

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092424\
 Data File : VN084137.D
 Acq On : 24 Sep 2024 16:19
 Operator : JC\MD
 Sample : P4116-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D1-20240917

Quant Time: Sep 25 01:36:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

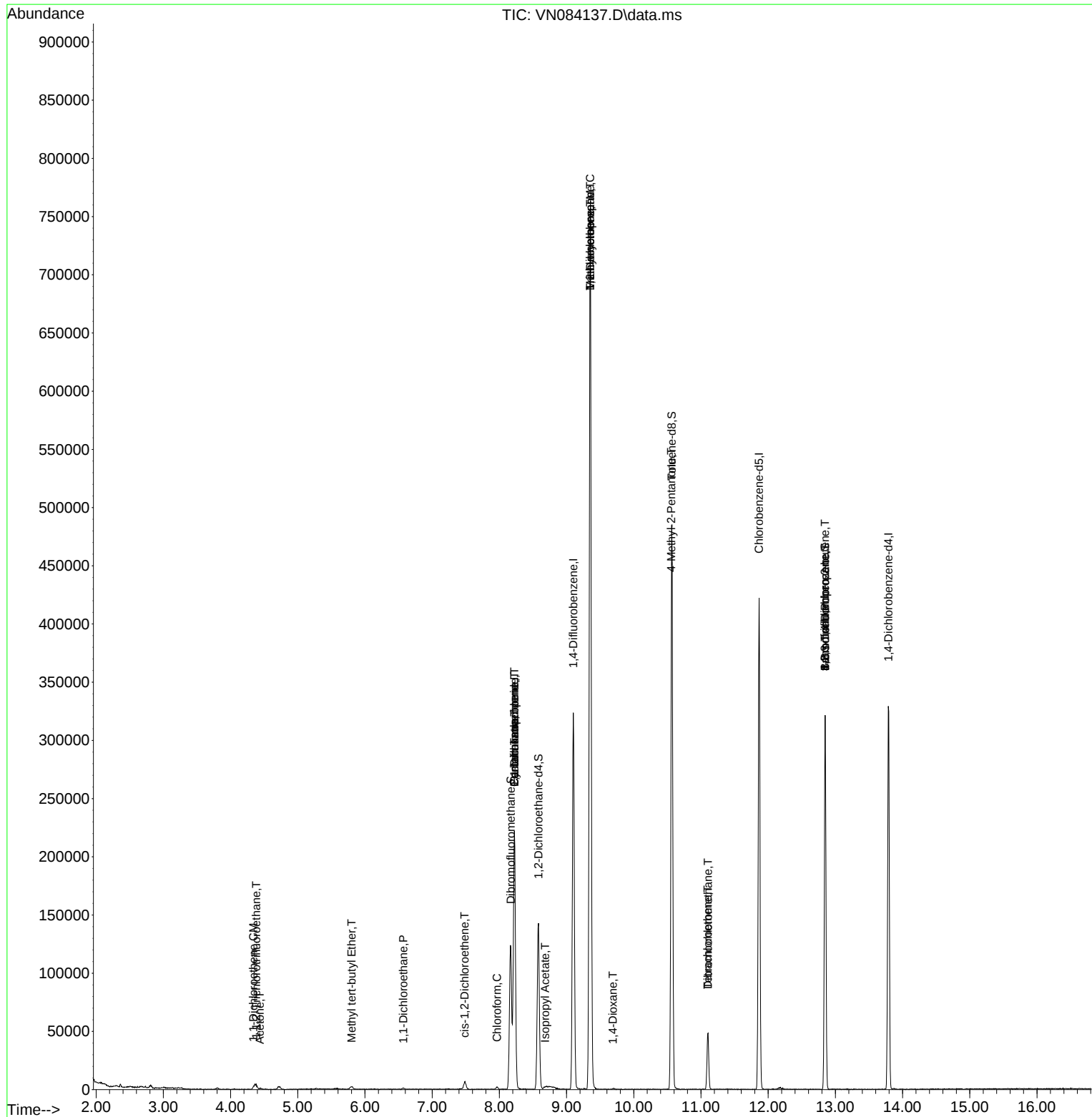
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	150195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	262510	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	224764	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	86841	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	118312	52.241	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.480%	
35) Dibromofluoromethane	8.171	113	88011	52.370	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.740%	
50) Toluene-d8	10.565	98	328013	56.459	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 112.920%	
62) 4-Bromofluorobenzene	12.847	95	108429	45.236	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 90.480%	
Target Compounds						Qvalue
3) Chloromethane	2.359	50	1774	Below Cal		93
9) 1,1,2-Trichlorotrifluo...	4.383	101	3496	2.032	ug/l #	82
12) 1,1-Dichloroethene	4.342	96	1009	0.621	ug/l #	57
16) Acetone	4.436	43	1281	1.411	ug/l #	45
19) Methyl tert-butyl Ether	5.800	73	3461	0.589	ug/l #	55
24) 1,1-Dichloroethane	6.571	63	1758	0.512	ug/l #	82
27) cis-1,2-Dichloroethene	7.483	96	3911	1.892	ug/l	90
30) Chloroform	7.965	83	2000	0.549	ug/l	94
31) Cyclohexane	8.224	56	3793	1.159	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14002	5.536	ug/l #	48
38) Carbon Tetrachloride	8.224	117	17561	6.120	ug/l #	16
39) Methylcyclohexane	9.353	83	3788	1.316	ug/l #	1
43) Isopropyl Acetate	8.682	43	1780	0.428	ug/l #	57
44) Trichloroethene	9.353	130	258405	146.566	ug/l	94
45) 1,2-Dichloropropane	9.353	63	772	0.420	ug/l #	1
49) 1,4-Dioxane	9.688	88	718	22.110	ug/l #	14
51) 4-Methyl-2-Pentanone	10.559	43	1573	0.695	ug/l #	1
60) Dibromochloromethane	11.106	129	11033	5.670	ug/l #	10
64) Tetrachloroethene	11.100	164	10731	7.179	ug/l	95
71) Bromoform	12.847	173	620	0.531	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	59610	34.019	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	59610	89.097	ug/l #	9

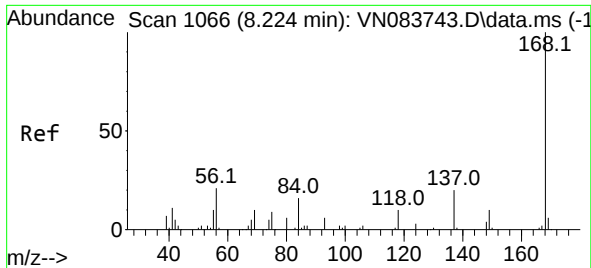
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
RE125D1-20240917

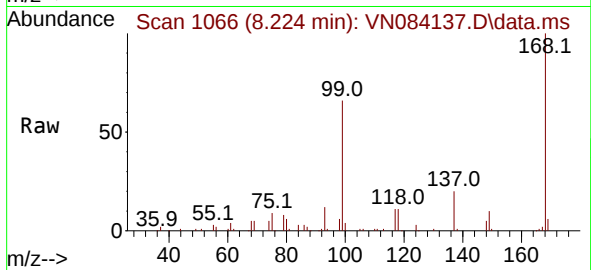
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
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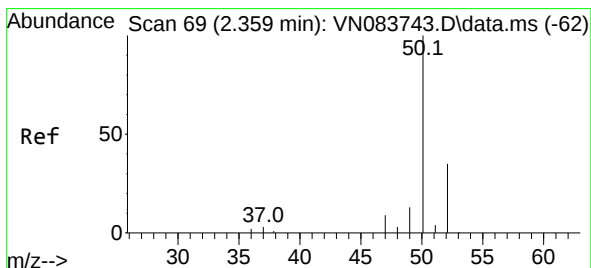
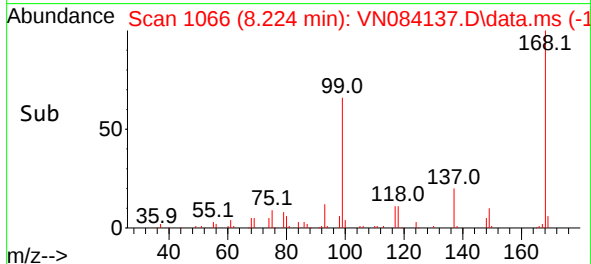
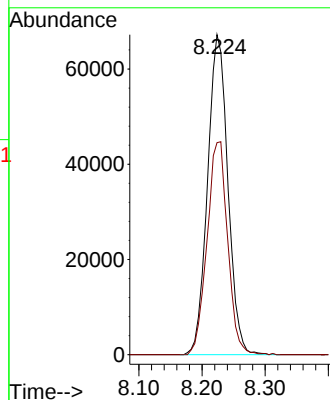


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084137.D
Acq: 24 Sep 2024 16:19

