

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085017.D
 Acq On : 22 Nov 2024 19:41
 Operator : JC\MD
 Sample : P4845-22
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-11R-20241112

Quant Time: Nov 23 03:26:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	171347	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	300993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	258728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119305	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	124562	51.035	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.080%	
35) Dibromofluoromethane	8.159	113	99740	49.138	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.280%	
50) Toluene-d8	10.565	98	351405	48.308	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.620%	
62) 4-Bromofluorobenzene	12.847	95	127947	47.033	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 94.060%	

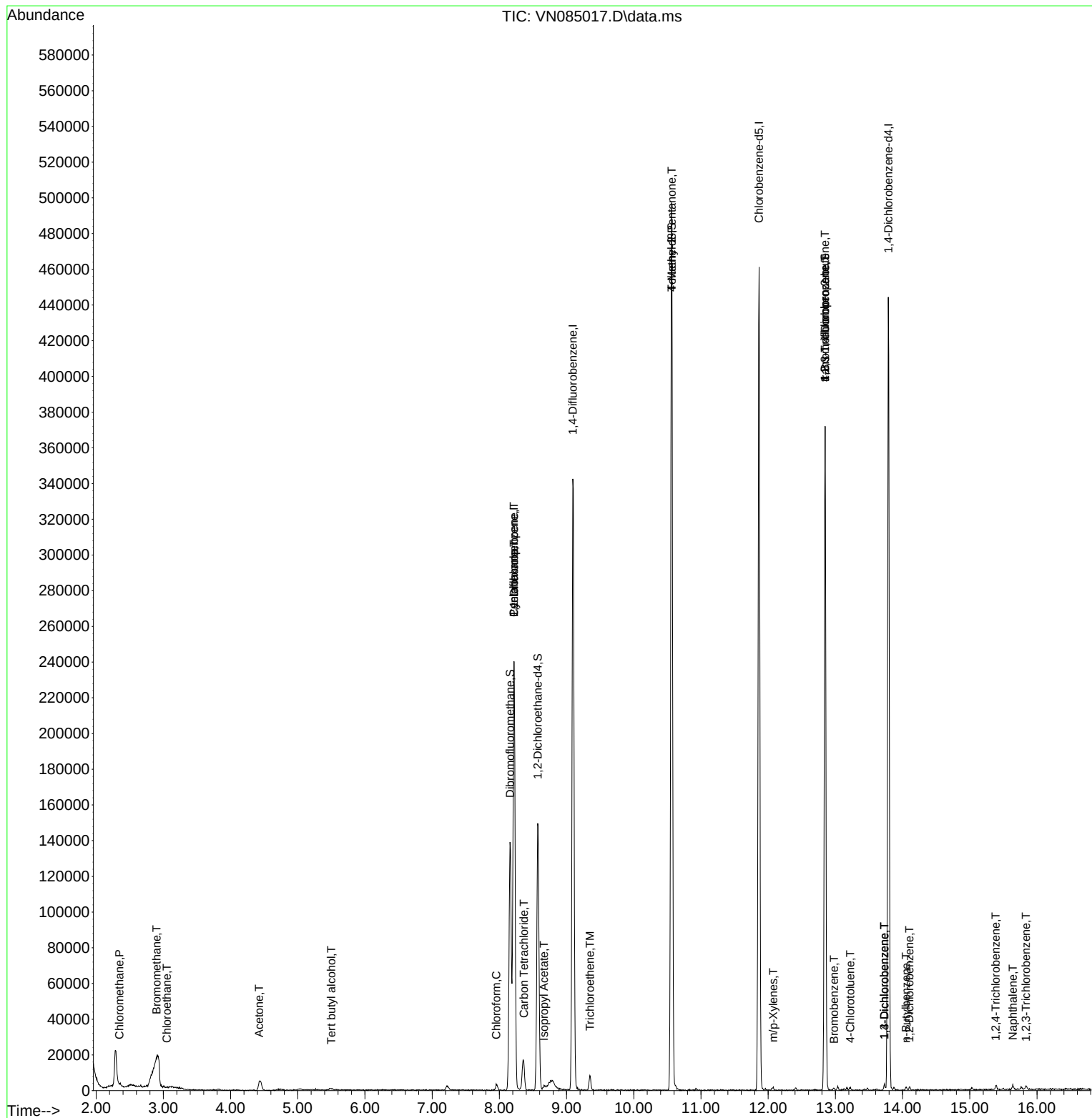
Target Compounds				Qvalue		
3) Chloromethane	2.348	50	623	0.277	ug/l #	40
5) Bromomethane	2.901	94	511	0.451	ug/l #	55
6) Chloroethane	3.053	64	316	0.232	ug/l #	44
11) Tert butyl alcohol	5.500	59	901	2.762	ug/l #	75
16) Acetone	4.424	43	1388	1.953	ug/l #	85
18) Methyl Acetate	5.012	43	547	Below Cal	#	50
30) Chloroform	7.953	83	3297	0.839	ug/l	98
31) Cyclohexane	8.218	56	3763	1.157	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14481	5.267	ug/l #	49
38) Carbon Tetrachloride	8.365	117	13585	4.281	ug/l	97
43) Isopropyl Acetate	8.665	43	1396	0.269	ug/l #	55
44) Trichloroethene	9.347	130	2979	1.474	ug/l	97
51) 4-Methyl-2-Pentanone	10.565	43	1367	0.576	ug/l #	1
68) m/p-Xylenes	12.076	106	778	0.215	ug/l	89
76) 1,2,3-Trichloropropane	12.847	75	67691	31.193	ug/l #	1
77) Bromobenzene	12.982	156	481	0.212	ug/l	72
81) trans-1,4-Dichloro-2-b...	12.847	75	67691	68.861	ug/l #	10
82) 4-Chlorotoluene	13.223	91	1483	0.220	ug/l #	67
87) 1,3-Dichlorobenzene	13.729	146	1251	0.280	ug/l	93
88) 1,4-Dichlorobenzene	13.729	146	1251	0.274	ug/l	96
89) n-Butylbenzene	14.053	91	1306	0.207	ug/l	92
91) 1,2-Dichlorobenzene	14.100	146	1191	0.278	ug/l	68
93) 1,2,4-Trichlorobenzene	15.388	180	1106	0.476	ug/l	90
95) Naphthalene	15.641	128	2856	0.431	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.835	180	1302	0.587	ug/l #	84

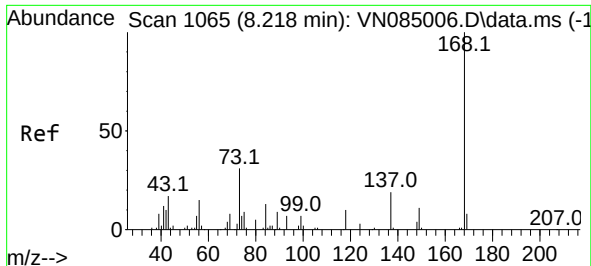
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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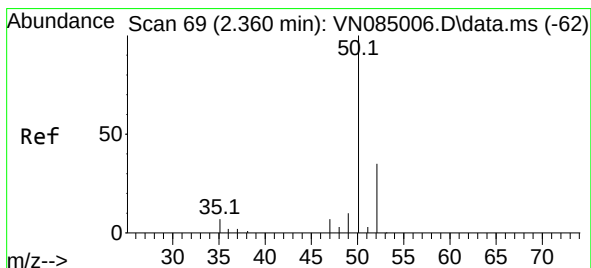
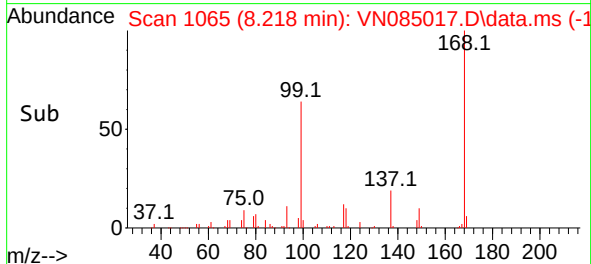
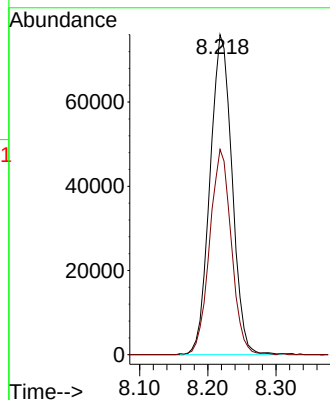
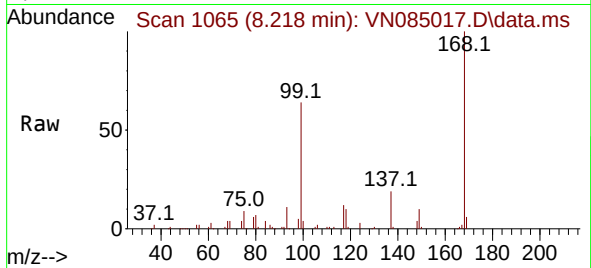




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

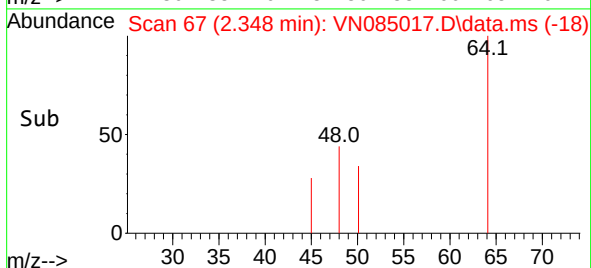
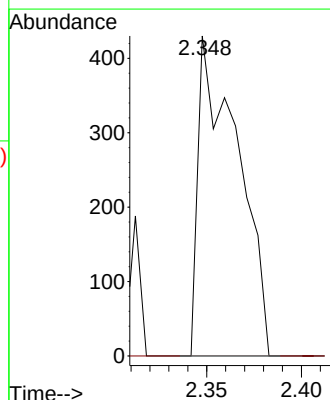
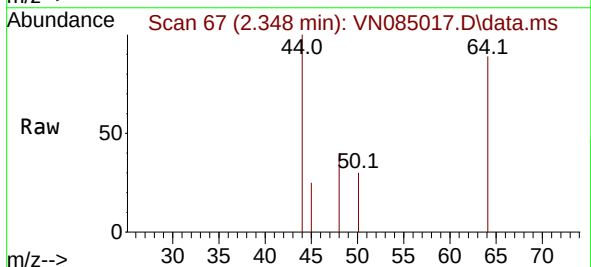
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

