

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110423\
 Data File : VN079902.D
 Acq On : 04 Nov 2023 18:52
 Operator : JC\MD
 Sample : 05223-02DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-GEP-3-20231031DL

Quant Time: Nov 06 02:18:02 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)

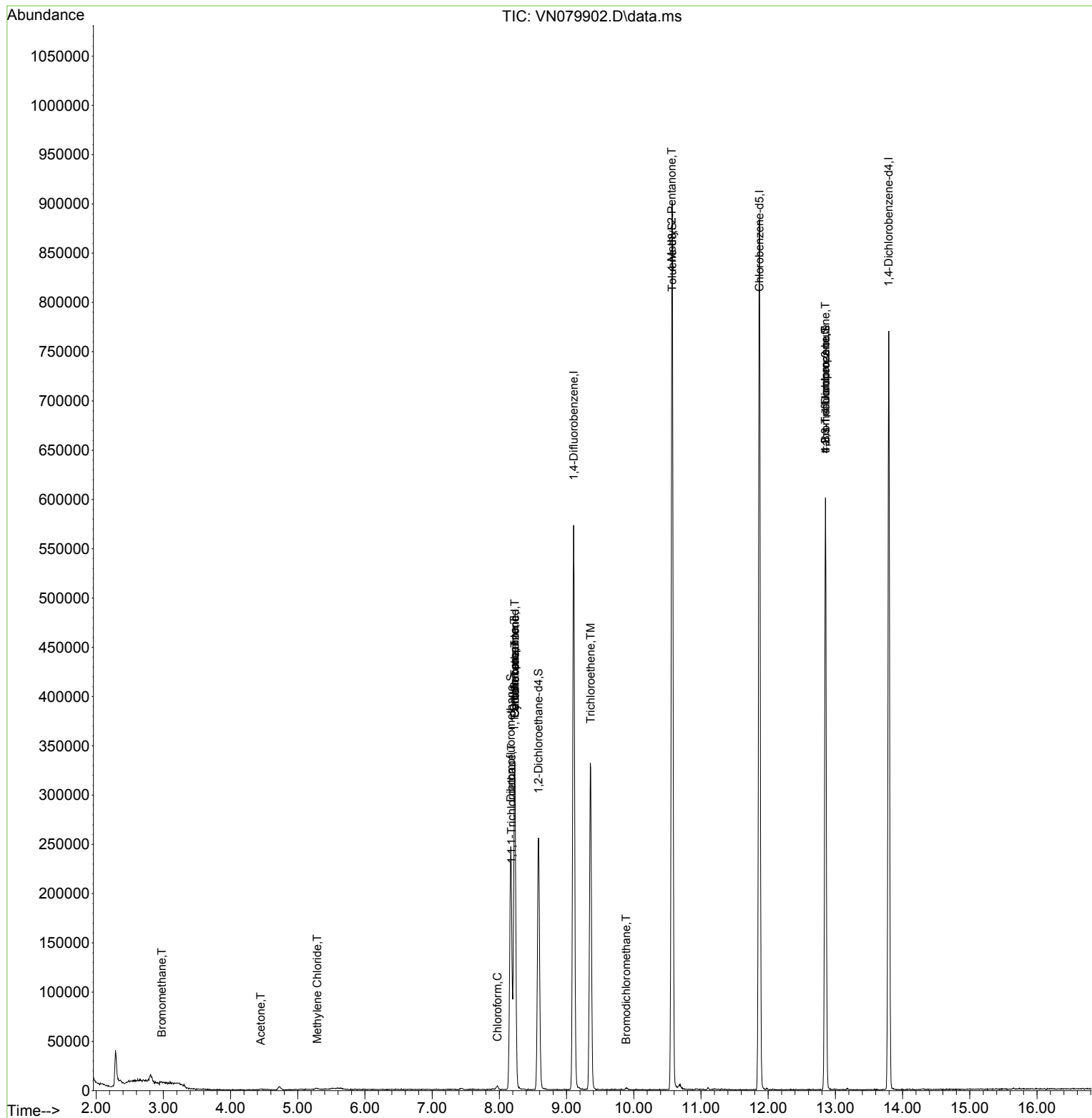
Internal Standards						
1) Pentafluorobenzene	8.229	168	231520	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	467919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	489061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	192661	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	211029	59.828	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 119.660%	
35) Dibromofluoromethane	8.171	113	175216	52.908	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.820%	
50) Toluene-d8	10.571	98	598690	49.106	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.220%	
62) 4-Bromofluorobenzene	12.853	95	202636	50.115	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.240%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	1106	Below Cal	#	42
5) Bromomethane	2.977	94	965	0.435	ug/l #	46
16) Acetone	4.447	43	782	0.631	ug/l #	40
20) Methylene Chloride	5.289	84	861	0.275	ug/l #	57
30) Chloroform	7.971	83	3611	0.618	ug/l	96
31) Cyclohexane	8.229	56	6693	1.436	ug/l #	25
32) 1,1,1-Trichloroethane	8.182	97	2397	0.504	ug/l #	46
36) 1,1-Dichloropropene	8.224	75	21194	4.482	ug/l #	46
38) Carbon Tetrachloride	8.229	117	24717	5.187	ug/l #	15
44) Trichloroethene	9.359	130	116265	33.082	ug/l	97
47) Bromodichloromethane	9.888	83	1695	0.322	ug/l #	66
51) 4-Methyl-2-Pentanone	10.565	43	2722	0.636	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	109863	24.289	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	109863	66.085	ug/l #	15

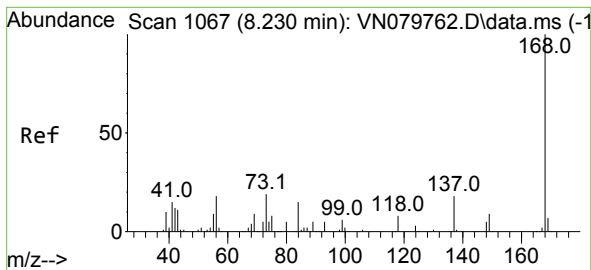
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. 0.001 min

Lab File: VN079902.D

Acq: 04 Nov 2023 18:52

Instrument :

MSVOA_N

ClientSampleId :

