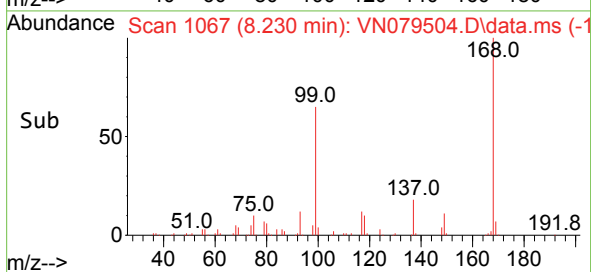
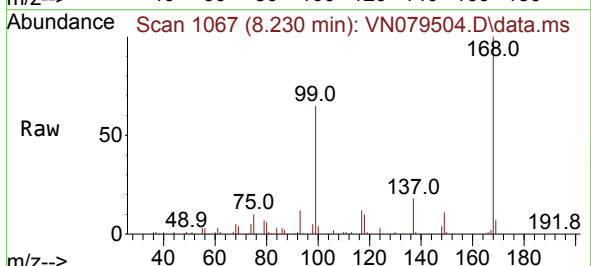
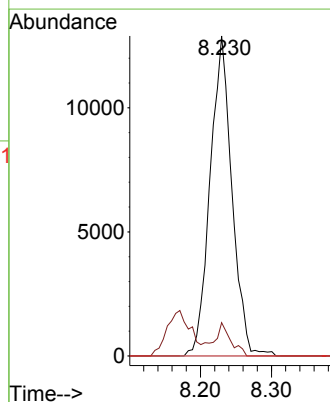
Tgt Ion: 75 Resp: 27525

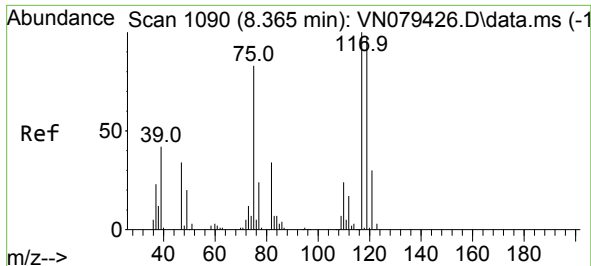
Ion Ratio Lower Upper

75 100

110 6.8 19.1 57.3#

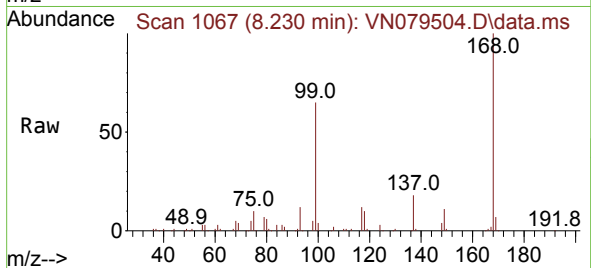
77 0.0 25.0 37.4#



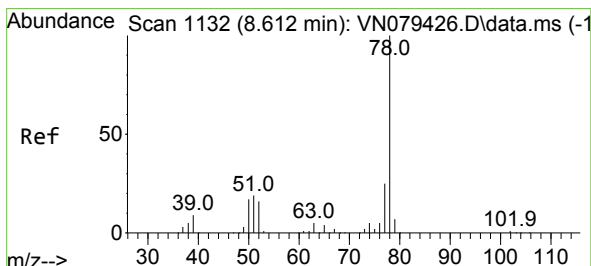
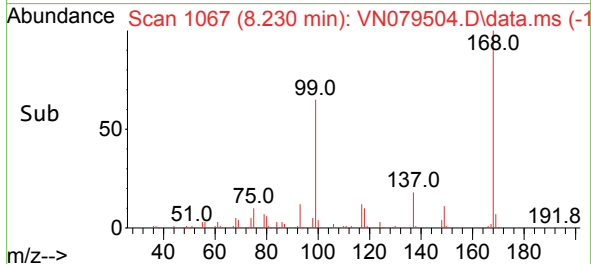
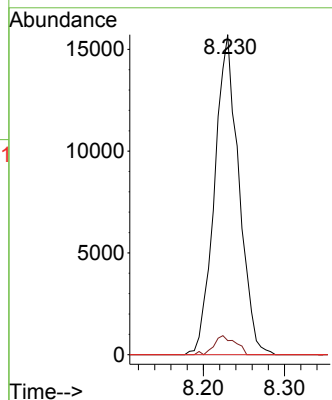


#38
Carbon Tetrachloride
Concen: 5.229 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN079504.D
Acq: 10 Oct 2023 19:37

Instrument :
MSVOA_N
ClientSampleId :

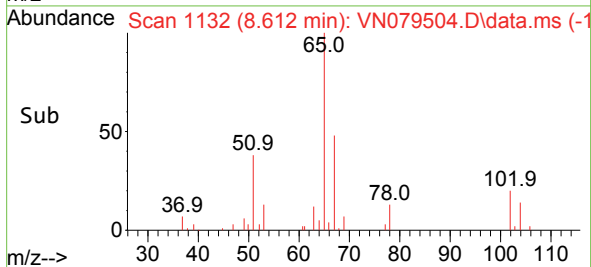
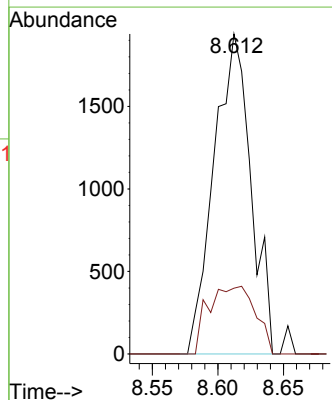
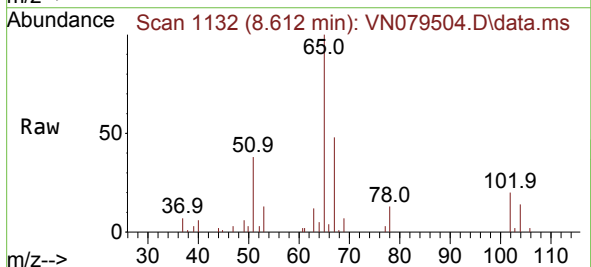