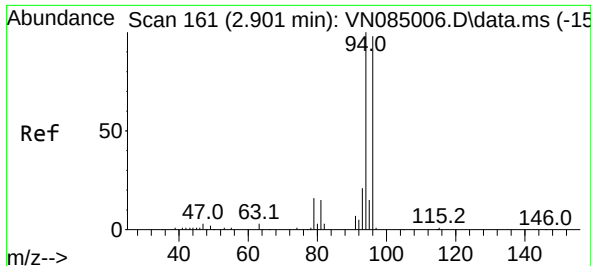
Tgt Ion:168 Resp: 171347
Ion Ratio Lower Upper
168 100
99 63.9 51.2 76.8



#3
Chloromethane
Concen: 0.277 ug/l
RT: 2.348 min Scan# 67
Delta R.T. -0.012 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

Tgt Ion: 50 Resp: 623
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

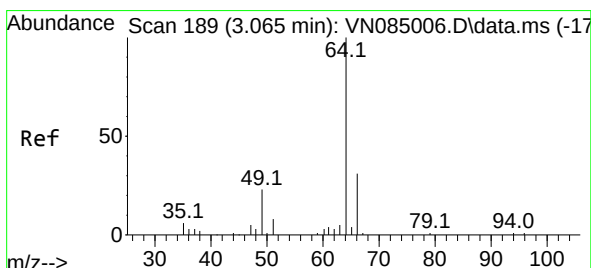
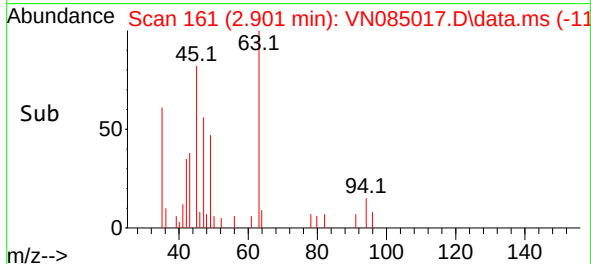
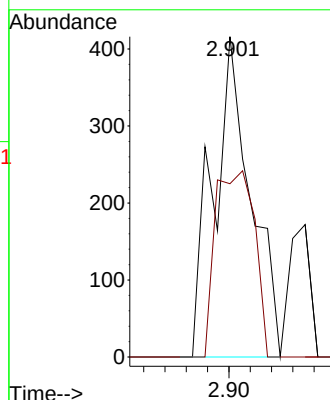
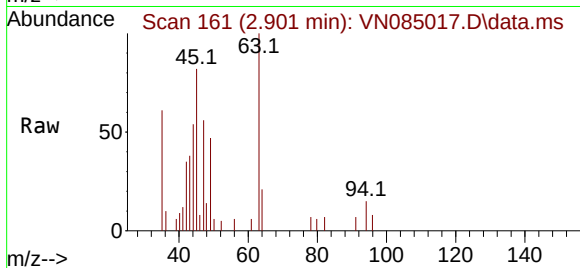




#5
Bromomethane
Concen: 0.451 ug/l
RT: 2.901 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

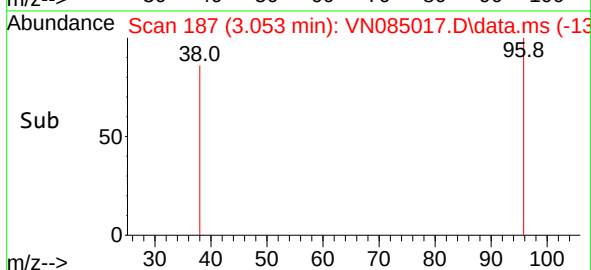
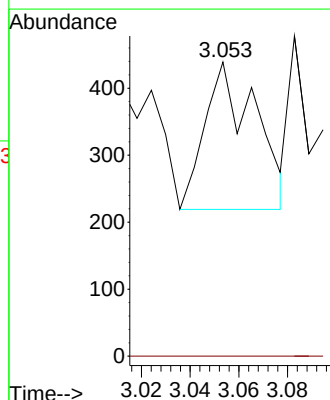
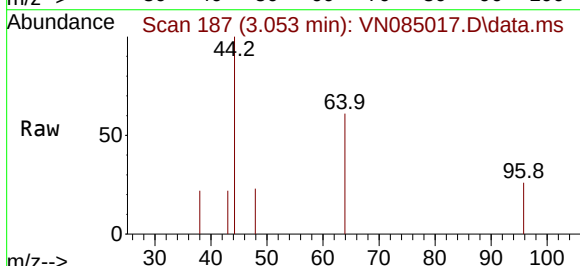
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

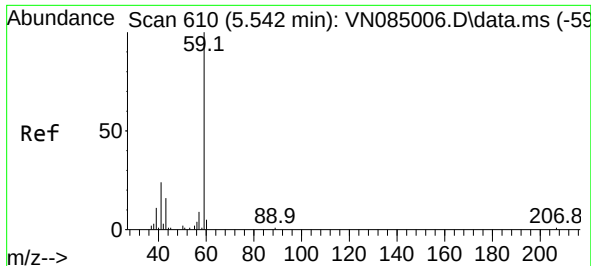
Tgt Ion: 94 Resp: 511
Ion Ratio Lower Upper
94 100
96 54.1 78.7 118.1#



#6
Chloroethane
Concen: 0.232 ug/l
RT: 3.053 min Scan# 187
Delta R.T. -0.012 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

Tgt Ion: 64 Resp: 316
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#

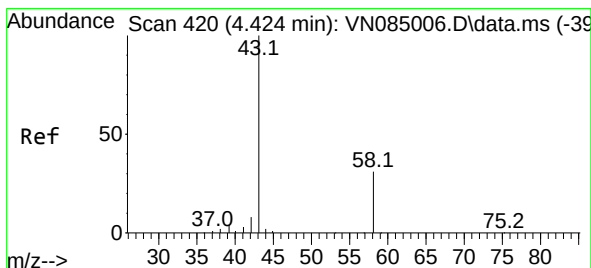
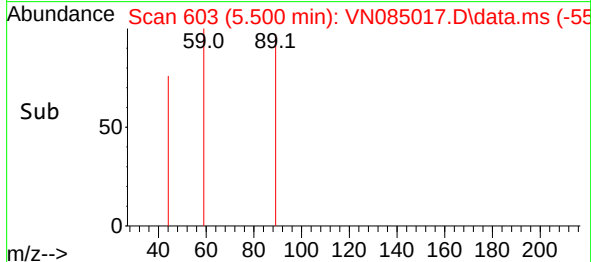
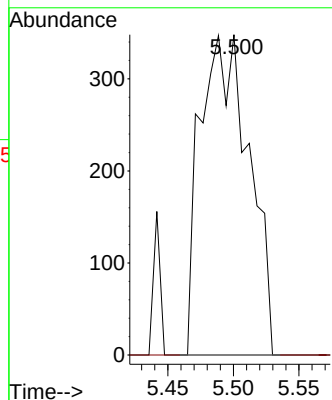
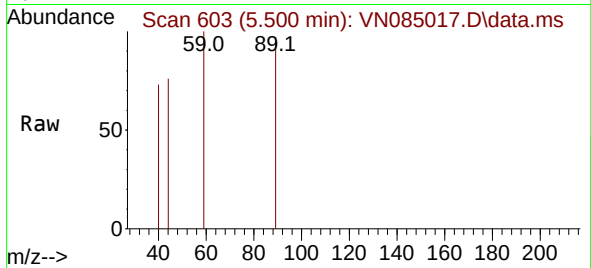




#11
Tert butyl alcohol
Concen: 2.762 ug/l
RT: 5.500 min Scan# 610
Delta R.T. -0.041 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

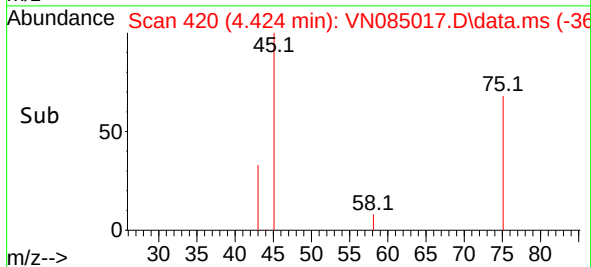
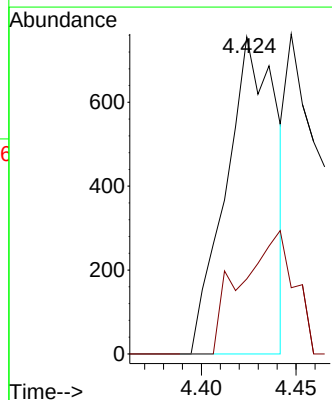
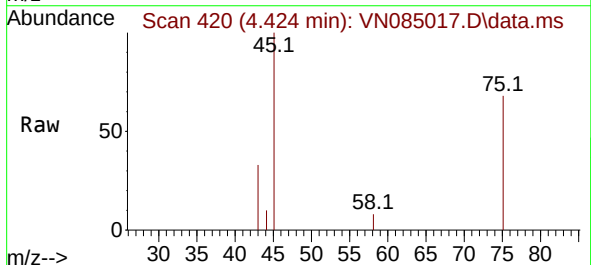
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

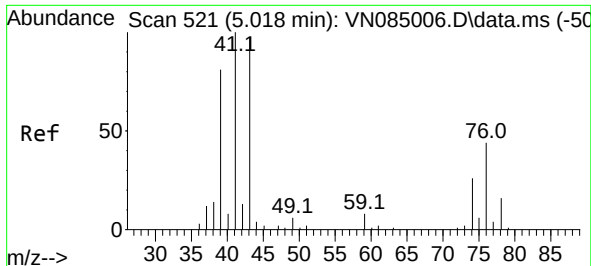
Tgt Ion: 59 Resp: 901
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



