

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
 Data File : VN084942.D
 Acq On : 19 Nov 2024 13:17
 Operator : JC\MD
 Sample : P4845-01DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-27-20241112DL

Quant Time: Nov 20 00:27:26 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)

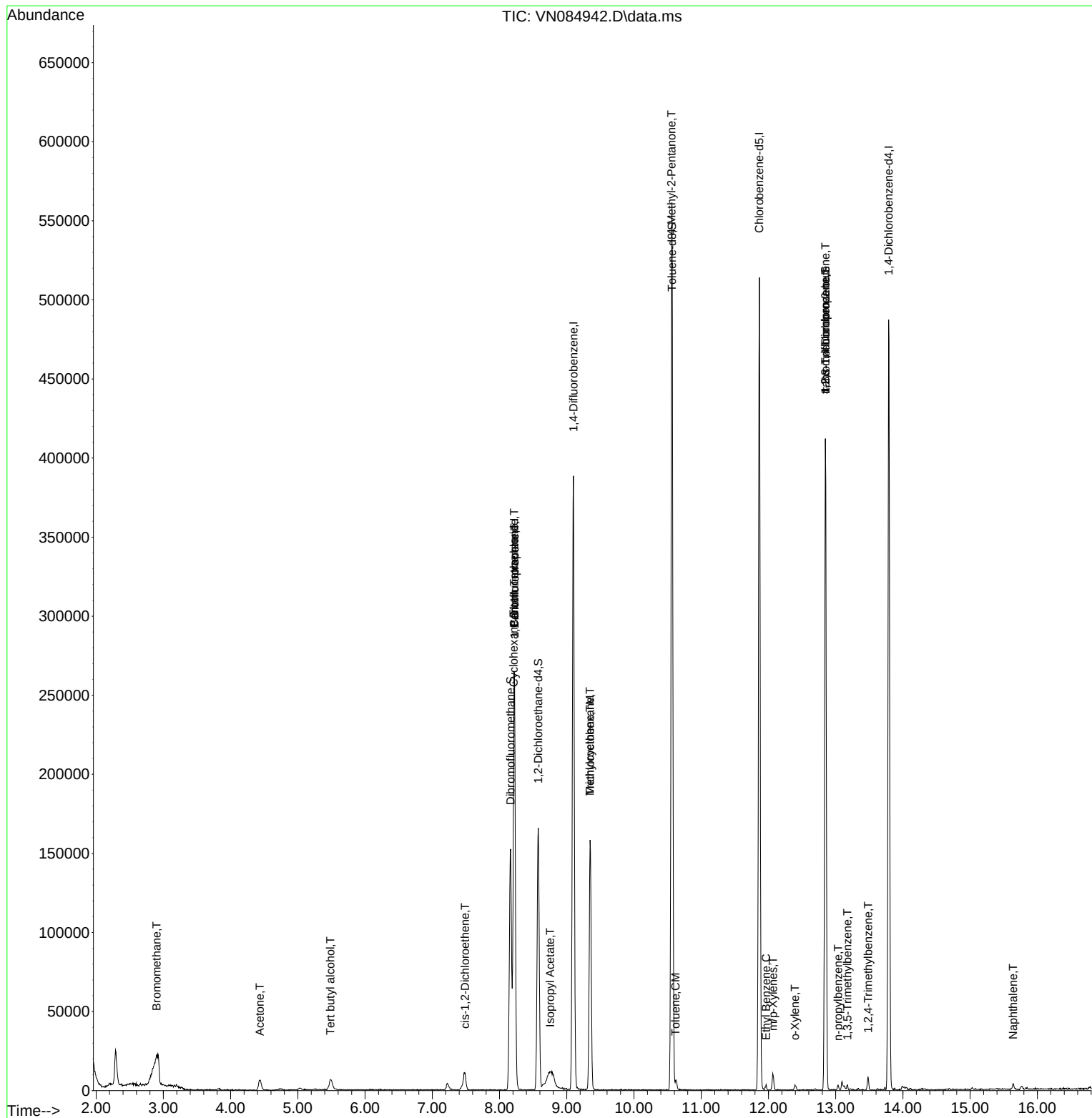
Internal Standards						
1) Pentafluorobenzene	8.218	168	185577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	330960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	292031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131420	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	138266	51.585	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.160%	
35) Dibromofluoromethane	8.165	113	109812	49.019	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.040%	
50) Toluene-d8	10.565	98	387109	46.910	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 93.820%	
62) 4-Bromofluorobenzene	12.847	95	149295	48.408	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 96.820%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	847	Below Cal	#	41
5) Bromomethane	2.901	94	304	0.250	ug/l	98
6) Chloroethane	3.083	64	505	Below Cal	#	45
11) Tert butyl alcohol	5.483	59	6281	17.753	ug/l	# 73
16) Acetone	4.436	43	12463	13.397	ug/l	# 85
18) Methyl Acetate	5.018	43	2185	Below Cal	#	69
27) cis-1,2-Dichloroethene	7.488	96	7197	2.840	ug/l	89
31) Cyclohexane	8.212	56	4276	1.156	ug/l	# 18
36) 1,1-Dichloropropene	8.224	75	16010	5.153	ug/l	# 51
38) Carbon Tetrachloride	8.218	117	20502	5.904	ug/l	# 15
39) Methylcyclohexane	9.347	83	772	0.244	ug/l	# 1
43) Isopropyl Acetate	8.753	43	17845	2.510	ug/l	# 56
44) Trichloroethene	9.347	130	57433	24.959	ug/l	97
51) 4-Methyl-2-Pentanone	10.559	43	1772	0.659	ug/l	# 1
52) Toluene	10.618	92	2578	0.442	ug/l	81
67) Ethyl Benzene	11.965	91	2932	0.269	ug/l	# 87
68) m/p-Xylenes	12.071	106	3456	0.837	ug/l	96
69) o-Xylene	12.394	106	880	0.228	ug/l	86
76) 1,2,3-Trichloropropane	12.847	75	76649	29.177	ug/l	# 1
78) n-propylbenzene	13.035	91	2872	0.266	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	1998	0.262	ug/l	86
81) trans-1,4-Dichloro-2-b...	12.847	75	76649	69.220	ug/l	# 11
84) 1,2,4-Trimethylbenzene	13.482	105	4908	0.623	ug/l	95
88) 1,4-Dichlorobenzene	13.735	146	471	Below Cal		81
95) Naphthalene	15.641	128	4329	0.569	ug/l	# 93

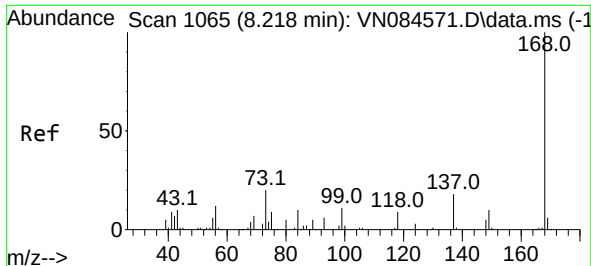
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

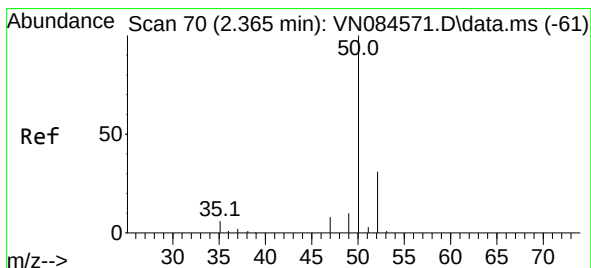
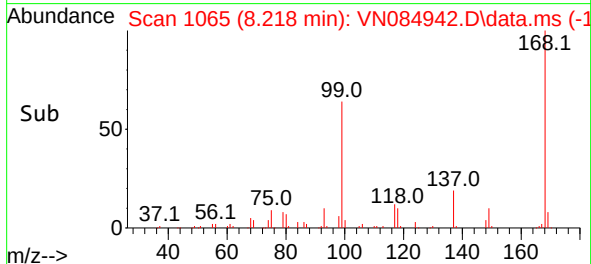
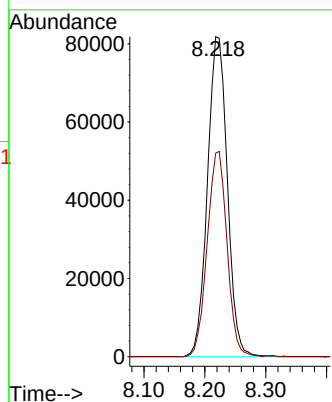
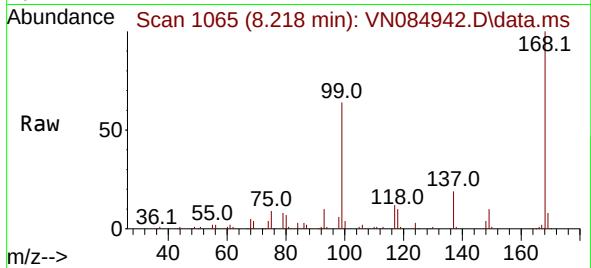




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

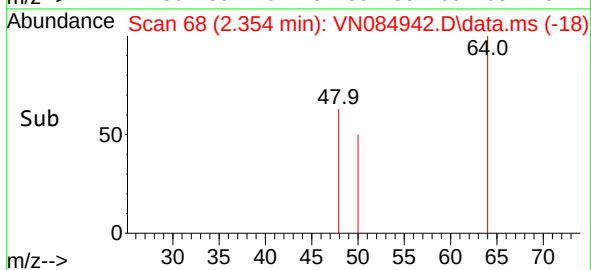
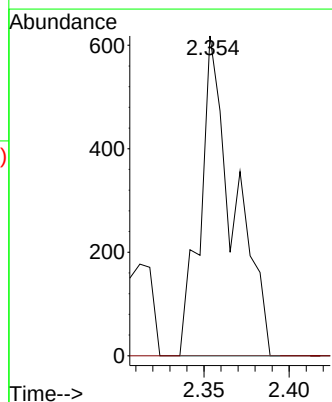
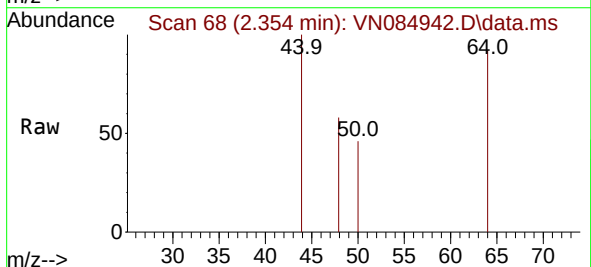
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