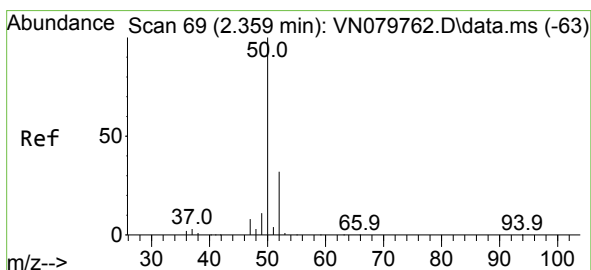
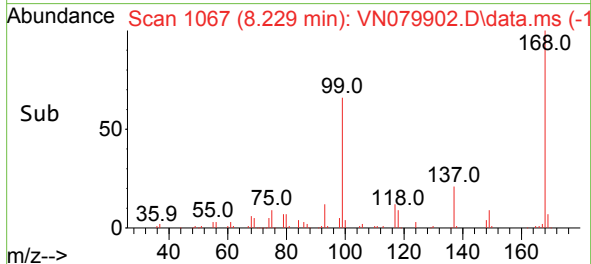
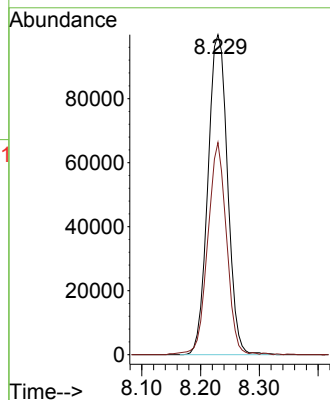
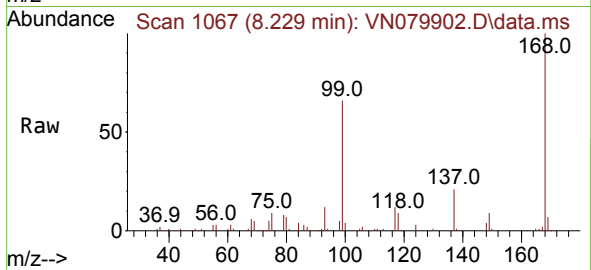
FSND-GEP-3-20231031DL

Tgt Ion:168 Resp: 231520

Ion Ratio Lower Upper

168 100

99 66.1 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.353 min Scan# 68

Delta R.T. -0.006 min

Lab File: VN079902.D

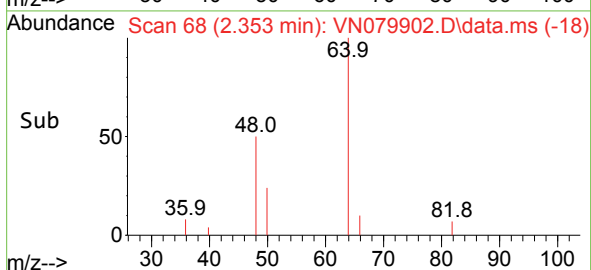
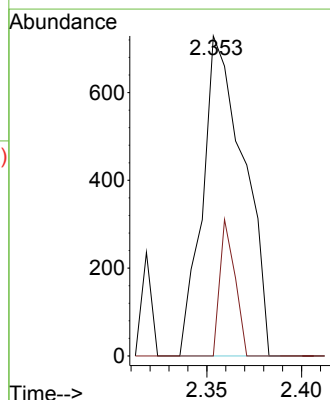
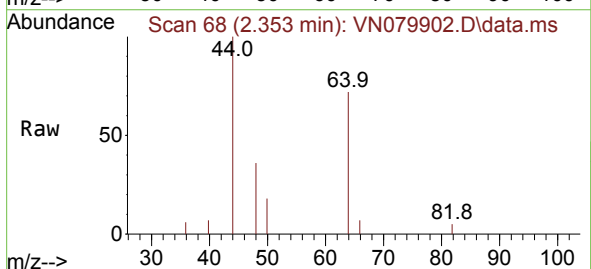
Acq: 04 Nov 2023 18:52

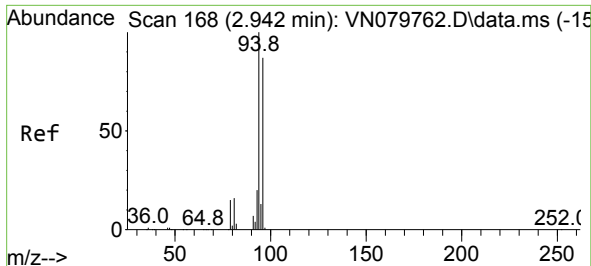
Tgt Ion: 50 Resp: 1106

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

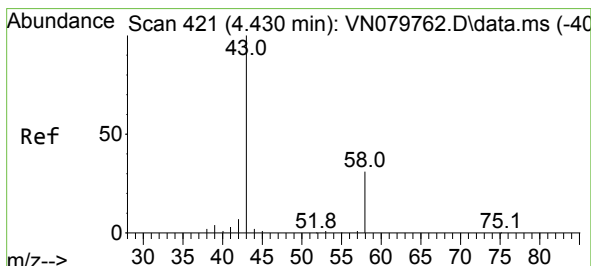
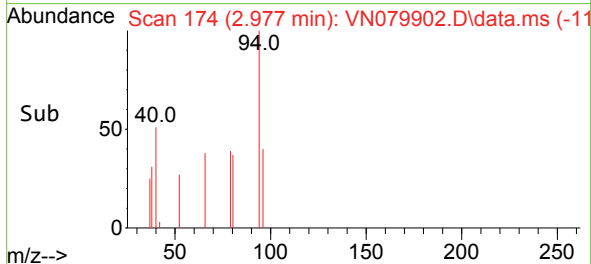
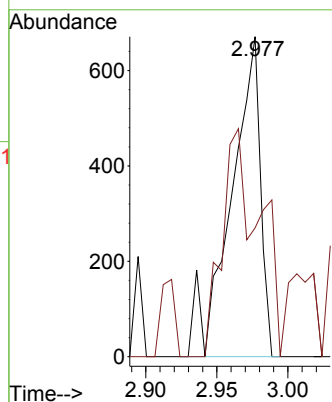
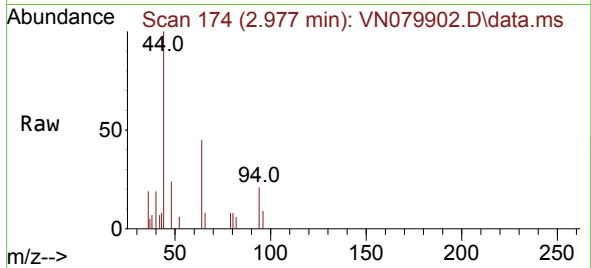




#5
Bromomethane
Concen: 0.435 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN079902.D
Acq: 04 Nov 2023 18:52

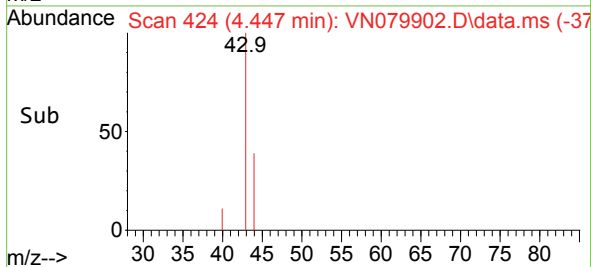
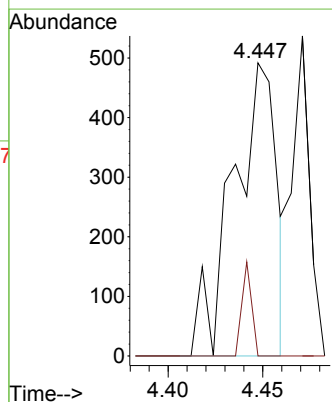
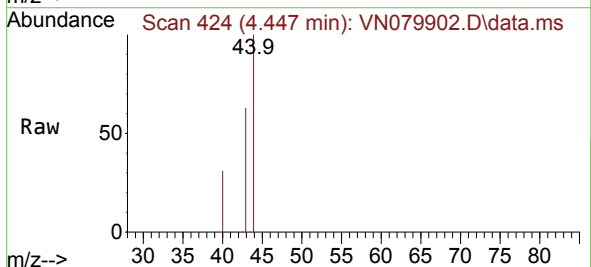
Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-3-20231031DL