#16
Acetone
Concen: 1.953 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

Tgt Ion: 43 Resp: 1388
Ion Ratio Lower Upper
43 100
58 23.7 25.4 38.2#

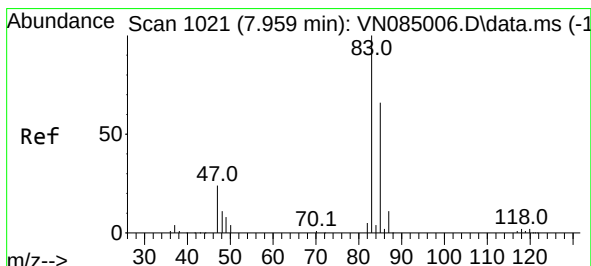
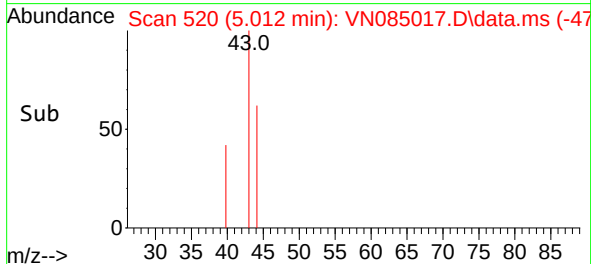
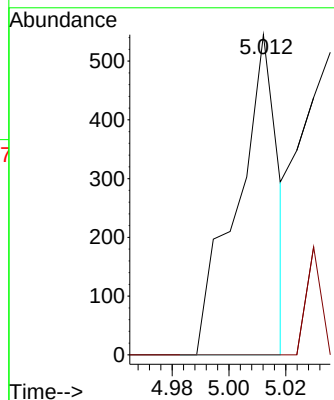
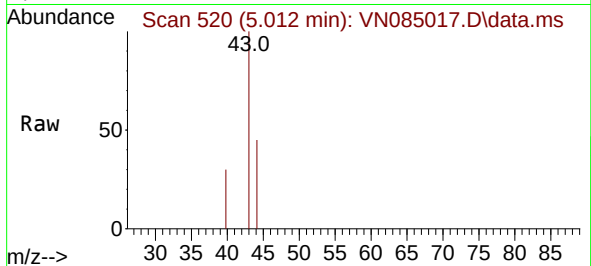




#18
Methyl Acetate
Concen: Below Cal
RT: 5.012 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

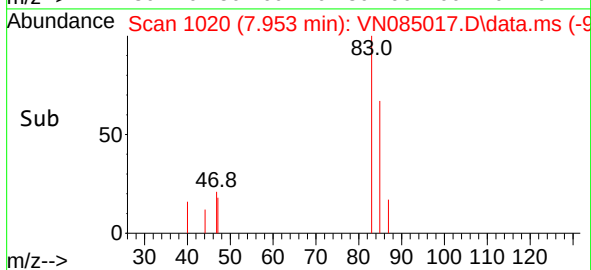
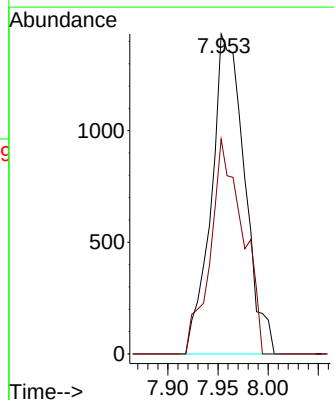
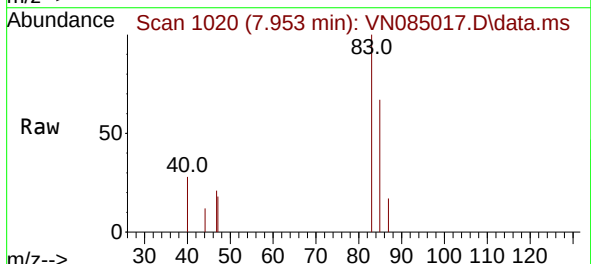
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

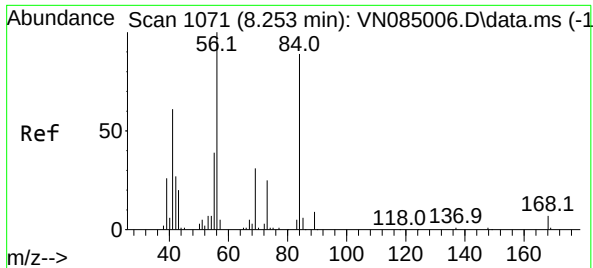
Tgt Ion: 43 Resp: 547
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#30
Chloroform
Concen: 0.839 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. -0.006 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

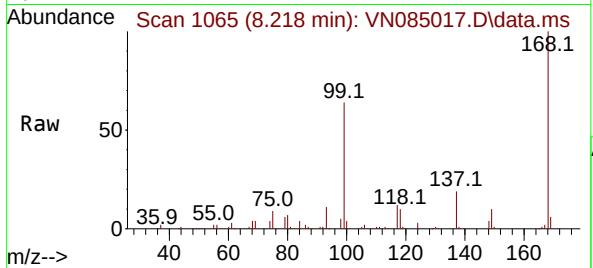
Tgt Ion: 83 Resp: 3297
Ion Ratio Lower Upper
83 100
85 67.1 52.6 78.8



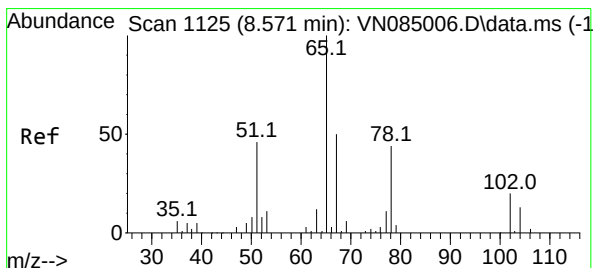
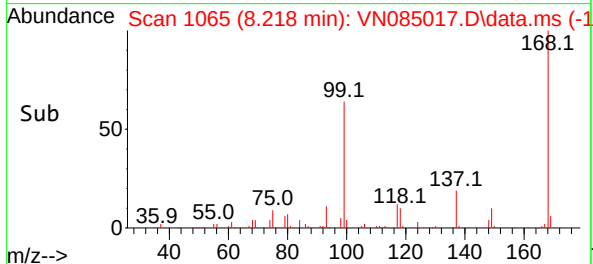
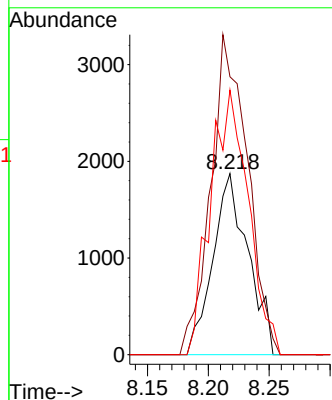


#31
Cyclohexane
Concen: 1.157 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

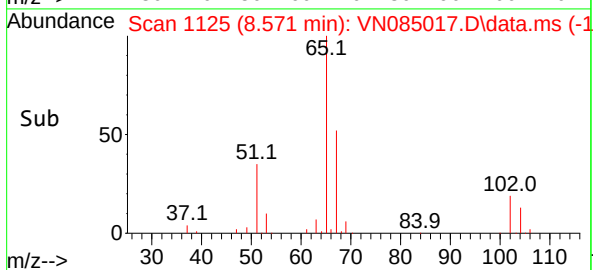
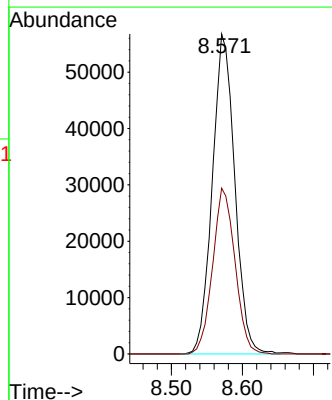
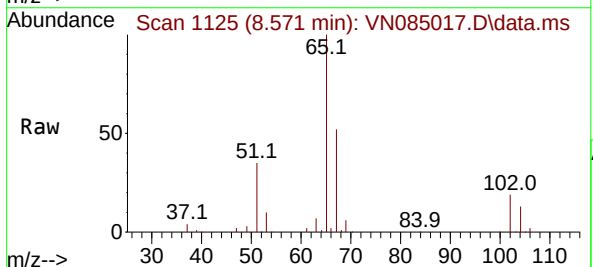


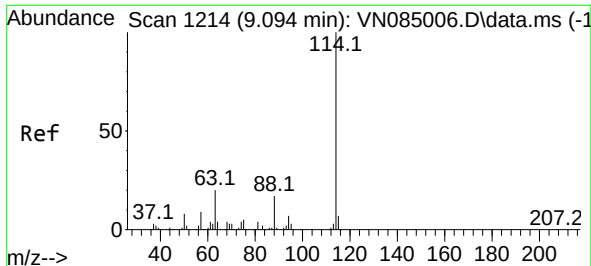
Tgt Ion: 56 Resp: 3763
Ion Ratio Lower Upper
56 100
69 153.4 24.6 36.8#
84 146.1 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 51.035 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.000 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

Tgt Ion: 65 Resp: 124562
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN085017.D

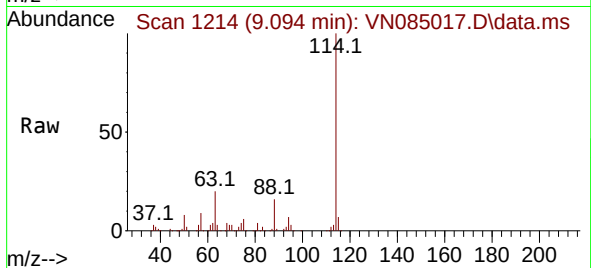
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Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-11R-20241112