Instrument :
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ClientSampleId :
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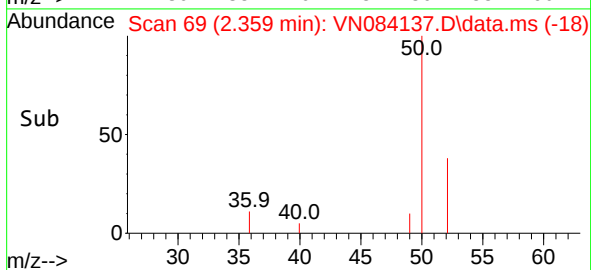
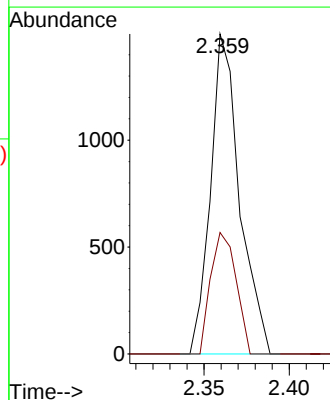
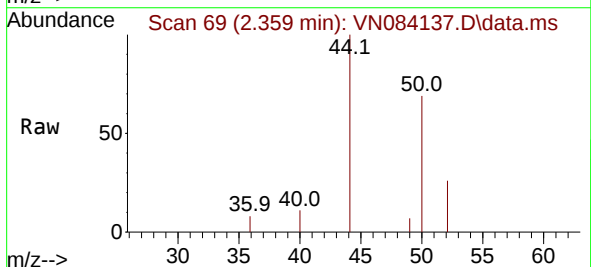


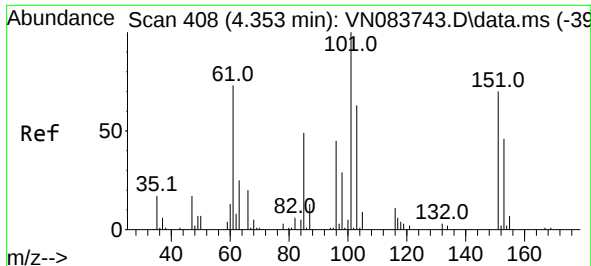
Tgt Ion:168 Resp: 150195
Ion Ratio Lower Upper
168 100
99 66.2 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084137.D
Acq: 24 Sep 2024 16:19

Tgt Ion: 50 Resp: 1774
Ion Ratio Lower Upper
50 100
52 37.9 27.2 40.8

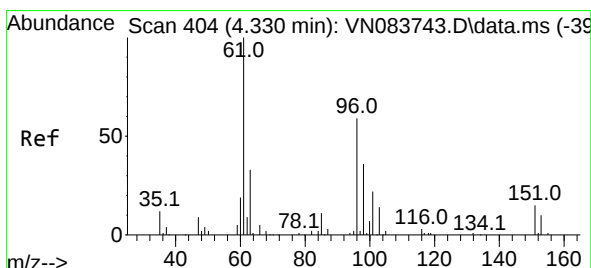
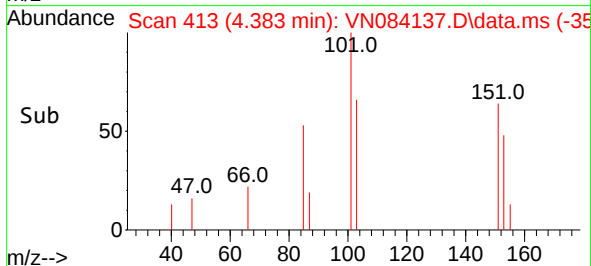
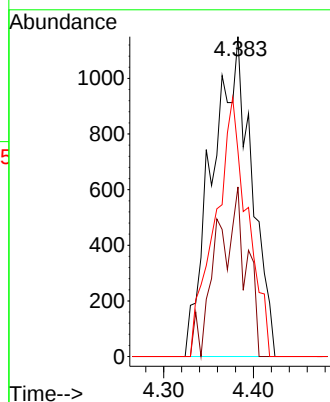
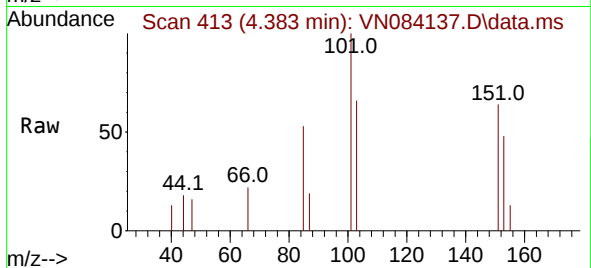




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.032 ug/l
RT: 4.383 min Scan# 413
Delta R.T. 0.029 min
Lab File: VN084137.D
Acq: 24 Sep 2024 16:19

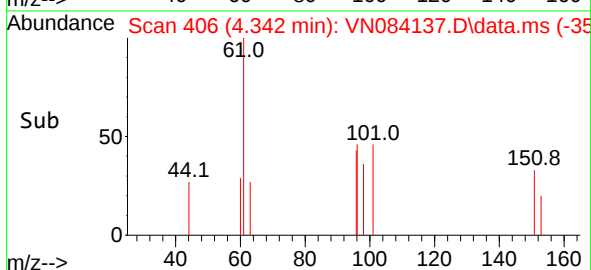
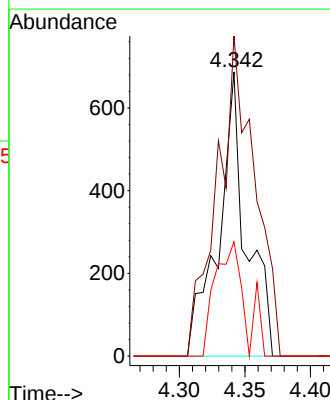
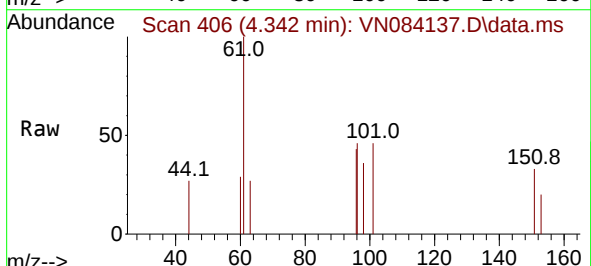
Instrument :
MSVOA_N
ClientSampleId :
RE125D1-20240917

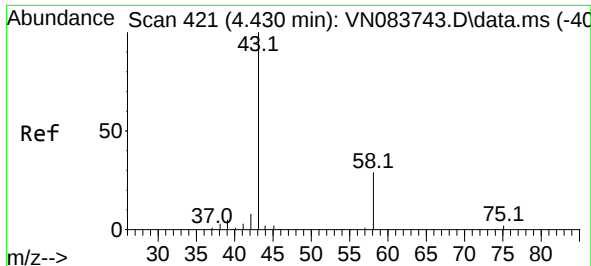
Tgt Ion:101 Resp: 3496
Ion Ratio Lower Upper
101 100
85 20.5 36.2 54.4#
151 67.0 57.7 86.5



#12
1,1-Dichloroethene
Concen: 0.621 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.012 min
Lab File: VN084137.D
Acq: 24 Sep 2024 16:19

Tgt Ion: 96 Resp: 1009
Ion Ratio Lower Upper
96 100
61 112.7 143.4 215.0#
98 40.2 52.7 79.1#

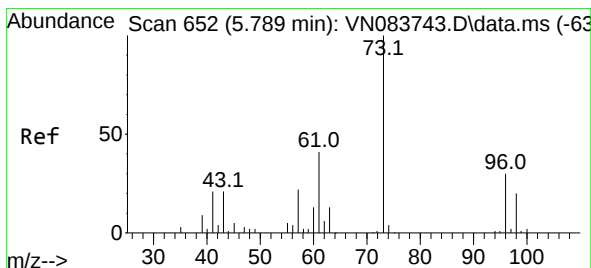
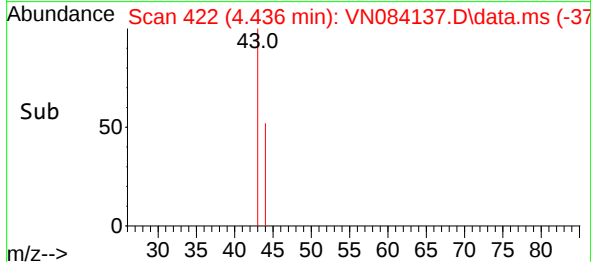
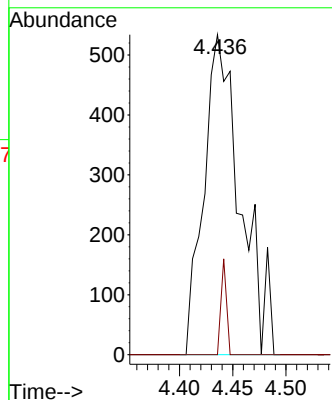
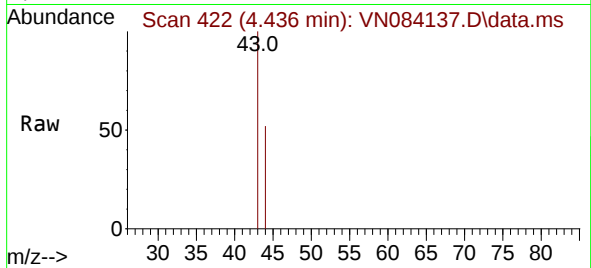




#16
Acetone
Concen: 1.411 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084137.D
Acq: 24 Sep 2024 16:19