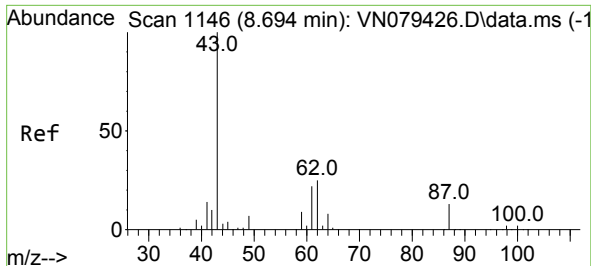
Tgt Ion:117 Resp: 32694
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 23.3 34.9#



#40
Benzene
Concen: 0.205 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN079504.D
Acq: 10 Oct 2023 19:37

Tgt Ion: 78 Resp: 3803
Ion Ratio Lower Upper
78 100
77 20.6 19.0 28.6

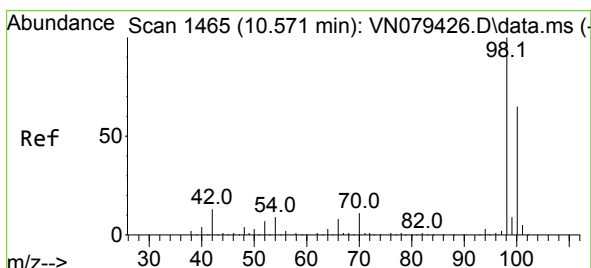
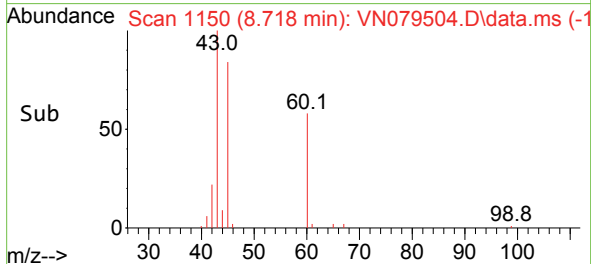
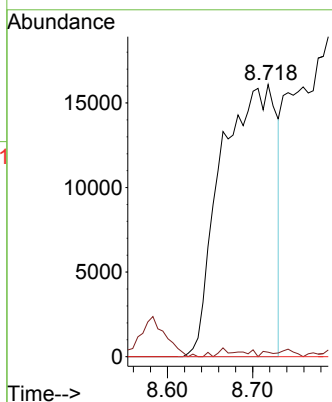
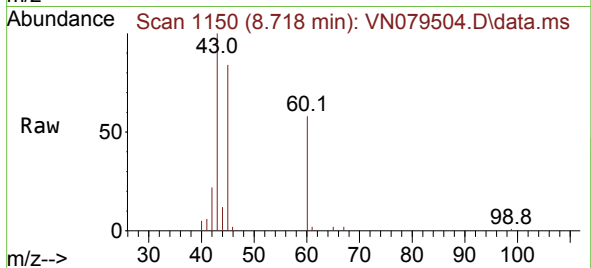




#43
Isopropyl Acetate
Concen: 6.624 ug/l
RT: 8.718 min Scan# 1146
Delta R.T. 0.024 min
Lab File: VN079504.D
Acq: 10 Oct 2023 19:37

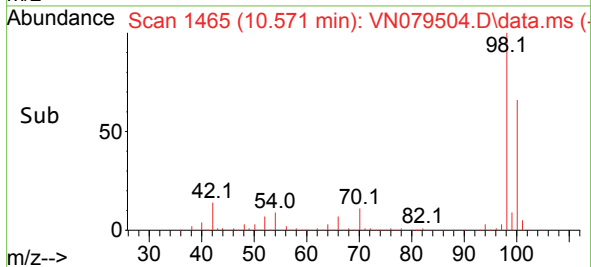
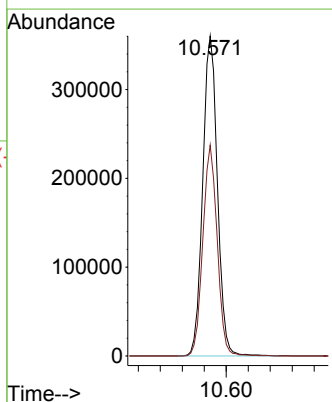
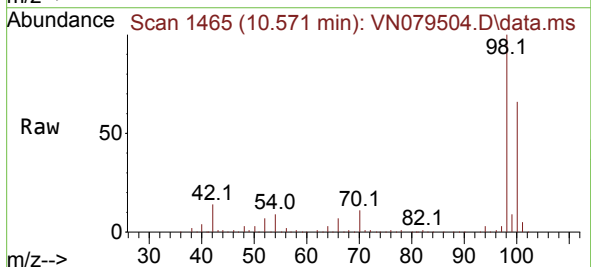
Instrument :
MSVOA_N
ClientSampleId :

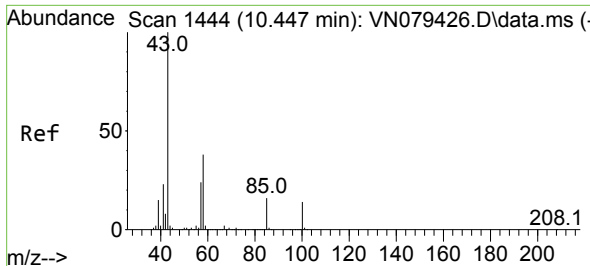
Tgt Ion: 43 Resp: 72120
Ion Ratio Lower Upper
43 100
61 0.4 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 44.308 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079504.D
Acq: 10 Oct 2023 19:37

