

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110423\
 Data File : VN079899.D
 Acq On : 04 Nov 2023 17:41
 Operator : JC\MD
 Sample : 05222-18DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-EVAL-03D-20231101DL

Quant Time: Nov 06 02:16:58 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)

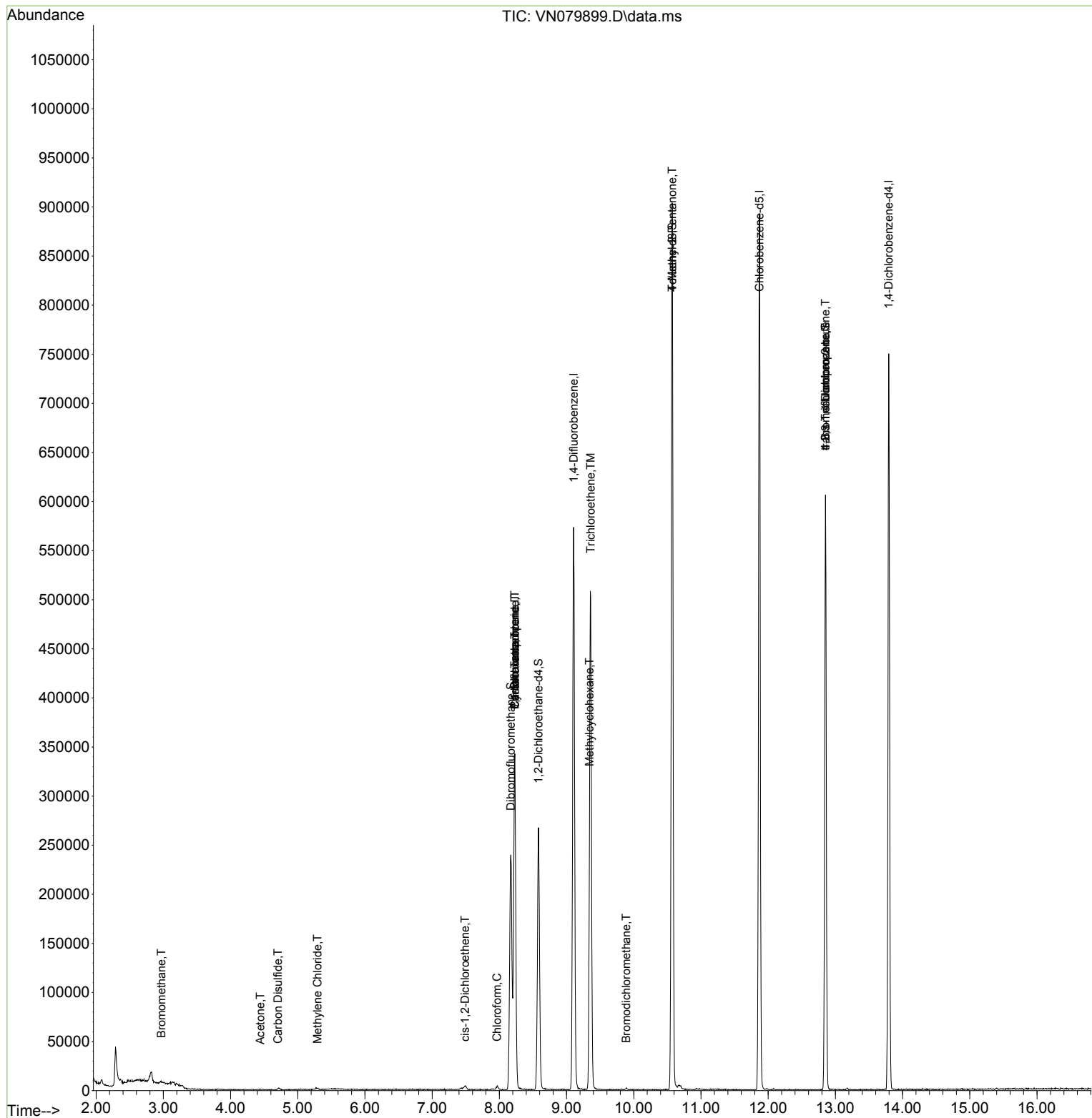
Internal Standards						
1) Pentafluorobenzene	8.230	168	233742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	472638	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	489757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	189256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	213330	59.905	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 119.820%	
35) Dibromofluoromethane	8.171	113	172524	51.575	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.140%	
50) Toluene-d8	10.571	98	601092	48.811	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.620%	
62) 4-Bromofluorobenzene	12.853	95	199954	48.958	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.920%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1267	Below Cal		97
5) Bromomethane	2.971	94	1087	0.485	ug/l #	80
16) Acetone	4.442	43	521	0.417	ug/l #	40
17) Carbon Disulfide	4.706	76	1738	0.239	ug/l #	75
20) Methylene Chloride	5.294	84	1026	0.325	ug/l #	66
27) cis-1,2-Dichloroethene	7.488	96	2495	0.743	ug/l	95
30) Chloroform	7.965	83	3552	0.602	ug/l #	75
31) Cyclohexane	8.230	56	6918	1.470	ug/l #	49
36) 1,1-Dichloropropene	8.230	75	22471	4.705	ug/l #	47
38) Carbon Tetrachloride	8.230	117	25165	5.228	ug/l #	15
39) Methylcyclohexane	9.341	83	2389	0.531	ug/l #	6
44) Trichloroethene	9.359	130	174719	49.218	ug/l	98
47) Bromodichloromethane	9.888	83	1186	0.223	ug/l #	78
51) 4-Methyl-2-Pentanone	10.571	43	2490	0.576	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	108424	24.402	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	108424	66.393	ug/l #	15

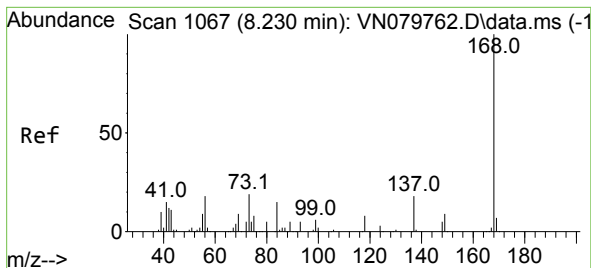
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN079899.D

Acq: 04 Nov 2023 17:41

Instrument :

MSVOA_N

ClientSampleId :

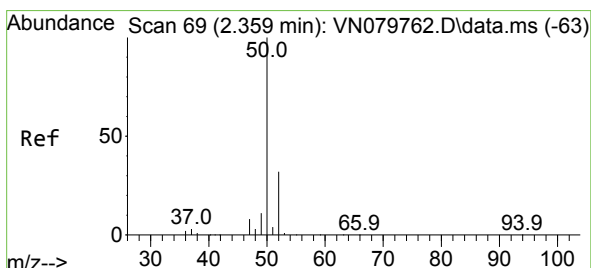
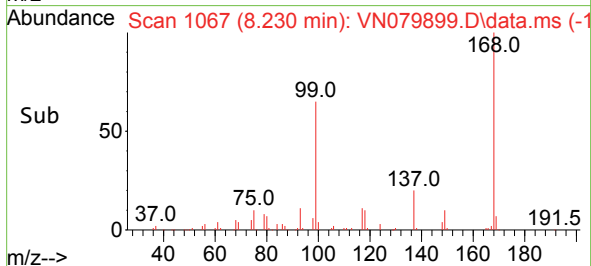
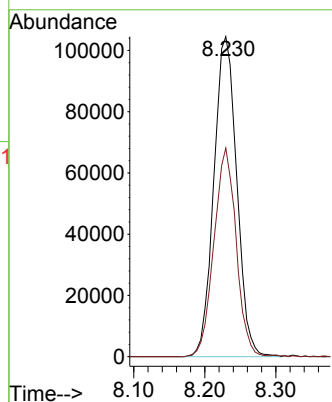
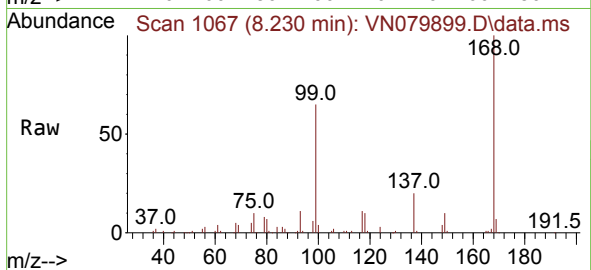
FSND-MW-EVAL-03D-20231101DL