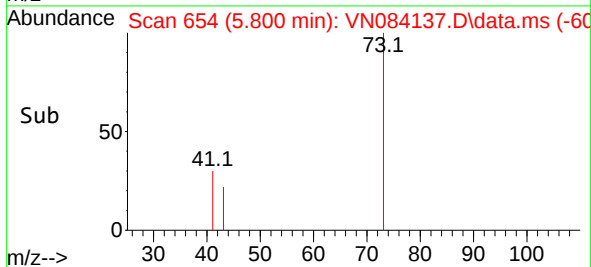
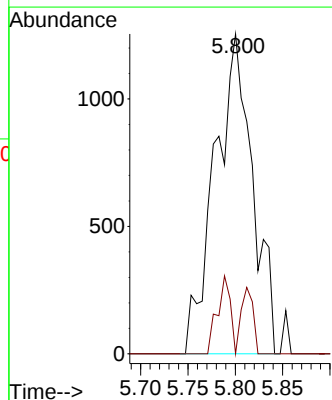
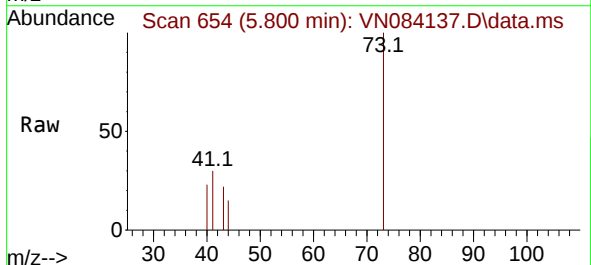
Instrument :
MSVOA_N
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RE125D1-20240917

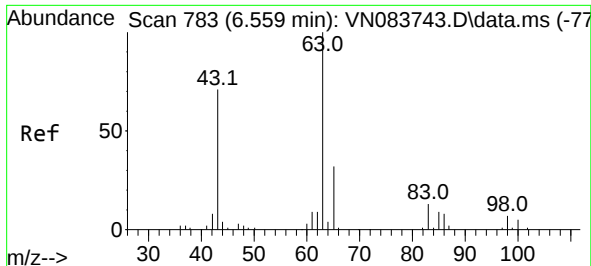
Tgt Ion: 43 Resp: 1281
Ion Ratio Lower Upper
43 100
58 0.0 23.7 35.5#



#19
Methyl tert-butyl Ether
Concen: 0.589 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.012 min
Lab File: VN084137.D
Acq: 24 Sep 2024 16:19

Tgt Ion: 73 Resp: 3461
Ion Ratio Lower Upper
73 100
57 0.0 17.0 25.6#

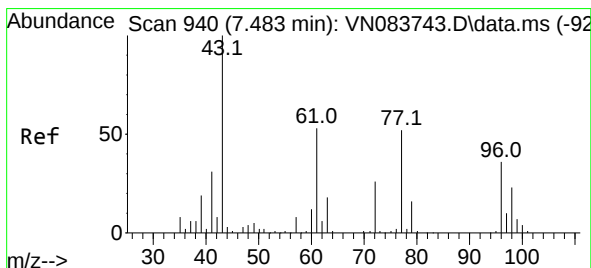
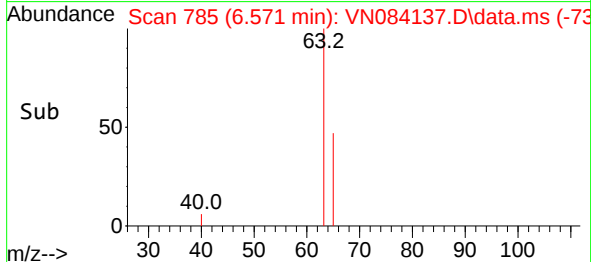
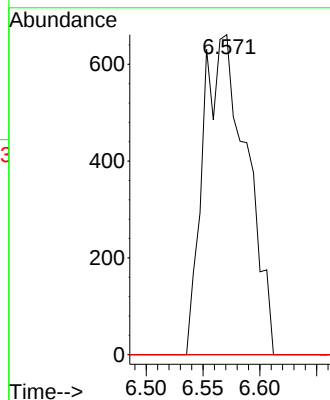
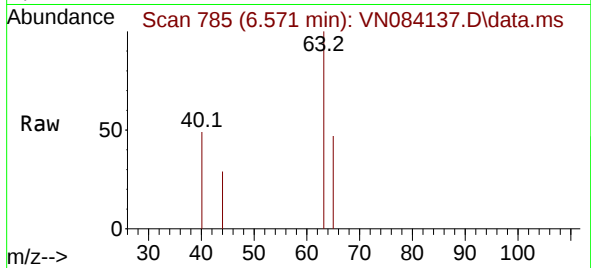




#24
1,1-Dichloroethane
Concen: 0.512 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.012 min
Lab File: VN084137.D
Acq: 24 Sep 2024 16:19

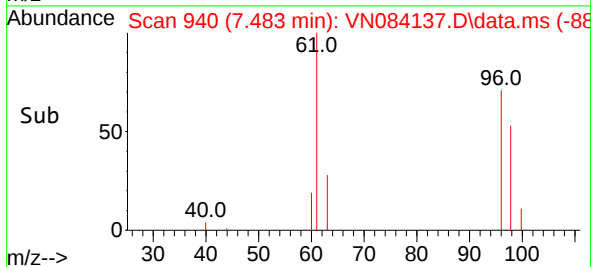
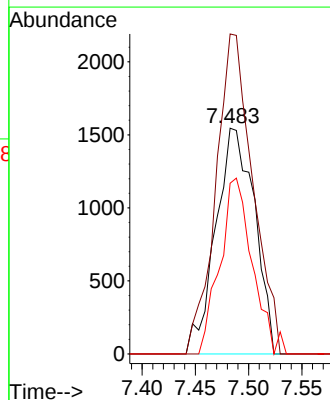
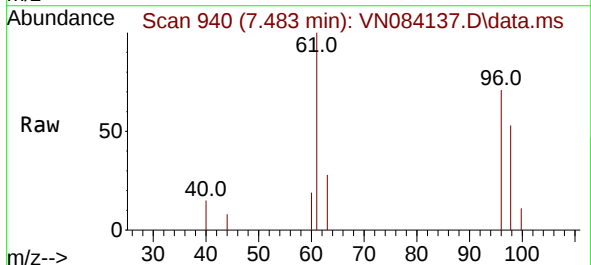
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ClientSampleId :
RE125D1-20240917

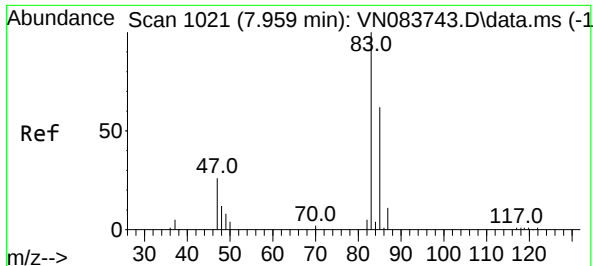
Tgt Ion: 63 Resp: 1758
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 1.892 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084137.D
Acq: 24 Sep 2024 16:19

Tgt Ion: 96 Resp: 3911
Ion Ratio Lower Upper
96 100
61 135.1 0.0 306.2
98 65.1 0.0 128.6





#30

Chloroform

Concen: 0.549 ug/l

RT: 7.965 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VN084137.D

Acq: 24 Sep 2024 16:19

Instrument :

MSVOA_N

ClientSampleId :

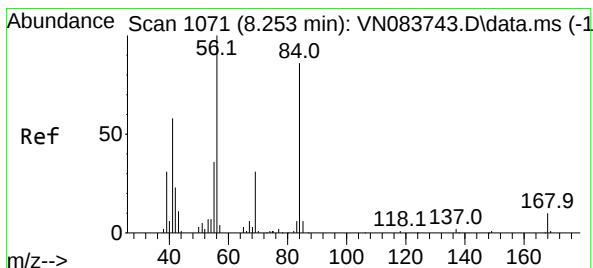
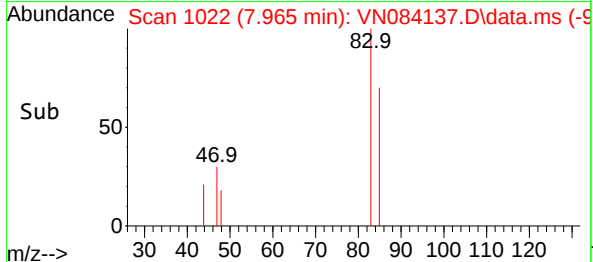
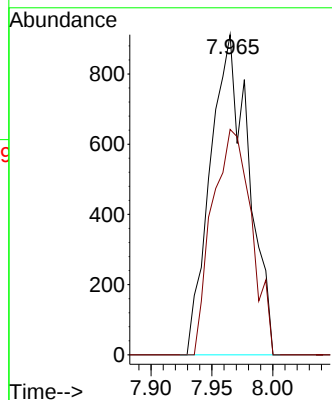
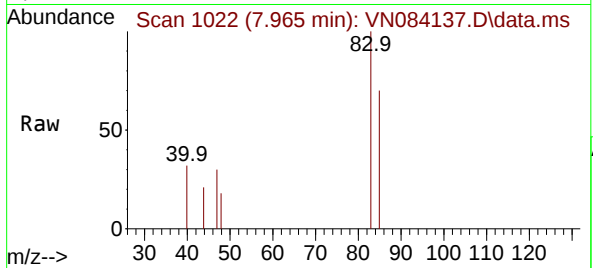
RE125D1-20240917

