

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
 Data File : VN084889.D
 Acq On : 17 Nov 2024 12:48
 Operator : JC\MD
 Sample : P4845-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-RB-1-20241111

Quant Time: Nov 18 00:18:37 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)

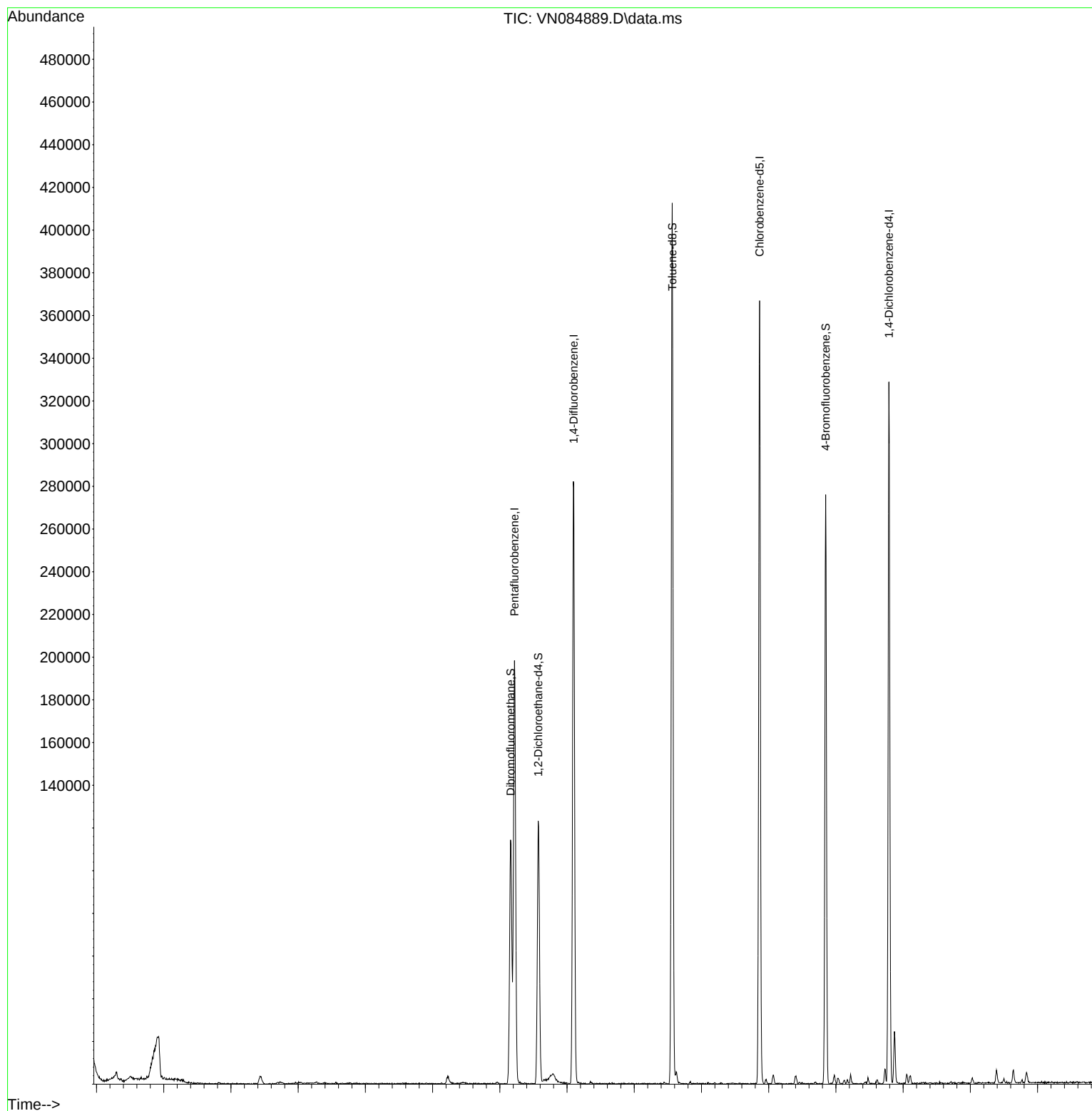
Internal Standards						
1) Pentafluorobenzene	8.218	168	144276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	246862	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	209442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	89357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	103451	49.645	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.280%		
35) Dibromofluoromethane	8.159	113	82050	49.104	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.200%		
50) Toluene-d8	10.565	98	285165	46.329	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.660%		
62) 4-Bromofluorobenzene	12.847	95	96732	42.050	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	84.100%		
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	6954	8.801	ug/l	91
52) Toluene	10.630	92	2445	0.562	ug/l	86
65) Chlorobenzene	11.888	112	1473	0.314	ug/l #	85
67) Ethyl Benzene	11.959	91	1922	0.246	ug/l	93
68) m/p-Xylenes	12.071	106	1689	0.570	ug/l	91
69) o-Xylene	12.388	106	761	0.275	ug/l	90
70) Styrene	12.406	104	1450	0.300	ug/l	99
78) n-propylbenzene	13.035	91	3027	0.413	ug/l	97
86) p-Isopropyltoluene	13.723	119	1333	0.268	ug/l	90
89) n-Butylbenzene	14.053	91	3004	0.645	ug/l	89
91) 1,2-Dichlorobenzene	14.106	146	2217	0.702	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	2424	1.403	ug/l	96
95) Naphthalene	15.641	128	6601	1.276	ug/l	97
96) 1,2,3-Trichlorobenzene	15.835	180	2459	1.466	ug/l	95

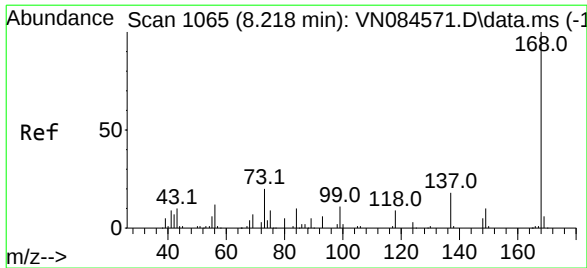
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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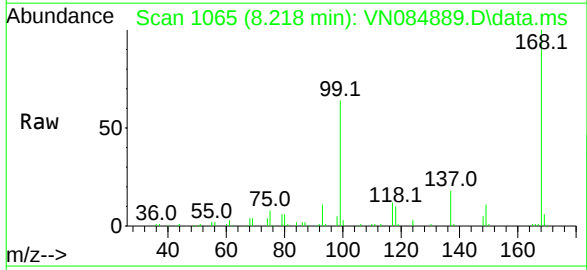
Quant Time: Nov 18 00:18:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
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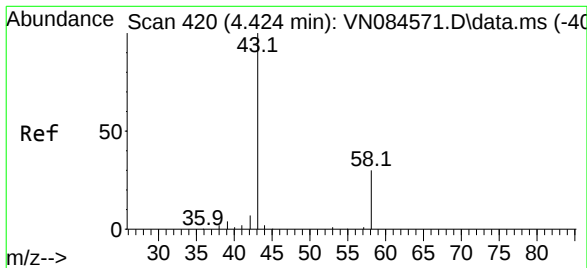
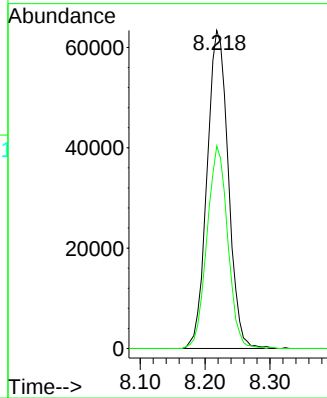
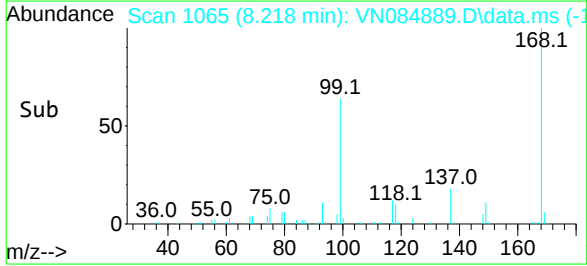