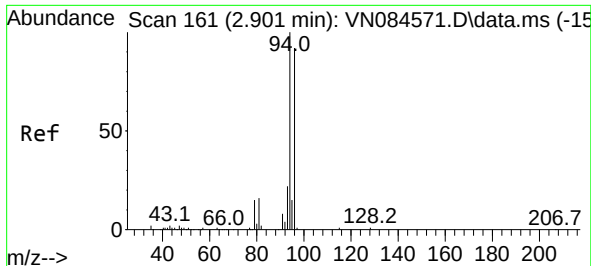
Tgt Ion:168 Resp: 185577
Ion Ratio Lower Upper
168 100
99 63.7 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.354 min Scan# 68
Delta R.T. -0.005 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion: 50 Resp: 847
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

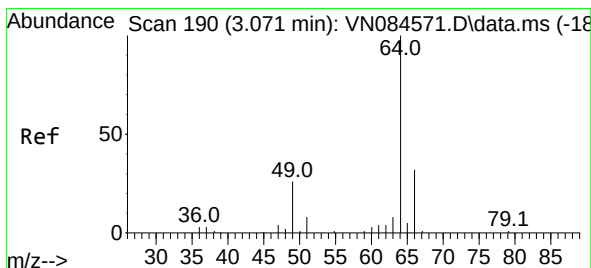
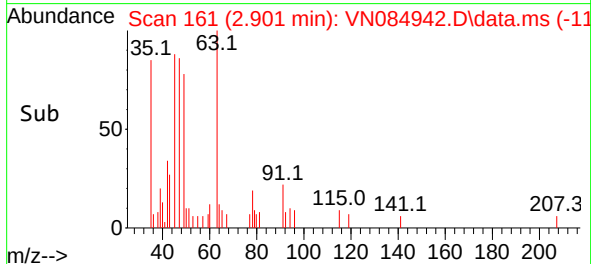
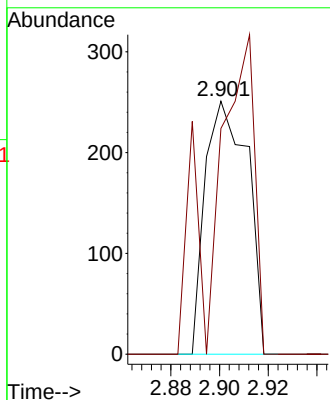
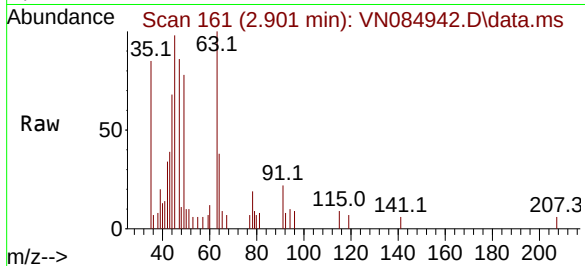




#5
Bromomethane
Concen: 0.250 ug/l
RT: 2.901 min Scan# 11
Delta R.T. -0.052 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

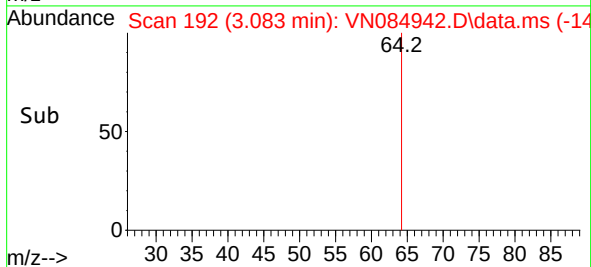
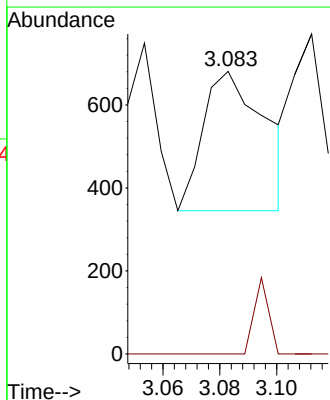
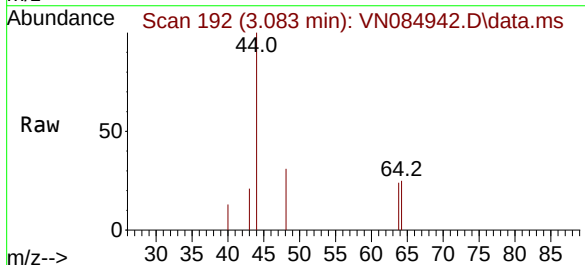
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

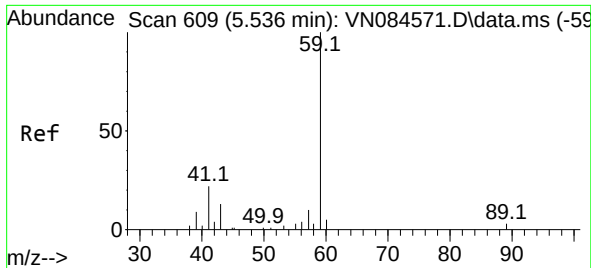
Tgt Ion: 94 Resp: 304
Ion Ratio Lower Upper
94 100
96 89.2 72.9 109.3



#6
Chloroethane
Concen: Below Cal
RT: 3.083 min Scan# 192
Delta R.T. -0.035 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion: 64 Resp: 505
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#

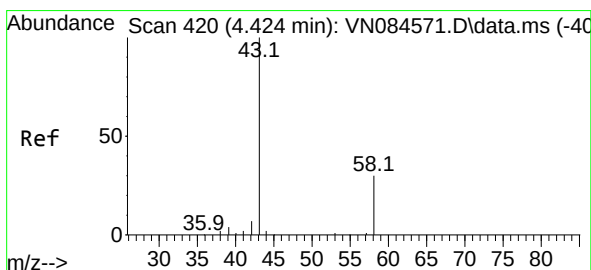
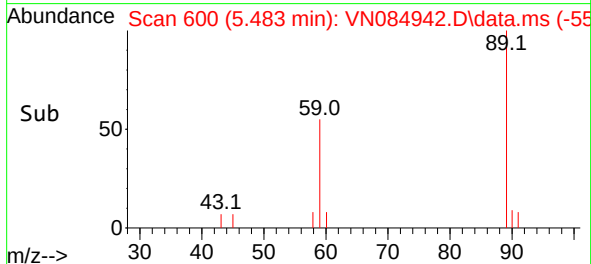
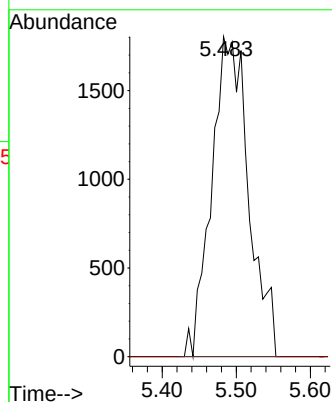
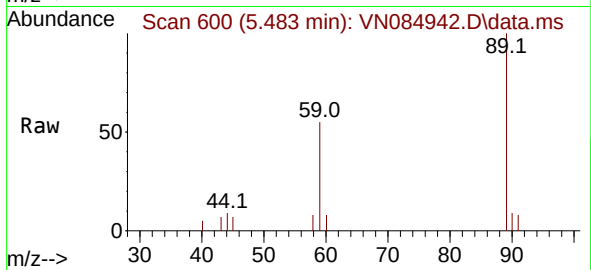




#11
Tert butyl alcohol
Concen: 17.753 ug/l
RT: 5.483 min Scan# 609
Delta R.T. -0.041 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

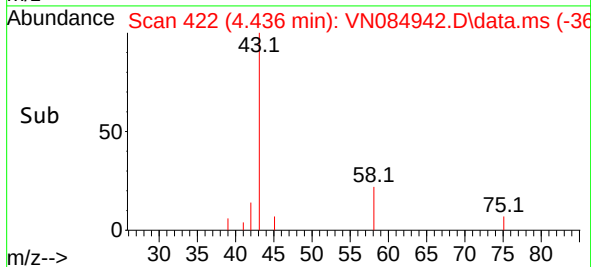
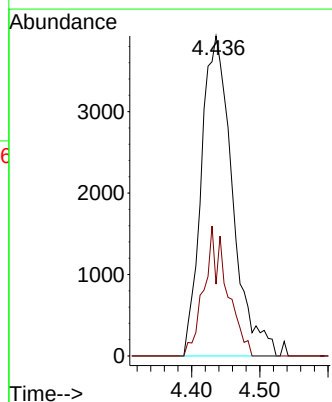
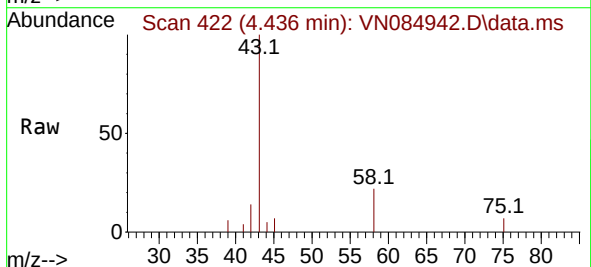
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

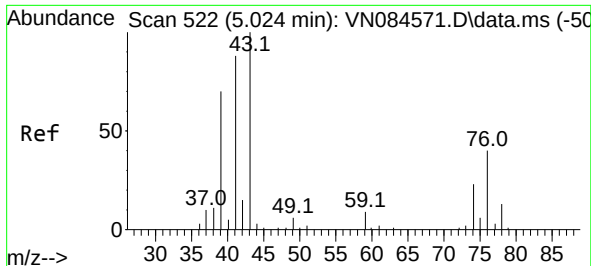
Tgt Ion: 59 Resp: 6281
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 13.397 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion: 43 Resp: 12463
Ion Ratio Lower Upper
43 100
58 22.4 24.4 36.6#

