

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110423\
 Data File : VN079904.D
 Acq On : 04 Nov 2023 19:40
 Operator : JC\MD
 Sample : 05223-04DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-GEP-4-20231031DL

Quant Time: Nov 06 02:18:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

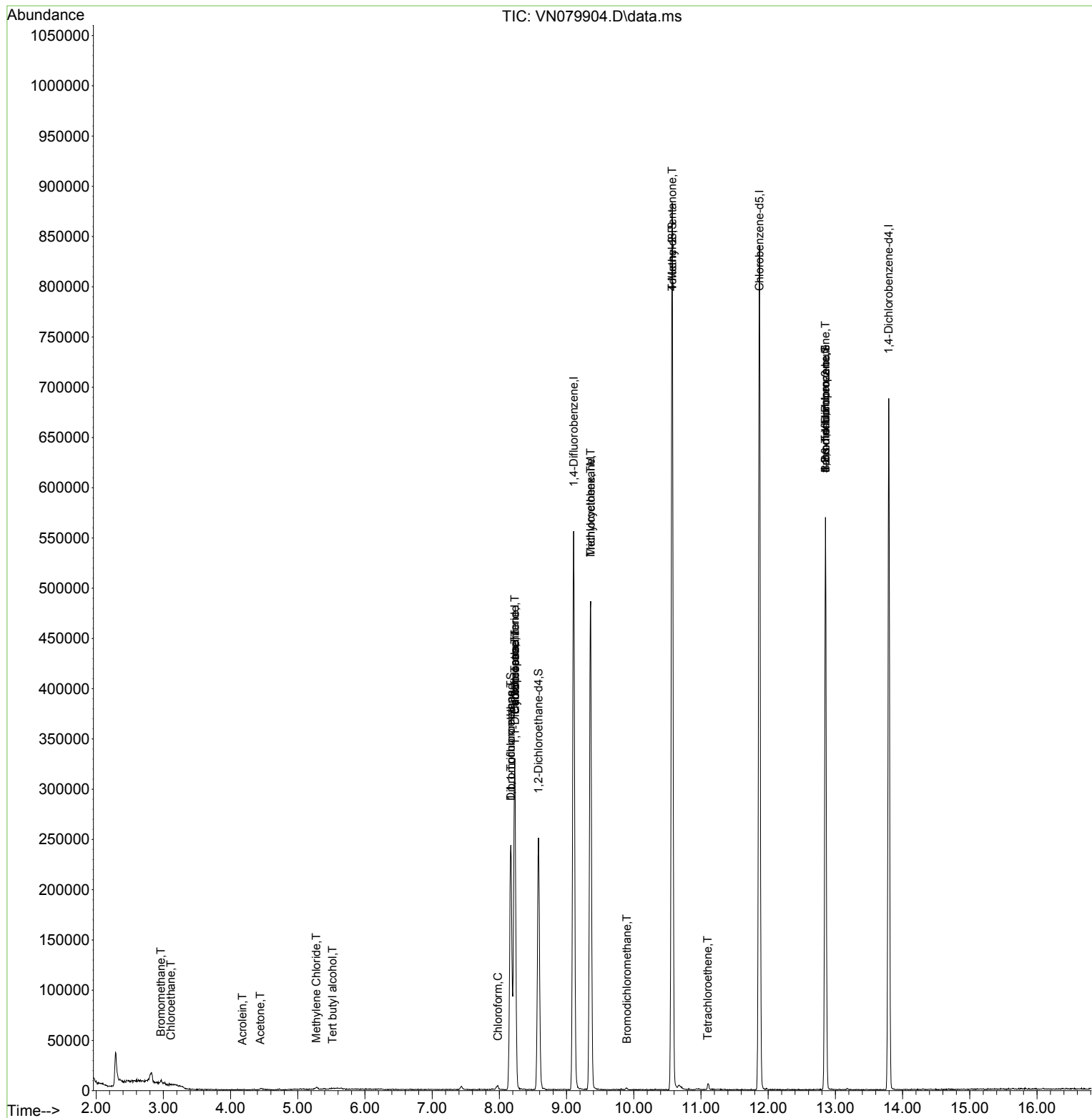
Internal Standards						
1) Pentafluorobenzene	8.230	168	228791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	457187	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	465748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	171083	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	201980	57.945	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.900%
35) Dibromofluoromethane	8.171	113	164795	50.929	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.860%
50) Toluene-d8	10.571	98	573471	48.142	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.280%
62) 4-Bromofluorobenzene	12.853	95	180295	45.637	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.280%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1174	Below Cal		91
5) Bromomethane	2.965	94	877	0.400	ug/l	83
6) Chloroethane	3.112	64	593	0.208	ug/l #	43
11) Tert butyl alcohol	5.518	59	91	0.205	ug/l #	72
13) Acrolein	4.177	56	55	2.710	ug/l #	16
16) Acetone	4.442	43	858	0.701	ug/l	91
20) Methylene Chloride	5.277	84	809	0.262	ug/l #	83
30) Chloroform	7.977	83	3822	0.662	ug/l	98
31) Cyclohexane	8.230	56	6271	1.361	ug/l #	52
32) 1,1,1-Trichloroethane	8.171	97	9264	1.970	ug/l #	51
36) 1,1-Dichloropropene	8.235	75	21251	4.600	ug/l #	48
38) Carbon Tetrachloride	8.230	117	26637	5.721	ug/l #	17
39) Methylcyclohexane	9.359	83	2317	0.533	ug/l #	1
44) Trichloroethene	9.359	130	171323	49.893	ug/l	96
47) Bromodichloromethane	9.900	83	1752	0.340	ug/l #	84
51) 4-Methyl-2-Pentanone	10.571	43	2828	0.676	ug/l #	1
64) Tetrachloroethene	11.100	164	1053	0.349	ug/l	92
71) Bromoform	12.853	173	1859	0.719	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	99138	24.683	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	99138	67.155	ug/l #	15

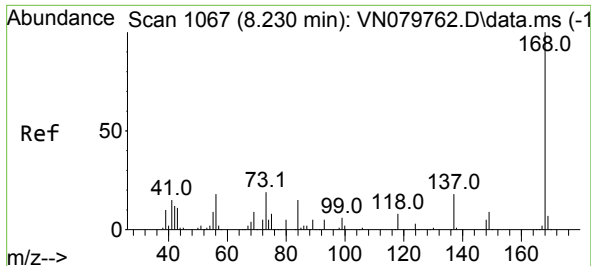
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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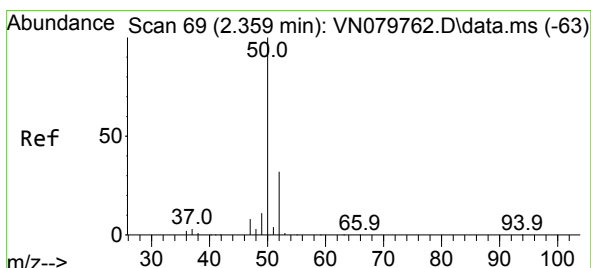
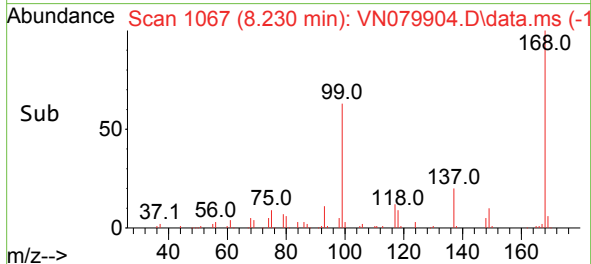
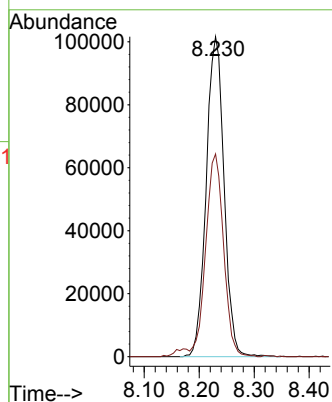
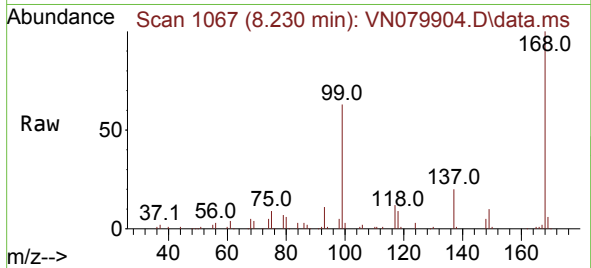




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN079904.D
Acq: 04 Nov 2023 19:40

