

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
 Data File : VN084954.D
 Acq On : 19 Nov 2024 18:04
 Operator : JC\MD
 Sample : P4845-15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-12R-20241111

Quant Time: Nov 20 00:33:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

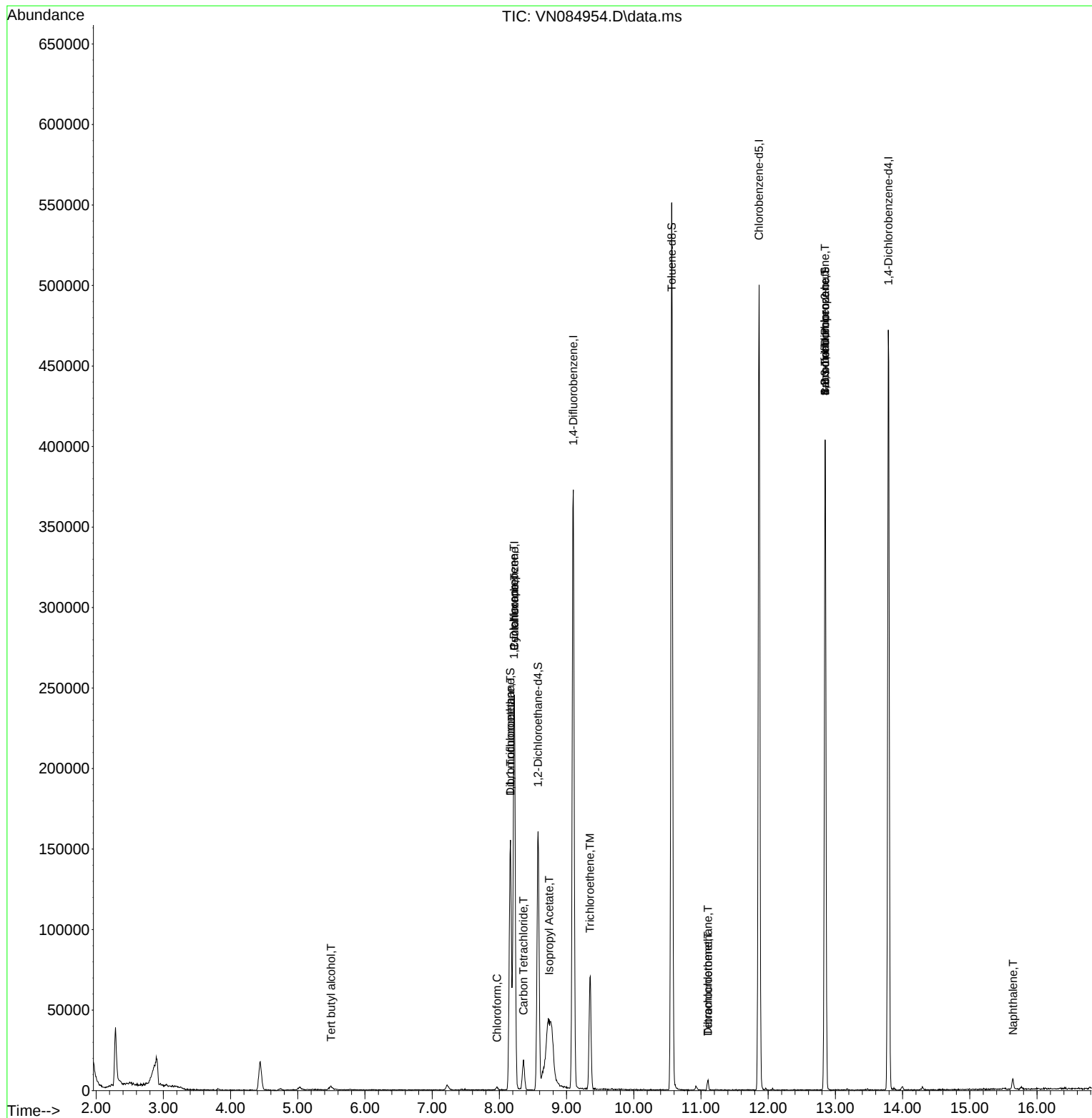
Internal Standards						
1) Pentafluorobenzene	8.224	168	174408	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	322609	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	125106	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131359	52.146	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.300%			
35) Dibromofluoromethane	8.165	113	105866	48.481	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.960%			
50) Toluene-d8	10.565	98	370651	46.078	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.160%			
62) 4-Bromofluorobenzene	12.847	95	141136	46.947	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.900%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	602	Below Cal	#	3
6) Chloroethane	3.130	64	662	Below Cal	#	45
11) Tert butyl alcohol	5.494	59	2357	7.089	ug/l #	73
16) Acetone	4.424	43	840	Below Cal	#	86
18) Methyl Acetate	5.041	43	3991	Below Cal	#	77
30) Chloroform	7.965	83	1950	0.499	ug/l	91
31) Cyclohexane	8.224	56	3735	1.074	ug/l #	1
32) 1,1,1-Trichloroethane	8.165	97	6513	1.830	ug/l #	52
36) 1,1-Dichloropropene	8.218	75	15065	4.974	ug/l #	50
38) Carbon Tetrachloride	8.359	117	13144	3.883	ug/l	97
43) Isopropyl Acetate	8.741	43	63326	11.736	ug/l #	57
44) Trichloroethene	9.347	130	25924	11.558	ug/l	94
60) Dibromochloromethane	11.106	129	1305	0.534	ug/l #	11
64) Tetrachloroethene	11.106	164	1520	0.809	ug/l	85
71) Bromoform	12.847	173	799	0.483	ug/l #	30
76) 1,2,3-Trichloropropane	12.847	75	73860	29.534	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73860	70.068	ug/l #	11
88) 1,4-Dichlorobenzene	13.811	146	65	Below Cal	#	1
95) Naphthalene	15.647	128	6942	0.959	ug/l	99

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

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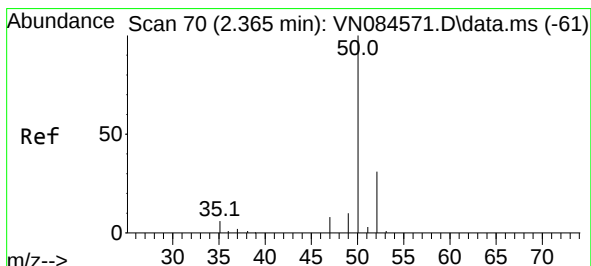
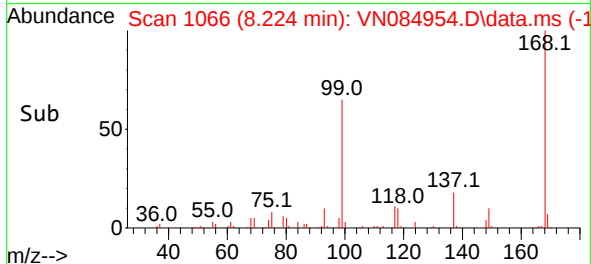
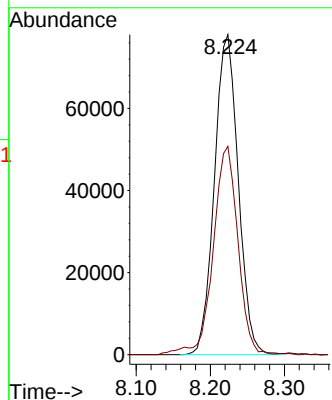
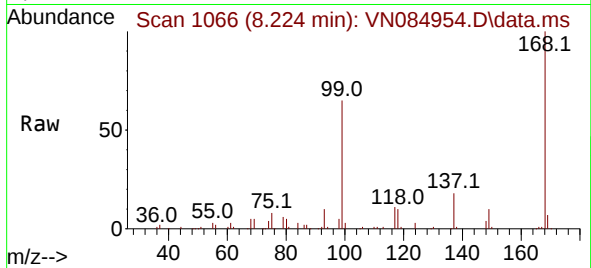




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084954.D
Acq: 19 Nov 2024 18:04