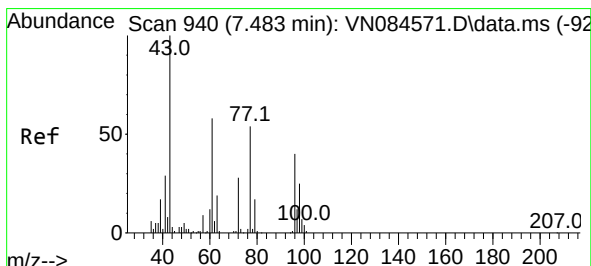
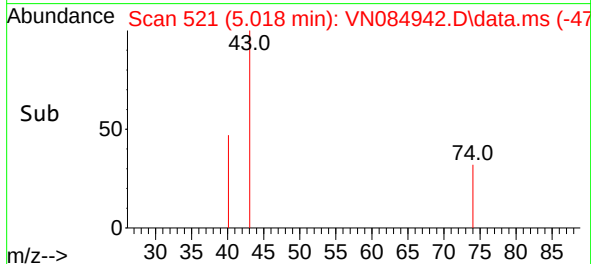
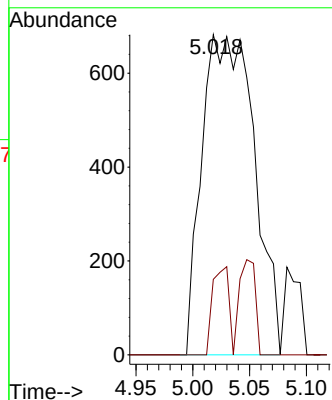
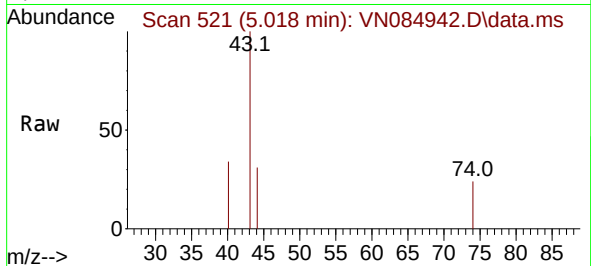




#18
Methyl Acetate
Concen: Below Cal
RT: 5.018 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

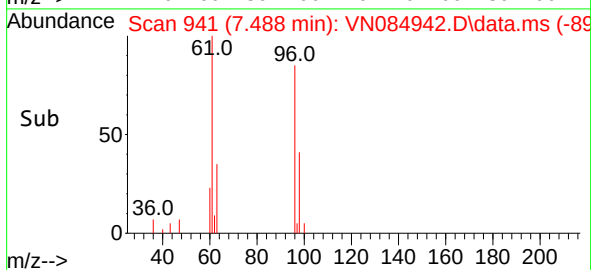
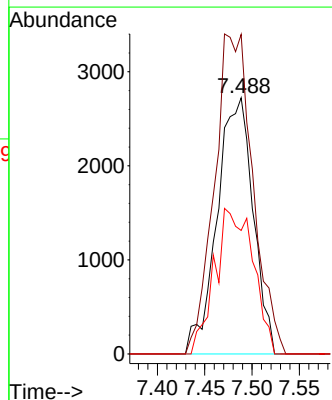
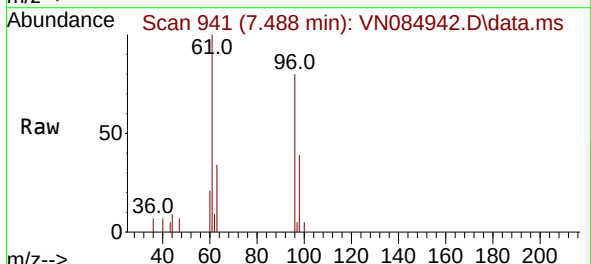
Instrument :
MSVOA_N
ClientSampleId :
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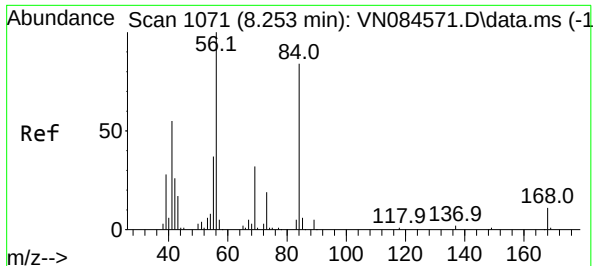
Tgt Ion: 43 Resp: 2185
Ion Ratio Lower Upper
43 100
74 8.5 19.2 28.8#



#27
cis-1,2-Dichloroethene
Concen: 2.840 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

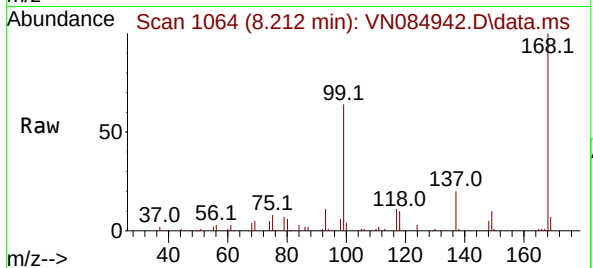
Tgt Ion: 96 Resp: 7197
Ion Ratio Lower Upper
96 100
61 133.7 0.0 301.8
98 60.8 0.0 128.2



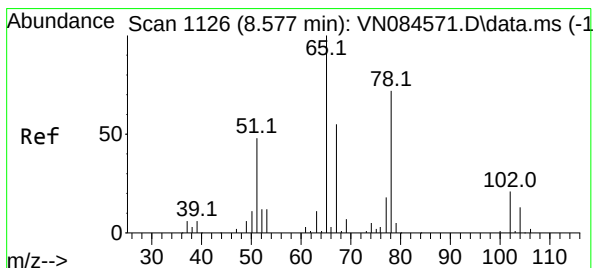
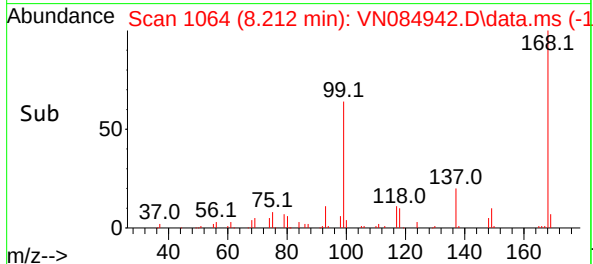
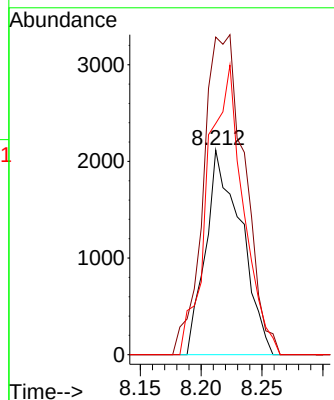


#31
Cyclohexane
Concen: 1.156 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

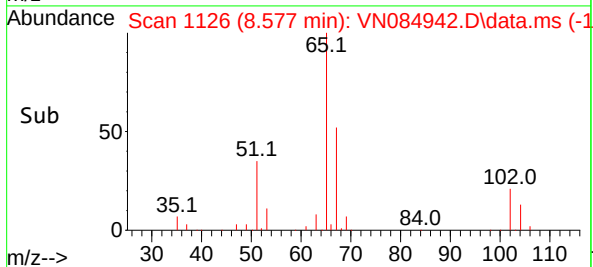
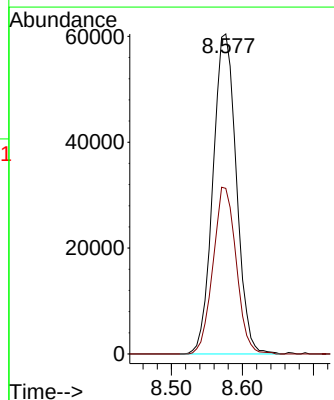
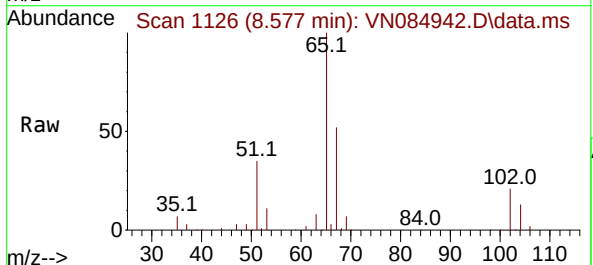


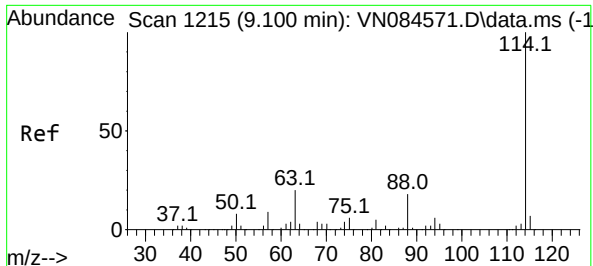
Tgt Ion: 56 Resp: 4276
Ion Ratio Lower Upper
56 100
69 155.2 23.8 35.6#
84 113.0 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 51.585 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion: 65 Resp: 138266
Ion Ratio Lower Upper
65 100
67 51.5 0.0 102.0

