

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110723\
 Data File : VN079967.D
 Acq On : 07 Nov 2023 16:10
 Operator : JC\MD
 Sample : 05222-07DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-EVAL-02S-20231101DL

Quant Time: Nov 08 04:30:02 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

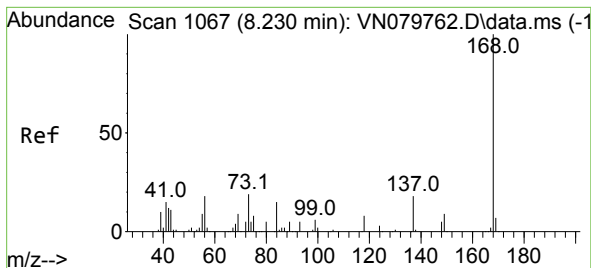
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	300518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	608254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	608848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	238403	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	262709	57.379	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.760%			
35) Dibromofluoromethane	8.171	113	216578	50.309	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.620%			
50) Toluene-d8	10.571	98	745738	47.055	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.120%			
62) 4-Bromofluorobenzene	12.853	95	257604	49.011	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.020%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1617	Below Cal	#	81
5) Bromomethane	2.965	94	693	0.241	ug/l #	71
16) Acetone	4.448	43	5027	3.126	ug/l #	79
18) Methyl Acetate	5.036	43	4038	0.525	ug/l #	68
20) Methylene Chloride	5.300	84	1363	0.336	ug/l #	76
25) 2-Butanone	7.506	43	861	0.366	ug/l #	37
27) cis-1,2-Dichloroethene	7.477	96	2395	0.555	ug/l	53
30) Chloroform	7.965	83	2612	0.345	ug/l	95
31) Cyclohexane	8.224	56	8535	1.411	ug/l #	60
32) 1,1,1-Trichloroethane	8.177	97	5968	0.966	ug/l #	48
36) 1,1-Dichloropropene	8.230	75	28373	4.616	ug/l #	48
38) Carbon Tetrachloride	8.230	117	33708	5.441	ug/l #	15
39) Methylcyclohexane	9.353	83	1396	0.241	ug/l #	3
43) Isopropyl Acetate	8.706	43	4243	0.429	ug/l #	49
44) Trichloroethene	9.359	130	81906	17.929	ug/l	99
60) Dibromochloromethane	11.112	129	16660	3.545	ug/l #	11
64) Tetrachloroethene	11.112	164	16326	4.140	ug/l	94
71) Bromoform	12.847	173	1934	0.572	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	143583	25.654	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	143583	69.797	ug/l #	15
95) Naphthalene	15.647	128	2997	0.239	ug/l #	81

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

Quant Time: Nov 08 04:30:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN079967.D

Acq: 07 Nov 2023 16:10

Instrument :

MSVOA_N

ClientSampleId :

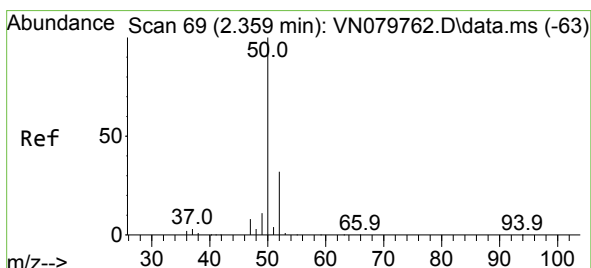
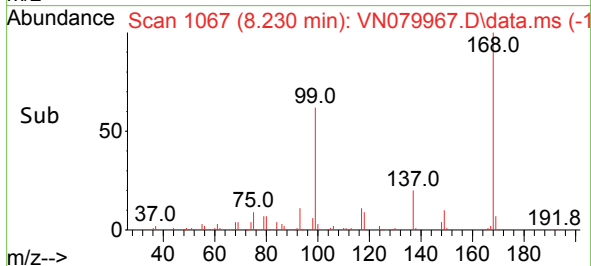
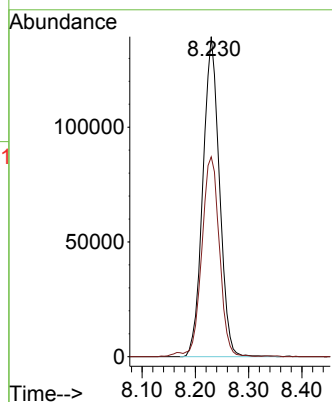
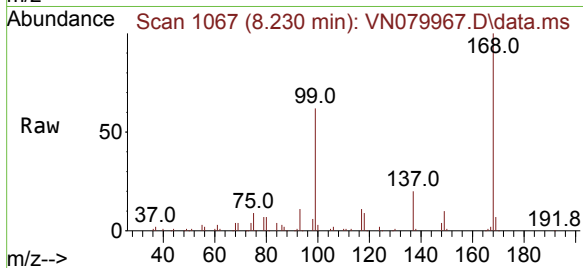
FSND-MW-EVAL-02S-20231101DL

Tgt Ion:168 Resp: 300518

Ion Ratio Lower Upper

168 100

99 62.3 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN079967.D

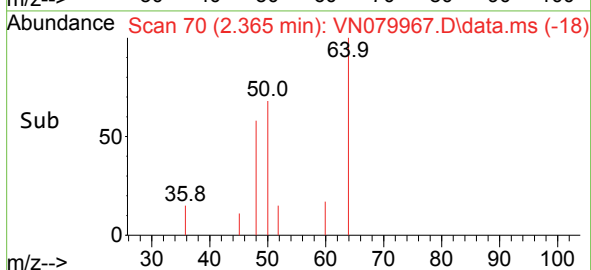
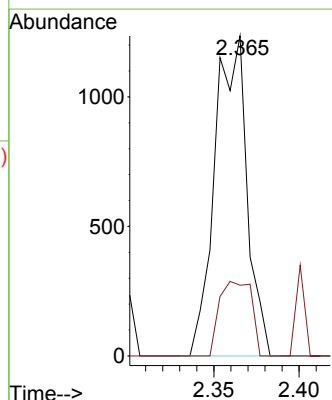
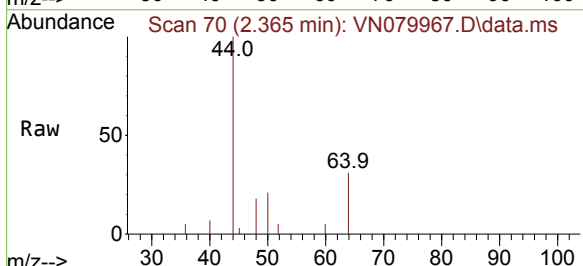
Acq: 07 Nov 2023 16:10

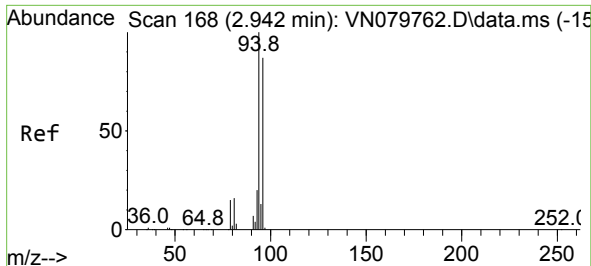
Tgt Ion: 50 Resp: 1617

Ion Ratio Lower Upper

50 100

52 22.1 26.5 39.7#

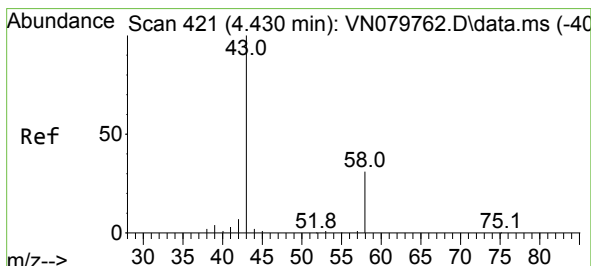
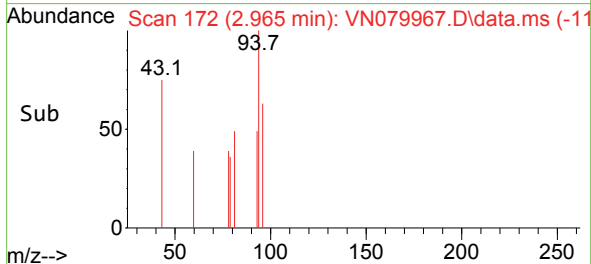
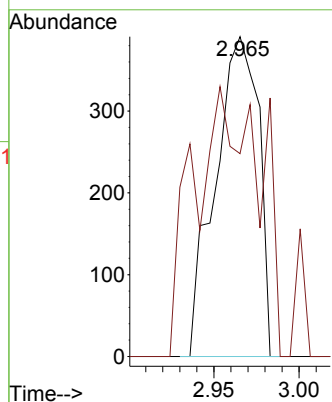
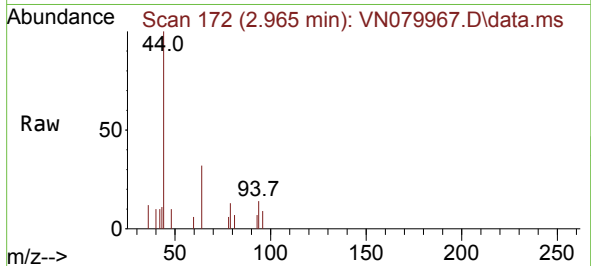