Tgt Ion: 98 Resp: 667129
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.353 ug/l

RT: 10.459 min Scan# 1446

Delta R.T. 0.012 min

Lab File: VN079504.D

Acq: 10 Oct 2023 19:37

Instrument :

MSVOA_N

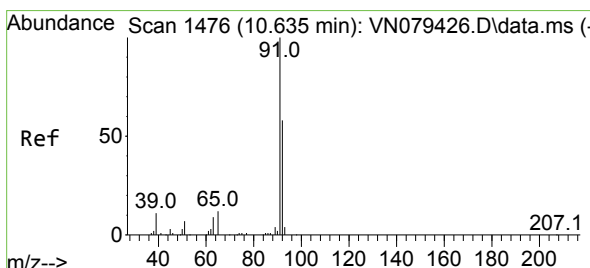
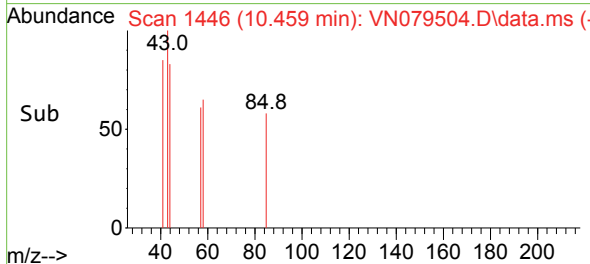
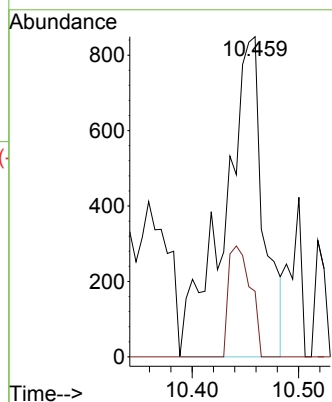
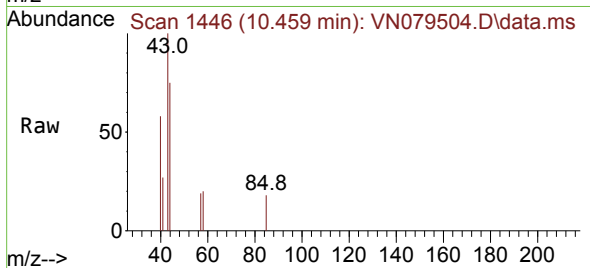
ClientSampleId :

Tgt Ion: 43 Resp: 2168

Ion Ratio Lower Upper

43 100

58 19.5 36.6 54.8#



#52

Toluene

Concen: 0.338 ug/l

RT: 10.630 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VN079504.D

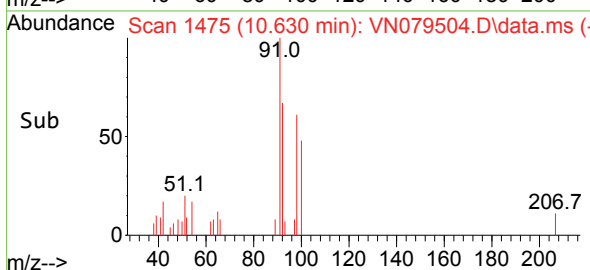
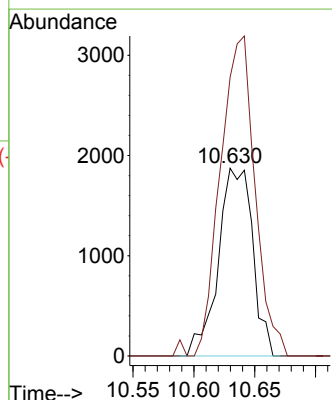
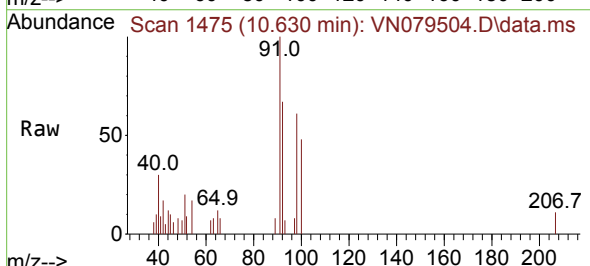
Acq: 10 Oct 2023 19:37