Tgt Ion:168 Resp: 233742

Ion Ratio Lower Upper

168 100

99 65.2 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN079899.D

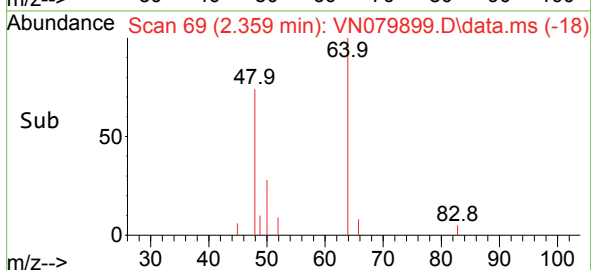
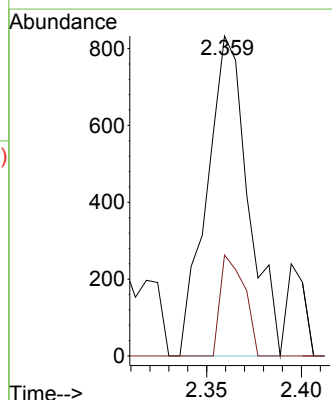
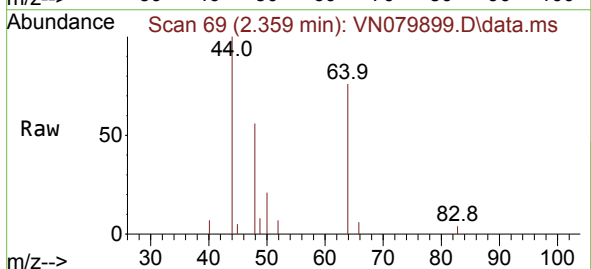
Acq: 04 Nov 2023 17:41

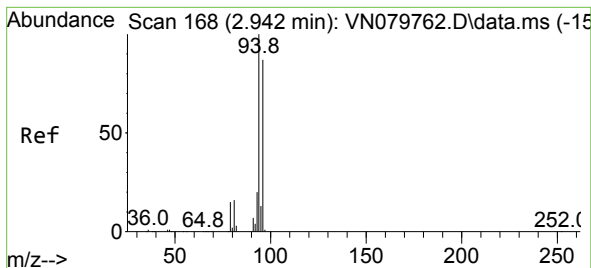
Tgt Ion: 50 Resp: 1267

Ion Ratio Lower Upper

50 100

52 31.6 26.5 39.7

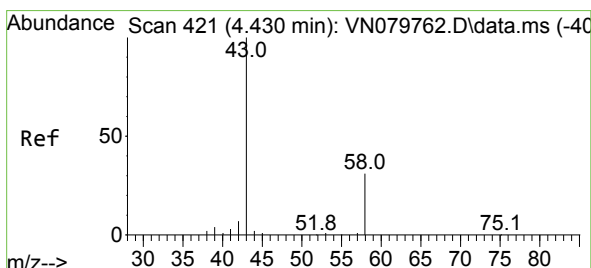
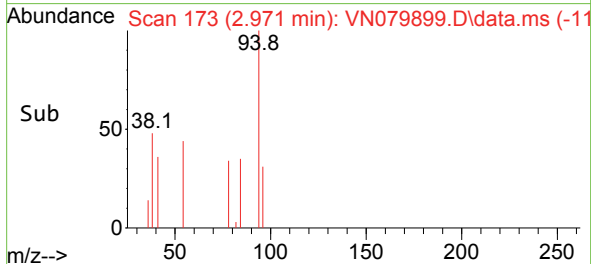
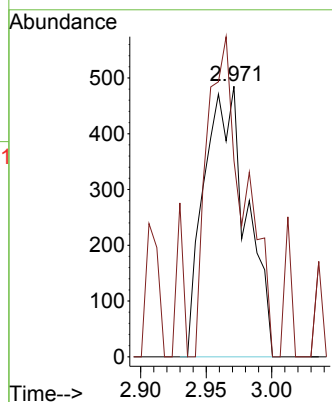
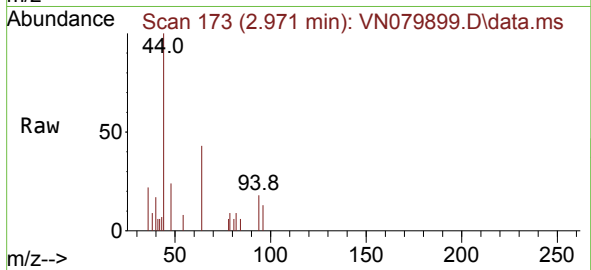




#5
Bromomethane
Concen: 0.485 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN079899.D
Acq: 04 Nov 2023 17:41

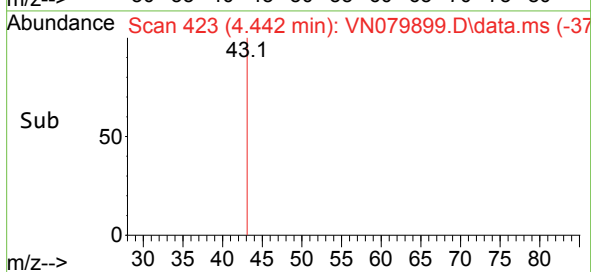
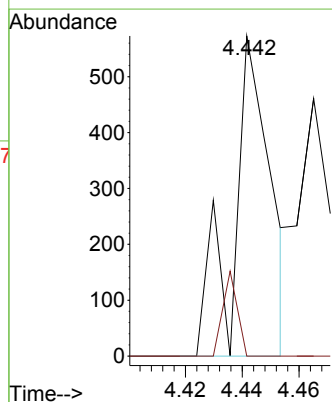
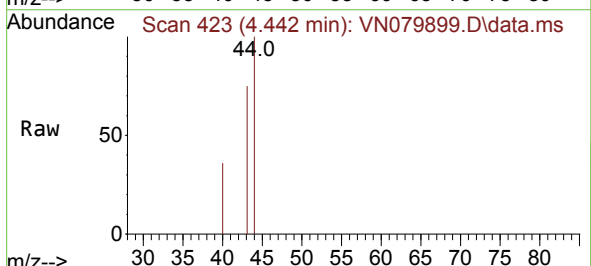
Instrument :
MSVOA_N
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FSND-MW-EVAL-03D-20231101DL

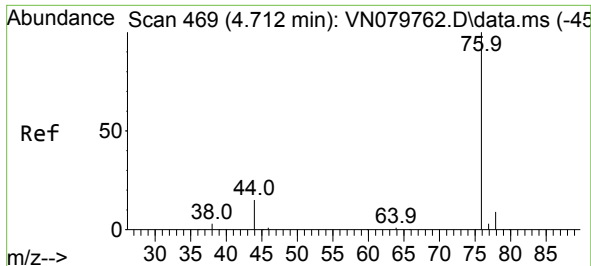
Tgt Ion: 94 Resp: 1087
Ion Ratio Lower Upper
94 100
96 72.6 73.1 109.7#



