

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091123\
 Data File : VN079226.D
 Acq On : 11 Sep 2023 19:05
 Operator : JC\MD
 Sample : 04299-05ME
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 12 05:22:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

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

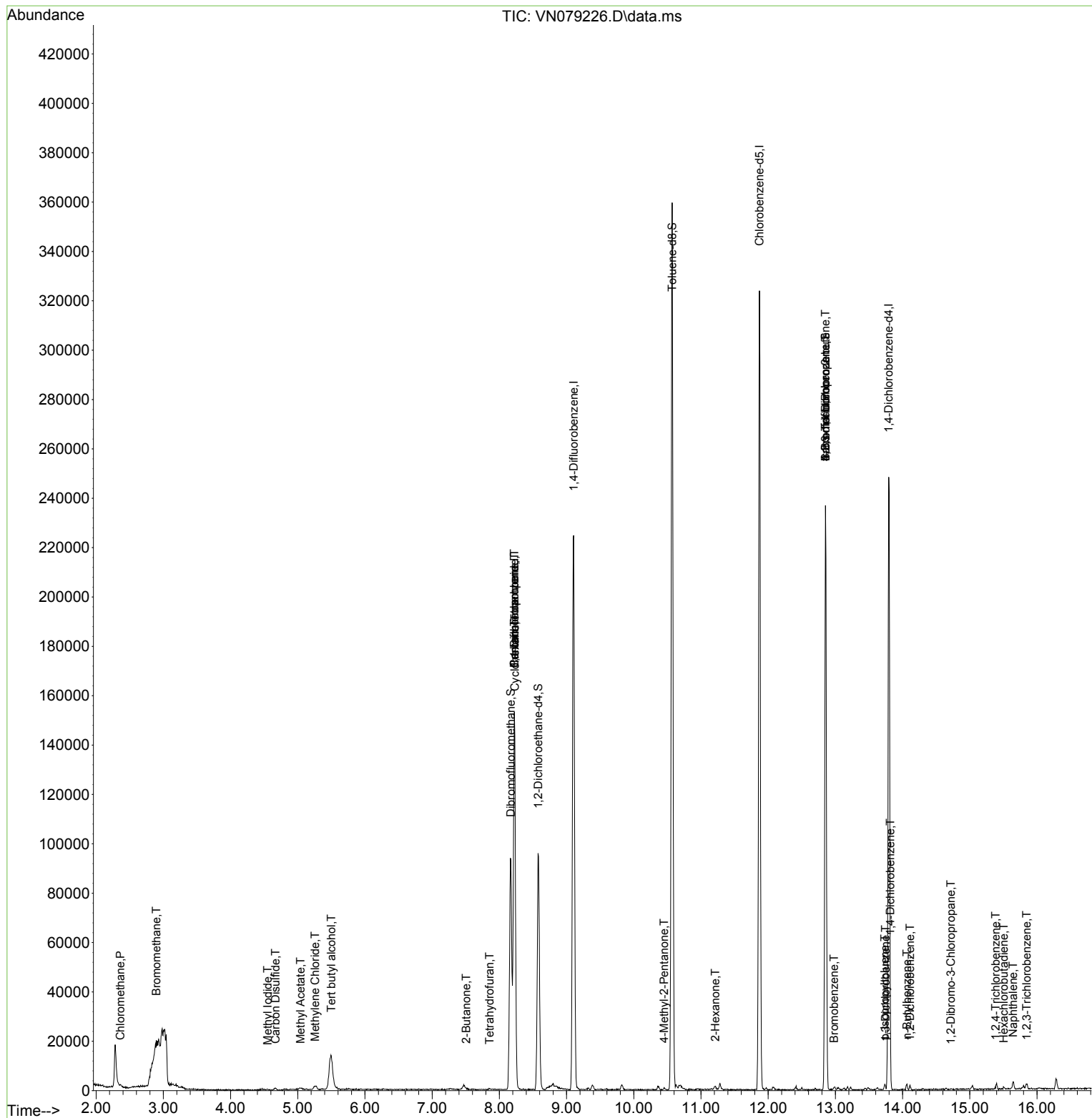
Internal Standards						
1) Pentafluorobenzene	8.224	168	114090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	203898	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	195168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	69379	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	77547	50.352	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.700%	
35) Dibromofluoromethane	8.171	113	68949	50.836	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.680%	
50) Toluene-d8	10.571	98	250973	50.395	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.800%	
62) 4-Bromofluorobenzene	12.853	95	85152	53.604	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.200%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	441	0.298	ug/l #	42
5) Bromomethane	2.895	94	653	0.704	ug/l #	77
6) Chloroethane	3.189	64	271	Below Cal	#	43
10) Methyl Iodide	4.553	142	546	0.531	ug/l #	38
11) Tert butyl alcohol	5.500	59	14318	50.356	ug/l #	72
17) Carbon Disulfide	4.671	76	1639	0.431	ug/l #	75
18) Methyl Acetate	5.042	43	1405	0.523	ug/l #	50
20) Methylene Chloride	5.259	84	1415	0.889	ug/l #	69
25) 2-Butanone	7.506	43	432	0.455	ug/l #	37
29) Tetrahydrofuran	7.853	42	314	0.520	ug/l #	20
31) Cyclohexane	8.230	56	2312	1.028	ug/l #	2
36) 1,1-Dichloropropene	8.224	75	8826	4.222	ug/l #	47
38) Carbon Tetrachloride	8.224	117	11319	5.232	ug/l #	14
51) 4-Methyl-2-Pentanone	10.453	43	708	0.358	ug/l #	45
59) 2-Hexanone	11.212	43	1241	0.868	ug/l	78
71) Bromoform	12.853	173	529	0.432	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	41744	22.325	ug/l #	1
77) Bromobenzene	12.982	156	326	0.204	ug/l	83
81) trans-1,4-Dichloro-2-b...	12.853	75	41744	61.375	ug/l #	15
86) p-Isopropyltoluene	13.735	119	993	0.207	ug/l #	64
87) 1,3-Dichlorobenzene	13.747	146	913	0.348	ug/l #	79
88) 1,4-Dichlorobenzene	13.818	146	1264	0.477	ug/l #	42
89) n-Butylbenzene	14.065	91	1695	0.450	ug/l	92
91) 1,2-Dichlorobenzene	14.112	146	762	0.294	ug/l	88
92) 1,2-Dibromo-3-Chloropr...	14.717	75	112	0.313	ug/l #	4
93) 1,2,4-Trichlorobenzene	15.388	180	1025	1.102	ug/l	90
94) Hexachlorobutadiene	15.506	225	338	0.462	ug/l #	68
95) Naphthalene	15.647	128	3776	1.367	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.847	180	1342	1.223	ug/l #	76

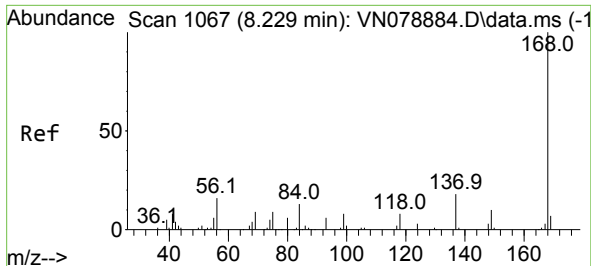
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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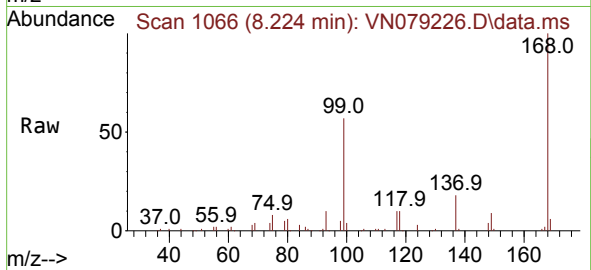
Quant Time: Sep 12 05:22:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 05:05:24 2023
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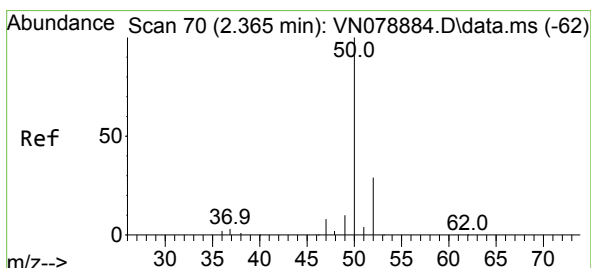
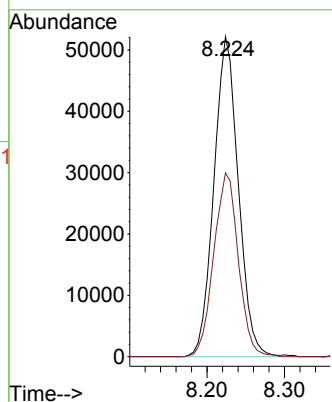
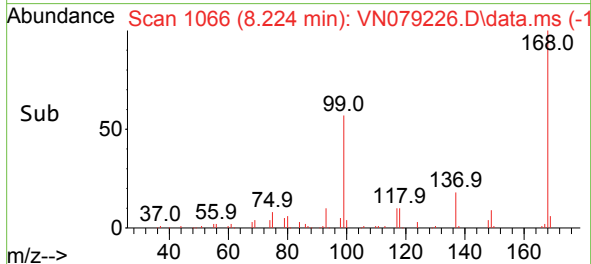


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN079226.D
Acq: 11 Sep 2023 19:05

Instrument :
MSVOA_N
ClientSampleId :

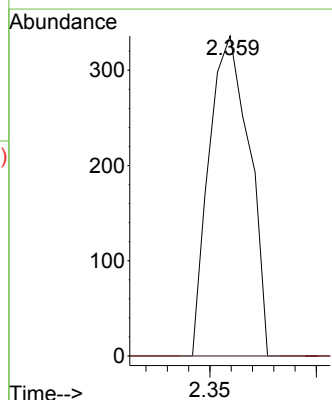
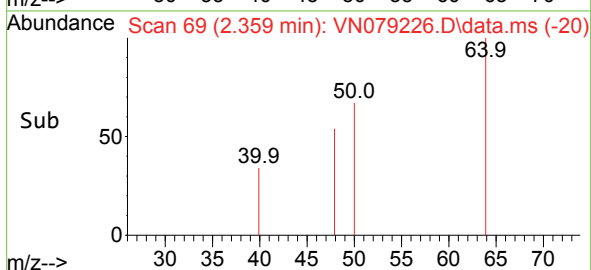
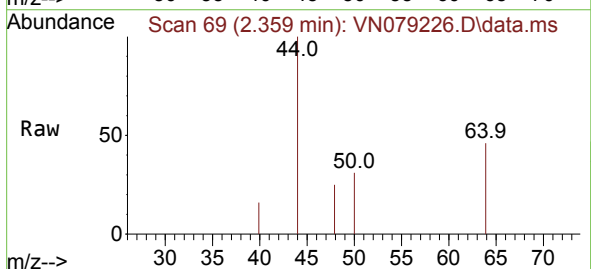


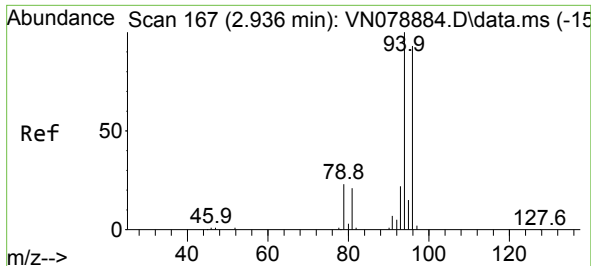
Tgt Ion:168 Resp: 114090
Ion Ratio Lower Upper
168 100
99 57.5 53.0 79.6