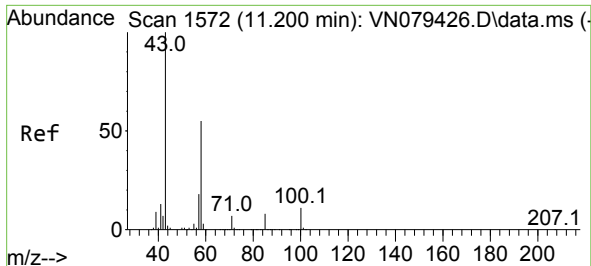
Tgt Ion: 92 Resp: 3690

Ion Ratio Lower Upper

92 100

91 170.8 137.4 206.0

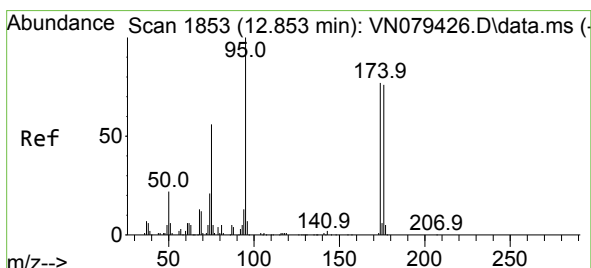
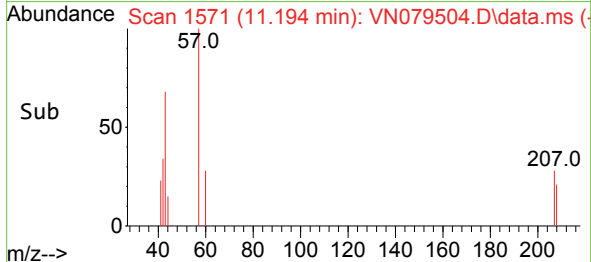
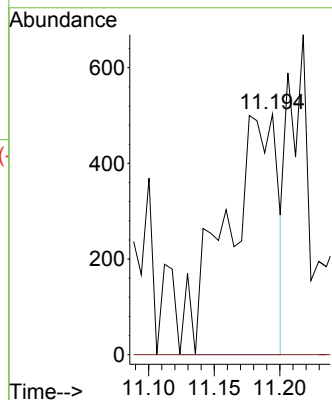
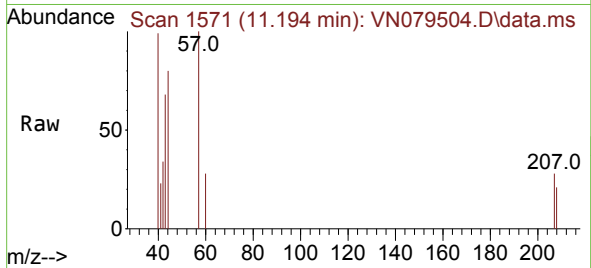




#59
2-Hexanone
Concen: 0.310 ug/l
RT: 11.194 min Scan# 111
Delta R.T. -0.006 min
Lab File: VN079504.D
Acq: 10 Oct 2023 19:37

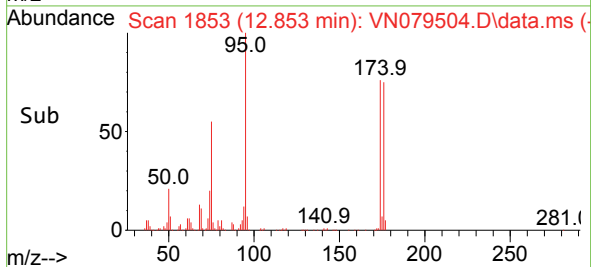
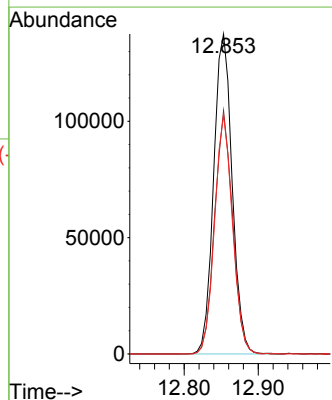
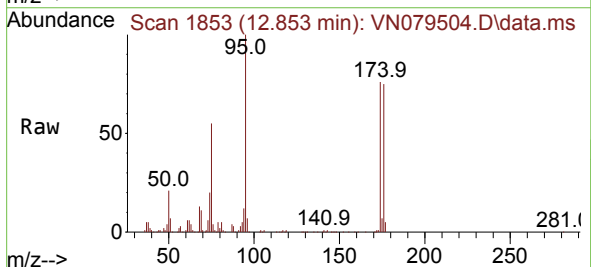
Instrument :
MSVOA_N
ClientSampleId :

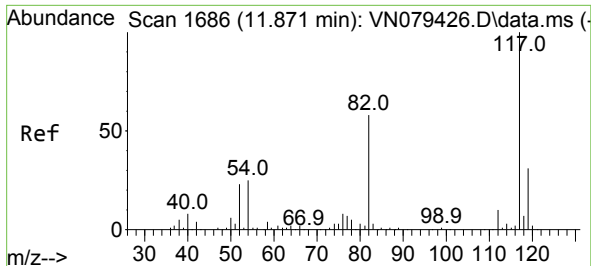
Tgt Ion: 43 Resp: 1376
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 49.277 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079504.D
Acq: 10 Oct 2023 19:37

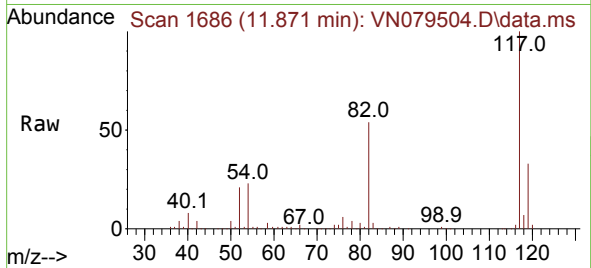
Tgt Ion: 95 Resp: 238103
Ion Ratio Lower Upper
95 100
174 74.1 0.0 143.8
176 72.5 0.0 135.8



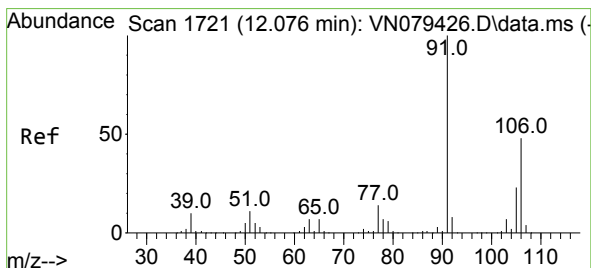
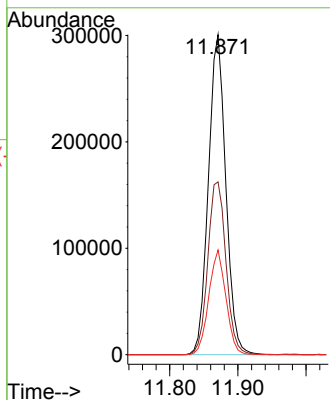
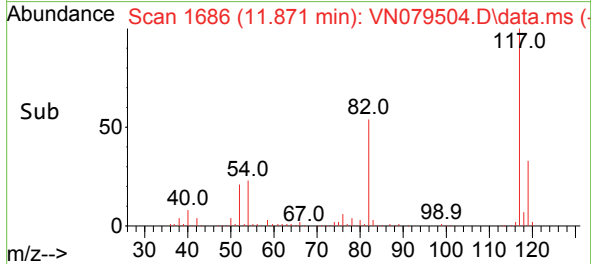