Tgt Ion: 83 Resp: 2000

Ion Ratio Lower Upper

83 100

85 70.4 52.8 79.2



#31

Cyclohexane

Concen: 1.159 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN084137.D

Acq: 24 Sep 2024 16:19

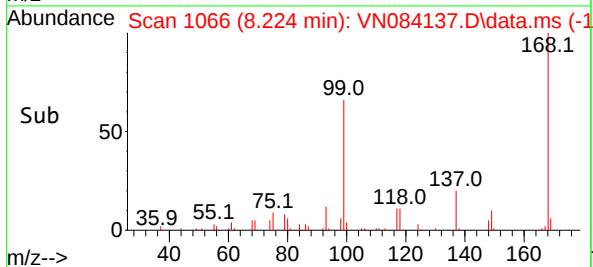
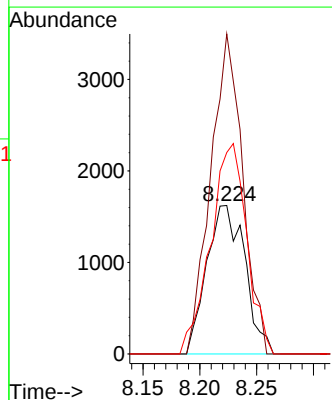
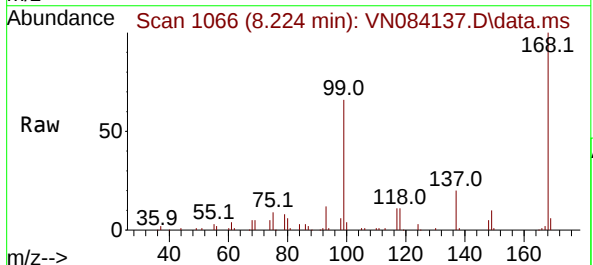
Tgt Ion: 56 Resp: 3793

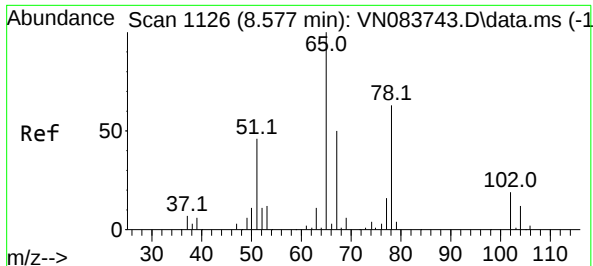
Ion Ratio Lower Upper

56 100

69 215.6 26.9 40.3#

84 135.7 69.2 103.8#





#33

1,2-Dichloroethane-d4

Concen: 52.241 ug/l

RT: 8.582 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN084137.D

Acq: 24 Sep 2024 16:19

Instrument :

MSVOA_N

ClientSampleId :

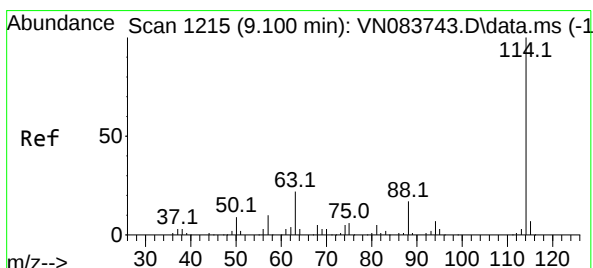
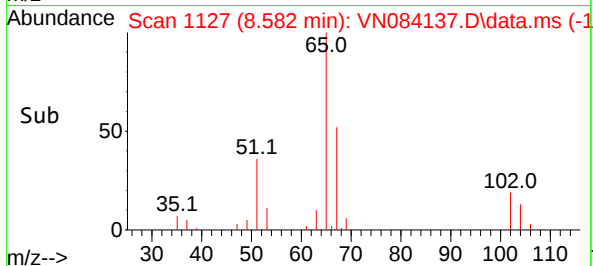
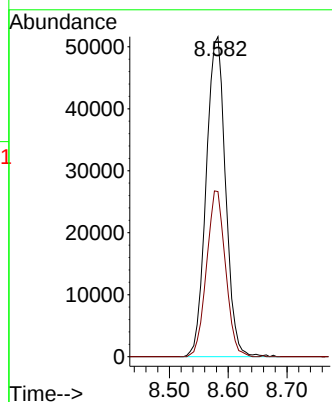
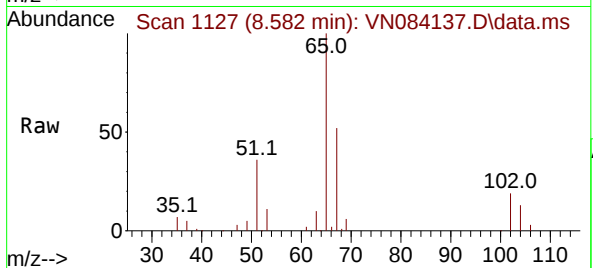
RE125D1-20240917

Tgt Ion: 65 Resp: 118312

Ion Ratio Lower Upper

65 100

67 50.7 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN084137.D

Acq: 24 Sep 2024 16:19

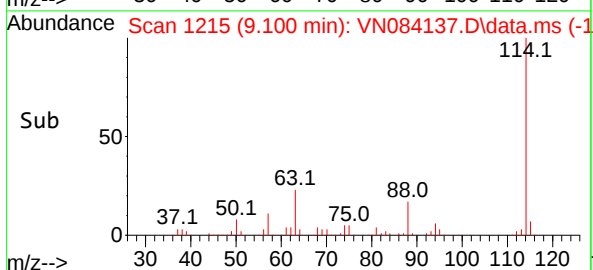
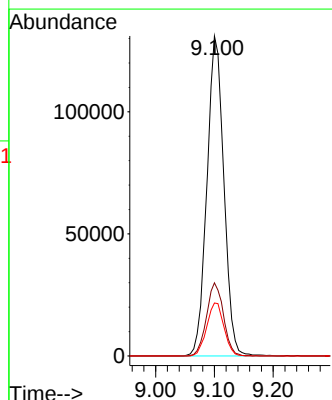
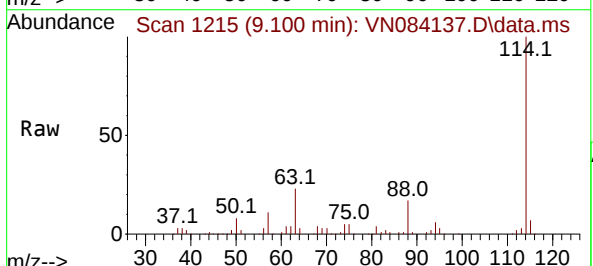
Tgt Ion: 114 Resp: 262510

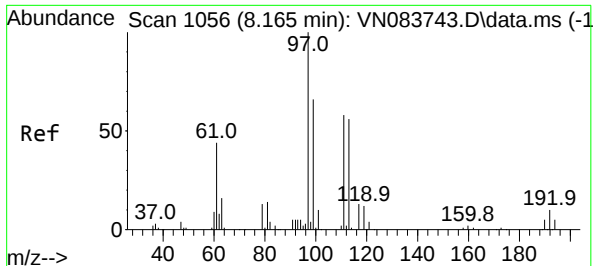
Ion Ratio Lower Upper

114 100

63 22.9 0.0 43.4

88 16.6 0.0 32.6

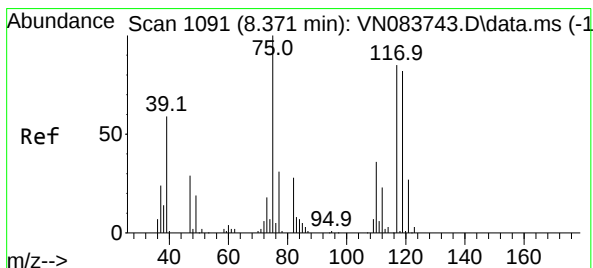
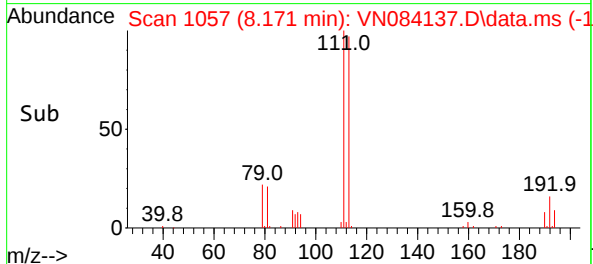
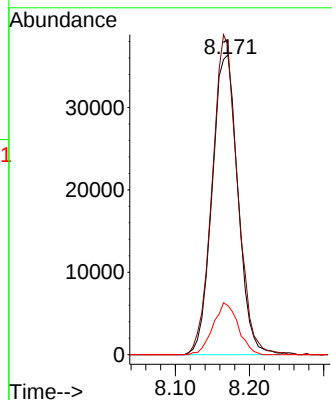
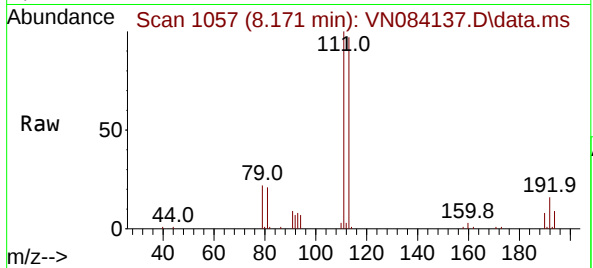




#35
Dibromofluoromethane
Concen: 52.370 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN084137.D
Acq: 24 Sep 2024 16:19

