

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110423\
 Data File : VN079898.D
 Acq On : 04 Nov 2023 17:17
 Operator : JC\MD
 Sample : 05222-15DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-EVAL-04S-20231101DL

Quant Time: Nov 06 02:16:37 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)

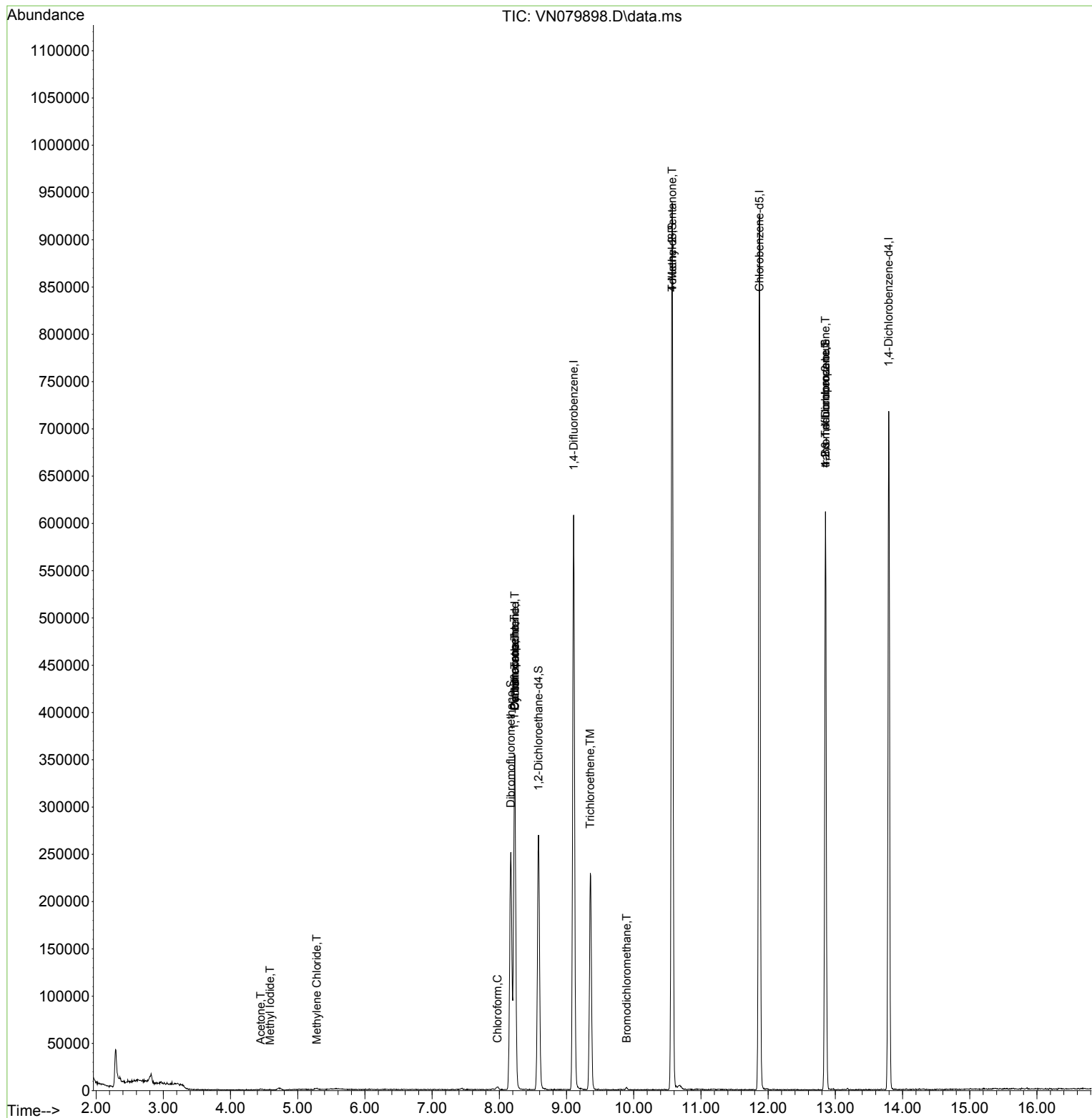
Internal Standards						
1) Pentafluorobenzene	8.230	168	244555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	493317	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	506810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	184812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	218899	58.751	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.500%
35) Dibromofluoromethane	8.171	113	178607	51.155	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.300%
50) Toluene-d8	10.571	98	623234	48.488	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.980%
62) 4-Bromofluorobenzene	12.853	95	200041	46.927	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.860%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1441	Below Cal	#	87
10) Methyl Iodide	4.589	142	673	0.212	ug/l #	38
16) Acetone	4.448	43	1014	0.775	ug/l #	40
20) Methylene Chloride	5.283	84	906	0.274	ug/l #	72
30) Chloroform	7.971	83	3133	0.508	ug/l	89
31) Cyclohexane	8.230	56	6465	1.313	ug/l #	23
36) 1,1-Dichloropropene	8.224	75	23074	4.628	ug/l #	47
38) Carbon Tetrachloride	8.230	117	26503	5.275	ug/l #	16
44) Trichloroethene	9.353	130	81453	21.983	ug/l	96
47) Bromodichloromethane	9.894	83	1750	0.315	ug/l #	95
51) 4-Methyl-2-Pentanone	10.571	43	3053	0.676	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	111107	25.608	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	111107	69.672	ug/l #	15

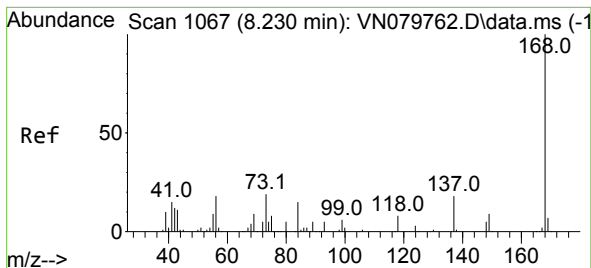
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN079898.D