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084889.D
Acq: 17 Nov 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-1-20241111

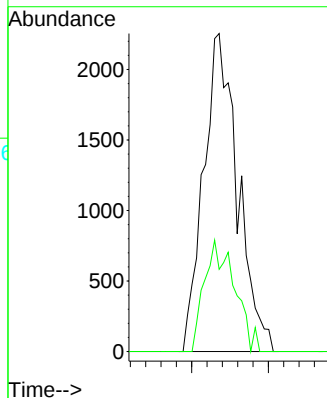
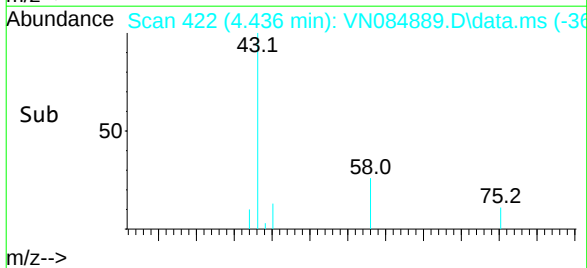
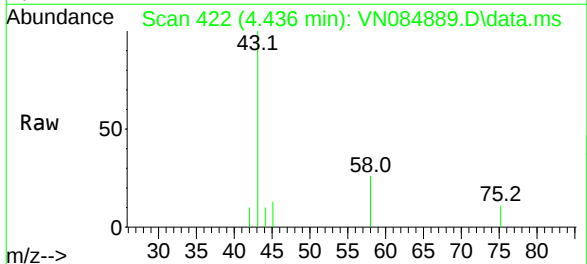


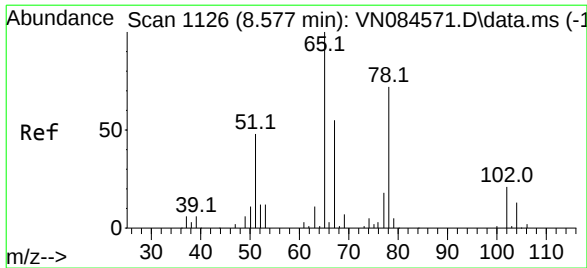
Tgt Ion:168 Resp: 144276
Ion Ratio Lower Upper
168 100
99 63.6 54.2 81.2



#16
Acetone
Concen: 8.801 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084889.D
Acq: 17 Nov 2024 12:48

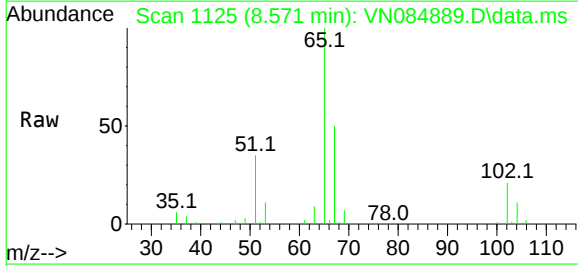
Tgt Ion: 43 Resp: 6954
Ion Ratio Lower Upper
43 100
58 25.9 24.4 36.6



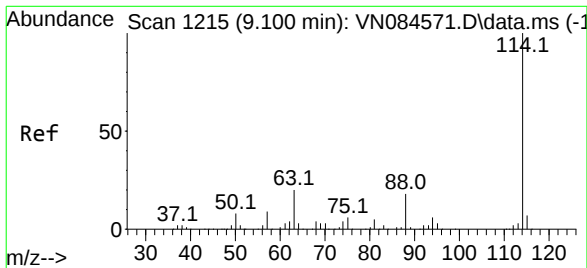
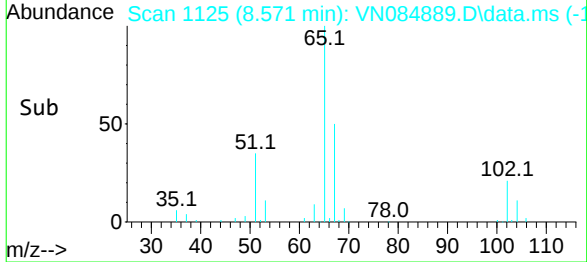
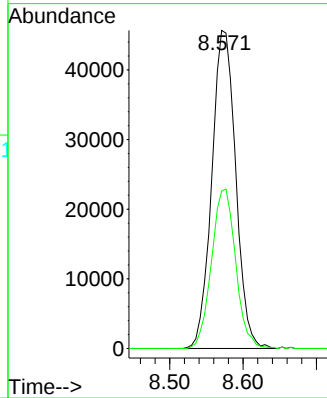


#33
1,2-Dichloroethane-d4
Concen: 49.645 ug/l
RT: 8.571 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN084889.D
Acq: 17 Nov 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-1-20241111

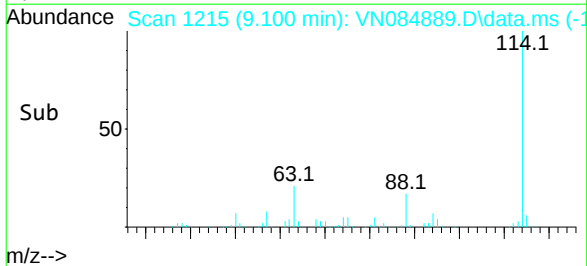
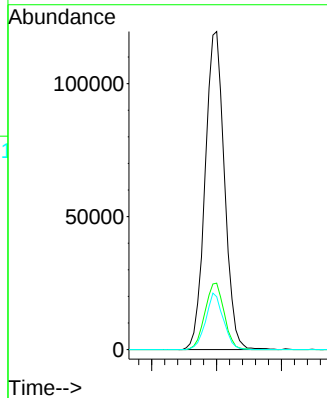
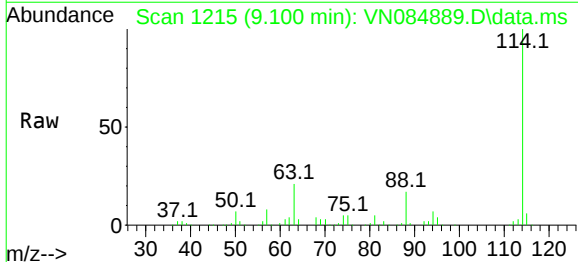