#16
Acetone
Concen: 0.417 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN079899.D
Acq: 04 Nov 2023 17:41

Tgt Ion: 43 Resp: 521
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#





#17

Carbon Disulfide

Concen: 0.239 ug/l

RT: 4.706 min Scan# 4

Delta R.T. -0.006 min

Lab File: VN079899.D

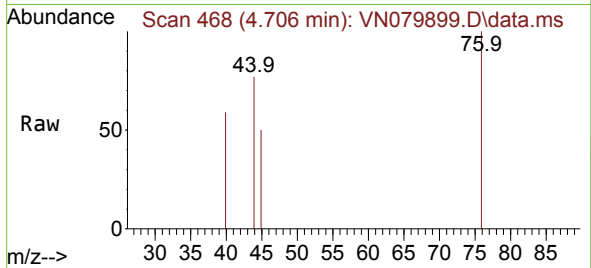
Acq: 04 Nov 2023 17:41

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-03D-20231101DL

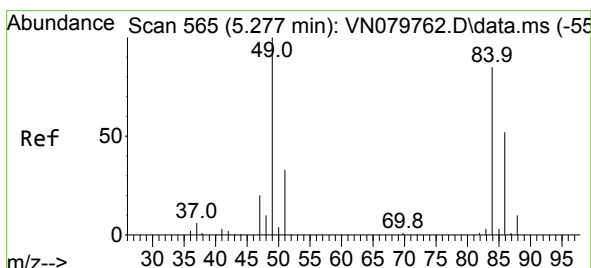
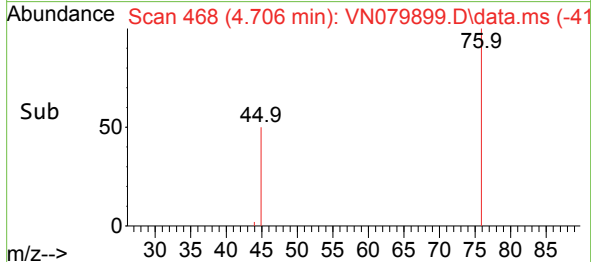
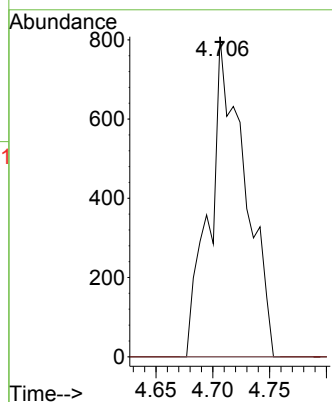


Tgt Ion: 76 Resp: 1738

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



#20

Methylene Chloride

Concen: 0.325 ug/l

RT: 5.294 min Scan# 568

Delta R.T. 0.024 min

Lab File: VN079899.D

Acq: 04 Nov 2023 17:41

Tgt Ion: 84 Resp: 1026

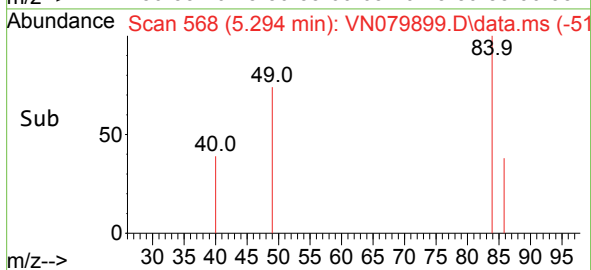
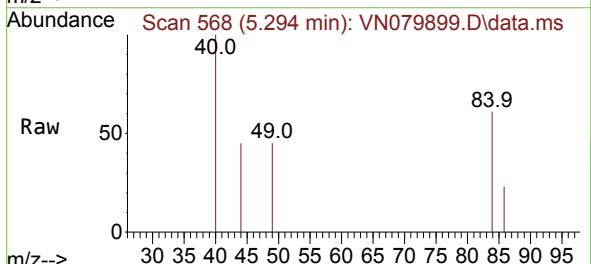
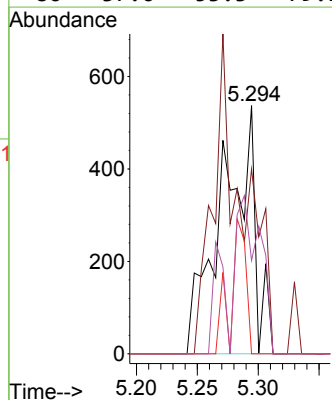
Ion Ratio Lower Upper

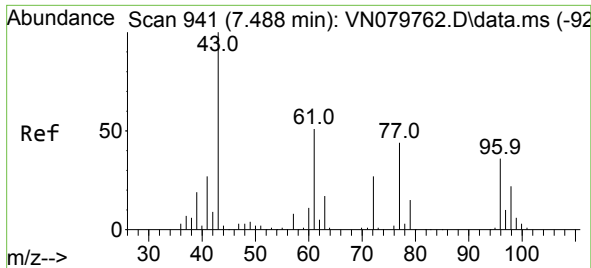
84 100

49 74.5 79.7 119.5#

51 0.0 25.2 37.8#

86 37.6 53.3 79.9#

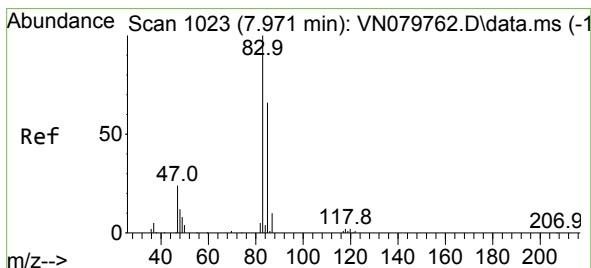
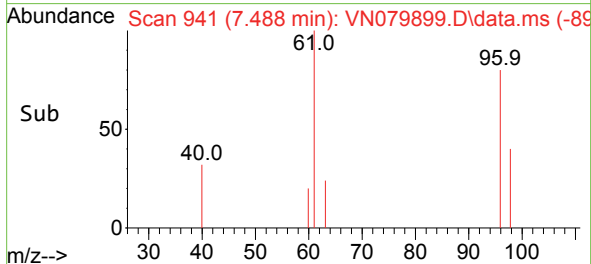
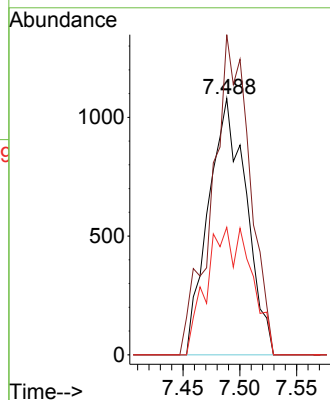
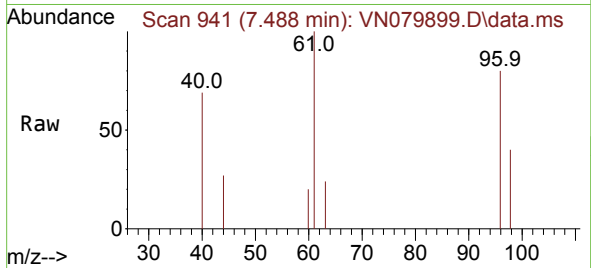




#27
 cis-1,2-Dichloroethene
 Concen: 0.743 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. 0.000 min
 Lab File: VN079899.D
 Acq: 04 Nov 2023 17:41