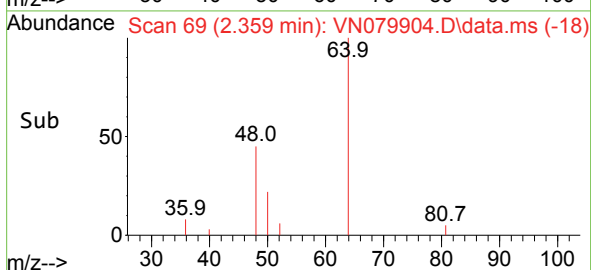
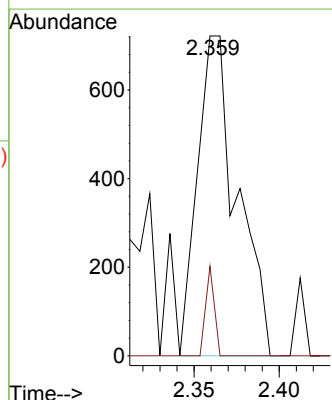
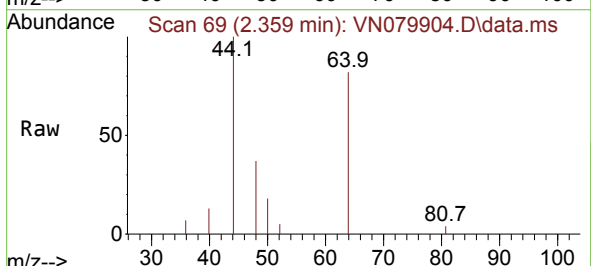
Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-4-20231031DL

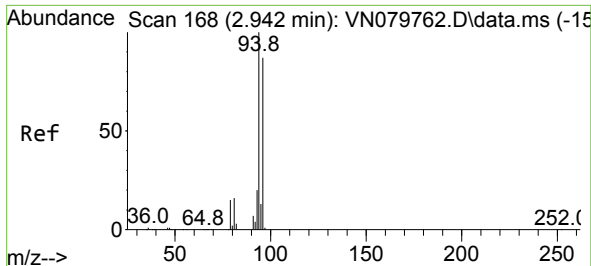
Tgt Ion:168 Resp: 228791
Ion Ratio Lower Upper
168 100
99 63.1 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN079904.D
Acq: 04 Nov 2023 19:40

Tgt Ion: 50 Resp: 1174
Ion Ratio Lower Upper
50 100
52 28.0 26.5 39.7

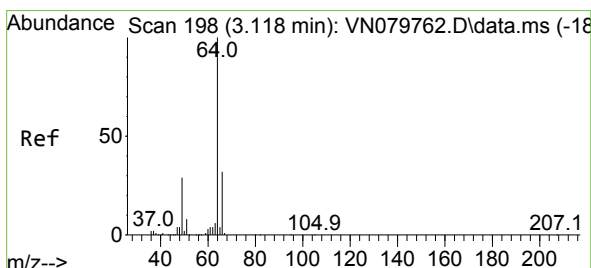
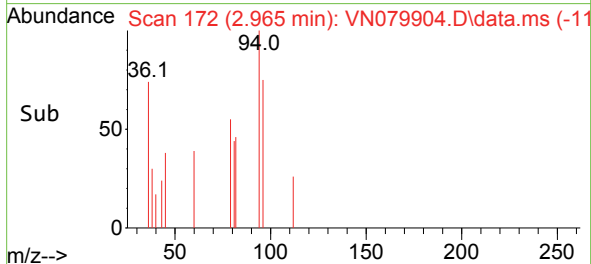
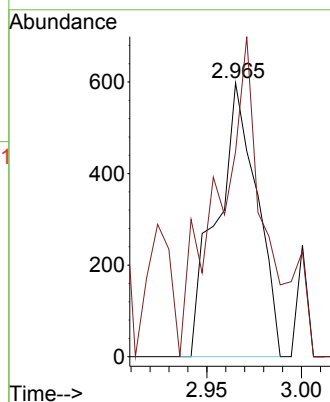
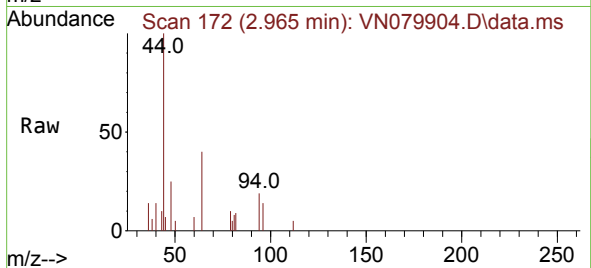




#5
Bromomethane
Concen: 0.400 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN079904.D
Acq: 04 Nov 2023 19:40

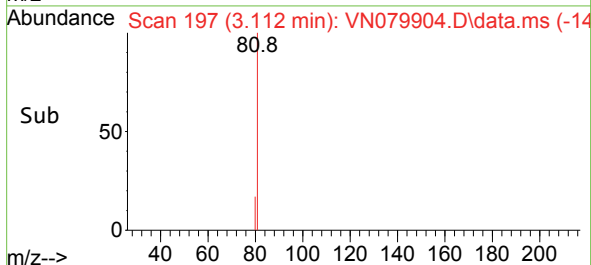
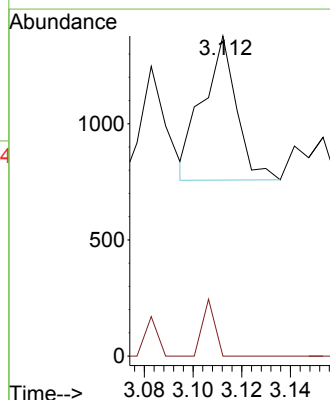
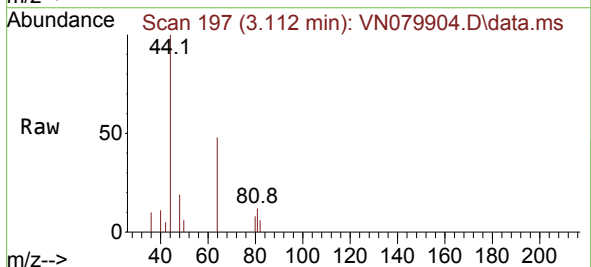
Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-4-20231031DL

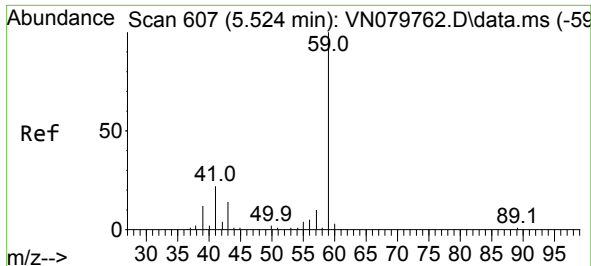
Tgt Ion: 94 Resp: 877
Ion Ratio Lower Upper
94 100
96 74.9 73.1 109.7



#6
Chloroethane
Concen: 0.208 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN079904.D
Acq: 04 Nov 2023 19:40

Tgt Ion: 64 Resp: 593
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

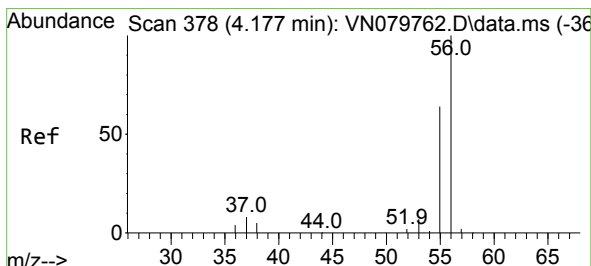
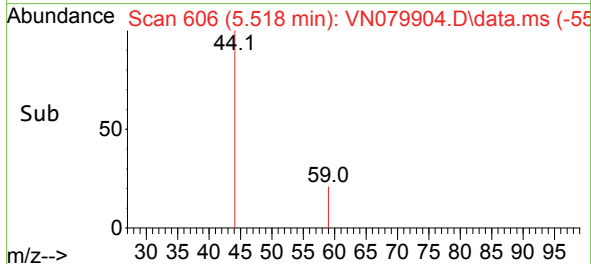
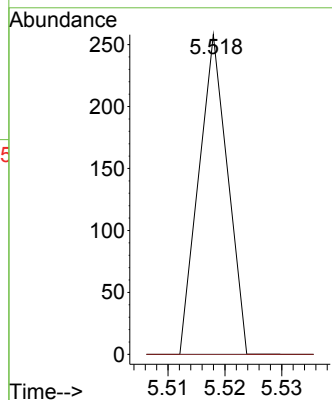
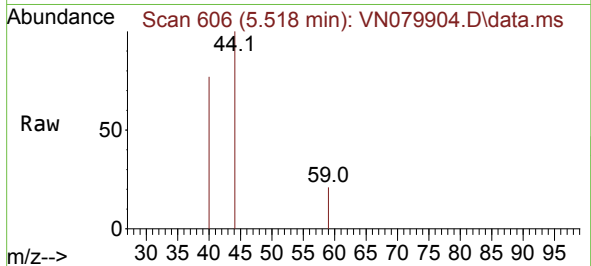