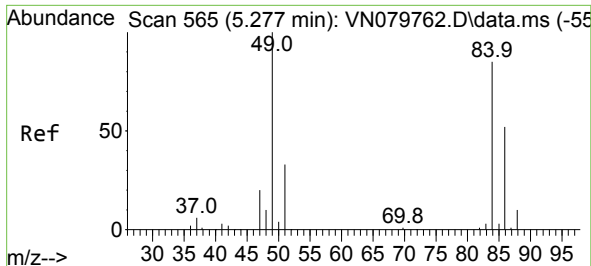
Tgt Ion: 94 Resp: 965
Ion Ratio Lower Upper
94 100
96 40.2 73.1 109.7#



#16
Acetone
Concen: 0.631 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN079902.D
Acq: 04 Nov 2023 18:52

Tgt Ion: 43 Resp: 782
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

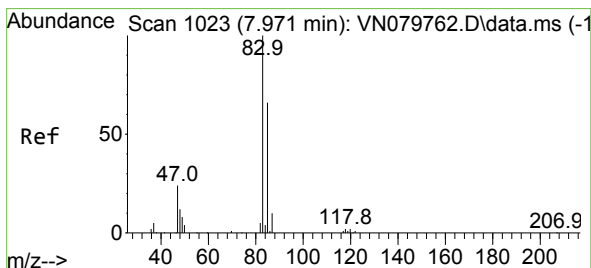
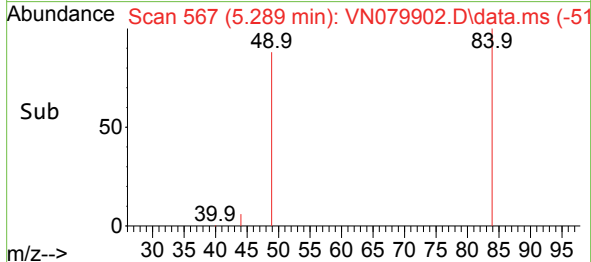
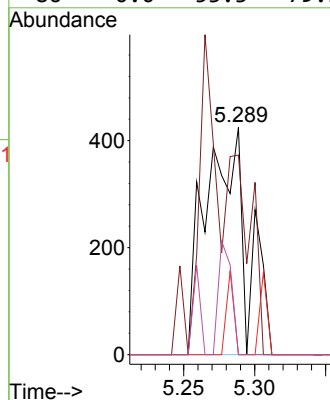
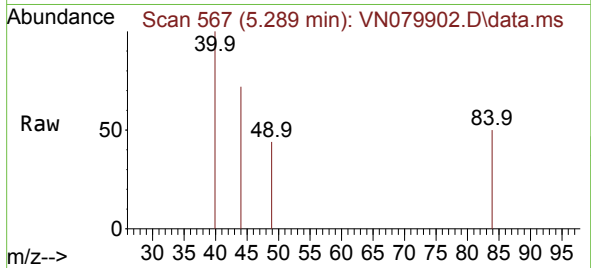




#20
Methylene Chloride
Concen: 0.275 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN079902.D
Acq: 04 Nov 2023 18:52

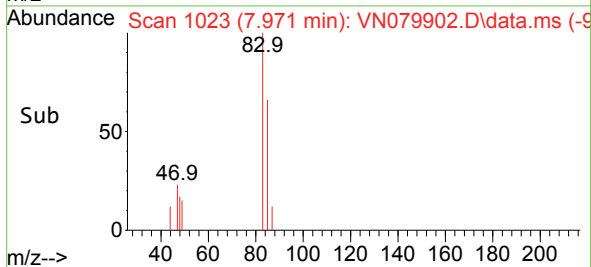
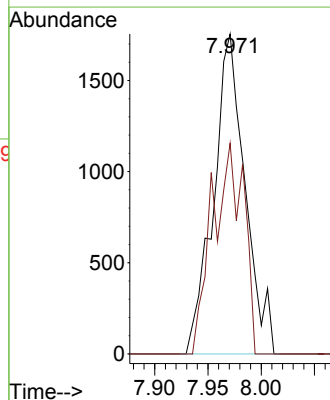
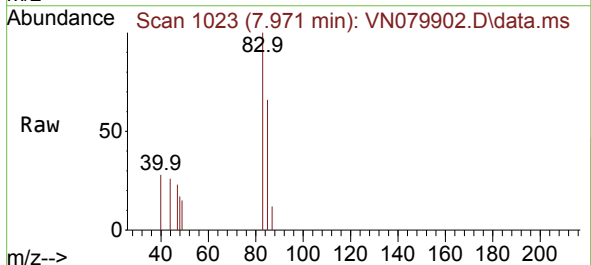
Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-3-20231031DL

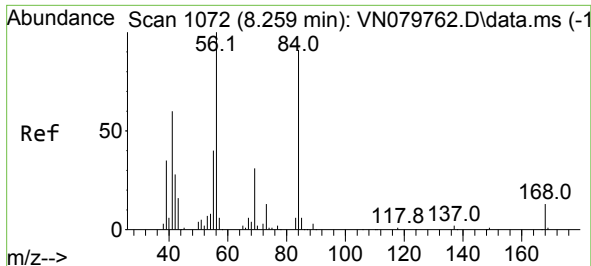
Tgt Ion:	84	Resp:	861
Ion	Ratio	Lower	Upper
84	100		
49	87.8	79.7	119.5
51	0.0	25.2	37.8#
86	0.0	53.3	79.9#



#30
Chloroform
Concen: 0.618 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.000 min
Lab File: VN079902.D
Acq: 04 Nov 2023 18:52

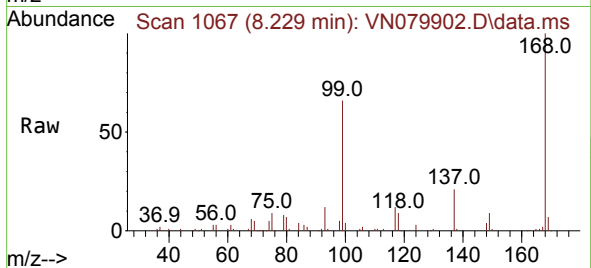
Tgt Ion:	83	Resp:	3611
Ion	Ratio	Lower	Upper
83	100		
85	65.9	55.4	83.0