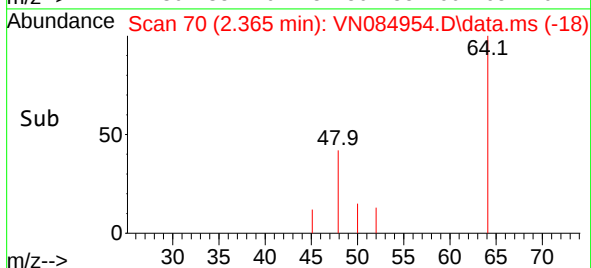
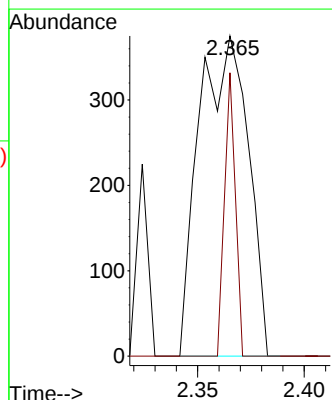
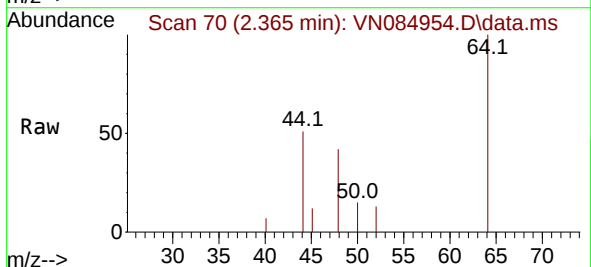
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-12R-20241111

Tgt Ion:168 Resp: 174408
Ion Ratio Lower Upper
168 100
99 64.7 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084954.D
Acq: 19 Nov 2024 18:04

Tgt Ion: 50 Resp: 602
Ion Ratio Lower Upper
50 100
52 88.5 26.8 40.2#





#6

Chloroethane

Concen: Below Cal

RT: 3.130 min Scan# 20

Delta R.T. 0.012 min

Lab File: VN084954.D

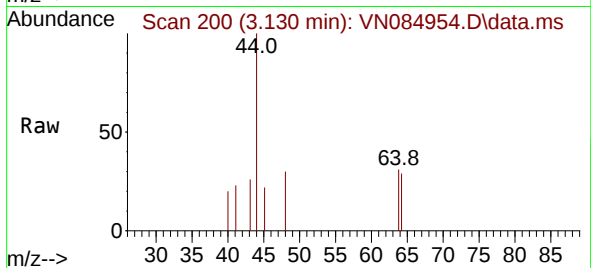
Acq: 19 Nov 2024 18:04

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-12R-20241111

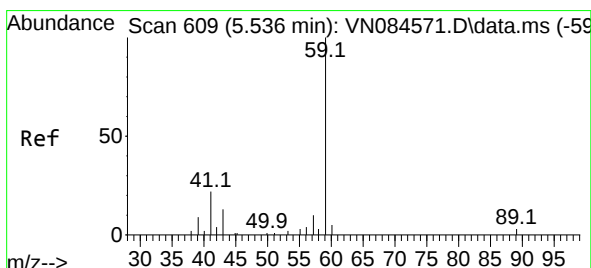
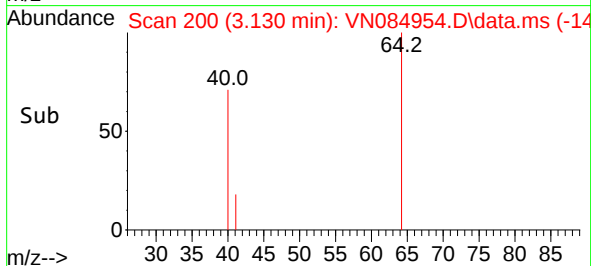
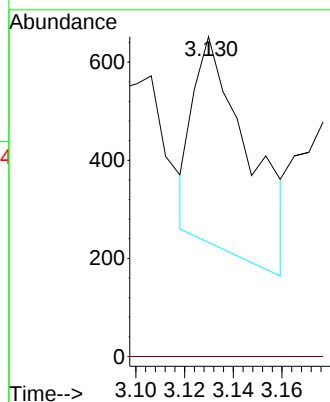


Tgt Ion: 64 Resp: 662

Ion Ratio Lower Upper

64 100

66 0.0 23.5 35.3#



#11

Tert butyl alcohol

Concen: 7.089 ug/l

RT: 5.494 min Scan# 602

Delta R.T. -0.029 min

Lab File: VN084954.D

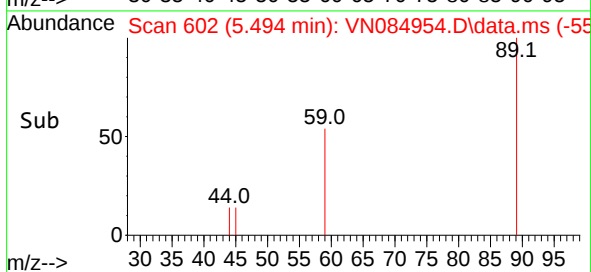
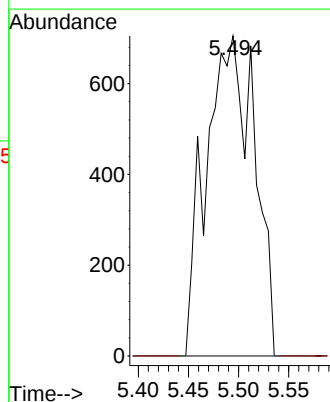
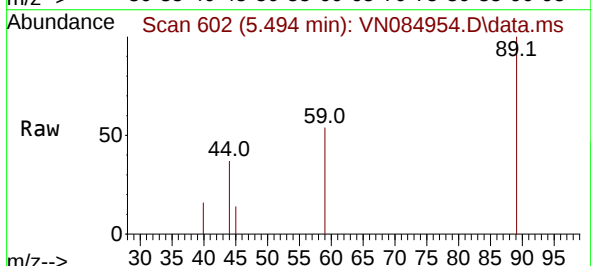
Acq: 19 Nov 2024 18:04

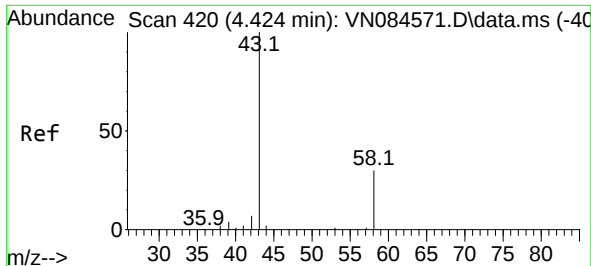
Tgt Ion: 59 Resp: 2357

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#





#16

Acetone

Concen: Below Cal

RT: 4.424 min Scan# 43

Delta R.T. -0.000 min

Lab File: VN084954.D

Acq: 19 Nov 2024 18:04

Instrument :

MSVOA_N

ClientSampleId :

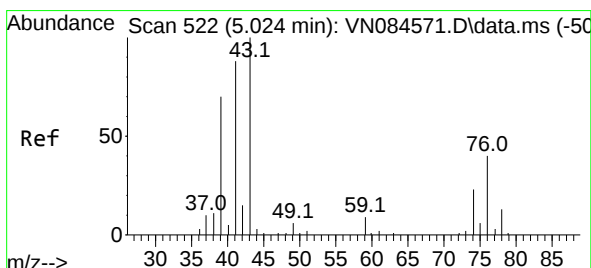
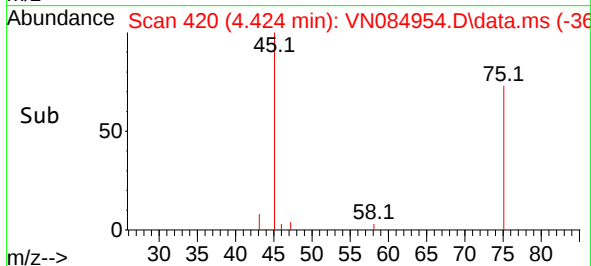
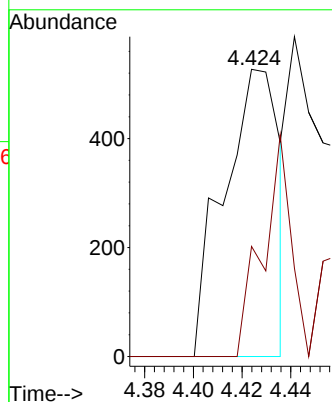
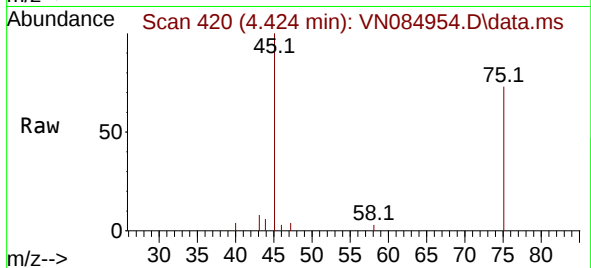
FSND-MW-12R-20241111

