

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100224\
 Data File : VN084276.D
 Acq On : 02 Oct 2024 19:45
 Operator : JC\MD
 Sample : P4226-21
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20240926

Quant Time: Oct 03 02:04:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

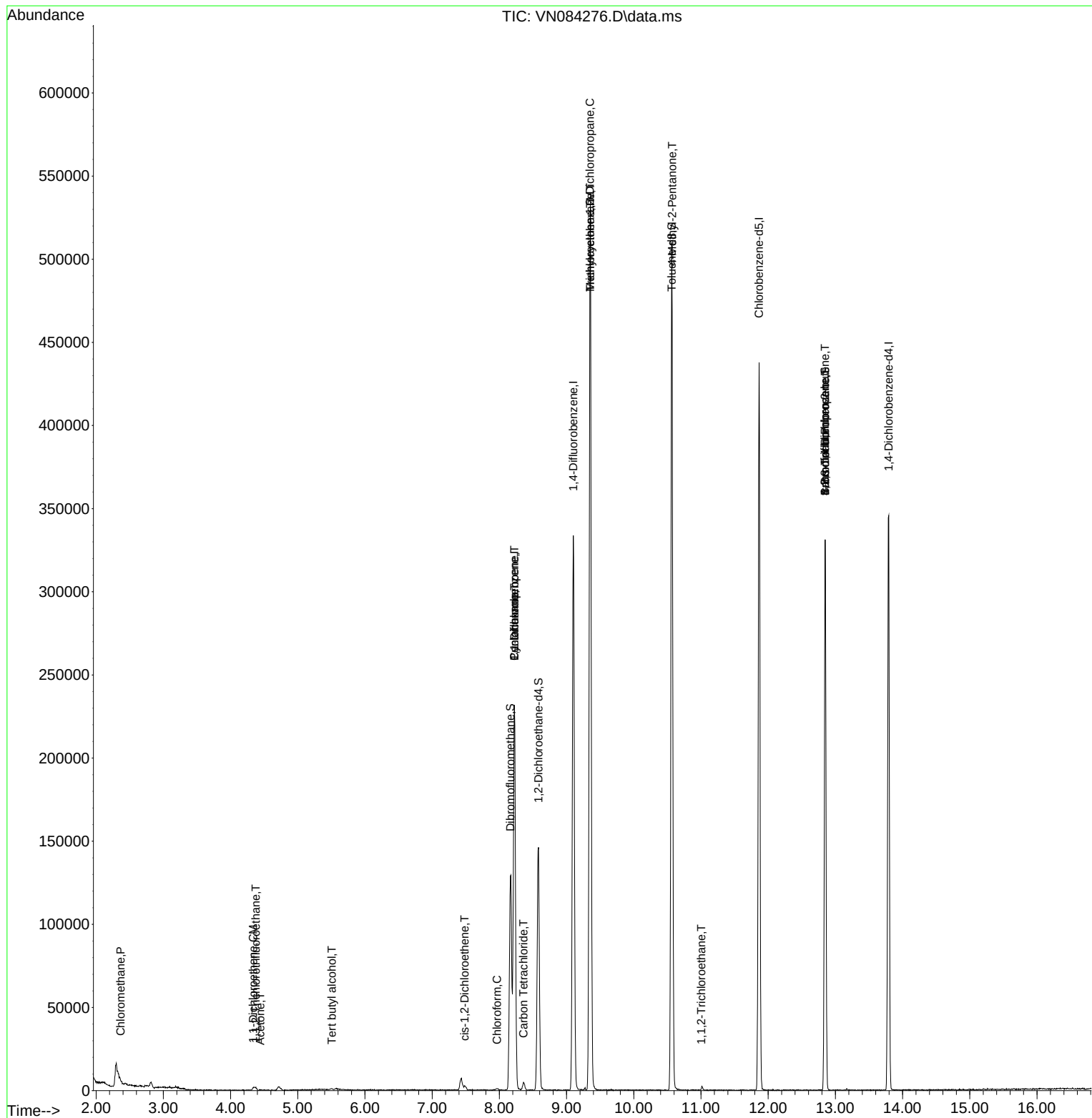
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	161178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	283163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	246628	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	93909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	122518	51.268	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.540%	
35) Dibromofluoromethane	8.165	113	95722	51.276	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.560%	
50) Toluene-d8	10.565	98	347065	50.533	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.060%	
62) 4-Bromofluorobenzene	12.847	95	113032	45.175	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 90.340%	
Target Compounds						Qvalue
3) Chloromethane	2.365	50	513	0.236	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	4.377	101	1010	0.537	ug/l #	74
11) Tert butyl alcohol	5.506	59	223	0.566	ug/l #	73
12) 1,1-Dichloroethene	4.336	96	959	0.528	ug/l #	84
16) Acetone	4.442	43	302	0.294	ug/l #	44
27) cis-1,2-Dichloroethene	7.483	96	1731	0.753	ug/l	78
30) Chloroform	7.965	83	1185	0.313	ug/l	97
31) Cyclohexane	8.224	56	4095	1.157	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14459	5.332	ug/l #	52
38) Carbon Tetrachloride	8.359	117	3607	1.213	ug/l #	93
39) Methylcyclohexane	9.353	83	2551	0.845	ug/l #	1
44) Trichloroethene	9.353	130	188405	95.482	ug/l	98
45) 1,2-Dichloropropane	9.347	63	612	0.306	ug/l #	1
51) 4-Methyl-2-Pentanone	10.571	43	1685	0.636	ug/l #	1
55) 1,1,2-Trichloroethane	11.006	97	740	0.401	ug/l #	15
71) Bromoform	12.847	173	700	0.505	ug/l #	30
76) 1,2,3-Trichloropropane	12.847	75	61199	31.921	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61199	76.530	ug/l #	11

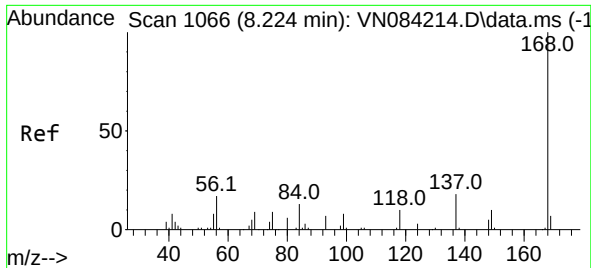
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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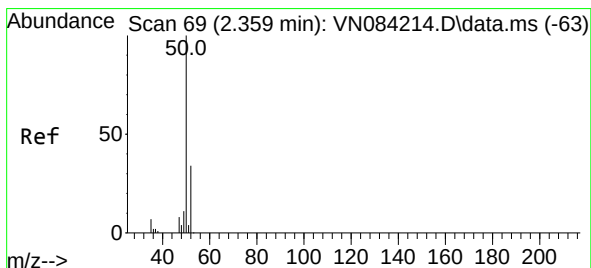
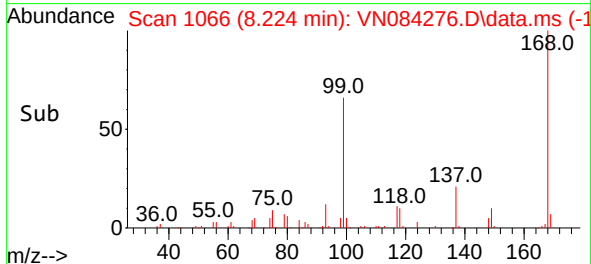
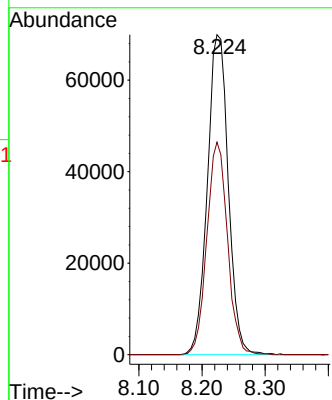
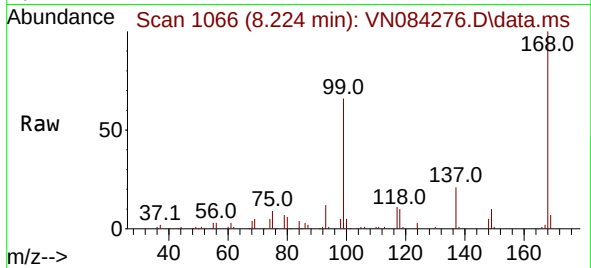




