

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
 Data File : VN084945.D
 Acq On : 19 Nov 2024 14:29
 Operator : JC\MD
 Sample : P4845-19DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-GEP-2-20241111DL

Quant Time: Nov 20 00:29:12 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)

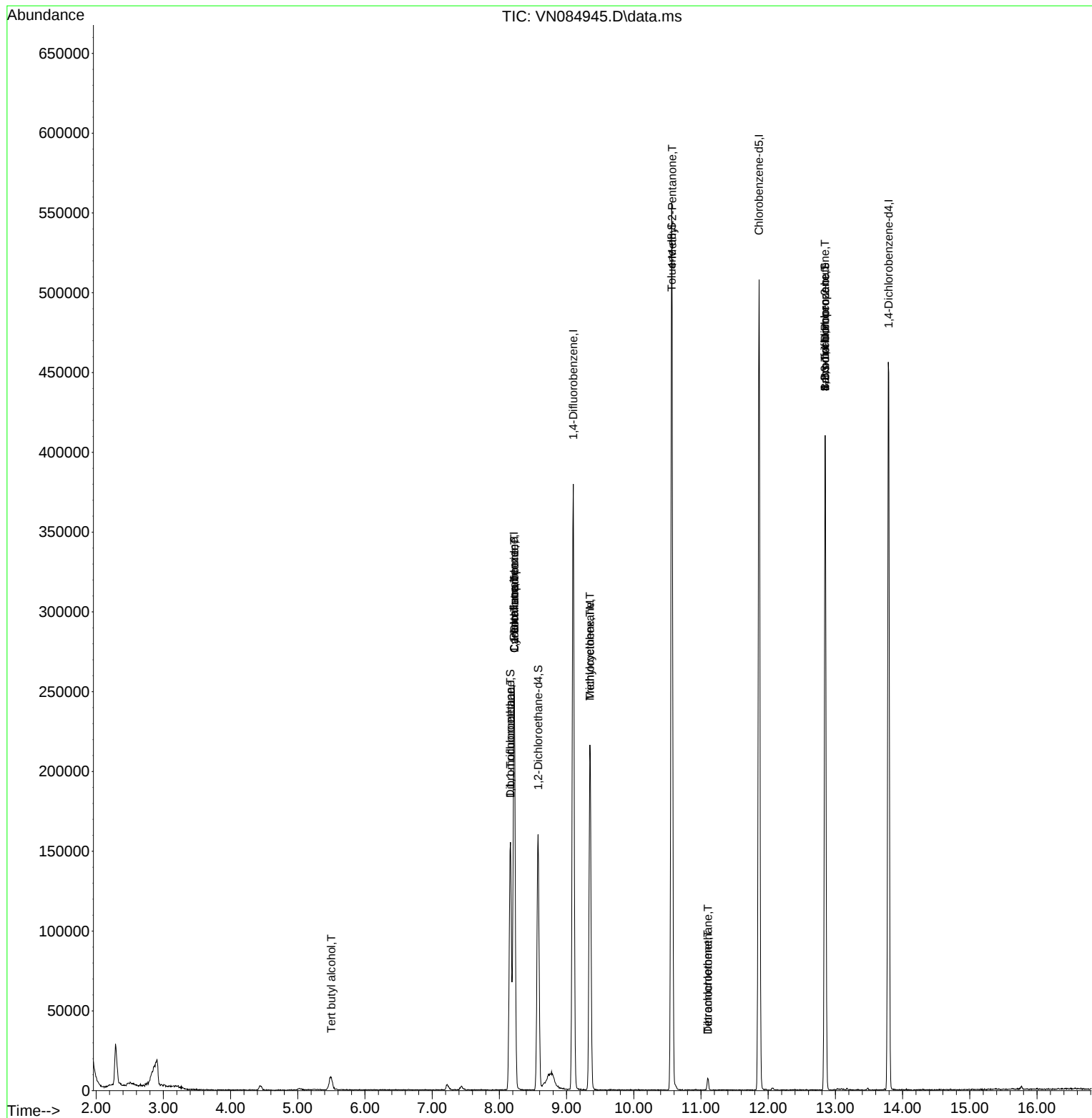
Internal Standards						
1) Pentafluorobenzene	8.218	168	178600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	285884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	133492	51.749	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.500%			
35) Dibromofluoromethane	8.165	113	104996	47.857	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.720%			
50) Toluene-d8	10.565	98	375860	46.507	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.020%			
62) 4-Bromofluorobenzene	12.847	95	143610	47.546	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.100%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	693	Below Cal	#	41
6) Chloroethane	3.124	64	149	Below Cal	#	45
11) Tert butyl alcohol	5.500	59	7524	22.097	ug/l #	73
16) Acetone	4.430	43	373	Below Cal	#	44
18) Methyl Acetate	5.018	43	2068	Below Cal	#	64
31) Cyclohexane	8.224	56	4177	1.173	ug/l #	15
32) 1,1,1-Trichloroethane	8.165	97	9032	2.478	ug/l #	49
36) 1,1-Dichloropropene	8.224	75	15521	5.101	ug/l #	51
38) Carbon Tetrachloride	8.224	117	20455	6.014	ug/l #	16
39) Methylcyclohexane	9.347	83	800	0.258	ug/l #	3
43) Isopropyl Acetate	8.665	43	3928	Below Cal	#	56
44) Trichloroethene	9.347	130	78042	34.630	ug/l	99
51) 4-Methyl-2-Pentanone	10.571	43	1763	0.670	ug/l #	1
60) Dibromochloromethane	11.106	129	1729	0.705	ug/l #	11
64) Tetrachloroethene	11.100	164	1733	0.911	ug/l #	81
71) Bromoform	12.847	173	787	0.470	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	74020	30.018	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74020	71.214	ug/l #	11
88) 1,4-Dichlorobenzene	13.800	146	361	Below Cal	#	1

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

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Quant Time: Nov 20 00:29:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
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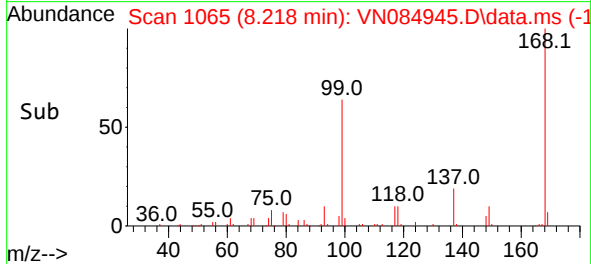
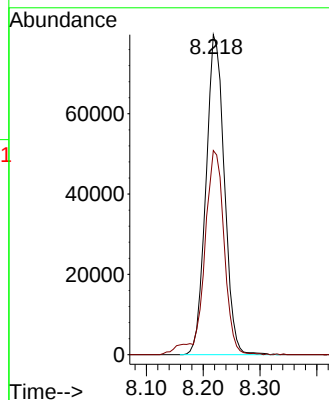
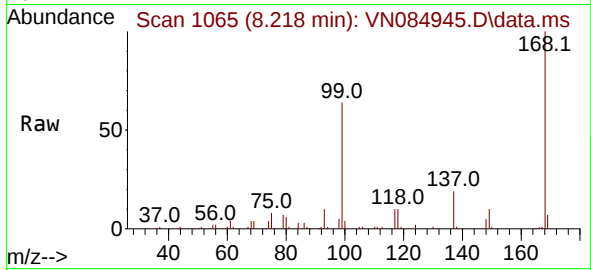