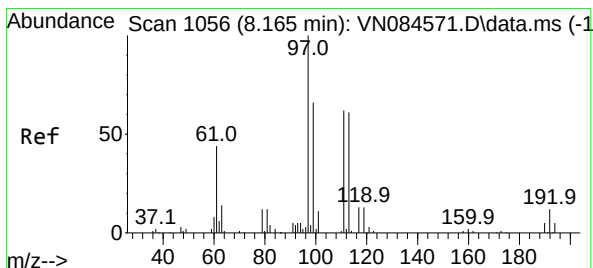
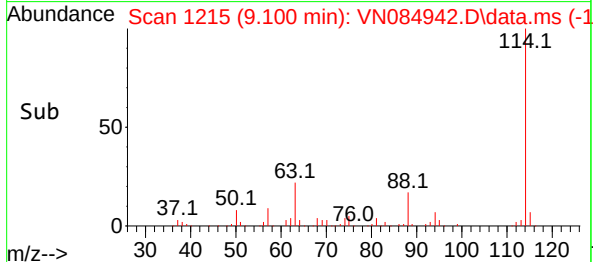
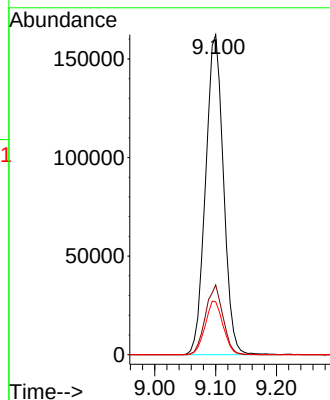
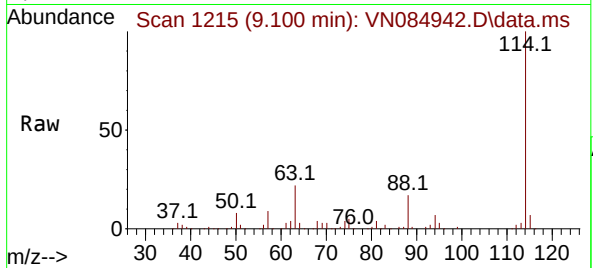




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

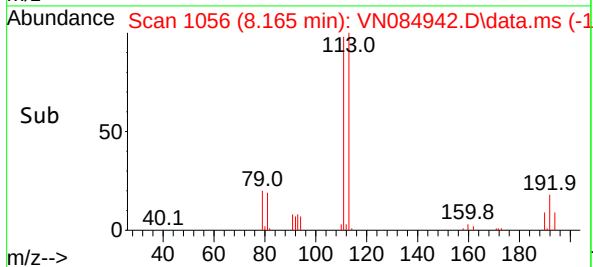
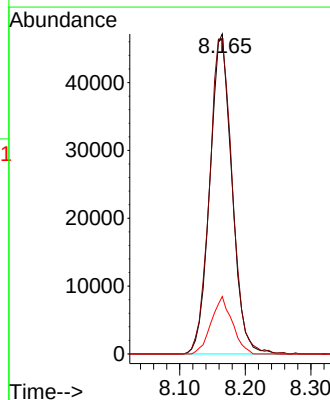
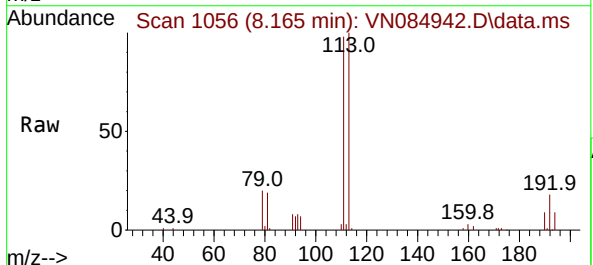
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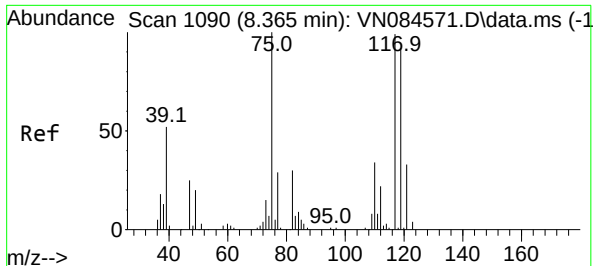
Tgt Ion:114 Resp: 330960
Ion Ratio Lower Upper
114 100
63 21.8 0.0 43.8
88 16.6 0.0 31.6



#35
Dibromofluoromethane
Concen: 49.019 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion:113 Resp: 109812
Ion Ratio Lower Upper
113 100
111 102.3 83.3 124.9
192 17.1 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.153 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084942.D

Acq: 19 Nov 2024 13:17

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-27-20241112DL

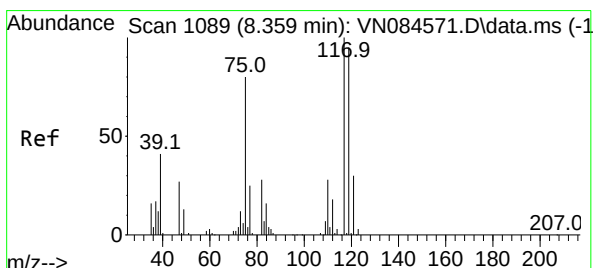
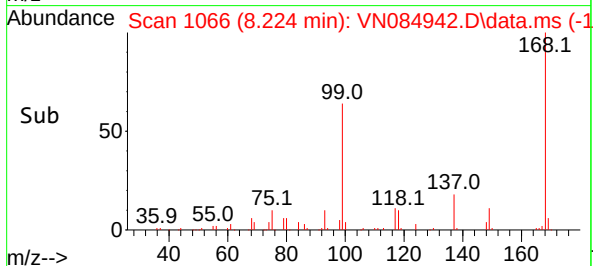
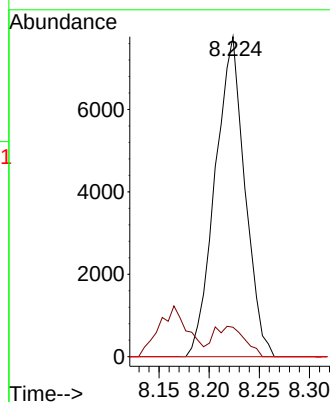
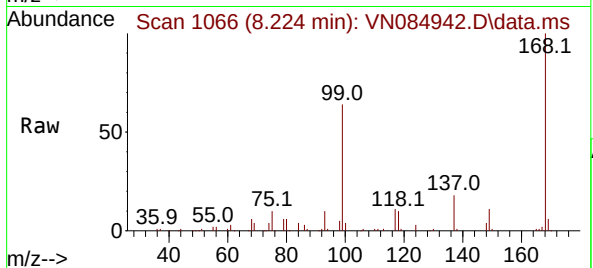
Tgt Ion: 75 Resp: 16010

Ion Ratio Lower Upper

75 100

110 10.0 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.904 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN084942.D

Acq: 19 Nov 2024 13:17

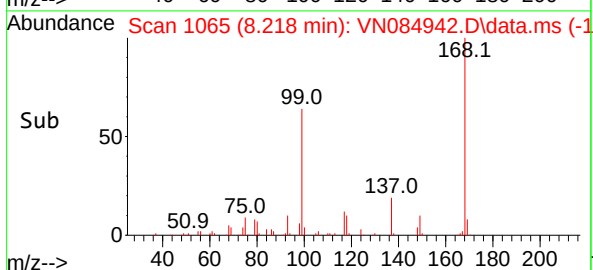
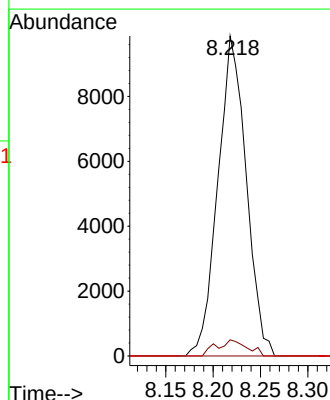
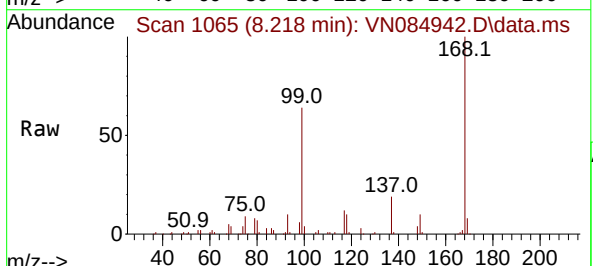
Tgt Ion: 117 Resp: 20502

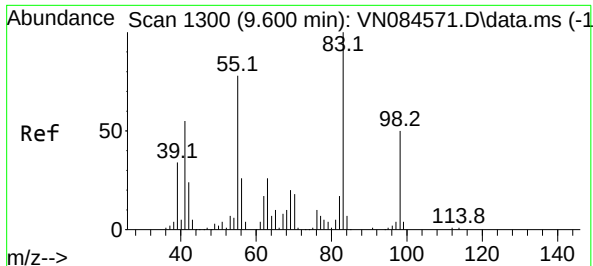
Ion Ratio Lower Upper

117 100

119 5.1 78.7 118.1#

121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.244 ug/l

RT: 9.347 min Scan# 1156

Delta R.T. -0.253 min

Lab File: VN084942.D

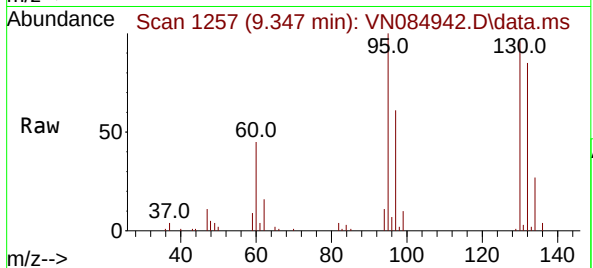
Acq: 19 Nov 2024 13:17

Instrument :

MSVOA_N

ClientSampleId :

FSND-MW-27-20241112DL



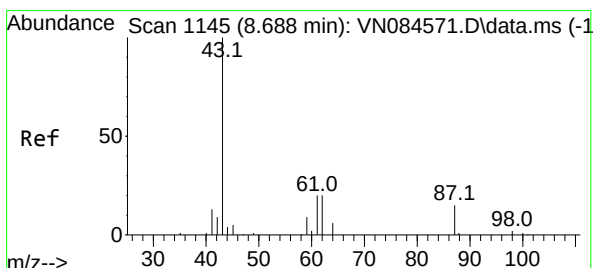
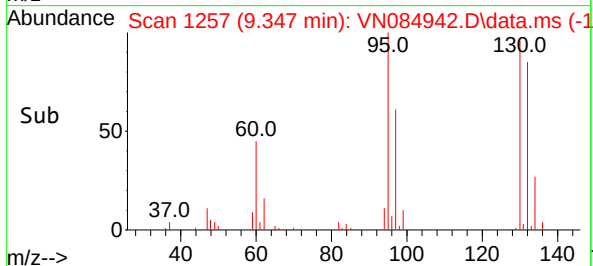
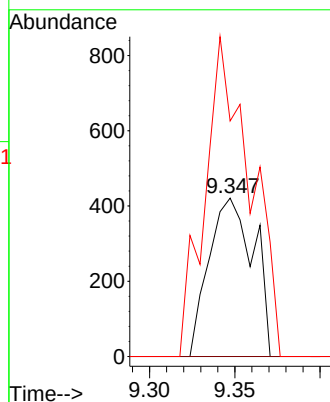
Tgt Ion: 83 Resp: 772