#5
Bromomethane
Concen: 0.241 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN079967.D
Acq: 07 Nov 2023 16:10

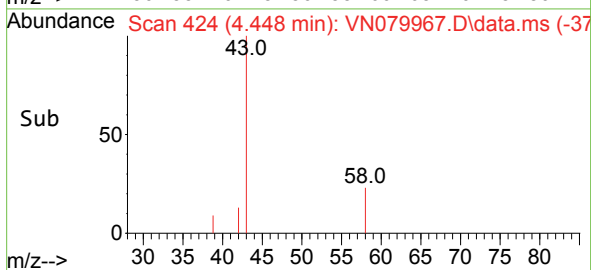
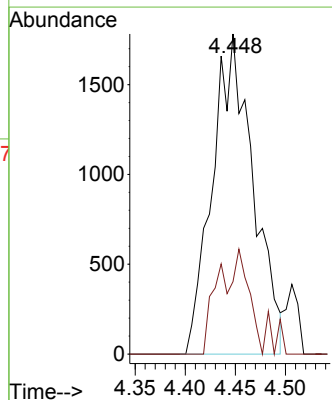
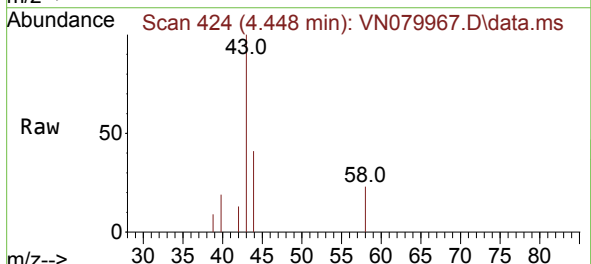
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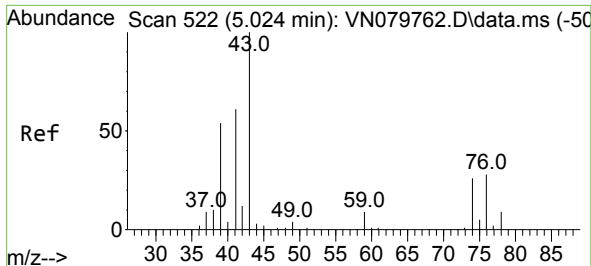
Tgt Ion: 94 Resp: 693
Ion Ratio Lower Upper
94 100
96 63.4 73.1 109.7#



#16
Acetone
Concen: 3.126 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN079967.D
Acq: 07 Nov 2023 16:10

Tgt Ion: 43 Resp: 5027
Ion Ratio Lower Upper
43 100
58 22.6 28.0 42.0#

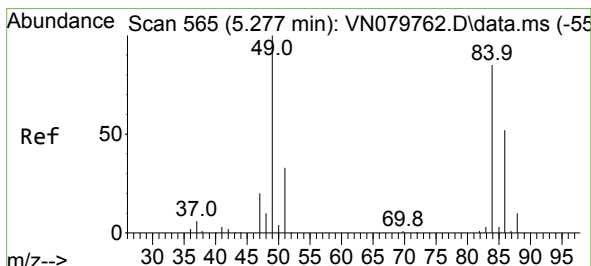
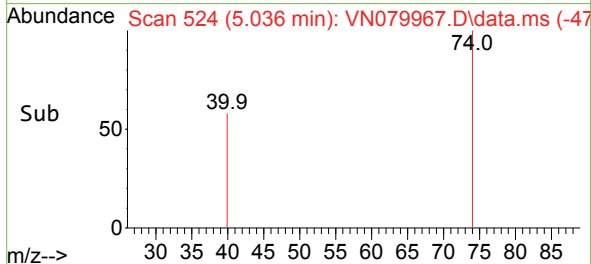
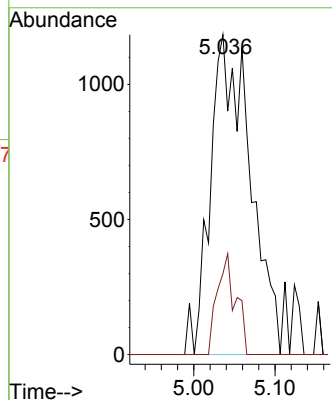
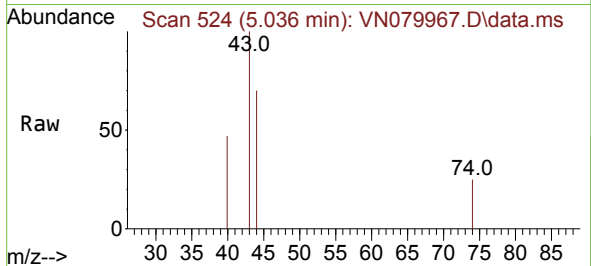




#18
Methyl Acetate
Concen: 0.525 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN079967.D
Acq: 07 Nov 2023 16:10

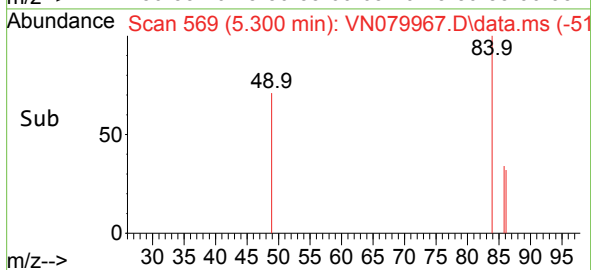
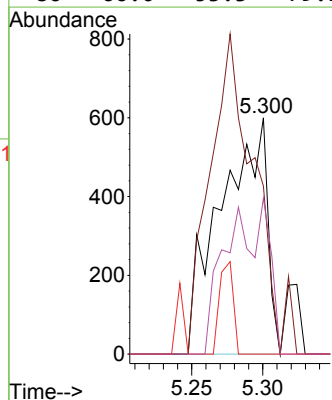
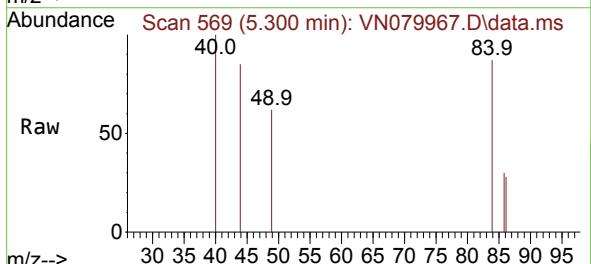
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-02S-20231101DL

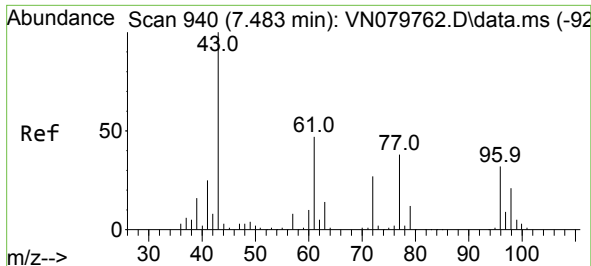
Tgt Ion: 43 Resp: 4038
Ion Ratio Lower Upper
43 100
74 14.6 26.2 39.4#



#20
Methylene Chloride
Concen: 0.336 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.030 min
Lab File: VN079967.D
Acq: 07 Nov 2023 16:10

Tgt Ion: 84 Resp: 1363
Ion Ratio Lower Upper
84 100
49 71.2 79.7 119.5#
51 0.0 25.2 37.8#
86 66.0 53.3 79.9