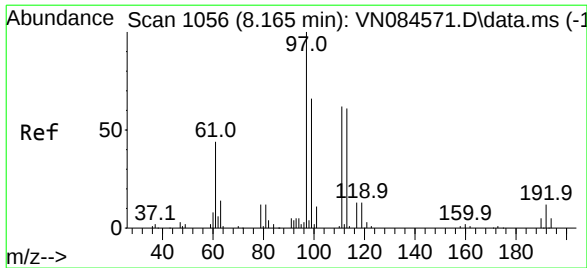
Tgt Ion: 65 Resp: 103451
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084889.D
Acq: 17 Nov 2024 12:48

Tgt Ion: 114 Resp: 246862
Ion Ratio Lower Upper
114 100
63 20.9 0.0 43.8
88 16.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.104 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN084889.D

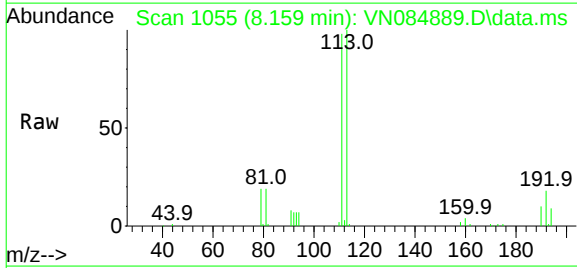
Acq: 17 Nov 2024 12:48

Instrument :

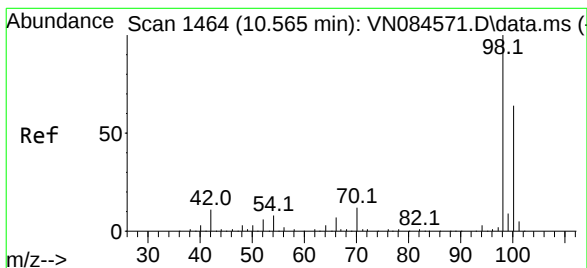
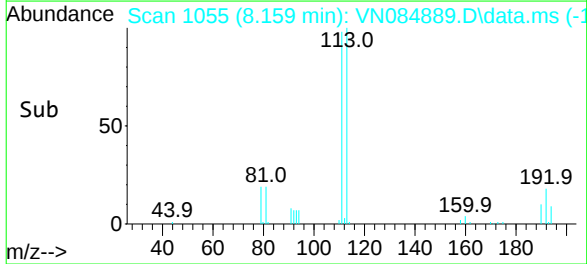
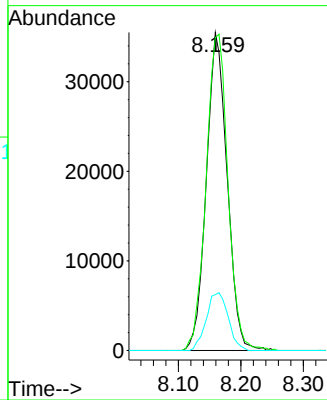
MSVOA_N

ClientSampleId :

FSND-RB-1-20241111



Tgt Ion:	113	Resp:	82050
Ion	Ratio	Lower	Upper
113	100		
111	104.7	83.3	124.9
192	19.2	13.5	20.3



#50

Toluene-d8

Concen: 46.329 ug/l

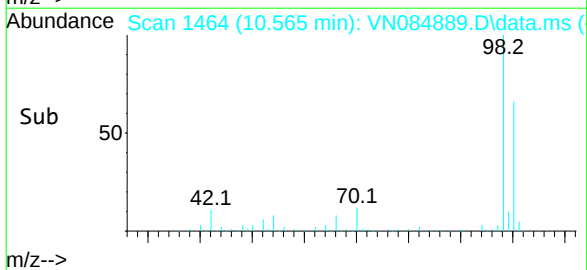
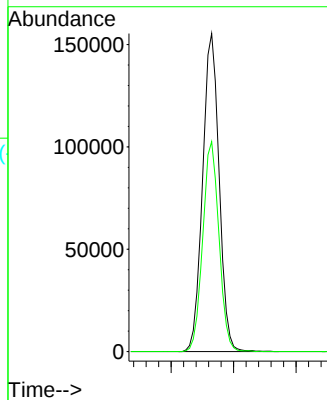
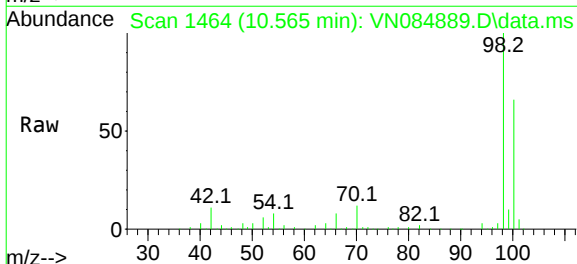
RT: 10.565 min Scan# 1464

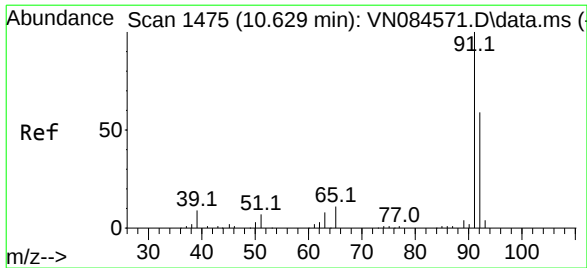
Delta R.T. -0.000 min

Lab File: VN084889.D

Acq: 17 Nov 2024 12:48

Tgt Ion:	98	Resp:	285165
Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.7	79.1





#52

Toluene

Concen: 0.562 ug/l

RT: 10.630 min Scan# 14

Delta R.T. 0.000 min

Lab File: VN084889.D

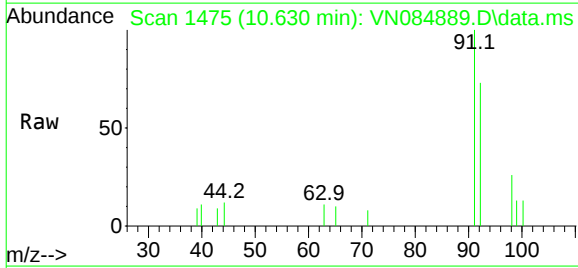
Acq: 17 Nov 2024 12:48

Instrument :

MSVOA_N

ClientSampleId :