Ion Ratio Lower Upper

83 100

55 0.0 62.8 94.2#

98 148.7 38.8 58.2#



#43

Isopropyl Acetate

Concen: 2.510 ug/l

RT: 8.753 min Scan# 1156

Delta R.T. 0.065 min

Lab File: VN084942.D

Acq: 19 Nov 2024 13:17

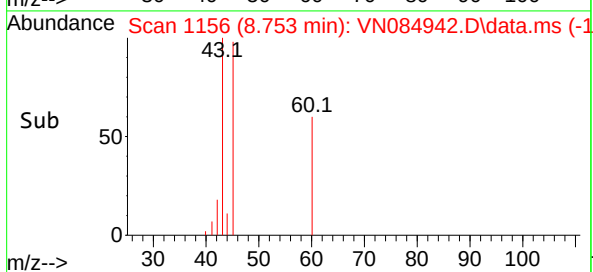
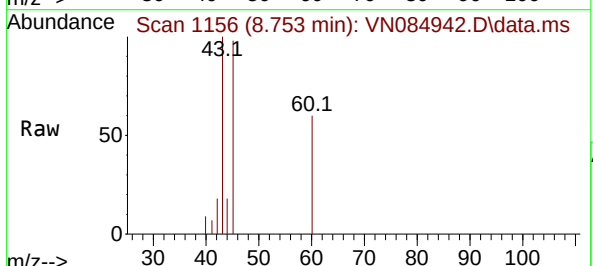
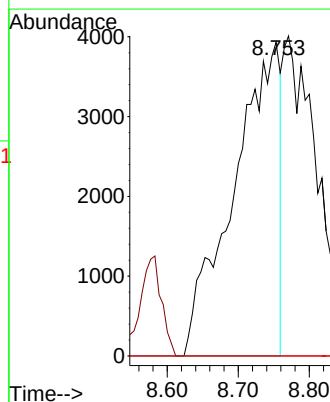
Tgt Ion: 43 Resp: 17845

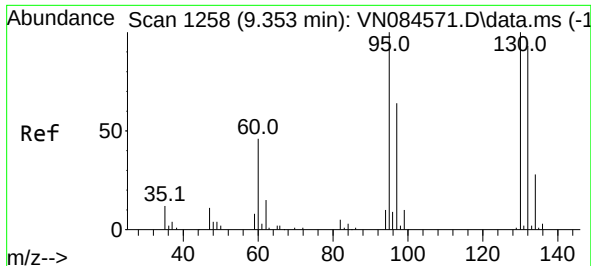
Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 10.3 15.5#

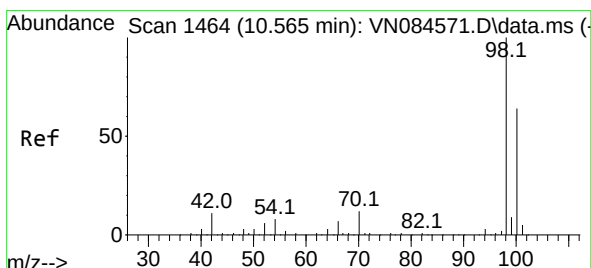
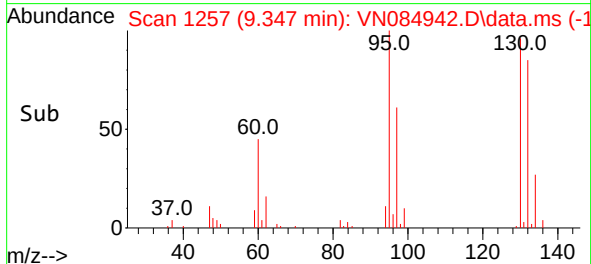
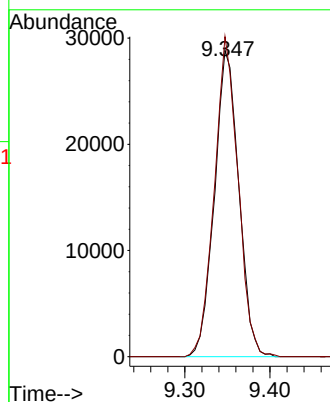
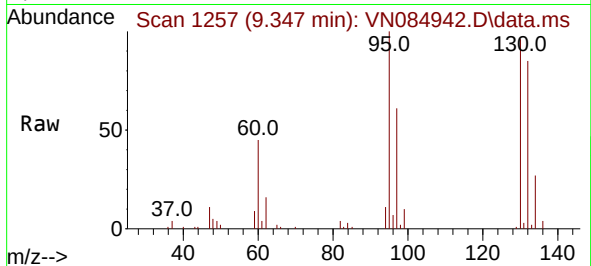




#44
Trichloroethene
Concen: 24.959 ug/l
RT: 9.347 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

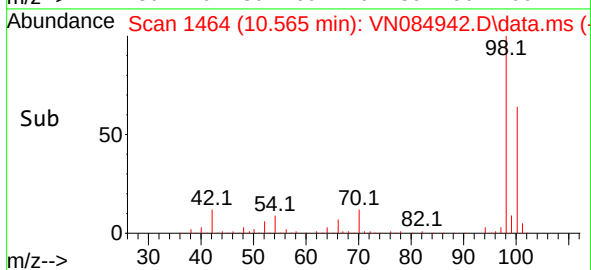
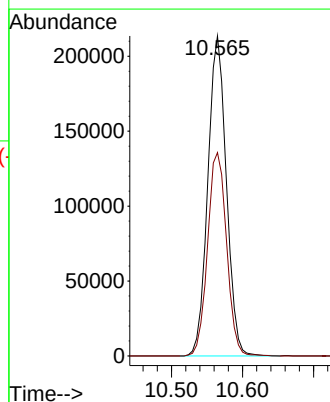
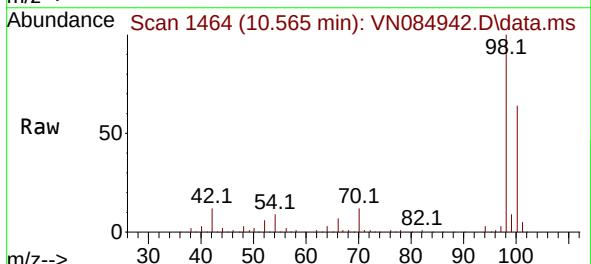
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

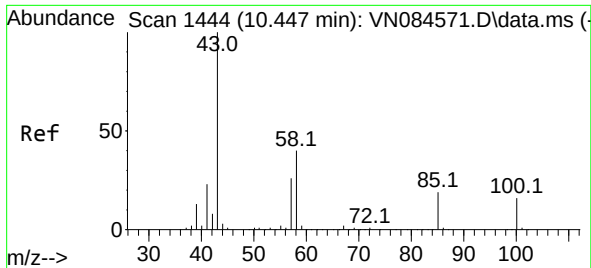
Tgt Ion:130 Resp: 57433
Ion Ratio Lower Upper
130 100
95 104.5 0.0 203.0



#50
Toluene-d8
Concen: 46.910 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion: 98 Resp: 387109
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1

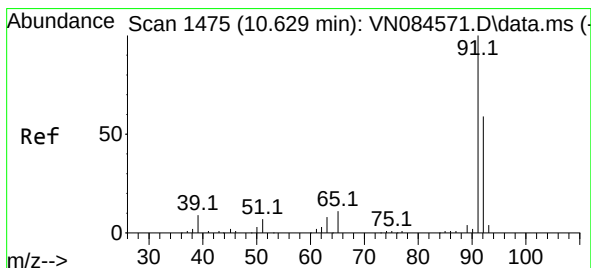
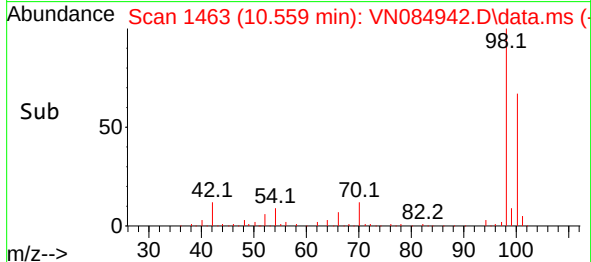
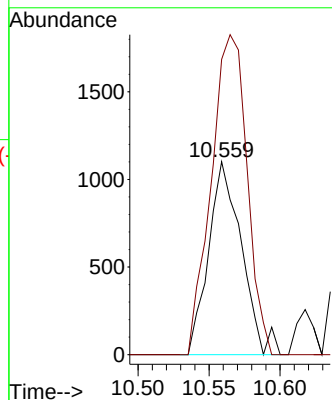
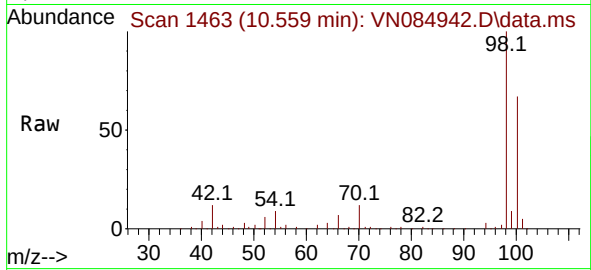




#51
4-Methyl-2-Pentanone
Concen: 0.659 ug/l
RT: 10.559 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