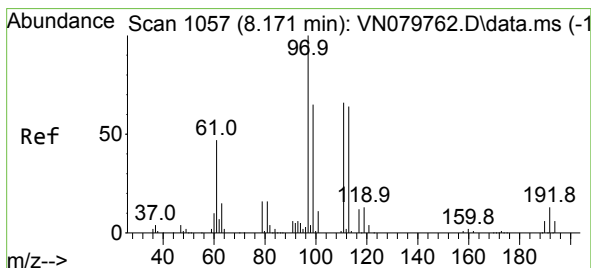
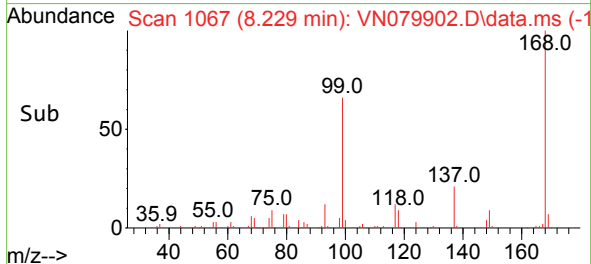
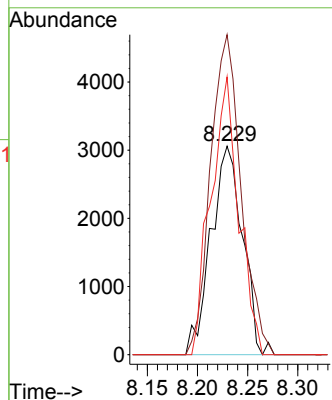


#31
Cyclohexane
Concen: 1.436 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN079902.D
Acq: 04 Nov 2023 18:52

Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-3-20231031DL

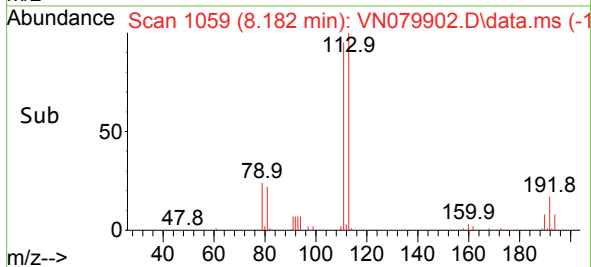
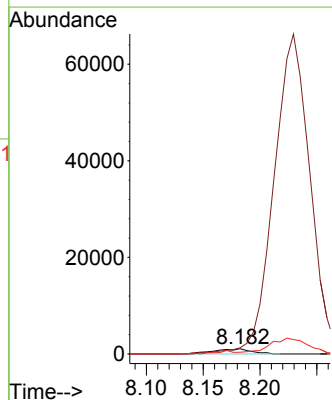
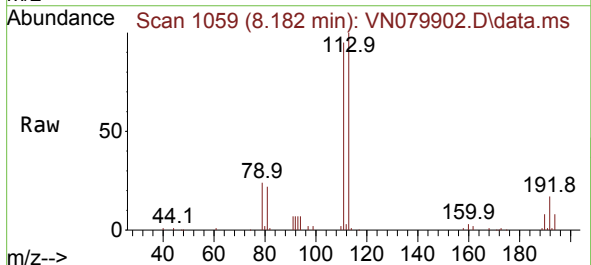


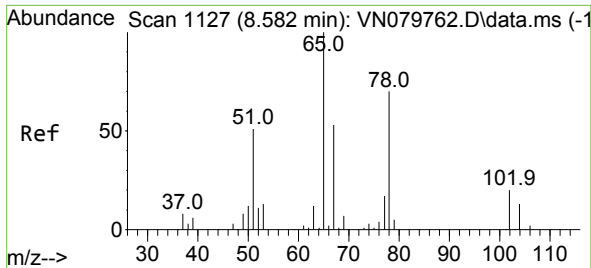
Tgt Ion: 56 Resp: 6693
Ion Ratio Lower Upper
56 100
69 153.5 26.8 40.2#
84 133.3 81.8 122.6#



#32
1,1,1-Trichloroethane
Concen: 0.504 ug/l
RT: 8.182 min Scan# 1059
Delta R.T. 0.012 min
Lab File: VN079902.D
Acq: 04 Nov 2023 18:52

Tgt Ion: 97 Resp: 2397
Ion Ratio Lower Upper
97 100
99 0.0 50.3 75.5#
61 33.2 34.7 52.1#





#33

1,2-Dichloroethane-d4

Concen: 59.828 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079902.D

Acq: 04 Nov 2023 18:52

Instrument :

MSVOA_N

ClientSampleId :

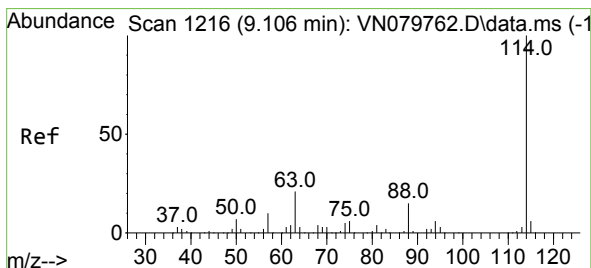
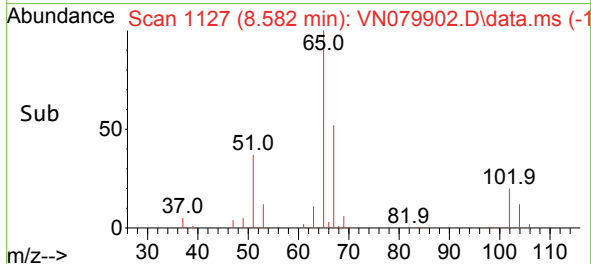
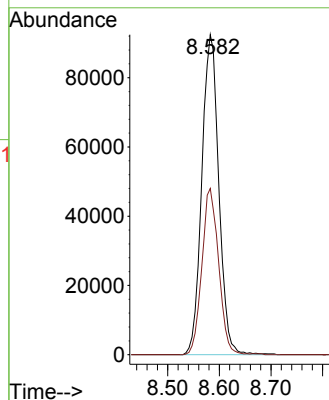
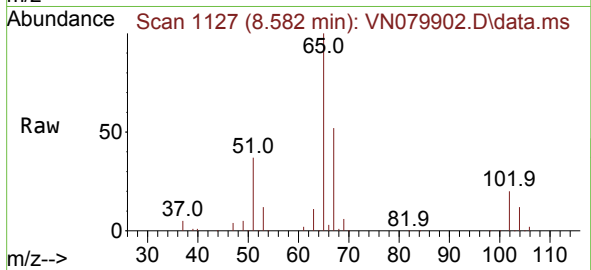
FSND-GEP-3-20231031DL