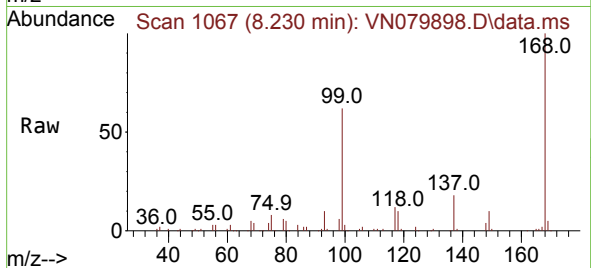
Acq: 04 Nov 2023 17:17

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-04S-20231101DL

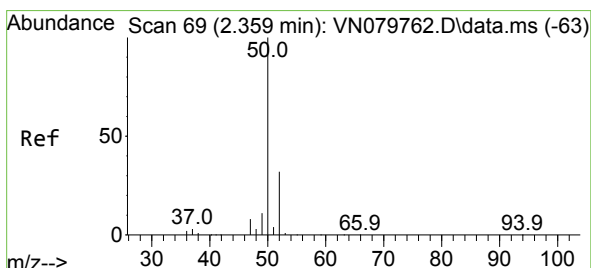
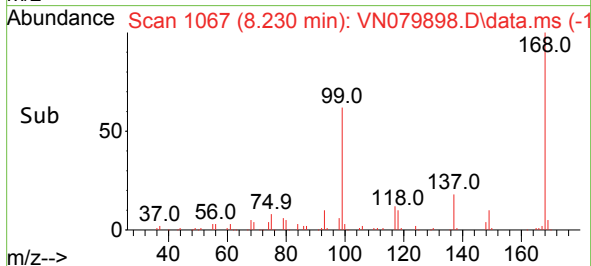
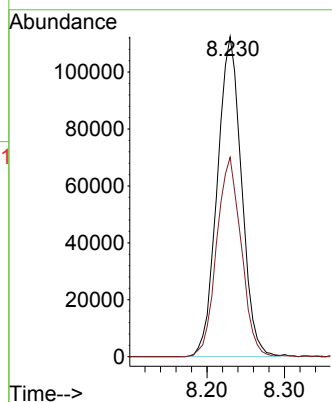


Tgt Ion:168 Resp: 244555

Ion Ratio Lower Upper

168 100

99 62.3 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN079898.D

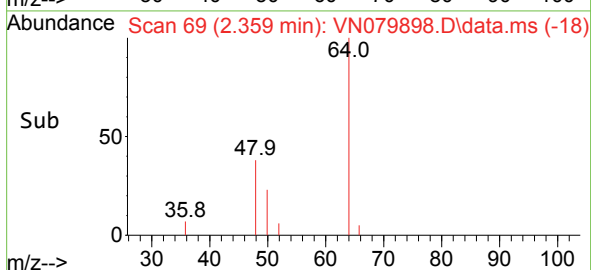
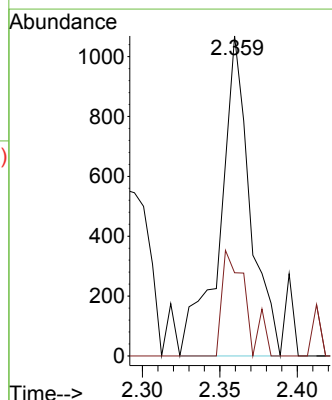
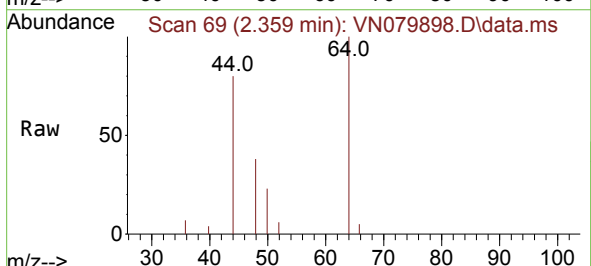
Acq: 04 Nov 2023 17:17

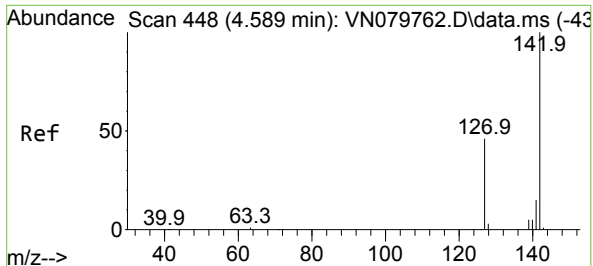
Tgt Ion: 50 Resp: 1441

Ion Ratio Lower Upper

50 100

52 26.0 26.5 39.7#

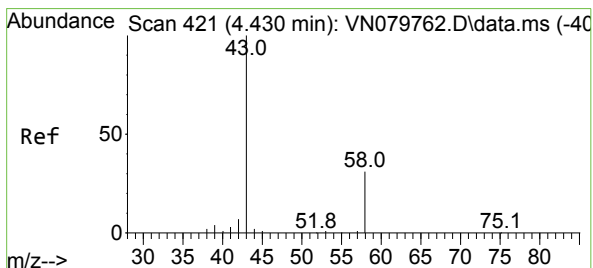
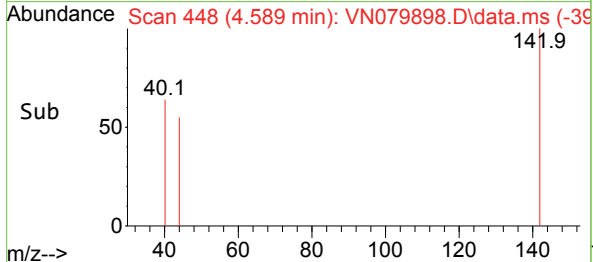
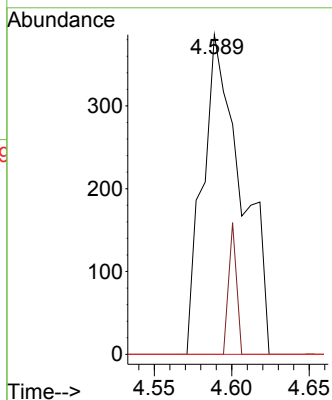
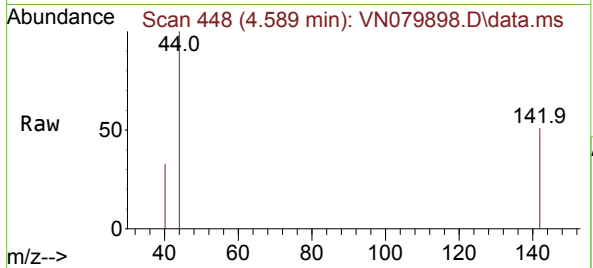




#10
Methyl Iodide
Concen: 0.212 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN079898.D
Acq: 04 Nov 2023 17:17