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

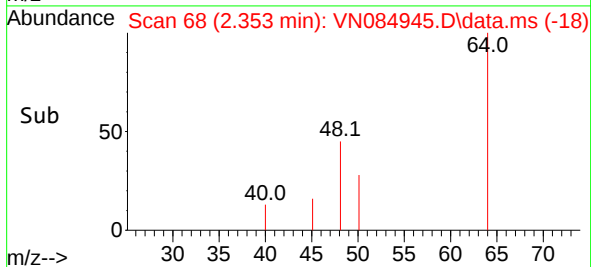
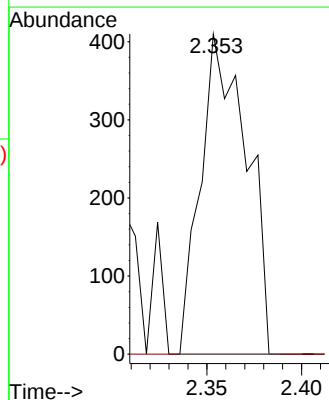
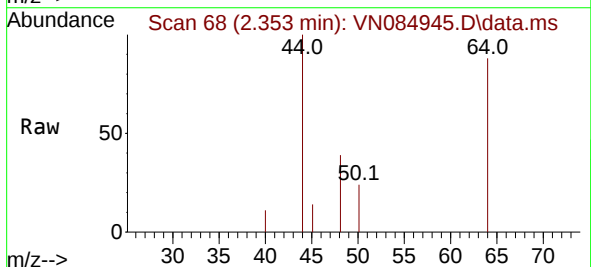
Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-2-20241111DL

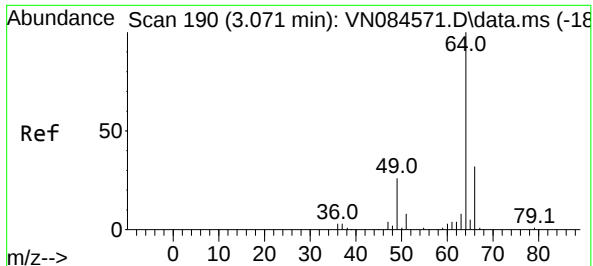
Tgt Ion:168 Resp: 178600
Ion Ratio Lower Upper
168 100
99 63.8 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

Tgt Ion: 50 Resp: 693
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

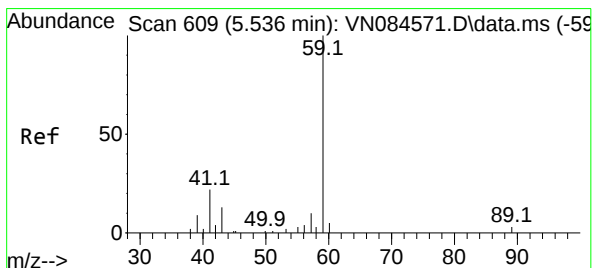
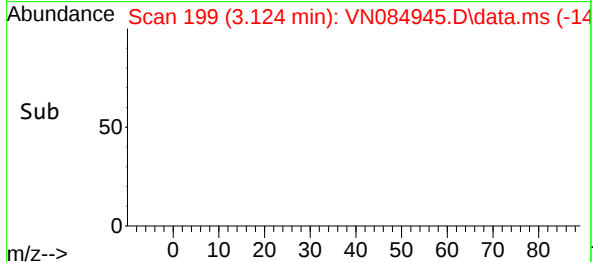
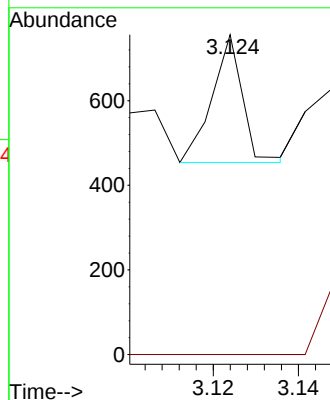
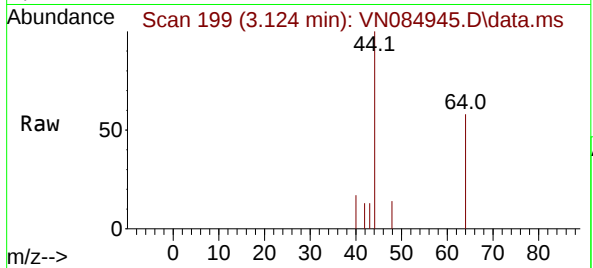




#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

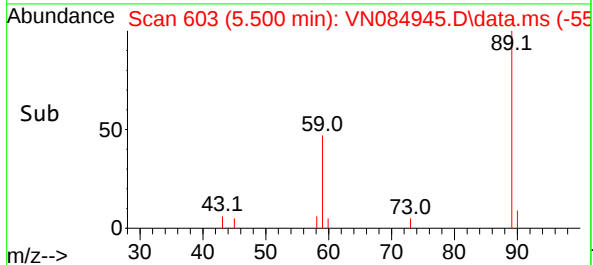
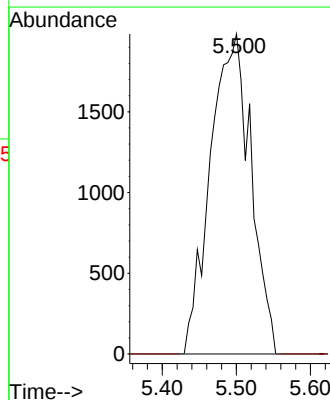
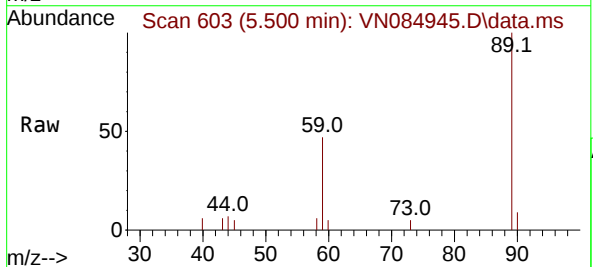
Instrument :
MSVOA_N
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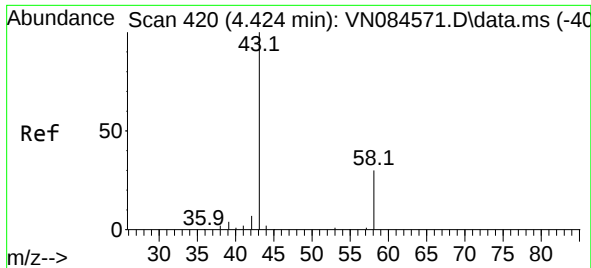
Tgt Ion: 64 Resp: 149
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 22.097 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.024 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

Tgt Ion: 59 Resp: 7524
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: Below Cal

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN084945.D

Acq: 19 Nov 2024 14:29

Instrument :

MSVOA_N

ClientSampleId :

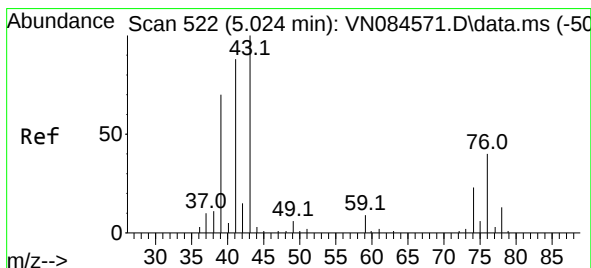
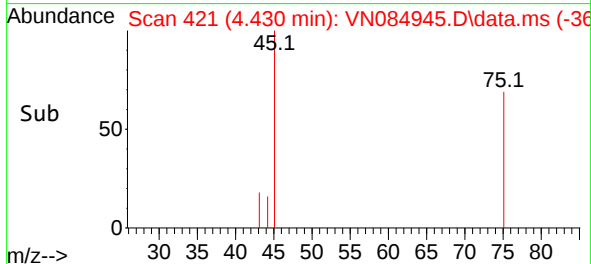
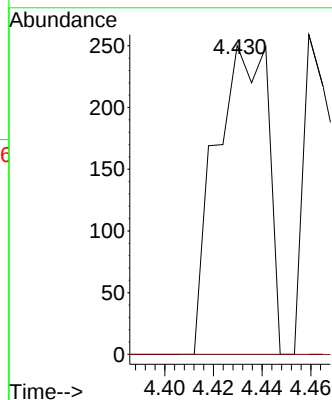
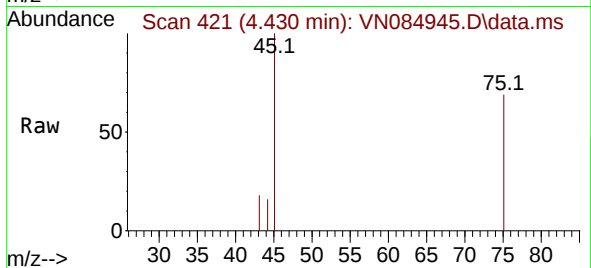
FSND-GEP-2-20241111DL