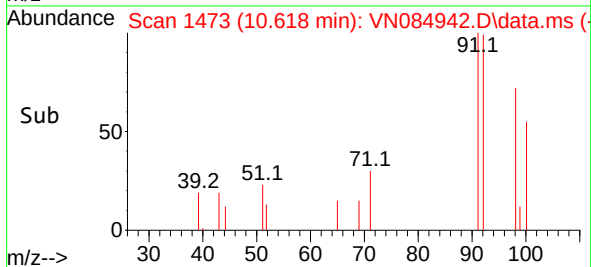
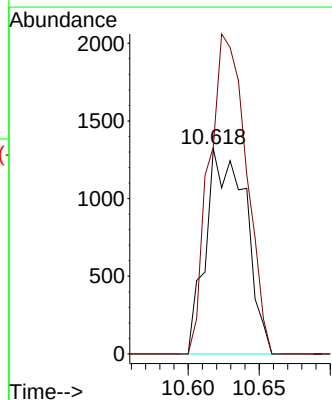
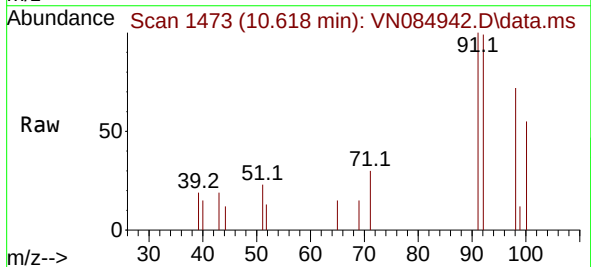
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

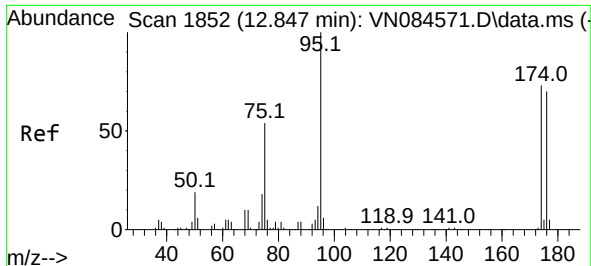
Tgt Ion: 43 Resp: 1772
Ion Ratio Lower Upper
43 100
58 180.9 31.6 47.4#



#52
Toluene
Concen: 0.442 ug/l
RT: 10.618 min Scan# 1473
Delta R.T. -0.012 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion: 92 Resp: 2578
Ion Ratio Lower Upper
92 100
91 145.5 137.3 205.9

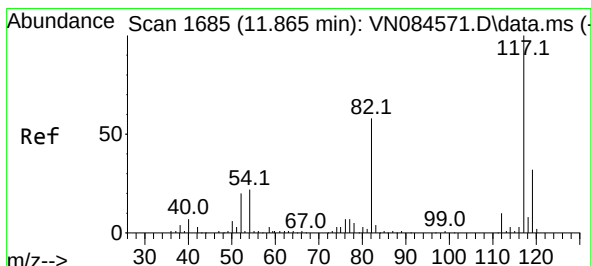
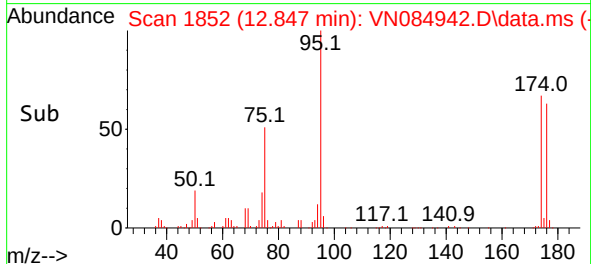
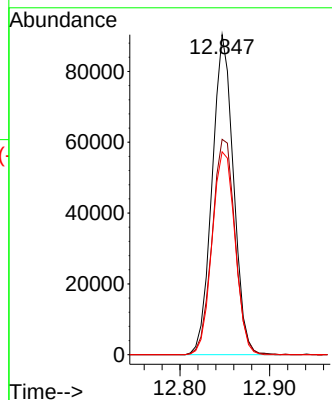
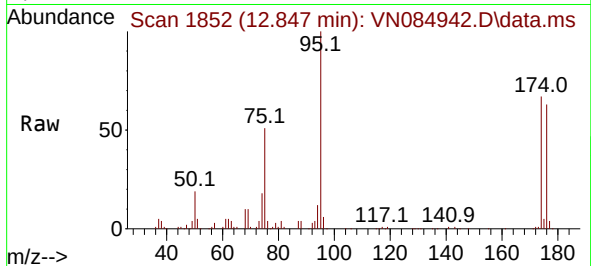




#62
4-Bromofluorobenzene
Concen: 48.408 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

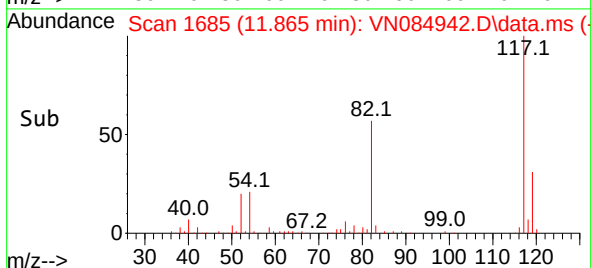
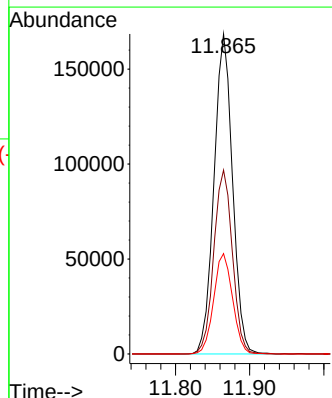
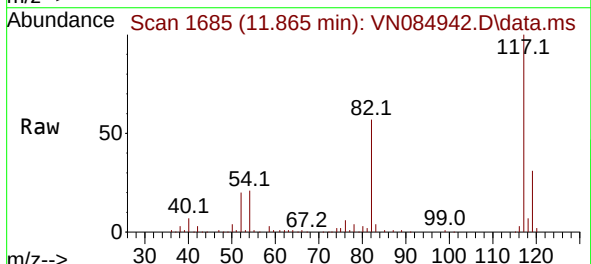
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

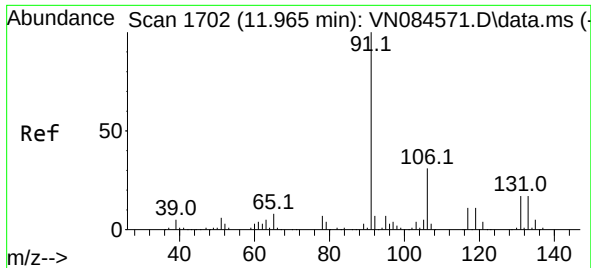
Tgt Ion: 95 Resp: 149295
Ion Ratio Lower Upper
95 100
174 72.3 0.0 145.2
176 68.1 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion: 117 Resp: 292031
Ion Ratio Lower Upper
117 100
82 57.4 47.2 70.8
119 31.4 25.4 38.0

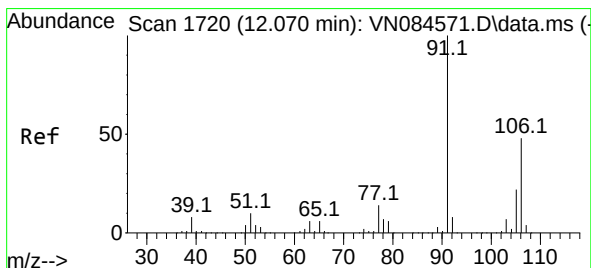
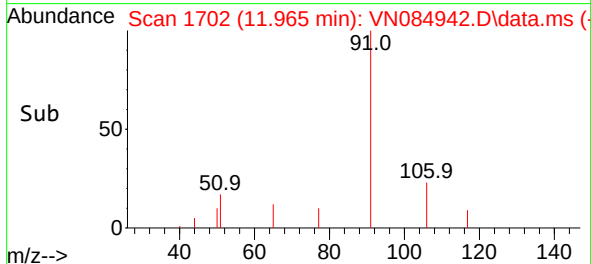
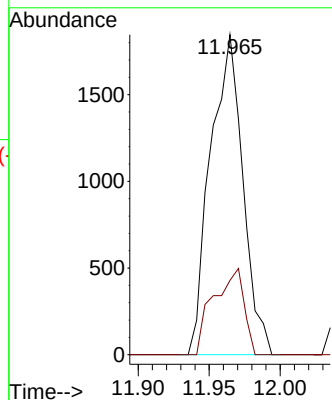
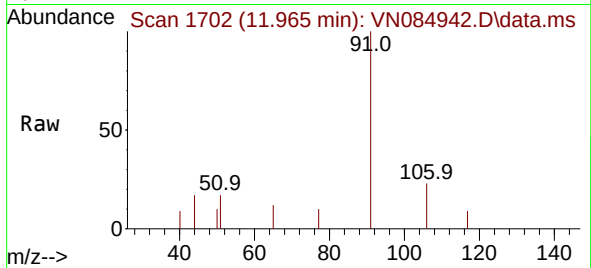




#67
Ethyl Benzene
Concen: 0.269 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

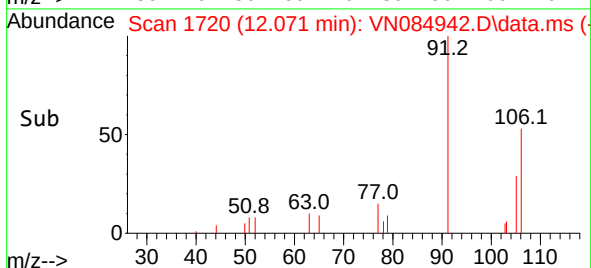
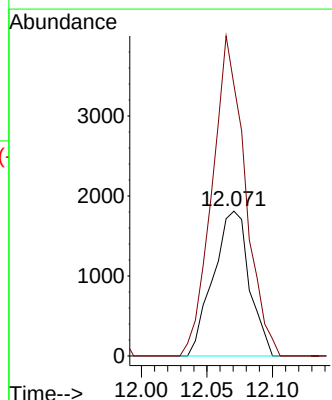
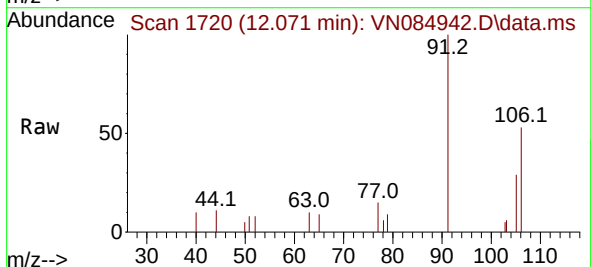
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