#3
Chloromethane
Concen: 0.298 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.012 min
Lab File: VN079226.D
Acq: 11 Sep 2023 19:05

Tgt Ion: 50 Resp: 441
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#





#5

Bromomethane

Concen: 0.704 ug/l

RT: 2.895 min Scan# 11

Delta R.T. -0.053 min

Lab File: VN079226.D

Acq: 11 Sep 2023 19:05

Instrument :

MSVOA_N

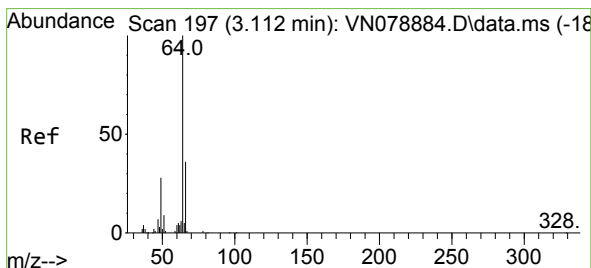
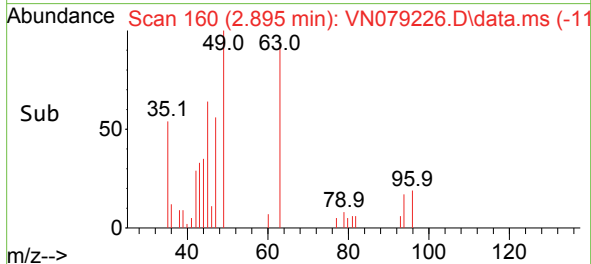
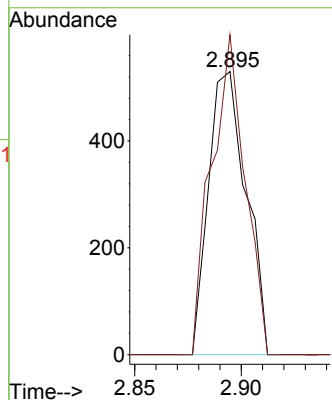
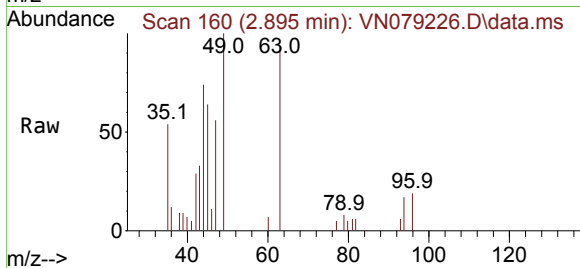
ClientSampleId :

Tgt Ion: 94 Resp: 653

Ion Ratio Lower Upper

94 100

96 113.0 73.1 109.7#



#6

Chloroethane

Concen: Below Cal

RT: 3.189 min Scan# 210

Delta R.T. 0.071 min

Lab File: VN079226.D

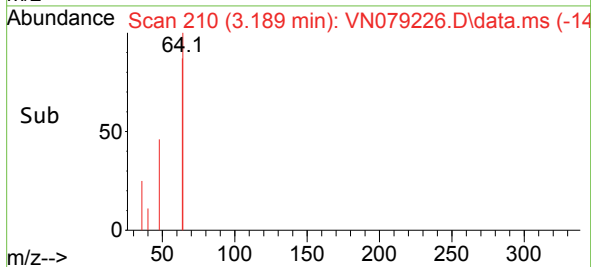
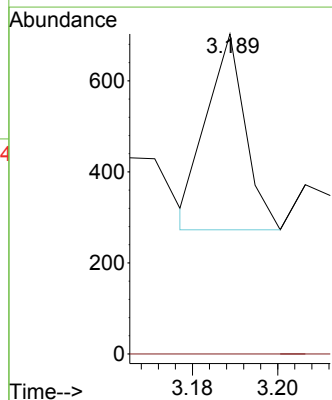
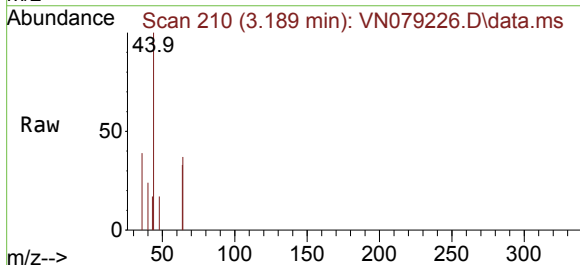
Acq: 11 Sep 2023 19:05

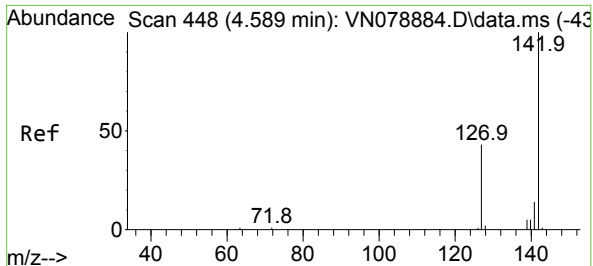
Tgt Ion: 64 Resp: 271

Ion Ratio Lower Upper

64 100

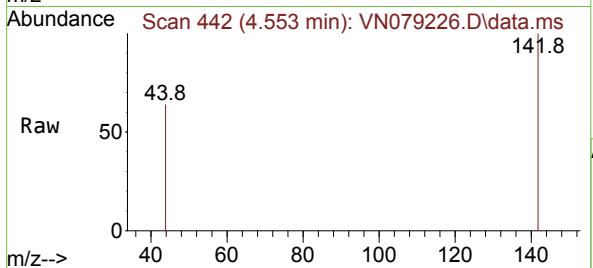
66 0.0 25.4 38.2#



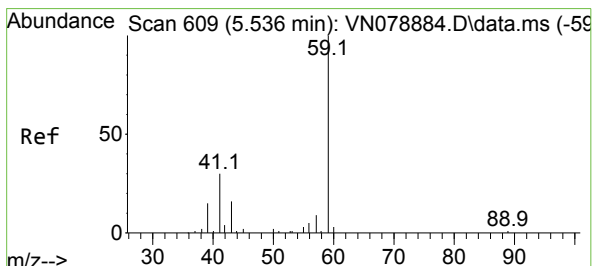
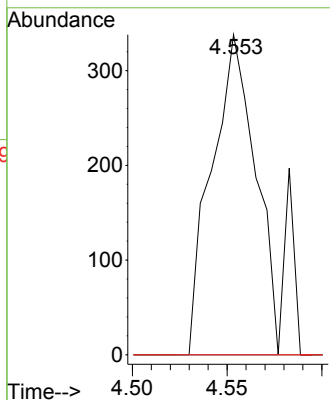
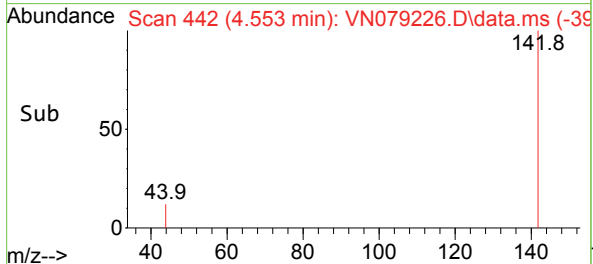


#10
Methyl Iodide
Concen: 0.531 ug/l
RT: 4.553 min Scan# 442
Delta R.T. -0.047 min
Lab File: VN079226.D
Acq: 11 Sep 2023 19:05

Instrument :
MSVOA_N
ClientSampleId :

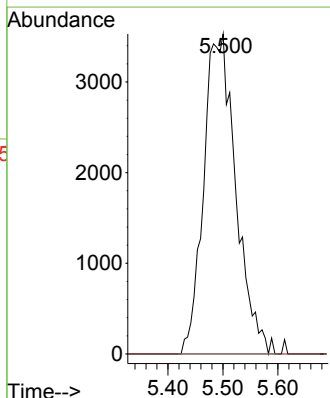
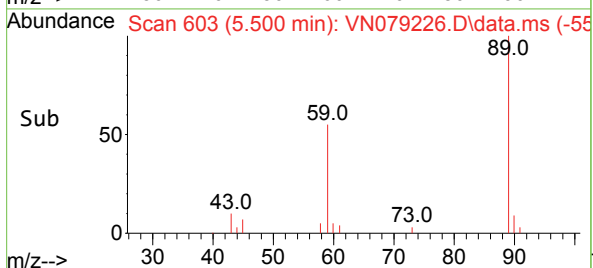
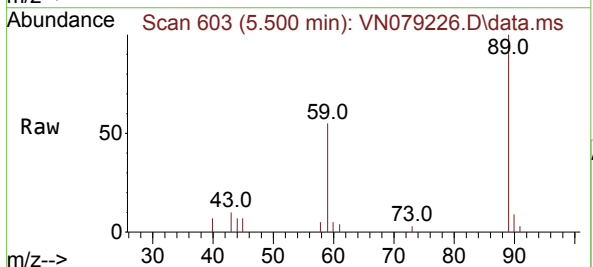


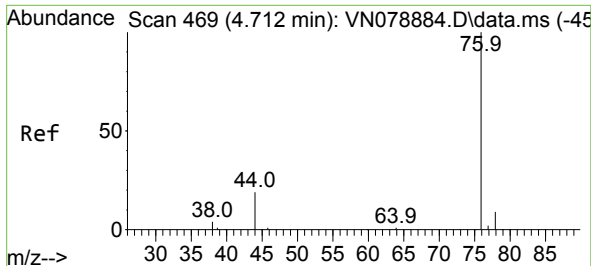
Tgt Ion:142 Resp: 546
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 50.356 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.042 min
Lab File: VN079226.D
Acq: 11 Sep 2023 19:05

Tgt Ion: 59 Resp: 14318
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

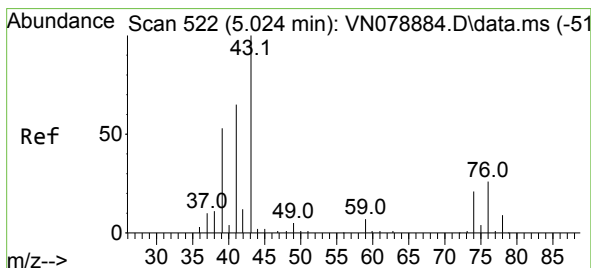
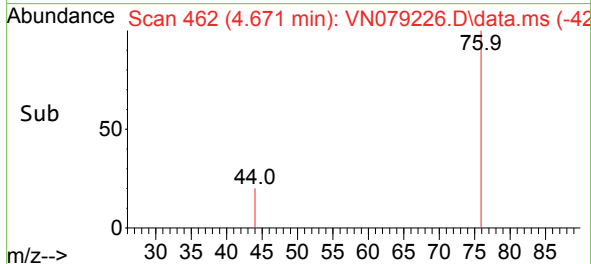
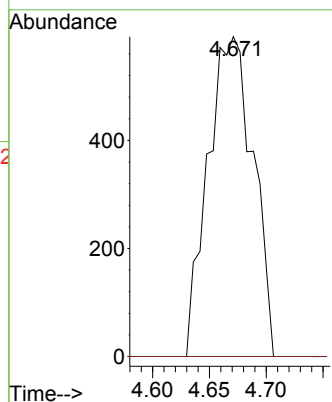
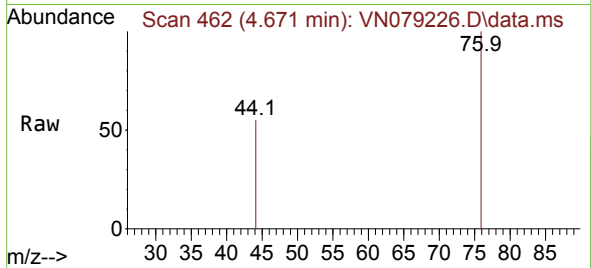