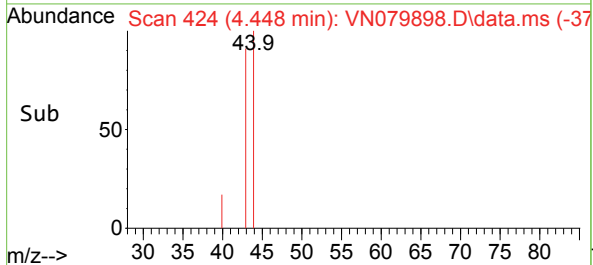
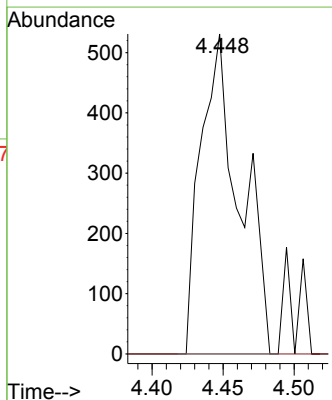
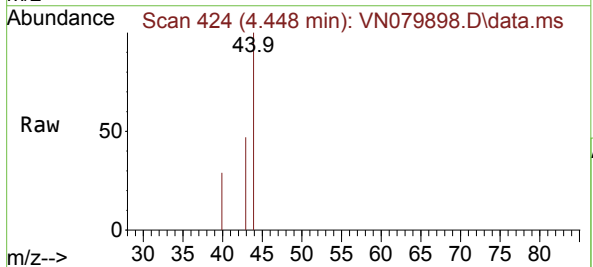
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MSVOA_N
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FSND-MW-EVAL-04S-20231101DL

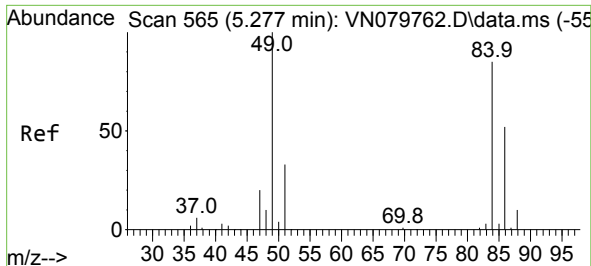
Tgt Ion:142 Resp: 673
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 0.775 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN079898.D
Acq: 04 Nov 2023 17:17

Tgt Ion: 43 Resp: 1014
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

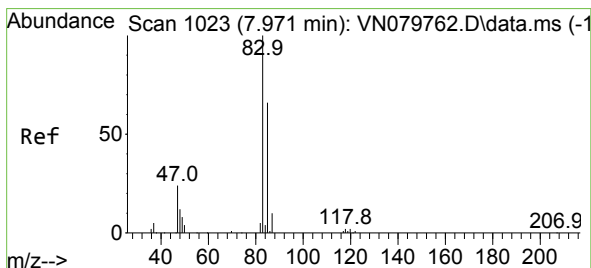
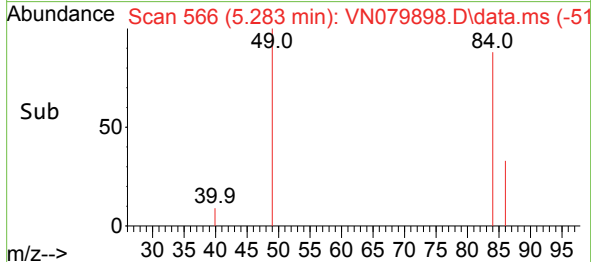
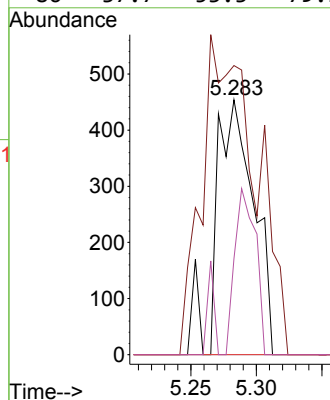
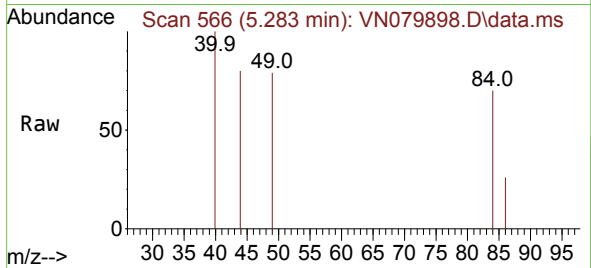




#20
Methylene Chloride
Concen: 0.274 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN079898.D
Acq: 04 Nov 2023 17:17

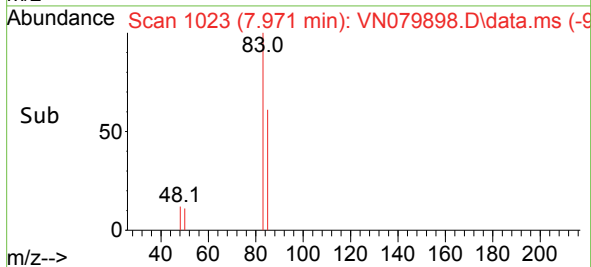
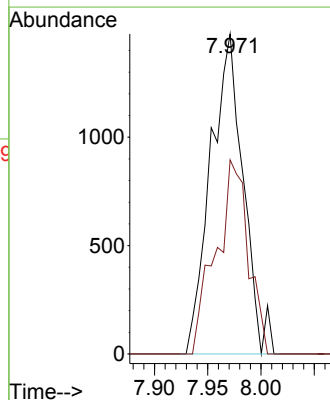
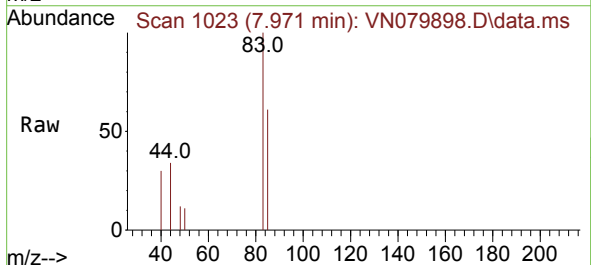
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-04S-20231101DL

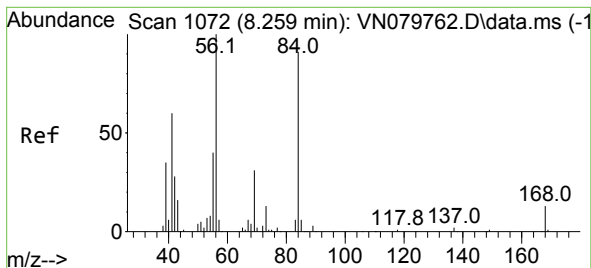
Tgt Ion: 84	Resp:	906
Ion	Ratio	Lower Upper
84	100	
49	113.4	79.7 119.5
51	0.0	25.2 37.8#
86	37.7	53.3 79.9#



#30
Chloroform
Concen: 0.508 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.000 min
Lab File: VN079898.D
Acq: 04 Nov 2023 17:17