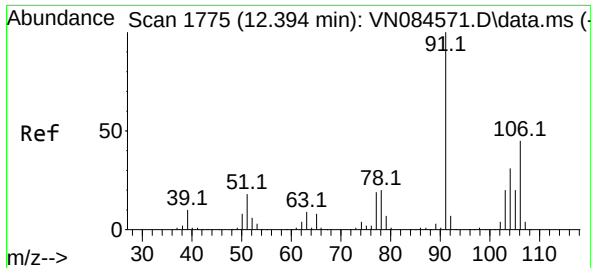
Tgt Ion: 91 Resp: 2932
Ion Ratio Lower Upper
91 100
106 23.2 24.5 36.7#



#68
m/p-Xylenes
Concen: 0.837 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion: 106 Resp: 3456
Ion Ratio Lower Upper
106 100
91 202.6 167.1 250.7

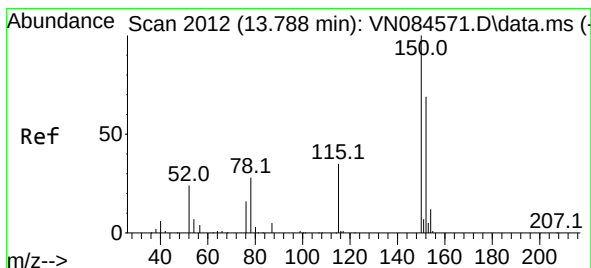
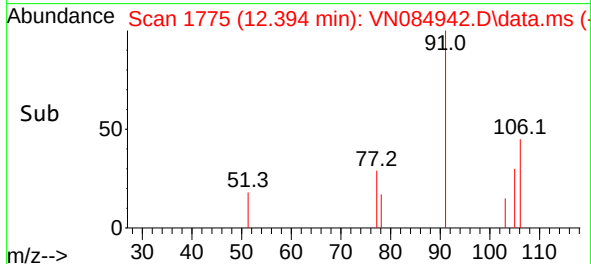
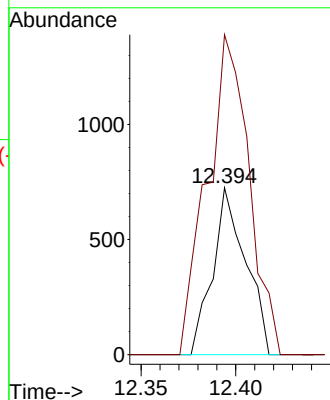
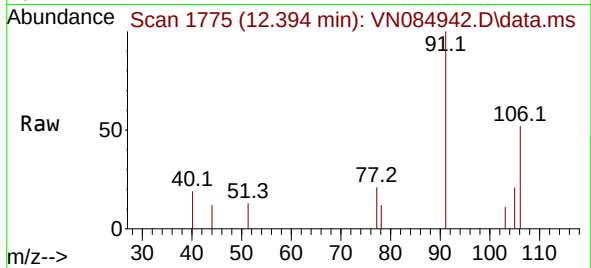




#69
o-Xylene
Concen: 0.228 ug/l
RT: 12.394 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

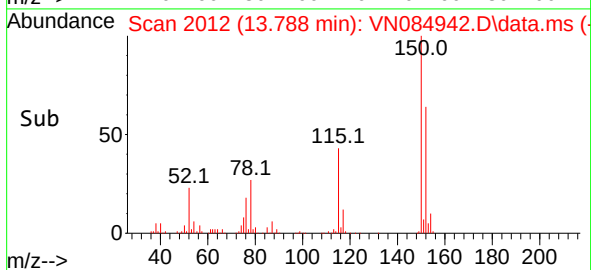
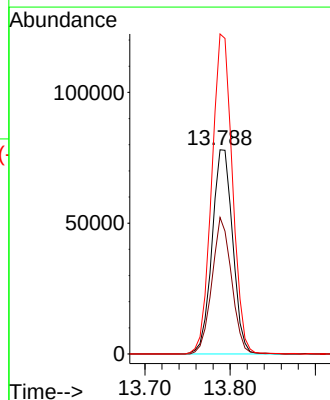
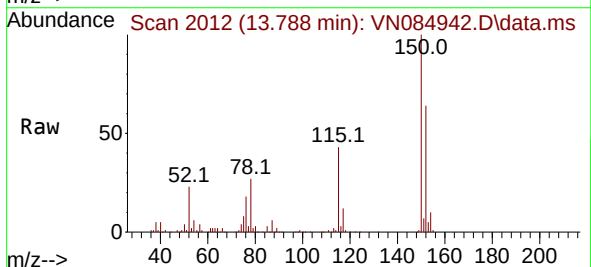
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

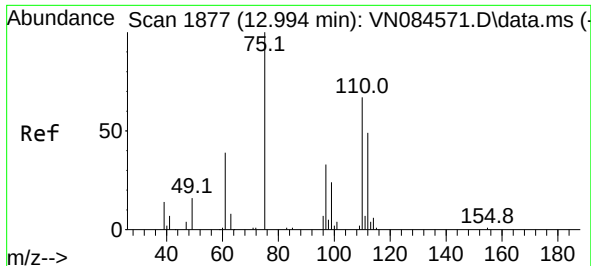
Tgt Ion:106 Resp: 880
Ion Ratio Lower Upper
106 100
91 242.6 110.2 330.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion:152 Resp: 131420
Ion Ratio Lower Upper
152 100
115 63.5 31.3 93.9
150 156.8 0.0 349.8

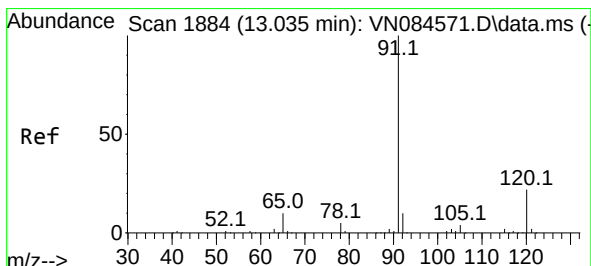
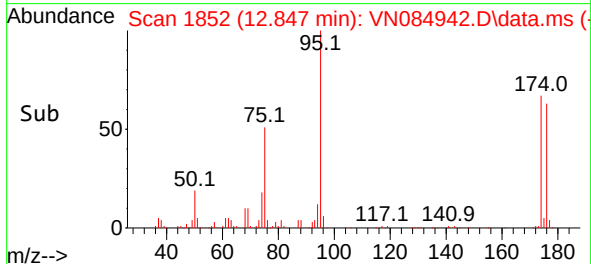
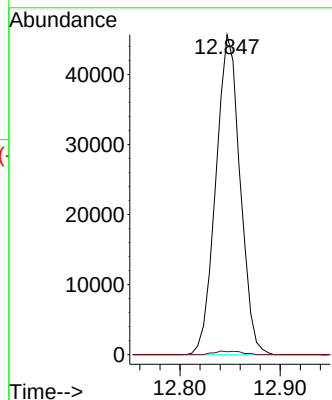
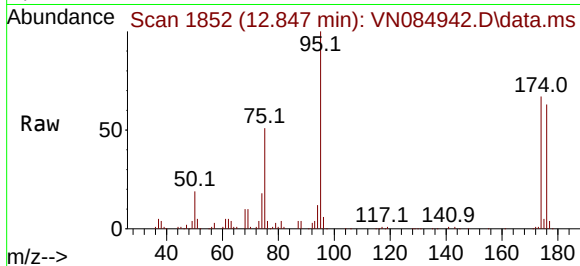




#76
1,2,3-Trichloropropane
Concen: 29.177 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

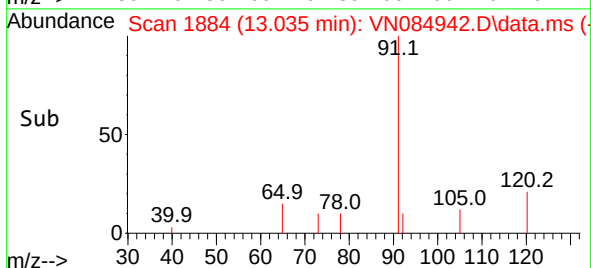
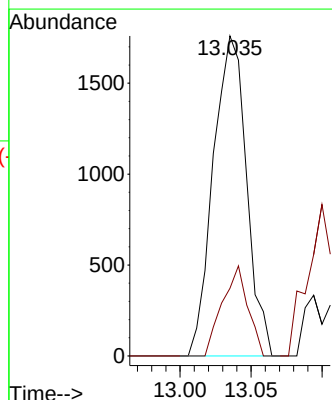
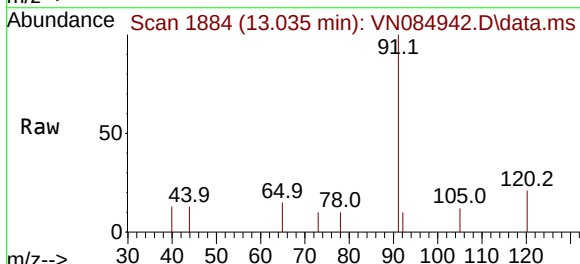
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

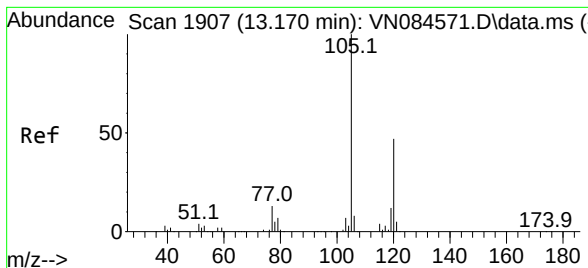
Tgt Ion: 75 Resp: 76649
Ion Ratio Lower Upper
75 100
77 1.2 96.9 290.7#



#78
n-propylbenzene
Concen: 0.266 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Tgt Ion: 91 Resp: 2872
Ion Ratio Lower Upper
91 100
120 21.6 10.8 32.4