#17
Carbon Disulfide
Concen: 0.431 ug/l
RT: 4.671 min Scan# 462
Delta R.T. -0.053 min
Lab File: VN079226.D
Acq: 11 Sep 2023 19:05

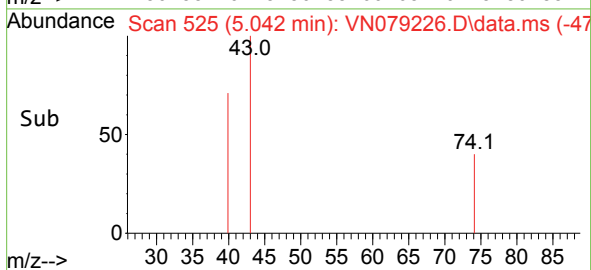
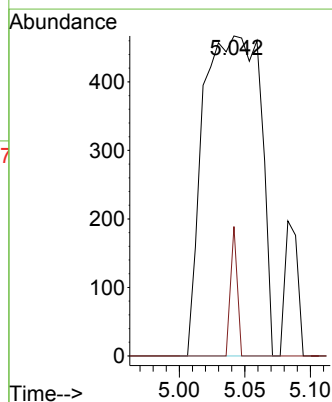
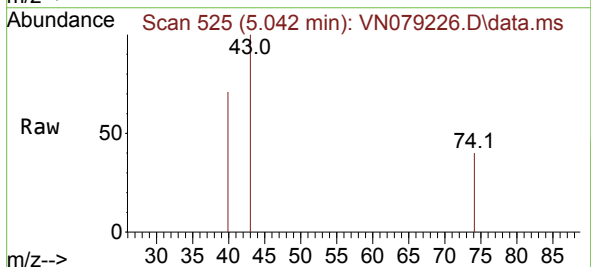
Instrument :
MSVOA_N
ClientSampleId :

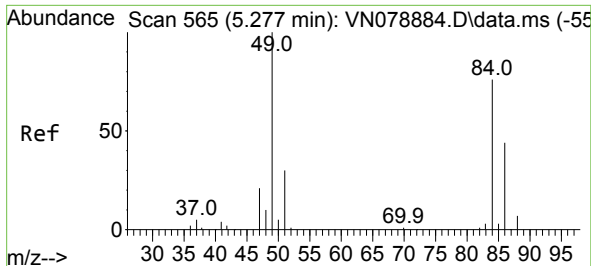
Tgt Ion: 76 Resp: 1639
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.523 ug/l
RT: 5.042 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN079226.D
Acq: 11 Sep 2023 19:05

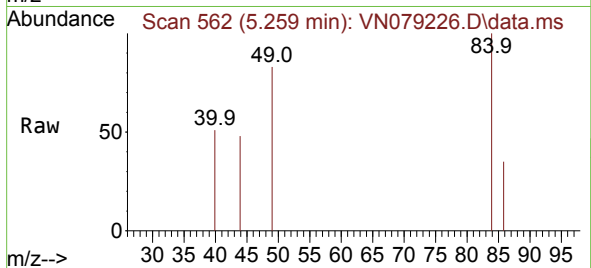
Tgt Ion: 43 Resp: 1405
Ion Ratio Lower Upper
43 100
74 4.8 26.2 39.4#



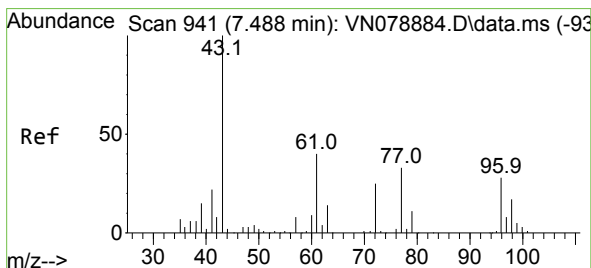
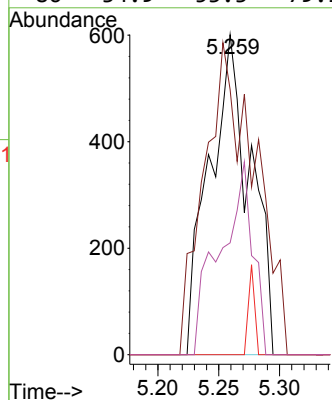


#20
Methylene Chloride
Concen: 0.889 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.024 min
Lab File: VN079226.D
Acq: 11 Sep 2023 19:05

Instrument :
MSVOA_N
ClientSampleId :

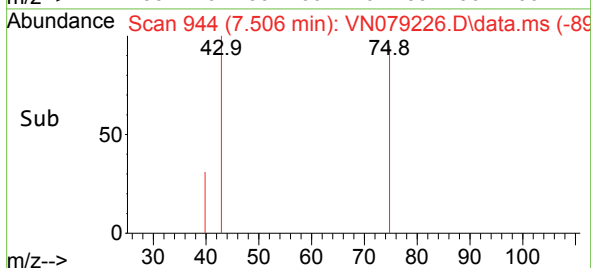
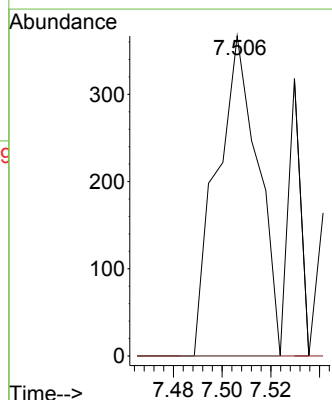
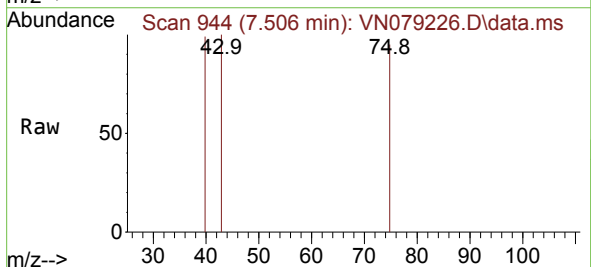


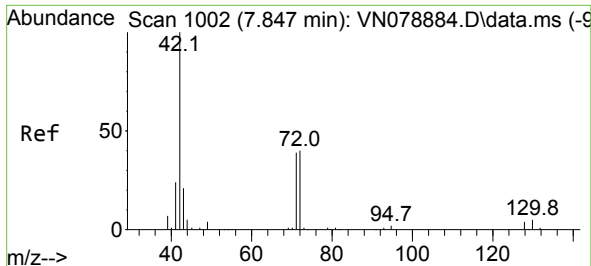
Tgt Ion:	84	Resp:	1415
Ion	Ratio	Lower	Upper
84	100		
49	82.9	79.7	119.5
51	0.0	25.2	37.8#
86	34.9	53.3	79.9#



#25
2-Butanone
Concen: 0.455 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN079226.D
Acq: 11 Sep 2023 19:05

Tgt Ion:	43	Resp:	432
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.520 ug/l

RT: 7.853 min Scan# 1067

Delta R.T. 0.006 min

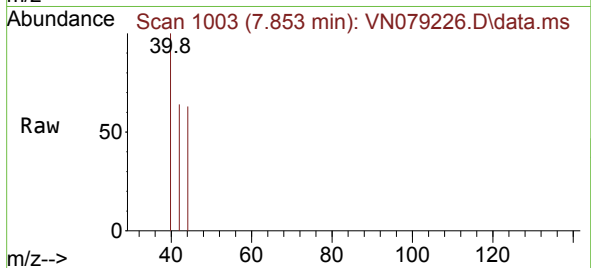
Lab File: VN079226.D

Acq: 11 Sep 2023 19:05

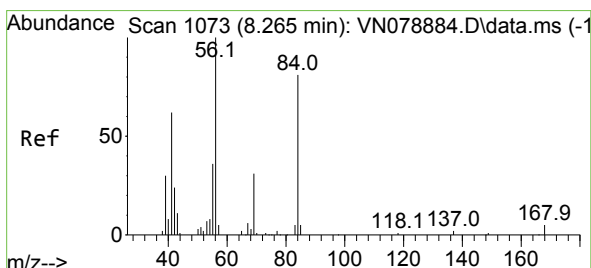
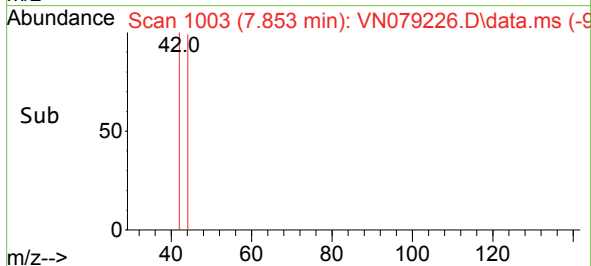
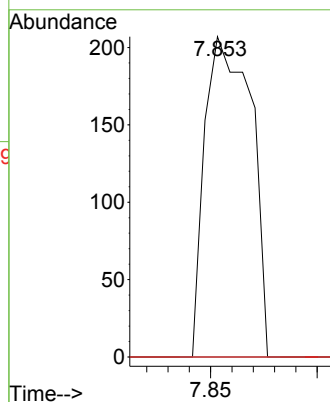
Instrument :

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Tgt Ion:	42	Resp:	314
Ion Ratio	Lower	Upper	
42	100		
72	0.0	49.8	74.6#
71	0.0	47.4	71.2#



#31

Cyclohexane

Concen: 1.028 ug/l

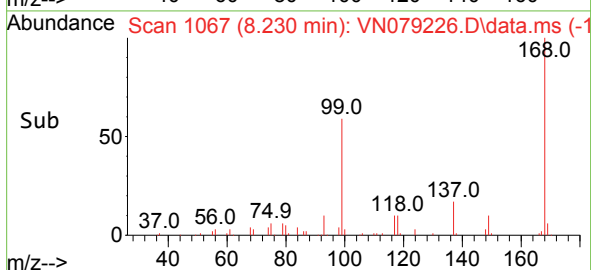
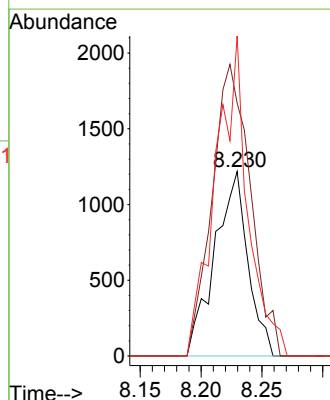
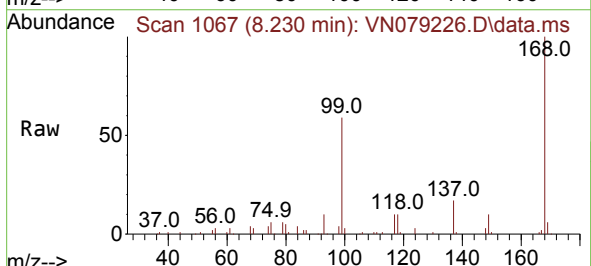
RT: 8.230 min Scan# 1067