Tgt Ion: 43 Resp: 373

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#



#18

Methyl Acetate

Concen: Below Cal

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN084945.D

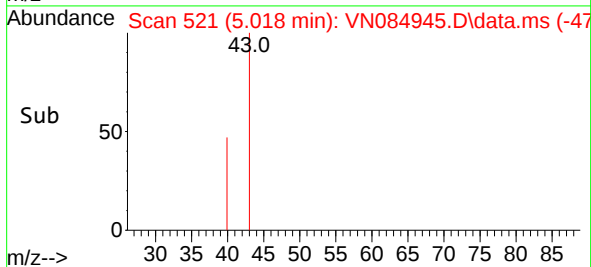
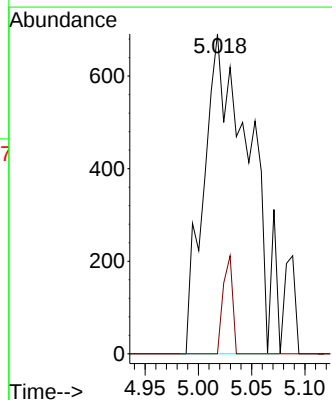
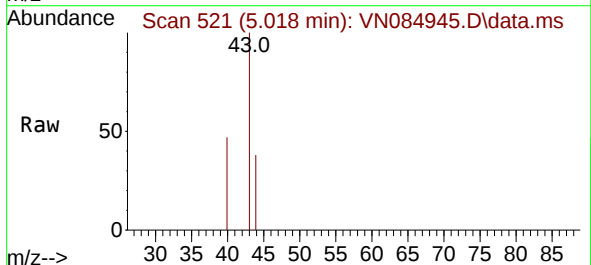
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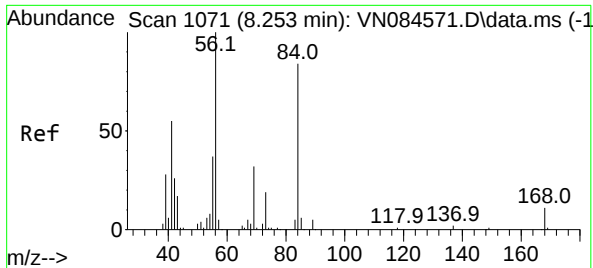
Tgt Ion: 43 Resp: 2068

Ion Ratio Lower Upper

43 100

74 6.2 19.2 28.8#

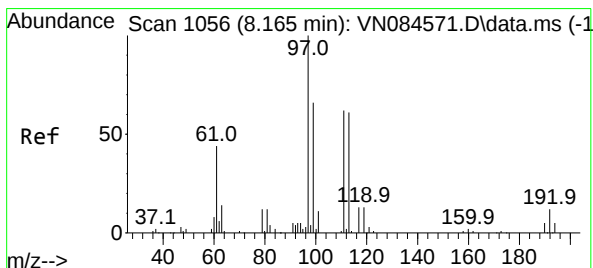
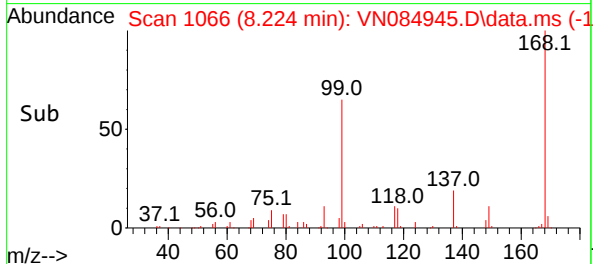
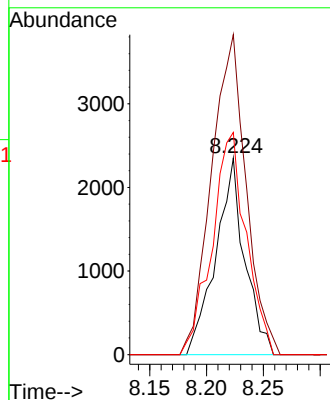
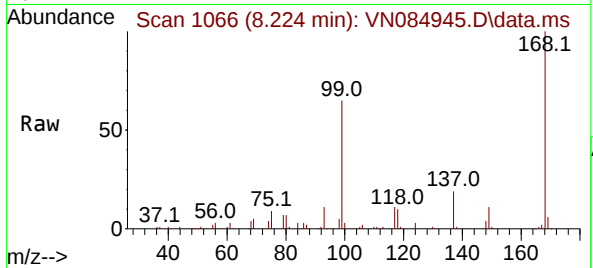




#31
Cyclohexane
Concen: 1.173 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

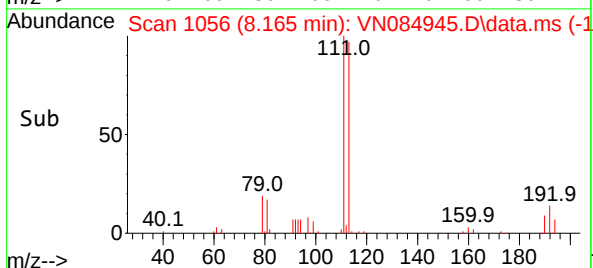
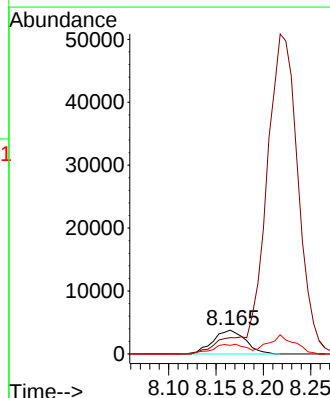
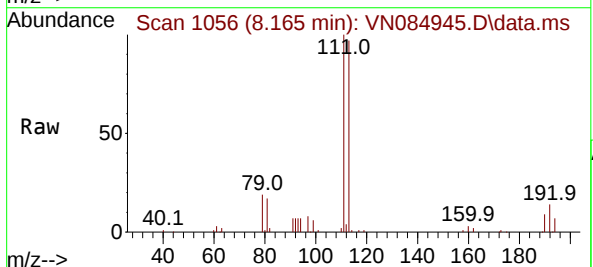
Instrument :
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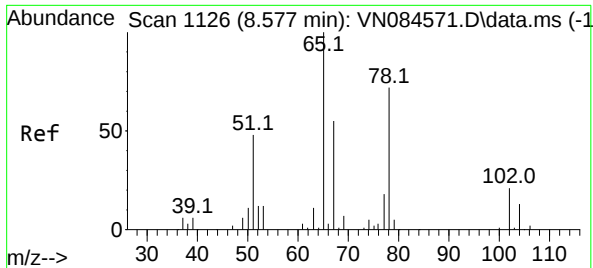
Tgt Ion: 56 Resp: 4177
Ion Ratio Lower Upper
56 100
69 162.7 23.8 35.6#
84 113.0 68.8 103.2#



#32
1,1,1-Trichloroethane
Concen: 2.478 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

Tgt Ion: 97 Resp: 9032
Ion Ratio Lower Upper
97 100
99 0.0 51.2 76.8#
61 41.1 37.5 56.3