Tgt Ion: 65 Resp: 211029

Ion Ratio Lower Upper

65 100

67 51.1 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: VN079902.D

Acq: 04 Nov 2023 18:52

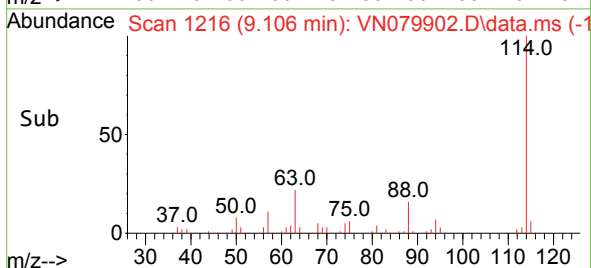
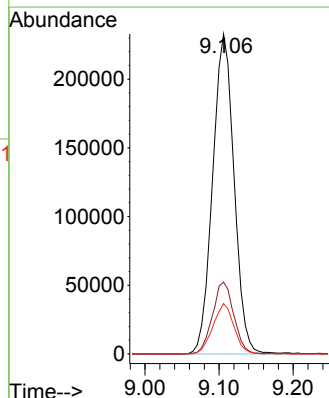
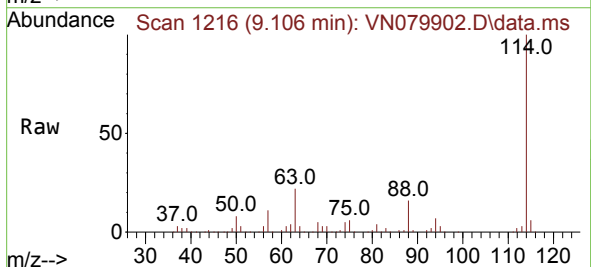
Tgt Ion: 114 Resp: 467919

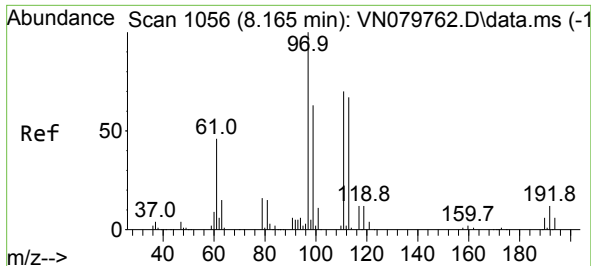
Ion Ratio Lower Upper

114 100

63 22.4 0.0 36.4

88 15.8 0.0 30.6

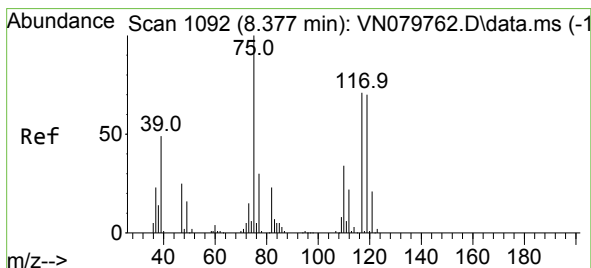
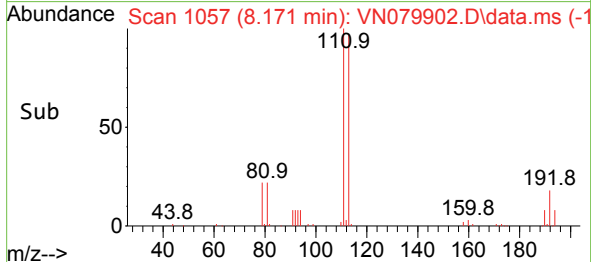
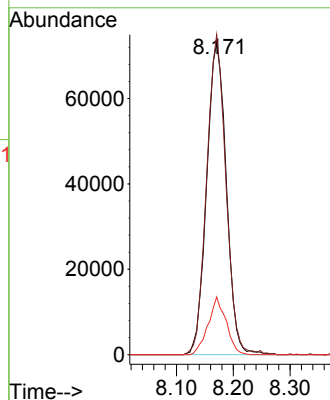
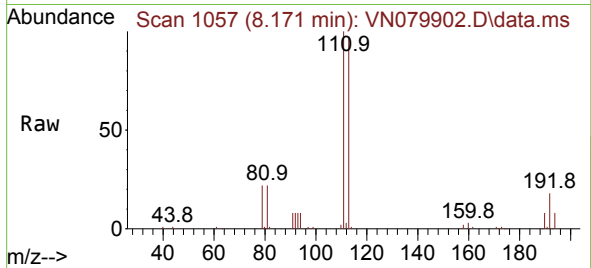




#35
Dibromofluoromethane
Concen: 52.908 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN079902.D
Acq: 04 Nov 2023 18:52

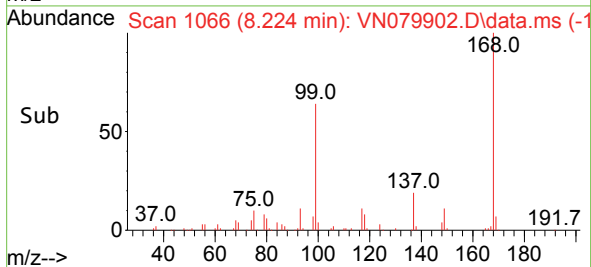
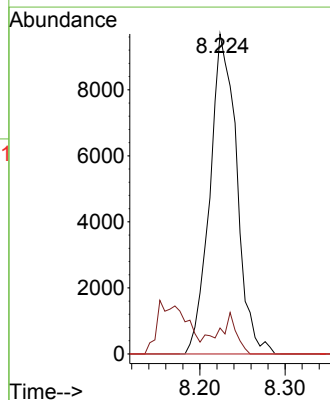
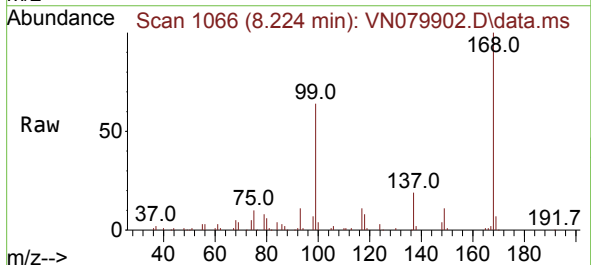
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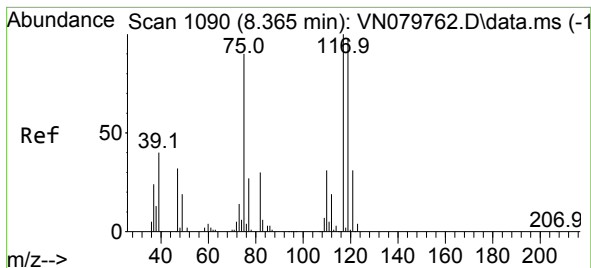
Tgt Ion:113 Resp: 175216
Ion Ratio Lower Upper
113 100
111 100.6 82.6 123.8
192 17.0 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.482 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079902.D
Acq: 04 Nov 2023 18:52

Tgt Ion: 75 Resp: 21194
Ion Ratio Lower Upper
75 100
110 7.3 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.187 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.129 min

Lab File: VN079902.D

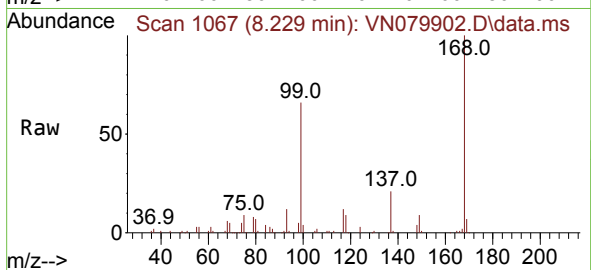
Acq: 04 Nov 2023 18:52

Instrument :