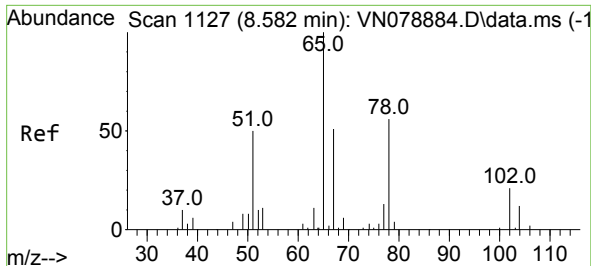
Delta R.T. -0.035 min

Lab File: VN079226.D

Acq: 11 Sep 2023 19:05

Tgt Ion:	56	Resp:	2312
Ion Ratio	Lower	Upper	
56	100		
69	137.0	26.8	40.2#
84	173.5	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 50.352 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN079226.D

Acq: 11 Sep 2023 19:05

Instrument :

MSVOA_N

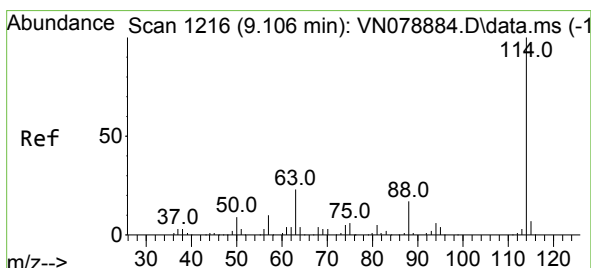
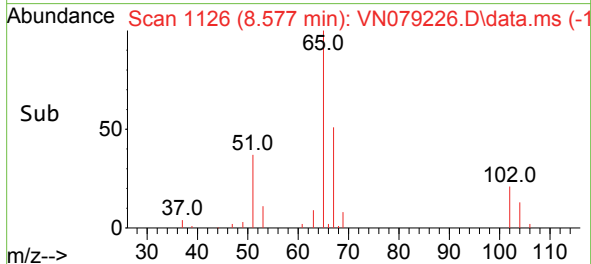
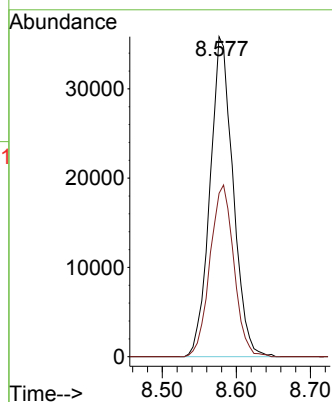
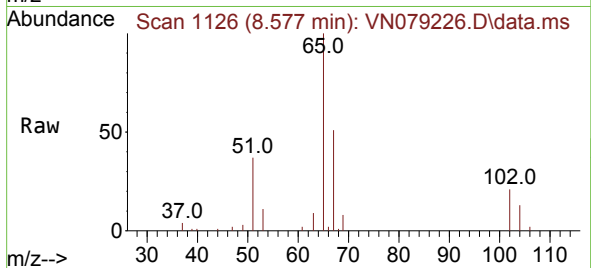
ClientSampleId :

Tgt Ion: 65 Resp: 77547

Ion Ratio Lower Upper

65 100

67 55.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN079226.D

Acq: 11 Sep 2023 19:05

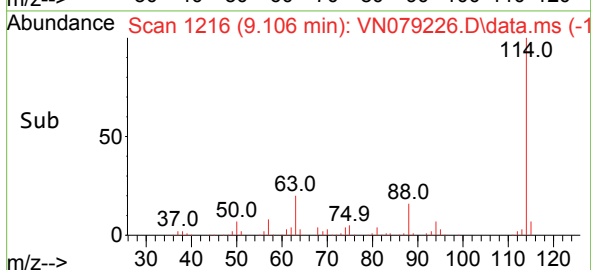
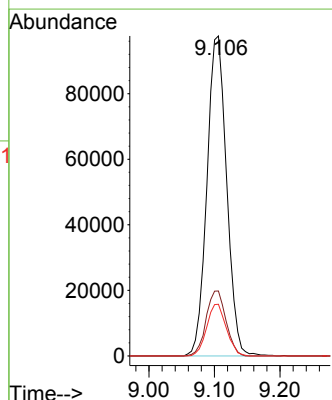
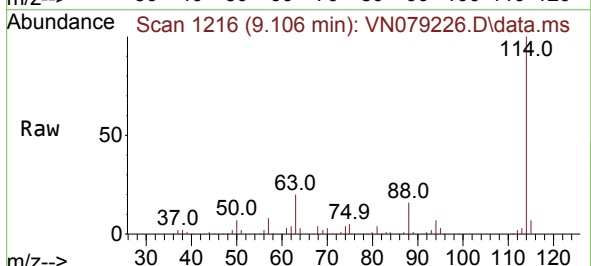
Tgt Ion: 114 Resp: 203898

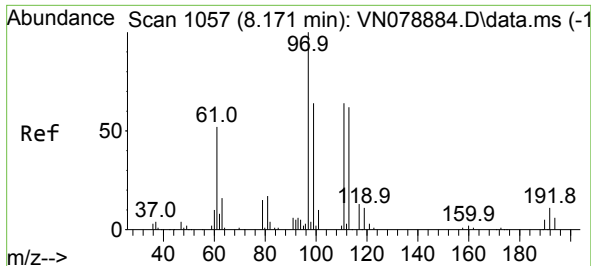
Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.4

88 16.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.836 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

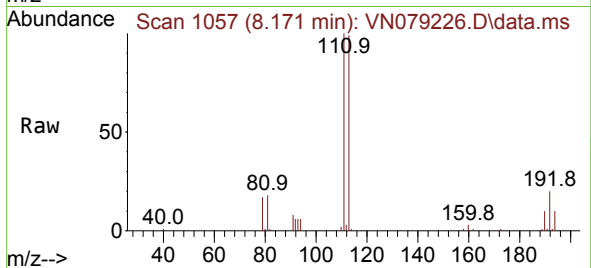
Lab File: VN079226.D

Acq: 11 Sep 2023 19:05

Instrument :

MSVOA_N

ClientSampleId :



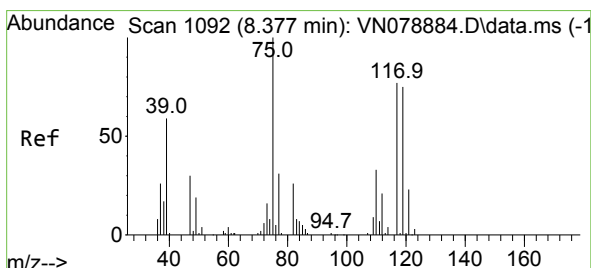
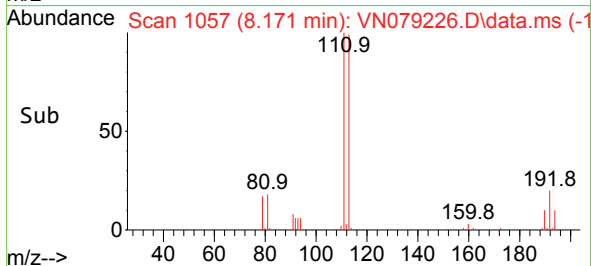
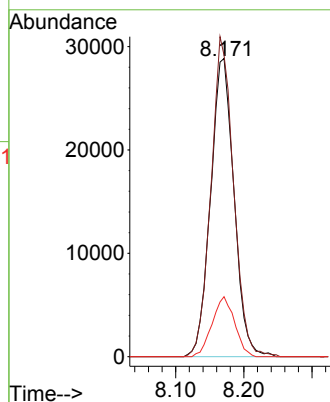
Tgt Ion:113 Resp: 68949

Ion Ratio Lower Upper

113 100

111 103.4 82.6 123.8

192 19.4 12.7 19.1#



#36

1,1-Dichloropropene

Concen: 4.222 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN079226.D

Acq: 11 Sep 2023 19:05

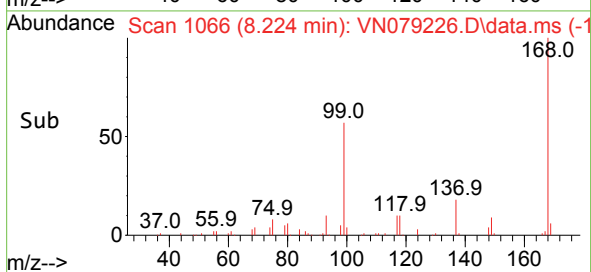
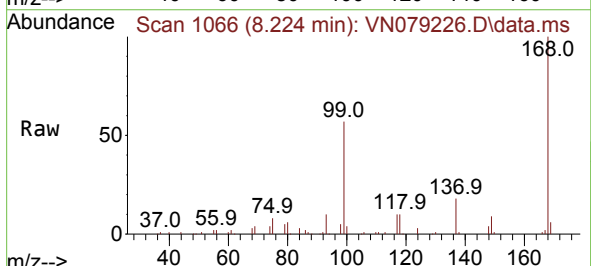
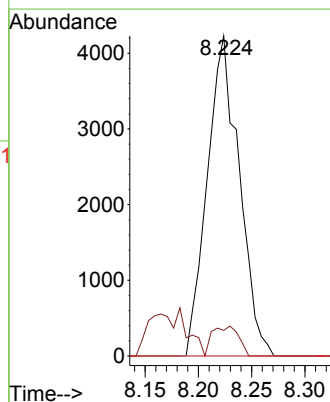
Tgt Ion: 75 Resp: 8826

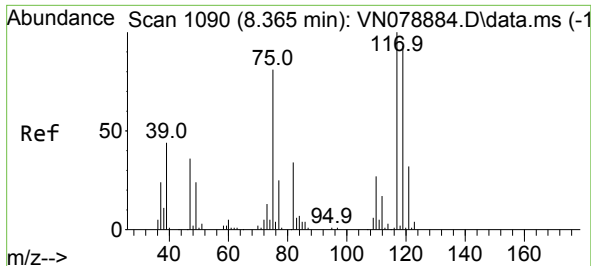
Ion Ratio Lower Upper

75 100

110 7.6 19.1 57.3#

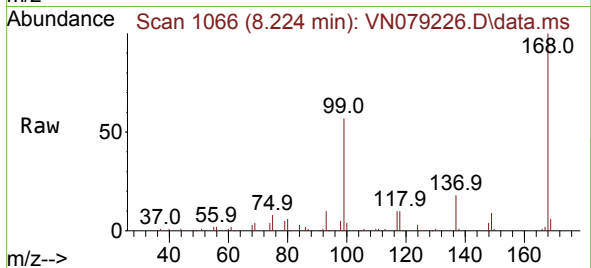
77 0.0 25.0 37.4#



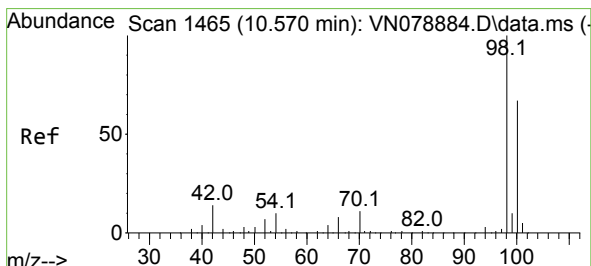
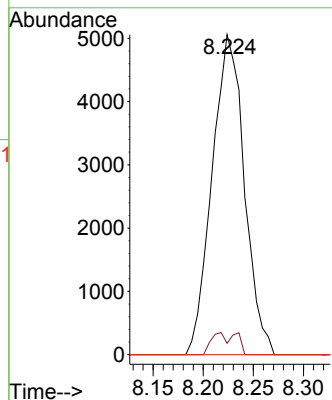
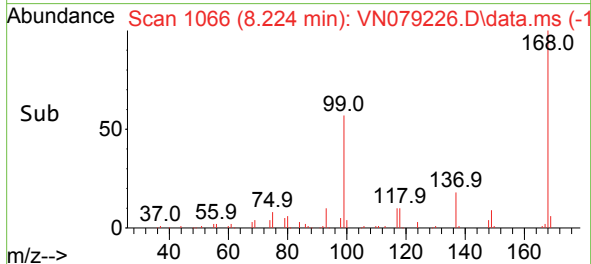