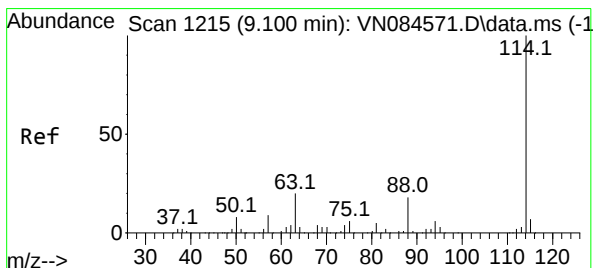
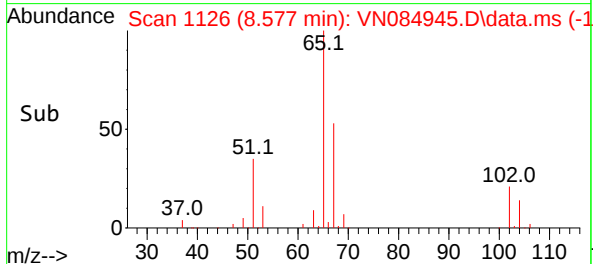
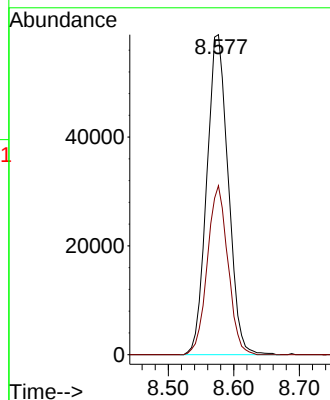
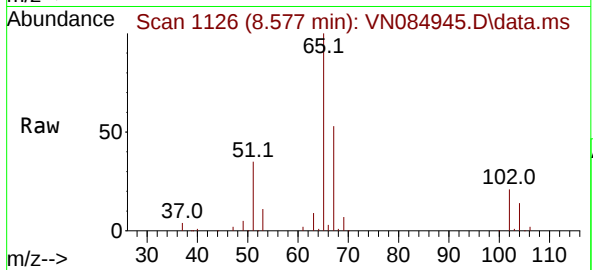




#33
1,2-Dichloroethane-d4
Concen: 51.749 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

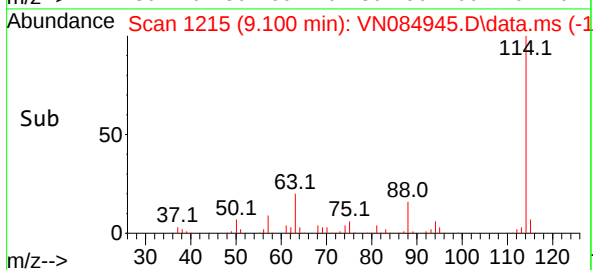
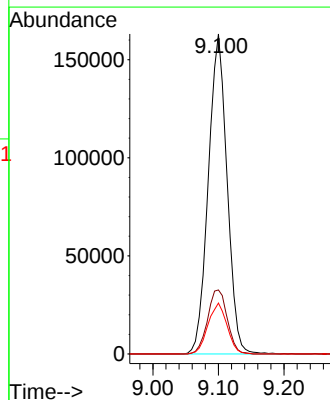
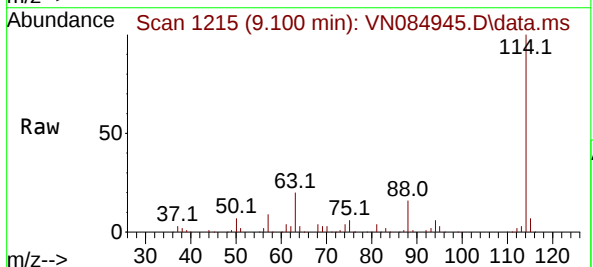
Instrument :
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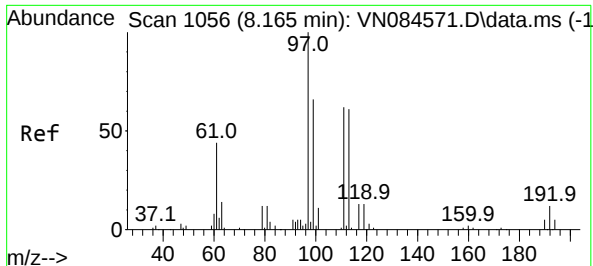
Tgt Ion: 65 Resp: 133492
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

Tgt Ion: 114 Resp: 324130
Ion Ratio Lower Upper
114 100
63 20.0 0.0 43.8
88 15.9 0.0 31.6

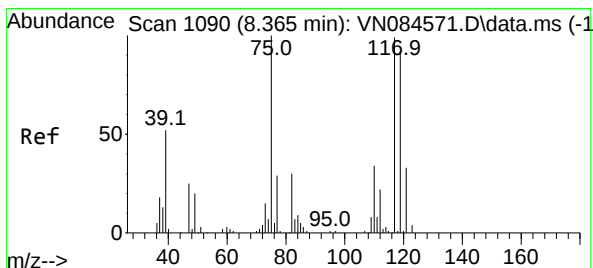
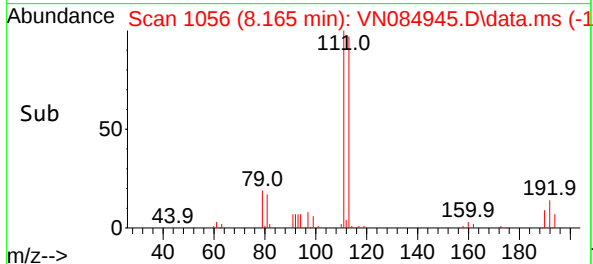
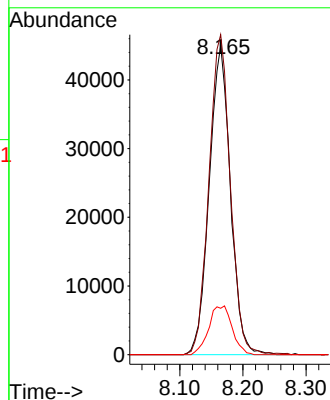
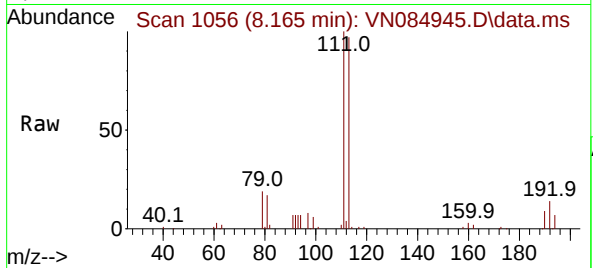




#35
Dibromofluoromethane
Concen: 47.857 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

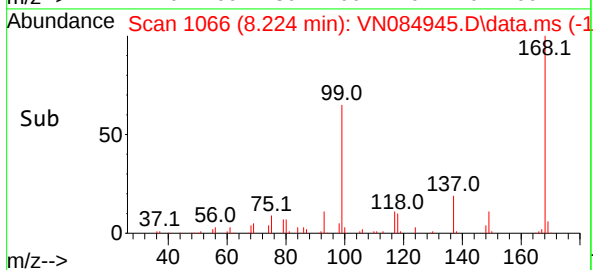
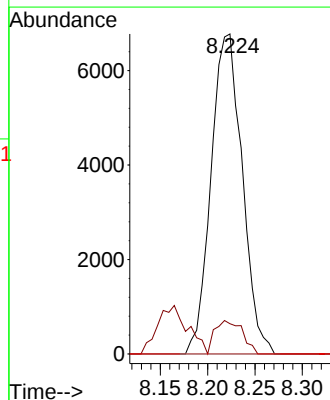
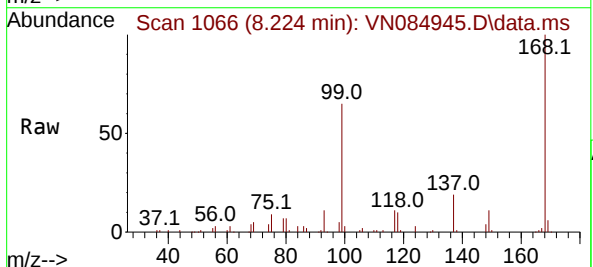
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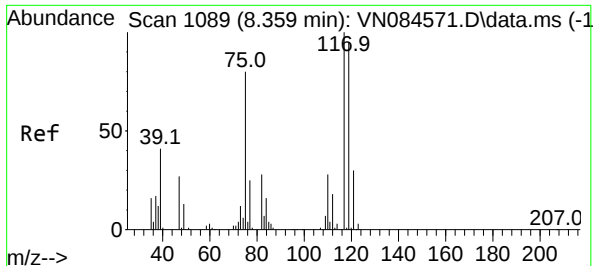
Tgt Ion:113 Resp: 104996
Ion Ratio Lower Upper
113 100
111 104.4 83.3 124.9
192 17.4 13.5 20.3