#11
Tert butyl alcohol
Concen: 0.205 ug/l
RT: 5.518 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN079904.D
Acq: 04 Nov 2023 19:40

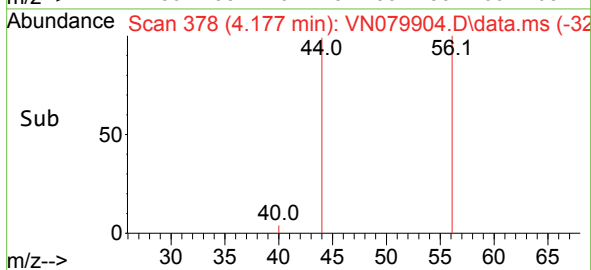
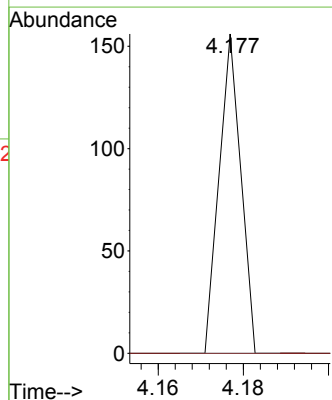
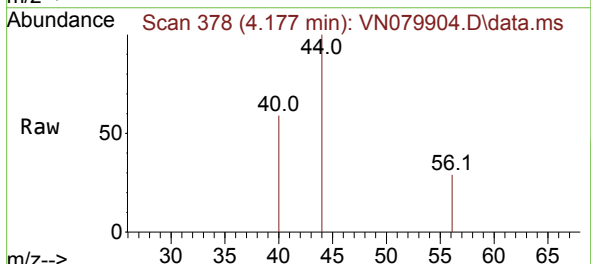
Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-4-20231031DL

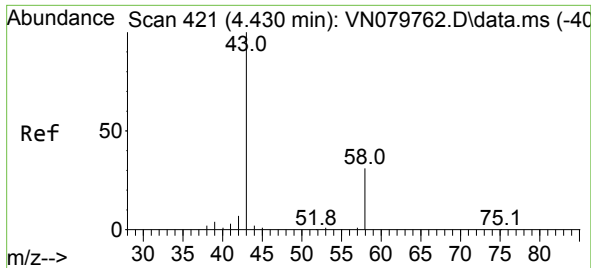
Tgt Ion: 59 Resp: 91
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 2.710 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.006 min
Lab File: VN079904.D
Acq: 04 Nov 2023 19:40

Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#





#16

Acetone

Concen: 0.701 ug/l

RT: 4.442 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN079904.D

Acq: 04 Nov 2023 19:40

Instrument :

MSVOA_N

ClientSampleId :

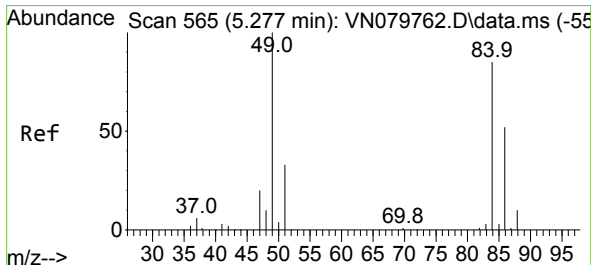
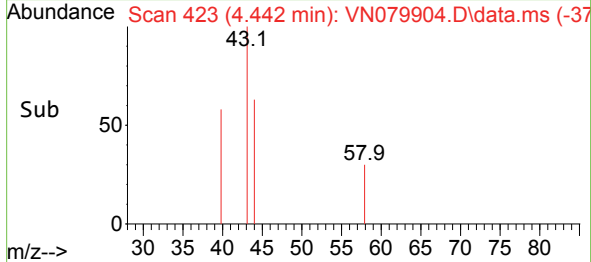
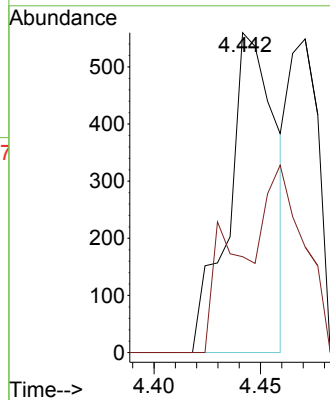
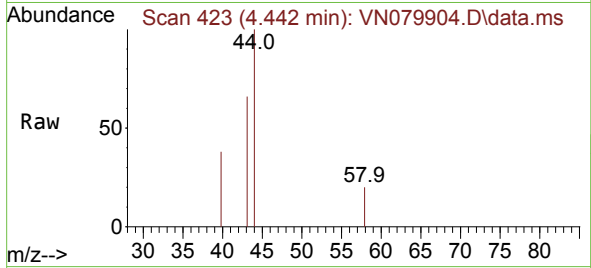
FSND-GEP-4-20231031DL

Tgt Ion: 43 Resp: 858

Ion Ratio Lower Upper

43 100

58 30.0 28.0 42.0



#20

Methylene Chloride

Concen: 0.262 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.006 min

Lab File: VN079904.D

Acq: 04 Nov 2023 19:40

Tgt Ion: 84 Resp: 809

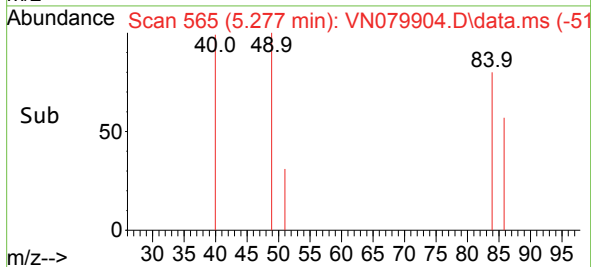
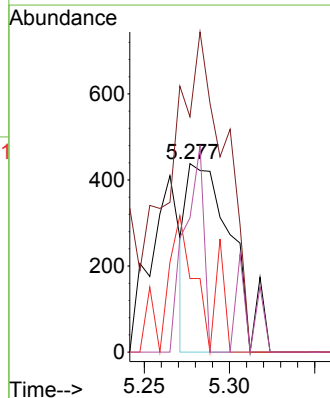
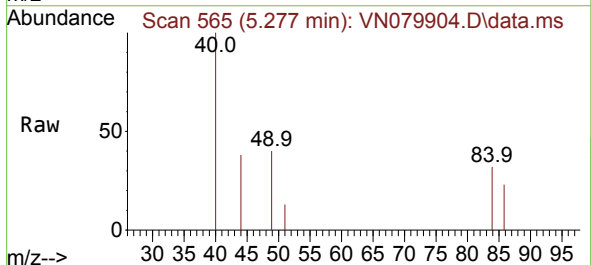
Ion Ratio Lower Upper

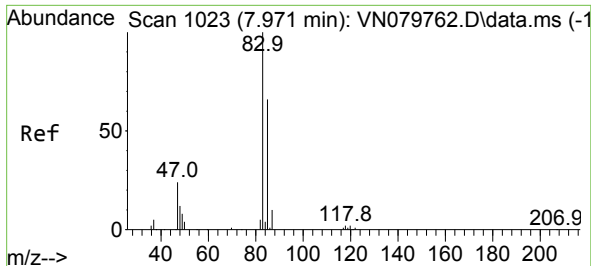
84 100

49 124.9 79.7 119.5#

51 39.0 25.2 37.8#

86 71.2 53.3 79.9

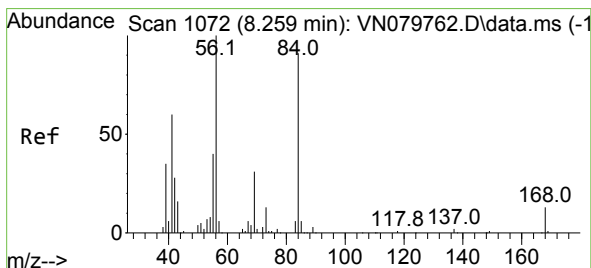
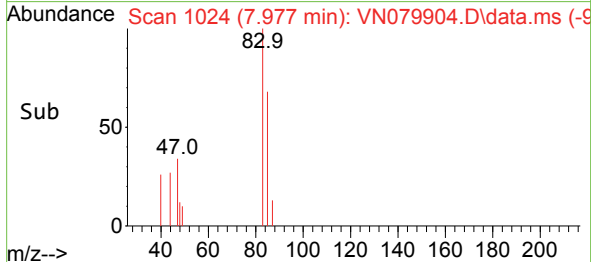
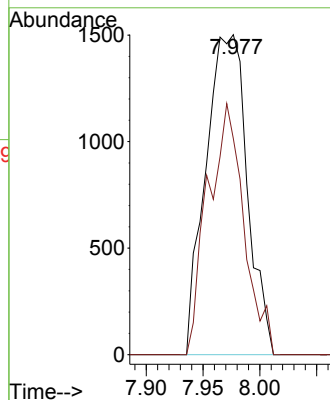
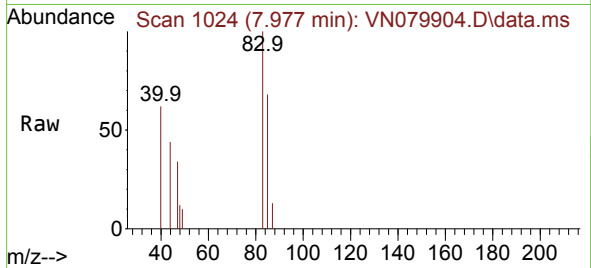