#80

1,3,5-Trimethylbenzene

Concen: 0.262 ug/l

RT: 13.176 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VN084942.D

Acq: 19 Nov 2024 13:17

Instrument :

MSVOA_N

ClientSampleId :

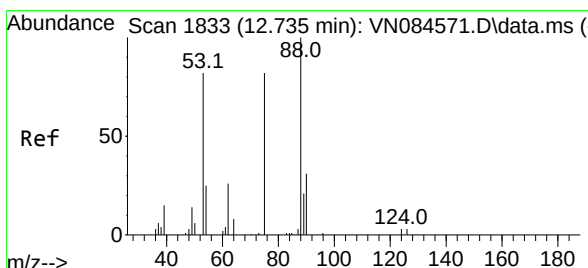
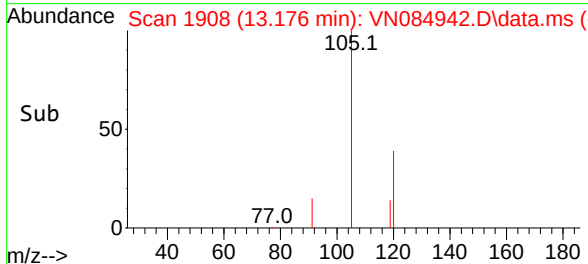
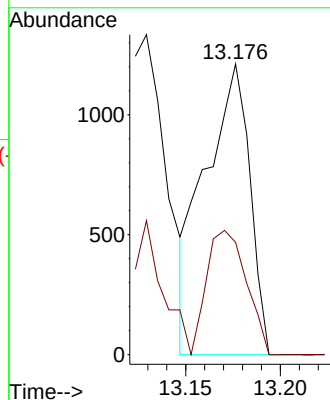
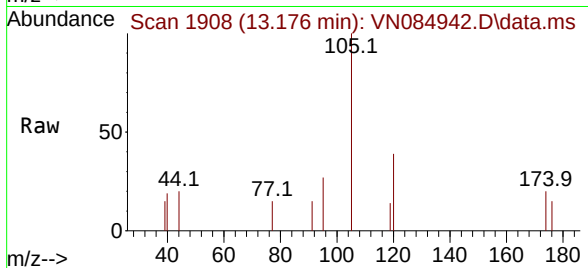
FSND-MW-27-20241112DL

Tgt Ion:105 Resp: 1998

Ion Ratio Lower Upper

105 100

120 38.0 23.7 71.1



#81

trans-1,4-Dichloro-2-butene

Concen: 69.220 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084942.D

Acq: 19 Nov 2024 13:17

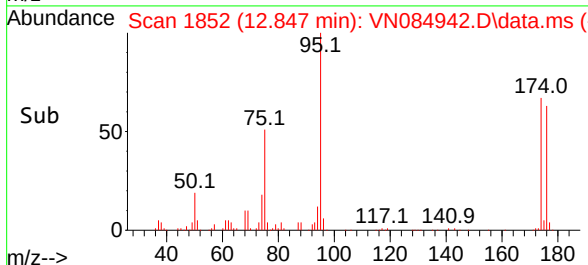
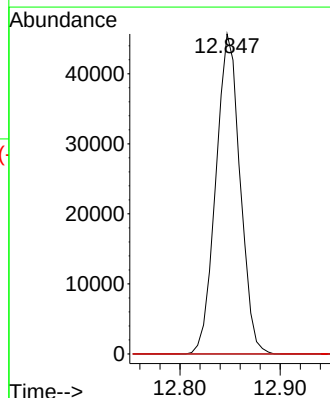
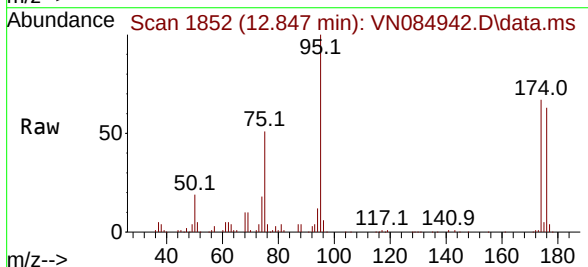
Tgt Ion: 75 Resp: 76649

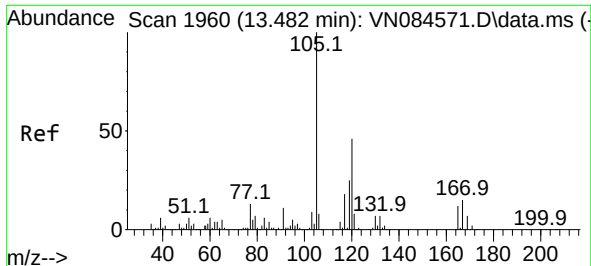
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 35.5 53.3#

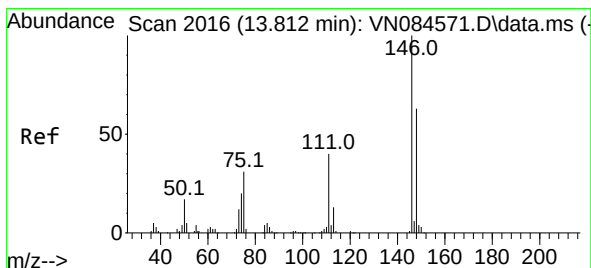
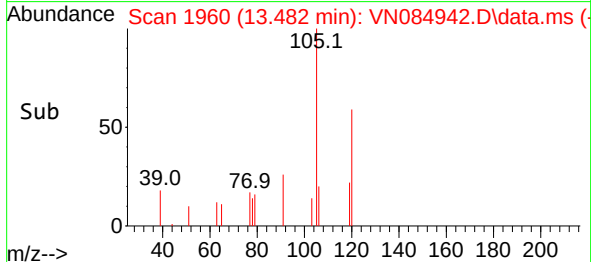
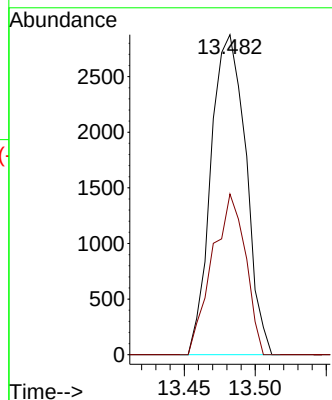
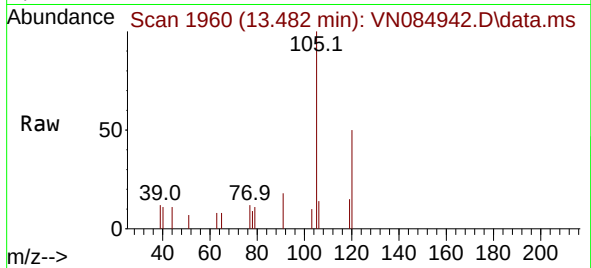




#84
1,2,4-Trimethylbenzene
Concen: 0.623 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

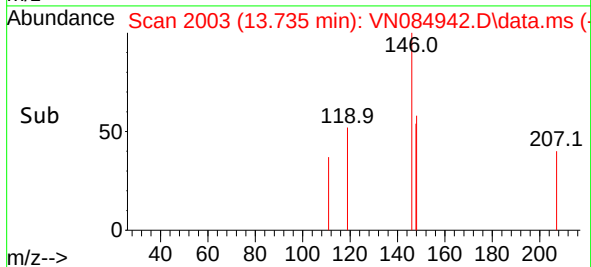
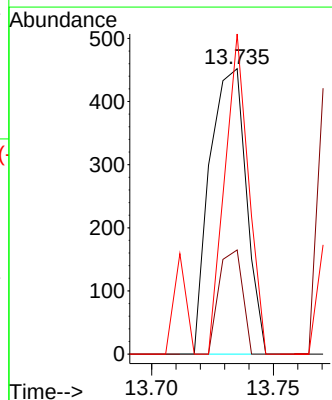
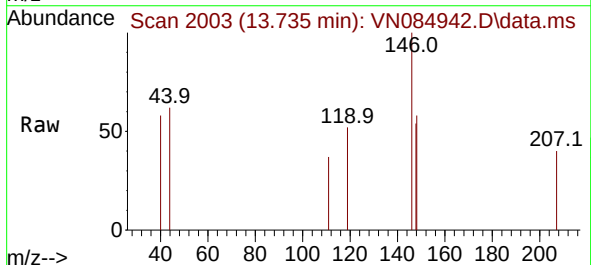
Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL

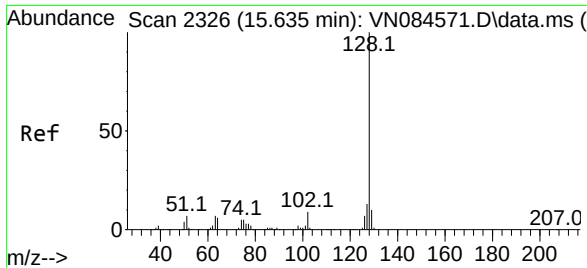
Tgt Ion:105 Resp: 4908
Ion Ratio Lower Upper
105 100
120 47.9 22.3 66.8



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.735 min Scan# 2003
Delta R.T. -0.077 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

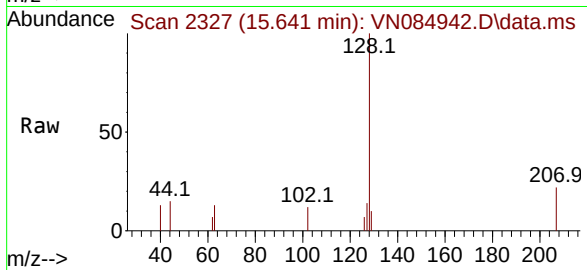
Tgt Ion:146 Resp: 471
Ion Ratio Lower Upper
146 100
111 23.6 21.2 63.6
148 73.0 31.9 95.9





#95
Naphthalene
Concen: 0.569 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN084942.D
Acq: 19 Nov 2024 13:17

Instrument :
MSVOA_N
ClientSampleId :
FSND-MW-27-20241112DL



Tgt Ion:128 Resp: 4329
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 5.8 8.7 13.1#