#38
Carbon Tetrachloride
Concen: 5.232 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN079226.D
Acq: 11 Sep 2023 19:05

Instrument :
MSVOA_N
ClientSampleId :

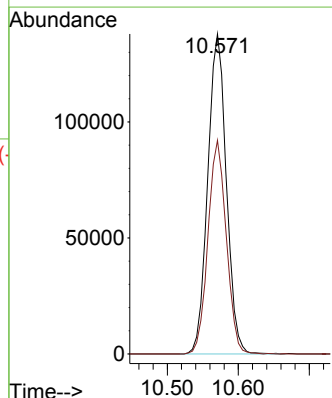
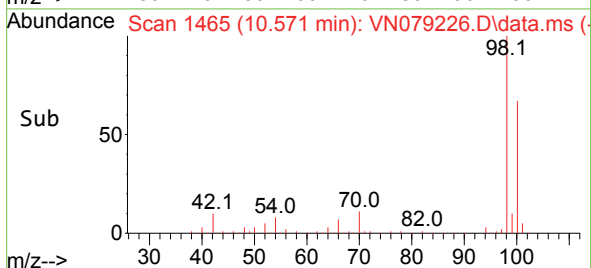
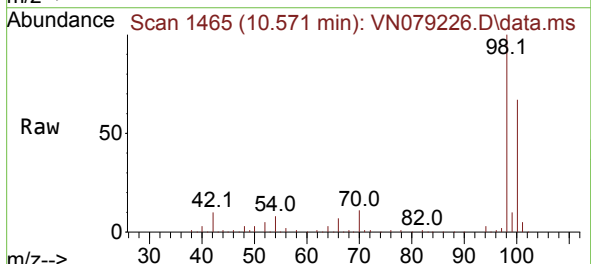


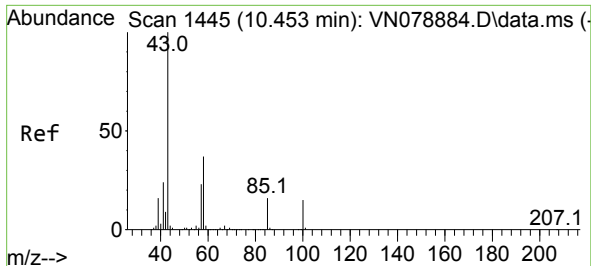
Tgt Ion:117 Resp: 11319
Ion Ratio Lower Upper
117 100
119 3.5 77.3 115.9#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 50.395 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079226.D
Acq: 11 Sep 2023 19:05

Tgt Ion: 98 Resp: 250973
Ion Ratio Lower Upper
98 100
100 65.8 52.0 78.0

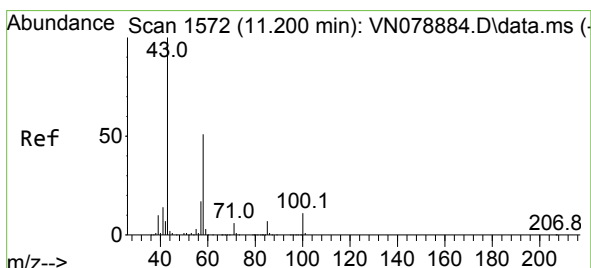
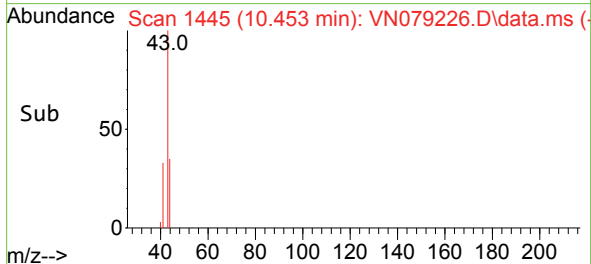
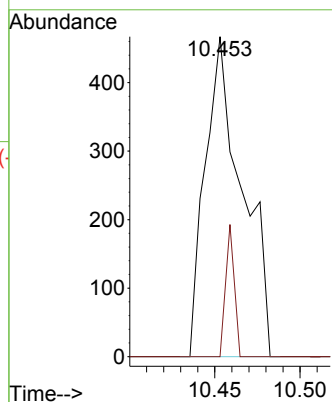
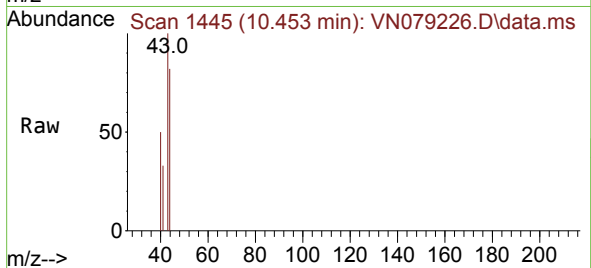




#51
4-Methyl-2-Pentanone
Concen: 0.358 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN079226.D
Acq: 11 Sep 2023 19:05

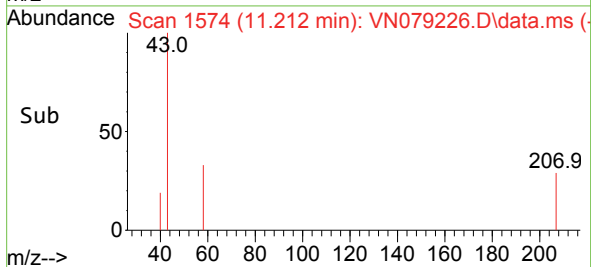
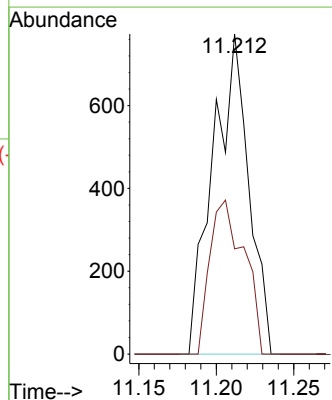
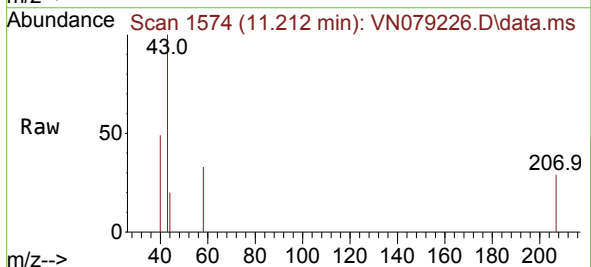
Instrument :
MSVOA_N
ClientSampleId :

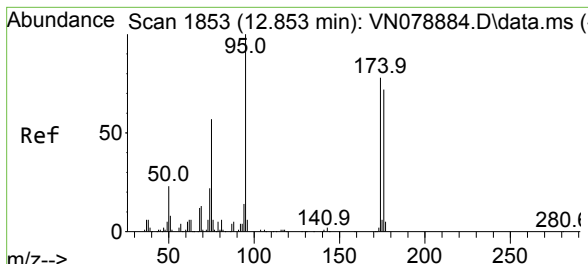
Tgt Ion: 43 Resp: 708
Ion Ratio Lower Upper
43 100
58 9.6 36.6 54.8#



#59
2-Hexanone
Concen: 0.868 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN079226.D
Acq: 11 Sep 2023 19:05

Tgt Ion: 43 Resp: 1241
Ion Ratio Lower Upper
43 100
58 46.2 31.7 95.1

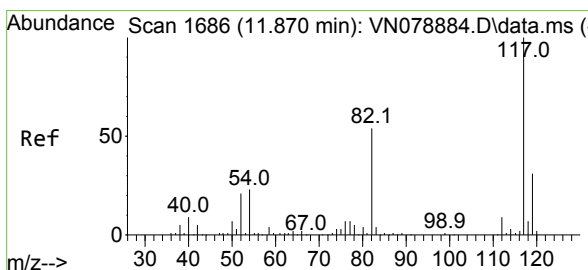
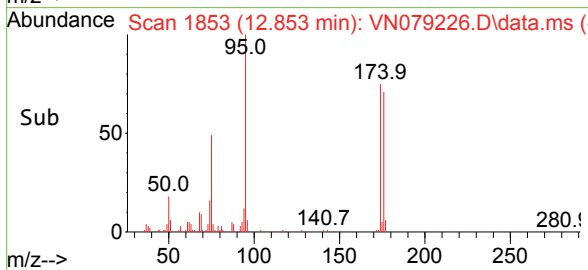
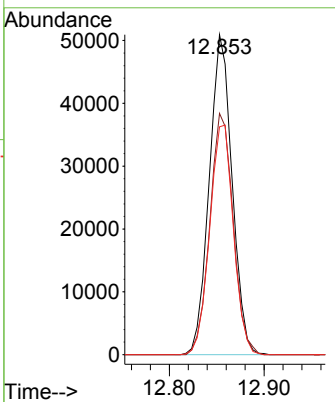
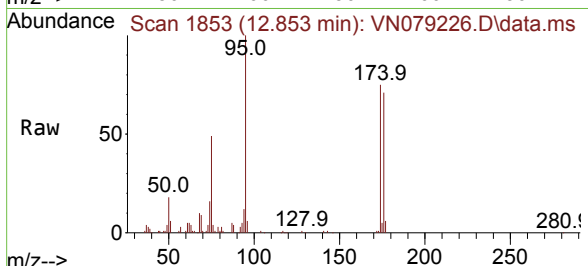




#62
 4-Bromofluorobenzene
 Concen: 53.604 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VN079226.D
 Acq: 11 Sep 2023 19:05

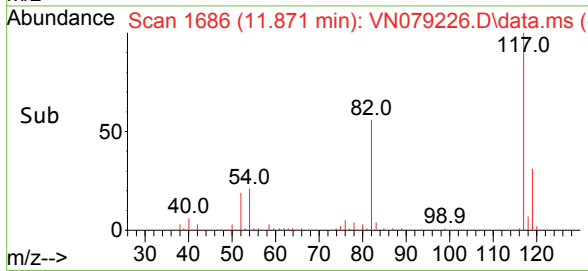
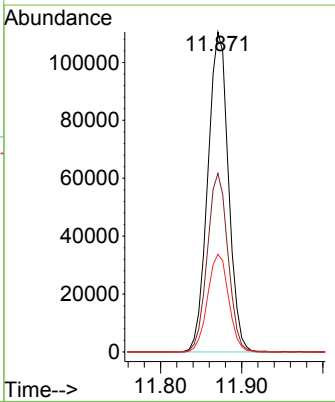
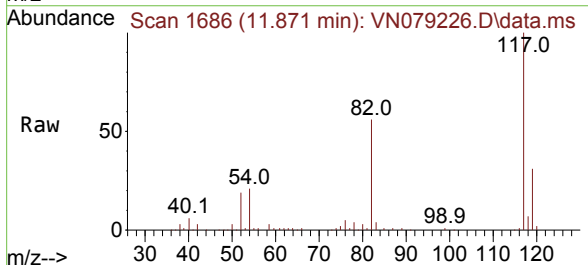
Instrument :
 MSVOA_N
 ClientSampleId :