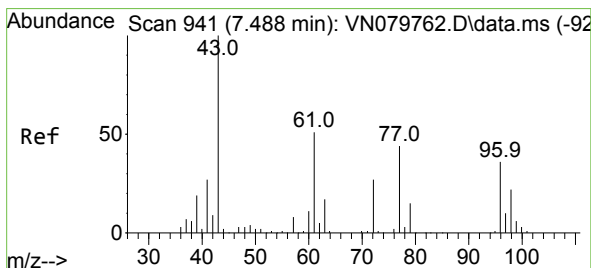
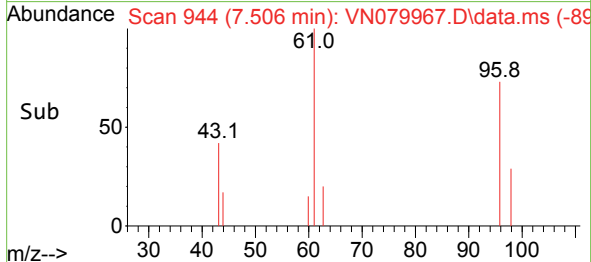
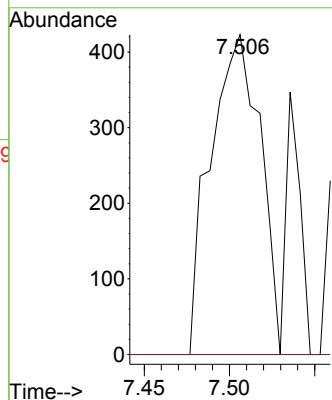
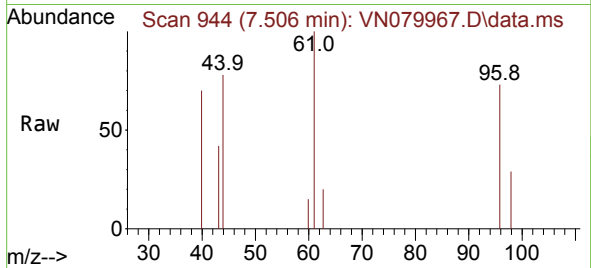




#25
2-Butanone
Concen: 0.366 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN079967.D
Acq: 07 Nov 2023 16:10

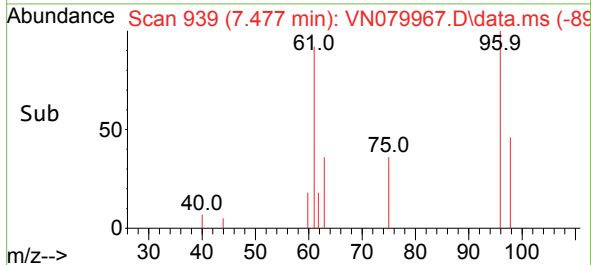
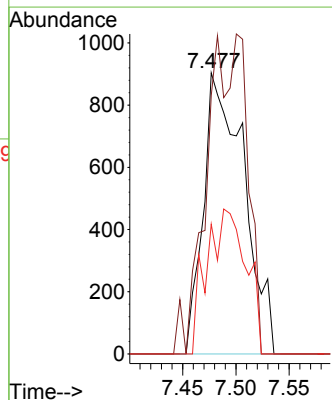
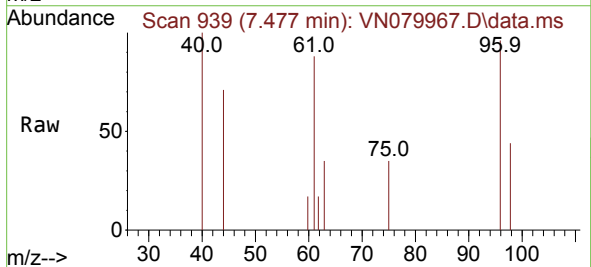
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-02S-20231101DL

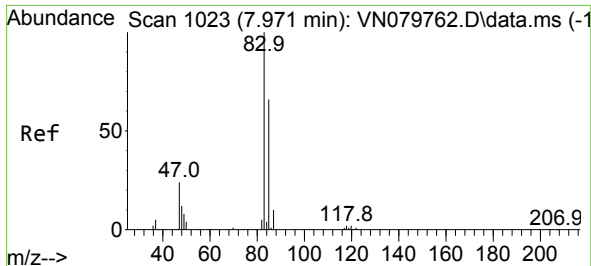
Tgt Ion: 43 Resp: 861
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#27
cis-1,2-Dichloroethene
Concen: 0.555 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.012 min
Lab File: VN079967.D
Acq: 07 Nov 2023 16:10

Tgt Ion: 96 Resp: 2395
Ion Ratio Lower Upper
96 100
61 57.6 0.0 255.2
98 50.1 0.0 128.8





#30

Chloroform

Concen: 0.345 ug/l

RT: 7.965 min Scan# 1066

Delta R.T. -0.006 min

Lab File: VN079967.D

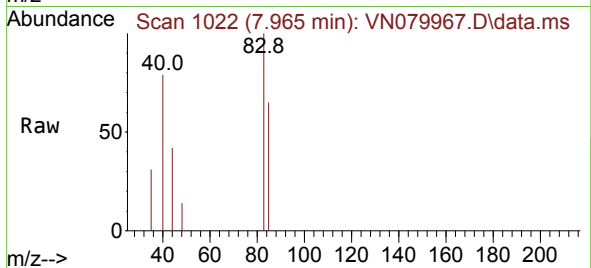
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Instrument :

MSVOA_N

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FSND-MW-EVAL-02S-20231101DL

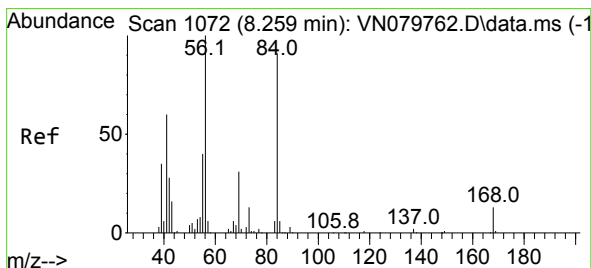
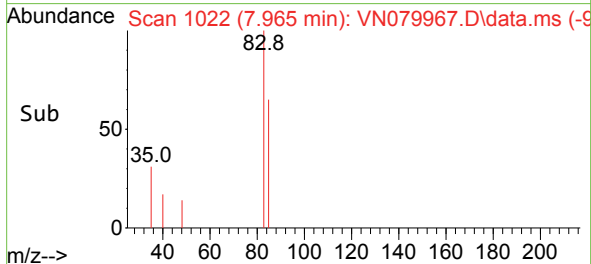
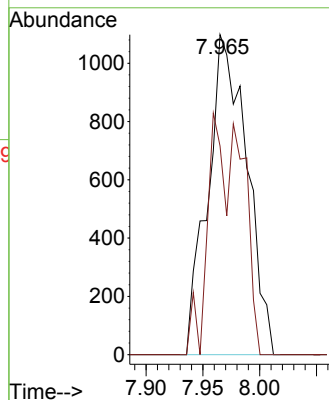


Tgt Ion: 83 Resp: 2612

Ion Ratio Lower Upper

83 100

85 65.2 55.4 83.0



#31

Cyclohexane

Concen: 1.411 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN079967.D

Acq: 07 Nov 2023 16:10

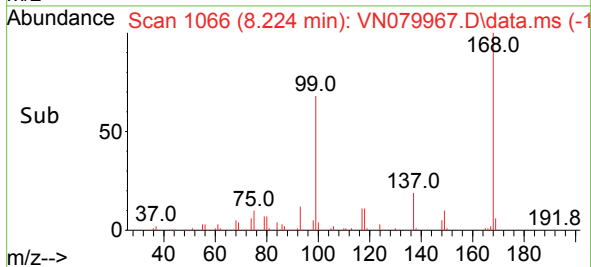
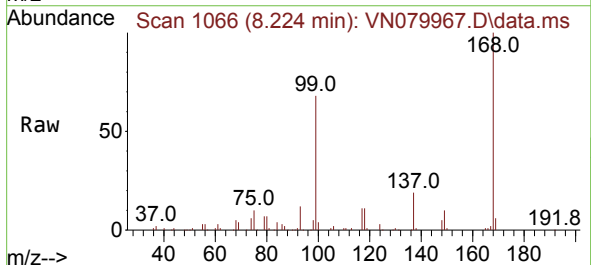
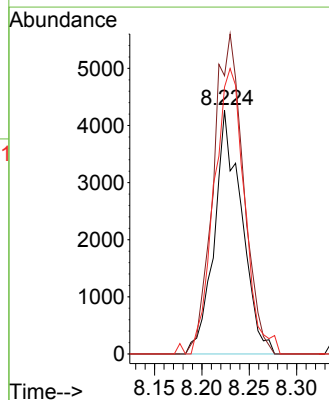
Tgt Ion: 56 Resp: 8535