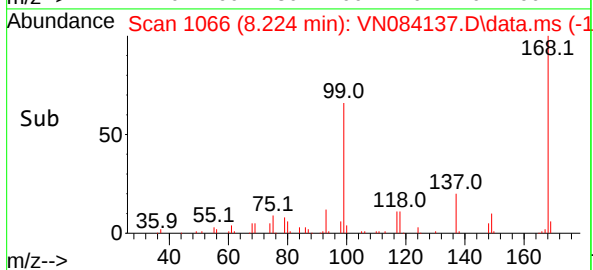
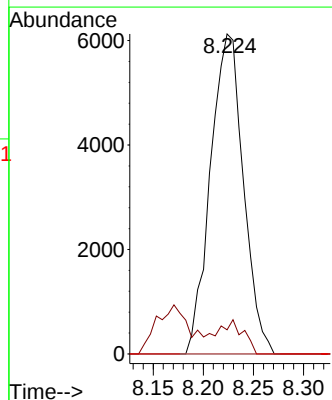
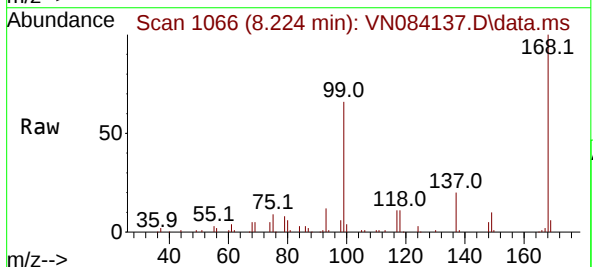
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ClientSampleId :
RE125D1-20240917

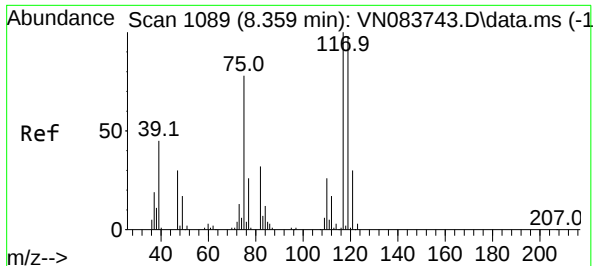
Tgt Ion:113 Resp: 88011
Ion Ratio Lower Upper
113 100
111 104.4 82.6 124.0
192 16.8 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.536 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084137.D
Acq: 24 Sep 2024 16:19

Tgt Ion: 75 Resp: 14002
Ion Ratio Lower Upper
75 100
110 6.9 16.7 50.1#
77 0.0 25.2 37.8#

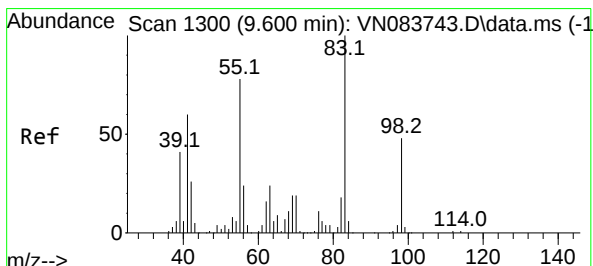
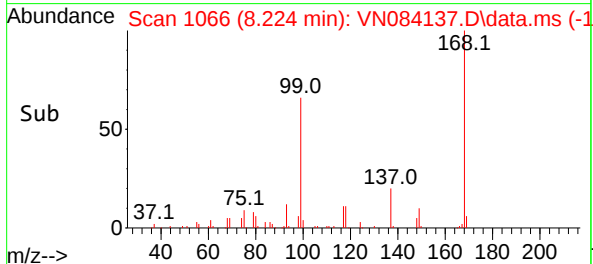
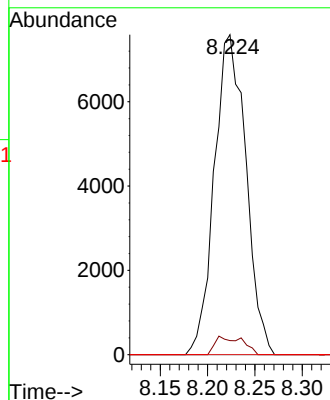
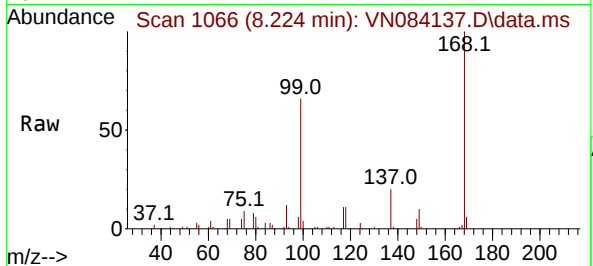




#38
Carbon Tetrachloride
Concen: 6.120 ug/l
RT: 8.224 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN084137.D
Acq: 24 Sep 2024 16:19

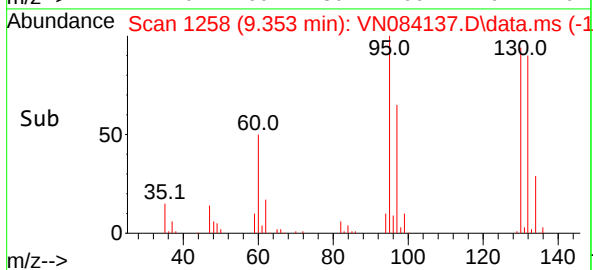
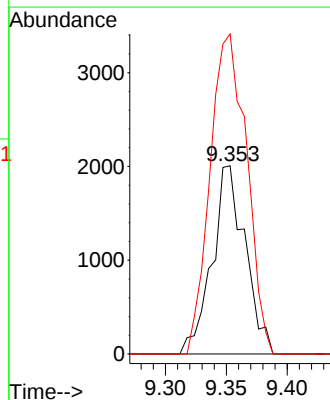
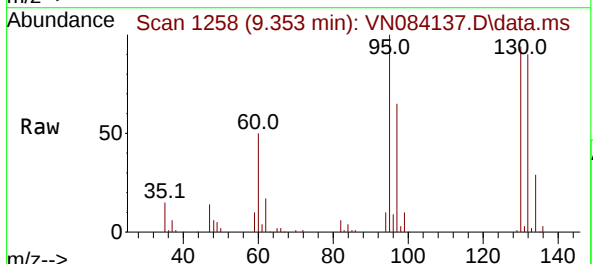
Instrument :
MSVOA_N
ClientSampleId :
RE125D1-20240917

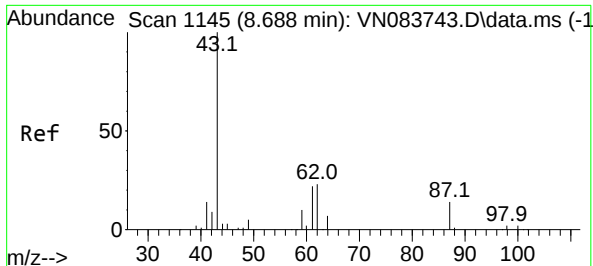
Tgt Ion:117 Resp: 17561
Ion Ratio Lower Upper
117 100
119 4.4 76.1 114.1#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 1.316 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.247 min
Lab File: VN084137.D
Acq: 24 Sep 2024 16:19

Tgt Ion: 83 Resp: 3788
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.4#
98 170.1 37.6 56.4#





#43

Isopropyl Acetate

Concen: 0.428 ug/l

RT: 8.682 min Scan# 1145

Delta R.T. -0.006 min

Lab File: VN084137.D

Acq: 24 Sep 2024 16:19

Instrument :

MSVOA_N

ClientSampleId :

RE125D1-20240917

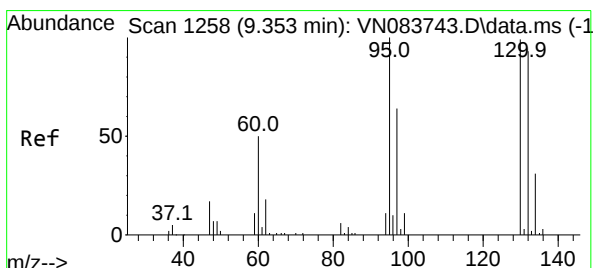
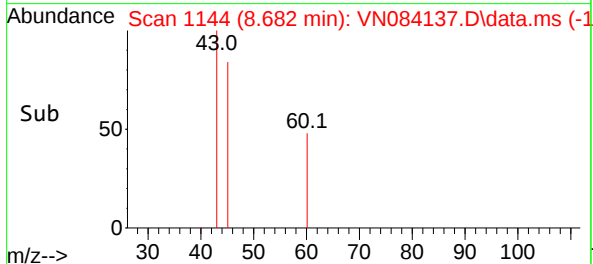
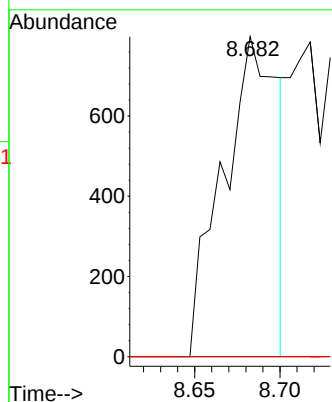
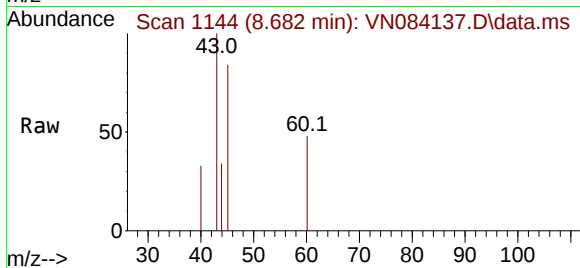
Tgt Ion: 43 Resp: 1780