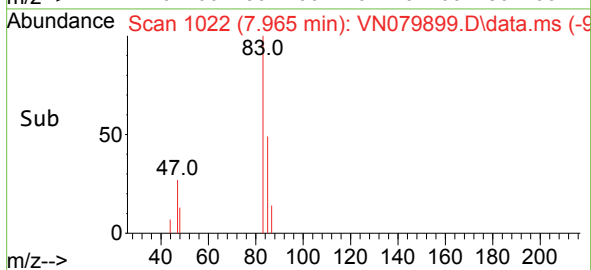
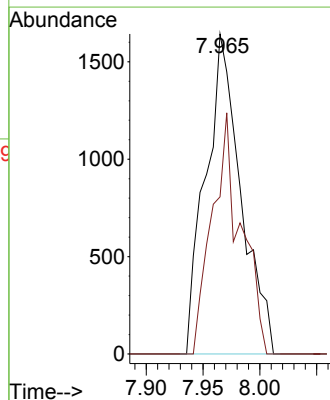
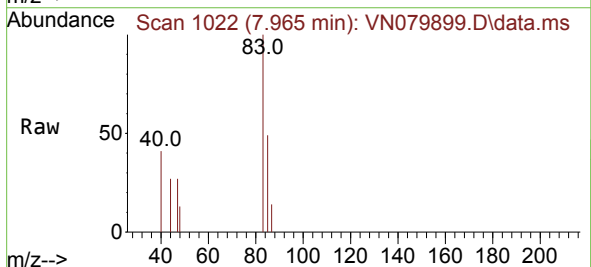
Instrument :
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 FSND-MW-EVAL-03D-20231101DL

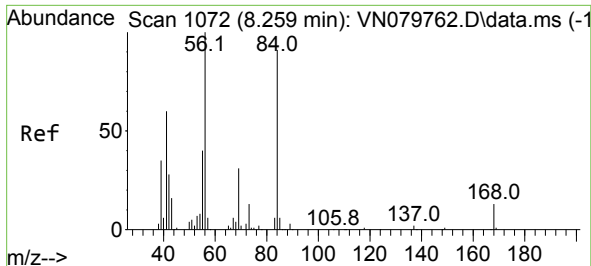
Tgt Ion:	96	Resp:	2495
Ion	Ratio	Lower	Upper
96	100		
61	123.8	0.0	255.2
98	58.7	0.0	128.8



#30
 Chloroform
 Concen: 0.602 ug/l
 RT: 7.965 min Scan# 1022
 Delta R.T. -0.006 min
 Lab File: VN079899.D
 Acq: 04 Nov 2023 17:41

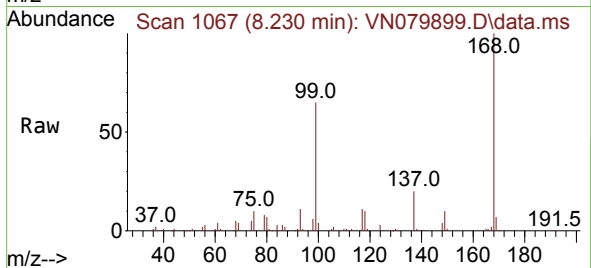
Tgt Ion:	83	Resp:	3552
Ion	Ratio	Lower	Upper
83	100		
85	49.1	55.4	83.0#



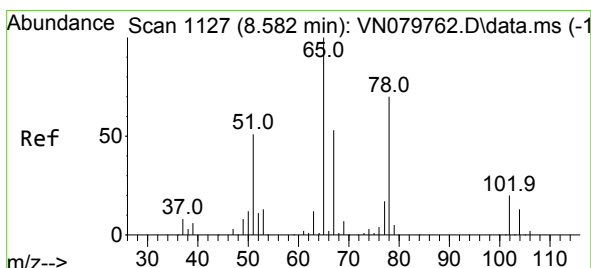
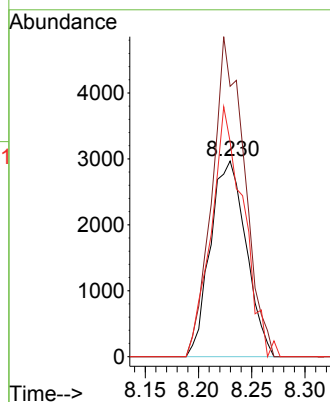
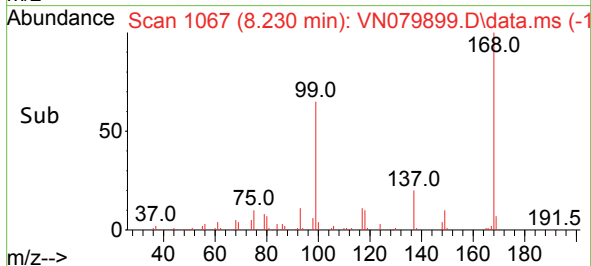


#31
Cyclohexane
Concen: 1.470 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN079899.D
Acq: 04 Nov 2023 17:41

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-03D-20231101DL

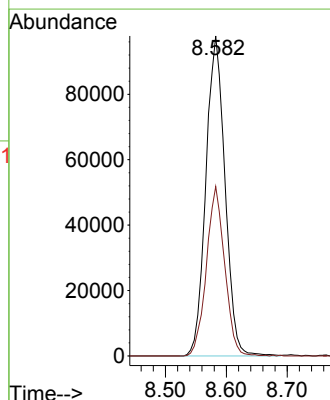
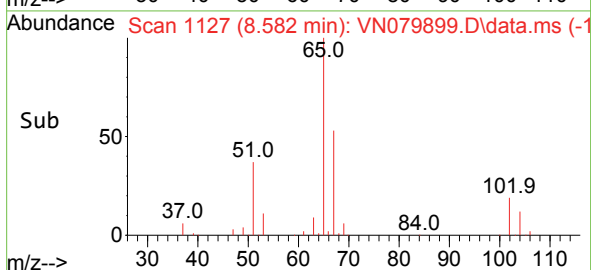
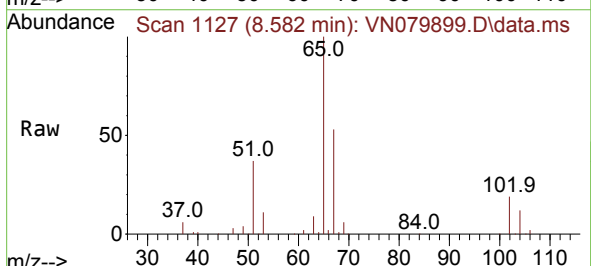


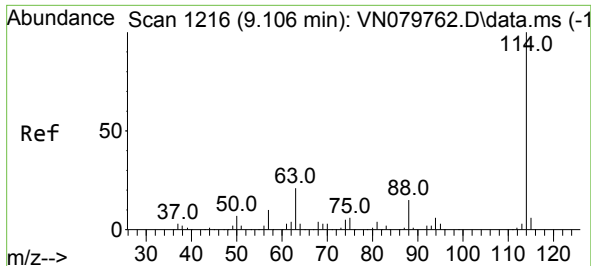
Tgt Ion: 56 Resp: 6918
Ion Ratio Lower Upper
56 100
69 138.2 26.8 40.2#
84 109.8 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 59.905 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079899.D
Acq: 04 Nov 2023 17:41

Tgt Ion: 65 Resp: 213330
Ion Ratio Lower Upper
65 100
67 50.6 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: VN079899.D

Acq: 04 Nov 2023 17:41

Instrument :

MSVOA_N

ClientSampleId :