Tgt Ion: 83	Resp:	3133
Ion	Ratio	Lower Upper
83	100	
85	60.6	55.4 83.0





#31

Cyclohexane

Concen: 1.313 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN079898.D

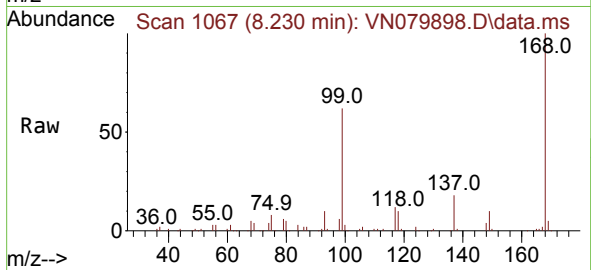
Acq: 04 Nov 2023 17:17

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-04S-20231101DL



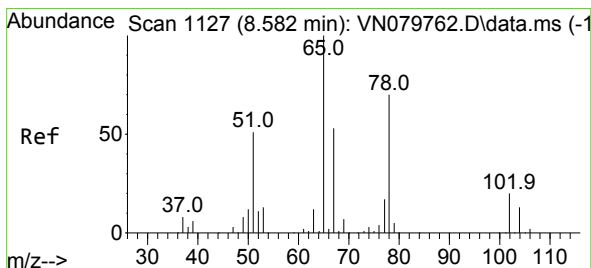
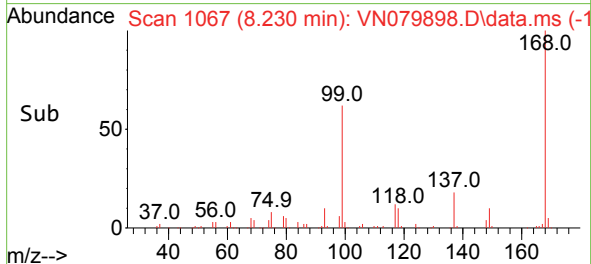
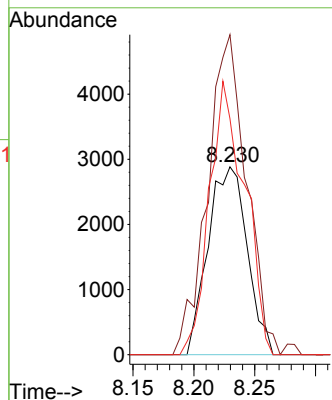
Tgt Ion: 56 Resp: 6465

Ion Ratio Lower Upper

56 100

69 170.3 26.8 40.2#

84 125.6 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 58.751 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079898.D

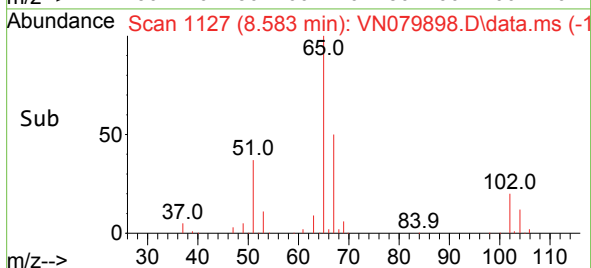
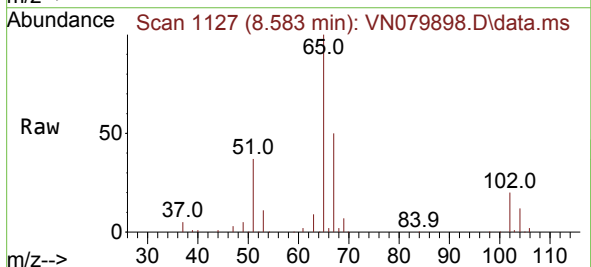
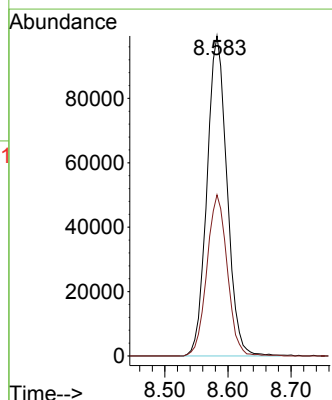
Acq: 04 Nov 2023 17:17

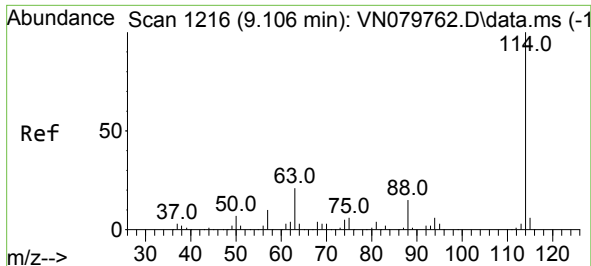
Tgt Ion: 65 Resp: 218899

Ion Ratio Lower Upper

65 100

67 51.2 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: VN079898.D

Acq: 04 Nov 2023 17:17

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-04S-20231101DL

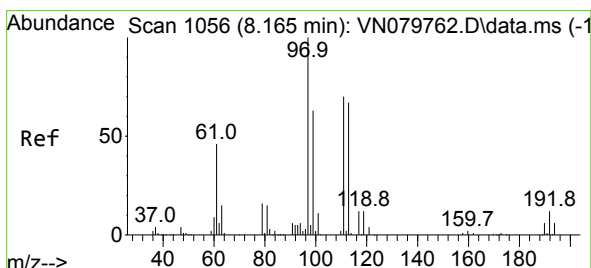
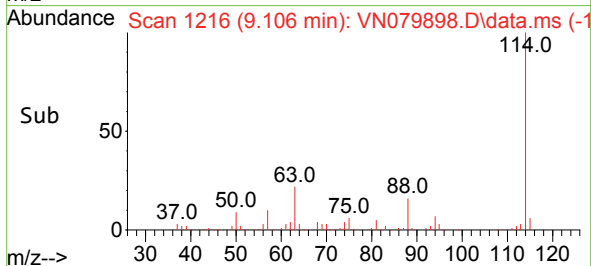
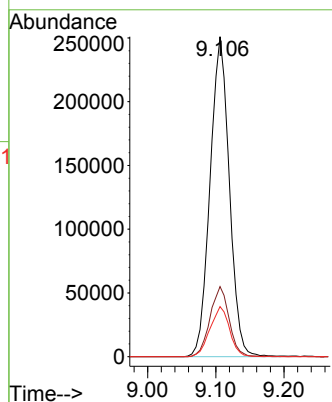
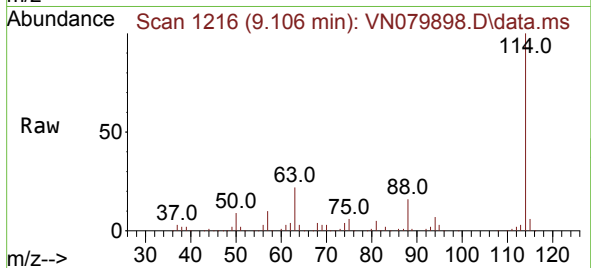
Tgt Ion:114 Resp: 493317