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084276.D
Acq: 02 Oct 2024 19:45

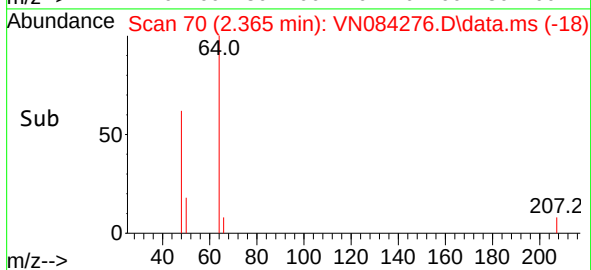
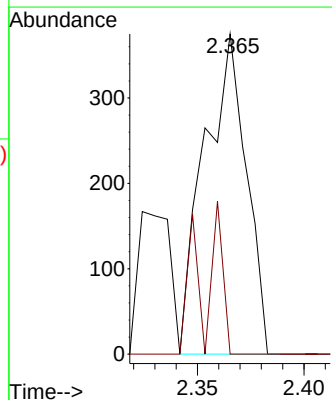
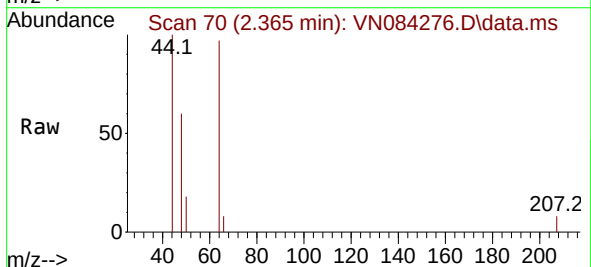
Instrument :
MSVOA_N
ClientSampleId :
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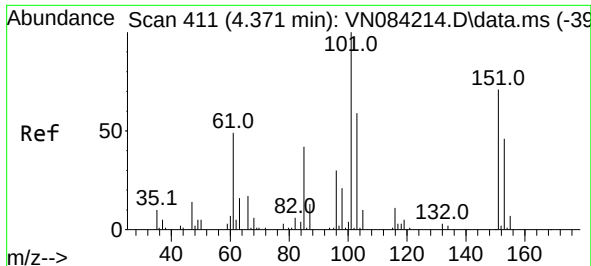
Tgt Ion:168 Resp: 161178
Ion Ratio Lower Upper
168 100
99 66.4 54.2 81.2



#3
Chloromethane
Concen: 0.236 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084276.D
Acq: 02 Oct 2024 19:45

Tgt Ion: 50 Resp: 513
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

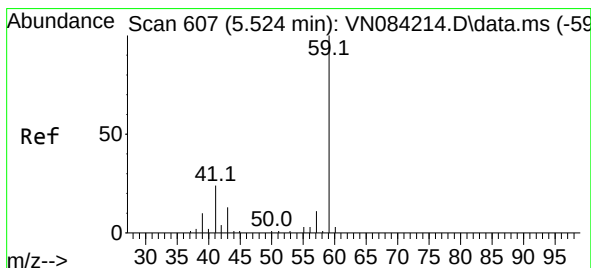
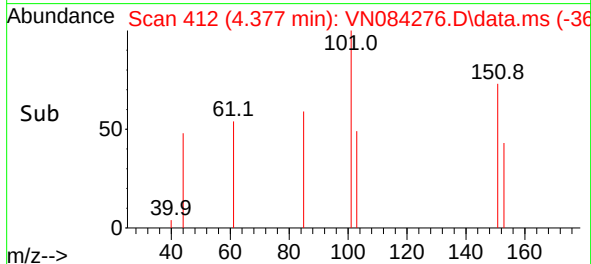
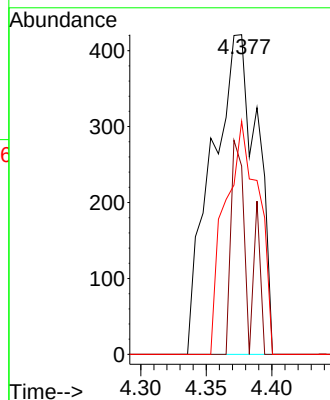
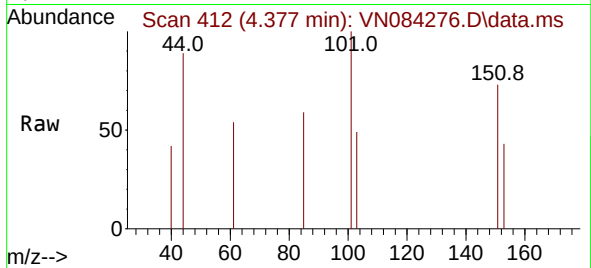




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.537 ug/l
RT: 4.377 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN084276.D
Acq: 02 Oct 2024 19:45

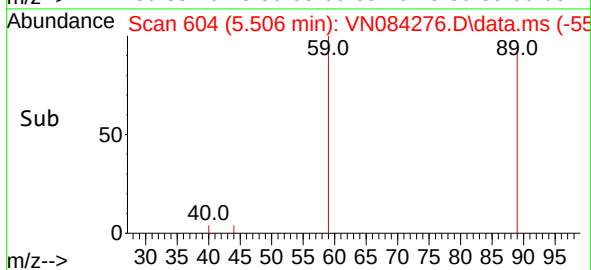
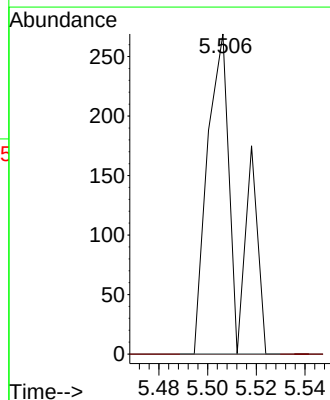
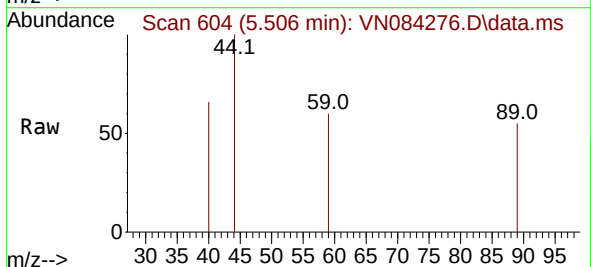
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20240926

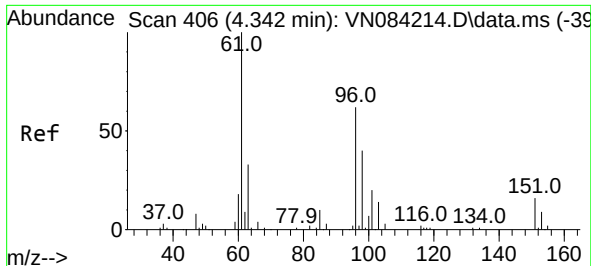
Tgt Ion:101 Resp: 1010
Ion Ratio Lower Upper
101 100
85 25.5 36.2 54.4#
151 54.3 59.3 88.9#