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN079504.D
Acq: 10 Oct 2023 19:37

Instrument :
MSVOA_N
ClientSampleId :

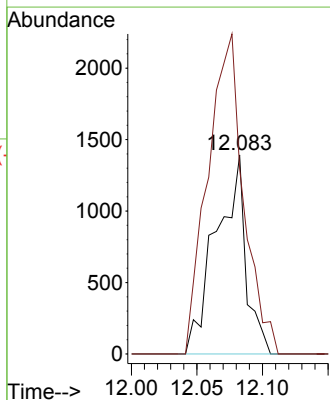
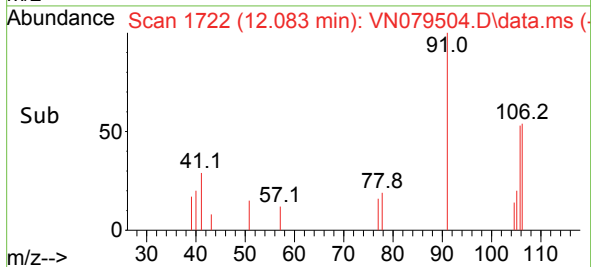
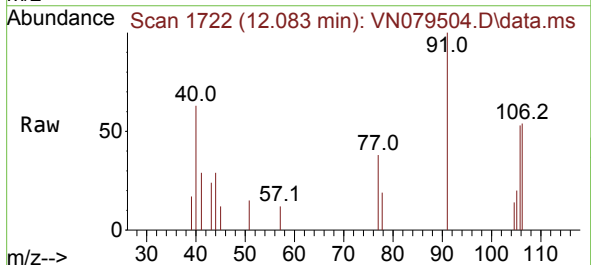


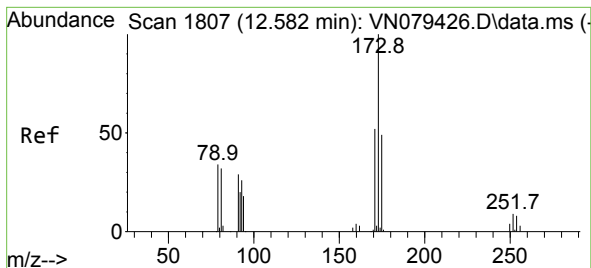
Tgt Ion:117 Resp: 534690
Ion Ratio Lower Upper
117 100
82 54.0 44.0 66.0
119 32.7 25.6 38.4



#68
m/p-Xylenes
Concen: 0.292 ug/l
RT: 12.083 min Scan# 1722
Delta R.T. 0.007 min
Lab File: VN079504.D
Acq: 10 Oct 2023 19:37

Tgt Ion:106 Resp: 2196
Ion Ratio Lower Upper
106 100
91 193.5 159.6 239.4





#71

Bromoform

Concen: 0.573 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN079504.D

Acq: 10 Oct 2023 19:37

Instrument :

MSVOA_N

ClientSampleId :

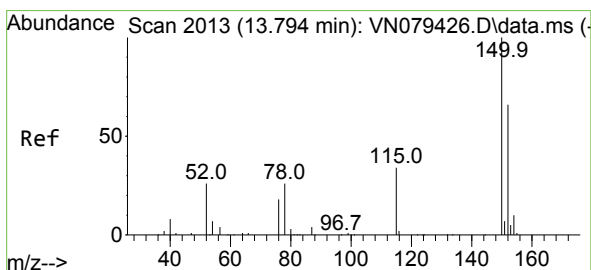
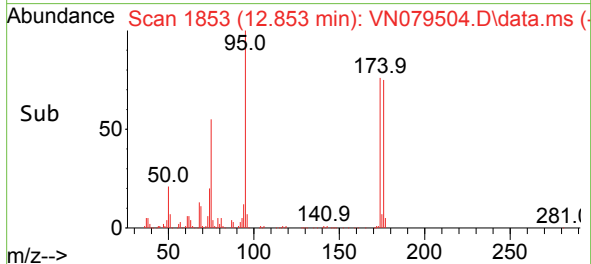
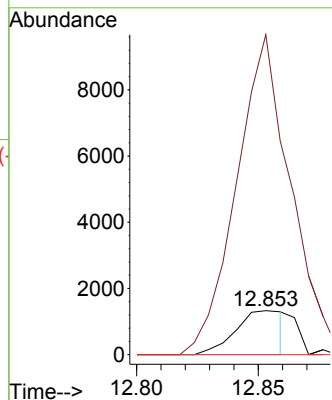
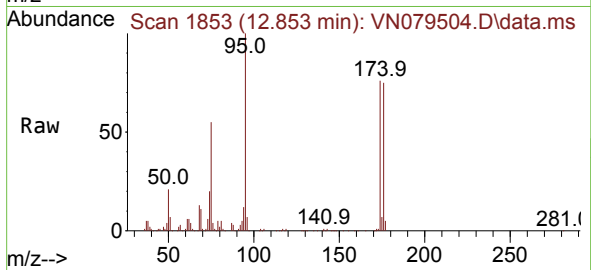
Tgt Ion:173 Resp: 1827