Ion Ratio Lower Upper

43 100

61 0.0 19.4 29.0#

87 0.0 9.8 14.6#



#44

Trichloroethene

Concen: 146.566 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VN084137.D

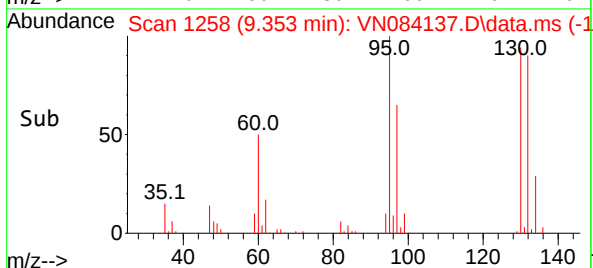
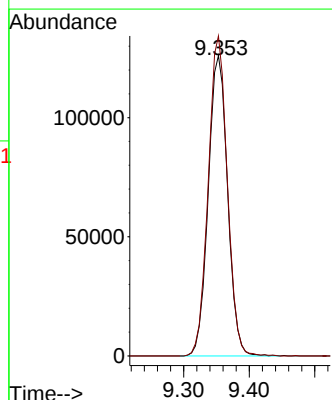
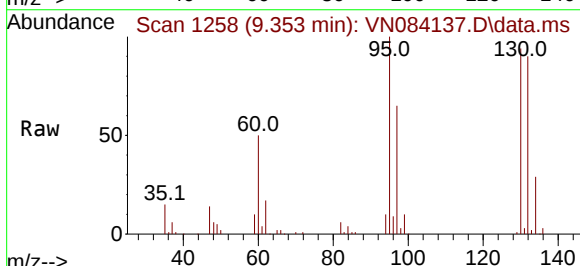
Acq: 24 Sep 2024 16:19

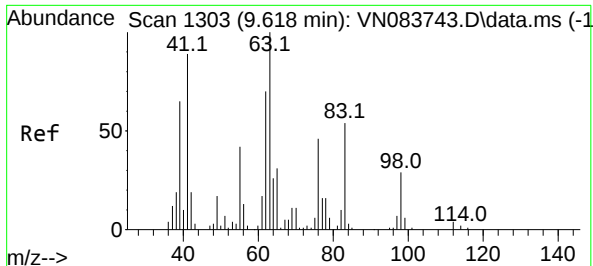
Tgt Ion:130 Resp: 258405

Ion Ratio Lower Upper

130 100

95 106.6 0.0 200.4





#45

1,2-Dichloropropane

Concen: 0.420 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.265 min

Lab File: VN084137.D

Acq: 24 Sep 2024 16:19

Instrument :

MSVOA_N

ClientSampleId :

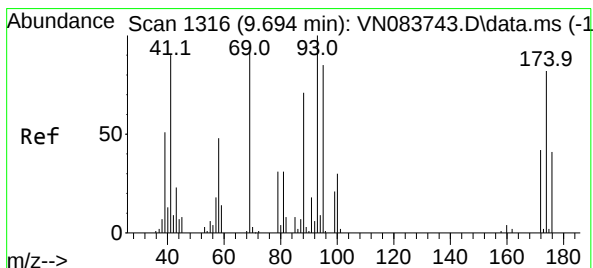
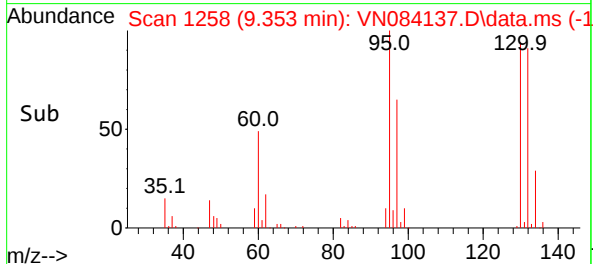
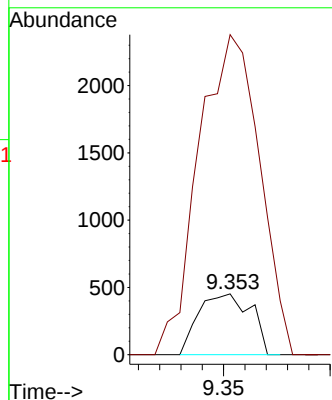
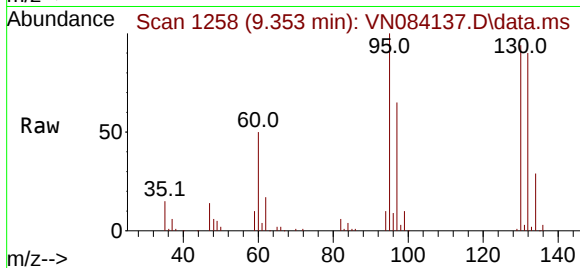
RE125D1-20240917

Tgt Ion: 63 Resp: 772

Ion Ratio Lower Upper

63 100

65 456.9 25.9 38.9#



#49

1,4-Dioxane

Concen: 22.110 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.006 min

Lab File: VN084137.D

Acq: 24 Sep 2024 16:19

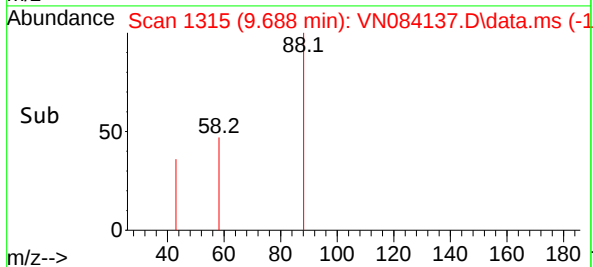
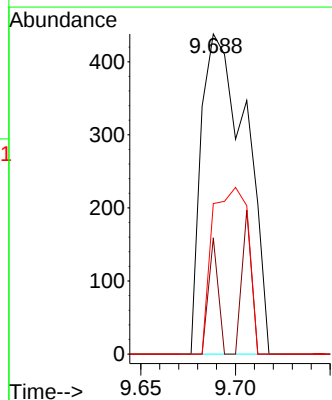
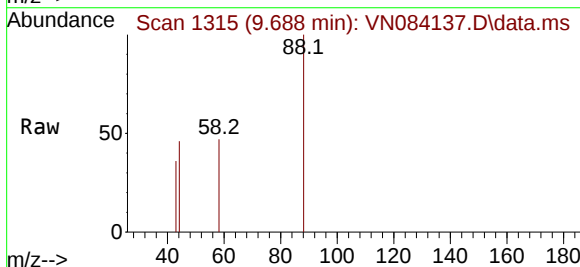
Tgt Ion: 88 Resp: 718

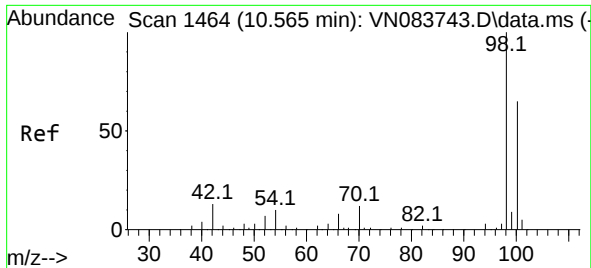
Ion Ratio Lower Upper

88 100

43 7.8 0.0 0.0#

58 0.0 57.1 85.7#

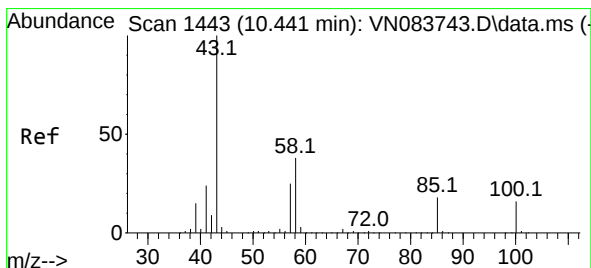
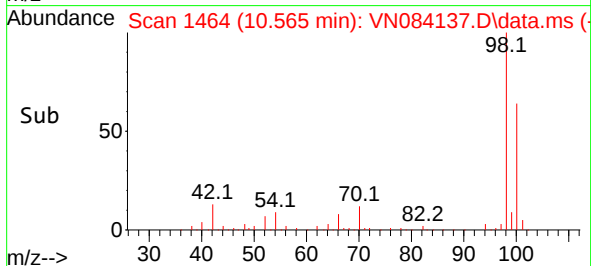
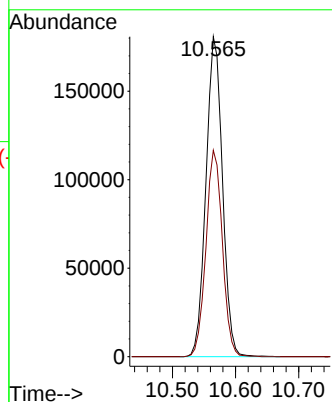
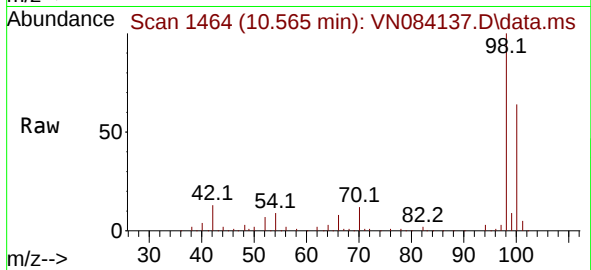




#50
Toluene-d8
Concen: 56.459 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084137.D
Acq: 24 Sep 2024 16:19