#30
Chloroform
Concen: 0.662 ug/l
RT: 7.977 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VN079904.D
Acq: 04 Nov 2023 19:40

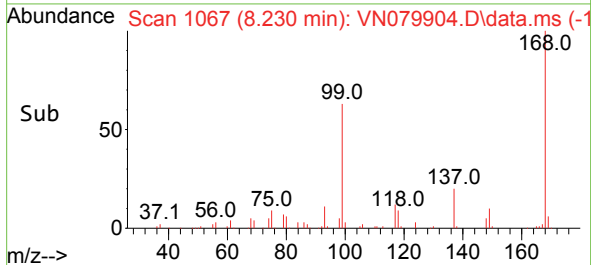
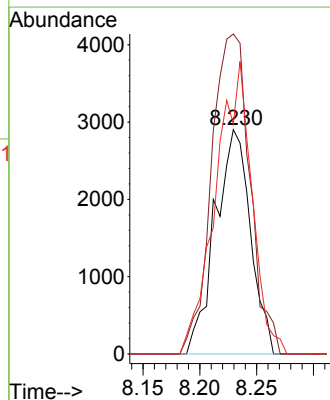
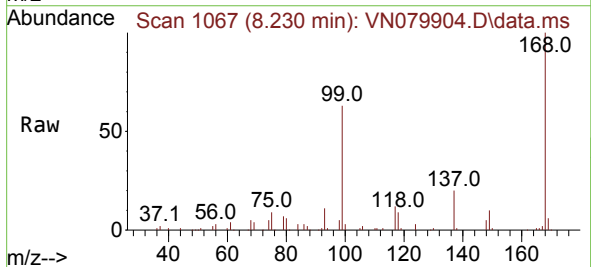
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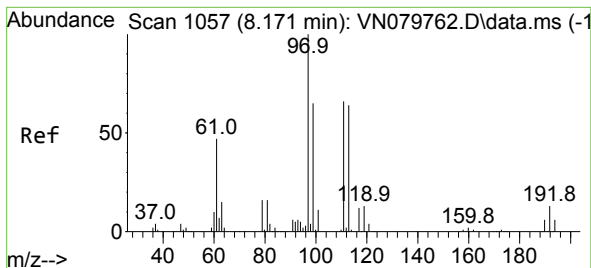
Tgt Ion: 83 Resp: 3822
Ion Ratio Lower Upper
83 100
85 67.6 55.4 83.0



#31
Cyclohexane
Concen: 1.361 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN079904.D
Acq: 04 Nov 2023 19:40

Tgt Ion: 56 Resp: 6271
Ion Ratio Lower Upper
56 100
69 142.7 26.8 40.2#
84 102.5 81.8 122.6





#32

1,1,1-Trichloroethane

Concen: 1.970 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079904.D

Acq: 04 Nov 2023 19:40

Instrument :

MSVOA_N

ClientSampleId :

FSND-GEP-4-20231031DL

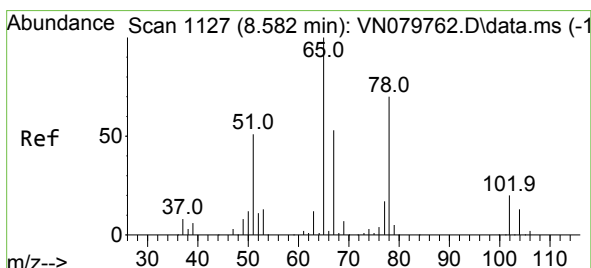
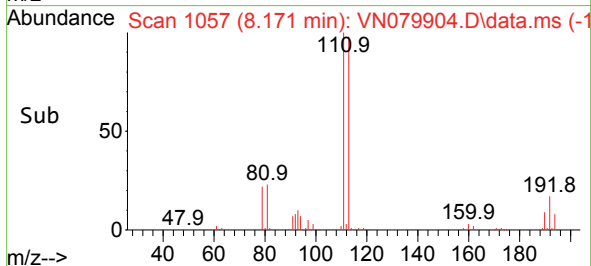
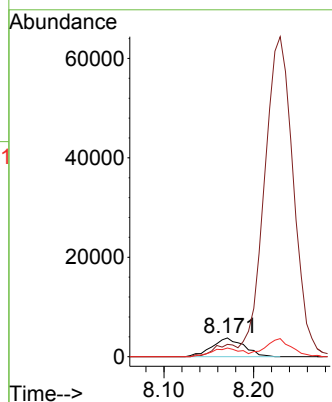
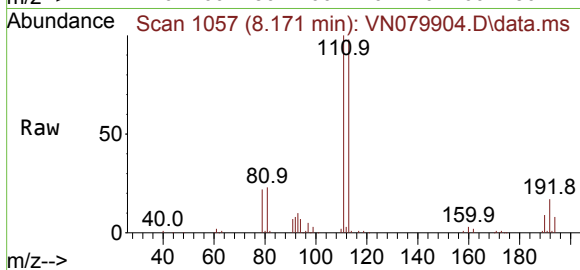
Tgt Ion: 97 Resp: 9264

Ion Ratio Lower Upper

97 100

99 0.0 50.3 75.5#

61 42.3 34.7 52.1



#33

1,2-Dichloroethane-d4

Concen: 57.945 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079904.D

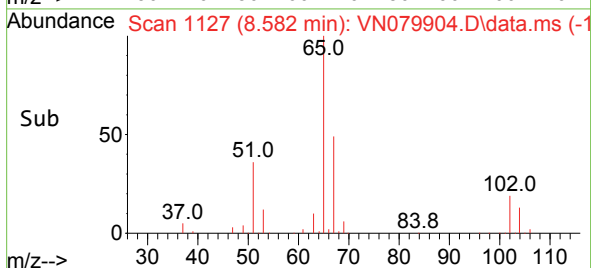
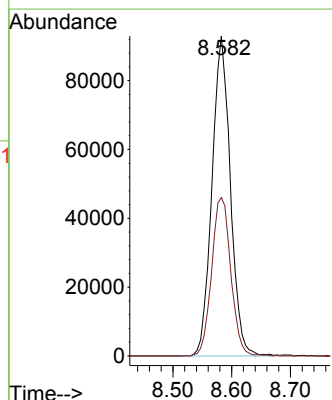
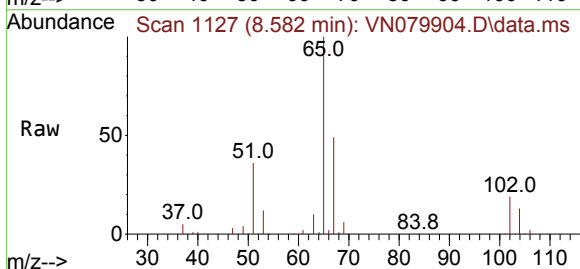
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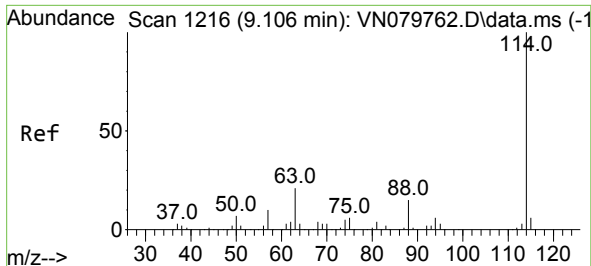
Tgt Ion: 65 Resp: 201980