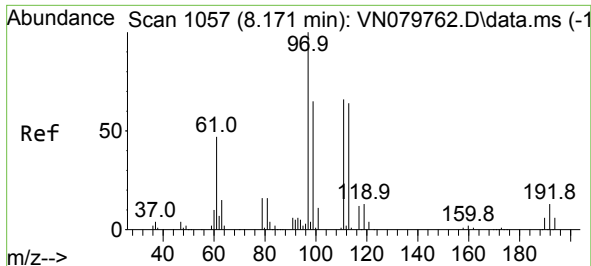
Ion Ratio Lower Upper

56 100

69 114.2 26.8 40.2#

84 109.5 81.8 122.6





#32

1,1,1-Trichloroethane

Concen: 0.966 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN079967.D

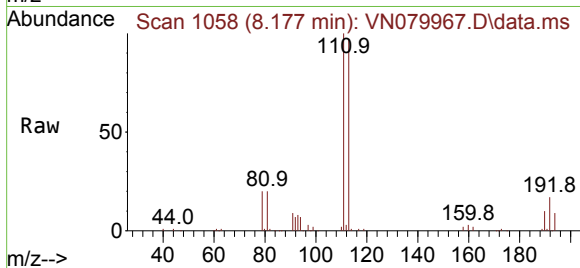
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Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-02S-20231101DL



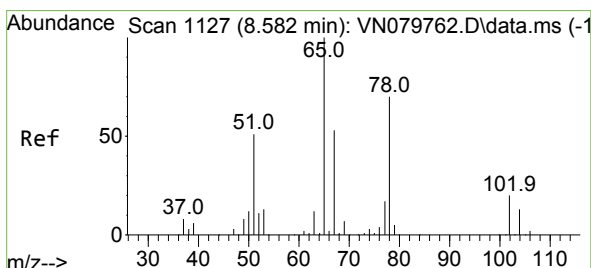
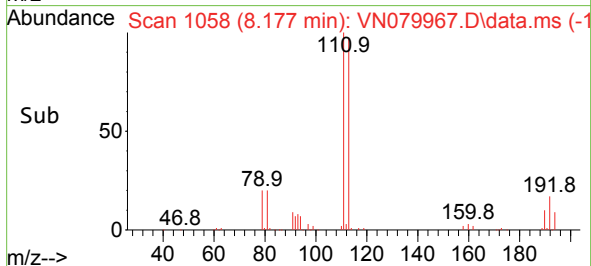
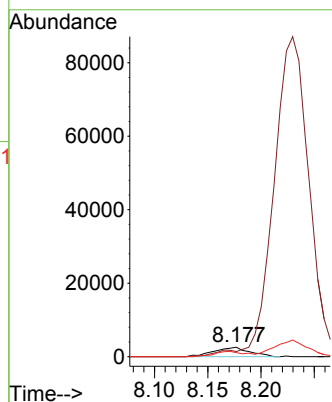
Tgt Ion: 97 Resp: 5968

Ion Ratio Lower Upper

97 100

99 0.0 50.3 75.5#

61 49.9 34.7 52.1



#33

1,2-Dichloroethane-d4

Concen: 57.379 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079967.D

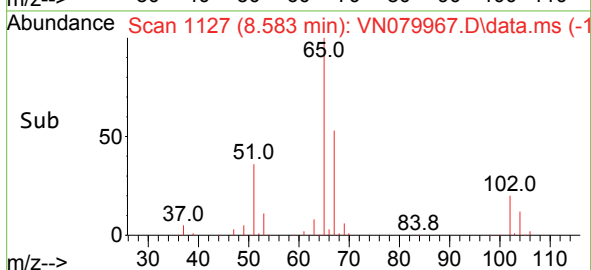
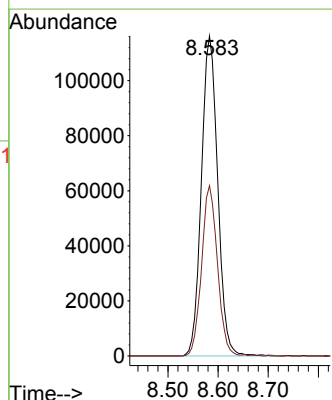
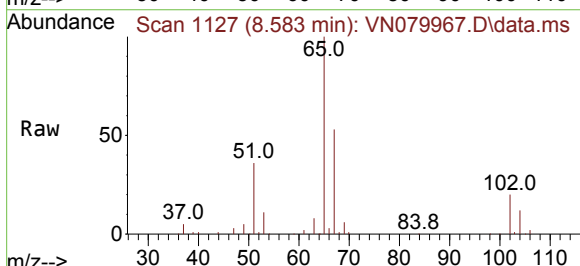
Acq: 07 Nov 2023 16:10

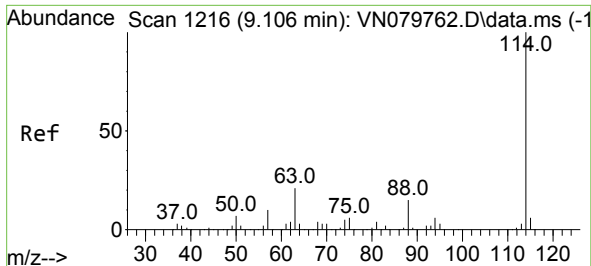
Tgt Ion: 65 Resp: 262709

Ion Ratio Lower Upper

65 100

67 51.8 0.0 106.6

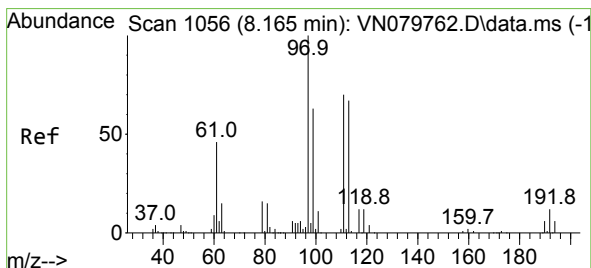
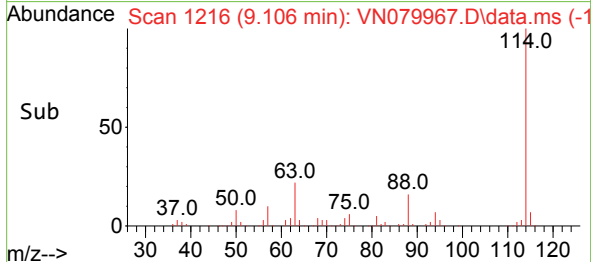
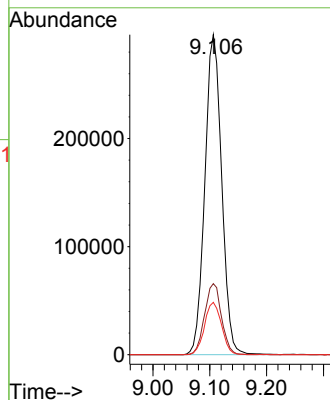
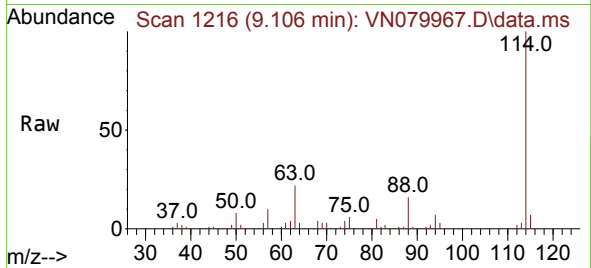




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079967.D
Acq: 07 Nov 2023 16:10

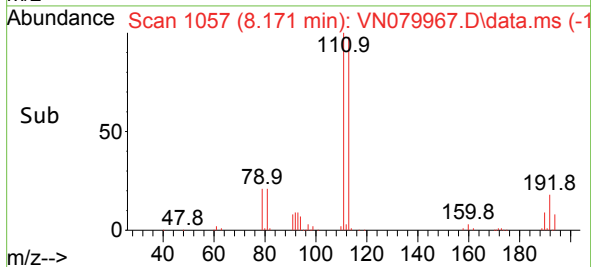
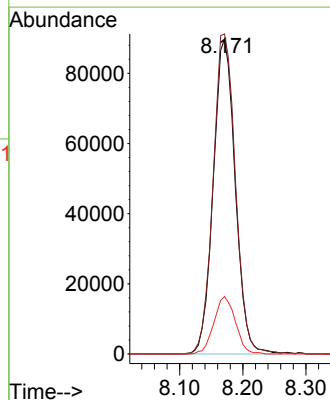
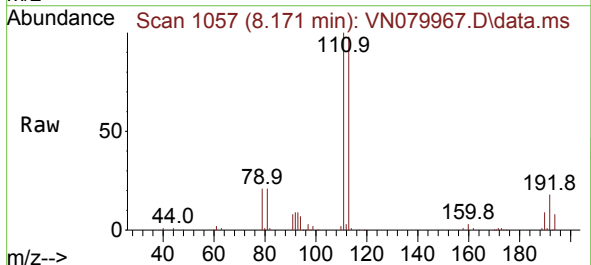
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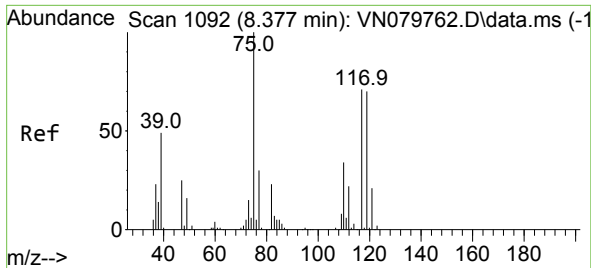
Tgt Ion:114 Resp: 608254
Ion Ratio Lower Upper
114 100
63 22.2 0.0 36.4
88 16.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.309 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079967.D
Acq: 07 Nov 2023 16:10