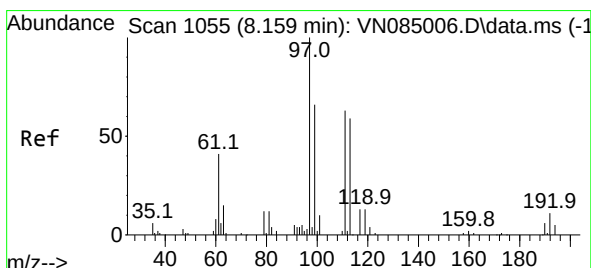
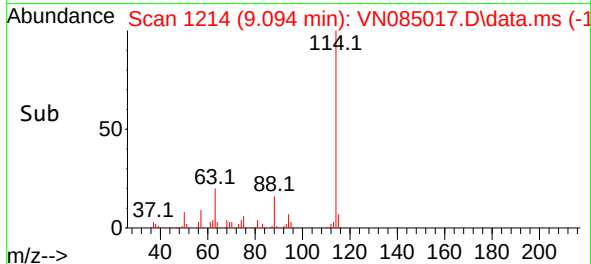
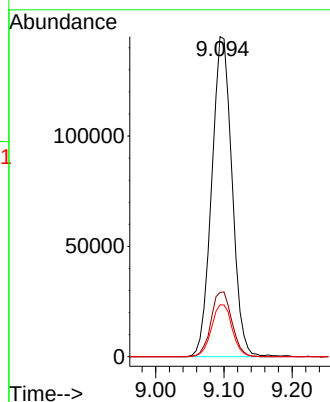
Tgt Ion:114 Resp: 300993

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.0

88 16.2 0.0 34.8



#35

Dibromofluoromethane

Concen: 49.138 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085017.D

Acq: 22 Nov 2024 19:41

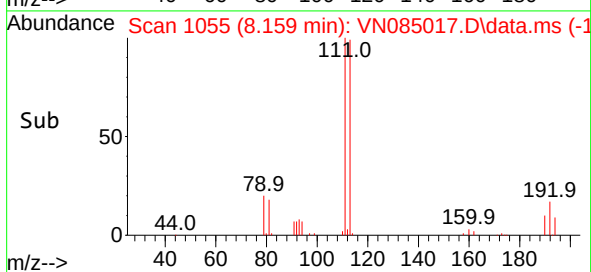
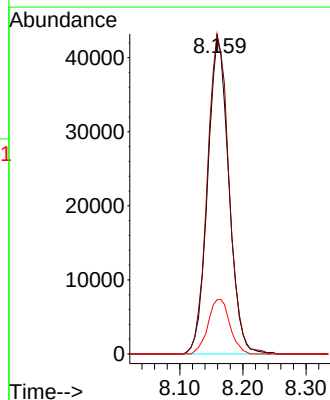
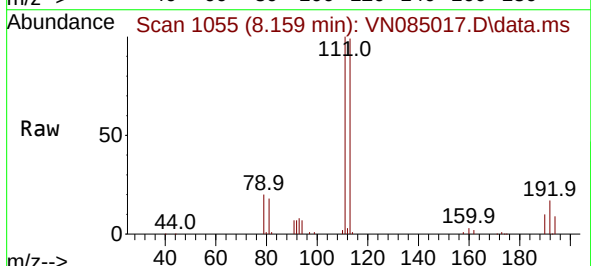
Tgt Ion:113 Resp: 99740

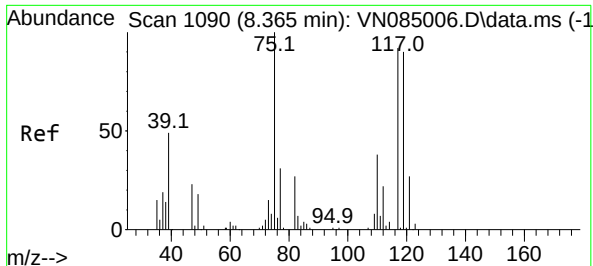
Ion Ratio Lower Upper

113 100

111 103.3 82.0 123.0

192 17.7 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.267 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085017.D

Acq: 22 Nov 2024 19:41

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-11R-20241112

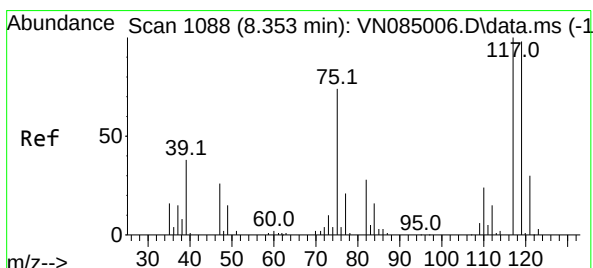
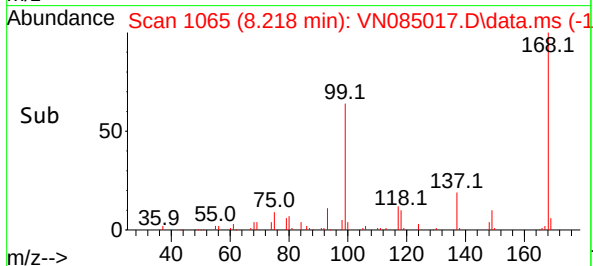
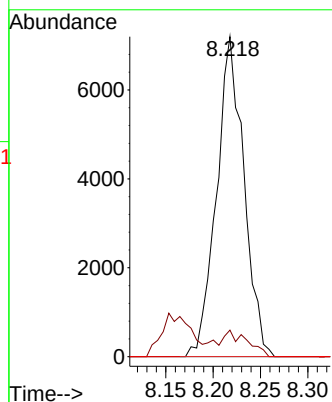
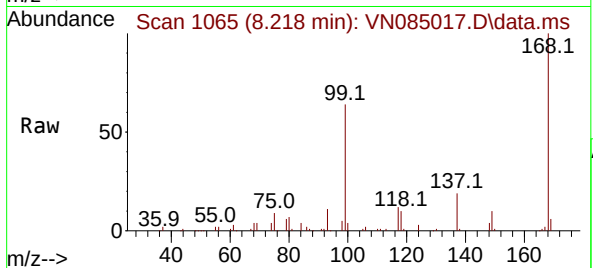
Tgt Ion: 75 Resp: 14481

Ion Ratio Lower Upper

75 100

110 7.0 17.2 51.6#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 4.281 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. 0.012 min

Lab File: VN085017.D

Acq: 22 Nov 2024 19:41

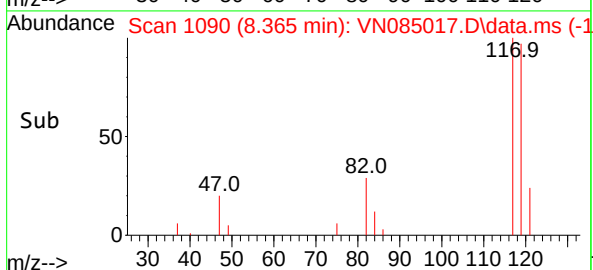
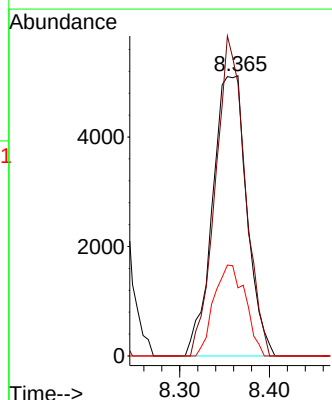
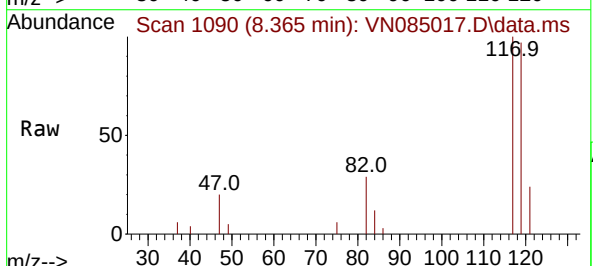
Tgt Ion: 117 Resp: 13585

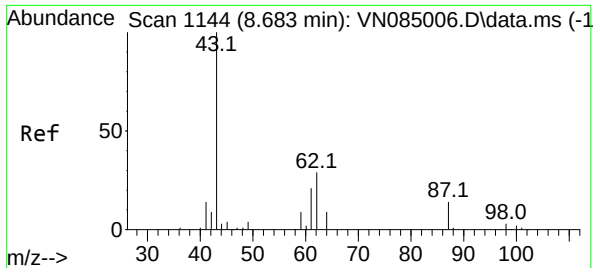
Ion Ratio Lower Upper

117 100

119 97.4 78.6 117.8

121 24.4 24.2 36.2

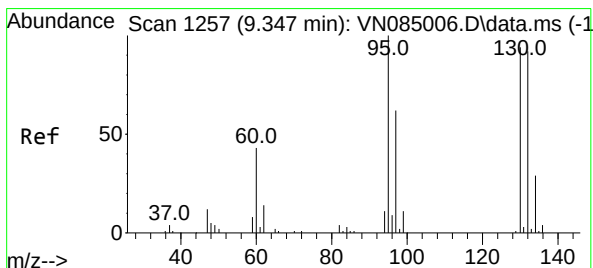
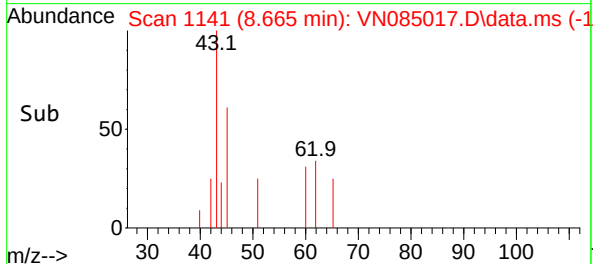
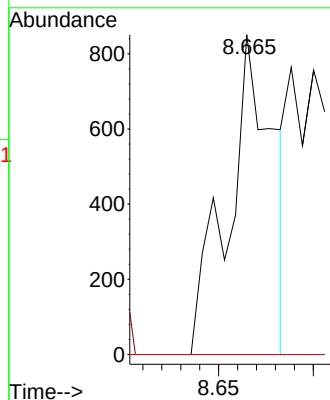
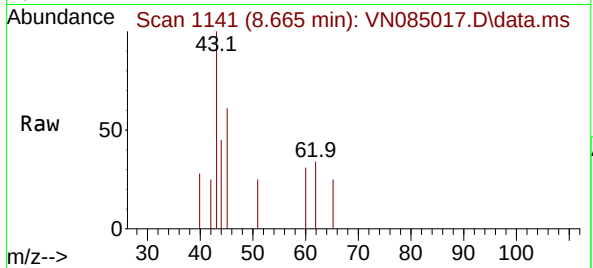