#36
1,1-Dichloropropene
Concen: 5.101 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

Tgt Ion: 75 Resp: 15521
Ion Ratio Lower Upper
75 100
110 9.2 16.9 50.7#
77 0.0 24.7 37.1#

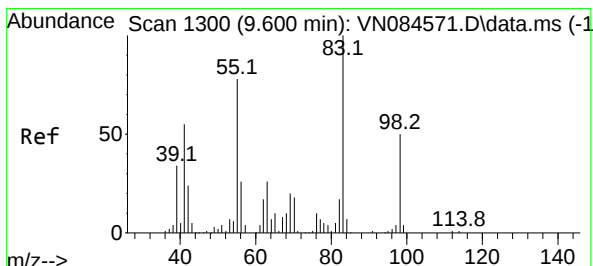
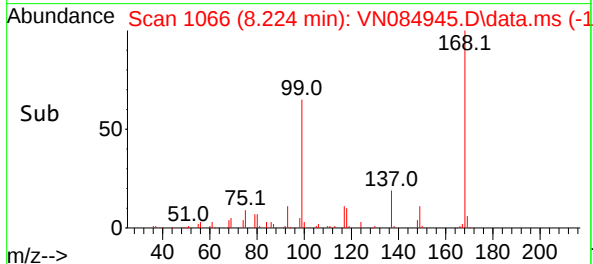
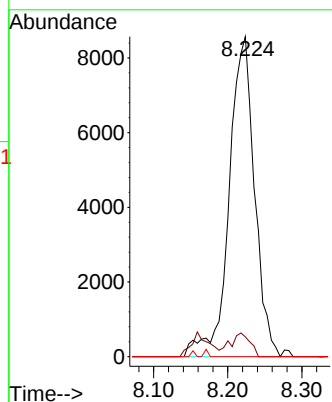
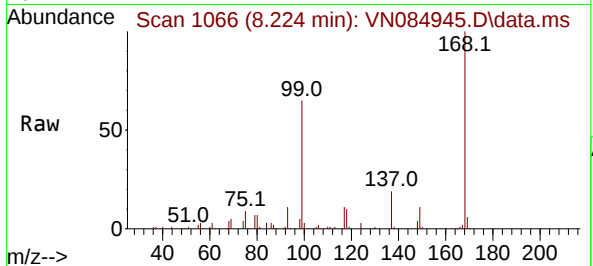




#38
Carbon Tetrachloride
Concen: 6.014 ug/l
RT: 8.224 min Scan# 11
Delta R.T. -0.135 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

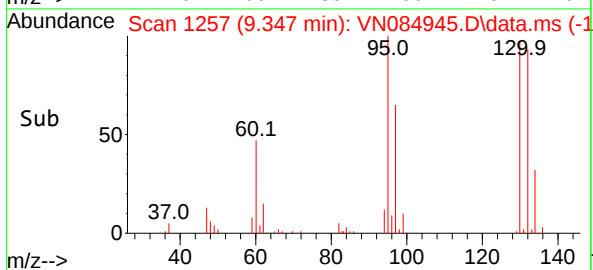
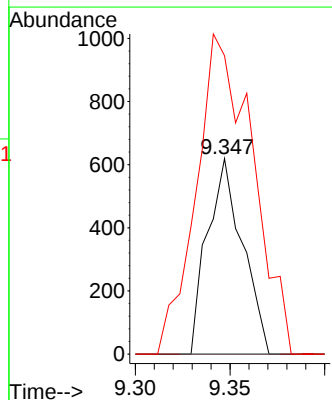
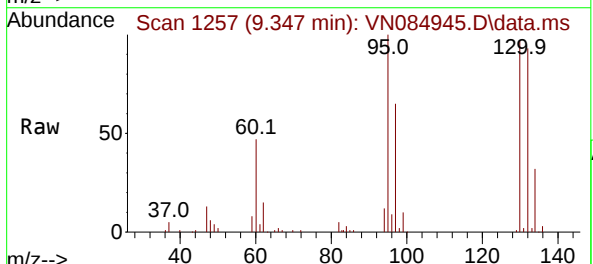
Instrument :
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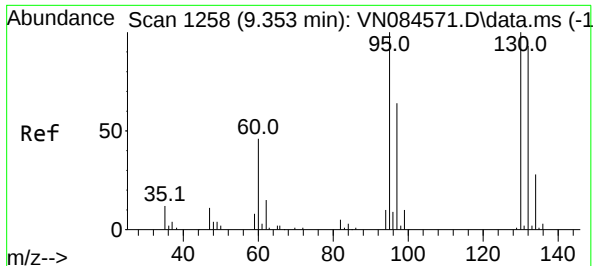
Tgt Ion:117 Resp: 20455
Ion Ratio Lower Upper
117 100
119 6.2 78.7 118.1#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.258 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.253 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

Tgt Ion: 83 Resp: 800
Ion Ratio Lower Upper
83 100
55 0.0 62.8 94.2#
98 121.8 38.8 58.2#

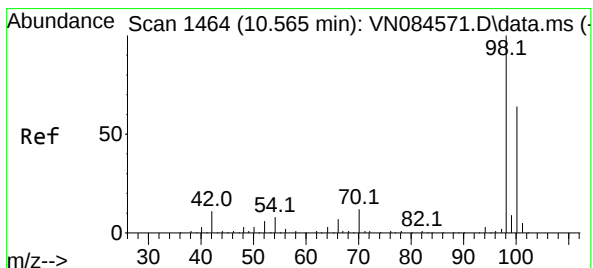
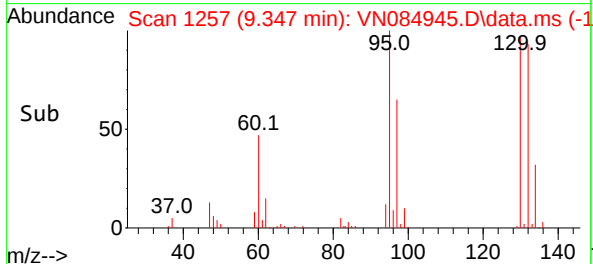
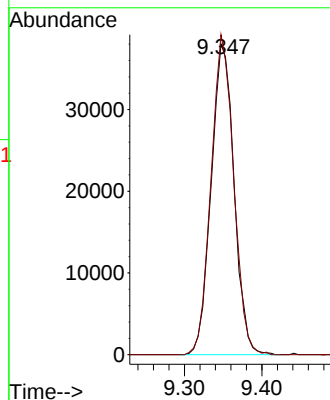
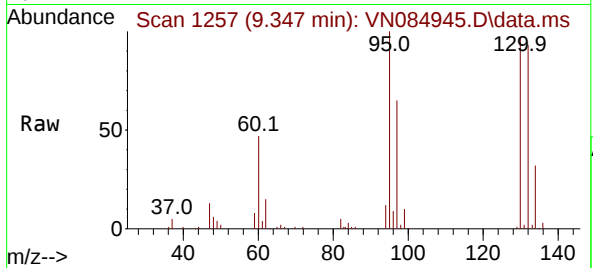




#44
Trichloroethene
Concen: 34.630 ug/l
RT: 9.347 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