Tgt Ion: 43 Resp: 840

Ion Ratio Lower Upper

43 100

58 38.3 24.4 36.6#



#18

Methyl Acetate

Concen: Below Cal

RT: 5.041 min Scan# 525

Delta R.T. 0.023 min

Lab File: VN084954.D

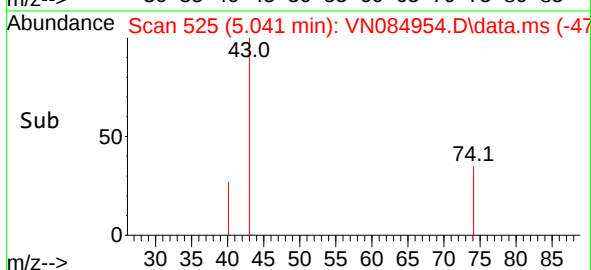
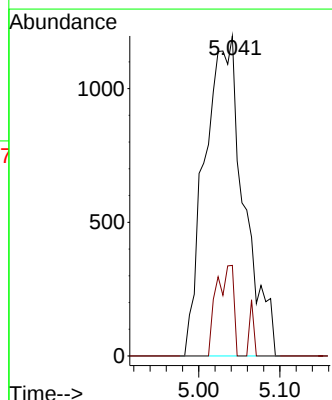
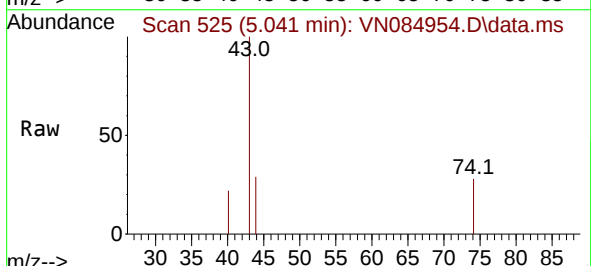
Acq: 19 Nov 2024 18:04

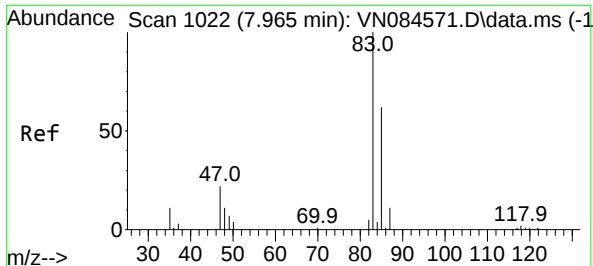
Tgt Ion: 43 Resp: 3991

Ion Ratio Lower Upper

43 100

74 12.5 19.2 28.8#





#30

Chloroform

Concen: 0.499 ug/l

RT: 7.965 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN084954.D

Acq: 19 Nov 2024 18:04

Instrument :

MSVOA_N

ClientSampleId :

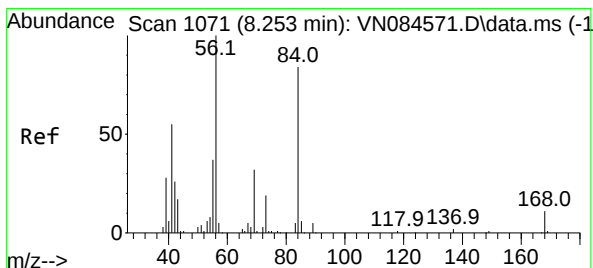
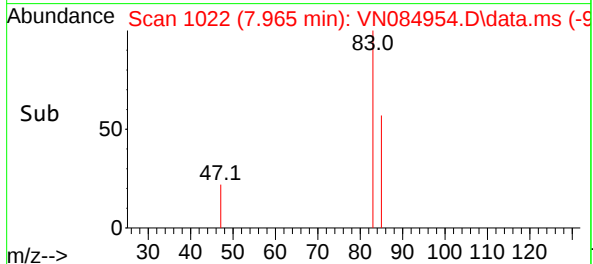
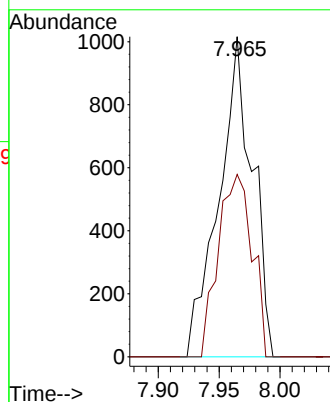
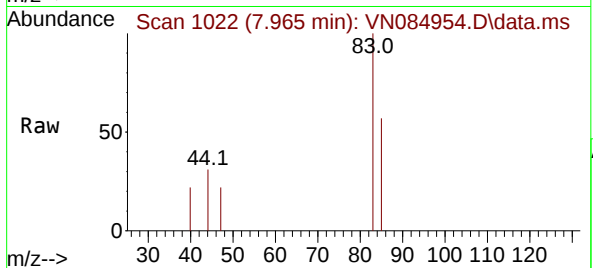
FSND-MW-12R-20241111

Tgt Ion: 83 Resp: 1950

Ion Ratio Lower Upper

83 100

85 57.0 51.0 76.4



#31

Cyclohexane

Concen: 1.074 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN084954.D

Acq: 19 Nov 2024 18:04

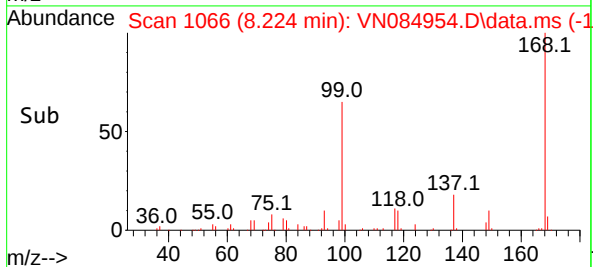
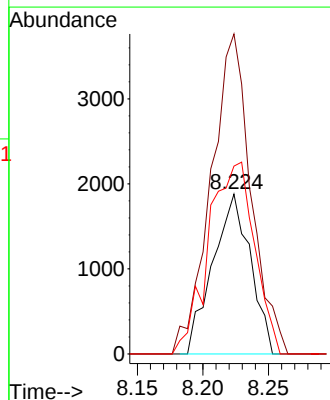
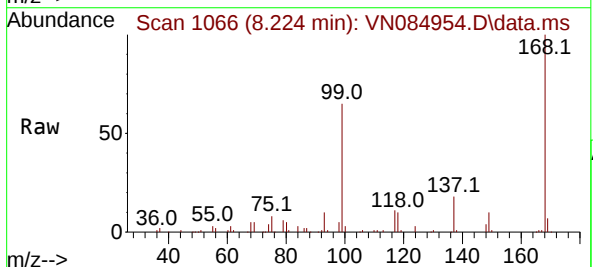
Tgt Ion: 56 Resp: 3735