#43
Isopropyl Acetate
Concen: 0.269 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.018 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

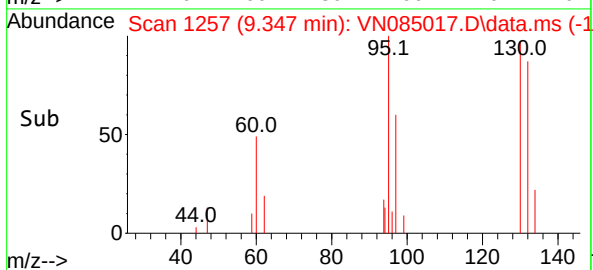
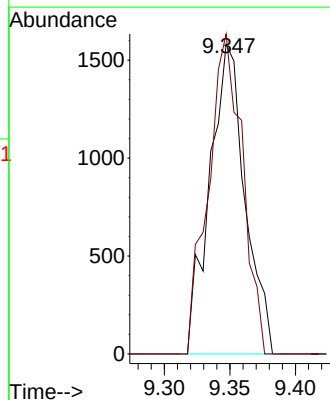
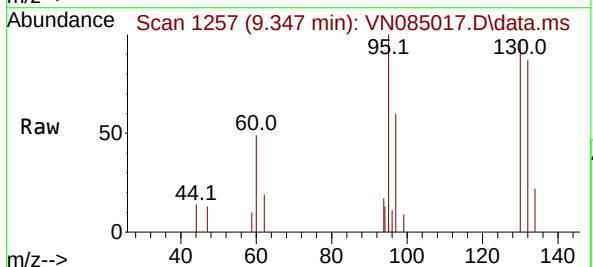
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

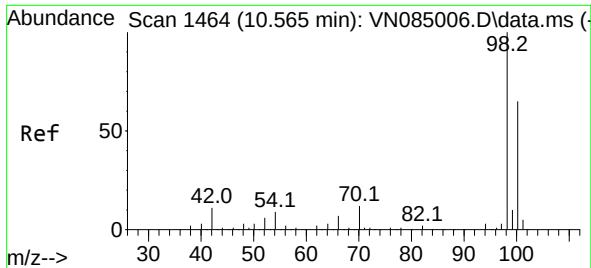
Tgt Ion: 43 Resp: 1396
Ion Ratio Lower Upper
43 100
61 0.0 20.6 30.8#
87 0.0 11.0 16.4#



#44
Trichloroethene
Concen: 1.474 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

Tgt Ion: 130 Resp: 2979
Ion Ratio Lower Upper
130 100
95 103.3 0.0 213.4

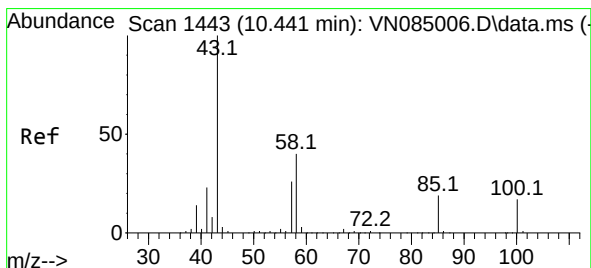
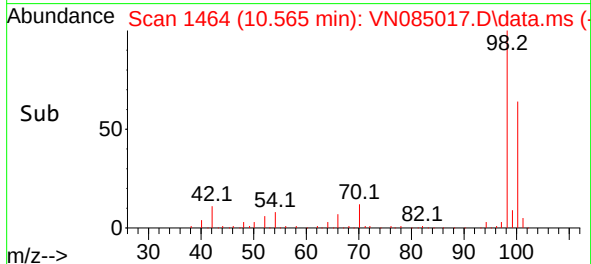
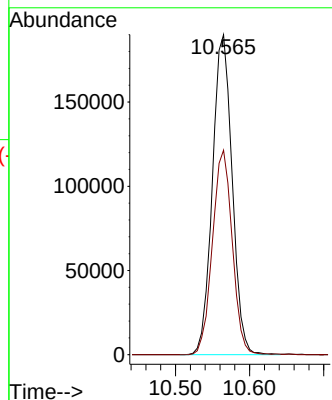
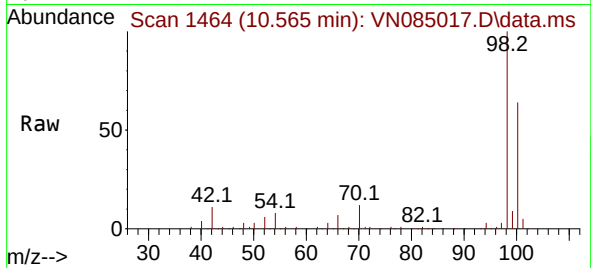




#50
Toluene-d8
Concen: 48.308 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

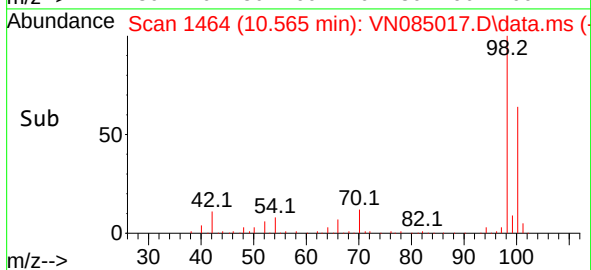
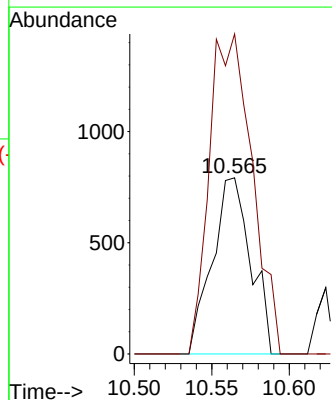
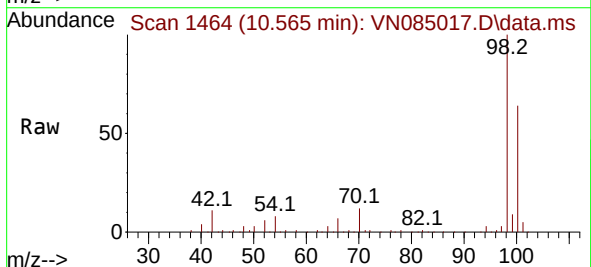
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

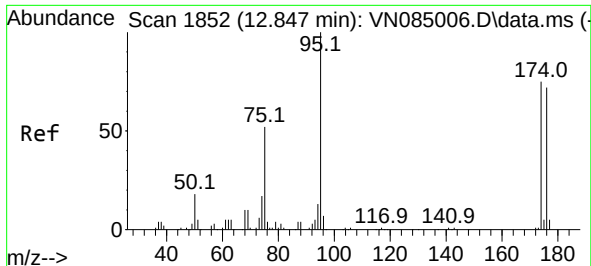
Tgt Ion: 98 Resp: 351405
Ion Ratio Lower Upper
98 100
100 64.2 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.576 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.123 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

Tgt Ion: 43 Resp: 1367
Ion Ratio Lower Upper
43 100
58 202.4 32.1 48.1#

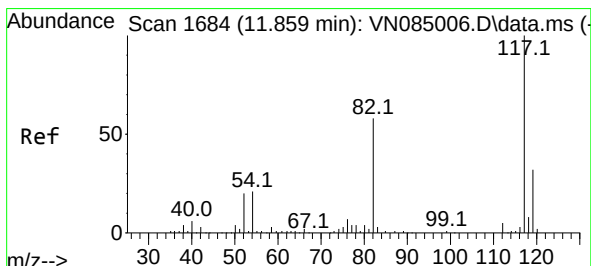
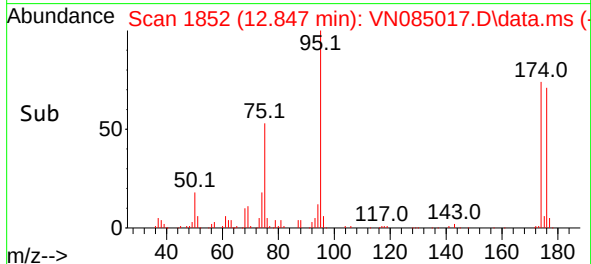
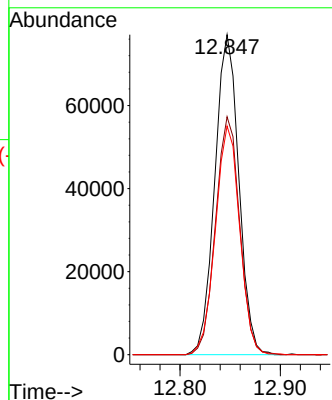
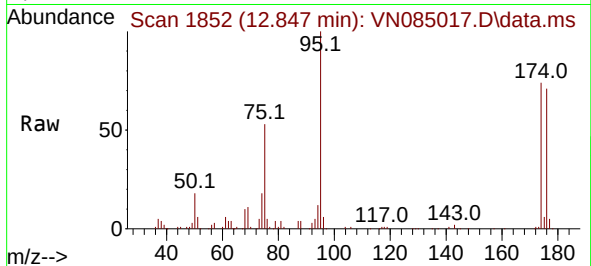




#62
4-Bromofluorobenzene
Concen: 47.033 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