MSVOA_N

ClientSampleId :

FSND-GEP-3-20231031DL



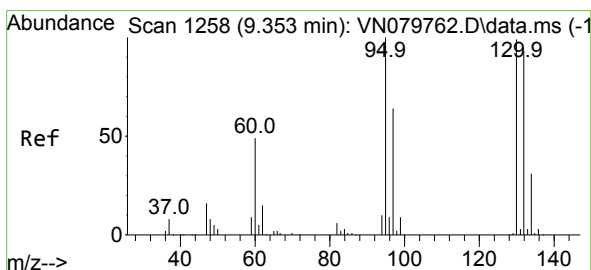
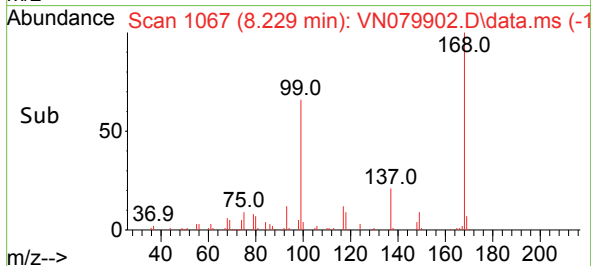
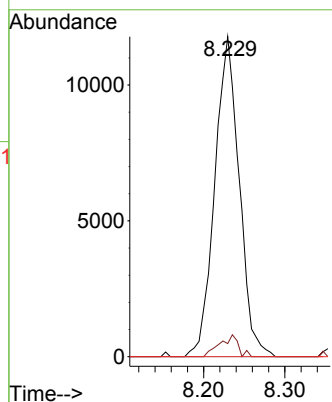
Tgt Ion:117 Resp: 24717

Ion Ratio Lower Upper

117 100

119 4.1 77.3 115.9#

121 0.0 23.3 34.9#



#44

Trichloroethene

Concen: 33.082 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.006 min

Lab File: VN079902.D

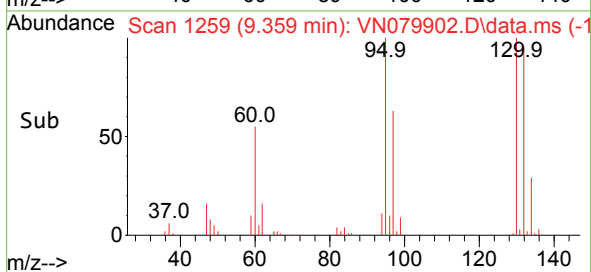
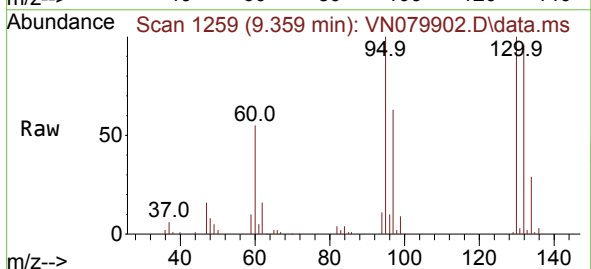
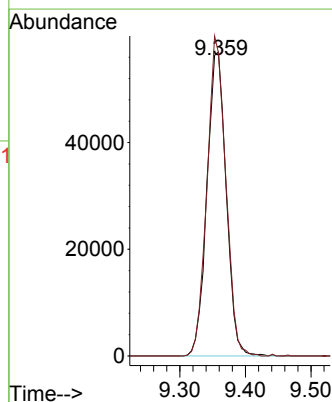
Acq: 04 Nov 2023 18:52

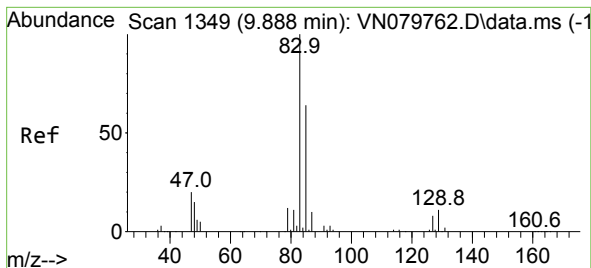
Tgt Ion:130 Resp: 116265

Ion Ratio Lower Upper

130 100

95 99.8 0.0 204.6





#47

Bromodichloromethane

Concen: 0.322 ug/l

RT: 9.888 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079902.D

Acq: 04 Nov 2023 18:52

Instrument :

MSVOA_N

ClientSampleId :

FSND-GEP-3-20231031DL

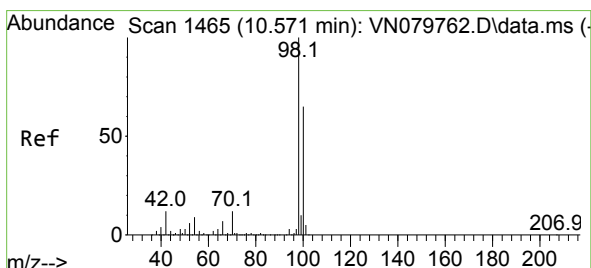
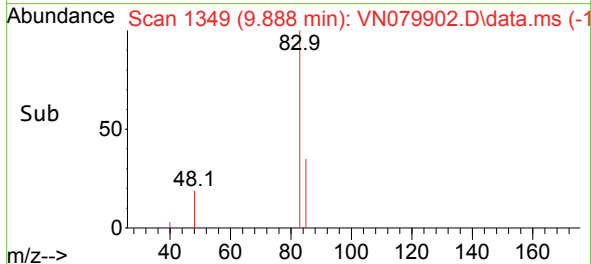
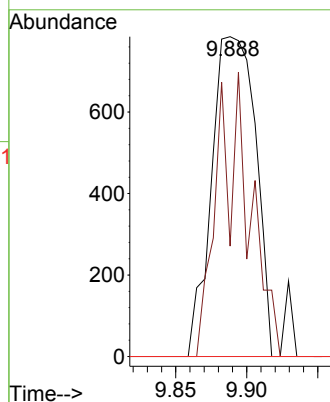
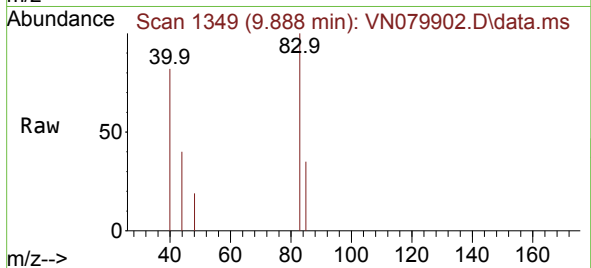
Tgt Ion: 83 Resp: 1695