FSND-RB-1-20241111

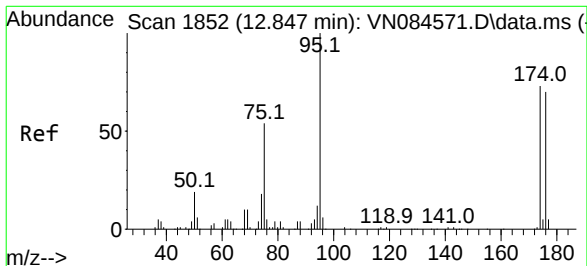
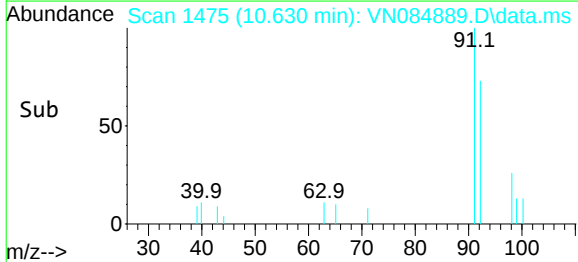
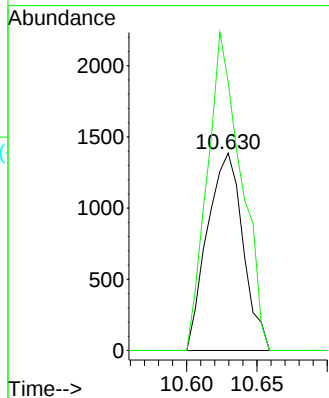


Tgt Ion: 92 Resp: 2445

Ion Ratio Lower Upper

92 100

91 153.0 137.3 205.9



#62

4-Bromofluorobenzene

Concen: 42.050 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084889.D

Acq: 17 Nov 2024 12:48

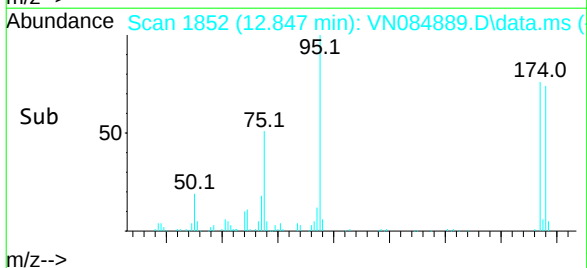
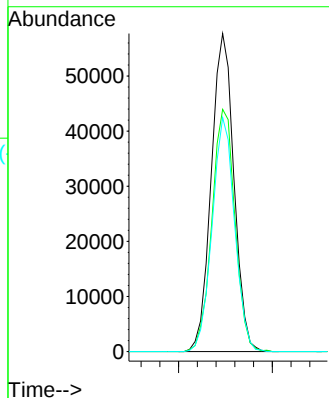
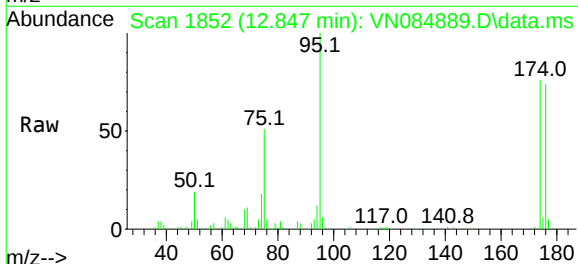
Tgt Ion: 95 Resp: 96732

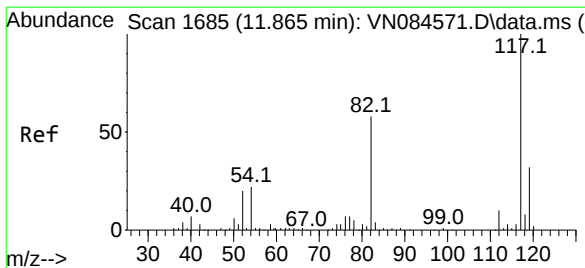
Ion Ratio Lower Upper

95 100

174 77.5 0.0 145.2

176 72.9 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: VN084889.D

Acq: 17 Nov 2024 12:48

Instrument :

MSVOA_N

ClientSampleId :

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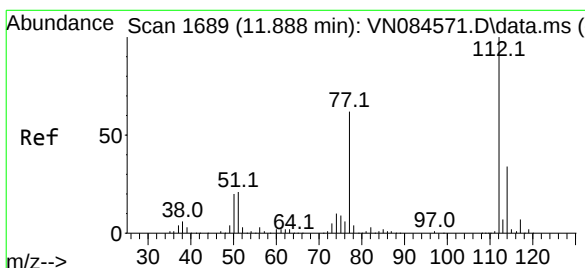
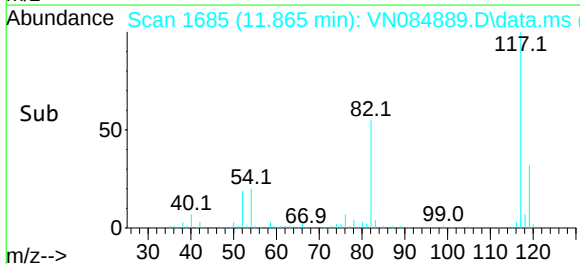
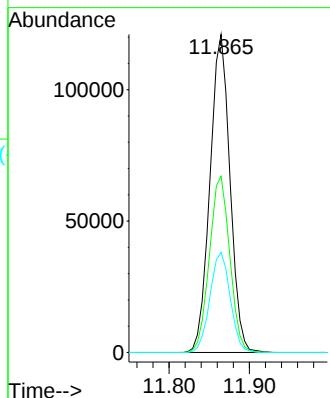
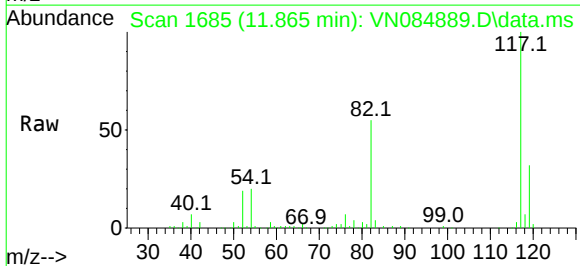
Tgt Ion:117 Resp: 209442

Ion Ratio Lower Upper

117 100

82 55.4 47.2 70.8

119 31.5 25.4 38.0



#65

Chlorobenzene

Concen: 0.314 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. 0.000 min

Lab File: VN084889.D

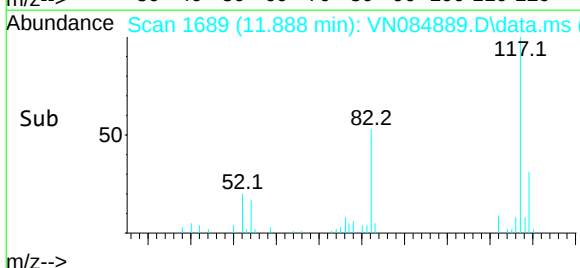
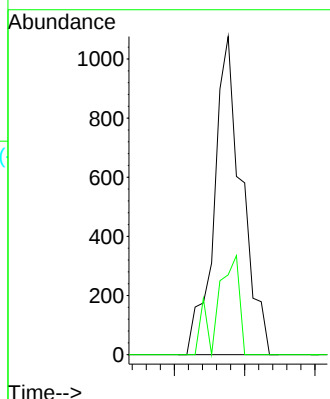
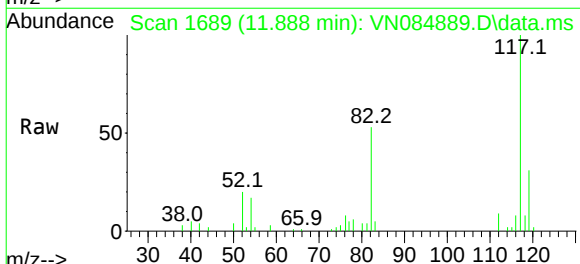
Acq: 17 Nov 2024 12:48