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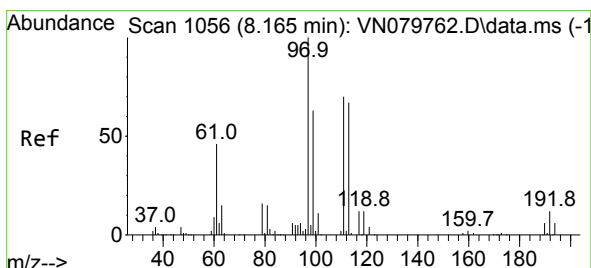
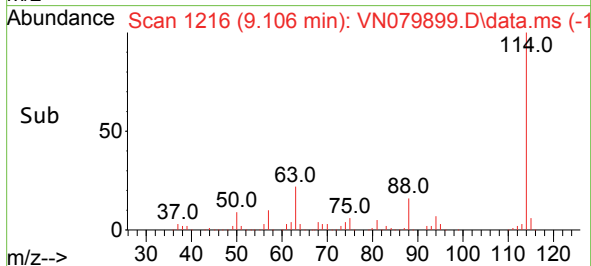
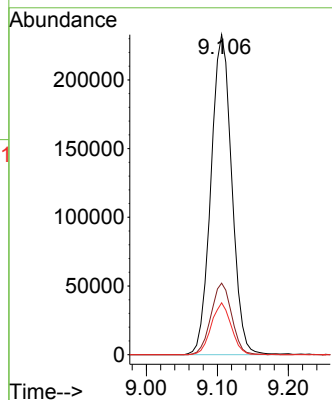
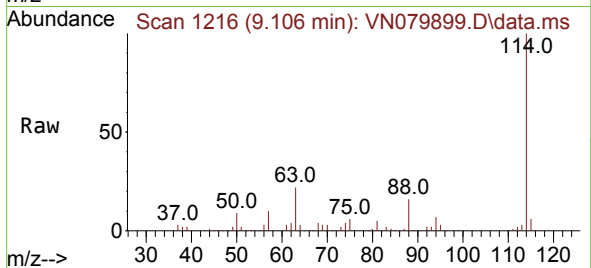
Tgt Ion:114 Resp: 472638

Ion Ratio Lower Upper

114 100

63 22.4 0.0 36.4

88 16.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.575 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079899.D

Acq: 04 Nov 2023 17:41

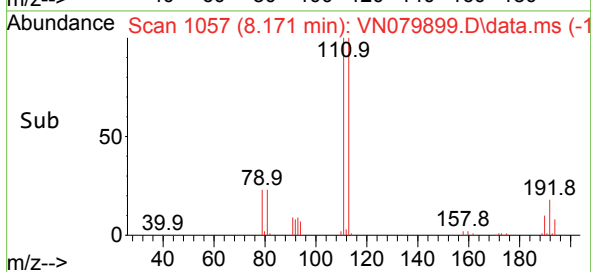
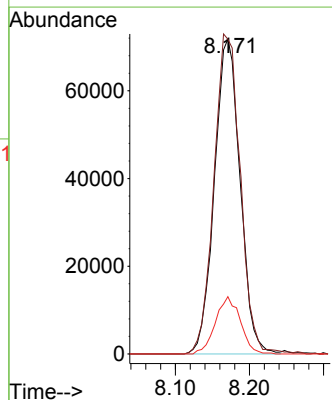
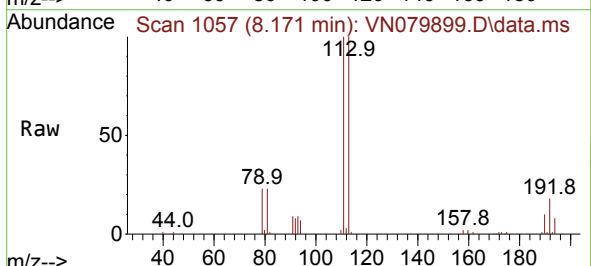
Tgt Ion:113 Resp: 172524

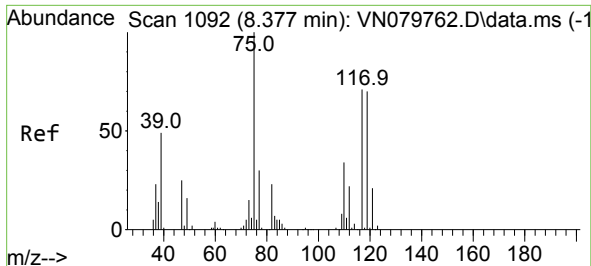
Ion Ratio Lower Upper

113 100

111 104.5 82.6 123.8

192 17.7 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.705 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079899.D

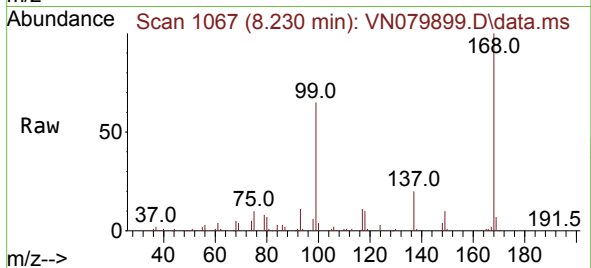
Acq: 04 Nov 2023 17:41

Instrument :

MSVOA_N

ClientSampleId :

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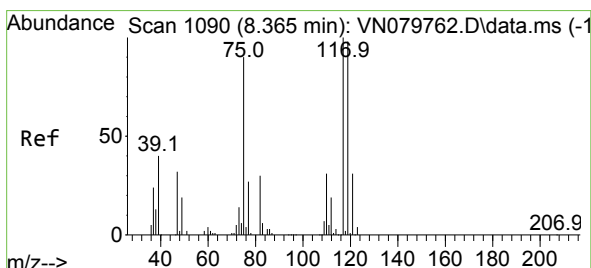
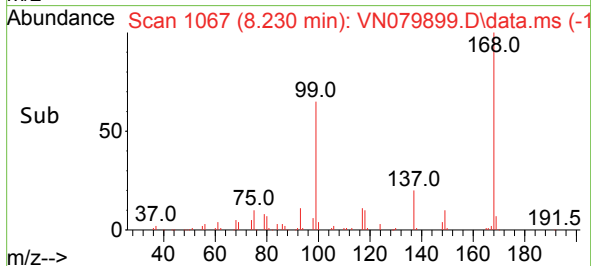
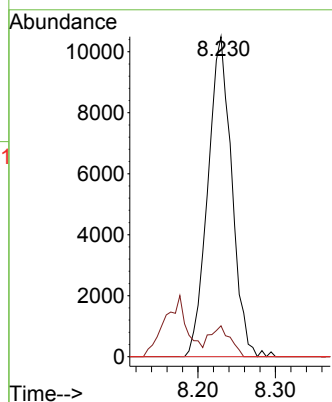
Tgt Ion: 75 Resp: 22471

Ion Ratio Lower Upper

75 100

110 8.3 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.228 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.129 min

Lab File: VN079899.D

Acq: 04 Nov 2023 17:41

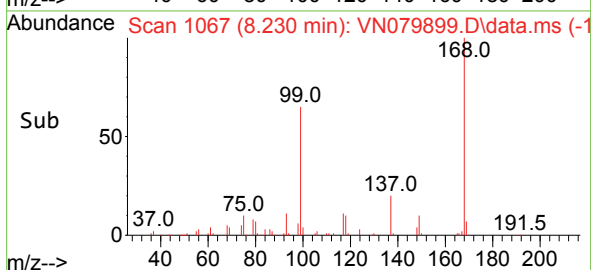
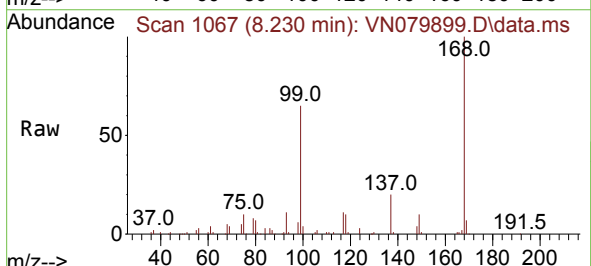
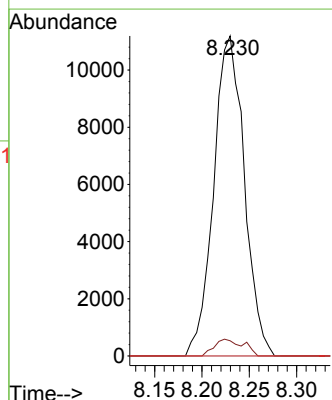
Tgt Ion: 117 Resp: 25165