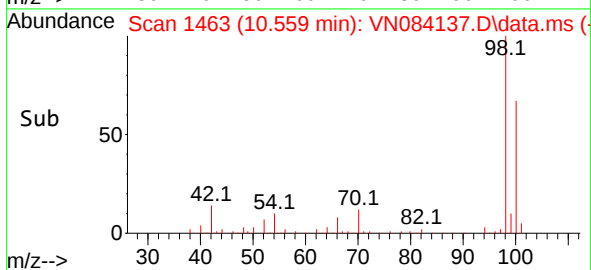
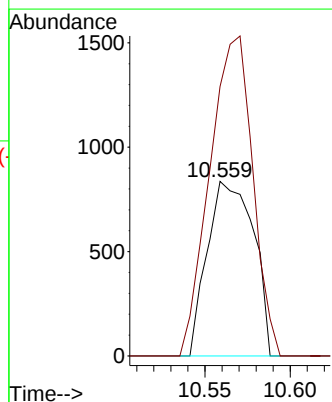
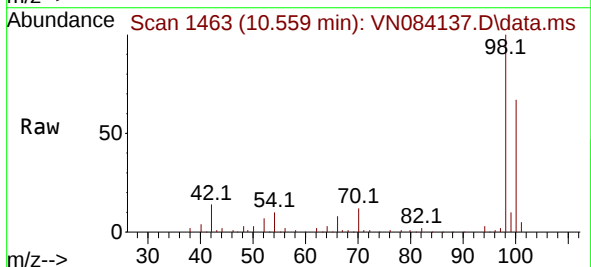
Instrument :
MSVOA_N
ClientSampleId :
RE125D1-20240917

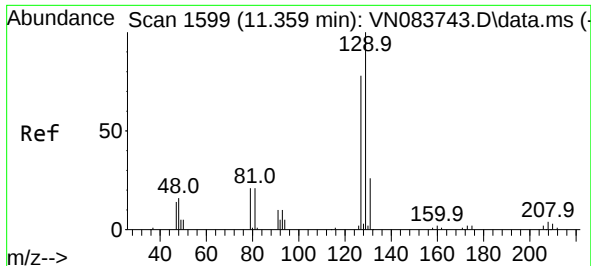
Tgt Ion: 98 Resp: 328013
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.695 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.118 min
Lab File: VN084137.D
Acq: 24 Sep 2024 16:19

Tgt Ion: 43 Resp: 1573
Ion Ratio Lower Upper
43 100
58 171.2 31.6 47.4#

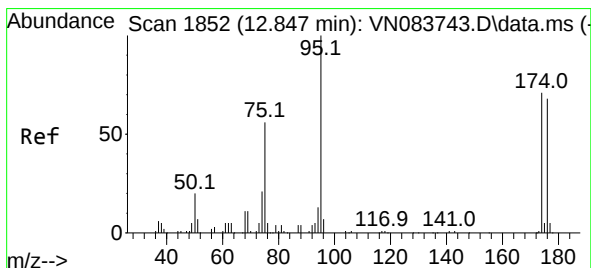
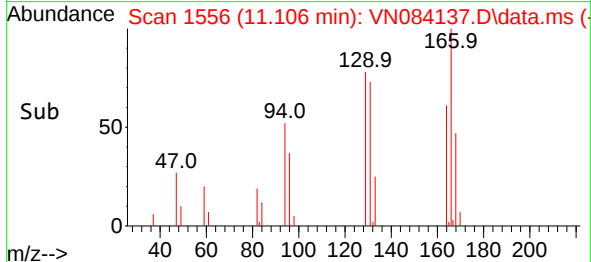
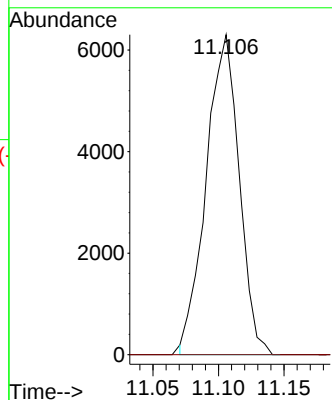
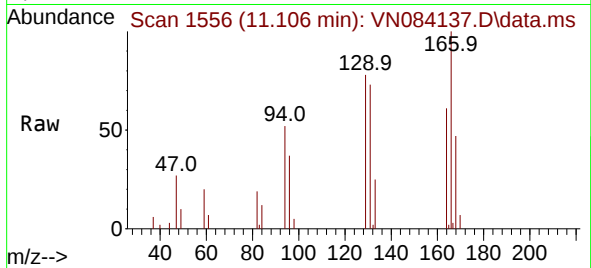




#60
Dibromochloromethane
Concen: 5.670 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN084137.D
Acq: 24 Sep 2024 16:19

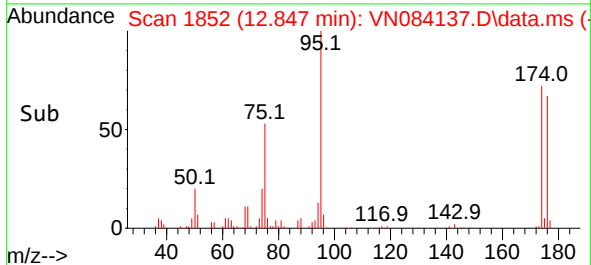
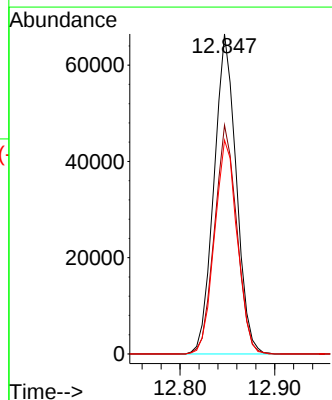
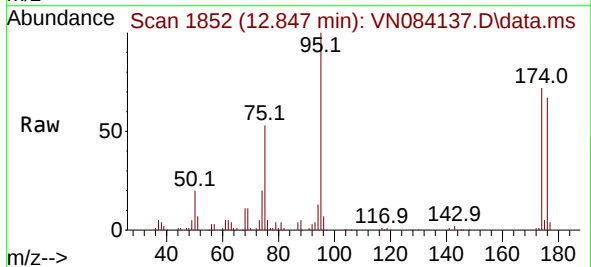
Instrument :
MSVOA_N
ClientSampleId :
RE125D1-20240917

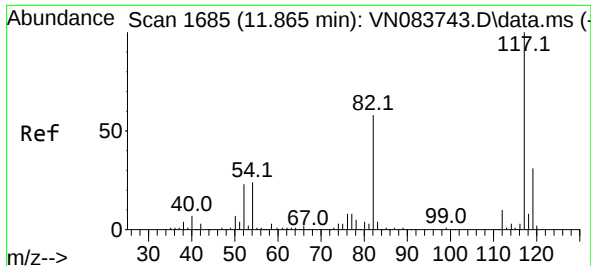
Tgt Ion:129 Resp: 11033
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 45.236 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084137.D
Acq: 24 Sep 2024 16:19

Tgt Ion: 95 Resp: 108429
Ion Ratio Lower Upper
95 100
174 71.7 0.0 139.8
176 68.3 0.0 131.4

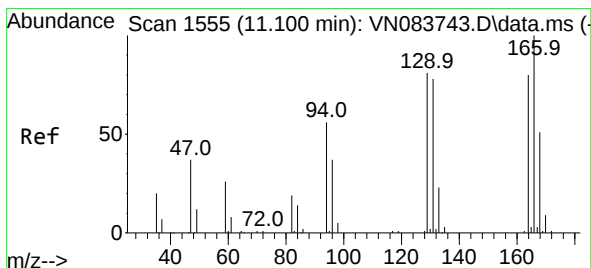
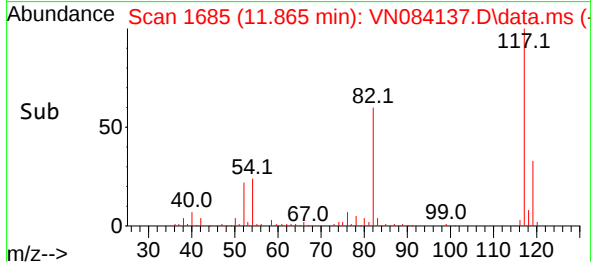
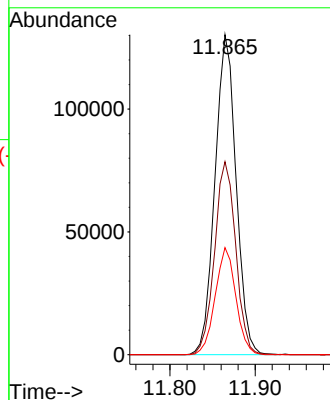
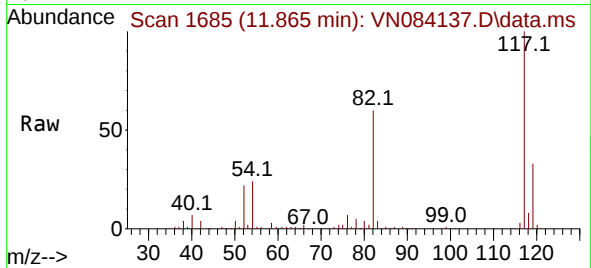




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084137.D
Acq: 24 Sep 2024 16:19