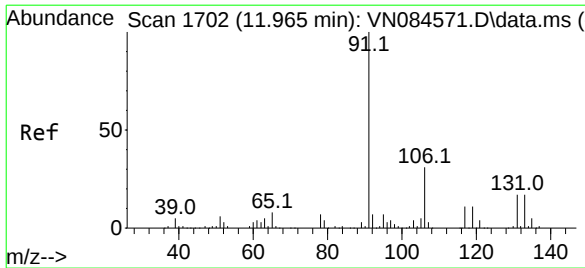
Tgt Ion:112 Resp: 1473

Ion Ratio Lower Upper

112 100

114 25.1 27.0 40.6#

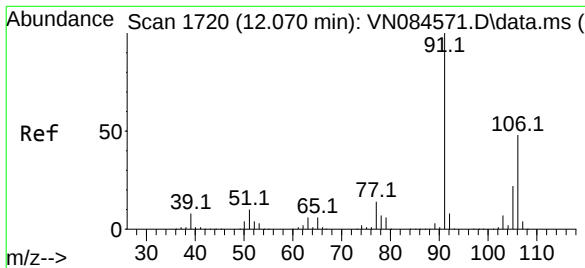
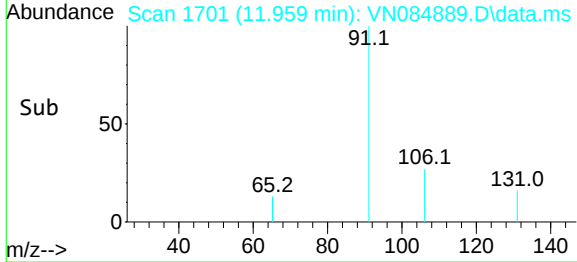
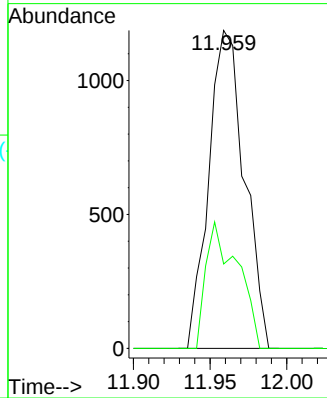
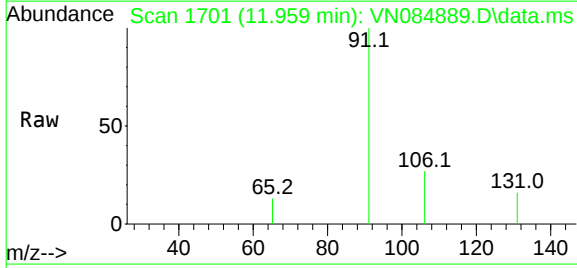




#67
Ethyl Benzene
Concen: 0.246 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084889.D
Acq: 17 Nov 2024 12:48

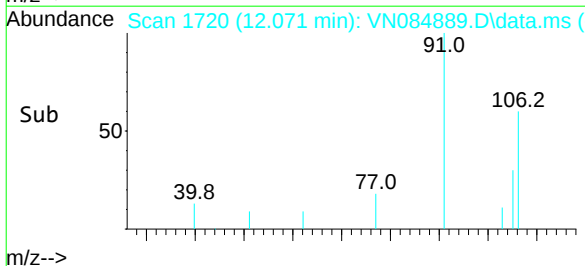
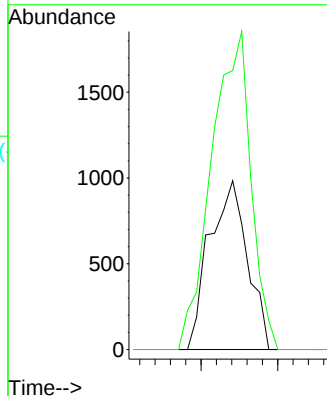
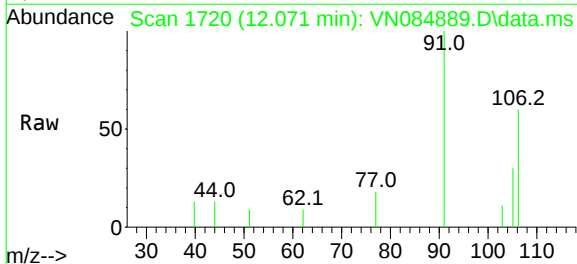
Instrument :
MSVOA_N
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FSND-RB-1-20241111

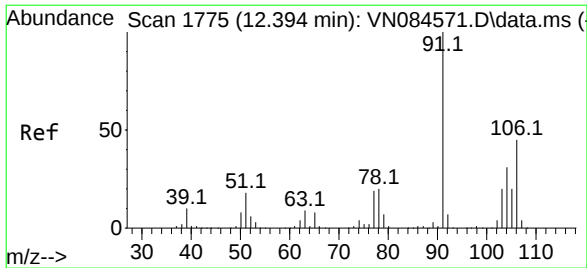
Tgt Ion: 91 Resp: 1922
Ion Ratio Lower Upper
91 100
106 26.5 24.5 36.7



#68
m/p-Xylenes
Concen: 0.570 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084889.D
Acq: 17 Nov 2024 12:48

Tgt Ion: 106 Resp: 1689
Ion Ratio Lower Upper
106 100
91 195.5 167.1 250.7





#69

o-Xylene

Concen: 0.275 ug/l

RT: 12.388 min Scan# 17

Delta R.T. -0.006 min

Lab File: VN084889.D

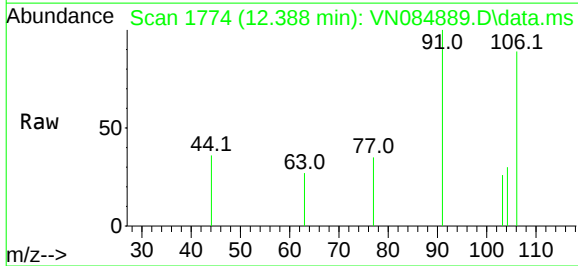
Acq: 17 Nov 2024 12:48

Instrument :

MSVOA_N

ClientSampleId :