Tgt Ion:113 Resp: 216578
Ion Ratio Lower Upper
113 100
111 103.8 82.6 123.8
192 17.9 12.7 19.1

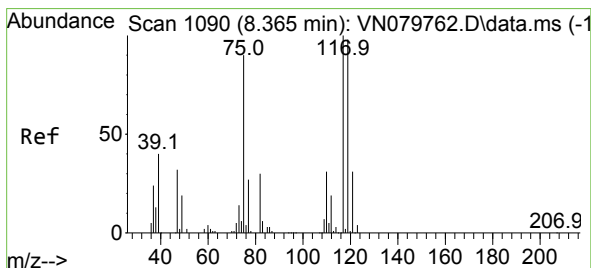
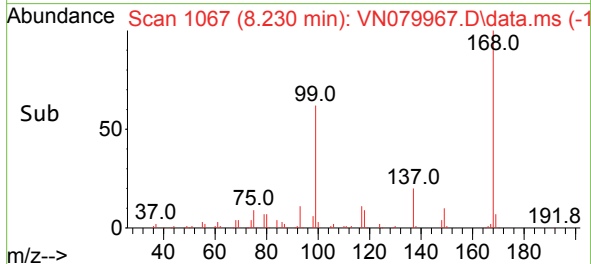
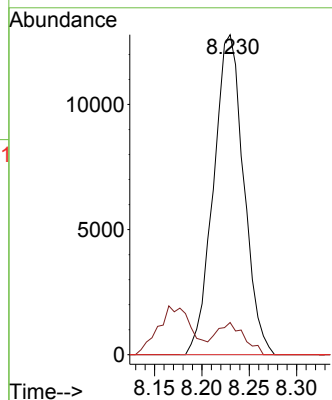
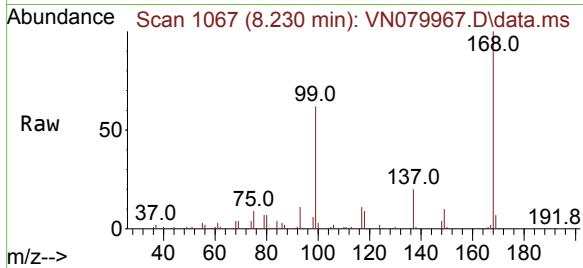




#36
1,1-Dichloropropene
Concen: 4.616 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079967.D
Acq: 07 Nov 2023 16:10

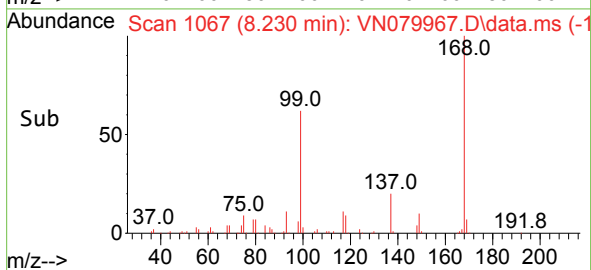
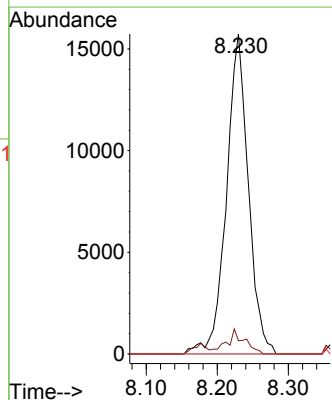
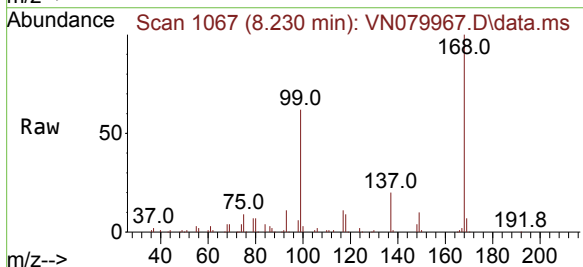
Instrument : MSVOA_N
ClientSampleId : FSND-MW-EVAL-02S-20231101DL

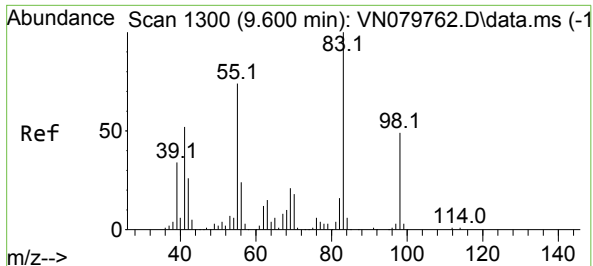
Tgt Ion: 75 Resp: 28373
Ion Ratio Lower Upper
75 100
110 9.1 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.441 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN079967.D
Acq: 07 Nov 2023 16:10

Tgt Ion: 117 Resp: 33708
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 23.3 34.9#





#39

Methylcyclohexane

Concen: 0.241 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.253 min

Lab File: VN079967.D

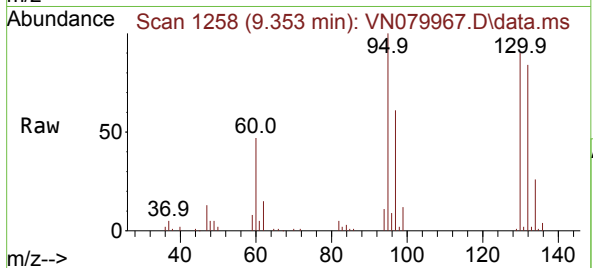
Acq: 07 Nov 2023 16:10

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-02S-20231101DL



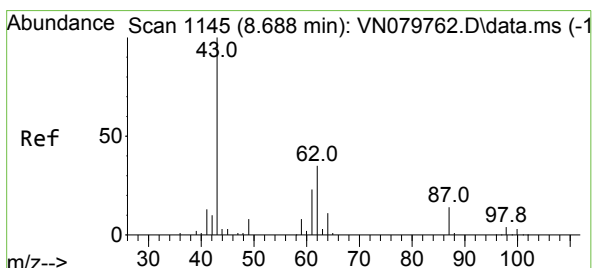
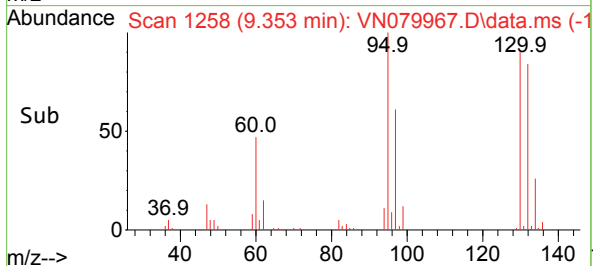
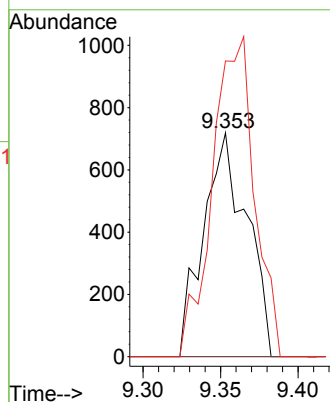
Tgt Ion: 83 Resp: 1396