Ion Ratio Lower Upper

83 100

85 34.5 49.6 74.4#

127 0.0 7.0 10.6#



#50

Toluene-d8

Concen: 49.106 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079902.D

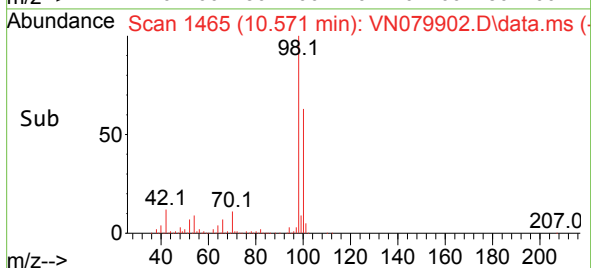
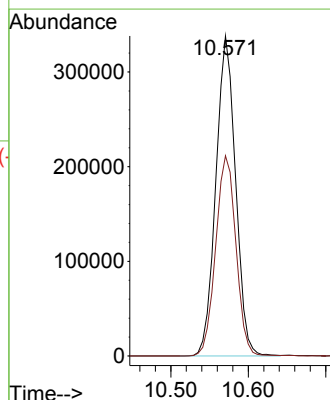
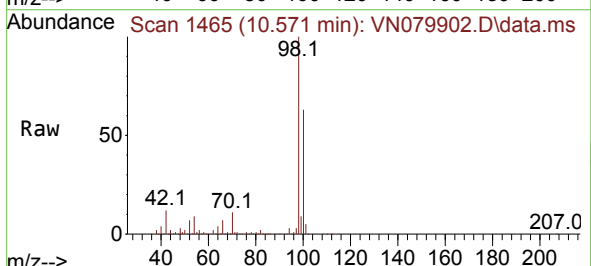
Acq: 04 Nov 2023 18:52

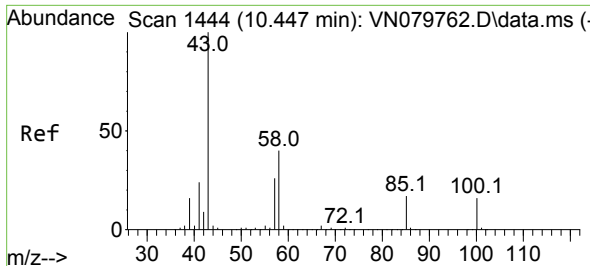
Tgt Ion: 98 Resp: 598690

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.636 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.118 min

Lab File: VN079902.D

Acq: 04 Nov 2023 18:52

Instrument :

MSVOA_N

ClientSampleId :

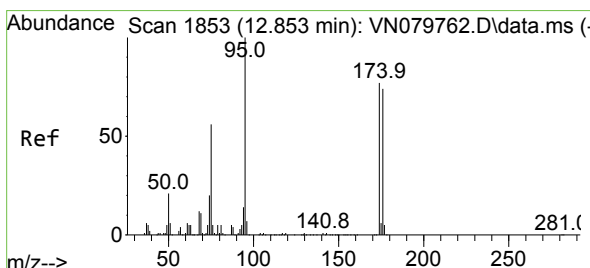
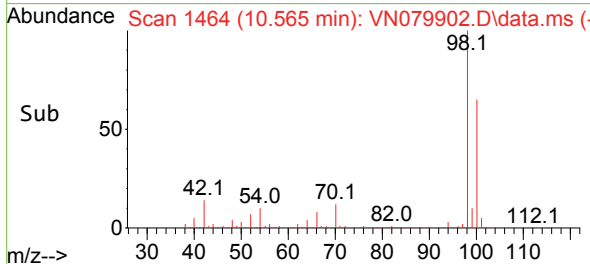
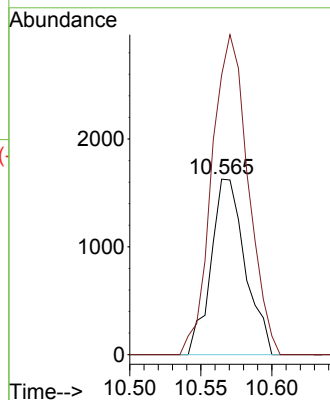
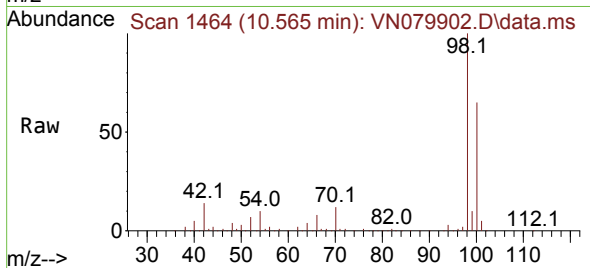
FSND-GEP-3-20231031DL

Tgt Ion: 43 Resp: 2722

Ion Ratio Lower Upper

43 100

58 194.2 36.6 54.8#



#62

4-Bromofluorobenzene

Concen: 50.115 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VN079902.D

Acq: 04 Nov 2023 18:52

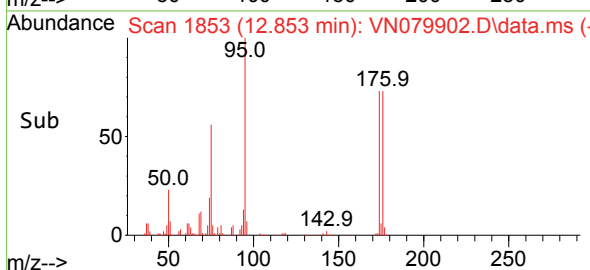
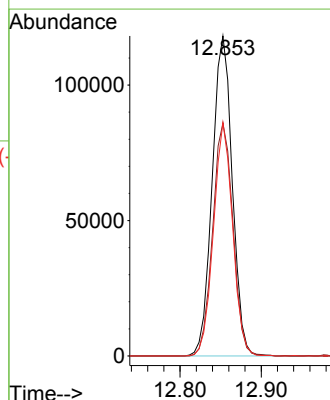
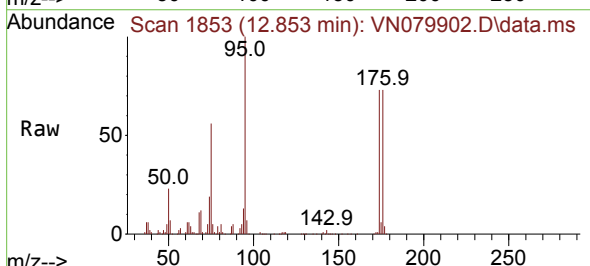
Tgt Ion: 95 Resp: 202636

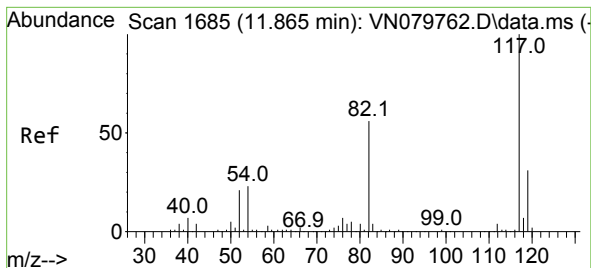
Ion Ratio Lower Upper

95 100

174 73.5 0.0 143.8

176 69.8 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079902.D

Acq: 04 Nov 2023 18:52

Instrument :

MSVOA_N

ClientSampleId :