FSND-RB-1-20241111

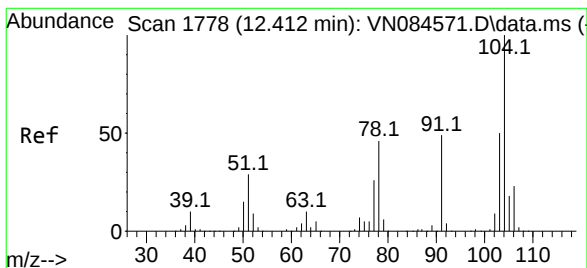
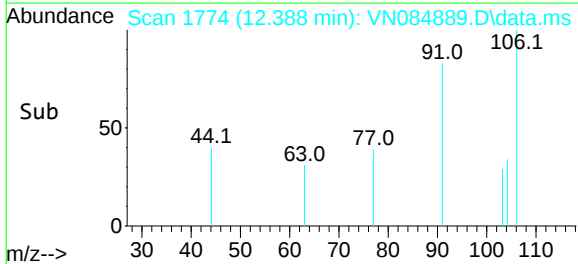
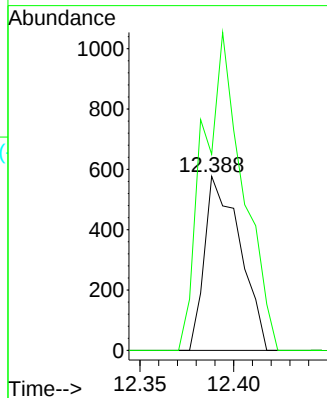


Tgt Ion:106 Resp: 761

Ion Ratio Lower Upper

106 100

91 204.9 110.2 330.6



#70

Styrene

Concen: 0.300 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.006 min

Lab File: VN084889.D

Acq: 17 Nov 2024 12:48

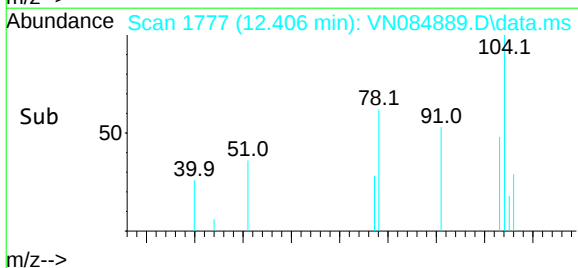
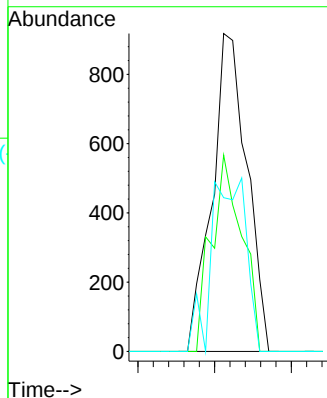
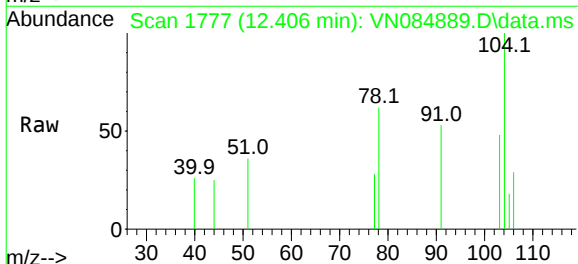
Tgt Ion:104 Resp: 1450

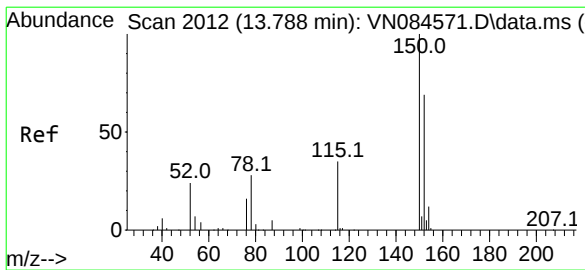
Ion Ratio Lower Upper

104 100

78 54.3 42.7 64.1

103 54.4 43.6 65.4

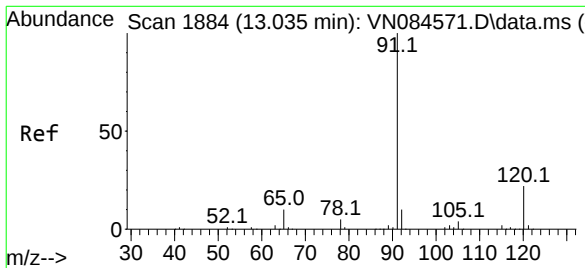
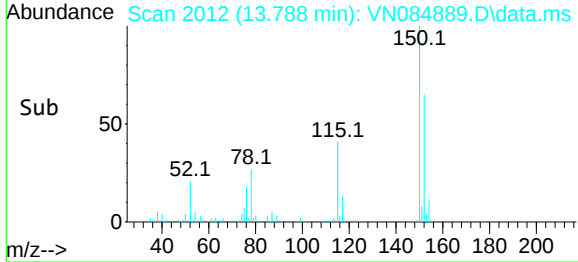
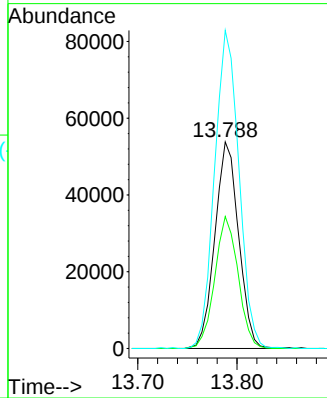
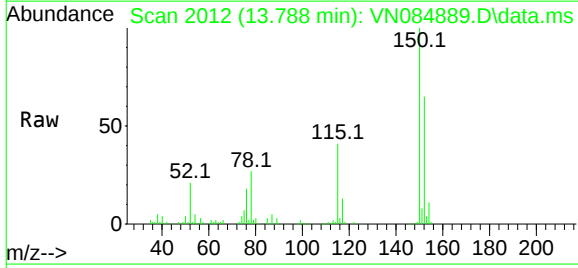




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084889.D
Acq: 17 Nov 2024 12:48

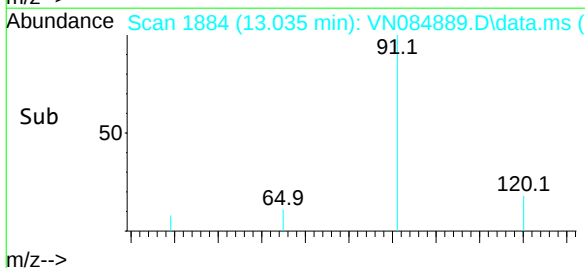
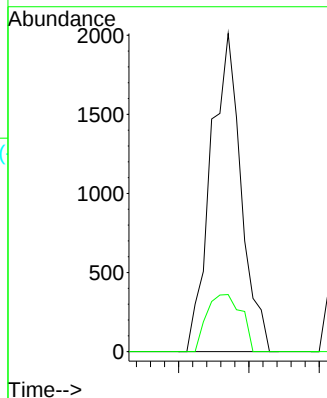
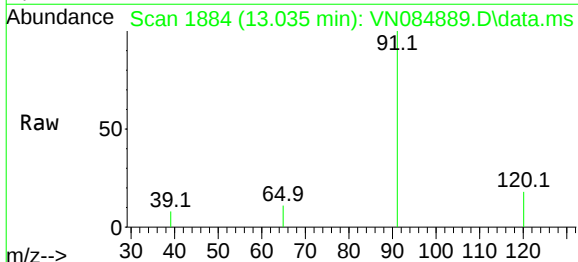
Instrument :
MSVOA_N
ClientSampleId :
FSND-RB-1-20241111