Ion Ratio Lower Upper

83 100

55 0.0 49.1 73.7#

98 132.1 40.6 61.0#



#43

Isopropyl Acetate

Concen: 0.429 ug/l

RT: 8.706 min Scan# 1148

Delta R.T. 0.018 min

Lab File: VN079967.D

Acq: 07 Nov 2023 16:10

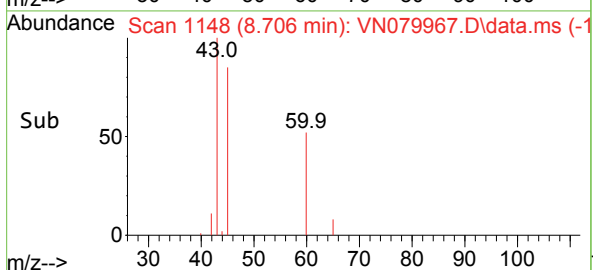
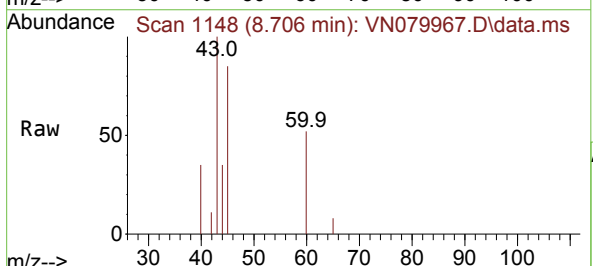
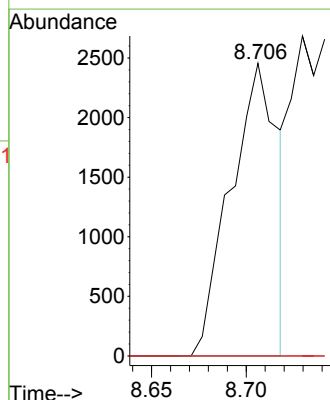
Tgt Ion: 43 Resp: 4243

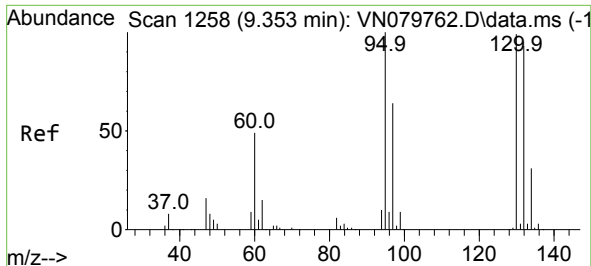
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#

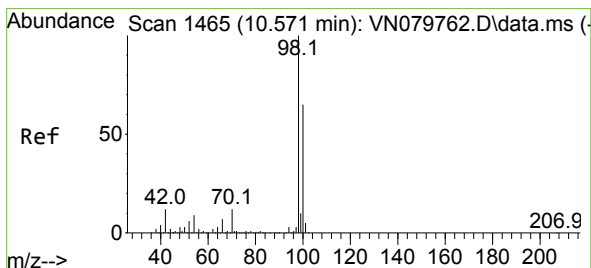
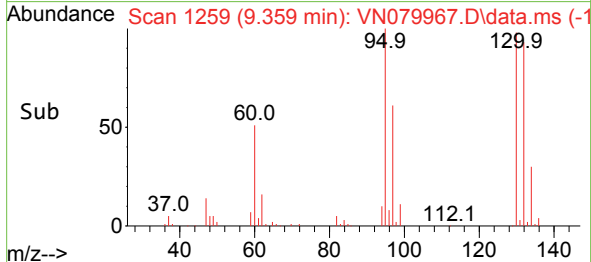
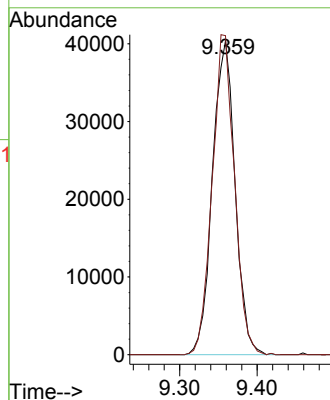
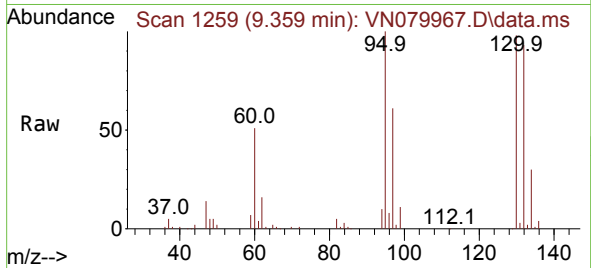




#44
Trichloroethene
Concen: 17.929 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079967.D
Acq: 07 Nov 2023 16:10

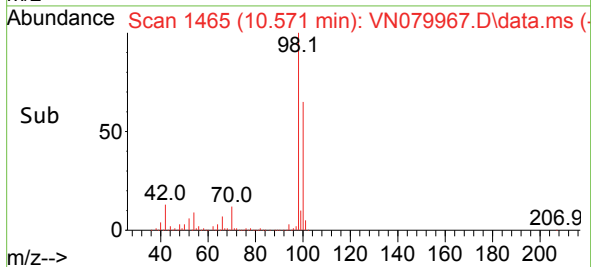
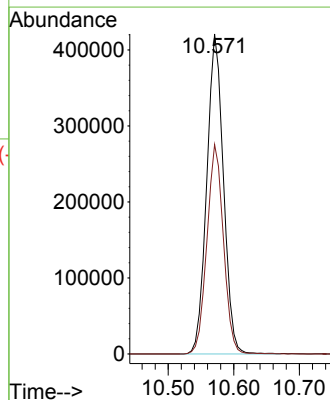
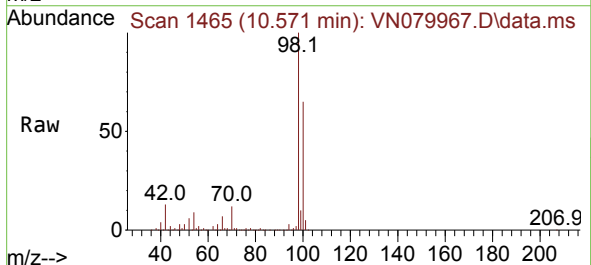
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-EVAL-02S-20231101DL

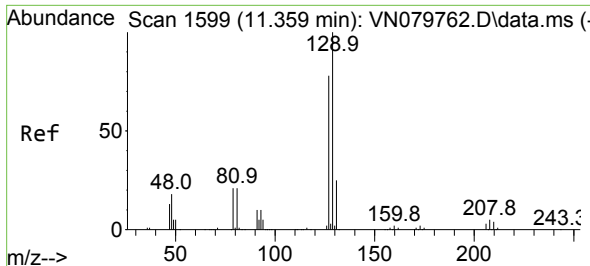
Tgt Ion:130 Resp: 81906
Ion Ratio Lower Upper
130 100
95 101.7 0.0 204.6



#50
Toluene-d8
Concen: 47.055 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079967.D
Acq: 07 Nov 2023 16:10

Tgt Ion: 98 Resp: 745738
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0

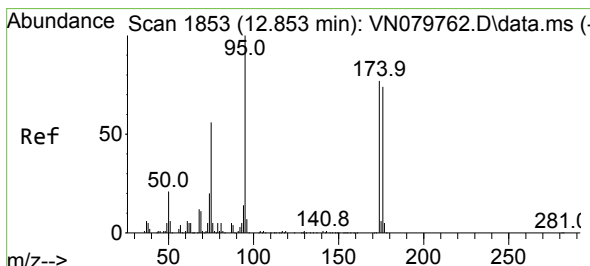
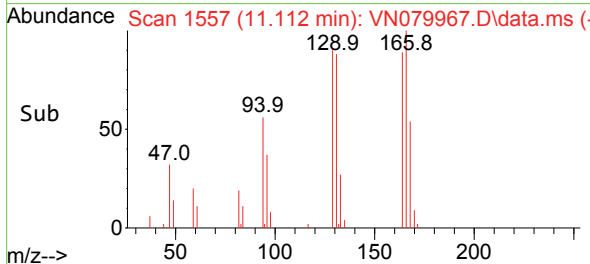
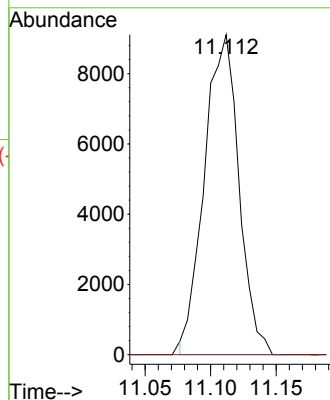
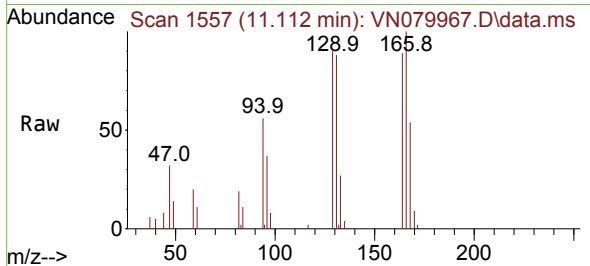




#60
 Dibromochloromethane
 Concen: 3.545 ug/l
 RT: 11.112 min Scan# 11
 Delta R.T. -0.253 min
 Lab File: VN079967.D
 Acq: 07 Nov 2023 16:10