Ion Ratio Lower Upper

173 100

175 652.1 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079504.D

Acq: 10 Oct 2023 19:37

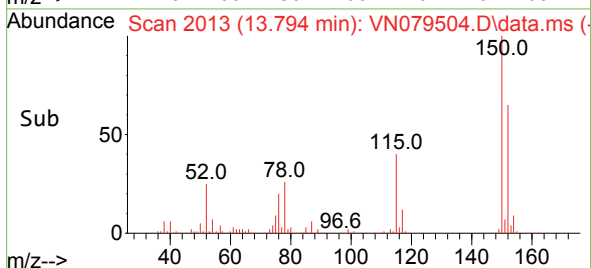
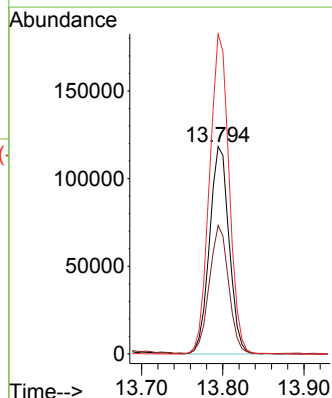
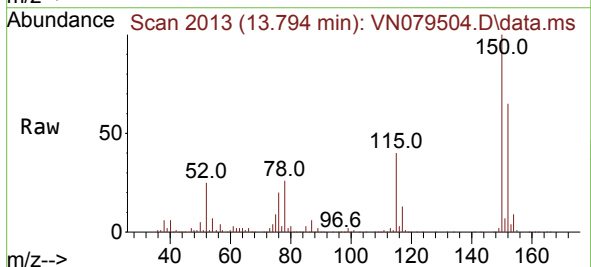
Tgt Ion:152 Resp: 197986

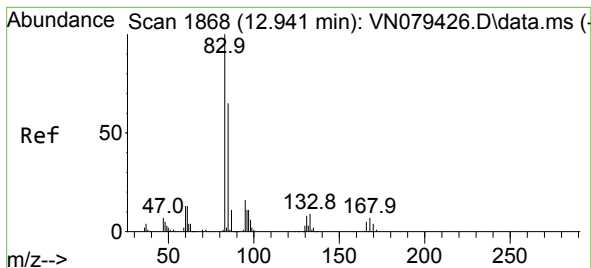
Ion Ratio Lower Upper

152 100

115 61.3 32.3 96.8

150 154.1 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: VN079504.D

Acq: 10 Oct 2023 19:37

Instrument :

MSVOA_N

ClientSampleId :

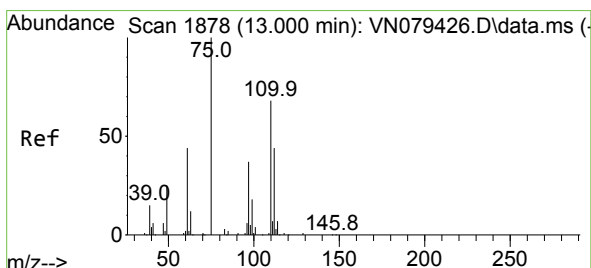
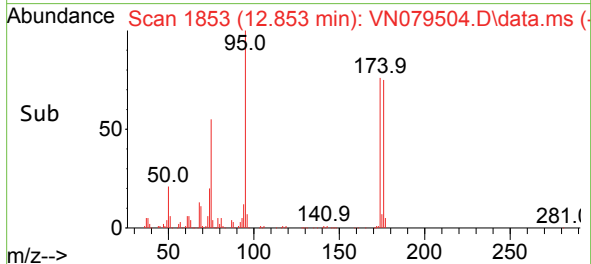
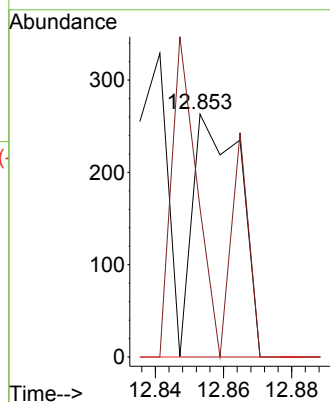
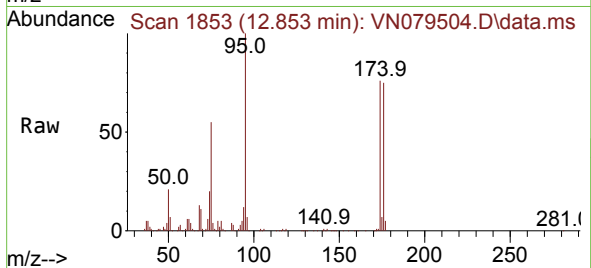
Tgt Ion: 83 Resp: 253

Ion Ratio Lower Upper

83 100

131 70.8 5.0 15.0#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 22.879 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079504.D

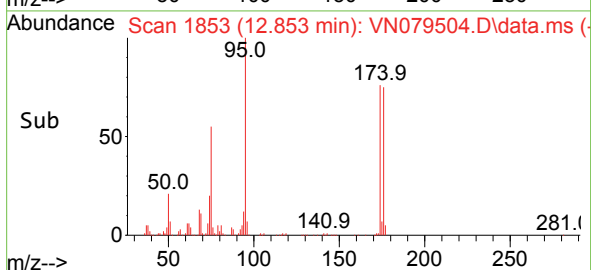
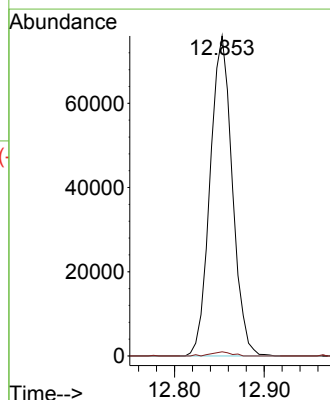
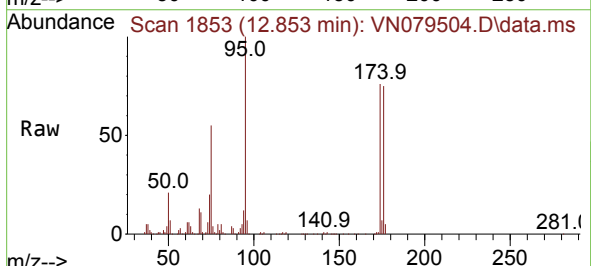
Acq: 10 Oct 2023 19:37