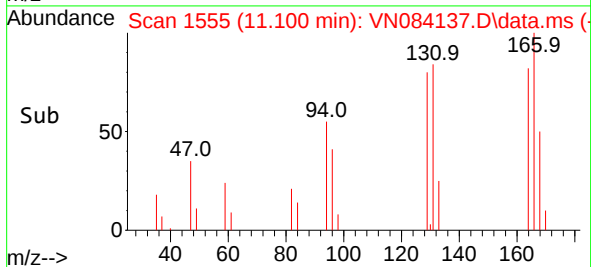
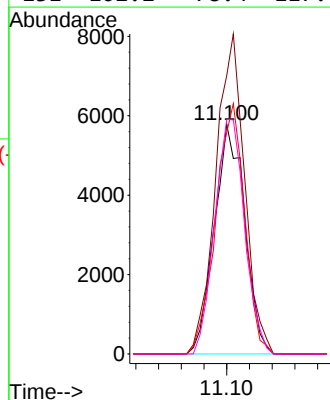
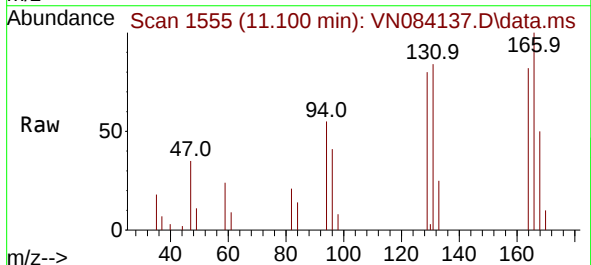
Instrument :
MSVOA_N
ClientSampleId :
RE125D1-20240917

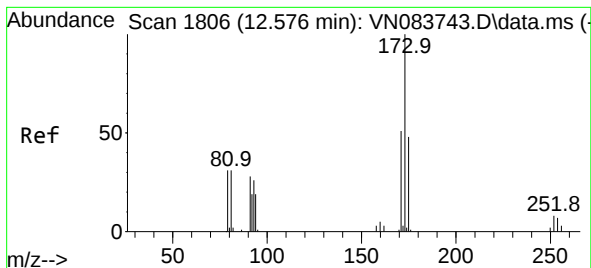
Tgt Ion:117 Resp: 224764
Ion Ratio Lower Upper
117 100
82 60.3 47.4 71.0
119 33.4 26.3 39.5



#64
Tetrachloroethene
Concen: 7.179 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084137.D
Acq: 24 Sep 2024 16:19

Tgt Ion:164 Resp: 10731
Ion Ratio Lower Upper
164 100
166 121.4 103.7 155.5
129 96.6 79.9 119.9
131 102.2 78.4 117.6





#71

Bromoform

Concen: 0.531 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN084137.D

Acq: 24 Sep 2024 16:19

Instrument :

MSVOA_N

ClientSampleId :

RE125D1-20240917

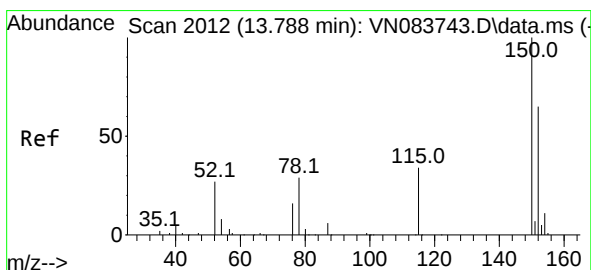
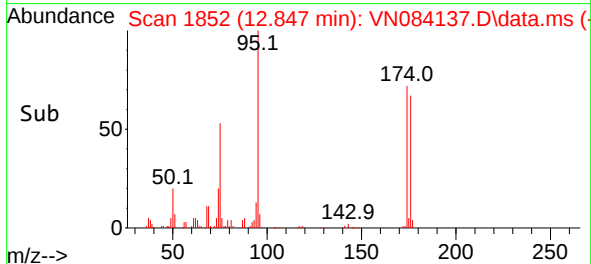
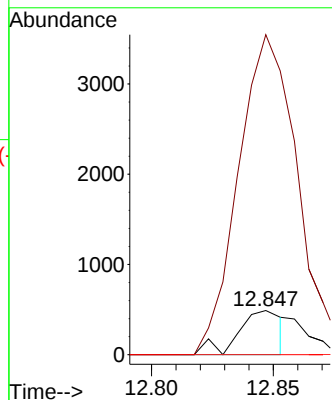
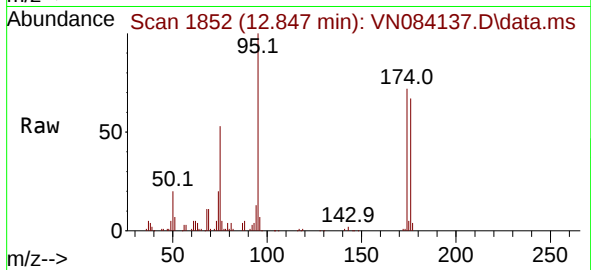
Tgt Ion:173 Resp: 620

Ion Ratio Lower Upper

173 100

175 726.0 24.1 72.2#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN084137.D

Acq: 24 Sep 2024 16:19

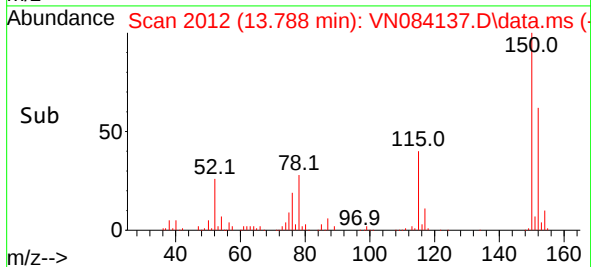
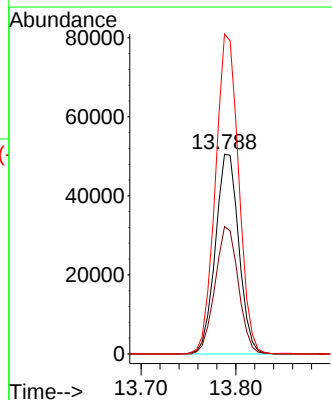
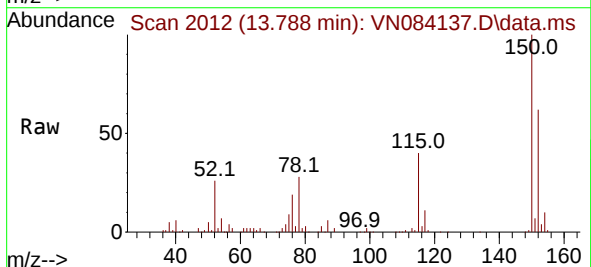
Tgt Ion:152 Resp: 86841

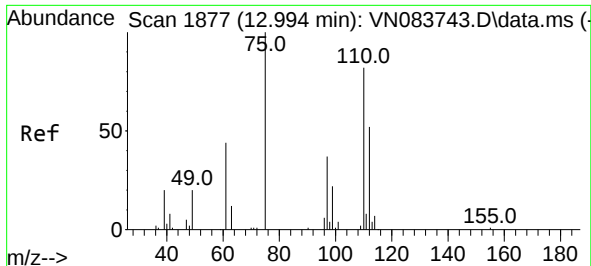
Ion Ratio Lower Upper

152 100

115 63.5 32.2 96.6

150 159.1 0.0 348.6

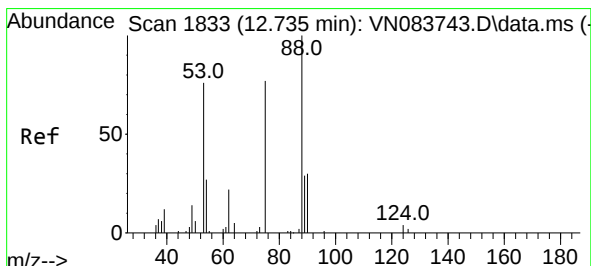
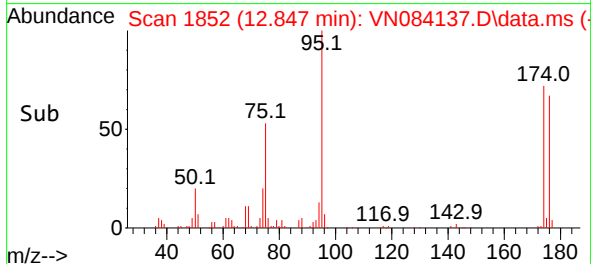
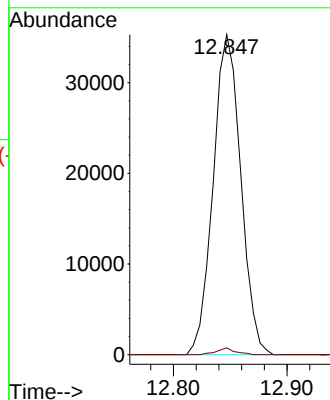
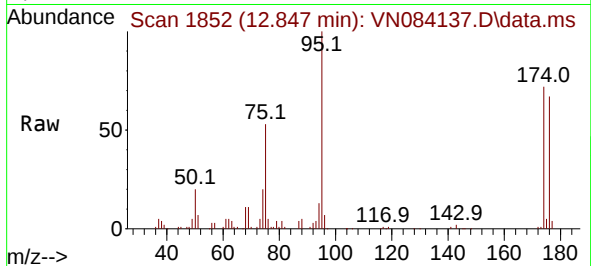




#76
1,2,3-Trichloropropane
Concen: 34.019 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084137.D
Acq: 24 Sep 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :
RE125D1-20240917

Tgt Ion: 75 Resp: 59610
Ion Ratio Lower Upper
75 100
77 1.4 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.097 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084137.D
Acq: 24 Sep 2024 16:19

Tgt Ion: 75 Resp: 59610
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