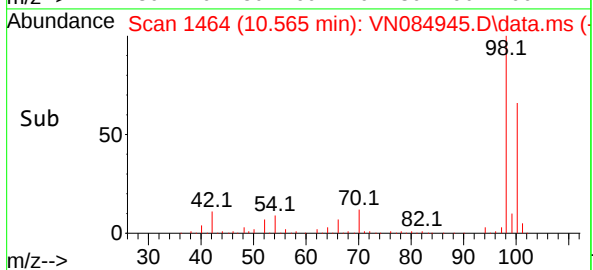
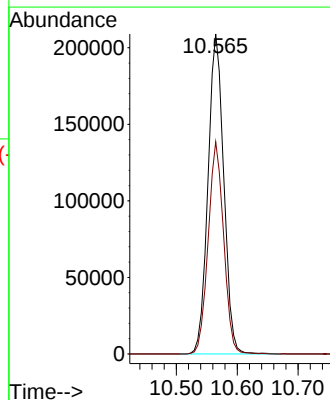
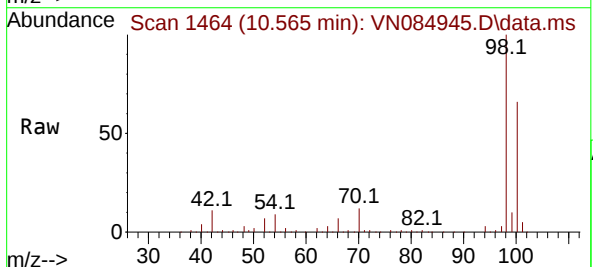
Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-2-20241111DL

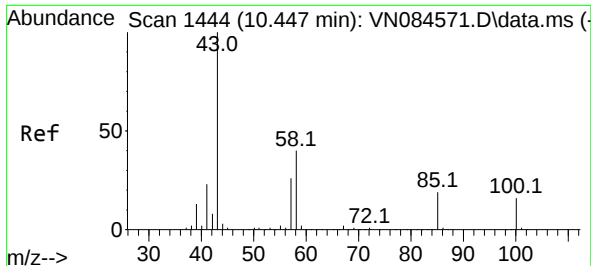
Tgt Ion:130 Resp: 78042
Ion Ratio Lower Upper
130 100
95 103.0 0.0 203.0



#50
Toluene-d8
Concen: 46.507 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

Tgt Ion: 98 Resp: 375860
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 0.670 ug/l

RT: 10.571 min Scan# 1444

Delta R.T. 0.129 min

Lab File: VN084945.D

Acq: 19 Nov 2024 14:29

Instrument :

MSVOA_N

ClientSampleId :

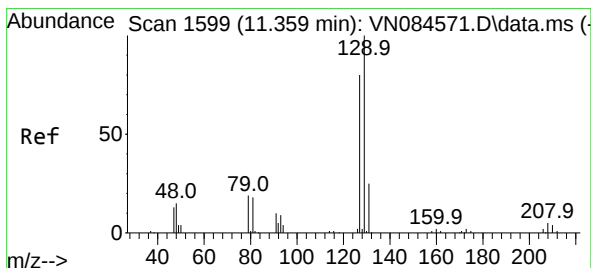
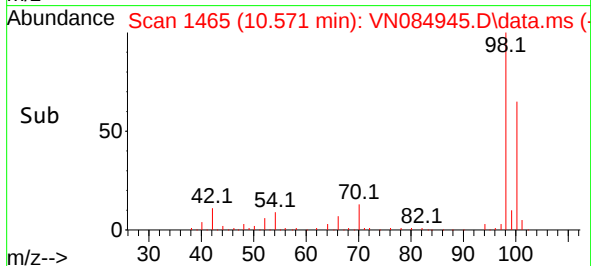
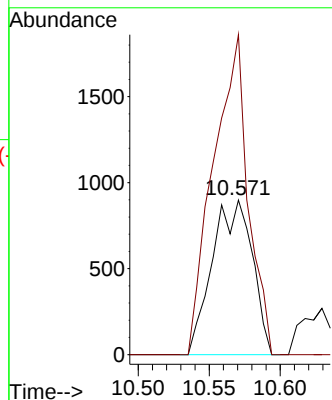
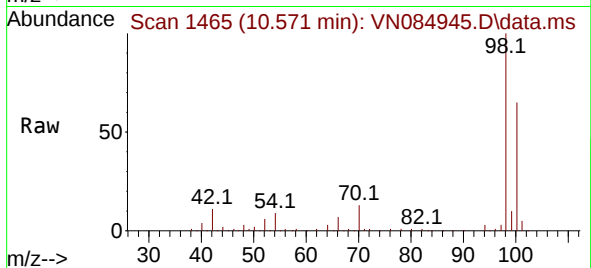
FSND-GEP-2-20241111DL

Tgt Ion: 43 Resp: 1763

Ion Ratio Lower Upper

43 100

58 180.3 31.6 47.4#



#60

Dibromochloromethane

Concen: 0.705 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.253 min

Lab File: VN084945.D

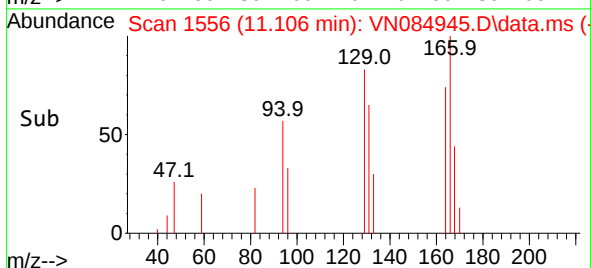
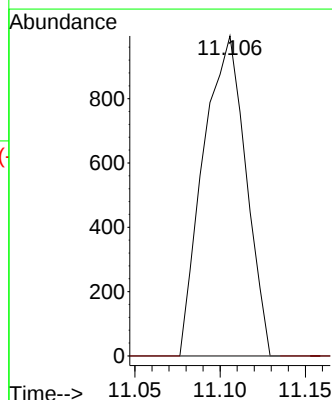
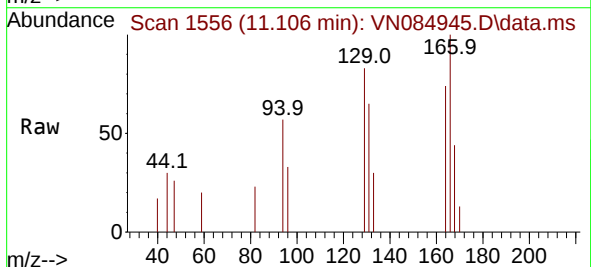
Acq: 19 Nov 2024 14:29