Ion Ratio Lower Upper

114 100

63 21.9 0.0 36.4

88 15.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.155 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079898.D

Acq: 04 Nov 2023 17:17

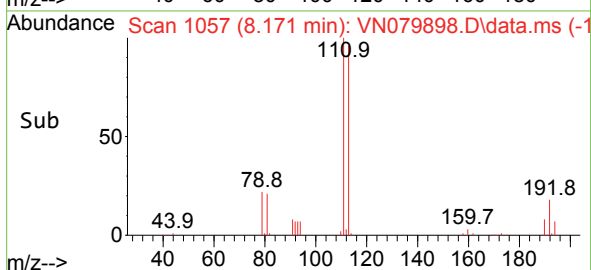
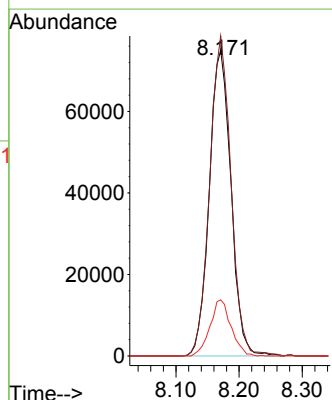
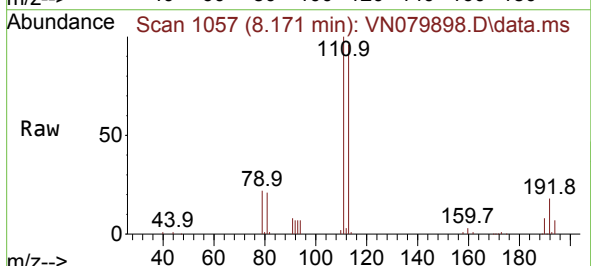
Tgt Ion:113 Resp: 178607

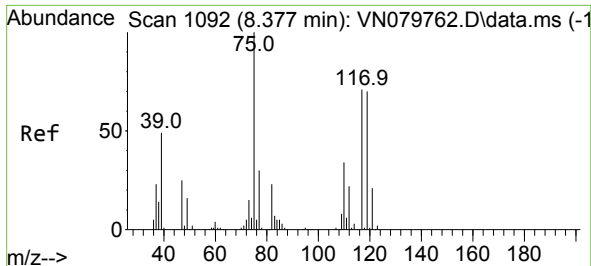
Ion Ratio Lower Upper

113 100

111 103.0 82.6 123.8

192 17.8 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.628 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN079898.D

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FSND-MW-EVAL-04S-20231101DL

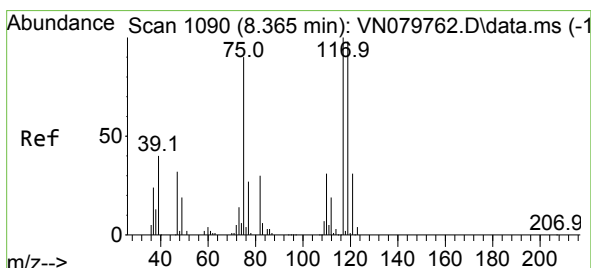
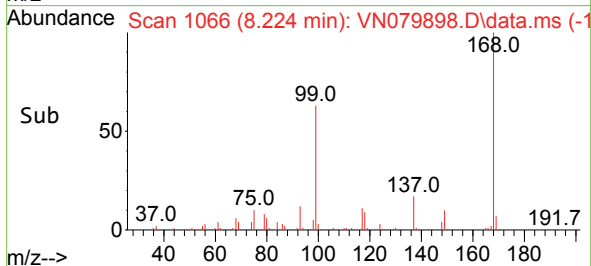
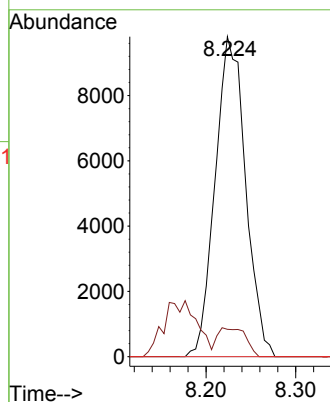
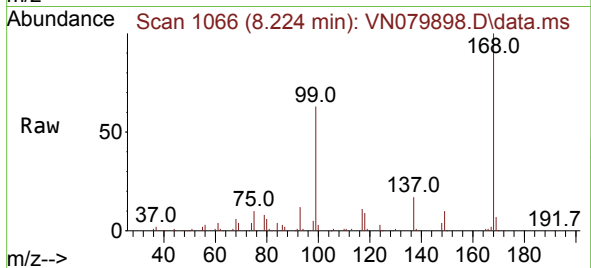
Tgt Ion: 75 Resp: 23074

Ion Ratio Lower Upper

75 100

110 8.3 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.275 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.129 min

Lab File: VN079898.D

Acq: 04 Nov 2023 17:17

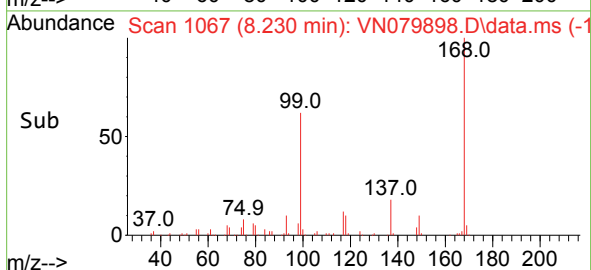
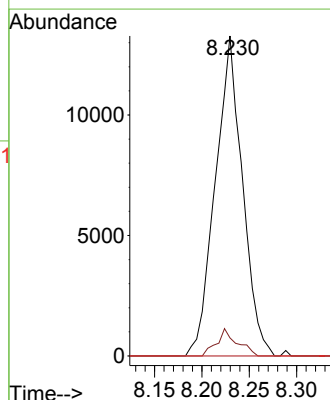
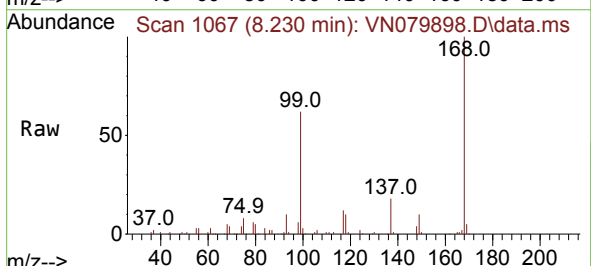
Tgt Ion: 117 Resp: 26503