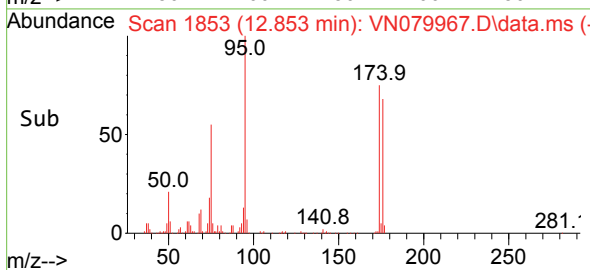
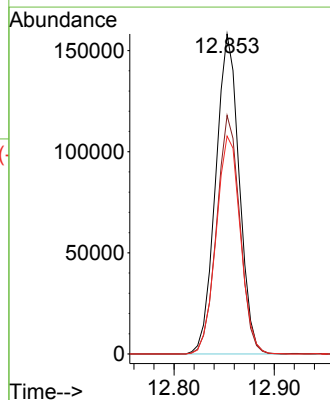
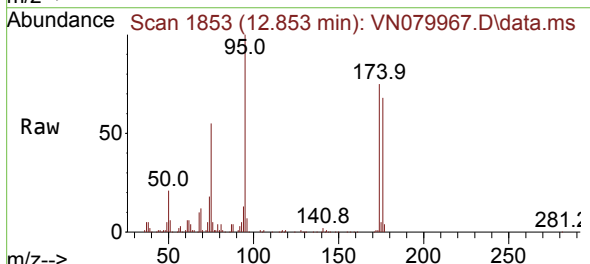
Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-EVAL-02S-20231101DL

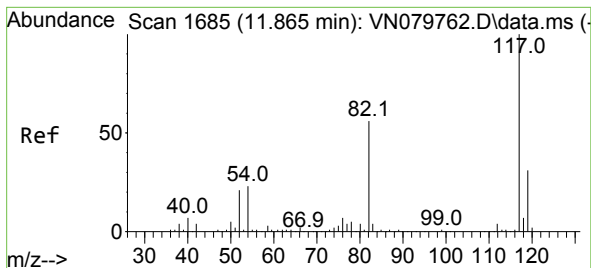
Tgt Ion:129 Resp: 16660
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 116.0#



#62
 4-Bromofluorobenzene
 Concen: 49.011 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN079967.D
 Acq: 07 Nov 2023 16:10

Tgt Ion: 95 Resp: 257604
 Ion Ratio Lower Upper
 95 100
 174 73.6 0.0 143.8
 176 70.5 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079967.D

Acq: 07 Nov 2023 16:10

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-02S-20231101DL

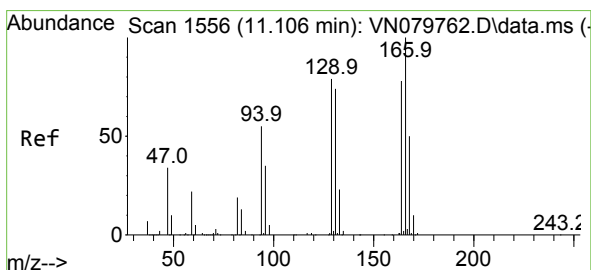
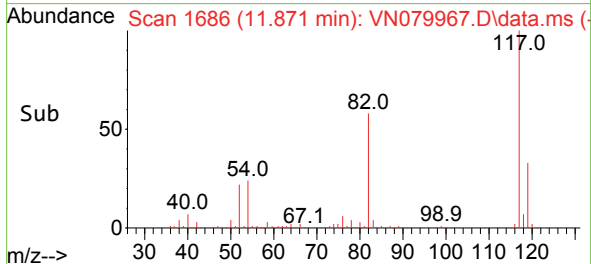
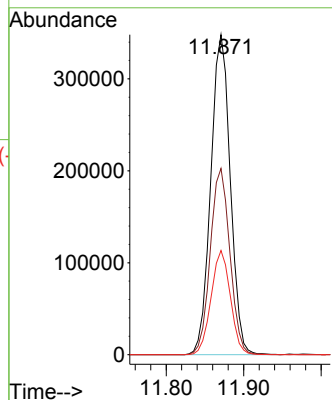
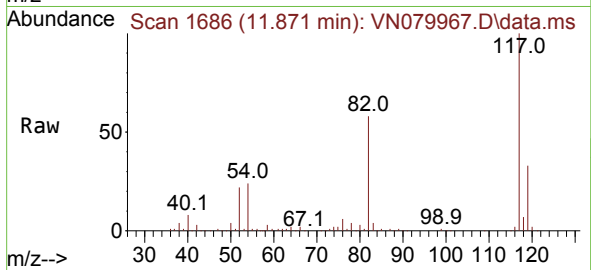
Tgt Ion:117 Resp: 608848

Ion Ratio Lower Upper

117 100

82 58.2 44.0 66.0

119 32.5 25.6 38.4



#64

Tetrachloroethene

Concen: 4.140 ug/l

RT: 11.112 min Scan# 1557

Delta R.T. 0.006 min

Lab File: VN079967.D

Acq: 07 Nov 2023 16:10

Tgt Ion:164 Resp: 16326

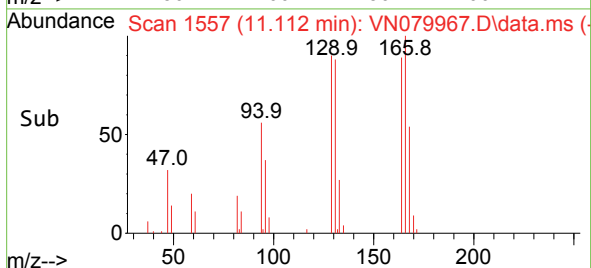
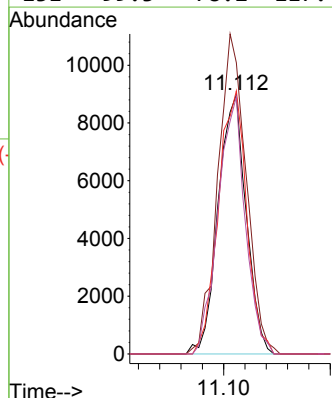
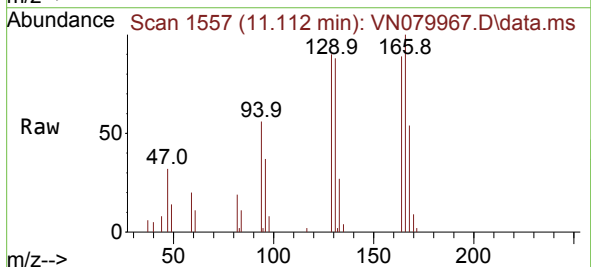
Ion Ratio Lower Upper

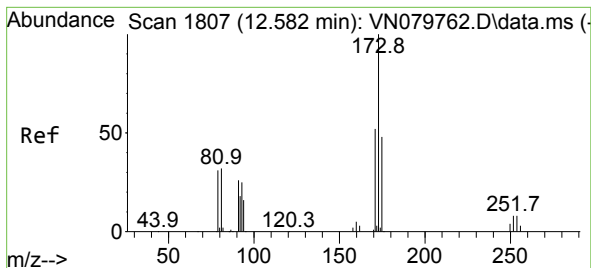
164 100

166 112.4 101.4 152.0

129 101.5 82.4 123.6

131 99.3 78.2 117.4





#71

Bromoform

Concen: 0.572 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN079967.D

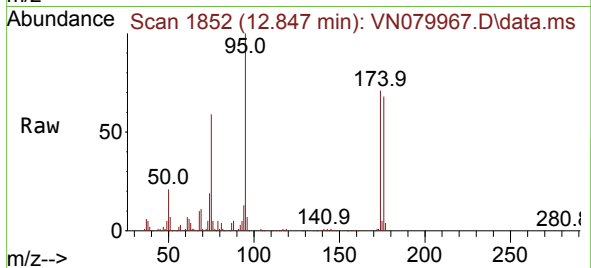
Acq: 07 Nov 2023 16:10

Instrument :

MSVOA_N

ClientSampleId :