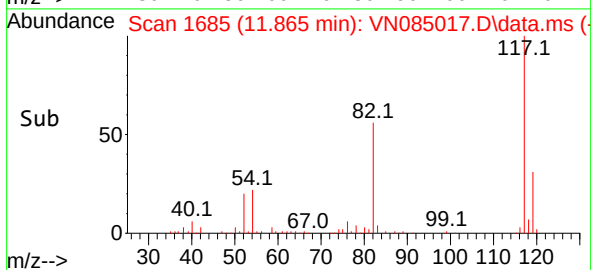
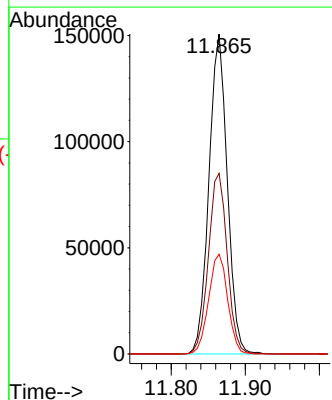
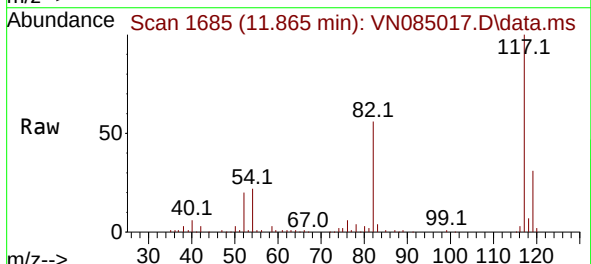
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

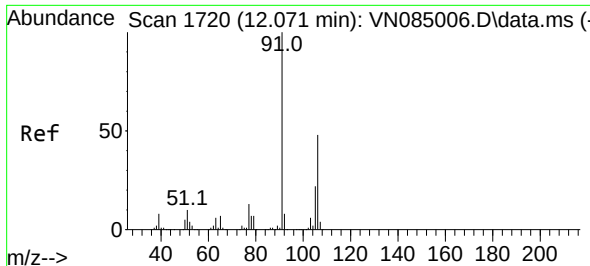
Tgt Ion: 95 Resp: 127947
Ion Ratio Lower Upper
95 100
174 74.7 0.0 146.6
176 72.4 0.0 141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

Tgt Ion: 117 Resp: 258728
Ion Ratio Lower Upper
117 100
82 56.4 46.0 69.0
119 31.2 25.6 38.4

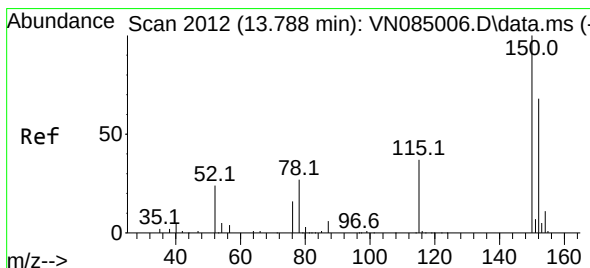
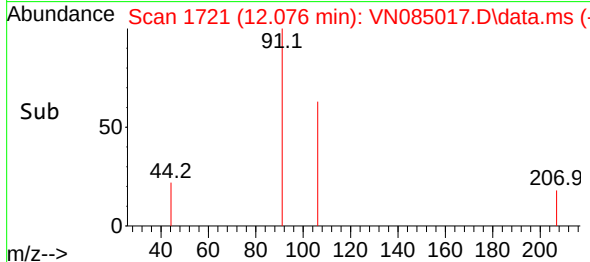
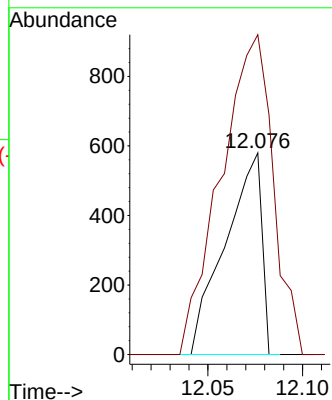
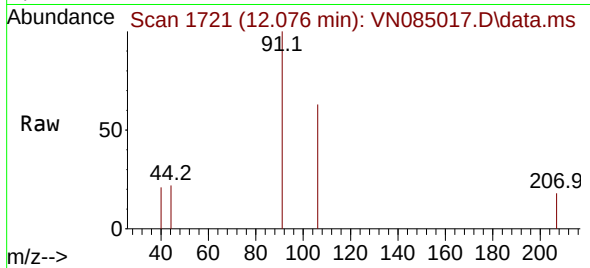




#68
m/p-Xylenes
Concen: 0.215 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

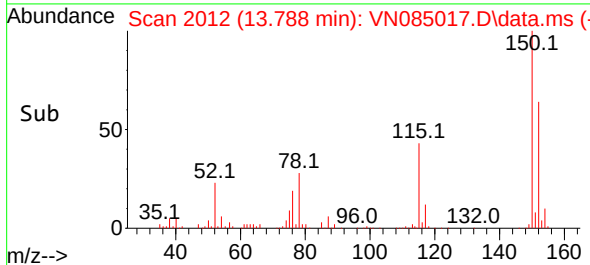
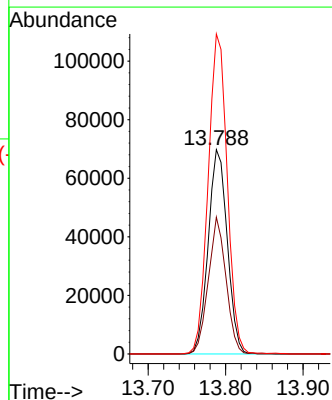
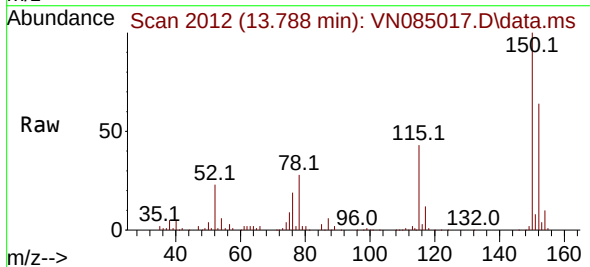
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

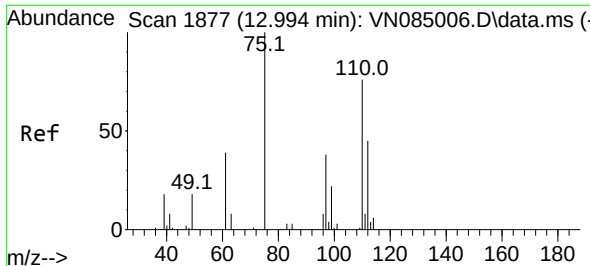
Tgt Ion:106 Resp: 778
Ion Ratio Lower Upper
106 100
91 227.5 168.0 252.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

Tgt Ion:152 Resp: 119305
Ion Ratio Lower Upper
152 100
115 62.2 31.7 95.1
150 156.4 0.0 351.4

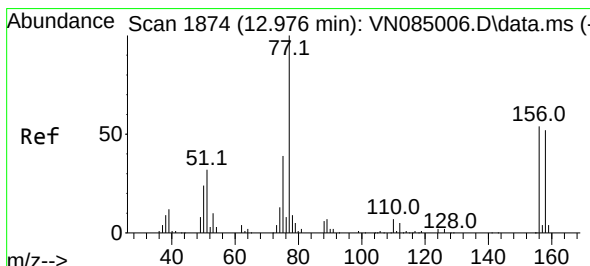
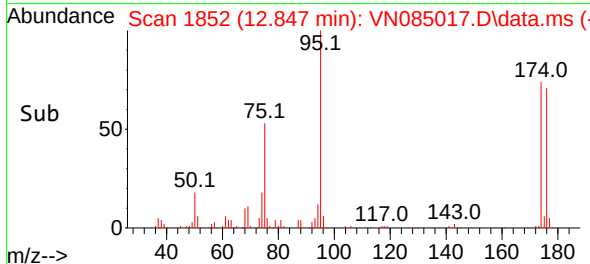
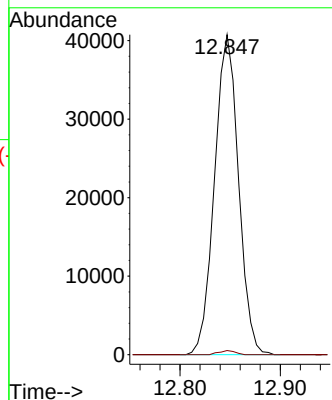
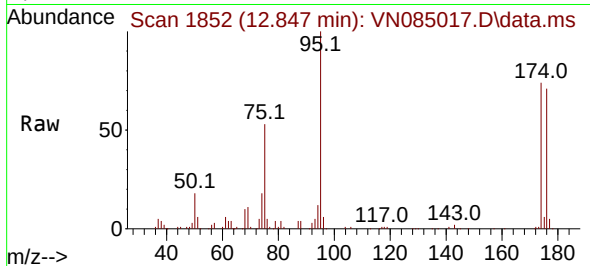




#76
1,2,3-Trichloropropane
Concen: 31.193 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

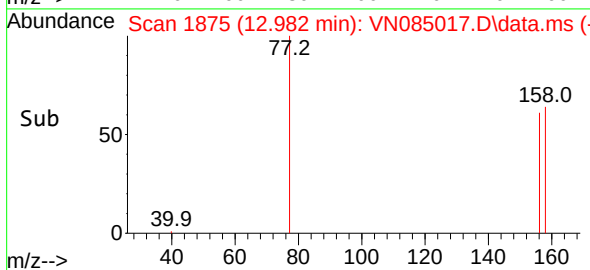
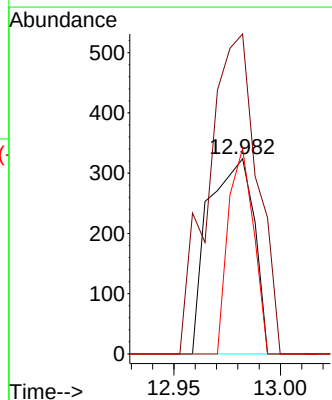
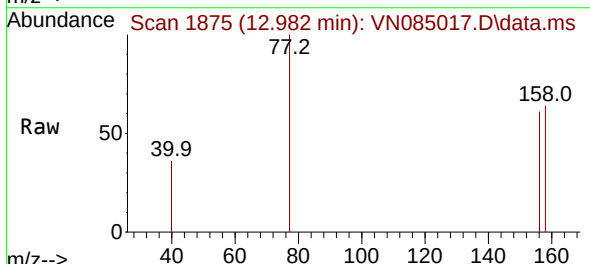
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