#11
Tert butyl alcohol
Concen: 0.566 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.018 min
Lab File: VN084276.D
Acq: 02 Oct 2024 19:45

Tgt Ion: 59 Resp: 223
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#12

1,1-Dichloroethene

Concen: 0.528 ug/l

RT: 4.336 min Scan# 406

Delta R.T. -0.006 min

Lab File: VN084276.D

Acq: 02 Oct 2024 19:45

Instrument :

MSVOA_N

ClientSampleId :

RE117D1-20240926

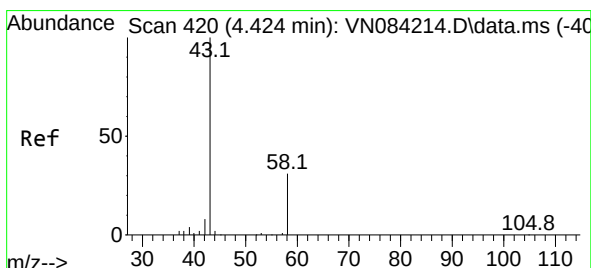
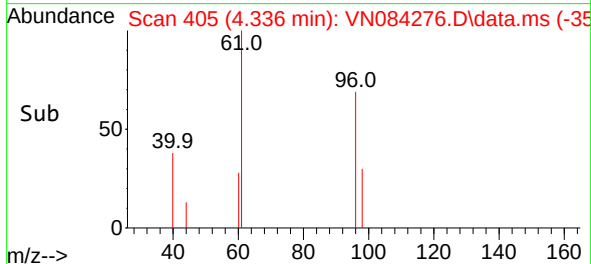
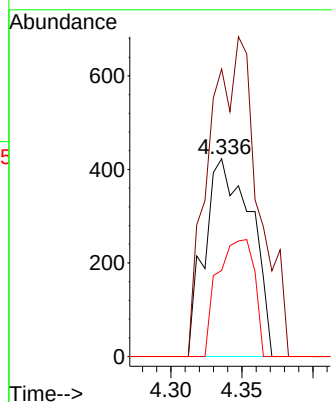
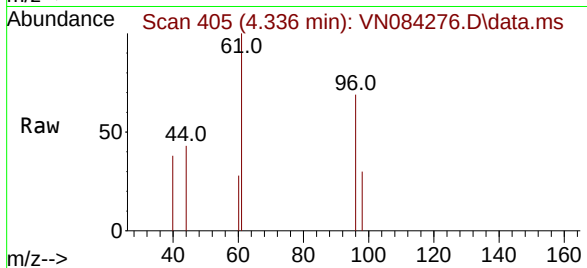
Tgt Ion: 96 Resp: 959

Ion Ratio Lower Upper

96 100

61 145.4 128.6 192.8

98 43.5 51.7 77.5#



#16

Acetone

Concen: 0.294 ug/l

RT: 4.442 min Scan# 423

Delta R.T. 0.018 min

Lab File: VN084276.D

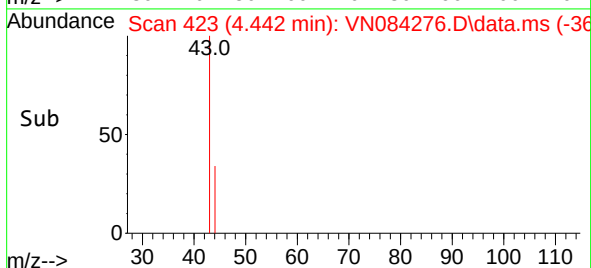
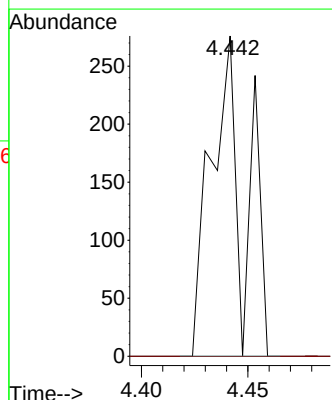
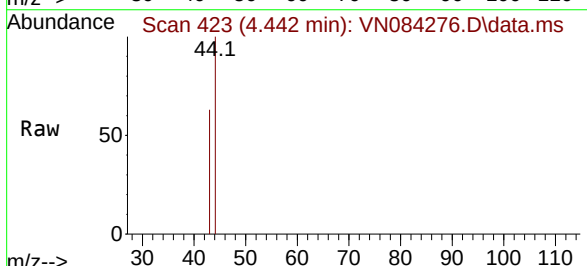
Acq: 02 Oct 2024 19:45

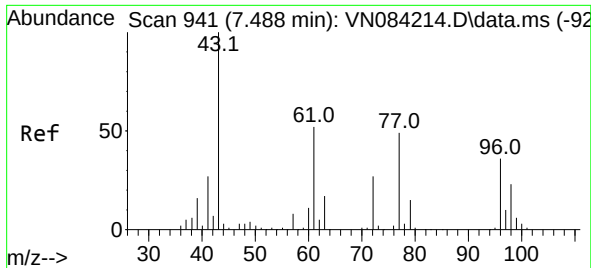
Tgt Ion: 43 Resp: 302

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#

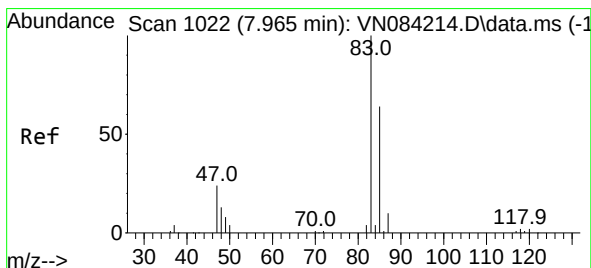
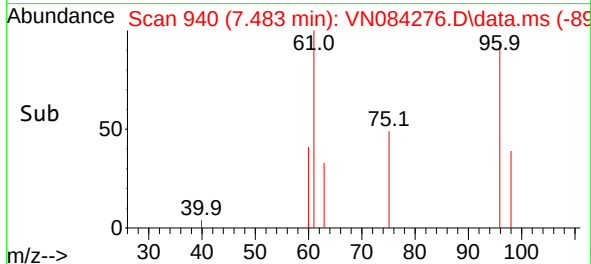
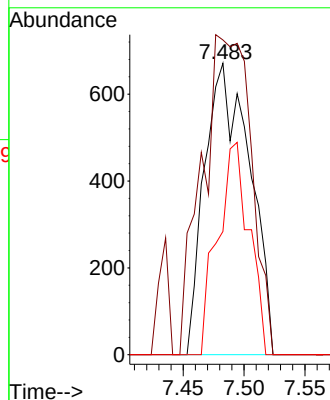
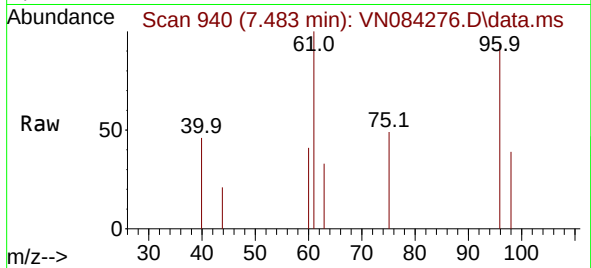




#27
 cis-1,2-Dichloroethene
 Concen: 0.753 ug/l
 RT: 7.483 min Scan# 941
 Delta R.T. -0.006 min
 Lab File: VN084276.D
 Acq: 02 Oct 2024 19:45