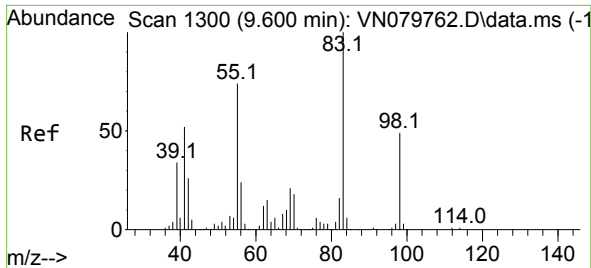
Ion Ratio Lower Upper

117 100

119 4.8 77.3 115.9#

121 0.0 23.3 34.9#

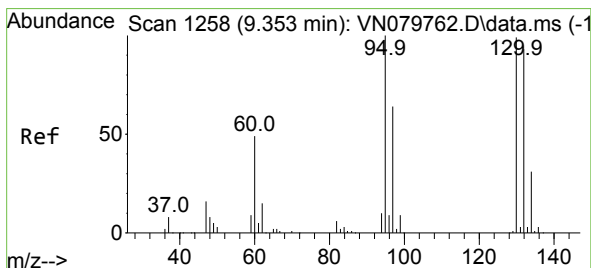
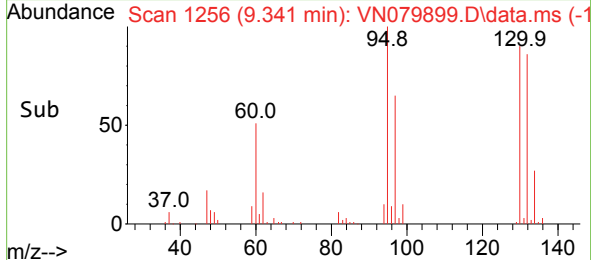
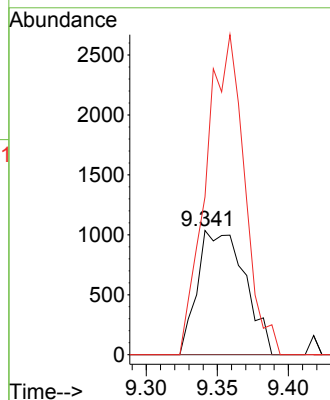
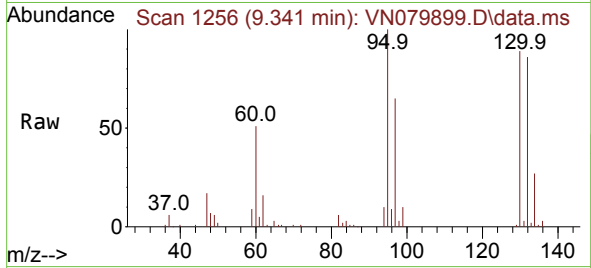




#39
Methylcyclohexane
Concen: 0.531 ug/l
RT: 9.341 min Scan# 1256
Delta R.T. -0.265 min
Lab File: VN079899.D
Acq: 04 Nov 2023 17:41

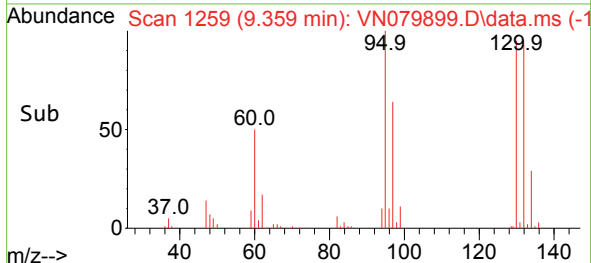
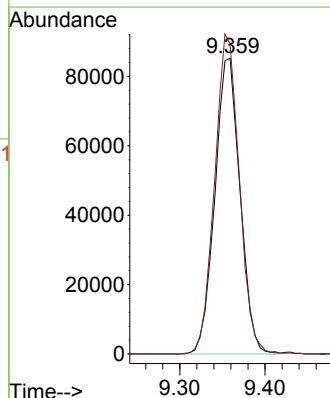
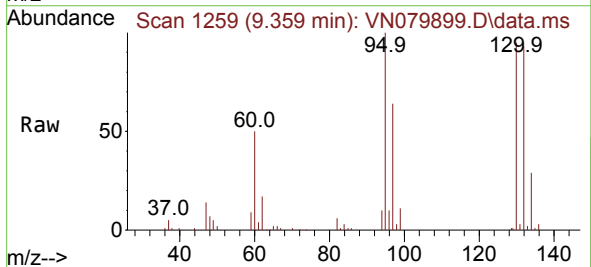
Instrument : MSVOA_N
ClientSampleId : FSND-MW-EVAL-03D-20231101DL

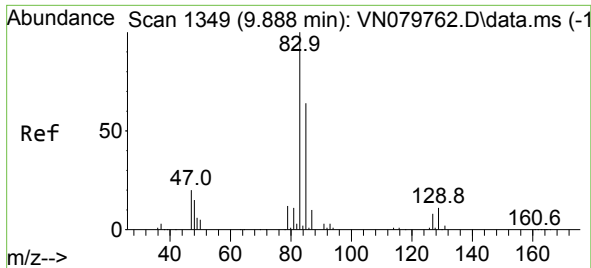
Tgt Ion: 83 Resp: 2389
Ion Ratio Lower Upper
83 100
55 0.0 49.1 73.7#
98 127.1 40.6 61.0#



#44
Trichloroethene
Concen: 49.218 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.006 min
Lab File: VN079899.D
Acq: 04 Nov 2023 17:41

Tgt Ion:130 Resp: 174719
Ion Ratio Lower Upper
130 100
95 104.7 0.0 204.6

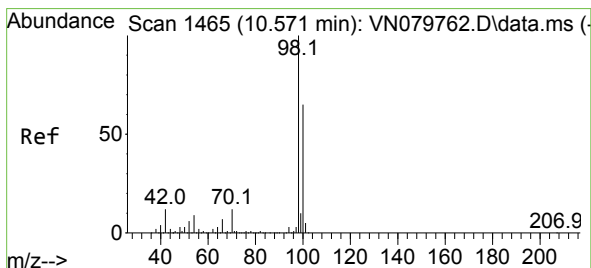
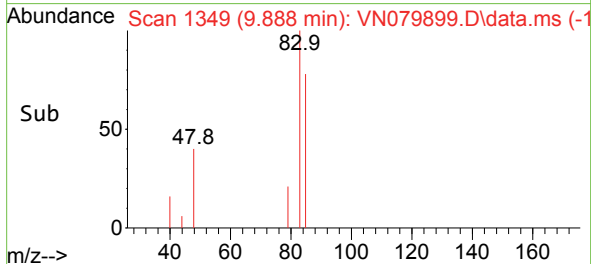
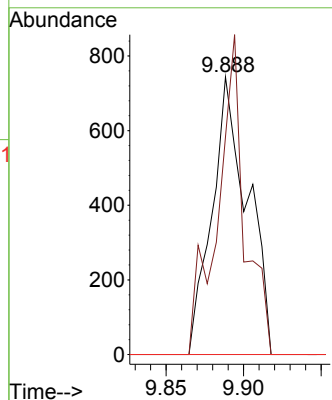
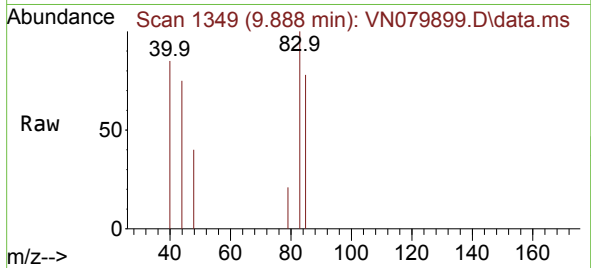