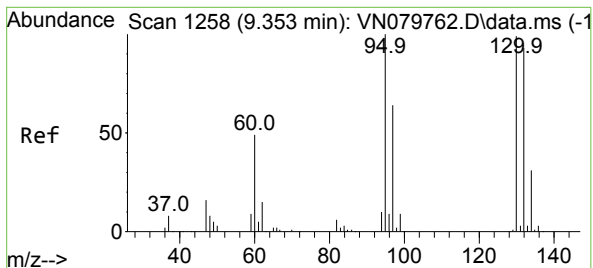
Ion Ratio Lower Upper

117 100

119 5.7 77.3 115.9#

121 0.0 23.3 34.9#





#44

Trichloroethene

Concen: 21.983 ug/l

RT: 9.353 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN079898.D

Acq: 04 Nov 2023 17:17

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ClientSampleId :

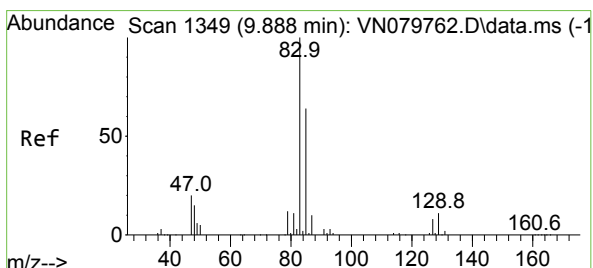
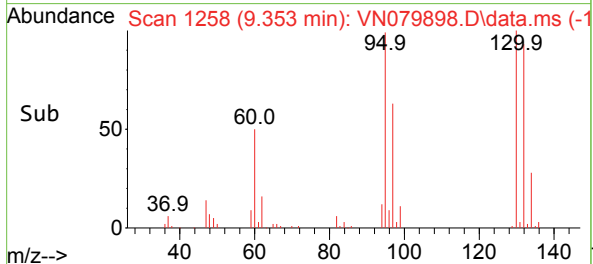
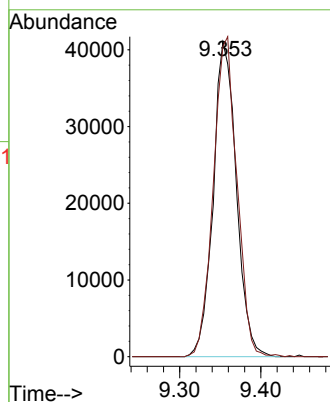
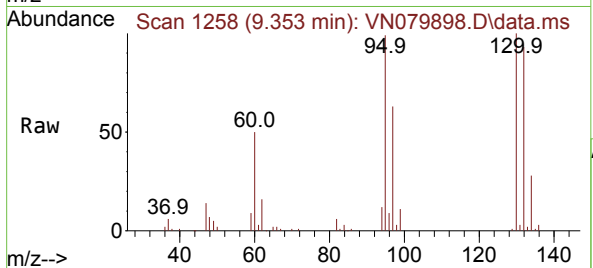
FSND-MW-EVAL-04S-20231101DL

Tgt Ion:130 Resp: 81453

Ion Ratio Lower Upper

130 100

95 98.6 0.0 204.6



#47

Bromodichloromethane

Concen: 0.315 ug/l

RT: 9.894 min Scan# 1350

Delta R.T. 0.006 min

Lab File: VN079898.D

Acq: 04 Nov 2023 17:17

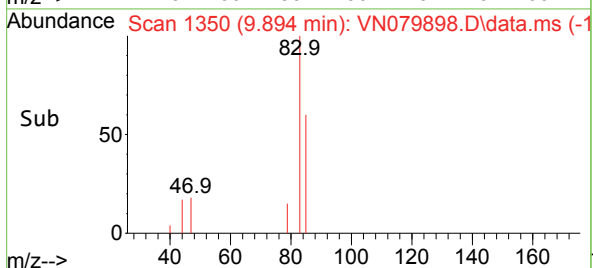
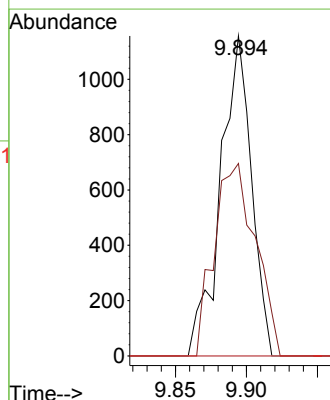
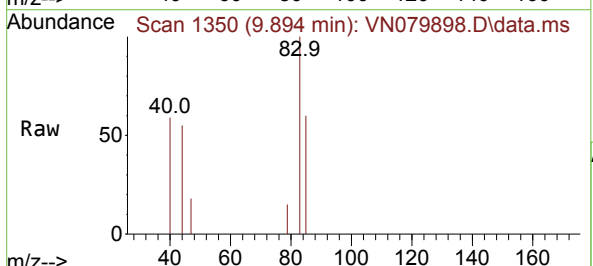
Tgt Ion: 83 Resp: 1750

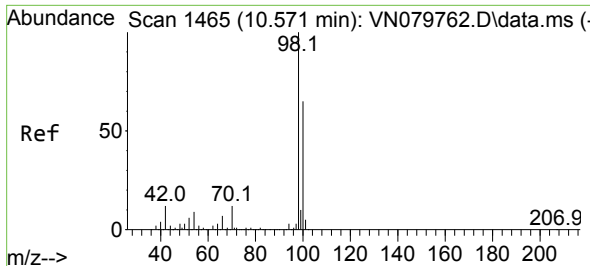
Ion Ratio Lower Upper

83 100

85 60.2 49.6 74.4

127 0.0 7.0 10.6#

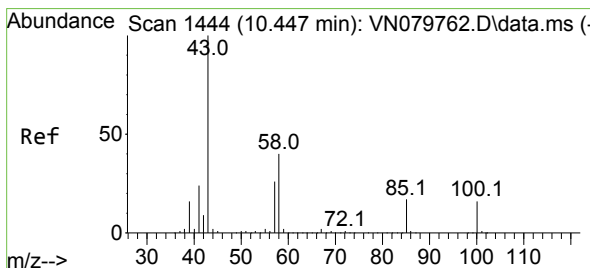
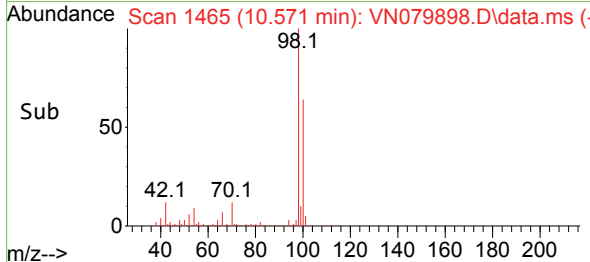
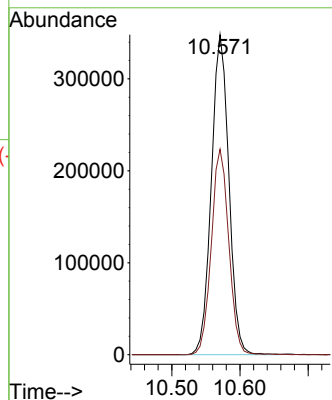
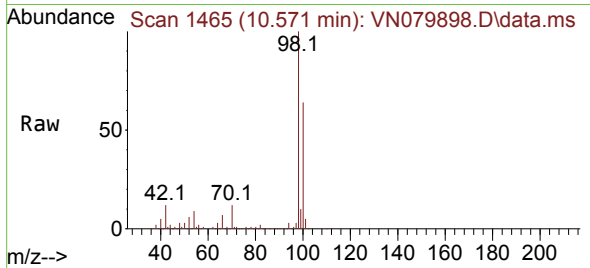