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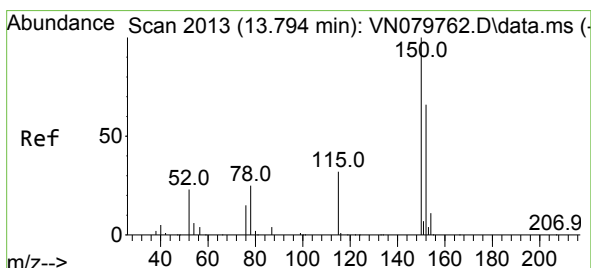
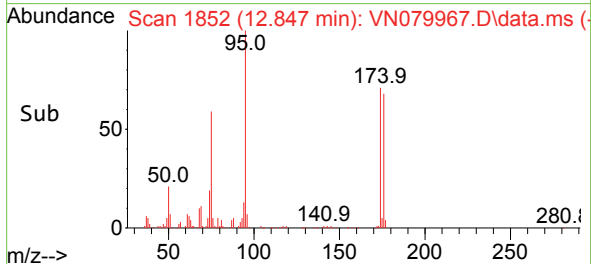
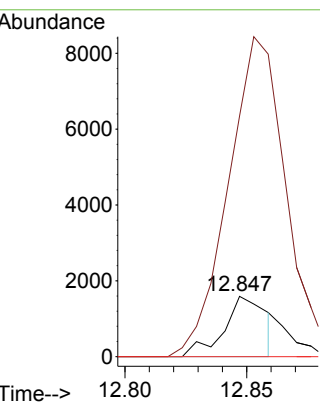
Tgt Ion:173 Resp: 1934

Ion Ratio Lower Upper

173 100

175 544.2 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.006 min

Lab File: VN079967.D

Acq: 07 Nov 2023 16:10

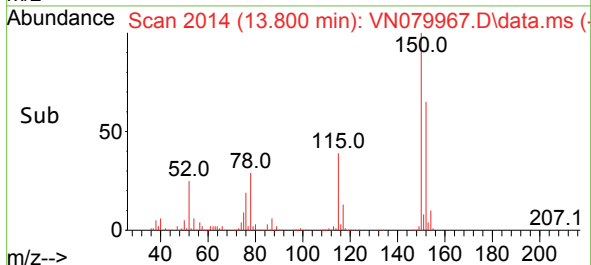
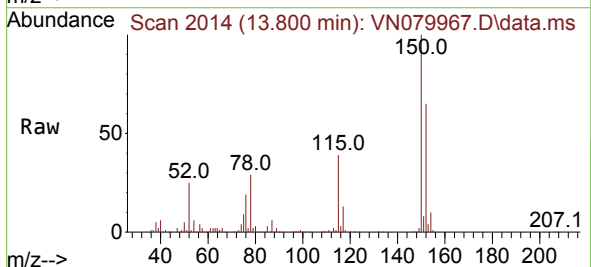
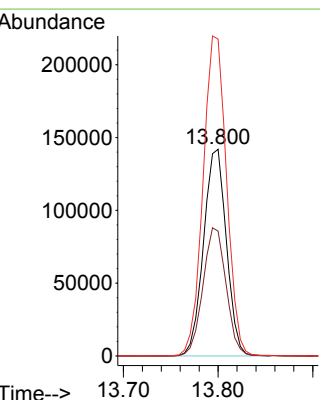
Tgt Ion:152 Resp: 238403

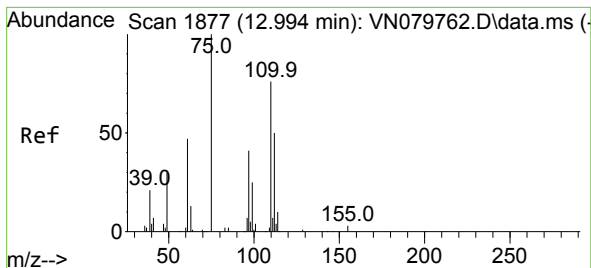
Ion Ratio Lower Upper

152 100

115 62.7 32.3 96.8

150 158.8 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 25.654 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079967.D

Acq: 07 Nov 2023 16:10

Instrument :

MSVOA_N

ClientSampleId :

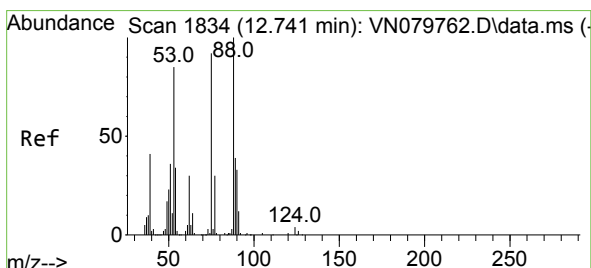
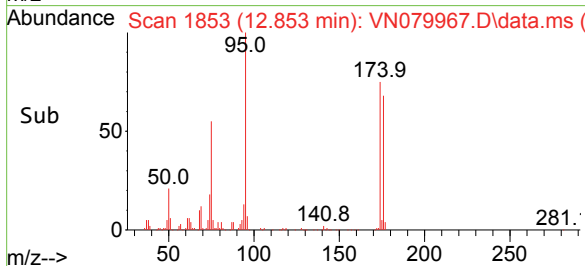
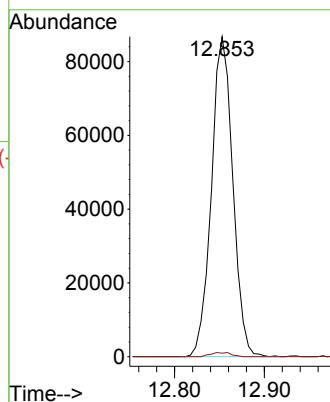
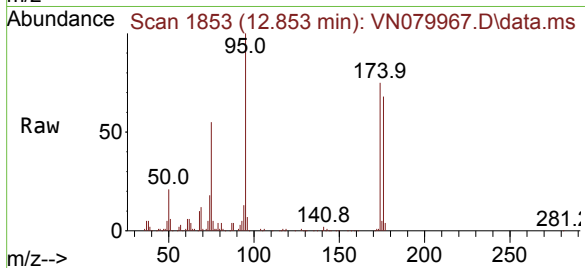
FSND-MW-EVAL-02S-20231101DL

Tgt Ion: 75 Resp: 143583

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.797 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN079967.D

Acq: 07 Nov 2023 16:10

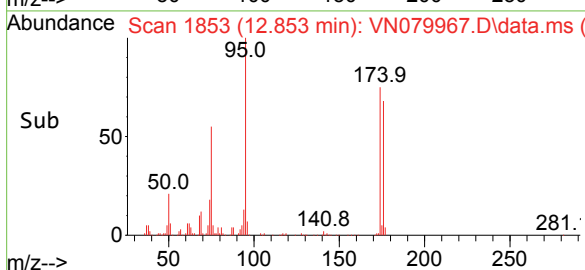
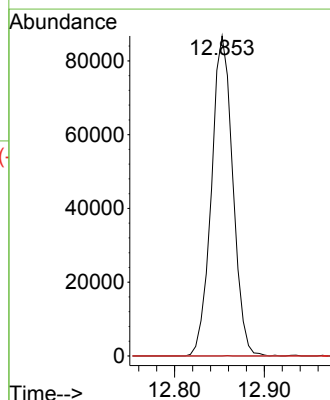
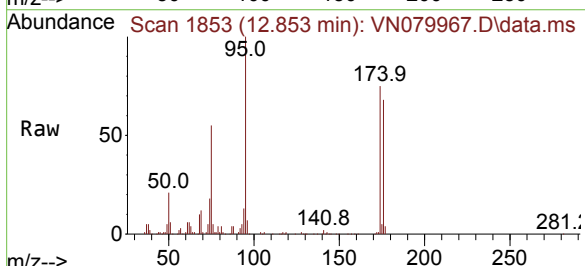
Tgt Ion: 75 Resp: 143583

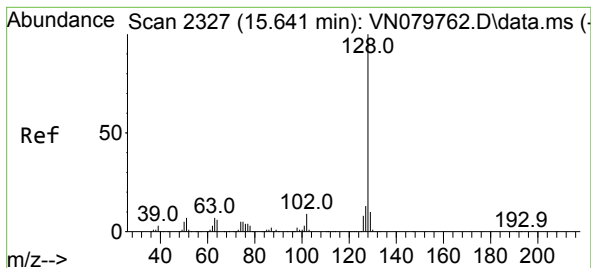
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#





#95

Naphthalene

Concen: 0.239 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN079967.D

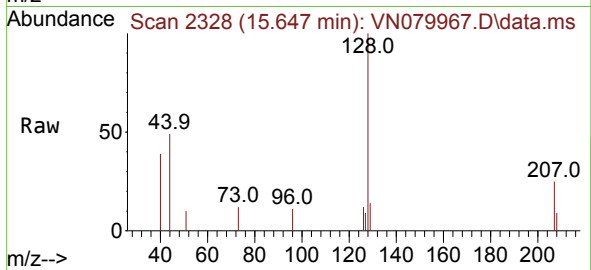
Acq: 07 Nov 2023 16:10

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-EVAL-02S-20231101DL



Tgt Ion:128 Resp: 2997

Ion Ratio Lower Upper

128 100

127 1.9 10.0 15.0#

129 7.5 8.7 13.1#