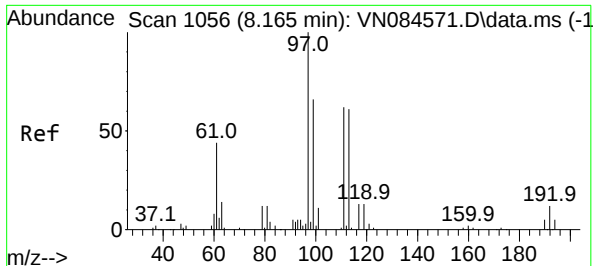
Ion Ratio Lower Upper

56 100

69 186.4 23.8 35.6#

84 117.4 68.8 103.2#





#32

1,1,1-Trichloroethane

Concen: 1.830 ug/l

RT: 8.165 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN084954.D

Acq: 19 Nov 2024 18:04

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-12R-20241111

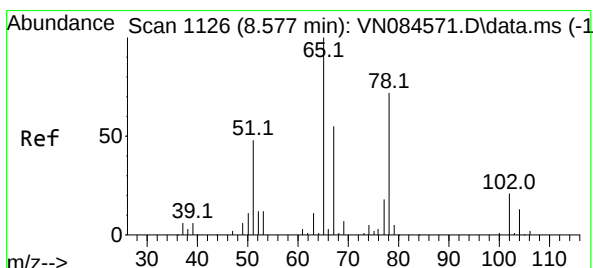
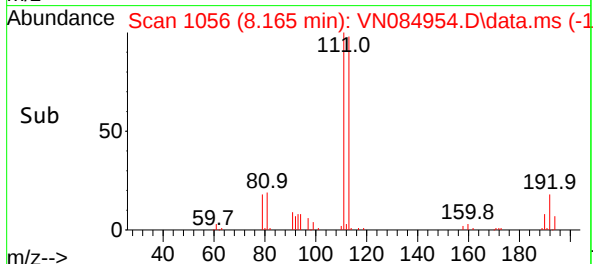
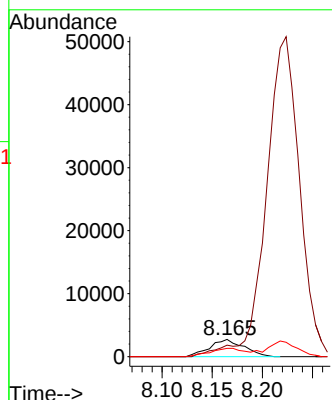
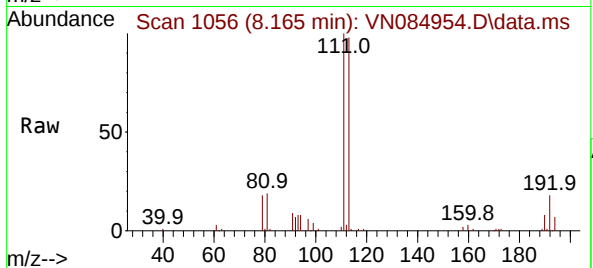
Tgt Ion: 97 Resp: 6513

Ion Ratio Lower Upper

97 100

99 0.0 51.2 76.8#

61 48.7 37.5 56.3



#33

1,2-Dichloroethane-d4

Concen: 52.146 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084954.D

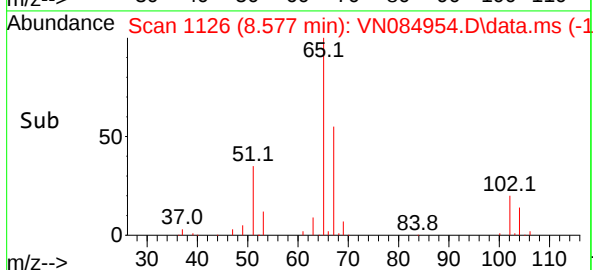
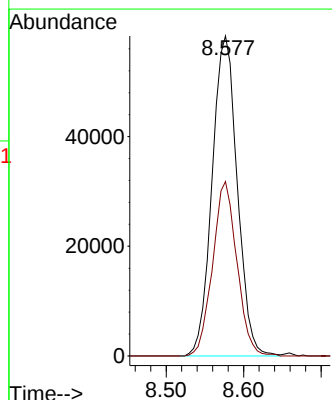
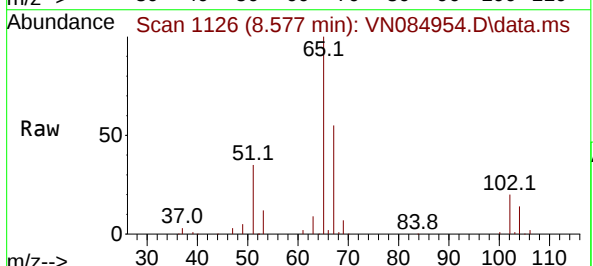
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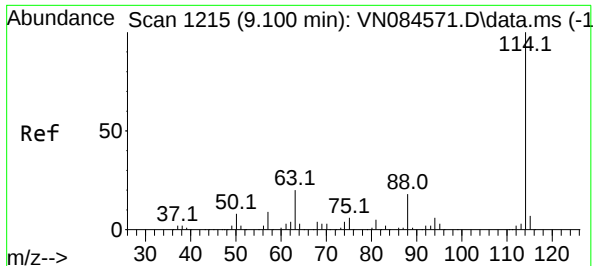
Tgt Ion: 65 Resp: 131359

Ion Ratio Lower Upper

65 100

67 52.7 0.0 102.0

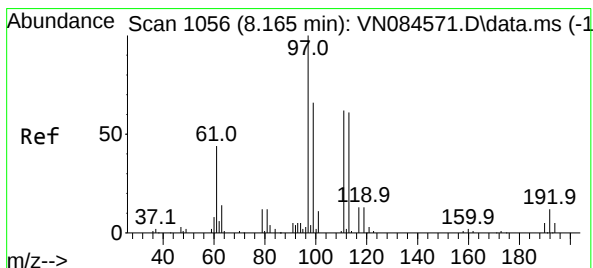
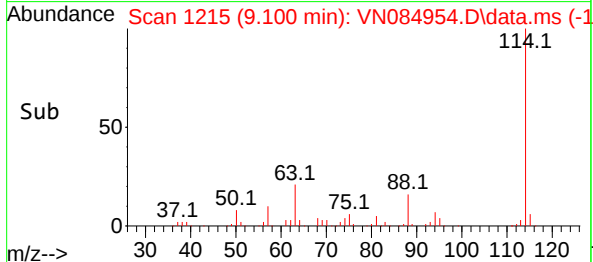
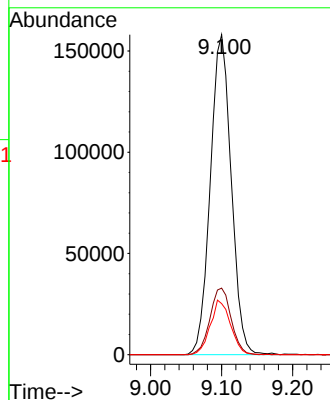
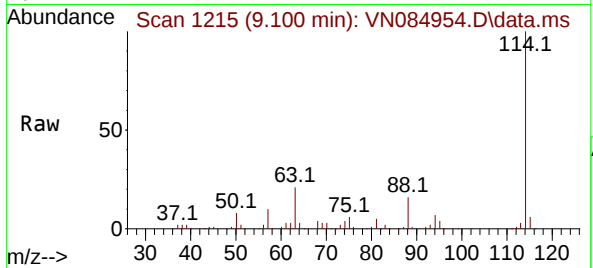




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084954.D
Acq: 19 Nov 2024 18:04

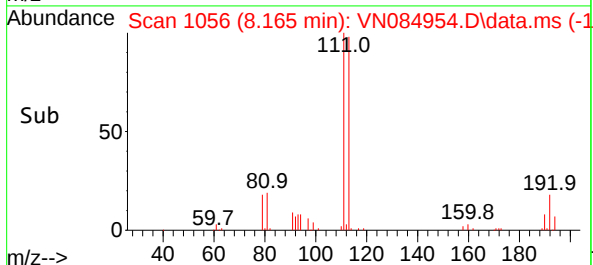
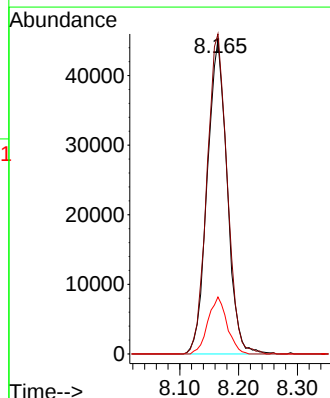
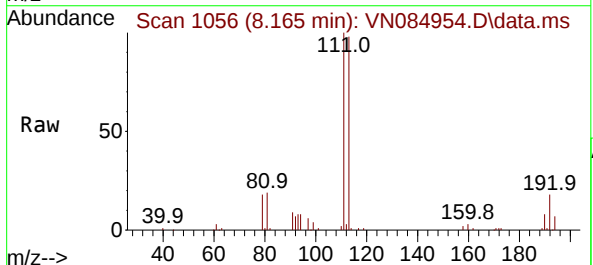
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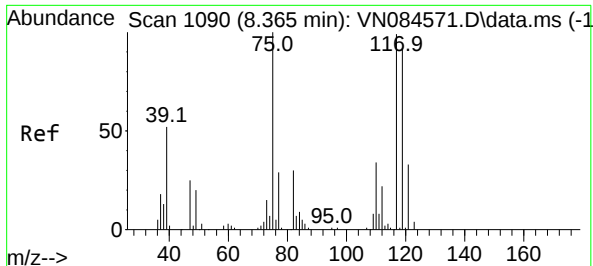
Tgt Ion:114 Resp: 322609
Ion Ratio Lower Upper
114 100
63 20.8 0.0 43.8
88 15.9 0.0 31.6



#35
Dibromofluoromethane
Concen: 48.481 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084954.D
Acq: 19 Nov 2024 18:04