#47
Bromodichloromethane
Concen: 0.223 ug/l
RT: 9.888 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079899.D
Acq: 04 Nov 2023 17:41

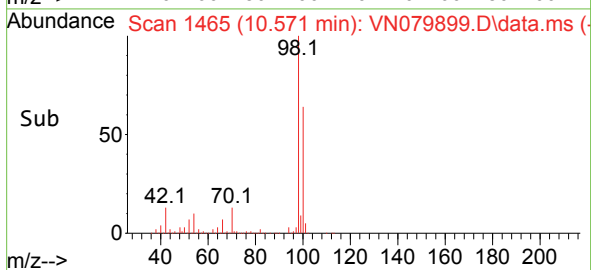
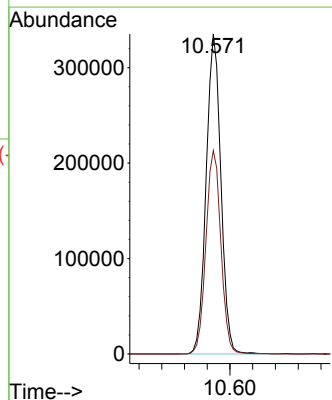
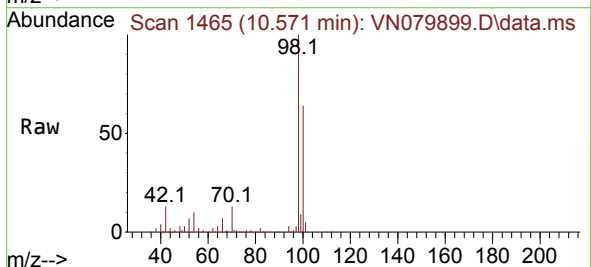
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-03D-20231101DL

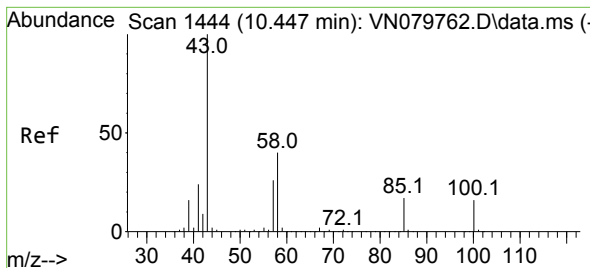
Tgt Ion: 83 Resp: 1186
Ion Ratio Lower Upper
83 100
85 78.4 49.6 74.4#
127 0.0 7.0 10.6#



#50
Toluene-d8
Concen: 48.811 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079899.D
Acq: 04 Nov 2023 17:41

Tgt Ion: 98 Resp: 601092
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0

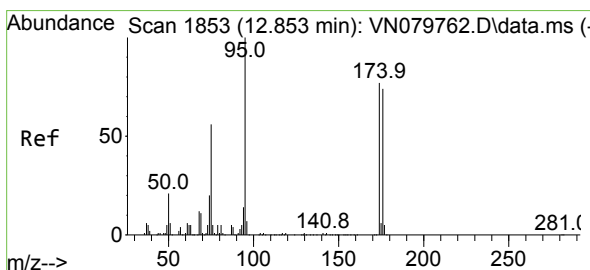
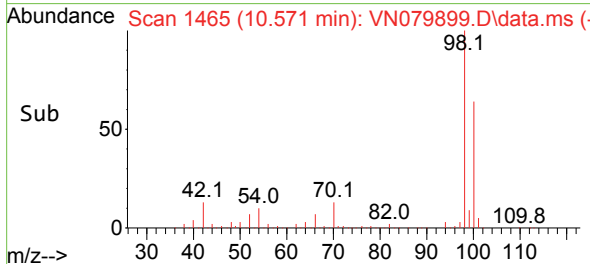
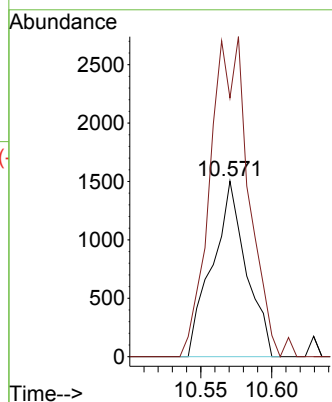
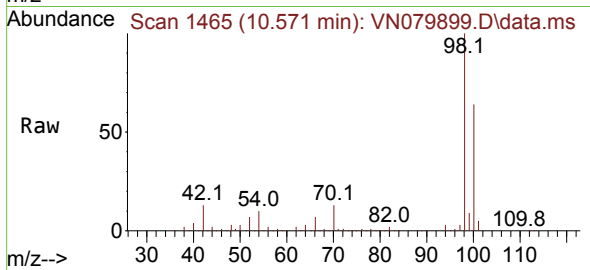




#51
4-Methyl-2-Pentanone
Concen: 0.576 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.124 min
Lab File: VN079899.D
Acq: 04 Nov 2023 17:41

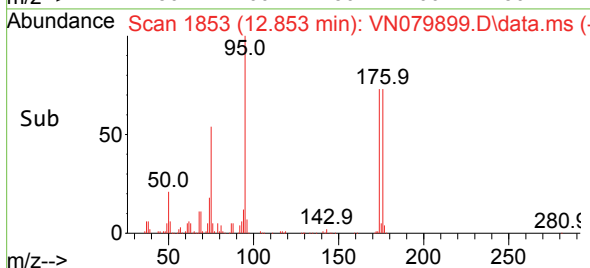
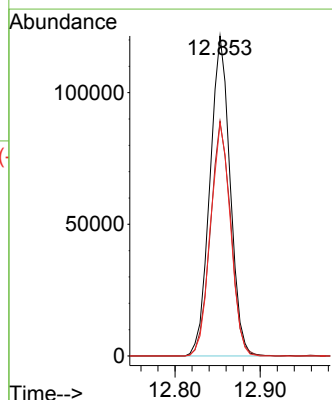
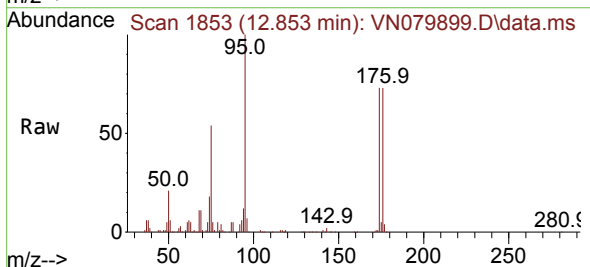
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-03D-20231101DL