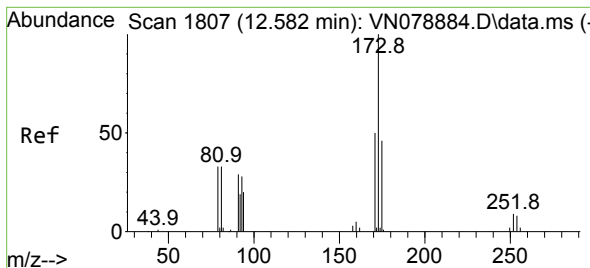
Tgt Ion:	95	Resp:	85152
Ion Ratio	Lower	Upper	
95	100		
174	77.4	0.0	143.8
176	74.6	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. -0.000 min
 Lab File: VN079226.D
 Acq: 11 Sep 2023 19:05

Tgt Ion:	117	Resp:	195168
Ion Ratio	Lower	Upper	
117	100		
82	55.8	44.0	66.0
119	30.5	25.6	38.4





#71

Bromoform

Concen: 0.432 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

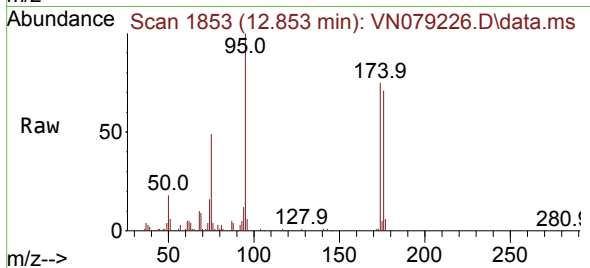
Lab File: VN079226.D

Acq: 11 Sep 2023 19:05

Instrument :

MSVOA_N

ClientSampleId :



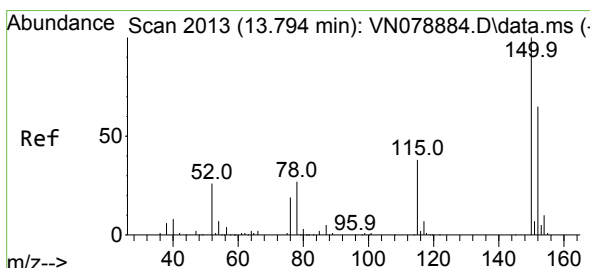
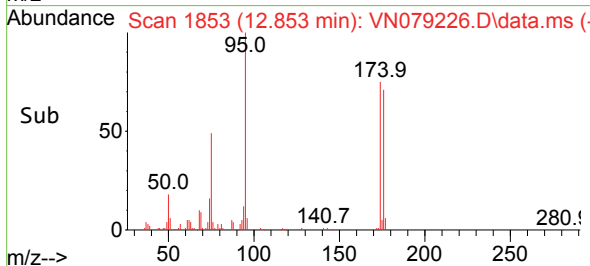
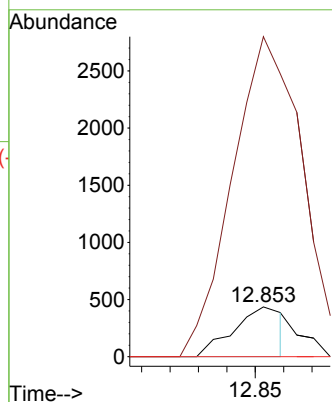
Tgt Ion:173 Resp: 529

Ion Ratio Lower Upper

173 100

175 663.9 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: VN079226.D

Acq: 11 Sep 2023 19:05

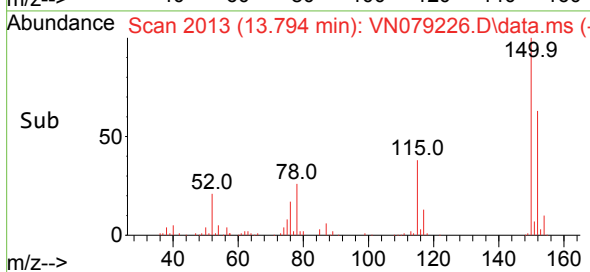
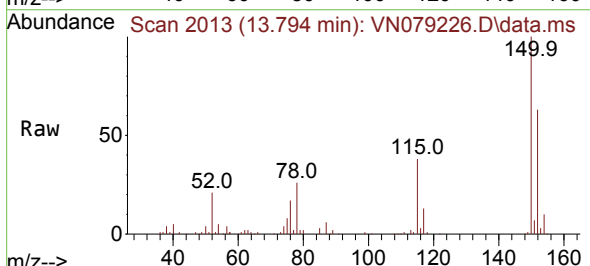
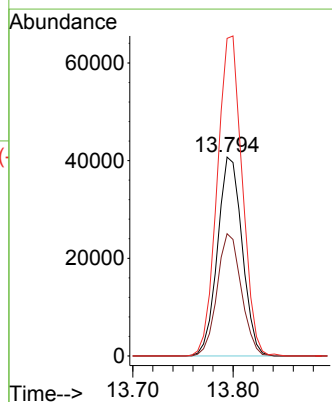
Tgt Ion:152 Resp: 69379

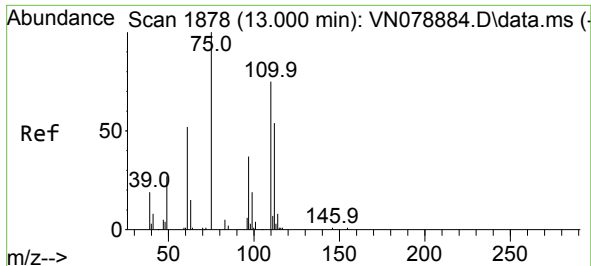
Ion Ratio Lower Upper

152 100

115 60.5 32.3 96.8

150 163.1 0.0 355.8

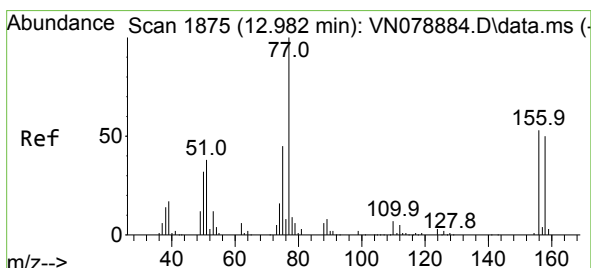
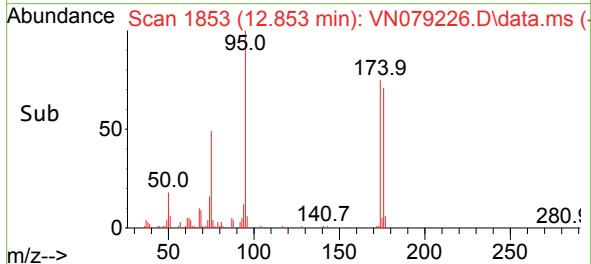
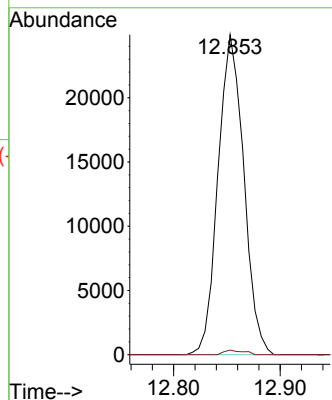
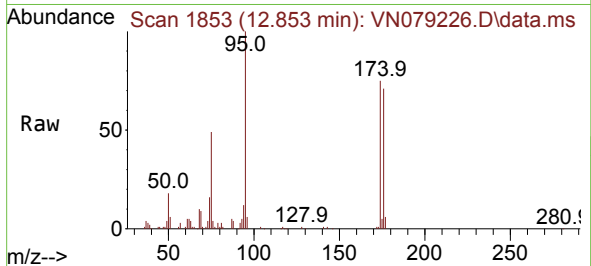




#76
1,2,3-Trichloropropane
Concen: 22.325 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079226.D
Acq: 11 Sep 2023 19:05

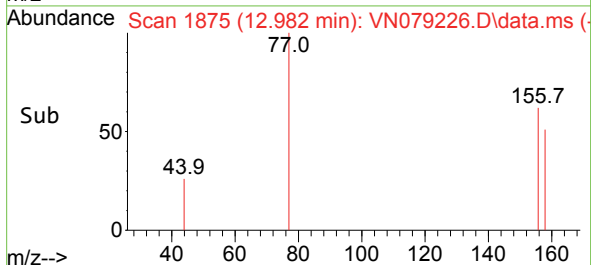
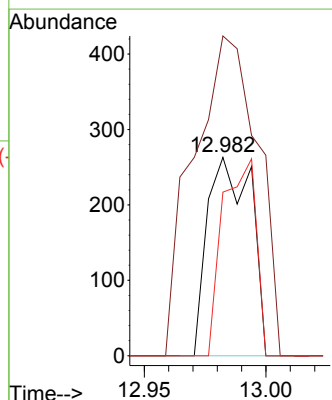
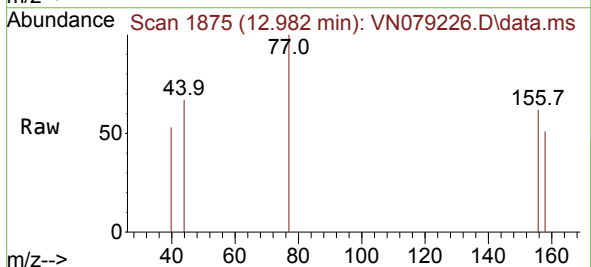
Instrument :
MSVOA_N
ClientSampleId :

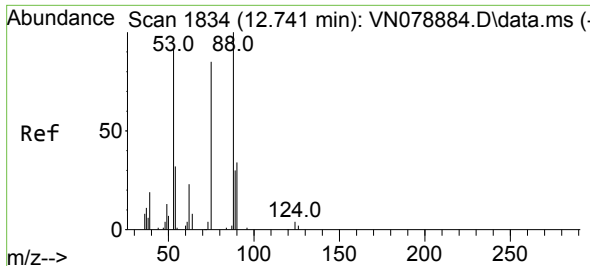
Tgt Ion: 75 Resp: 41744
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#77
Bromobenzene
Concen: 0.204 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN079226.D
Acq: 11 Sep 2023 19:05

Tgt Ion: 156 Resp: 326
Ion Ratio Lower Upper
156 100
77 238.3 107.7 323.3
158 76.1 48.4 145.3

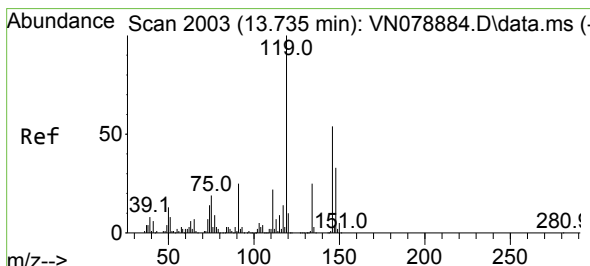
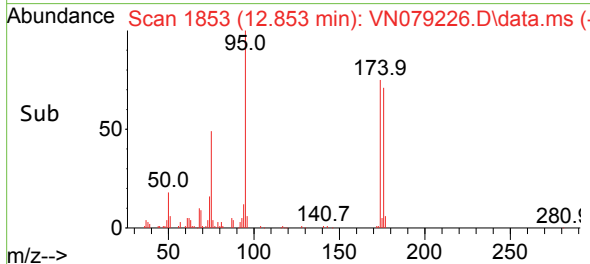
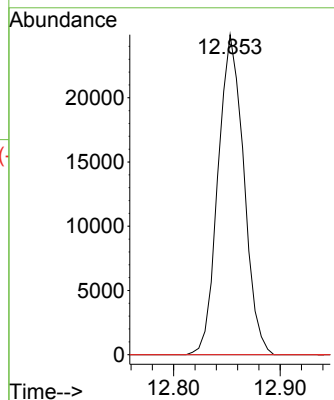
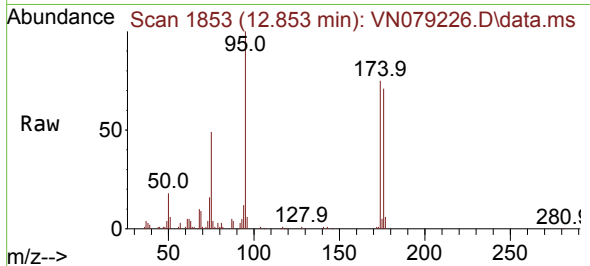