Tgt Ion:113 Resp: 105866
Ion Ratio Lower Upper
113 100
111 103.5 83.3 124.9
192 17.4 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.974 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084954.D

Acq: 19 Nov 2024 18:04

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-12R-20241111

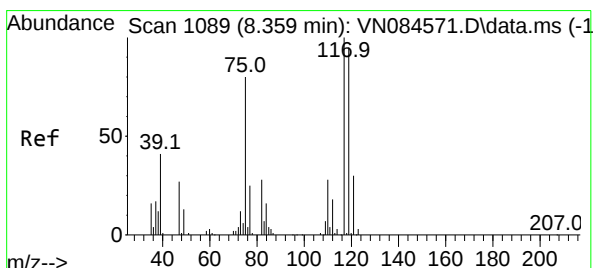
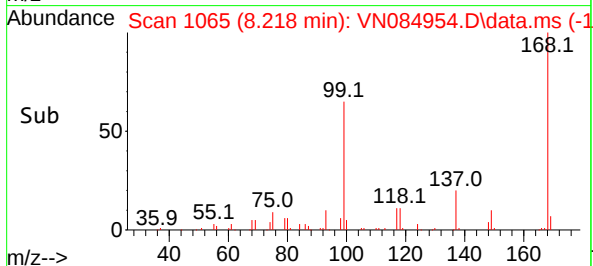
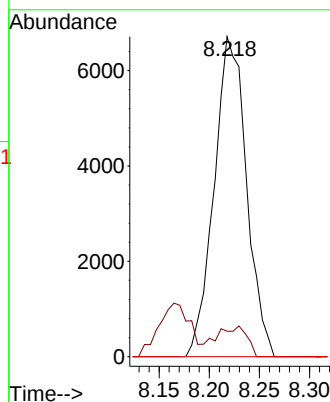
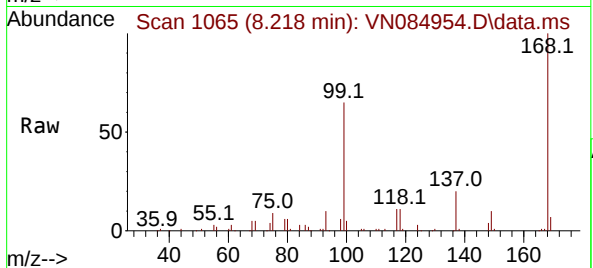
Tgt Ion: 75 Resp: 15065

Ion Ratio Lower Upper

75 100

110 8.9 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 3.883 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN084954.D

Acq: 19 Nov 2024 18:04

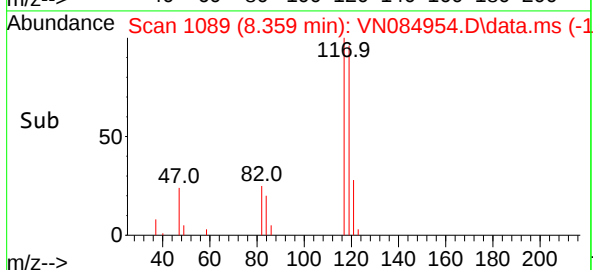
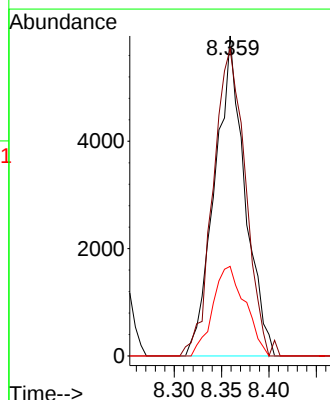
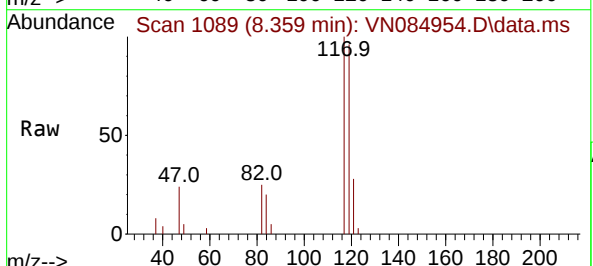
Tgt Ion: 117 Resp: 13144

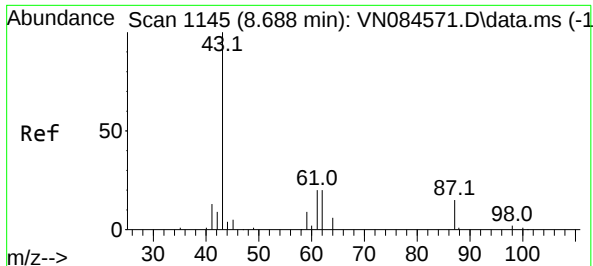
Ion Ratio Lower Upper

117 100

119 95.9 78.7 118.1

121 28.0 24.4 36.6





#43

Isopropyl Acetate

Concen: 11.736 ug/l

RT: 8.741 min Scan# 1145

Delta R.T. 0.053 min

Lab File: VN084954.D

Acq: 19 Nov 2024 18:04

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-12R-20241111

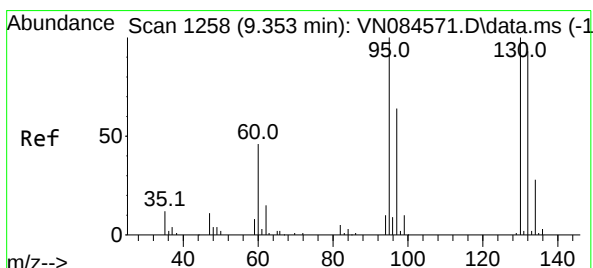
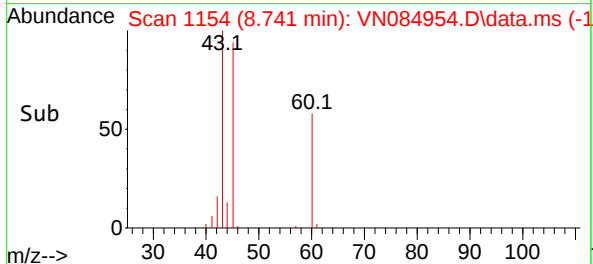
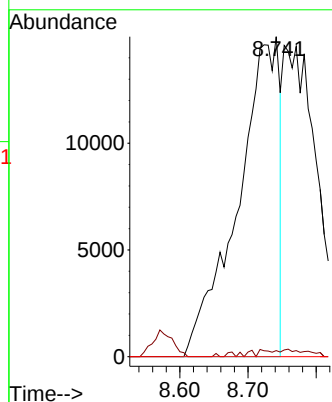
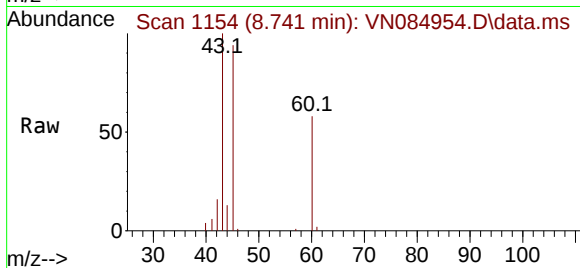
Tgt Ion: 43 Resp: 63326

Ion Ratio Lower Upper

43 100

61 1.4 20.4 30.6#

87 0.0 10.3 15.5#



#44

Trichloroethene

Concen: 11.558 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. 0.000 min

Lab File: VN084954.D

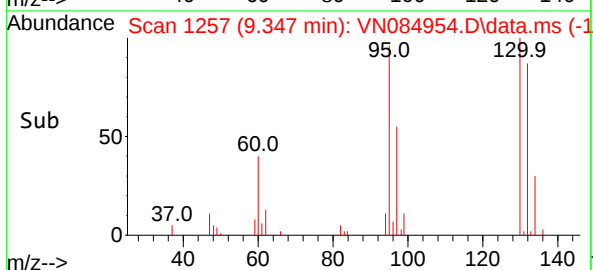
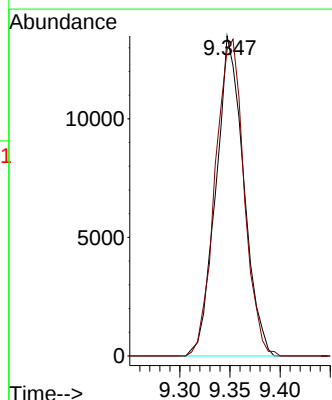
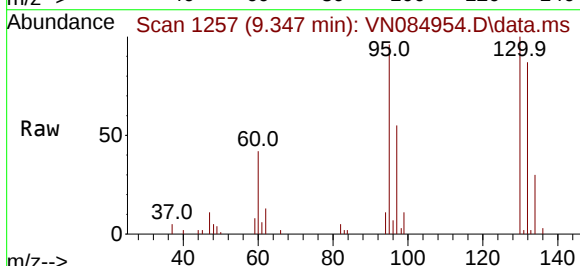
Acq: 19 Nov 2024 18:04