Ion Ratio Lower Upper

65 100

67 51.6 0.0 106.6

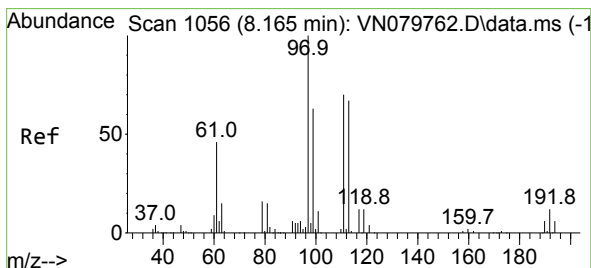
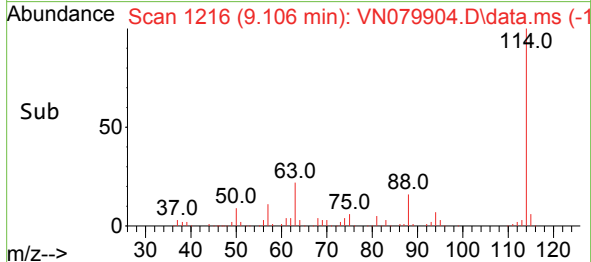
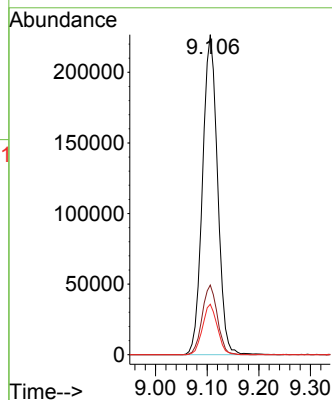
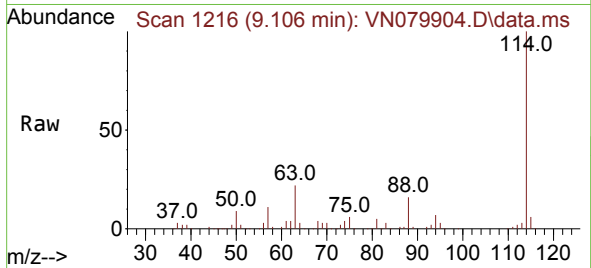




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079904.D
Acq: 04 Nov 2023 19:40

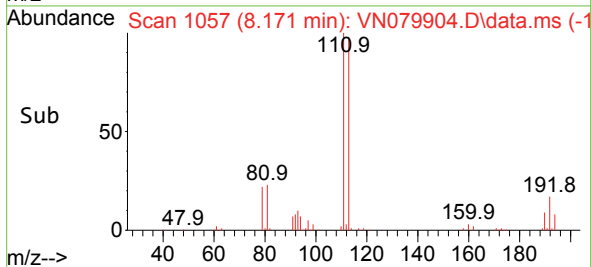
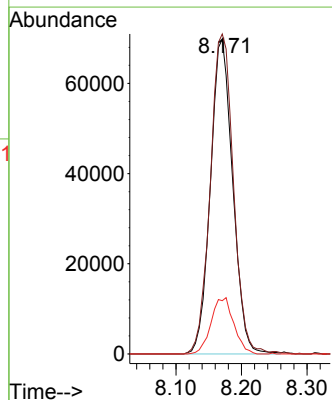
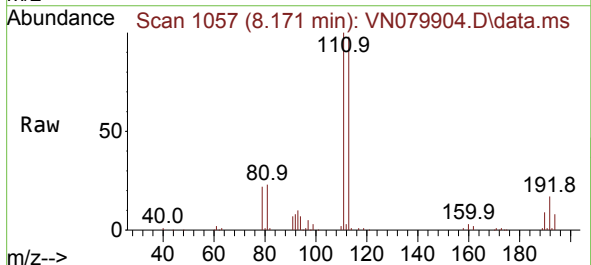
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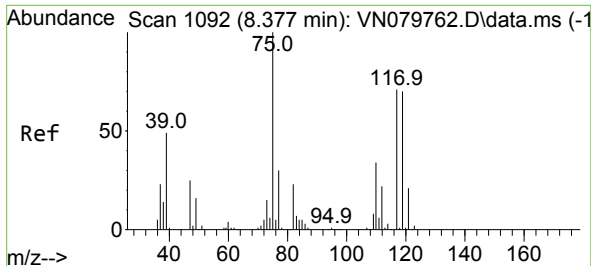
Tgt Ion:114 Resp: 457187
Ion Ratio Lower Upper
114 100
63 21.7 0.0 36.4
88 15.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.929 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079904.D
Acq: 04 Nov 2023 19:40

Tgt Ion:113 Resp: 164795
Ion Ratio Lower Upper
113 100
111 105.5 82.6 123.8
192 18.3 12.7 19.1

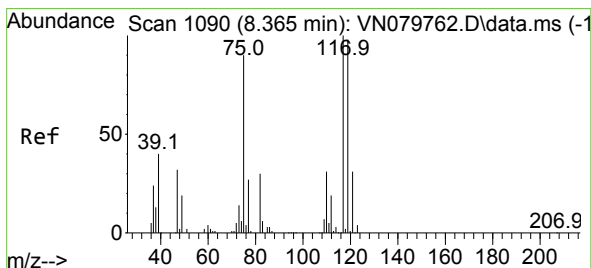
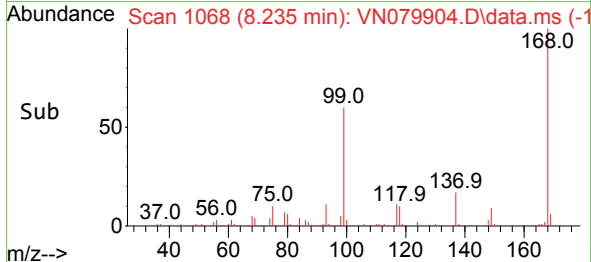
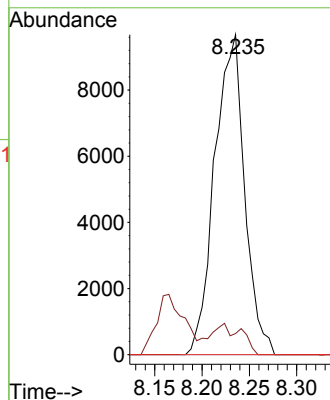
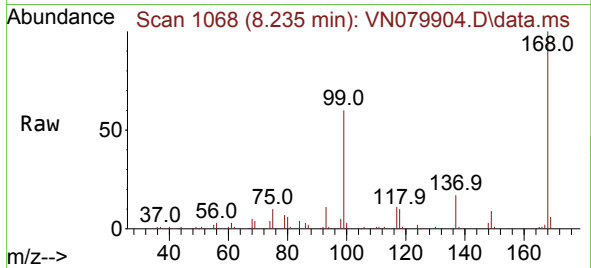




#36
1,1-Dichloropropene
Concen: 4.600 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN079904.D
Acq: 04 Nov 2023 19:40

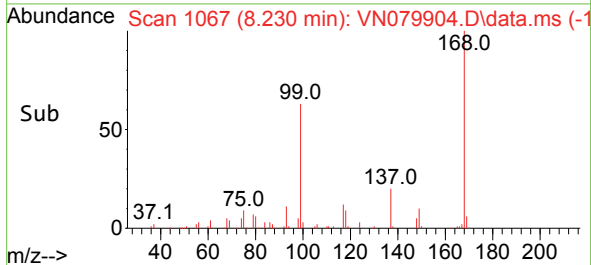
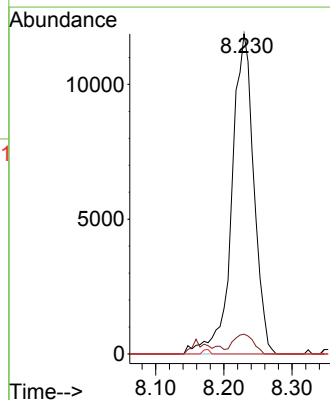
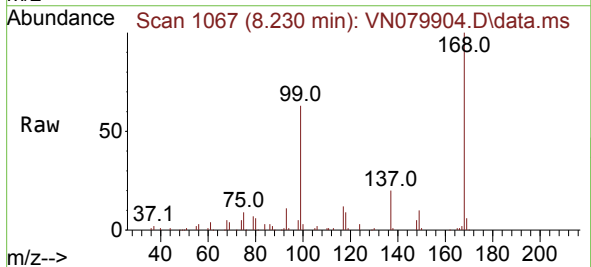
Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-4-20231031DL

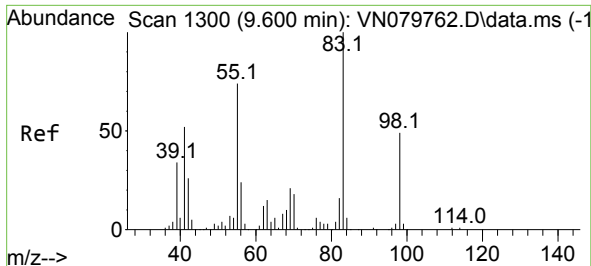
Tgt Ion: 75 Resp: 21251
Ion Ratio Lower Upper
75 100
110 8.7 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.721 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN079904.D
Acq: 04 Nov 2023 19:40

Tgt Ion: 117 Resp: 26637
Ion Ratio Lower Upper
117 100
119 6.2 77.3 115.9#
121 0.0 23.3 34.9#