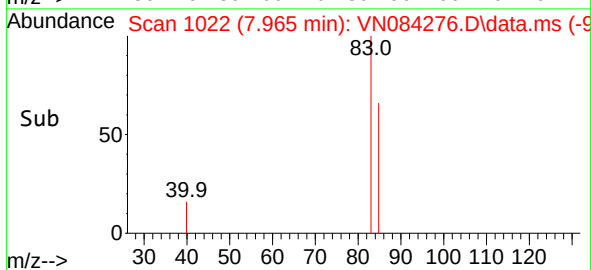
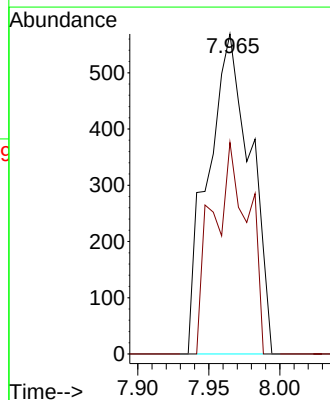
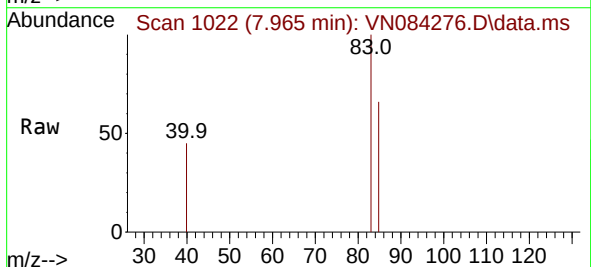
Instrument :
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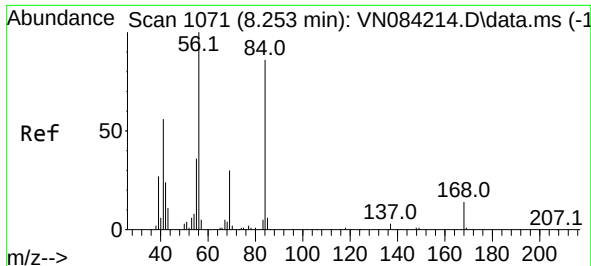
Tgt Ion: 96	Resp: 1731
Ion Ratio	Lower Upper
96 100	
61 119.9	0.0 301.8
98 50.8	0.0 128.2



#30
 Chloroform
 Concen: 0.313 ug/l
 RT: 7.965 min Scan# 1022
 Delta R.T. 0.000 min
 Lab File: VN084276.D
 Acq: 02 Oct 2024 19:45

Tgt Ion: 83	Resp: 1185		
Ion Ratio	Lower	Upper	
83 100			
85 66.1	51.0	76.4	

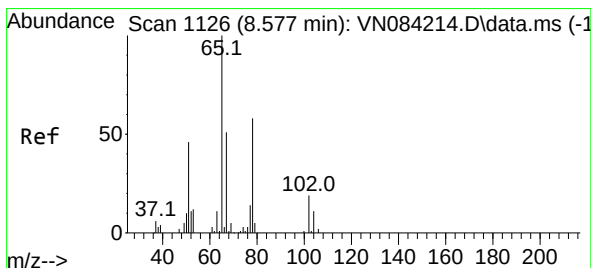
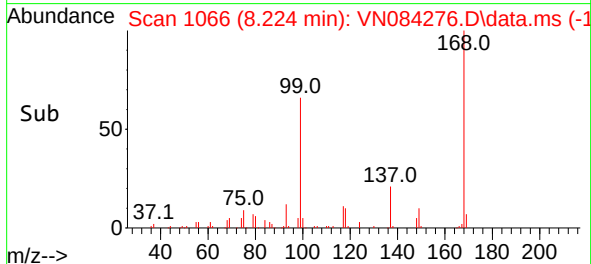
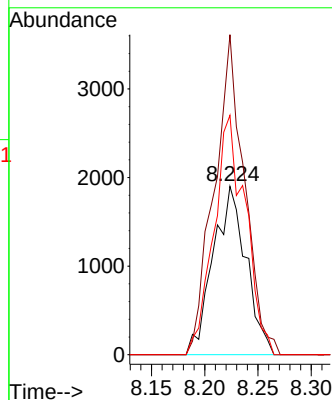
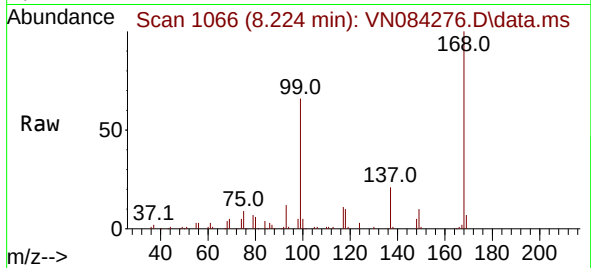




#31
Cyclohexane
Concen: 1.157 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084276.D
Acq: 02 Oct 2024 19:45

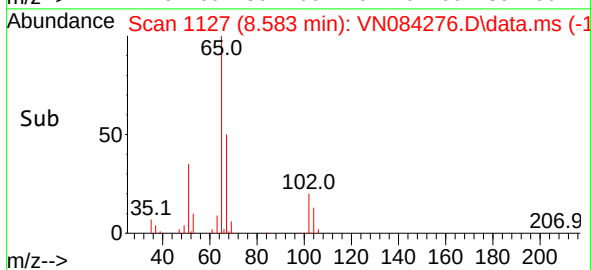
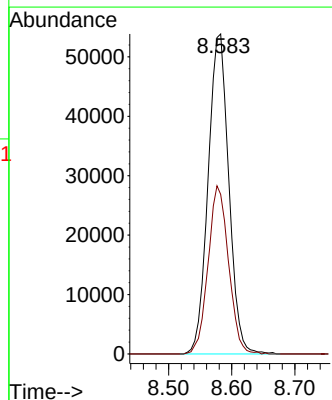
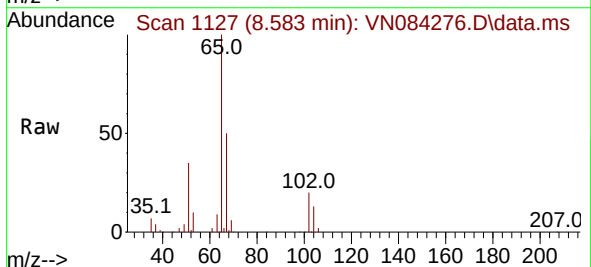
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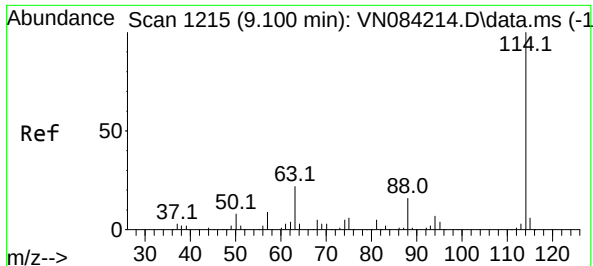
Tgt Ion: 56 Resp: 4095
Ion Ratio Lower Upper
56 100
69 190.1 23.8 35.6#
84 142.1 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 51.268 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN084276.D
Acq: 02 Oct 2024 19:45