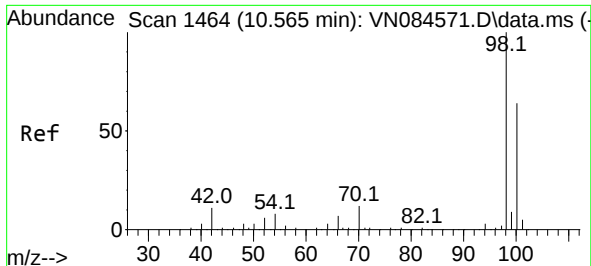
Tgt Ion:130 Resp: 25924

Ion Ratio Lower Upper

130 100

95 95.7 0.0 203.0

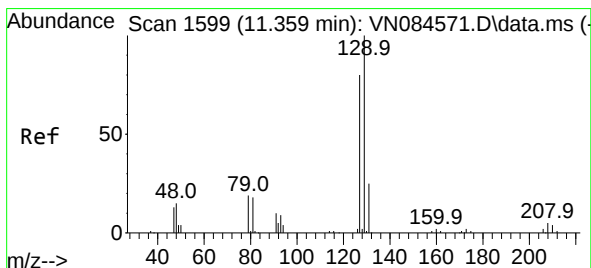
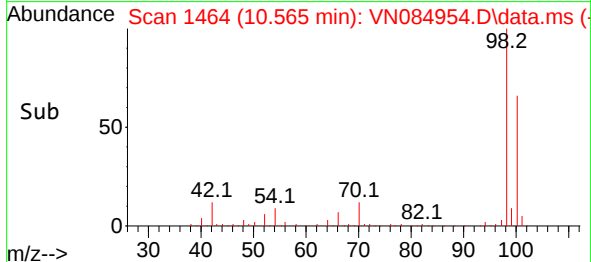
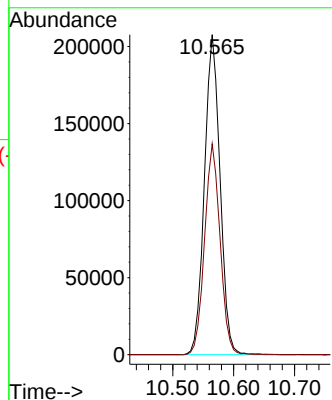
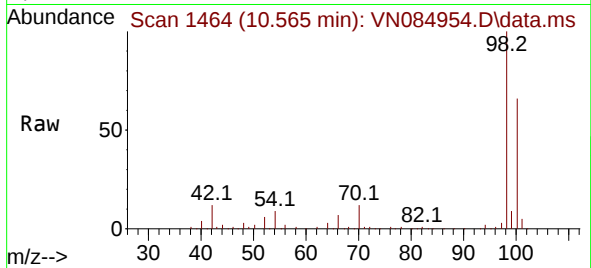




#50
Toluene-d8
Concen: 46.078 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084954.D
Acq: 19 Nov 2024 18:04

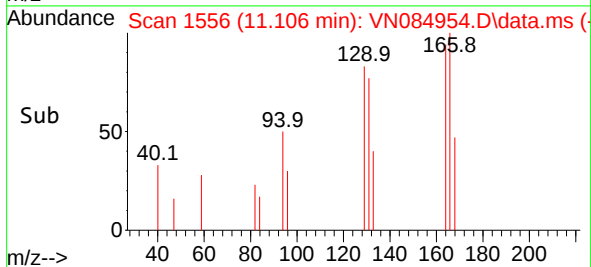
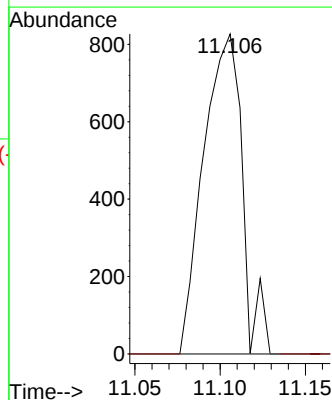
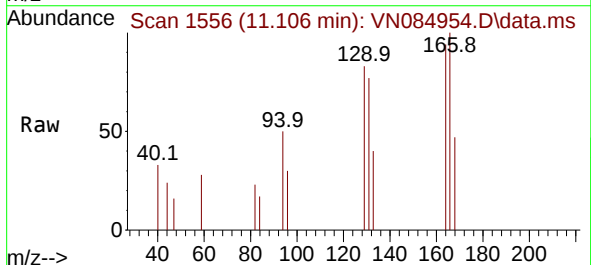
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-12R-20241111

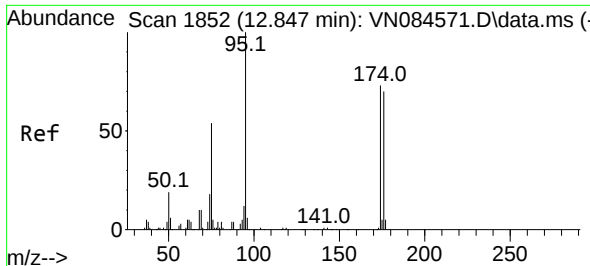
Tgt Ion: 98 Resp: 370651
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



#60
Dibromochloromethane
Concen: 0.534 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.253 min
Lab File: VN084954.D
Acq: 19 Nov 2024 18:04

Tgt Ion:129 Resp: 1305
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#

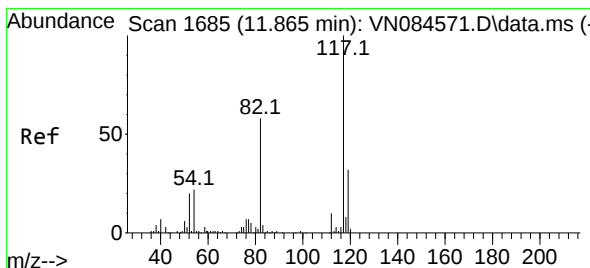
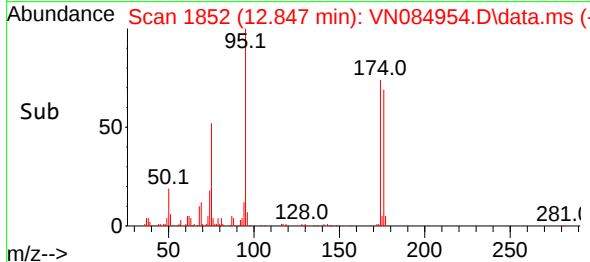
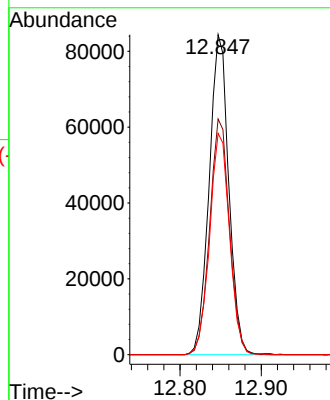
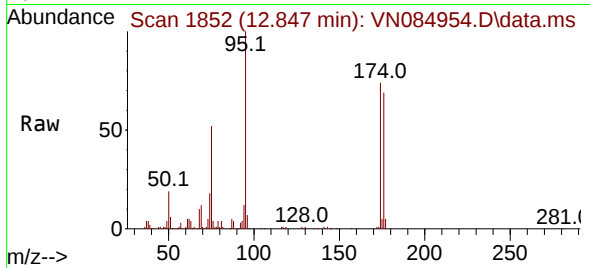




#62
4-Bromofluorobenzene
Concen: 46.947 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084954.D
Acq: 19 Nov 2024 18:04