#39

Methylcyclohexane

Concen: 0.533 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.247 min

Lab File: VN079904.D

Acq: 04 Nov 2023 19:40

Instrument :

MSVOA_N

ClientSampleId :

FSND-GEP-4-20231031DL

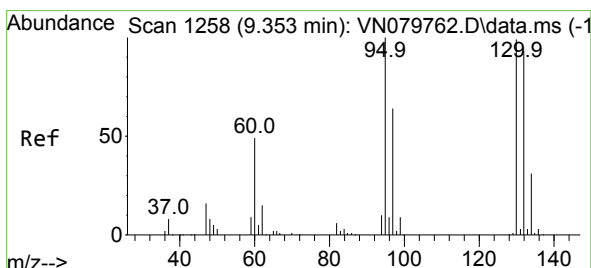
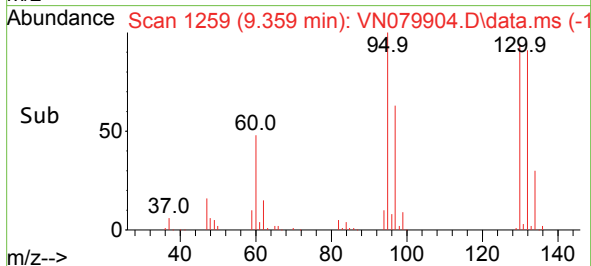
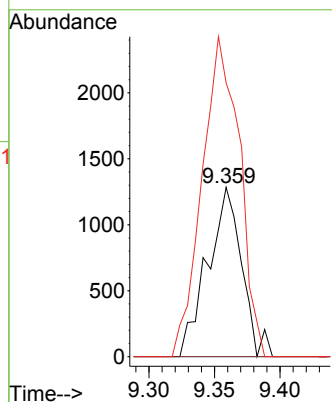
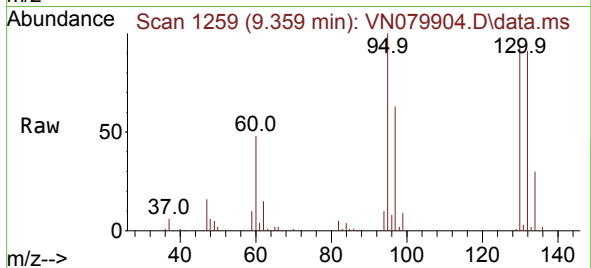
Tgt Ion: 83 Resp: 2317

Ion Ratio Lower Upper

83 100

55 0.0 49.1 73.7#

98 161.7 40.6 61.0#



#44

Trichloroethene

Concen: 49.893 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.006 min

Lab File: VN079904.D

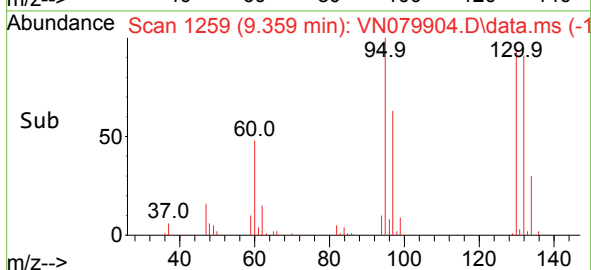
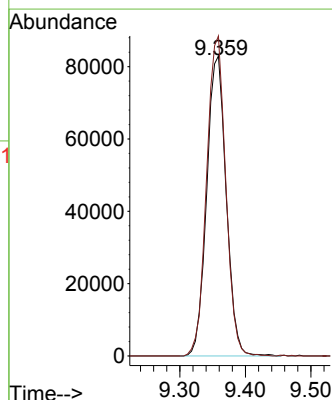
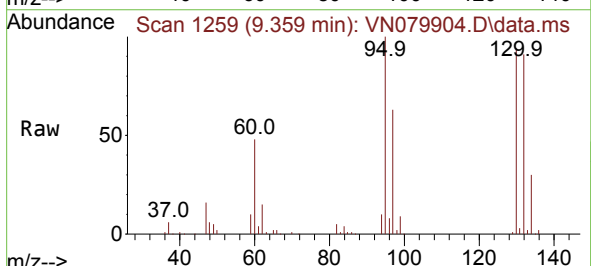
Acq: 04 Nov 2023 19:40

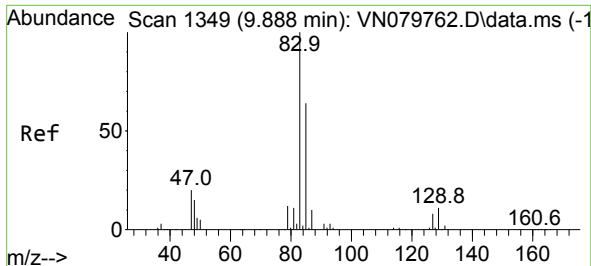
Tgt Ion:130 Resp: 171323

Ion Ratio Lower Upper

130 100

95 106.7 0.0 204.6

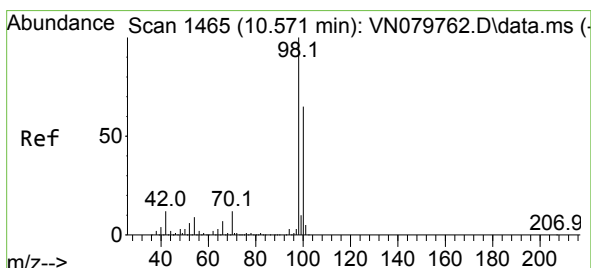
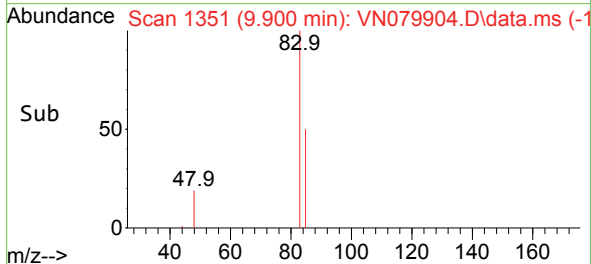
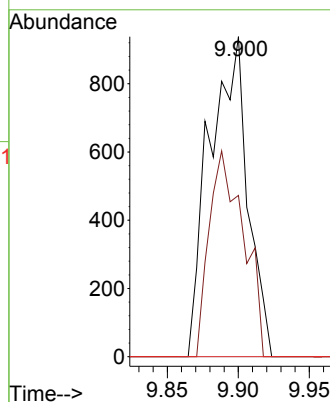
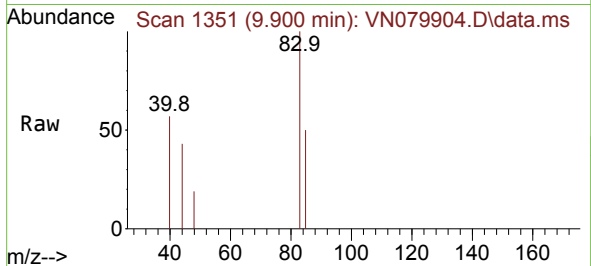




#47
Bromodichloromethane
Concen: 0.340 ug/l
RT: 9.900 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN079904.D
Acq: 04 Nov 2023 19:40

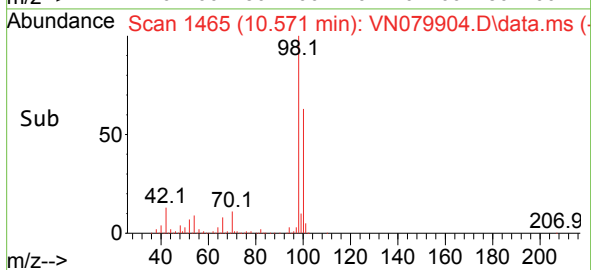
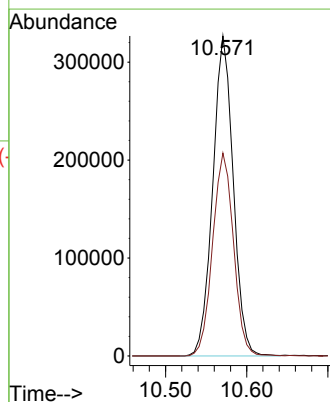
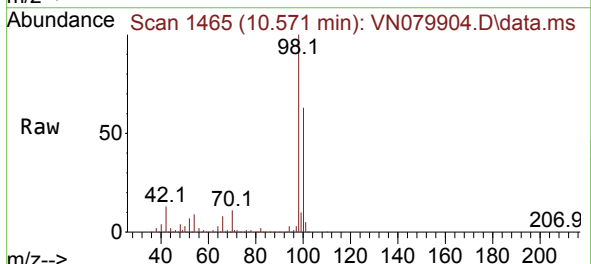
Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-4-20231031DL