#81
trans-1,4-Dichloro-2-butene
Concen: 61.375 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079226.D
Acq: 11 Sep 2023 19:05

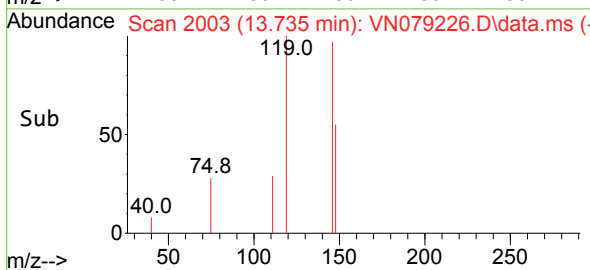
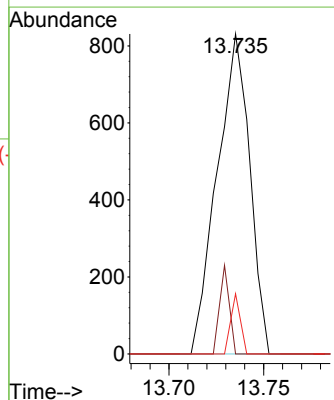
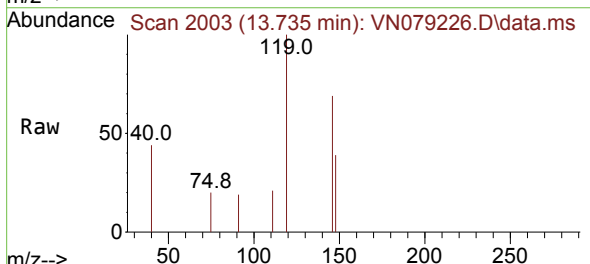
Instrument :
MSVOA_N
ClientSampleId :

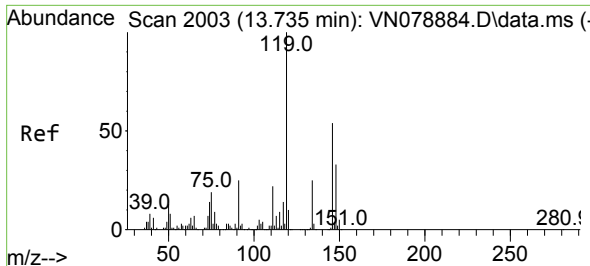
Tgt Ion: 75 Resp: 41744
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#86
p-Isopropyltoluene
Concen: 0.207 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN079226.D
Acq: 11 Sep 2023 19:05

Tgt Ion: 119 Resp: 993
Ion Ratio Lower Upper
119 100
134 8.2 12.6 37.8#
91 5.5 12.4 37.2#





#87

1,3-Dichlorobenzene

Concen: 0.348 ug/l

RT: 13.747 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN079226.D

Acq: 11 Sep 2023 19:05

Instrument :

MSVOA_N

ClientSampleId :

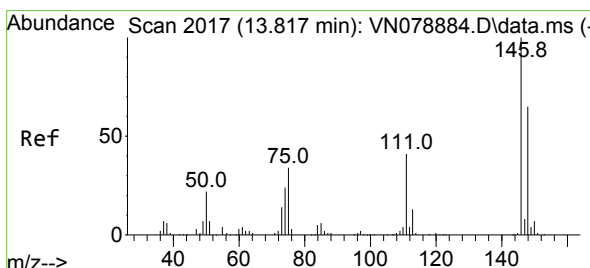
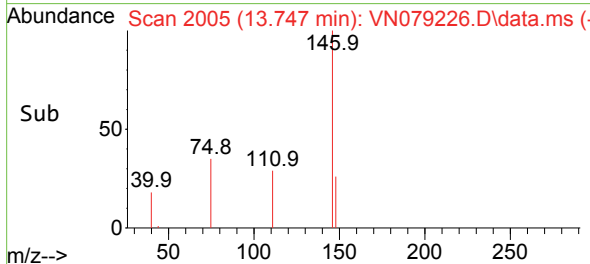
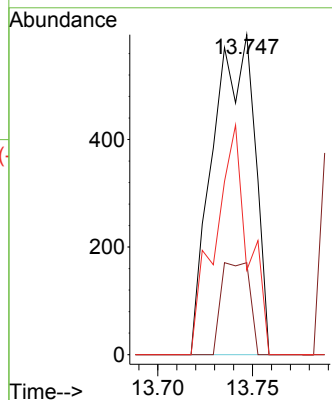
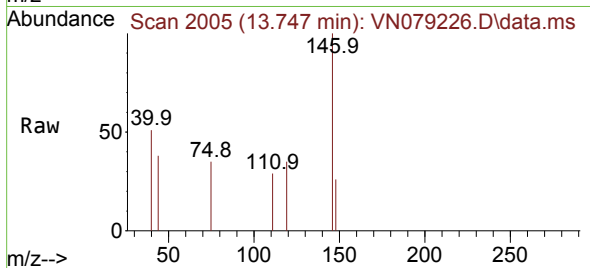
Tgt Ion:146 Resp: 913

Ion Ratio Lower Upper

146 100

111 19.6 22.1 66.3#

148 57.2 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 0.477 ug/l

RT: 13.818 min Scan# 2017

Delta R.T. -0.000 min

Lab File: VN079226.D

Acq: 11 Sep 2023 19:05

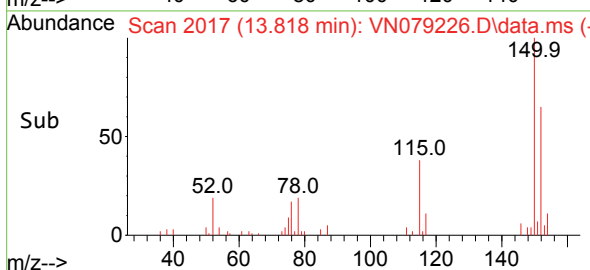
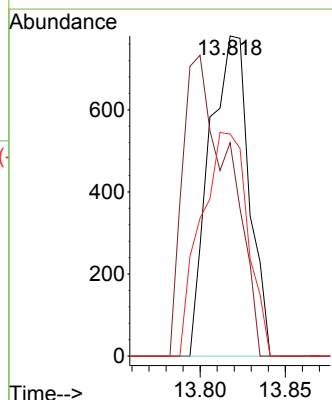
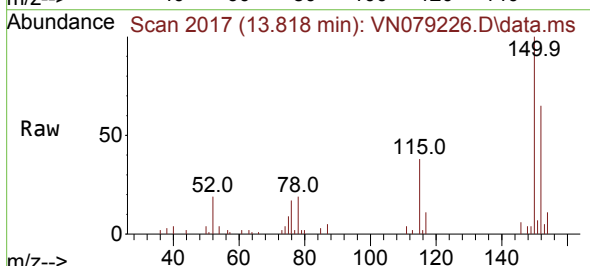
Tgt Ion:146 Resp: 1264

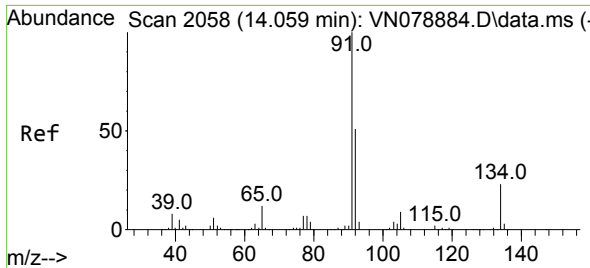
Ion Ratio Lower Upper

146 100

111 109.4 20.6 61.8#

148 82.1 31.6 94.8

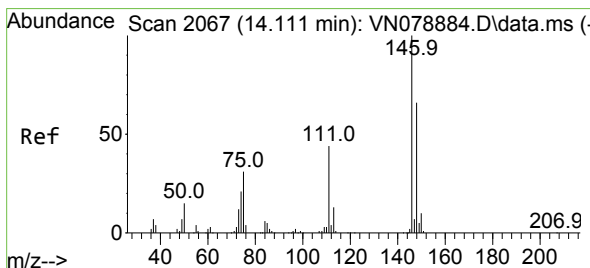
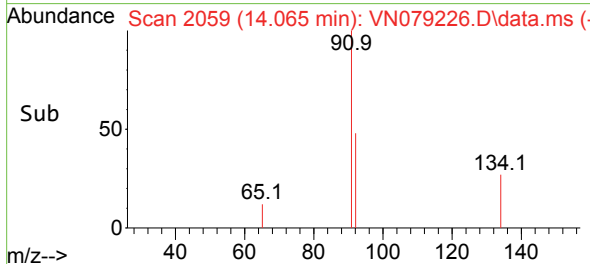
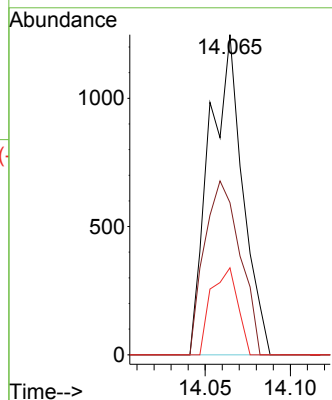
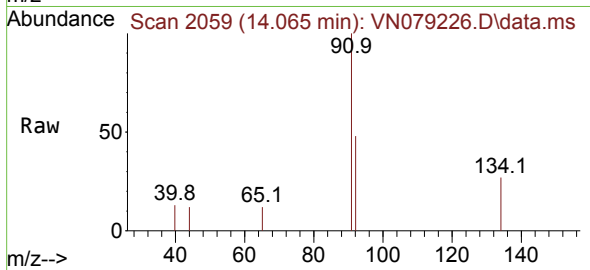




#89
n-Butylbenzene
Concen: 0.450 ug/l
RT: 14.065 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN079226.D
Acq: 11 Sep 2023 19:05

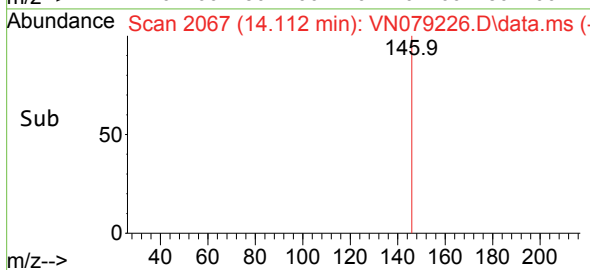
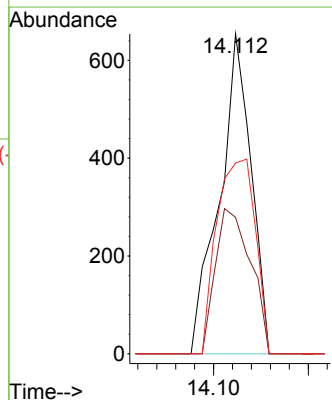
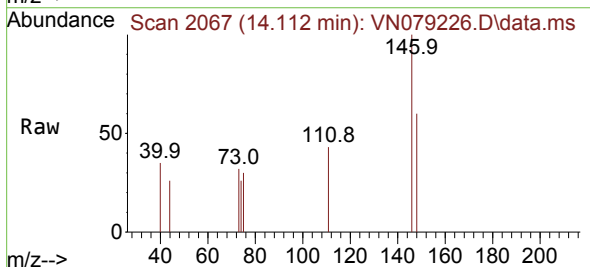
Instrument :
MSVOA_N
ClientSampleId :