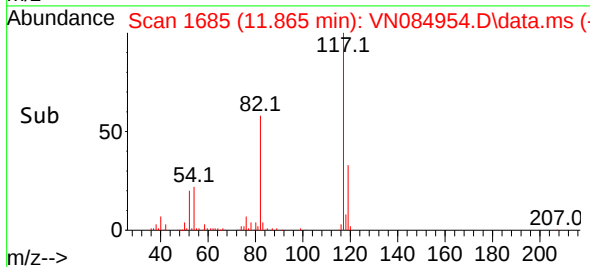
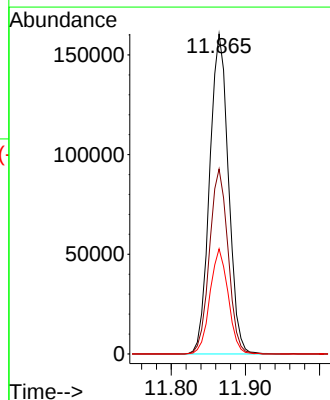
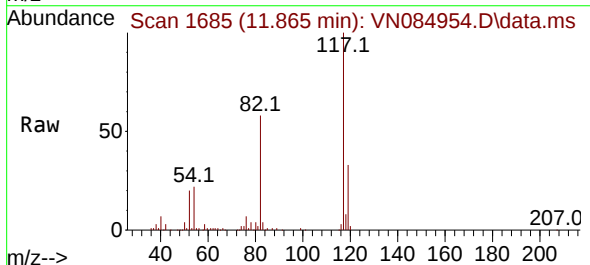
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-12R-20241111

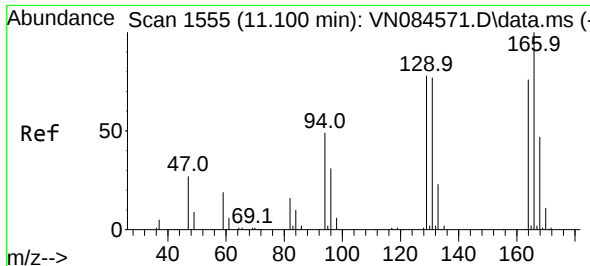
Tgt Ion: 95 Resp: 141136
Ion Ratio Lower Upper
95 100
174 74.6 0.0 145.2
176 70.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084954.D
Acq: 19 Nov 2024 18:04

Tgt Ion: 117 Resp: 282377
Ion Ratio Lower Upper
117 100
82 57.8 47.2 70.8
119 32.8 25.4 38.0

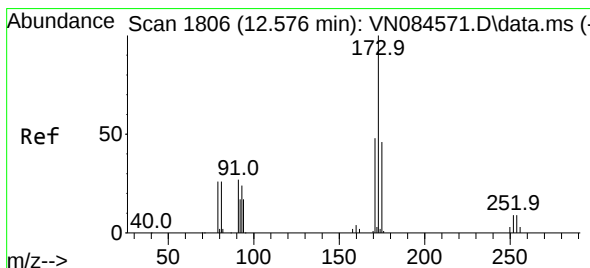
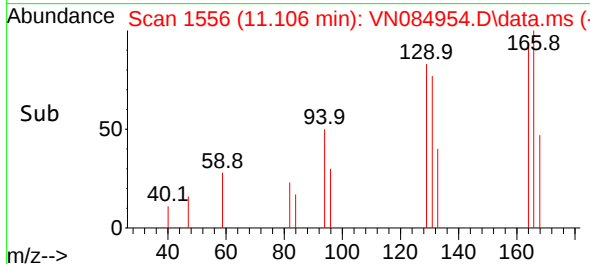
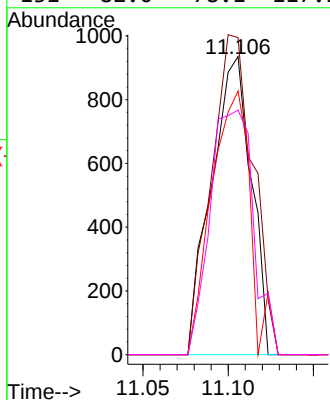
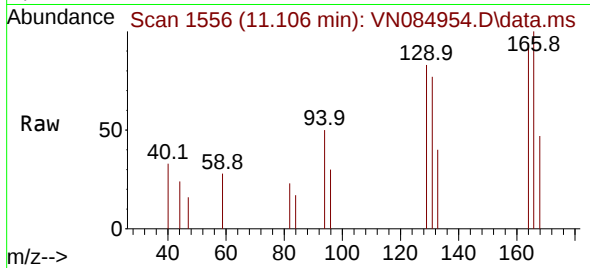




#64
Tetrachloroethene
Concen: 0.809 ug/l
RT: 11.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084954.D
Acq: 19 Nov 2024 18:04

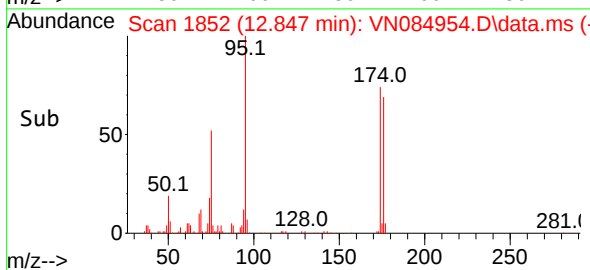
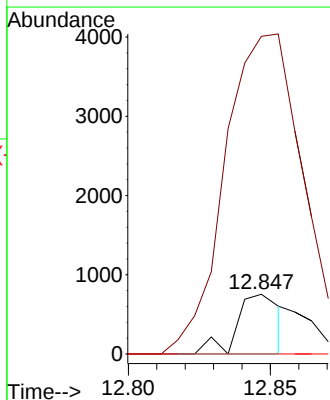
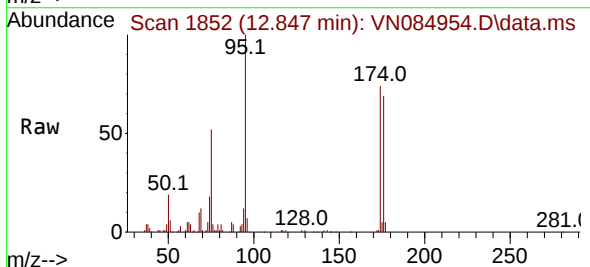
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-12R-20241111

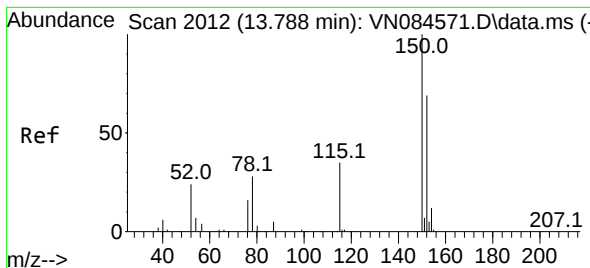
Tgt Ion:164 Resp: 1520
Ion Ratio Lower Upper
164 100
166 106.4 101.0 151.4
129 88.4 80.8 121.2
131 82.0 78.1 117.1



#71
Bromoform
Concen: 0.483 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN084954.D
Acq: 19 Nov 2024 18:04

Tgt Ion:173 Resp: 799
Ion Ratio Lower Upper
173 100
175 0.0 23.5 70.6#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN084954.D

Acq: 19 Nov 2024 18:04

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-12R-20241111

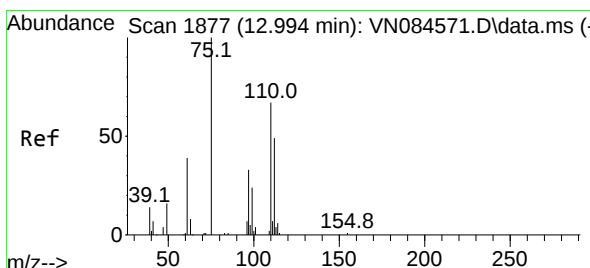
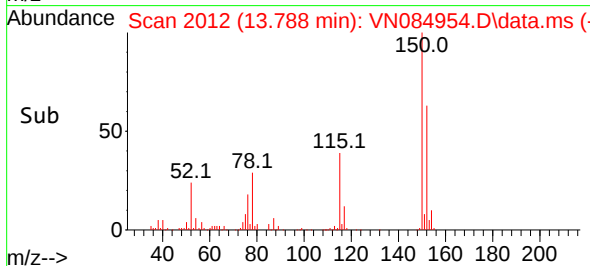
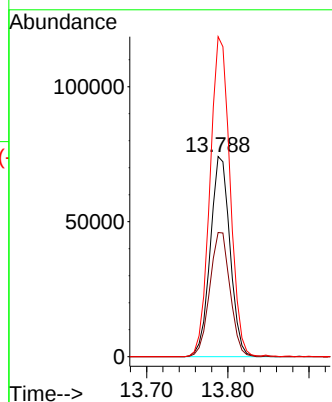
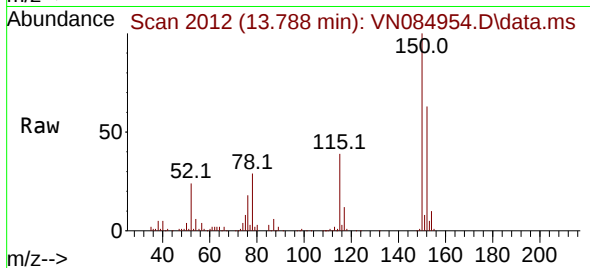
Tgt Ion:152 Resp: 125106