FSND-GEP-3-20231031DL

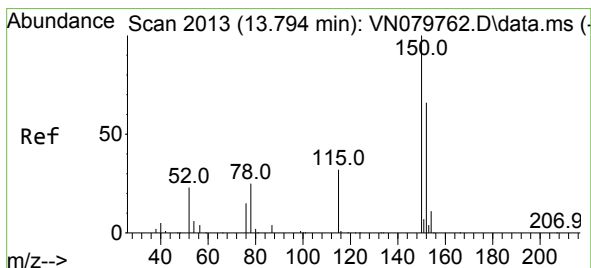
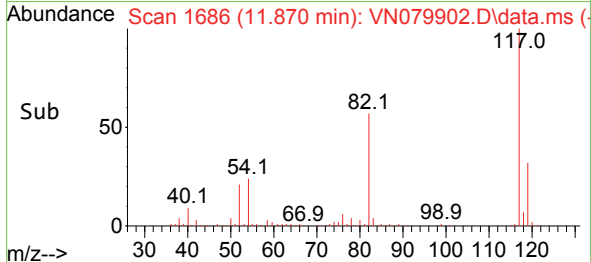
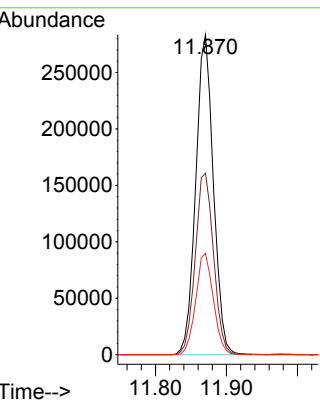
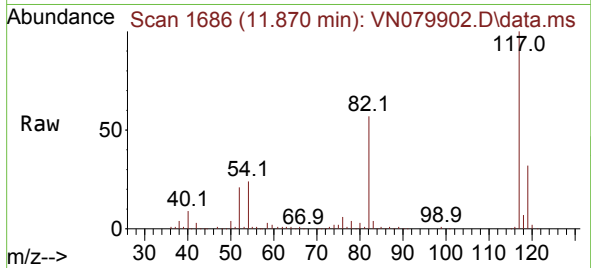
Tgt Ion:117 Resp: 489061

Ion Ratio Lower Upper

117 100

82 56.7 44.0 66.0

119 31.6 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079902.D

Acq: 04 Nov 2023 18:52

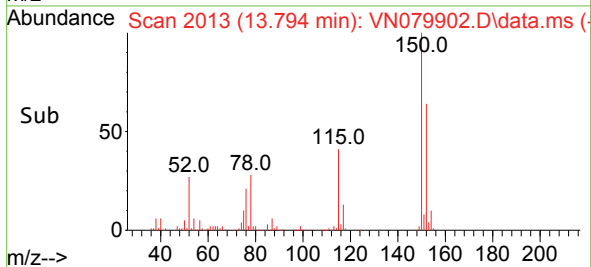
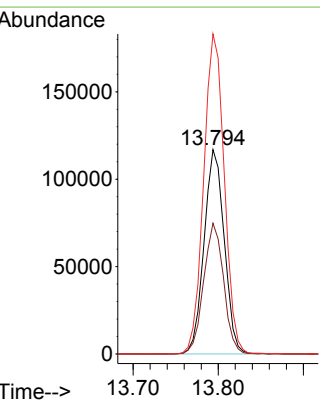
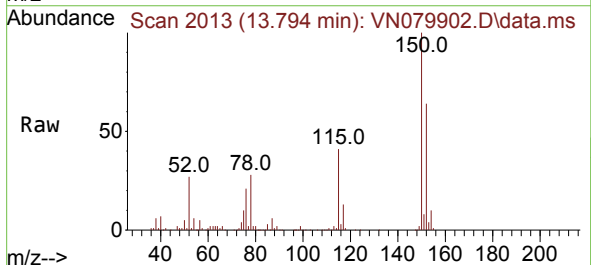
Tgt Ion:152 Resp: 192661

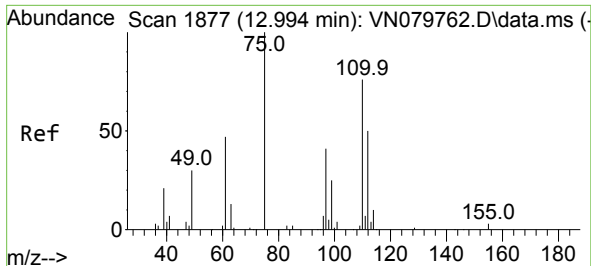
Ion Ratio Lower Upper

152 100

115 63.3 32.3 96.8

150 159.5 0.0 355.8

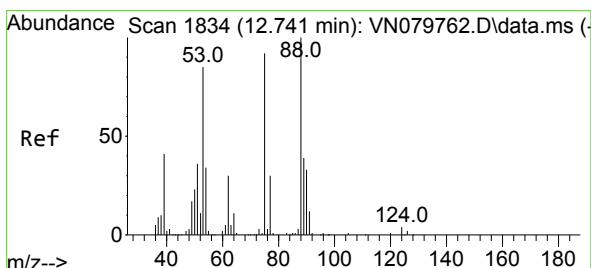
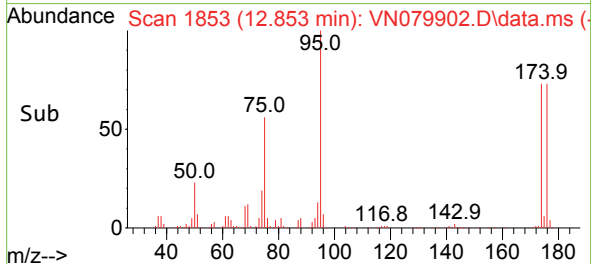
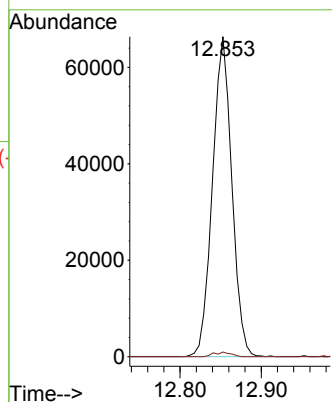
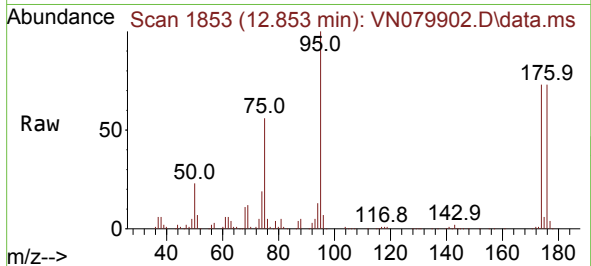




#76
1,2,3-Trichloropropane
Concen: 24.289 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079902.D
Acq: 04 Nov 2023 18:52

Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-3-20231031DL

Tgt Ion: 75 Resp: 109863
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.085 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079902.D
Acq: 04 Nov 2023 18:52

Tgt Ion: 75 Resp: 109863
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