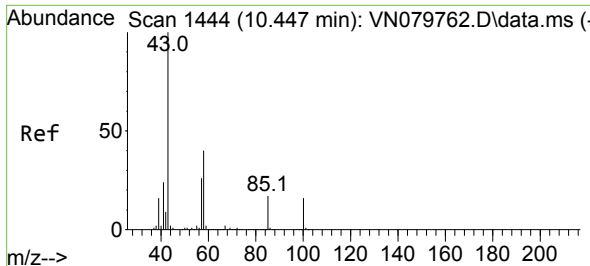
Tgt Ion: 83 Resp: 1752
Ion Ratio Lower Upper
83 100
85 50.4 49.6 74.4
127 0.0 7.0 10.6#



#50
Toluene-d8
Concen: 48.142 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079904.D
Acq: 04 Nov 2023 19:40

Tgt Ion: 98 Resp: 573471
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0

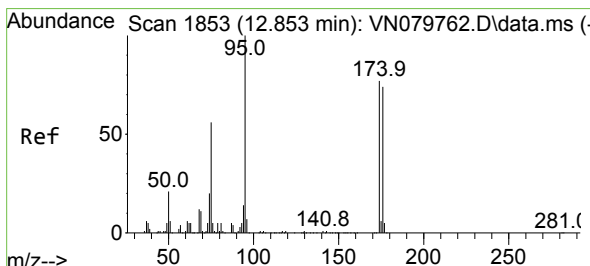
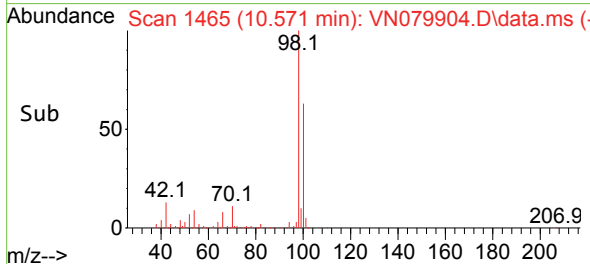
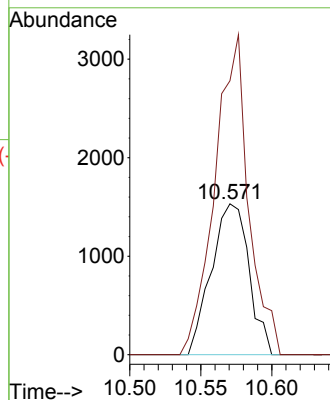
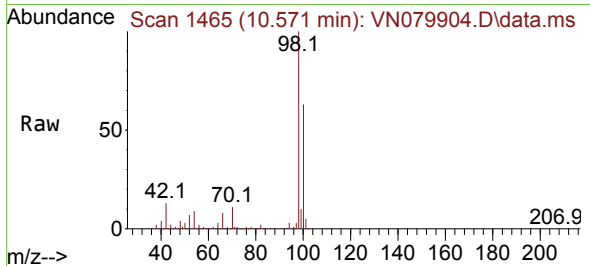




#51
4-Methyl-2-Pentanone
Concen: 0.676 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.124 min
Lab File: VN079904.D
Acq: 04 Nov 2023 19:40

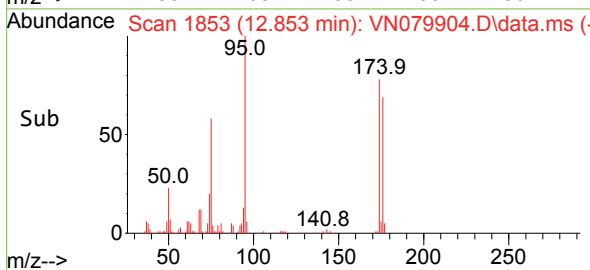
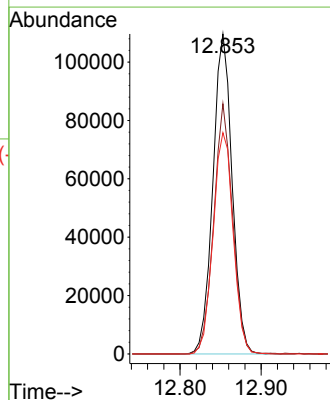
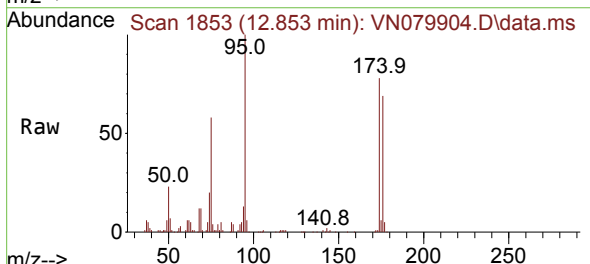
Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-4-20231031DL

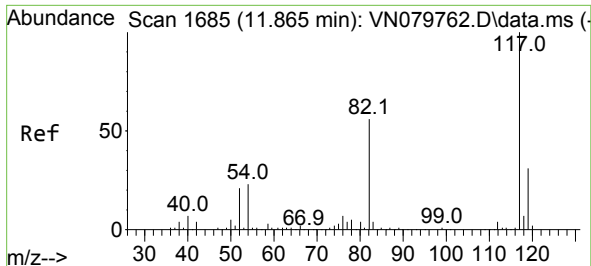
Tgt Ion: 43 Resp: 2828
Ion Ratio Lower Upper
43 100
58 190.0 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 45.637 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079904.D
Acq: 04 Nov 2023 19:40

Tgt Ion: 95 Resp: 180295
Ion Ratio Lower Upper
95 100
174 76.8 0.0 143.8
176 72.2 0.0 135.8

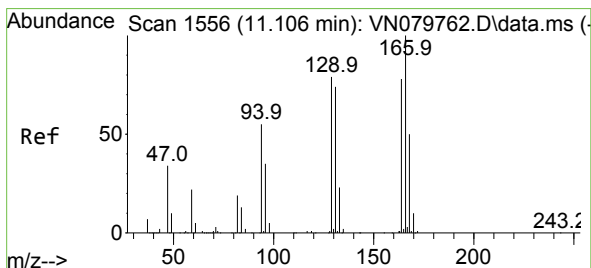
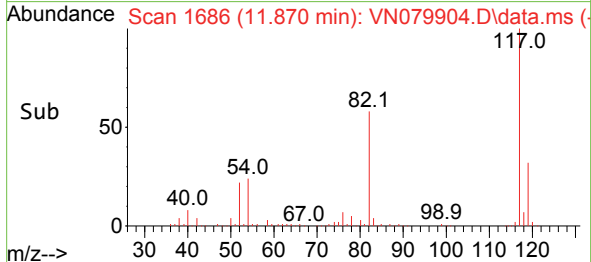
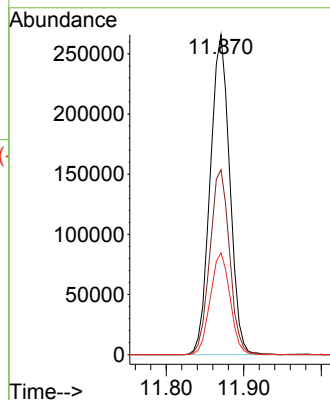
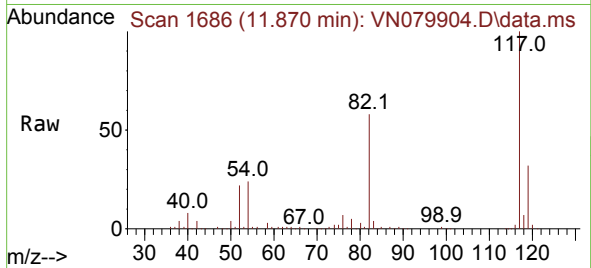




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN079904.D
Acq: 04 Nov 2023 19:40

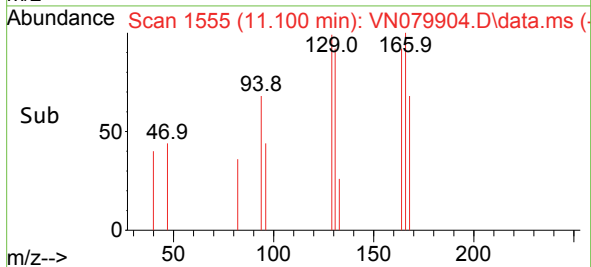
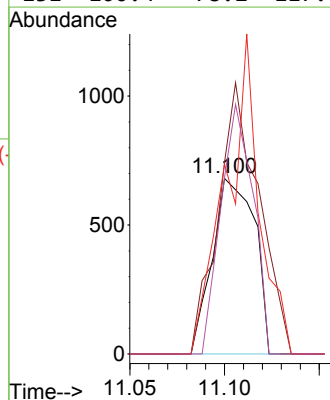
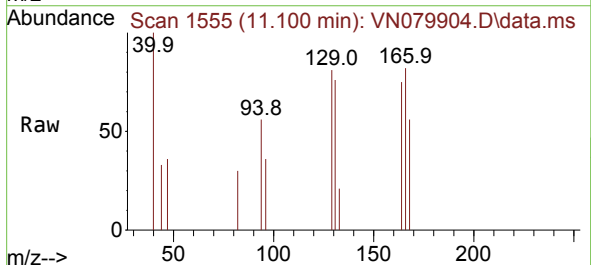
Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-4-20231031DL