Tgt Ion: 65 Resp: 122518
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.0

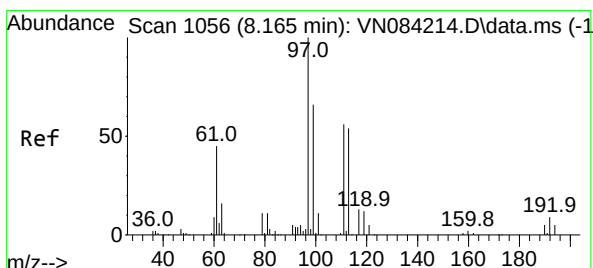
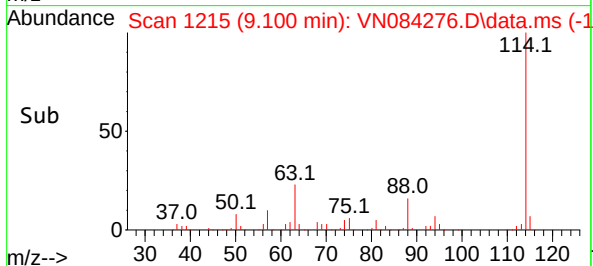
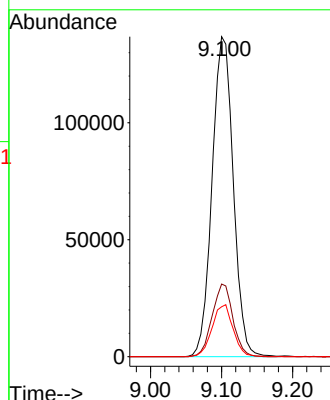
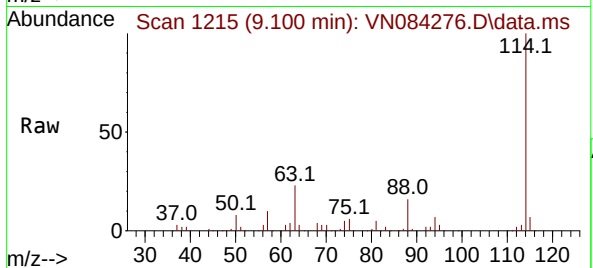




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084276.D
Acq: 02 Oct 2024 19:45

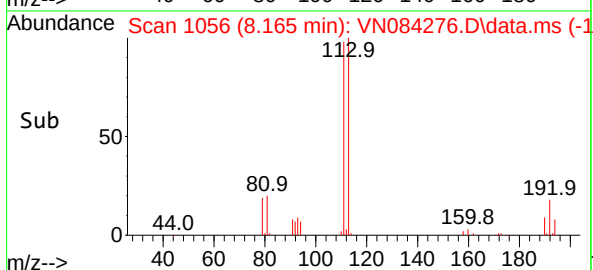
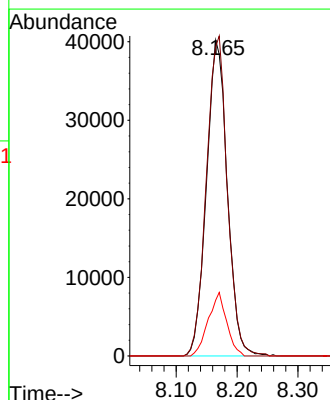
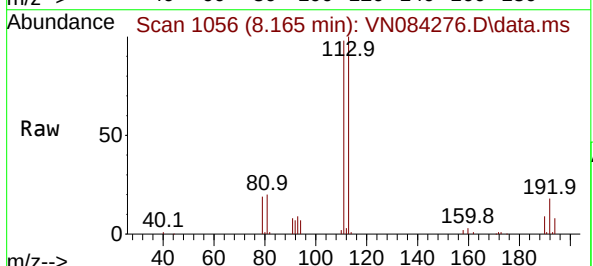
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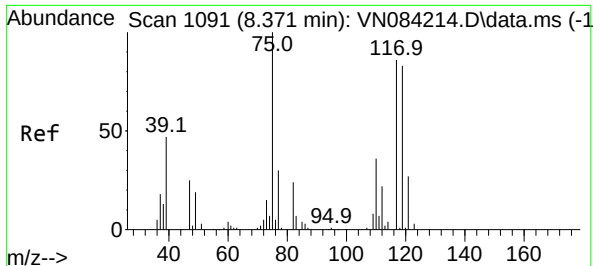
Tgt Ion:114 Resp: 283163
Ion Ratio Lower Upper
114 100
63 22.7 0.0 43.8
88 15.6 0.0 31.6



#35
Dibromofluoromethane
Concen: 51.276 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084276.D
Acq: 02 Oct 2024 19:45

Tgt Ion:113 Resp: 95722
Ion Ratio Lower Upper
113 100
111 101.7 83.3 124.9
192 17.8 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.332 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN084276.D

Acq: 02 Oct 2024 19:45

Instrument :

MSVOA_N

ClientSampleId :

RE117D1-20240926

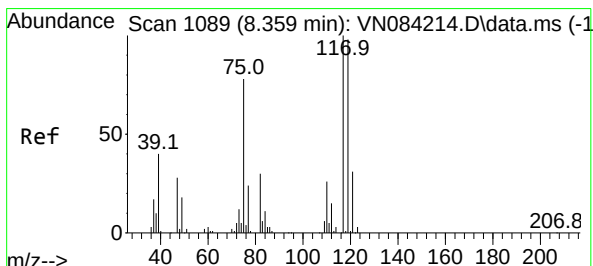
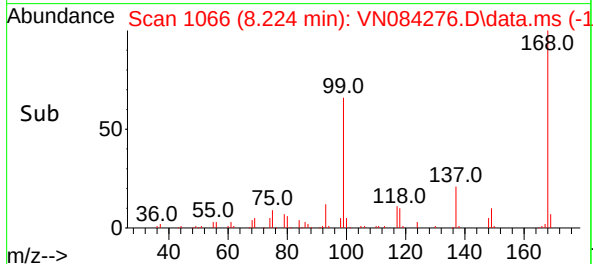
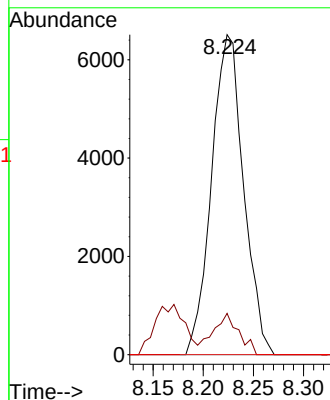
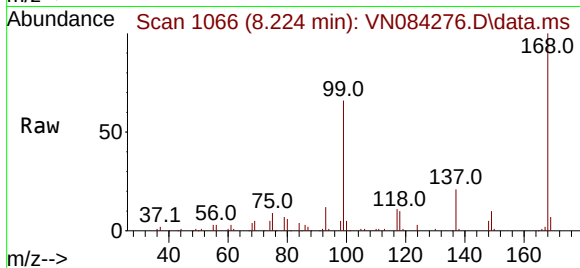
Tgt Ion: 75 Resp: 14459

Ion Ratio Lower Upper

75 100

110 10.4 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 1.213 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VN084276.D

Acq: 02 Oct 2024 19:45

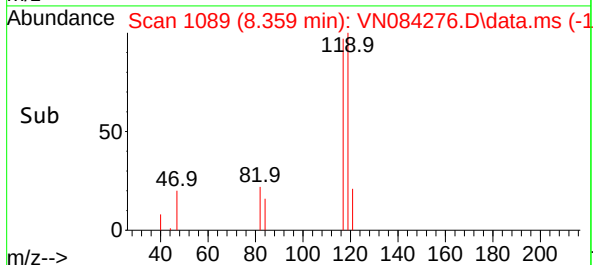
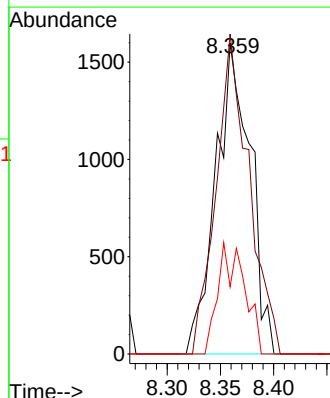
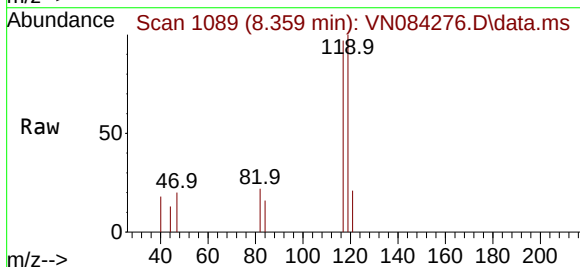
Tgt Ion: 117 Resp: 3607