Ion Ratio Lower Upper

152 100

115 63.7 31.3 93.9

150 161.9 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 29.534 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084954.D

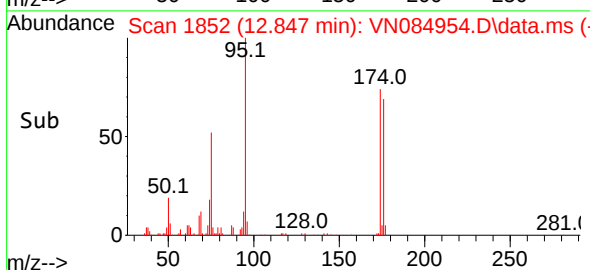
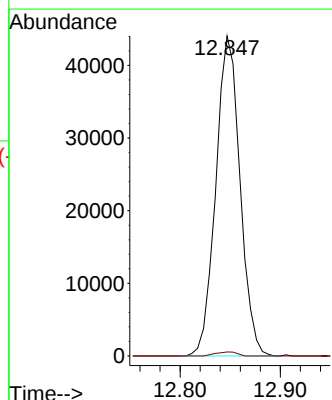
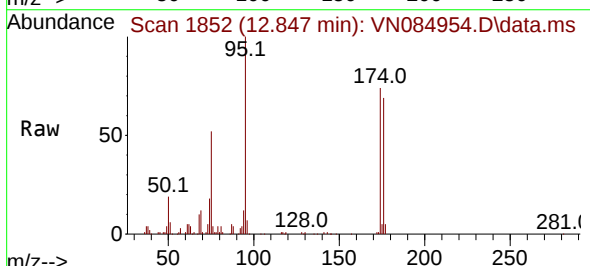
Acq: 19 Nov 2024 18:04

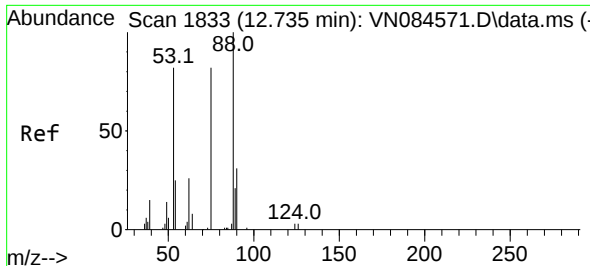
Tgt Ion: 75 Resp: 73860

Ion Ratio Lower Upper

75 100

77 1.1 96.9 290.7#

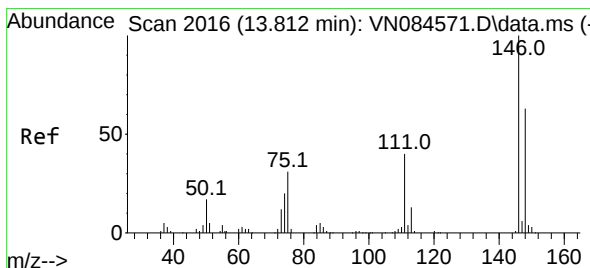
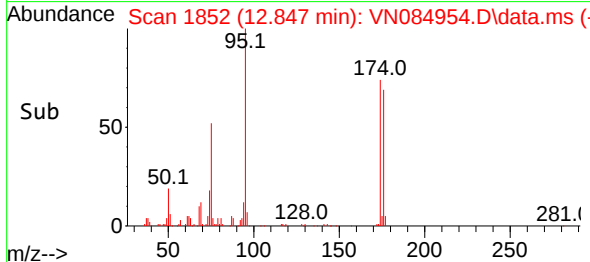
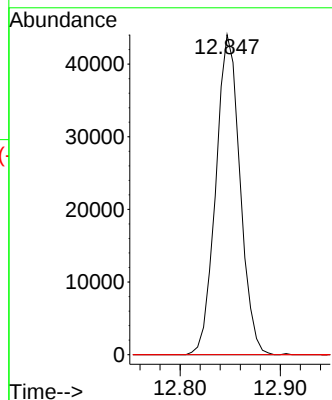
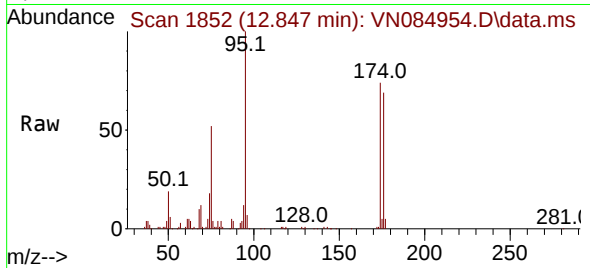




#81
trans-1,4-Dichloro-2-butene
Concen: 70.068 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN084954.D
Acq: 19 Nov 2024 18:04

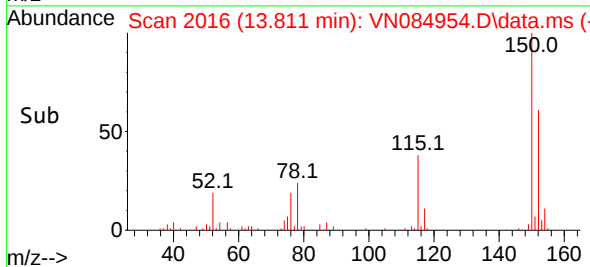
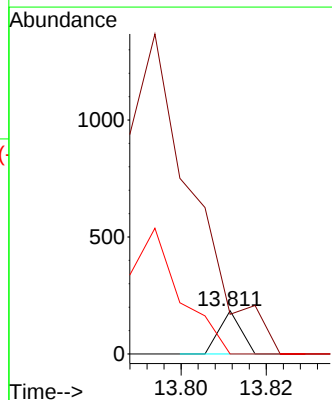
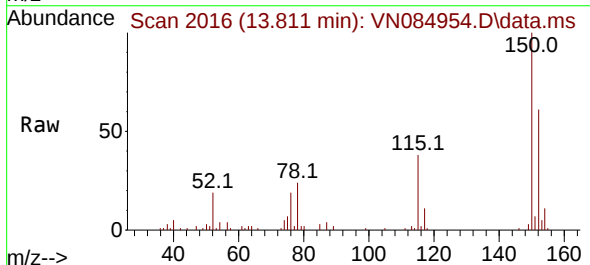
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-12R-20241111

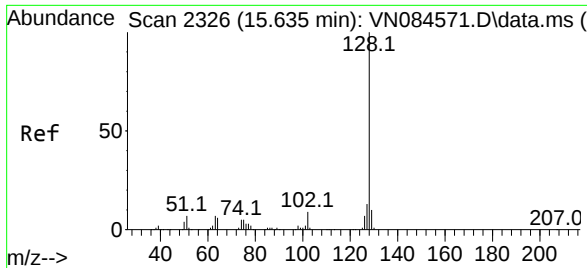
Tgt Ion: 75 Resp: 73860
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.811 min Scan# 2016
Delta R.T. -0.001 min
Lab File: VN084954.D
Acq: 19 Nov 2024 18:04

Tgt Ion:146 Resp: 65
Ion Ratio Lower Upper
146 100
111 3070.8 21.2 63.6#
148 913.8 31.9 95.9#





#95

Naphthalene

Concen: 0.959 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN084954.D

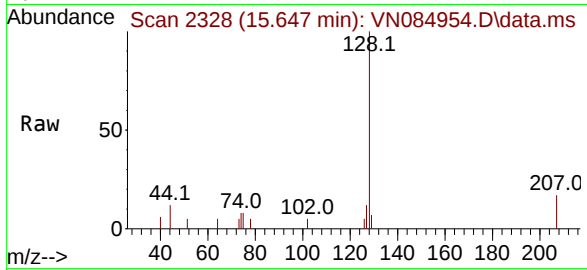
Acq: 19 Nov 2024 18:04

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-12R-20241111



Tgt Ion:128 Resp: 6942

Ion	Ratio	Lower	Upper
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128	100		
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127	12.6	10.5	15.7
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129	10.4	8.7	13.1
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