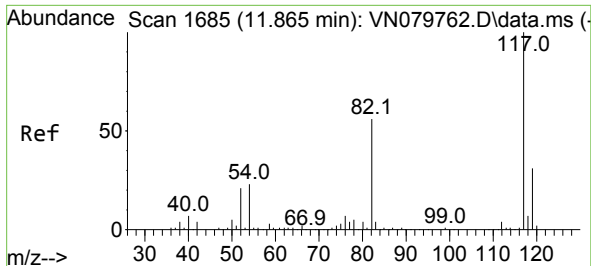
Tgt Ion: 43 Resp: 2490
Ion Ratio Lower Upper
43 100
58 209.1 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 48.958 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079899.D
Acq: 04 Nov 2023 17:41

Tgt Ion: 95 Resp: 199954
Ion Ratio Lower Upper
95 100
174 73.8 0.0 143.8
176 72.2 0.0 135.8

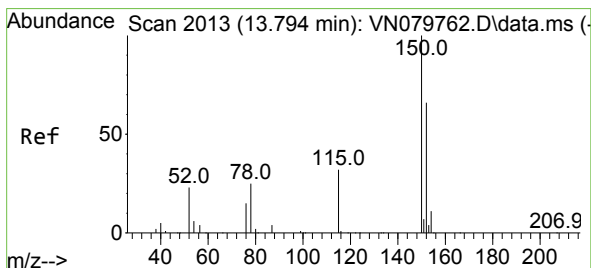
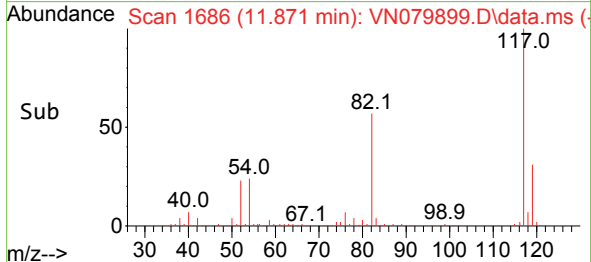
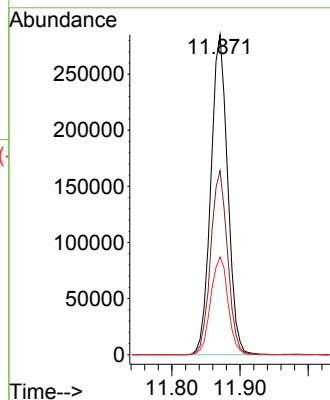
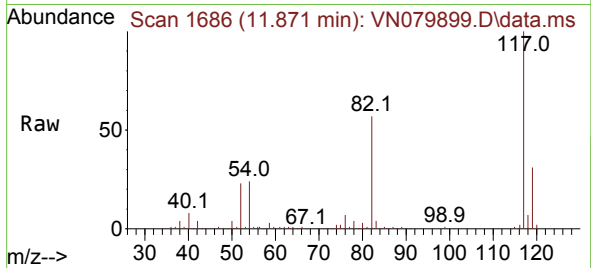




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079899.D
Acq: 04 Nov 2023 17:41

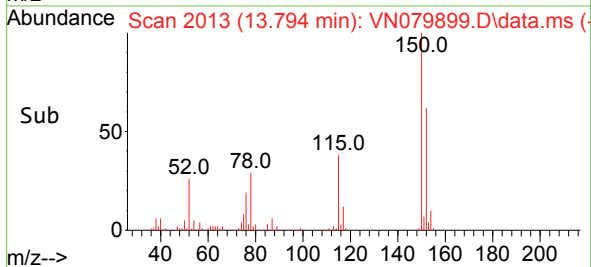
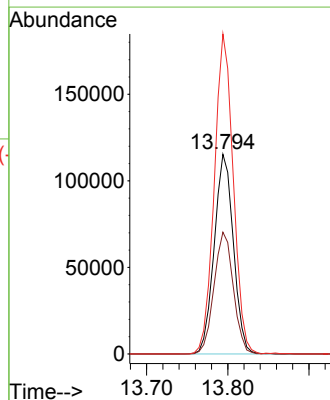
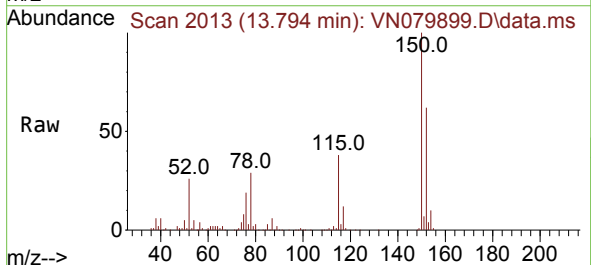
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-03D-20231101DL

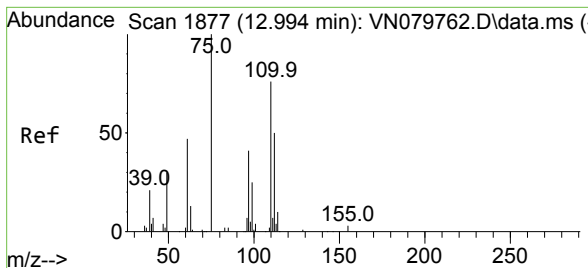
Tgt Ion:117 Resp: 489757
Ion Ratio Lower Upper
117 100
82 57.5 44.0 66.0
119 30.5 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN079899.D
Acq: 04 Nov 2023 17:41

Tgt Ion:152 Resp: 189256
Ion Ratio Lower Upper
152 100
115 61.5 32.3 96.8
150 158.1 0.0 355.8

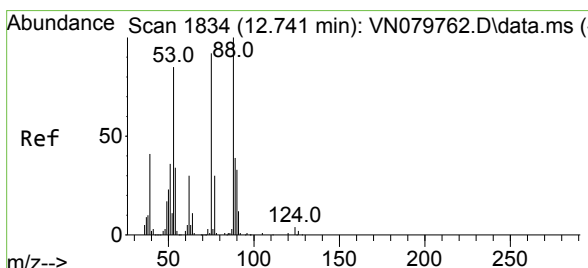
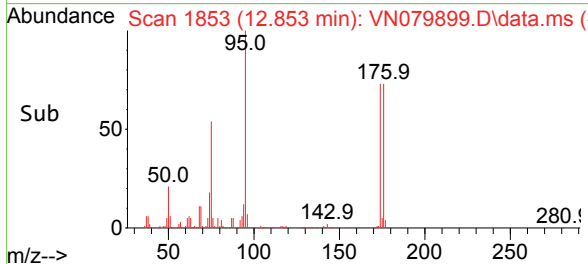
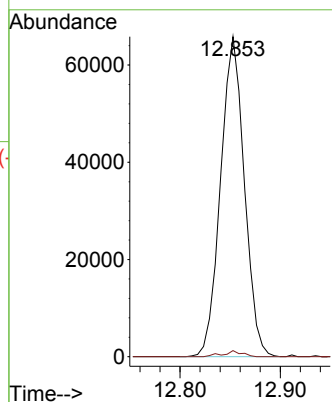
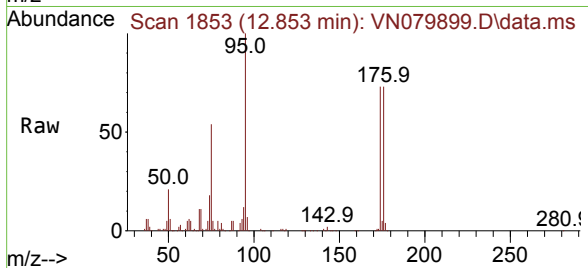




#76
1,2,3-Trichloropropane
Concen: 24.402 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079899.D
Acq: 04 Nov 2023 17:41

Instrument : MSVOA_N
ClientSampleId : FSND-MW-EVAL-03D-20231101DL

Tgt Ion: 75 Resp: 108424
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.393 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079899.D
Acq: 04 Nov 2023 17:41

Tgt Ion: 75 Resp: 108424
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#