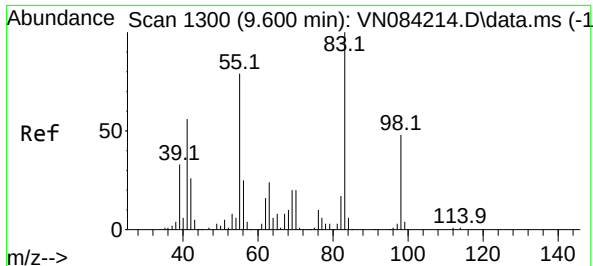
Ion Ratio Lower Upper

117 100

119 102.9 78.7 118.1

121 21.6 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.845 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.247 min

Lab File: VN084276.D

Acq: 02 Oct 2024 19:45

Instrument :

MSVOA_N

ClientSampleId :

RE117D1-20240926

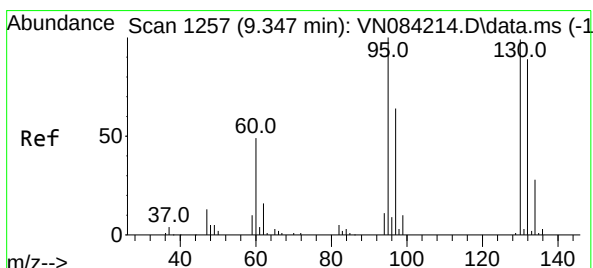
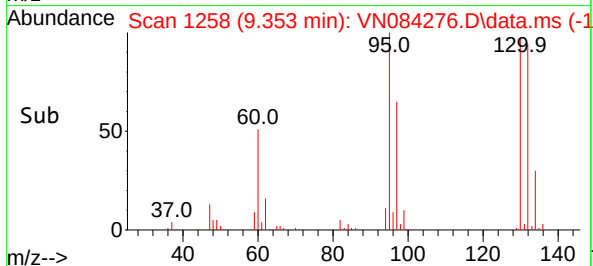
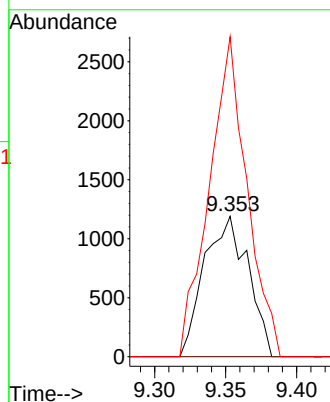
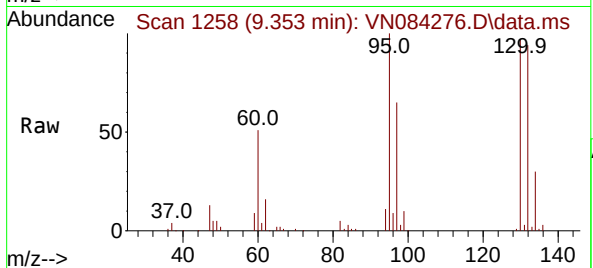
Tgt Ion: 83 Resp: 2551

Ion Ratio Lower Upper

83 100

55 0.0 62.8 94.2#

98 228.0 38.8 58.2#



#44

Trichloroethene

Concen: 95.482 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.006 min

Lab File: VN084276.D

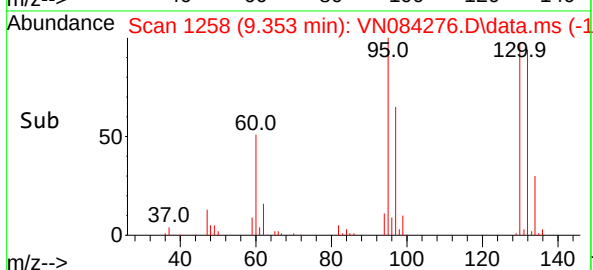
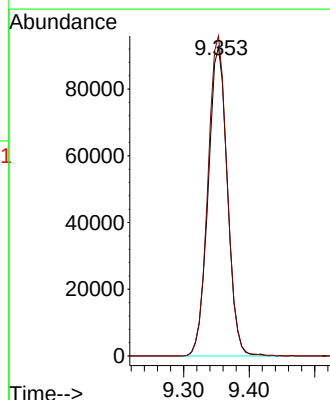
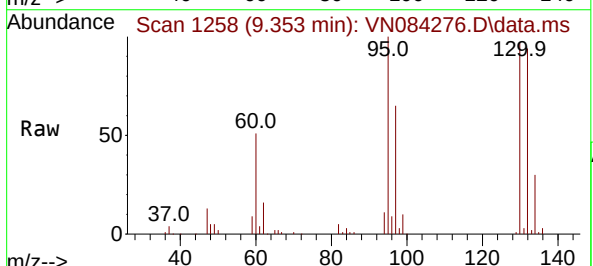
Acq: 02 Oct 2024 19:45

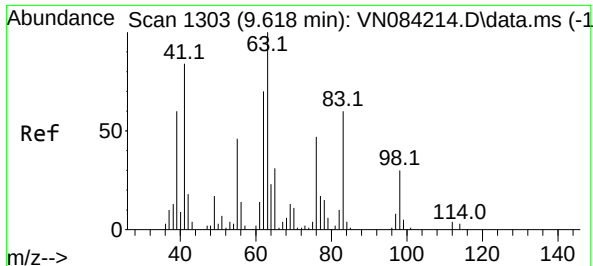
Tgt Ion:130 Resp: 188405

Ion Ratio Lower Upper

130 100

95 103.6 0.0 203.0

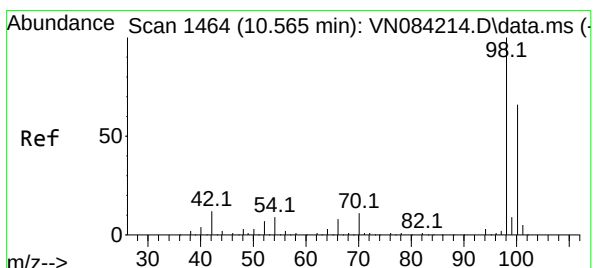
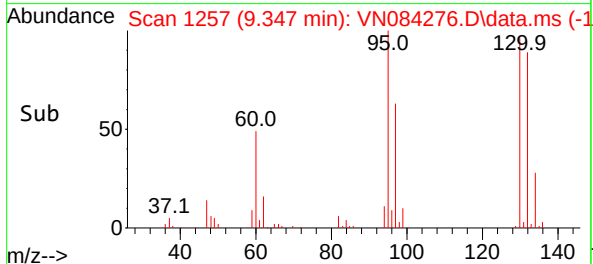
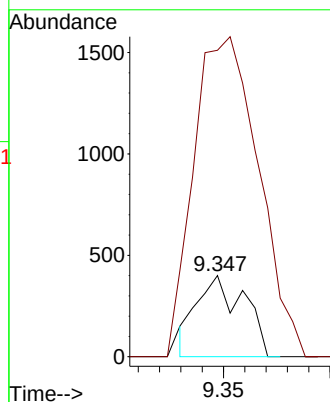
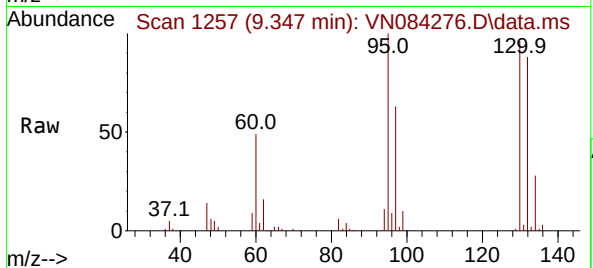