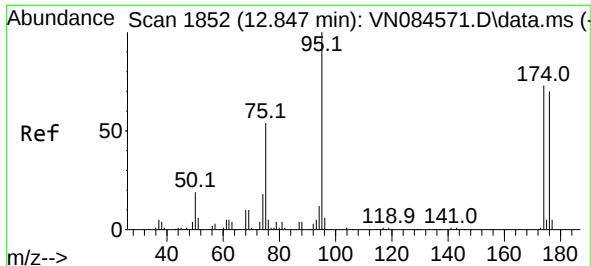
Tgt Ion: 129 Resp: 1729

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.9#

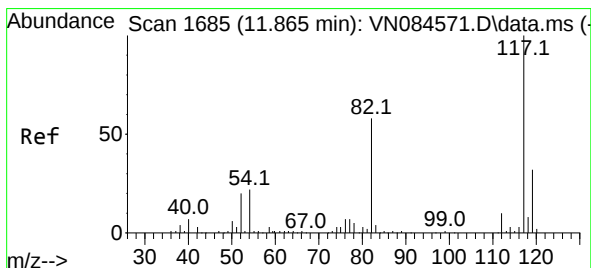
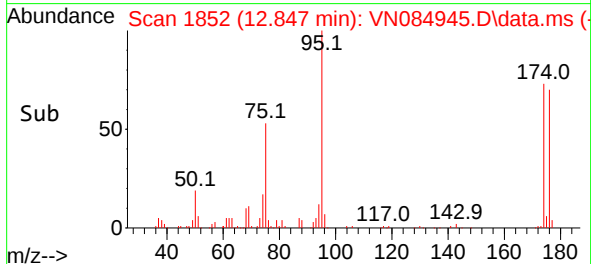
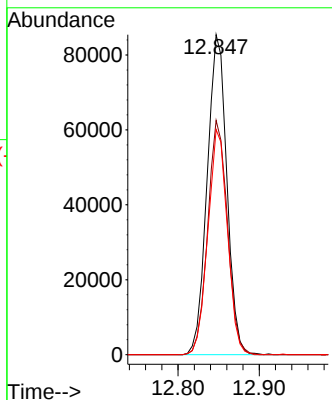
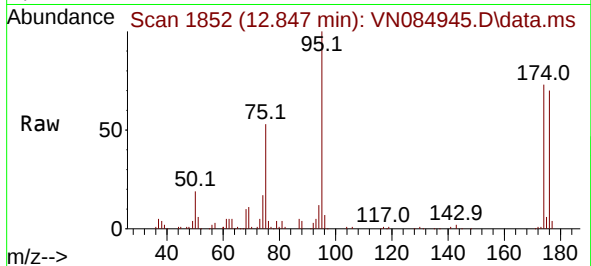




#62
4-Bromofluorobenzene
Concen: 47.546 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

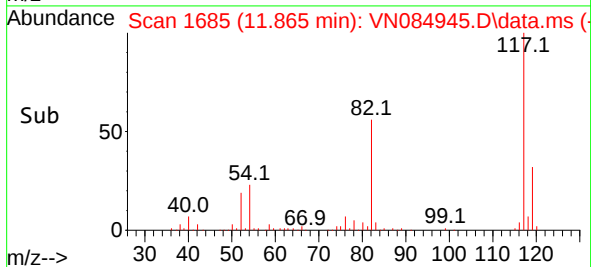
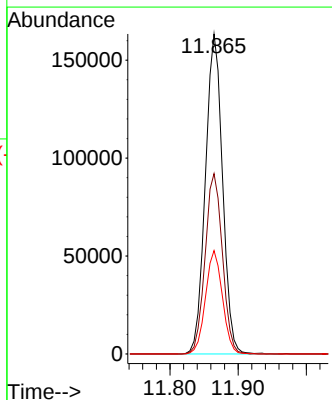
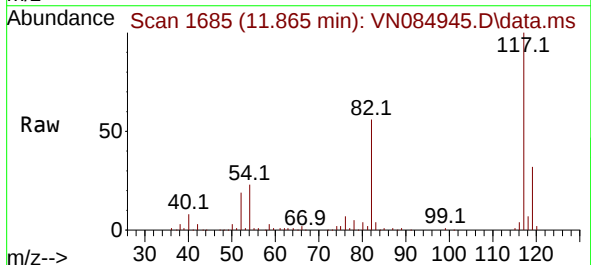
Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-2-20241111DL

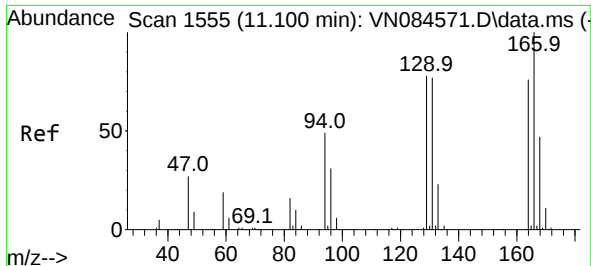
Tgt Ion: 95 Resp: 143610
Ion Ratio Lower Upper
95 100
174 73.4 0.0 145.2
176 69.8 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

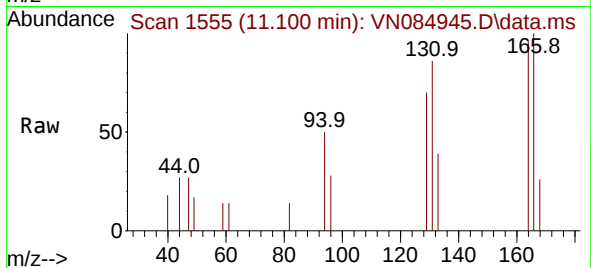
Tgt Ion: 117 Resp: 285884
Ion Ratio Lower Upper
117 100
82 56.4 47.2 70.8
119 32.3 25.4 38.0



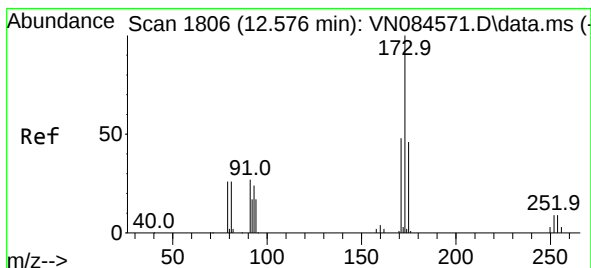
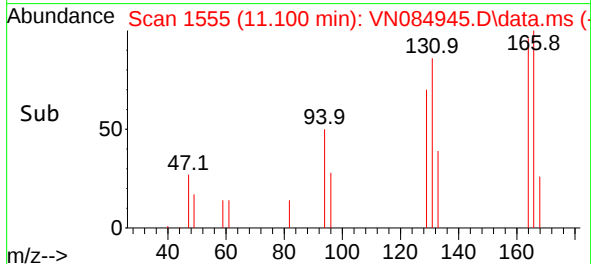
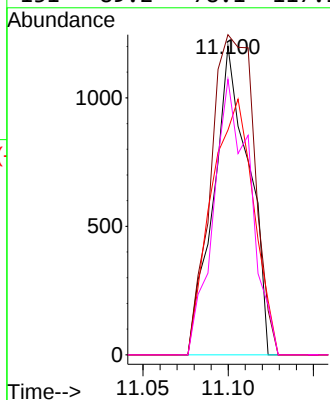


#64
Tetrachloroethene
Concen: 0.911 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

Instrument :
MSVOA_N
ClientSampleId :
FSND-GEP-2-20241111DL

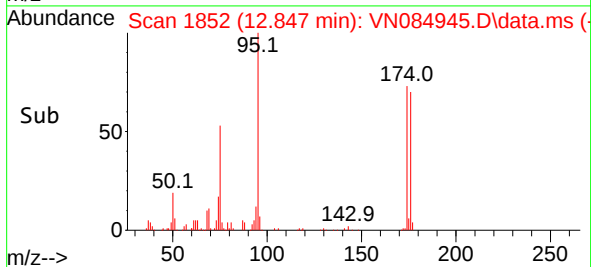
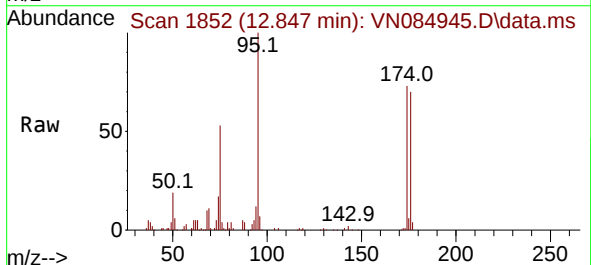
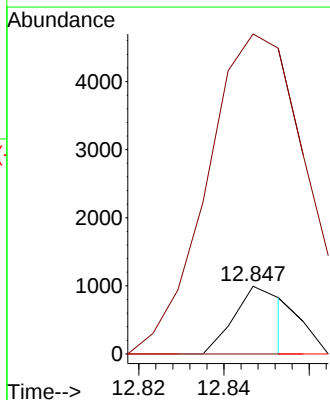