#50
Toluene-d8
Concen: 48.488 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079898.D
Acq: 04 Nov 2023 17:17

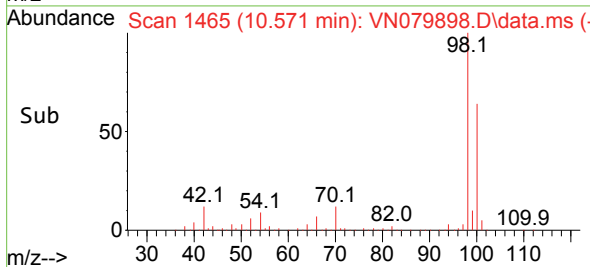
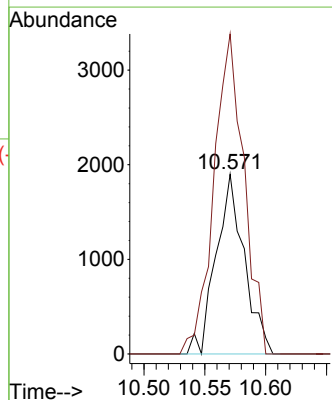
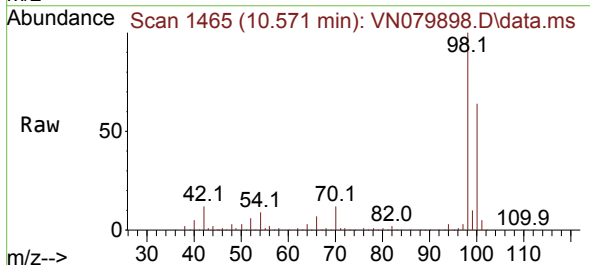
Instrument : MSVOA_N
ClientSampleId : FSND-MW-EVAL-04S-20231101DL

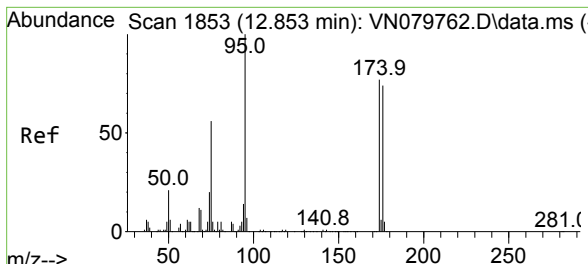
Tgt Ion: 98 Resp: 623234
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.676 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN079898.D
Acq: 04 Nov 2023 17:17

Tgt Ion: 43 Resp: 3053
Ion Ratio Lower Upper
43 100
58 190.5 36.6 54.8#

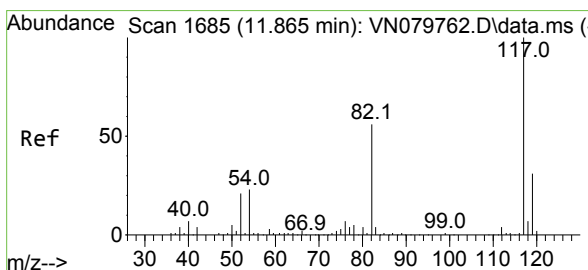
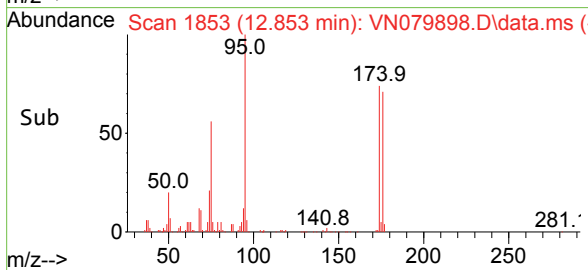
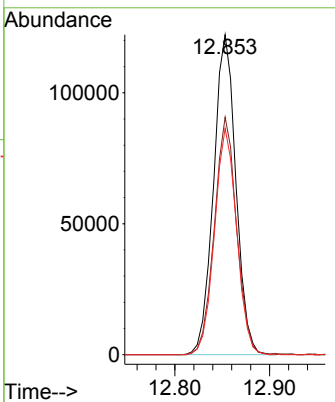
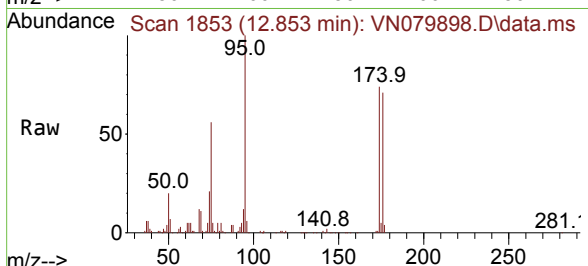




#62
 4-Bromofluorobenzene
 Concen: 46.927 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN079898.D
 Acq: 04 Nov 2023 17:17

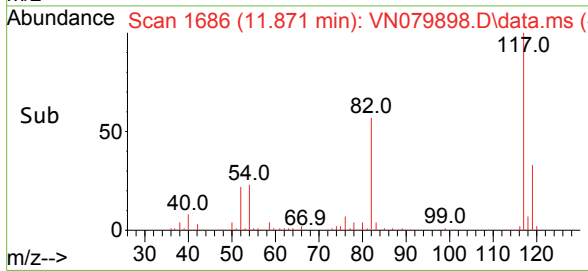
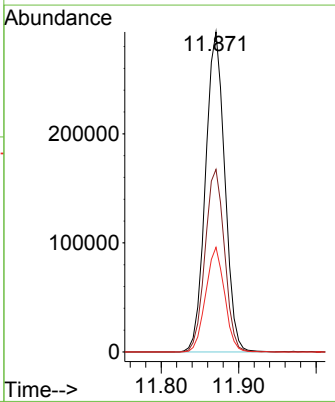
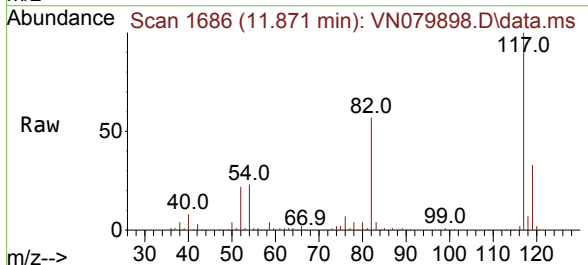
Instrument : MSVOA_N
 ClientSampleId : FSND-MW-EVAL-04S-20231101DL