#45
1,2-Dichloropropane
Concen: 0.306 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.271 min
Lab File: VN084276.D
Acq: 02 Oct 2024 19:45

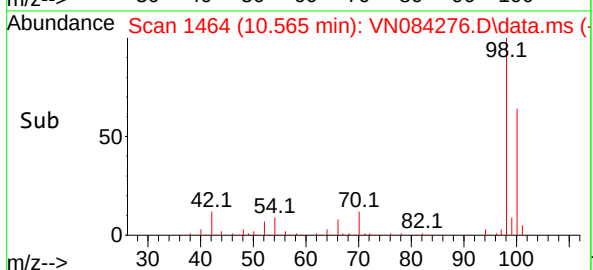
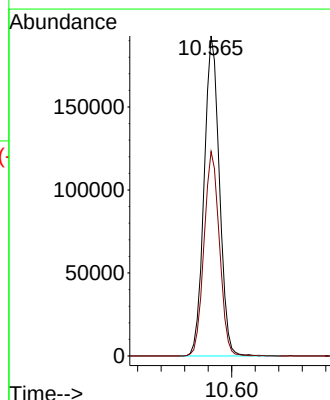
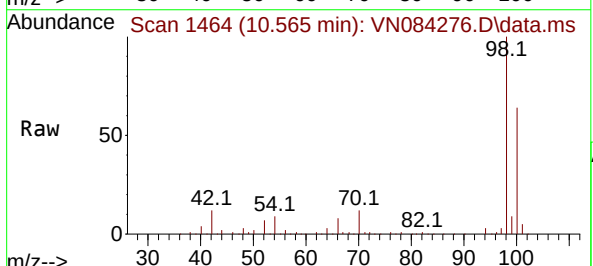
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20240926

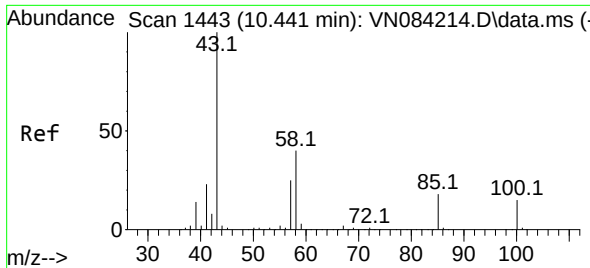
Tgt Ion: 63 Resp: 612
Ion Ratio Lower Upper
63 100
65 305.5 24.6 37.0#



#50
Toluene-d8
Concen: 50.533 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084276.D
Acq: 02 Oct 2024 19:45

Tgt Ion: 98 Resp: 347065
Ion Ratio Lower Upper
98 100
100 64.2 52.7 79.1

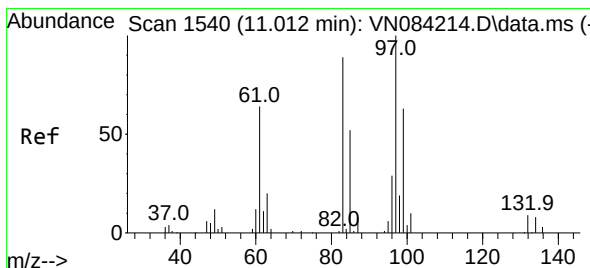
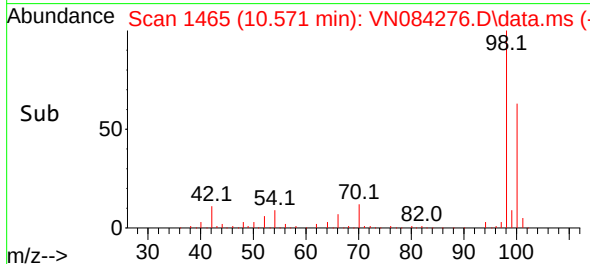
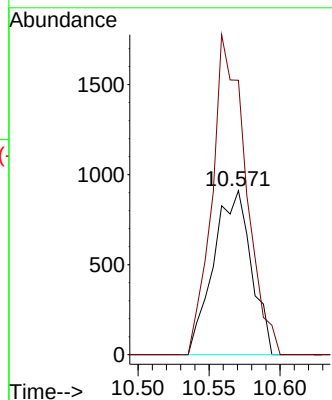
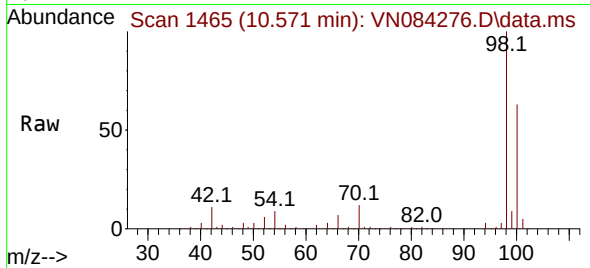




#51
4-Methyl-2-Pentanone
Concen: 0.636 ug/l
RT: 10.571 min Scan# 14
Delta R.T. 0.129 min
Lab File: VN084276.D
Acq: 02 Oct 2024 19:45

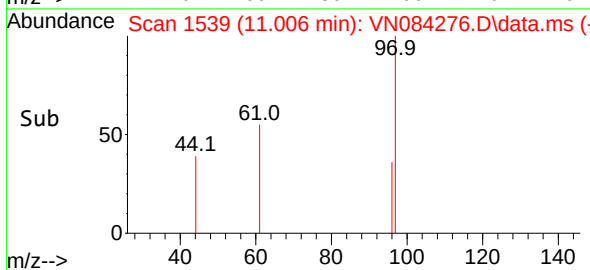
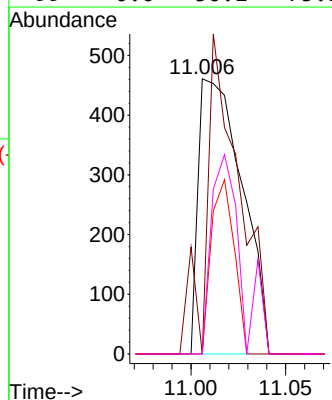
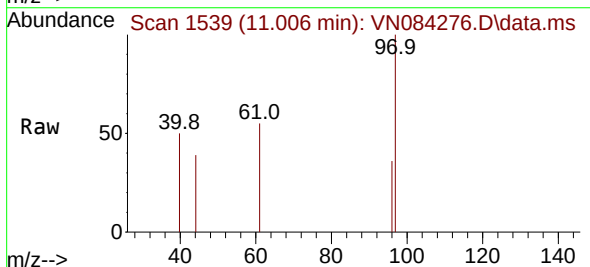
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20240926

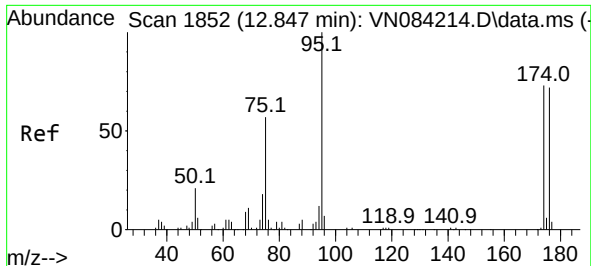
Tgt Ion: 43 Resp: 1685
Ion Ratio Lower Upper
43 100
58 173.8 31.6 47.4#



#55
1,1,2-Trichloroethane
Concen: 0.401 ug/l
RT: 11.006 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VN084276.D
Acq: 02 Oct 2024 19:45

Tgt Ion: 97 Resp: 740
Ion Ratio Lower Upper
97 100
83 0.0 71.0 106.4#
85 0.0 41.7 62.5#
99 0.0 50.1 75.1#