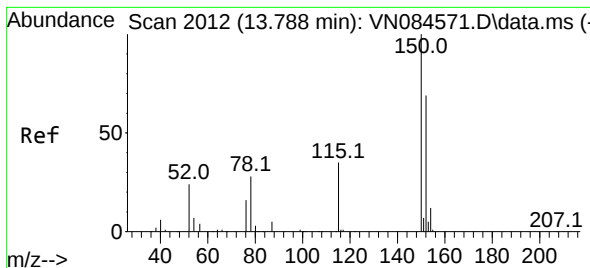
Tgt Ion:164 Resp: 1733
Ion Ratio Lower Upper
164 100
166 103.7 101.0 151.4
129 72.8 80.8 121.2#
131 89.2 78.1 117.1



#71
Bromoform
Concen: 0.470 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN084945.D
Acq: 19 Nov 2024 14:29

Tgt Ion:173 Resp: 787
Ion Ratio Lower Upper
173 100
175 754.0 23.5 70.6#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN084945.D

Acq: 19 Nov 2024 14:29

Instrument :

MSVOA_N

ClientSampleId :

FSND-GEP-2-20241111DL

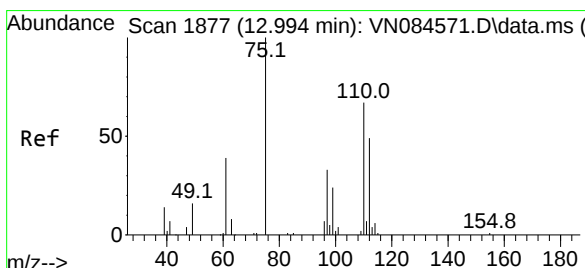
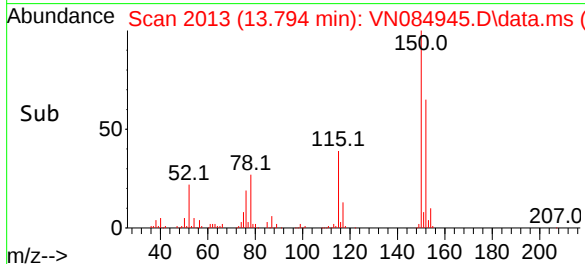
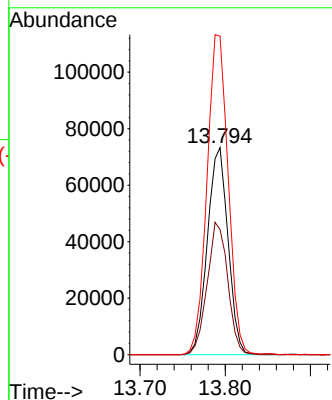
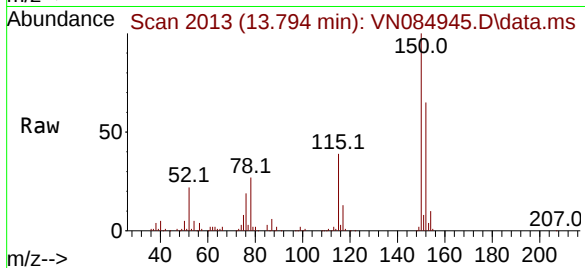
Tgt Ion:152 Resp: 123358

Ion Ratio Lower Upper

152 100

115 63.7 31.3 93.9

150 158.4 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 30.018 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084945.D

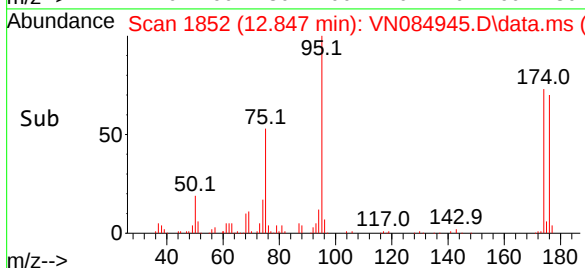
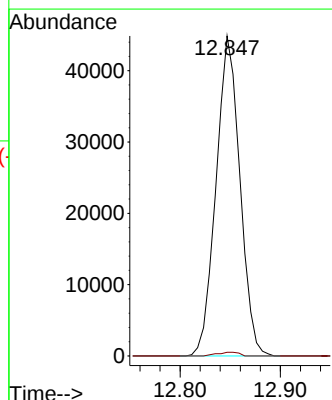
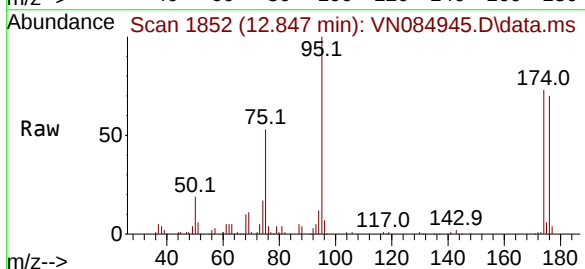
Acq: 19 Nov 2024 14:29

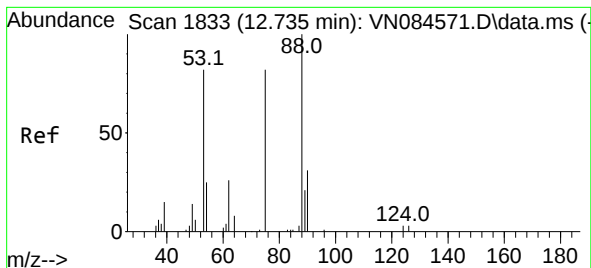
Tgt Ion: 75 Resp: 74020

Ion Ratio Lower Upper

75 100

77 1.1 96.9 290.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 71.214 ug/l

RT: 12.847 min Scan# 1833

Delta R.T. 0.112 min

Lab File: VN084945.D

Acq: 19 Nov 2024 14:29

Instrument :

MSVOA_N

ClientSampleId :

FSND-GEP-2-20241111DL

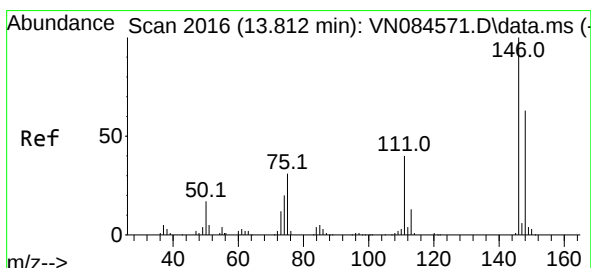
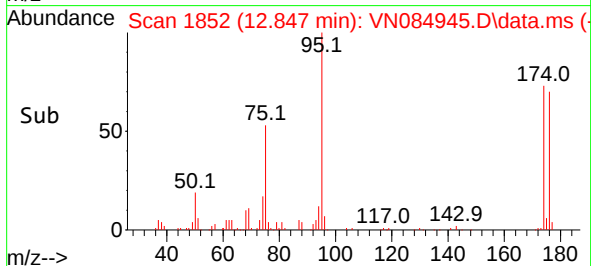
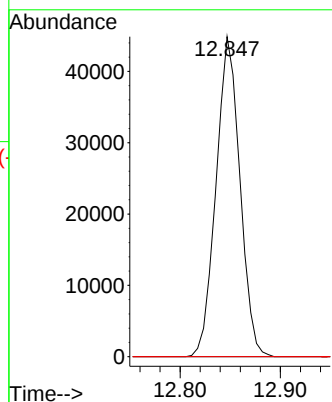
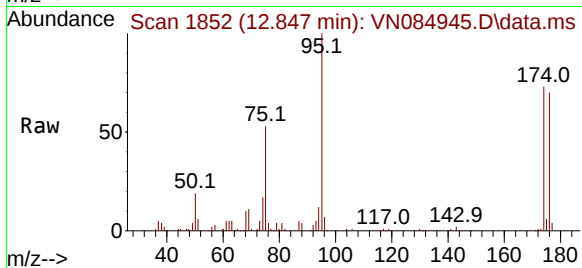
Tgt Ion: 75 Resp: 74020

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: 13.800 min Scan# 2014

Delta R.T. -0.012 min

Lab File: VN084945.D

Acq: 19 Nov 2024 14:29

Tgt Ion:146 Resp: 361

Ion Ratio Lower Upper

146 100

111 515.0 21.2 63.6#

148 161.5 31.9 95.9#