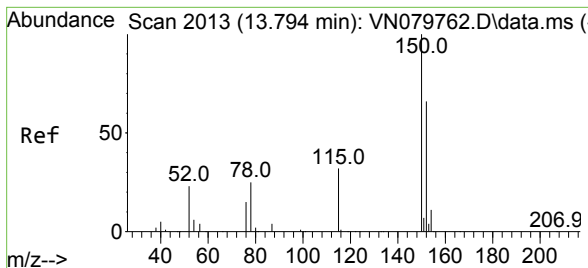
Tgt Ion:	95	Resp:	200041
Ion Ratio	Lower	Upper	
95	100		
174	74.2	0.0	143.8
176	70.2	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.000 min
 Lab File: VN079898.D
 Acq: 04 Nov 2023 17:17

Tgt Ion:	117	Resp:	506810
Ion Ratio	Lower	Upper	
117	100		
82	57.1	44.0	66.0
119	32.7	25.6	38.4

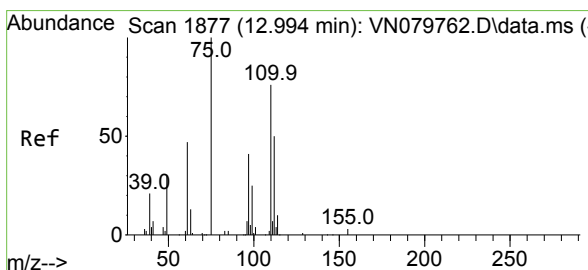
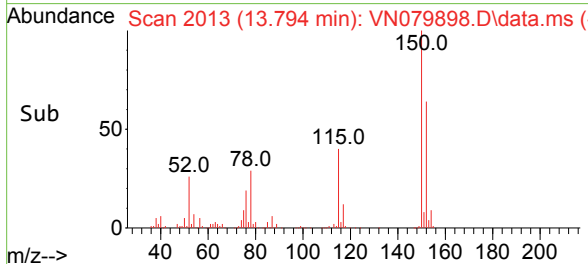
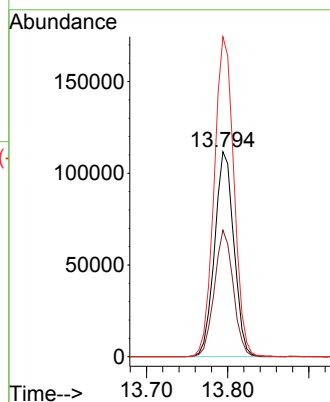
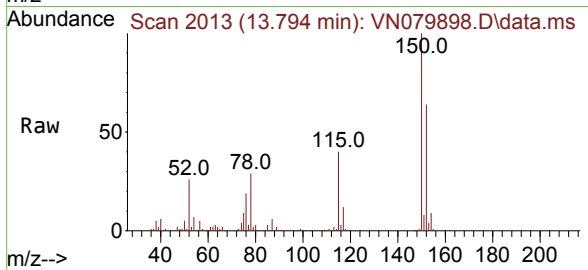




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN079898.D
 Acq: 04 Nov 2023 17:17

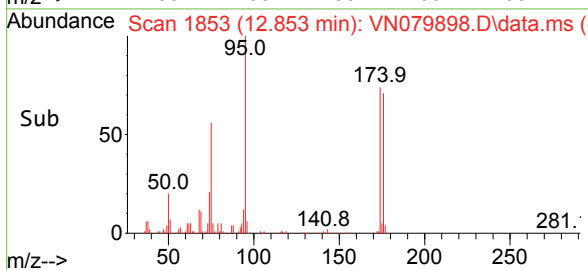
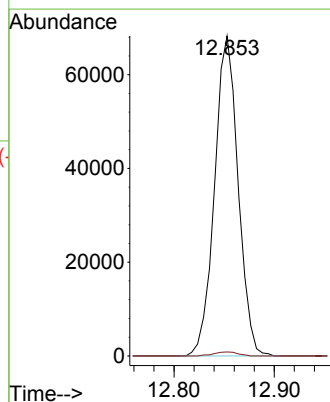
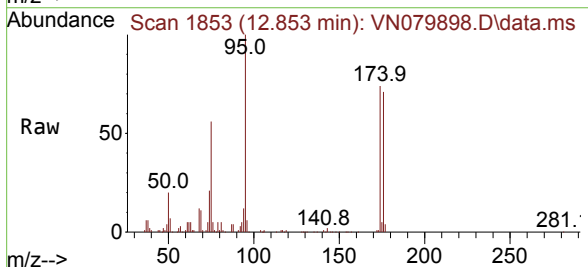
Instrument : MSVOA_N
 ClientSampleId : FSND-MW-EVAL-04S-20231101DL

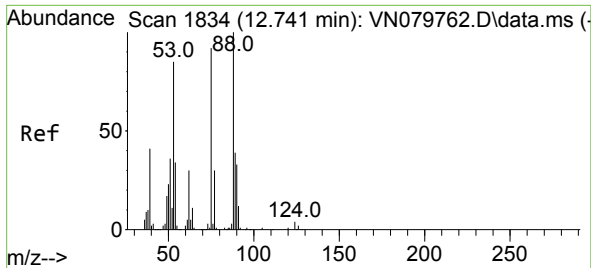
Tgt Ion:152 Resp: 184812
 Ion Ratio Lower Upper
 152 100
 115 60.3 32.3 96.8
 150 159.5 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 25.608 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN079898.D
 Acq: 04 Nov 2023 17:17

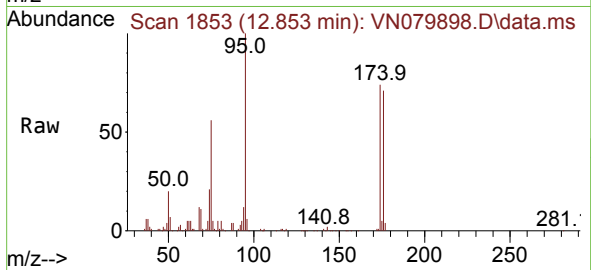
Tgt Ion: 75 Resp: 111107
 Ion Ratio Lower Upper
 75 100
 77 1.3 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.672 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN079898.D
 Acq: 04 Nov 2023 17:17

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-EVAL-04S-20231101DL



Tgt Ion: 75 Resp: 111107
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