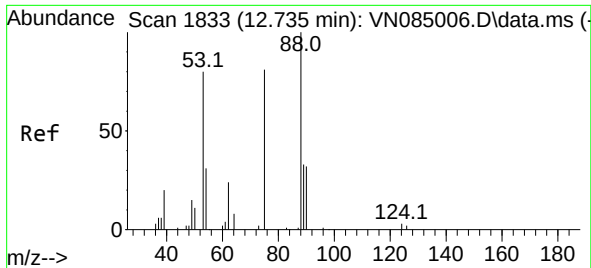
Tgt Ion: 75 Resp: 67691
Ion Ratio Lower Upper
75 100
77 0.9 109.1 327.4#



#77
Bromobenzene
Concen: 0.212 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.006 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

Tgt Ion:156 Resp: 481
Ion Ratio Lower Upper
156 100
77 177.3 107.2 321.6
158 58.4 48.5 145.6

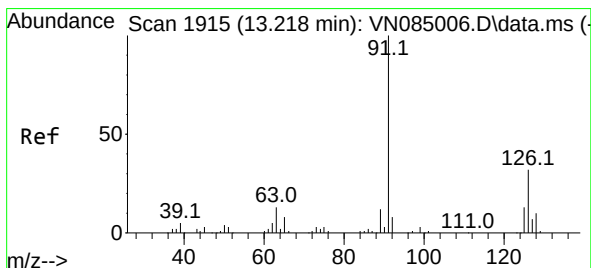
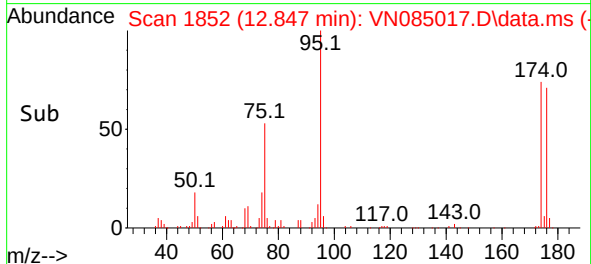
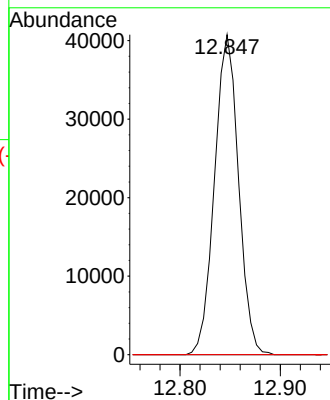
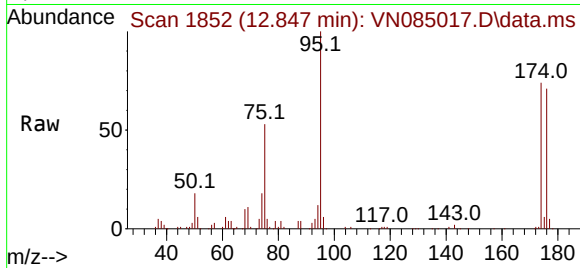




#81
trans-1,4-Dichloro-2-butene
Concen: 68.861 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

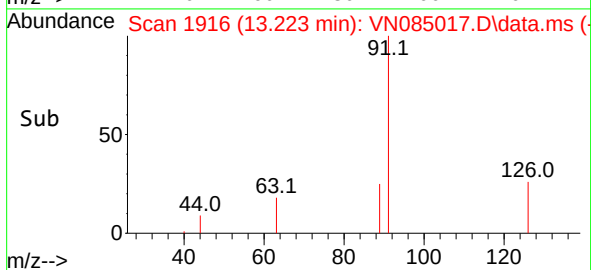
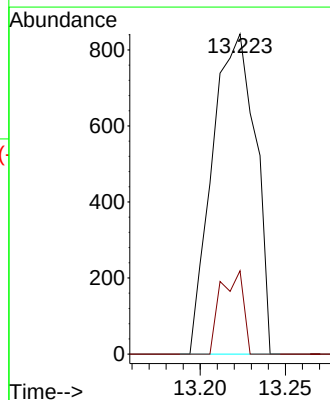
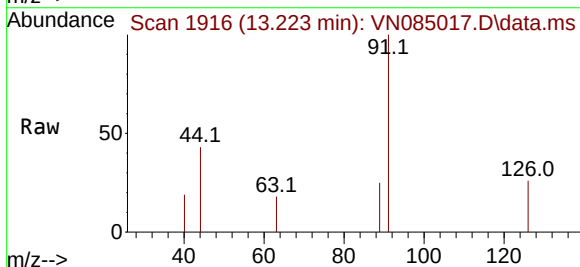
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

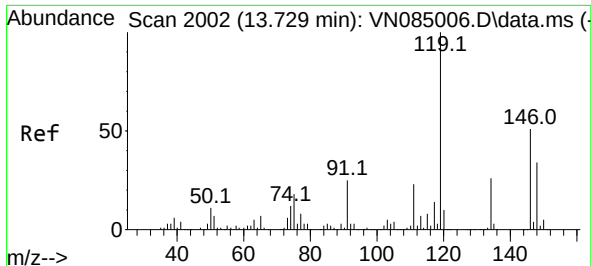
Tgt Ion: 75 Resp: 67691
Ion Ratio Lower Upper
75 100
53 0.0 78.2 117.4#
89 0.0 37.9 56.9#



#82
4-Chlorotoluene
Concen: 0.220 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

Tgt Ion: 91 Resp: 1483
Ion Ratio Lower Upper
91 100
126 13.7 16.1 48.3#

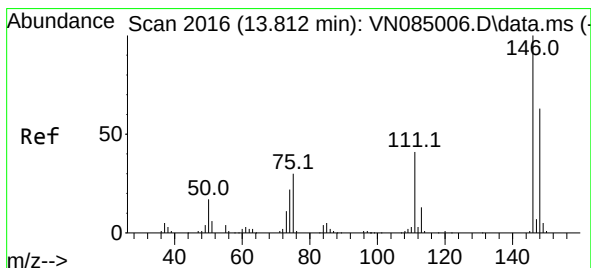
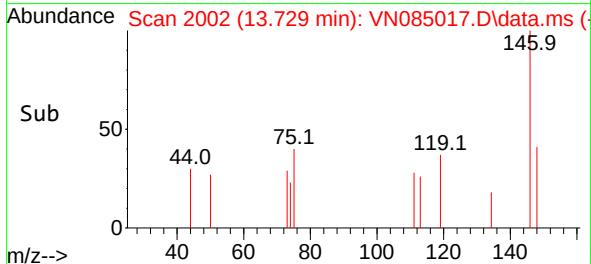
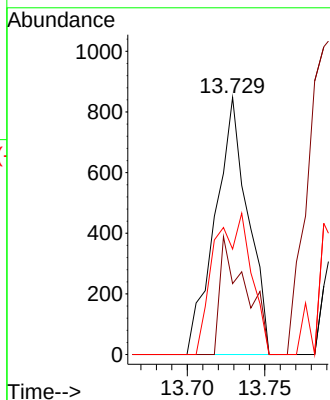
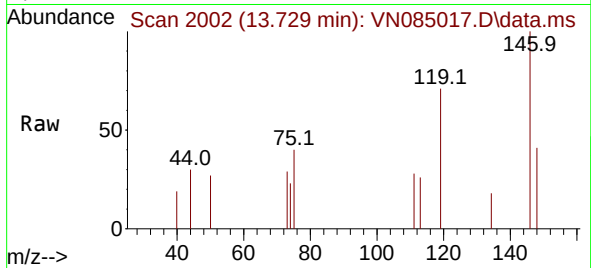




#87
1,3-Dichlorobenzene
Concen: 0.280 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

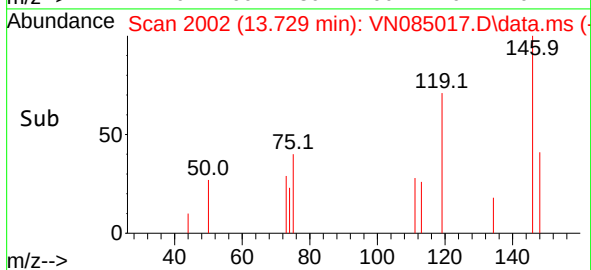
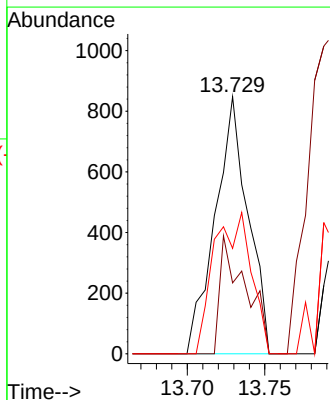
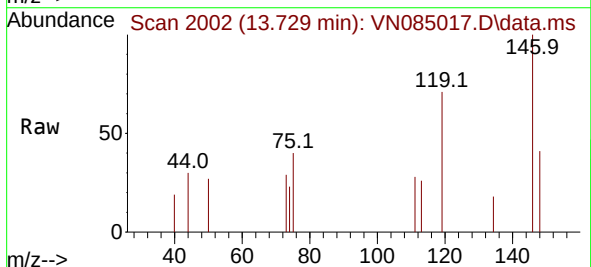
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

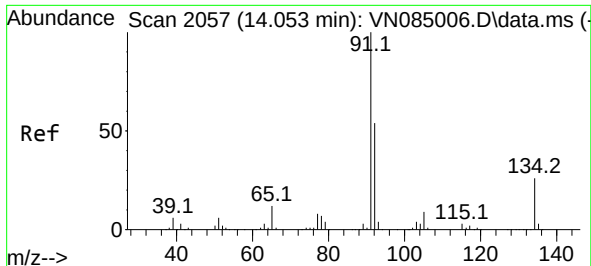
Tgt Ion:146 Resp: 1251
Ion Ratio Lower Upper
146 100
111 35.5 21.6 65.0
148 62.3 32.2 96.6



#88
1,4-Dichlorobenzene
Concen: 0.274 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.082 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

Tgt Ion:146 Resp: 1251
Ion Ratio Lower Upper
146 100
111 35.5 20.9 62.8
148 62.3 31.3 93.9