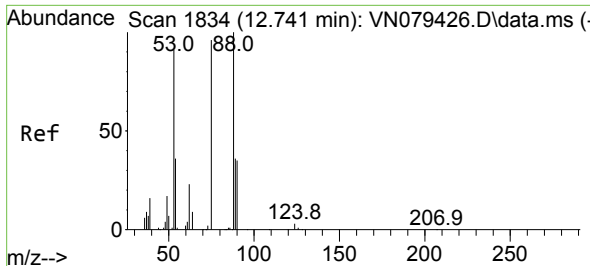
Tgt Ion: 75 Resp: 130607

Ion Ratio Lower Upper

75 100

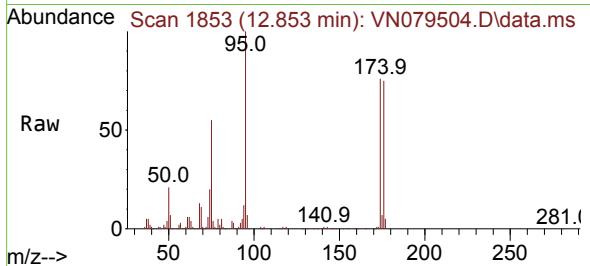
77 1.2 84.5 253.5#



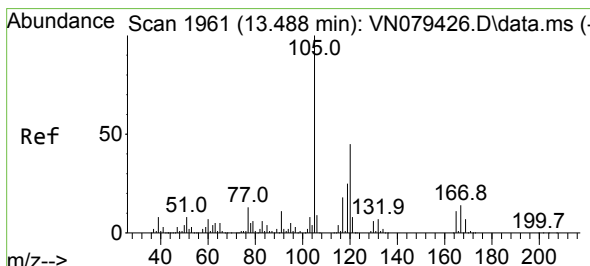
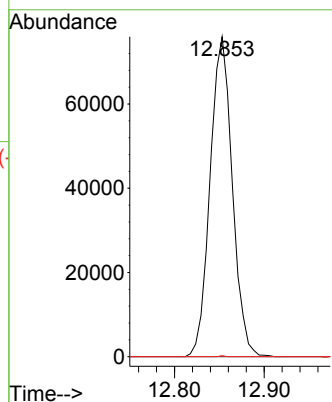
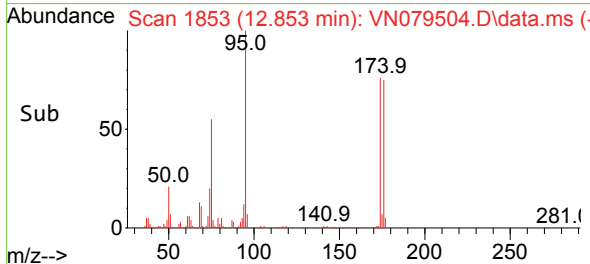


#81
trans-1,4-Dichloro-2-butene
Concen: 66.386 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079504.D
Acq: 10 Oct 2023 19:37

Instrument :
MSVOA_N
ClientSampleId :

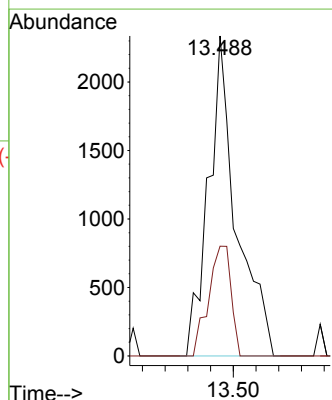
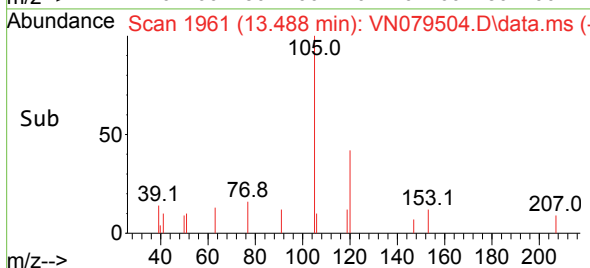
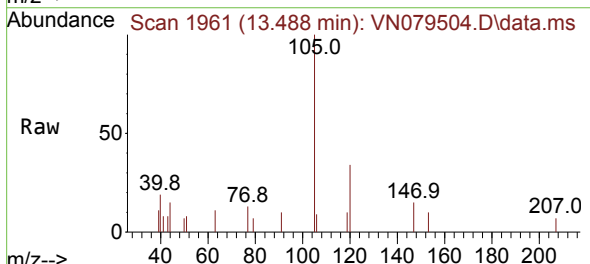


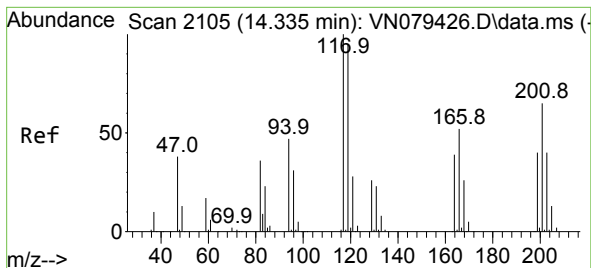
Tgt Ion: 75 Resp: 130607
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#



#84
1,2,4-Trimethylbenzene
Concen: 0.288 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN079504.D
Acq: 10 Oct 2023 19:37