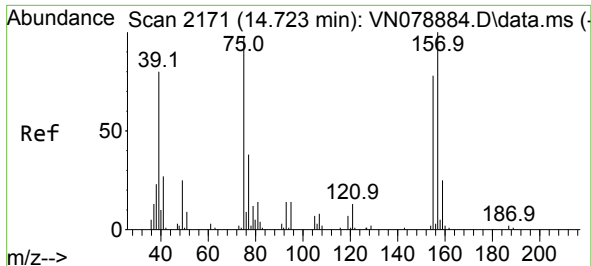
Tgt Ion: 91	Resp: 1695
Ion Ratio	Lower Upper
91	100
92	58.3 26.4 79.0
134	21.7 12.6 37.6



#91
1,2-Dichlorobenzene
Concen: 0.294 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. -0.000 min
Lab File: VN079226.D
Acq: 11 Sep 2023 19:05

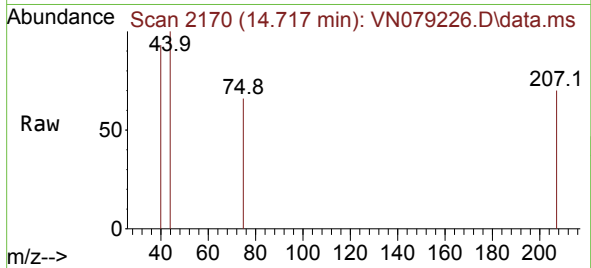
Tgt Ion: 146	Resp: 762
Ion Ratio	Lower Upper
146	100
111	50.4 22.0 66.0
148	73.8 31.8 95.3



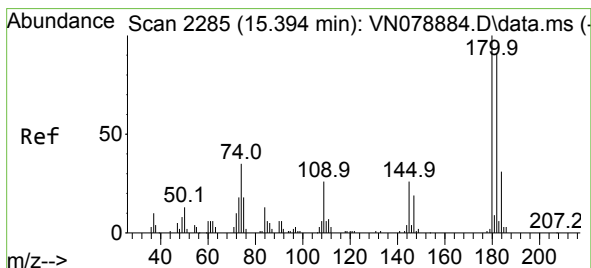
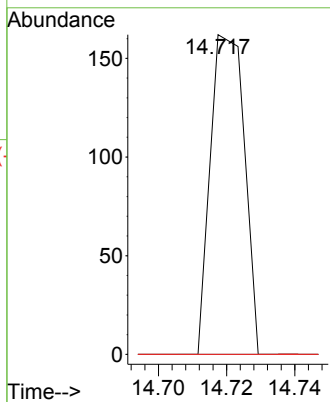
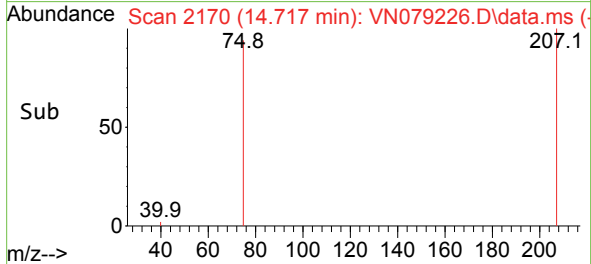


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.313 ug/l
RT: 14.717 min Scan# 2171
Delta R.T. -0.006 min
Lab File: VN079226.D
Acq: 11 Sep 2023 19:05

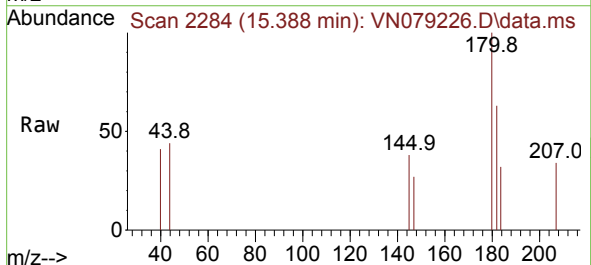
Instrument :
MSVOA_N
ClientSampleId :



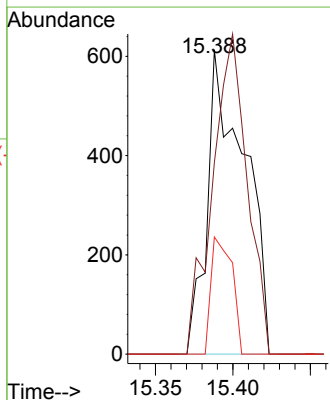
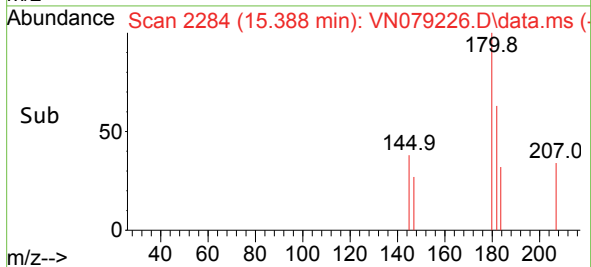
Tgt Ion: 75 Resp: 112
Ion Ratio Lower Upper
75 100
155 0.0 39.1 117.2#
157 0.0 50.3 150.9#

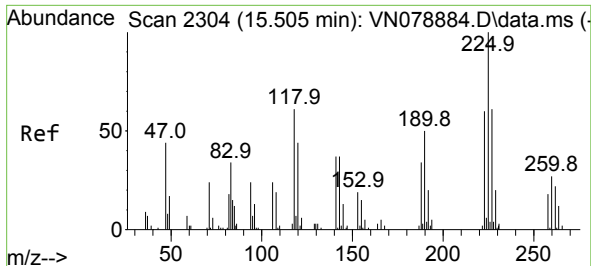


#93
1,2,4-Trichlorobenzene
Concen: 1.102 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.012 min
Lab File: VN079226.D
Acq: 11 Sep 2023 19:05



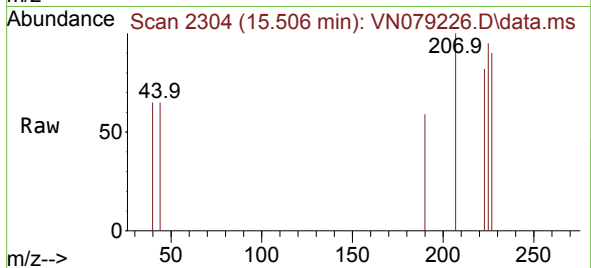
Tgt Ion: 180 Resp: 1025
Ion Ratio Lower Upper
180 100
182 98.1 46.1 138.2
145 21.7 16.6 49.8



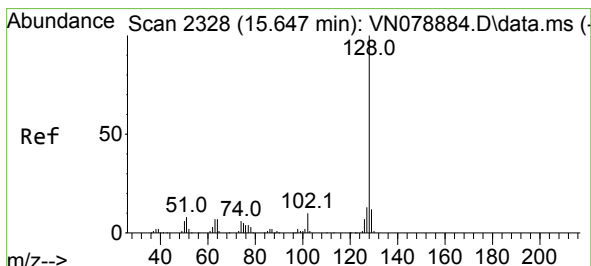
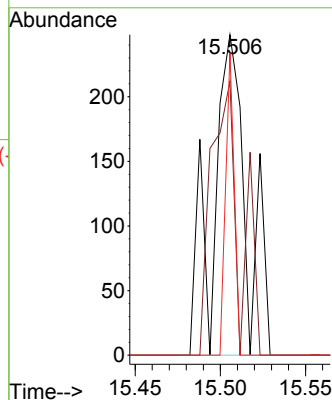
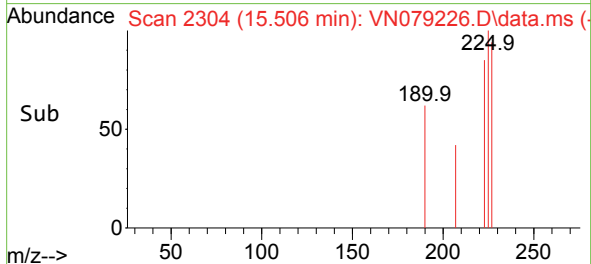


#94
Hexachlorobutadiene
Concen: 0.462 ug/l
RT: 15.506 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN079226.D
Acq: 11 Sep 2023 19:05

Instrument :
MSVOA_N
ClientSampleId :

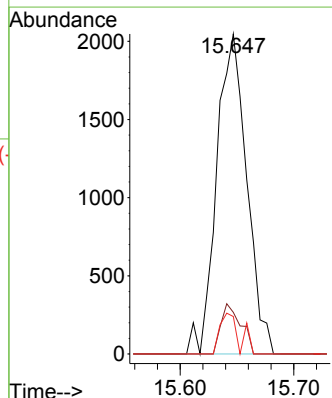
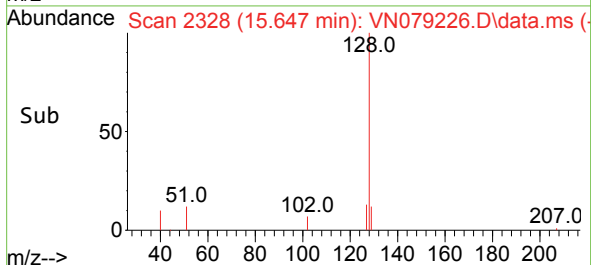
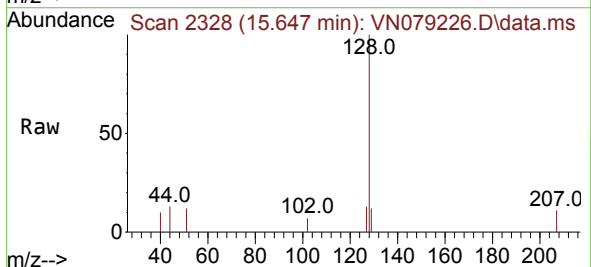


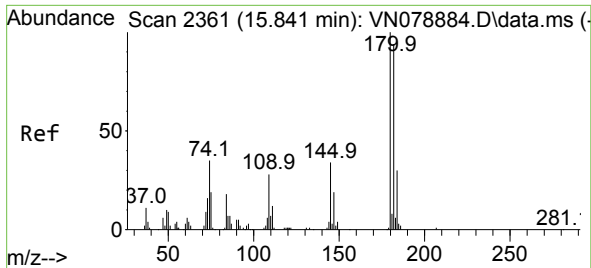
Tgt Ion:225 Resp: 338
Ion Ratio Lower Upper
225 100
223 73.1 31.3 93.8
227 24.6 31.9 95.9#



#95
Naphthalene
Concen: 1.367 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN079226.D
Acq: 11 Sep 2023 19:05

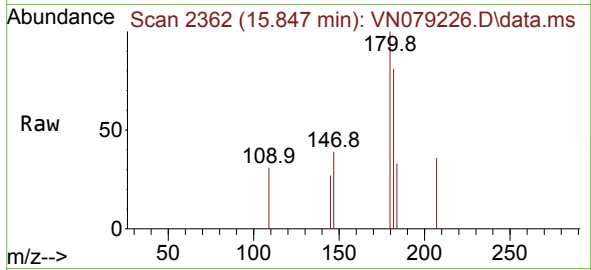
Tgt Ion:128 Resp: 3776
Ion Ratio Lower Upper
128 100
127 10.4 10.0 15.0
129 8.3 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.223 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN079226.D
 Acq: 11 Sep 2023 19:05

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	79.9	46.2	138.6
145	5.2	17.5	52.6