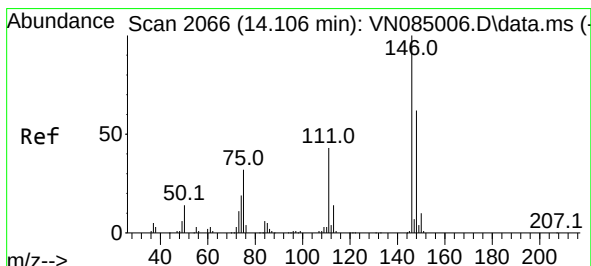
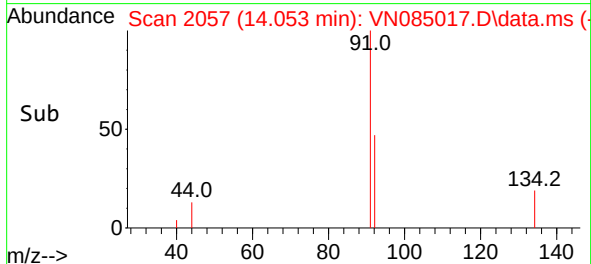
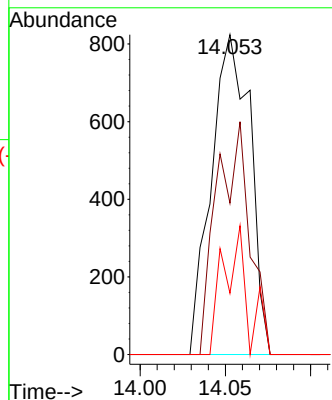
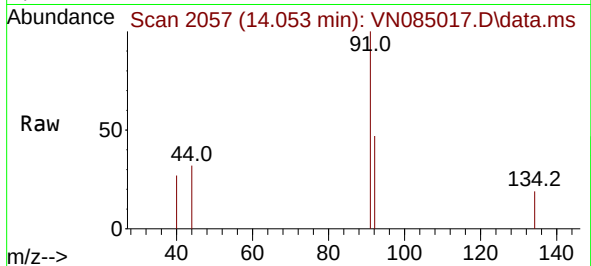




#89
n-Butylbenzene
Concen: 0.207 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

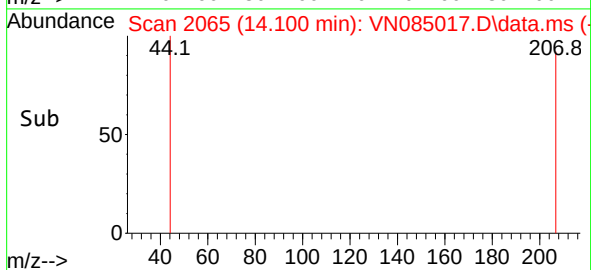
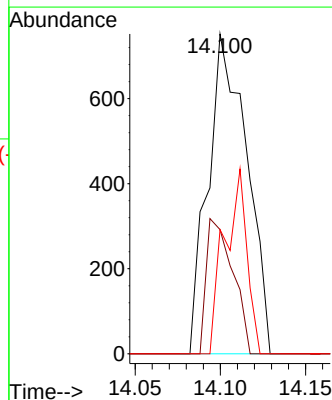
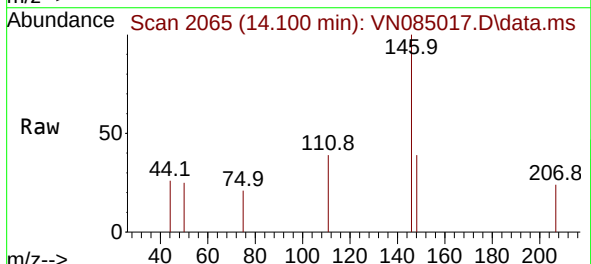
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

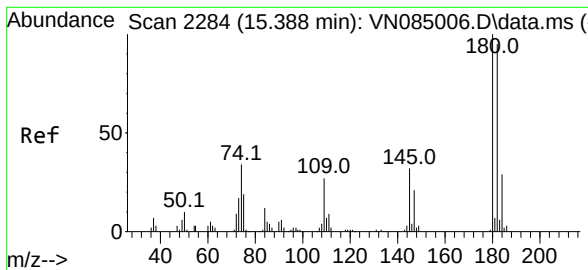
Tgt Ion:	91	Resp:	1306
Ion	Ratio	Lower	Upper
91	100		
92	61.7	26.8	80.3
134	25.3	12.8	38.4



#91
1,2-Dichlorobenzene
Concen: 0.278 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

Tgt Ion:	146	Resp:	1191
Ion	Ratio	Lower	Upper
146	100		
111	28.7	21.9	65.8
148	33.3	31.1	93.2

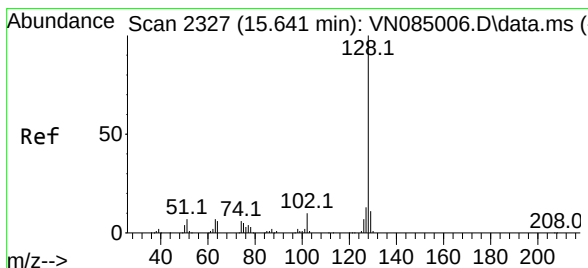
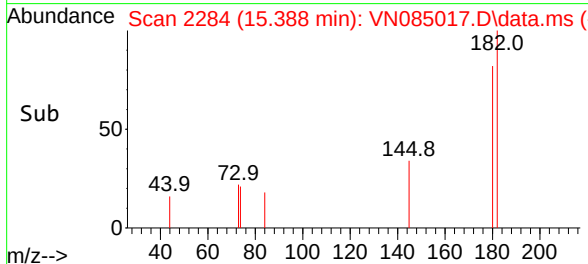
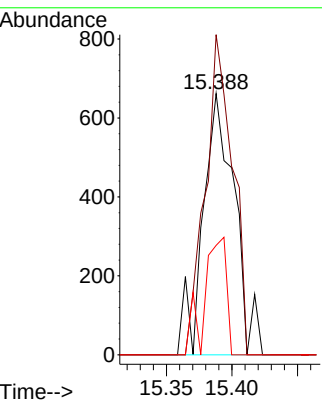
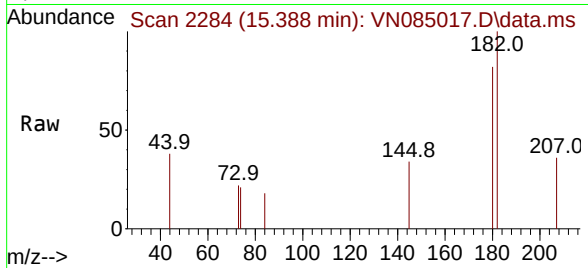




#93
1,2,4-Trichlorobenzene
Concen: 0.476 ug/l
RT: 15.388 min Scan# 211
Delta R.T. -0.000 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

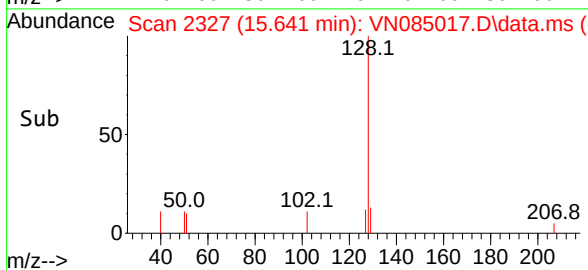
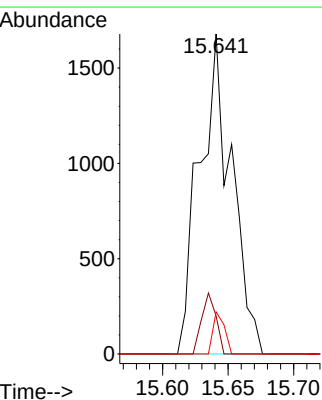
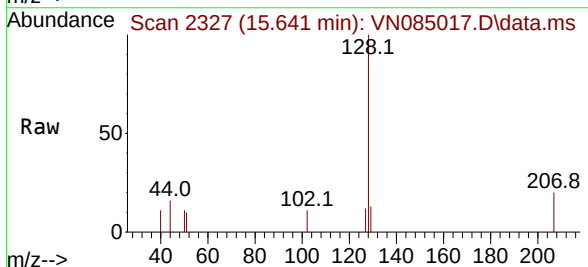
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-11R-20241112

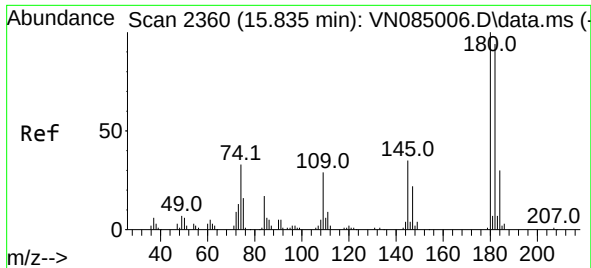
Tgt Ion:180	Resp:	1106
Ion	Ratio	Lower Upper
180	100	
182	106.2	46.9 140.8
145	31.5	16.3 48.8



#95
Naphthalene
Concen: 0.431 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN085017.D
Acq: 22 Nov 2024 19:41

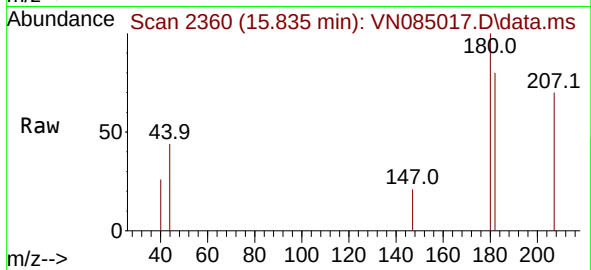
Tgt Ion:128	Resp:	2856
Ion	Ratio	Lower Upper
128	100	
127	8.5	10.6 16.0#
129	4.6	8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.587 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN085017.D
 Acq: 22 Nov 2024 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-11R-20241112



Tgt Ion:180 Resp: 1302
 Ion Ratio Lower Upper
 180 100
 182 83.9 46.4 139.2
 145 16.1 17.3 52.0#