Tgt Ion: 105 Resp: 3988
Ion Ratio Lower Upper
105 100
120 27.7 22.0 66.0





#90

Hexachloroethane

Concen: Below Cal

RT: 14.282 min Scan# 2096

Delta R.T. -0.053 min

Lab File: VN079504.D

Acq: 10 Oct 2023 19:37

Instrument :

MSVOA_N

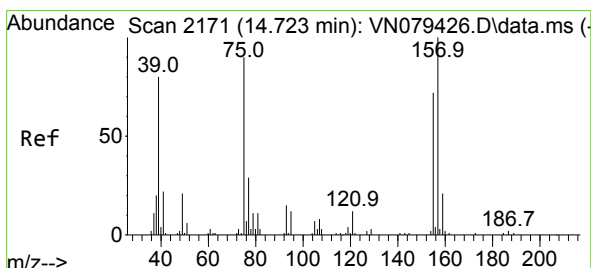
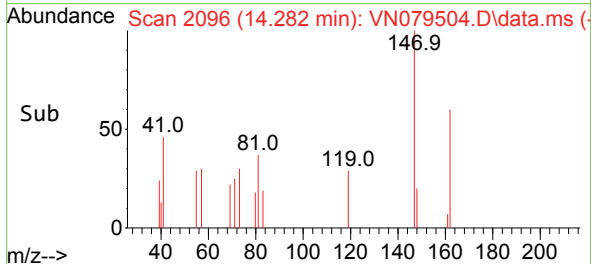
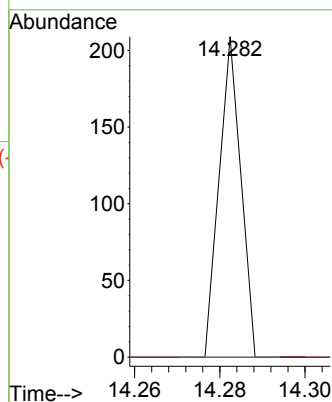
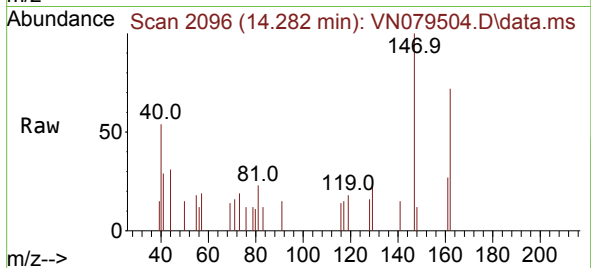
ClientSampleId :

Tgt Ion:117 Resp: 74

Ion Ratio Lower Upper

117 100

201 0.0 29.3 88.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.310 ug/l

RT: 14.841 min Scan# 2191

Delta R.T. 0.118 min

Lab File: VN079504.D

Acq: 10 Oct 2023 19:37

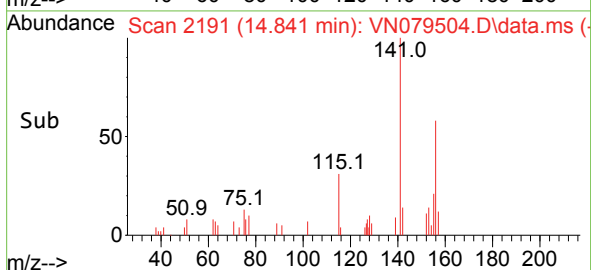
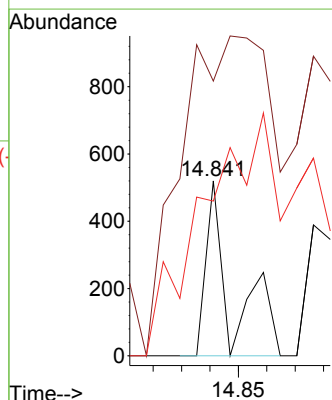
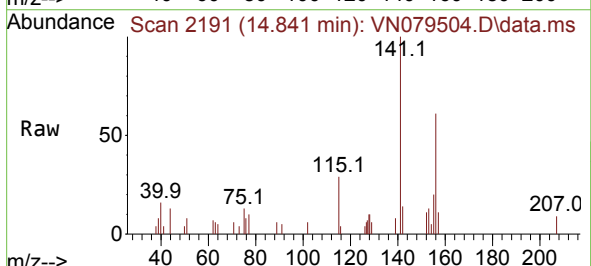
Tgt Ion: 75 Resp: 330

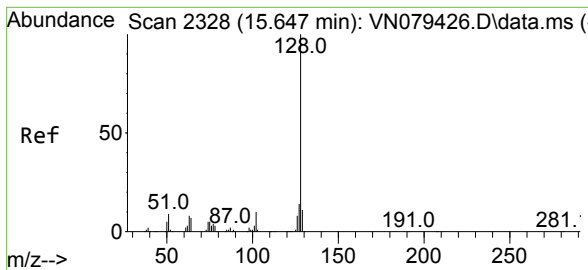
Ion Ratio Lower Upper

75 100

155 671.8 39.1 117.2#

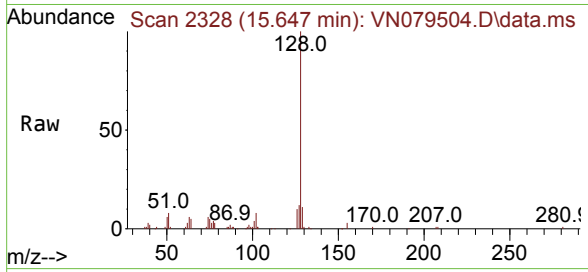
157 0.0 50.3 150.9#





#95
Naphthalene
Concen: 12.312 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN079504.D
Acq: 10 Oct 2023 19:37

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	81360
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.0	15.0
129	10.8	8.7	13.1