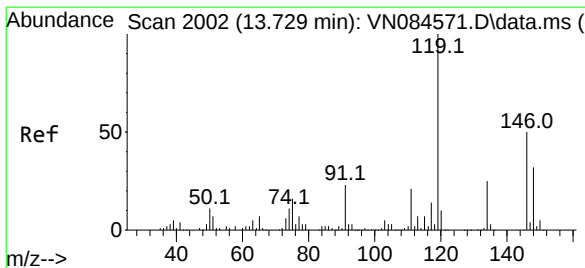
Tgt Ion:152 Resp: 89357
Ion Ratio Lower Upper
152 100
115 62.9 31.3 93.9
150 158.2 0.0 349.8



#78
n-propylbenzene
Concen: 0.413 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084889.D
Acq: 17 Nov 2024 12:48

Tgt Ion: 91 Resp: 3027
Ion Ratio Lower Upper
91 100
120 20.3 10.8 32.4





#86

p-Isopropyltoluene

Concen: 0.268 ug/l

RT: 13.723 min Scan# 2002

Delta R.T. -0.006 min

Lab File: VN084889.D

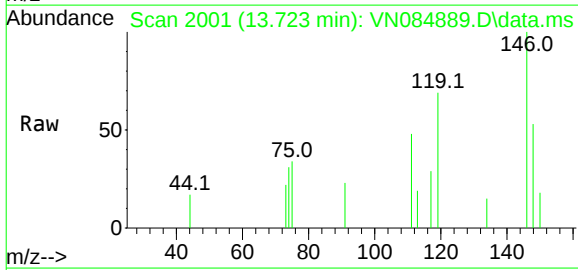
Acq: 17 Nov 2024 12:48

Instrument :

MSVOA_N

ClientSampleId :

FSND-RB-1-20241111



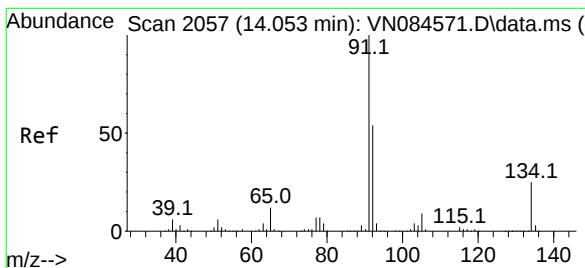
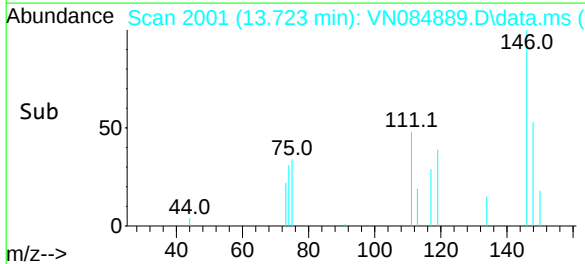
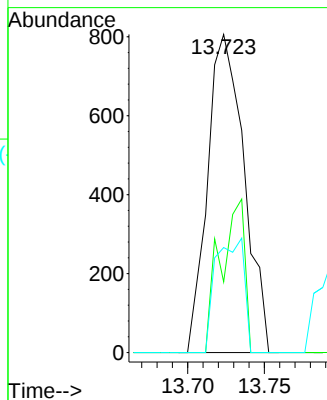
Tgt Ion:119 Resp: 1333

Ion Ratio Lower Upper

119 100

134 32.0 12.6 37.8

91 27.8 12.4 37.2



#89

n-Butylbenzene

Concen: 0.645 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN084889.D

Acq: 17 Nov 2024 12:48

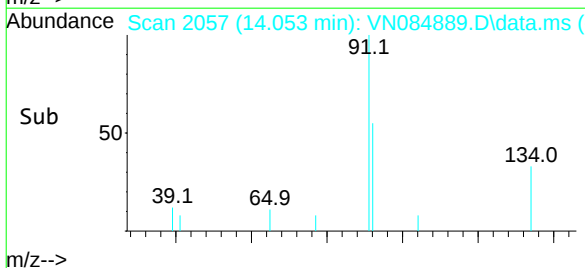
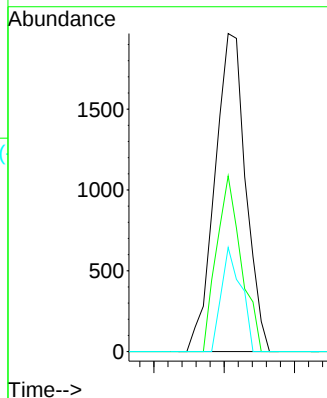
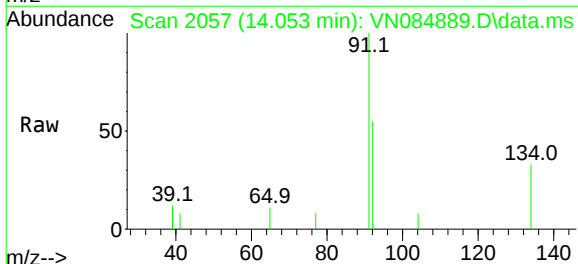
Tgt Ion: 91 Resp: 3004

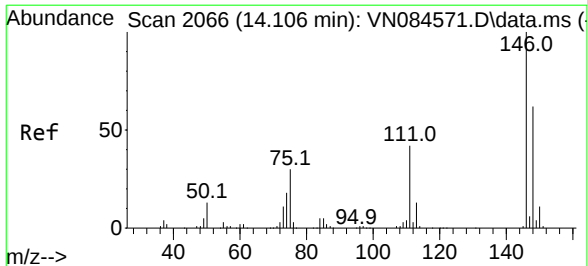
Ion Ratio Lower Upper

91 100

92 44.2 26.6 79.7

134 20.9 12.3 36.9





#91

1,2-Dichlorobenzene

Concen: 0.702 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VN084889.D

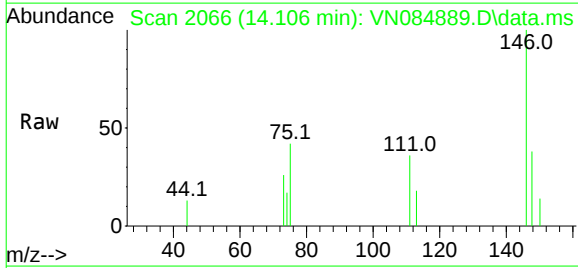
Acq: 17 Nov 2024 12:48

Instrument :