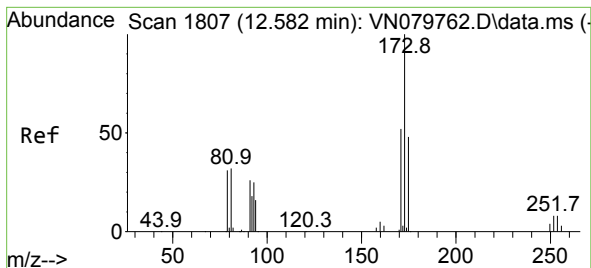
Tgt Ion:117 Resp: 465748
Ion Ratio Lower Upper
117 100
82 57.8 44.0 66.0
119 31.8 25.6 38.4



#64
Tetrachloroethene
Concen: 0.349 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.006 min
Lab File: VN079904.D
Acq: 04 Nov 2023 19:40

Tgt Ion:164 Resp: 1053
Ion Ratio Lower Upper
164 100
166 109.0 101.4 152.0
129 108.1 82.4 123.6
131 100.4 78.2 117.4





#71

Bromoform

Concen: 0.719 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN079904.D

Acq: 04 Nov 2023 19:40

Instrument :

MSVOA_N

ClientSampleId :

FSND-GEP-4-20231031DL

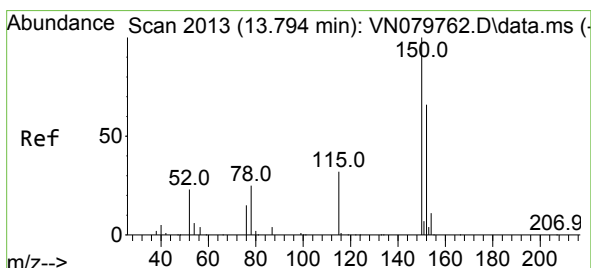
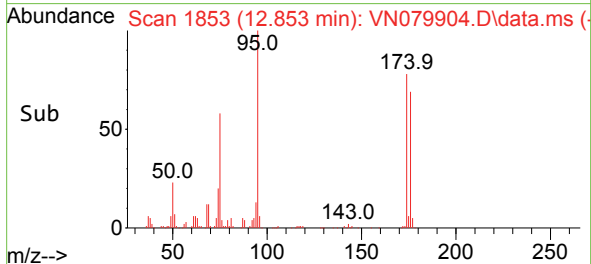
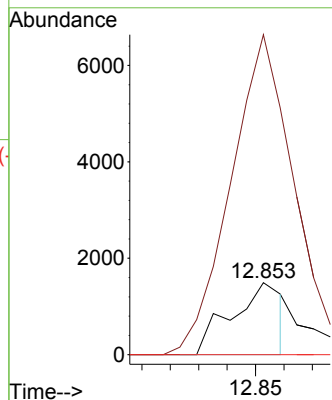
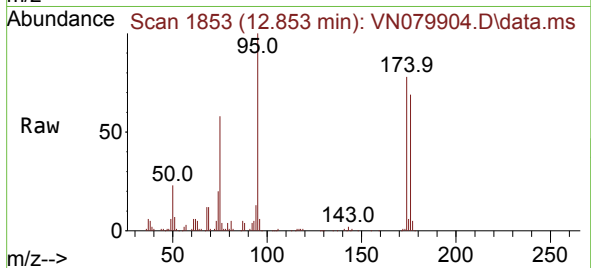
Tgt Ion:173 Resp: 1859

Ion Ratio Lower Upper

173 100

175 441.6 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: VN079904.D

Acq: 04 Nov 2023 19:40

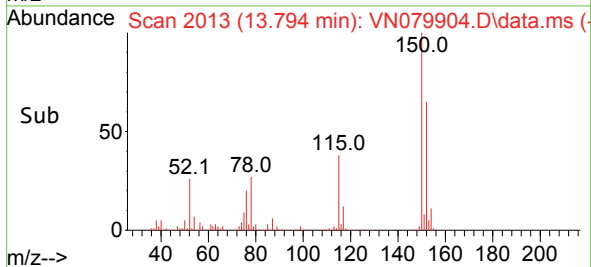
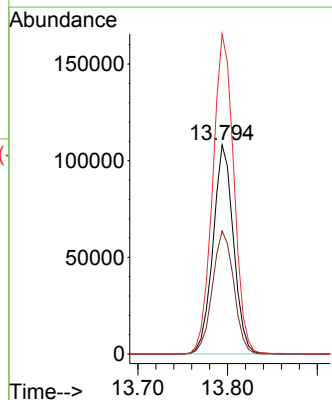
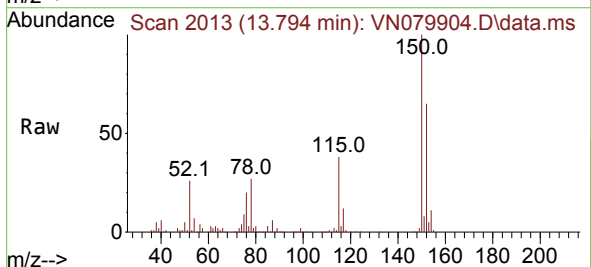
Tgt Ion:152 Resp: 171083

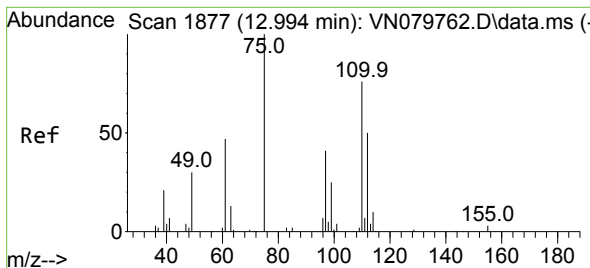
Ion Ratio Lower Upper

152 100

115 61.4 32.3 96.8

150 158.6 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 24.683 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079904.D

Acq: 04 Nov 2023 19:40

Instrument :

MSVOA_N

ClientSampleId :

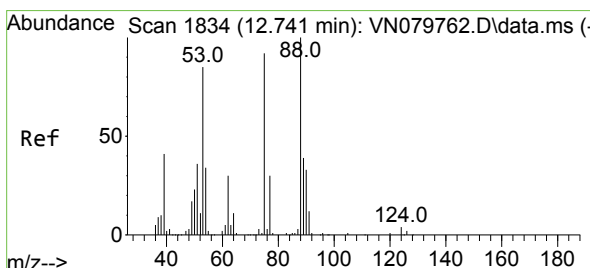
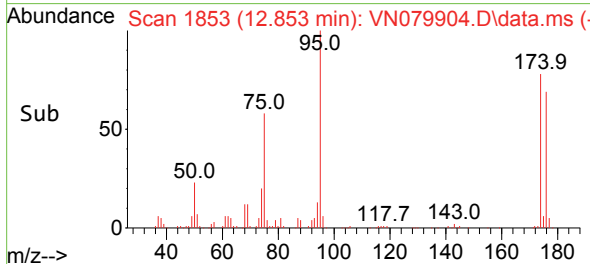
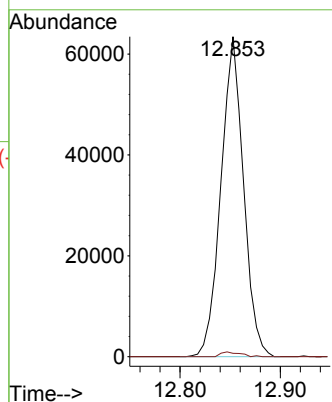
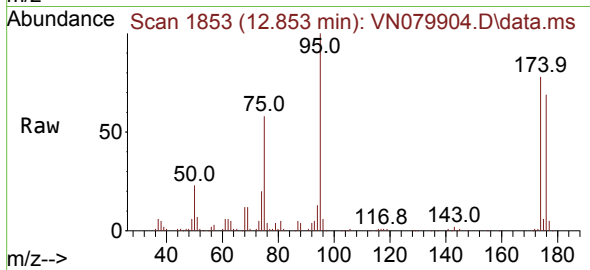
FSND-GEP-4-20231031DL

Tgt Ion: 75 Resp: 99138

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.155 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN079904.D

Acq: 04 Nov 2023 19:40

Tgt Ion: 75 Resp: 99138

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#