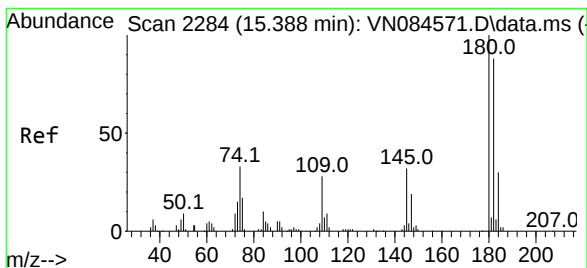
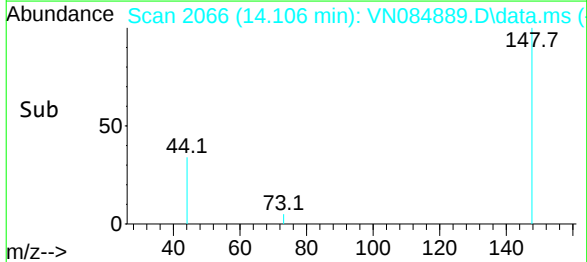
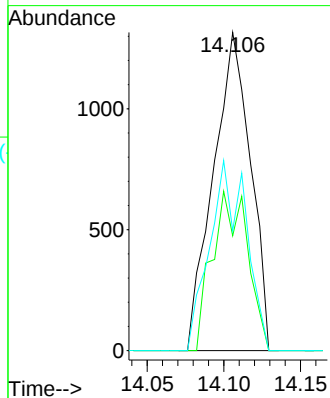
MSVOA_N

ClientSampleId :

FSND-RB-1-20241111



Tgt Ion:	146	Resp:	2217
Ion	Ratio	Lower	Upper
146	100		
111	47.6	22.0	66.0
148	58.4	32.1	96.3



#93

1,2,4-Trichlorobenzene

Concen: 1.403 ug/l

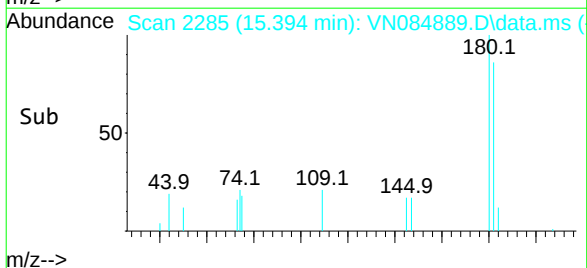
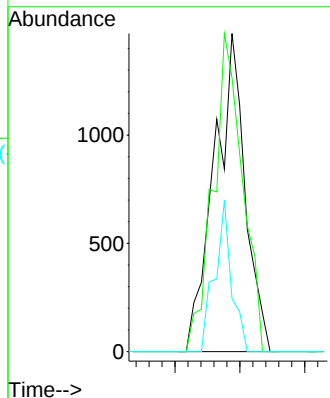
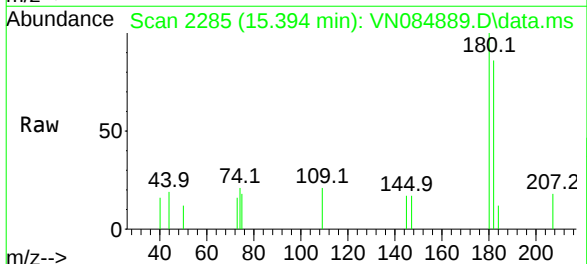
RT: 15.394 min Scan# 2285

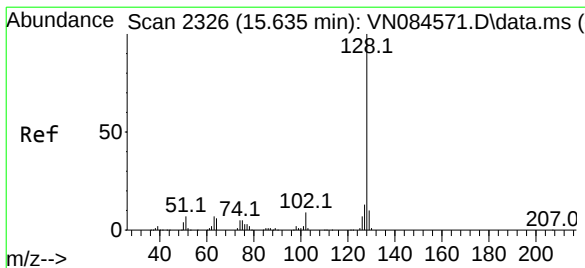
Delta R.T. 0.006 min

Lab File: VN084889.D

Acq: 17 Nov 2024 12:48

Tgt Ion:	180	Resp:	2424
Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.0	141.0
145	26.0	16.4	49.4





#95

Naphthalene

Concen: 1.276 ug/l

RT: 15.641 min Scan# 2326

Delta R.T. 0.006 min

Lab File: VN084889.D

Acq: 17 Nov 2024 12:48

Instrument :

MSVOA_N

ClientSampleId :

FSND-RB-1-20241111

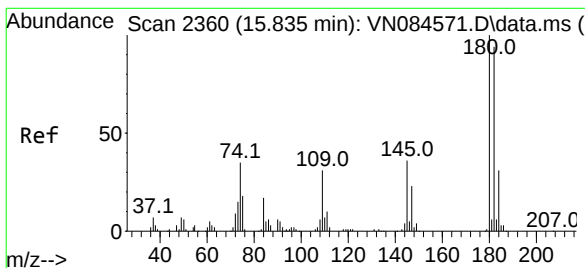
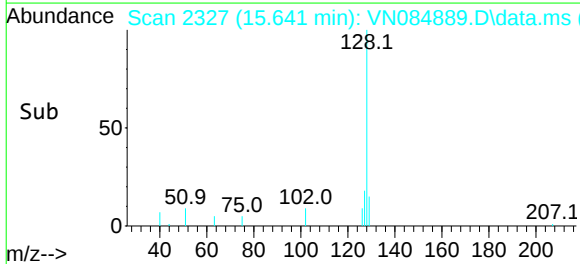
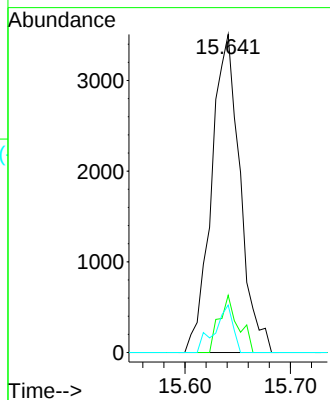
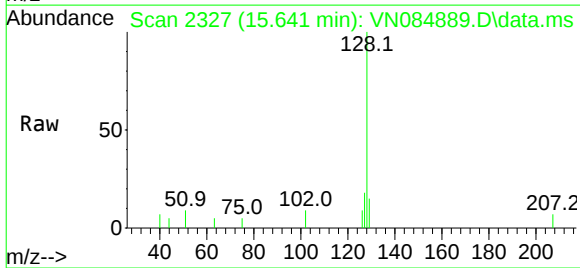
Tgt Ion:128 Resp: 6601

Ion Ratio Lower Upper

128 100

127 12.0 10.5 15.7

129 9.5 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 1.466 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN084889.D

Acq: 17 Nov 2024 12:48

Tgt Ion:180 Resp: 2459

Ion Ratio Lower Upper

180 100

182 90.4 48.2 144.6

145 34.0 17.3 51.9