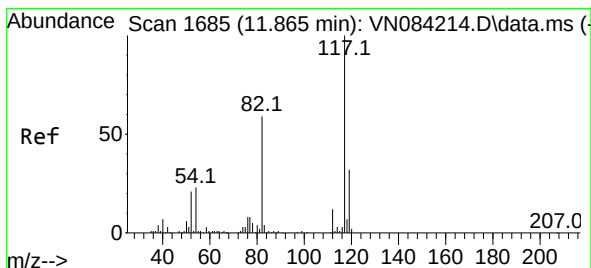
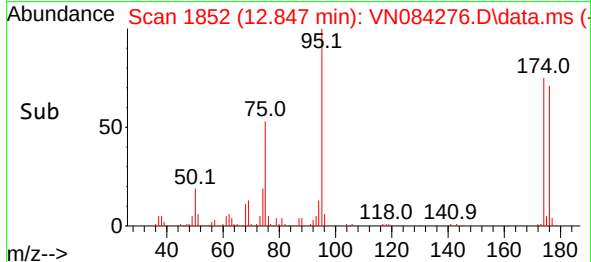
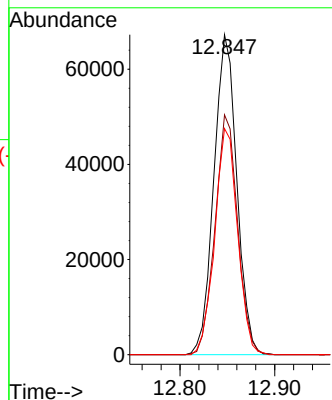
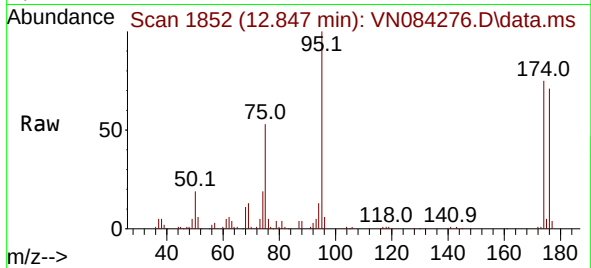




#62
4-Bromofluorobenzene
Concen: 45.175 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084276.D
Acq: 02 Oct 2024 19:45

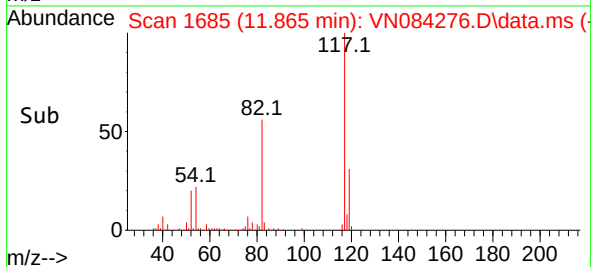
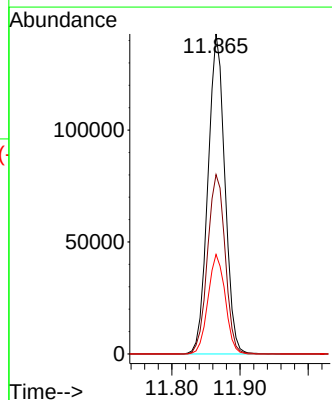
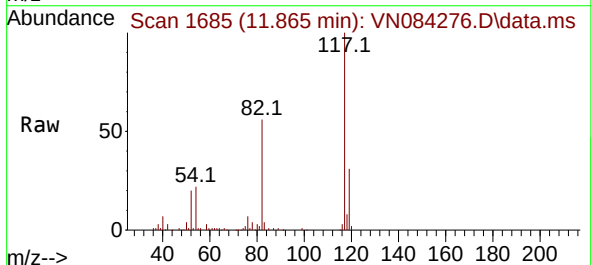
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20240926

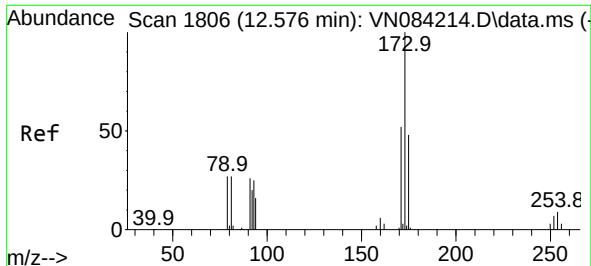
Tgt Ion: 95 Resp: 113032
Ion Ratio Lower Upper
95 100
174 74.2 0.0 145.2
176 70.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084276.D
Acq: 02 Oct 2024 19:45

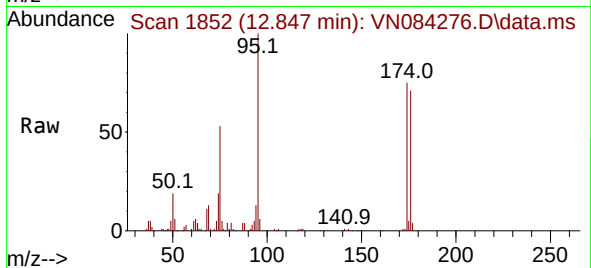
Tgt Ion: 117 Resp: 246628
Ion Ratio Lower Upper
117 100
82 56.0 47.2 70.8
119 31.1 25.4 38.0



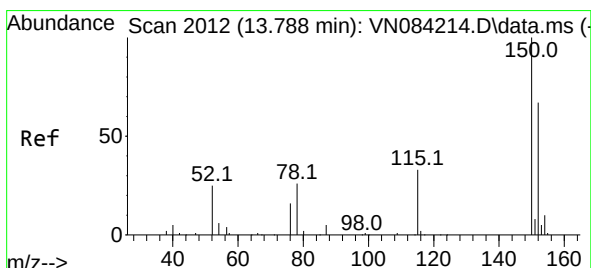
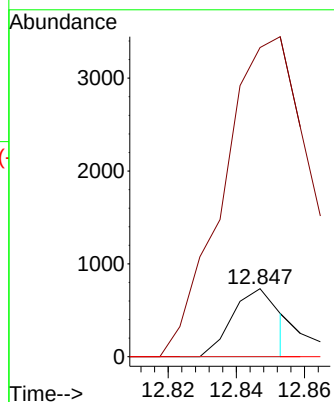
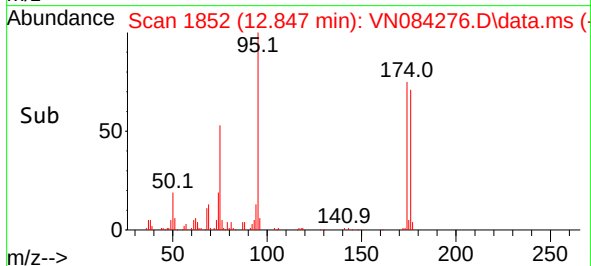


#71
Bromoform
Concen: 0.505 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.271 min
Lab File: VN084276.D
Acq: 02 Oct 2024 19:45

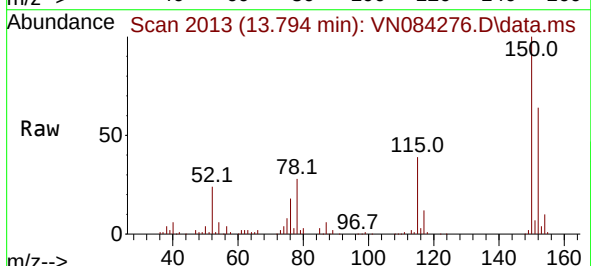
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20240926



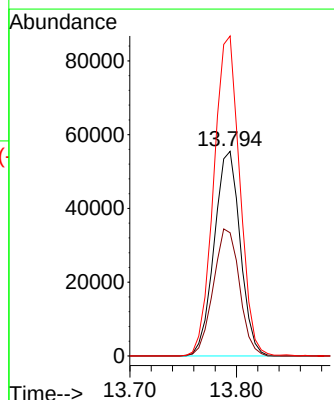
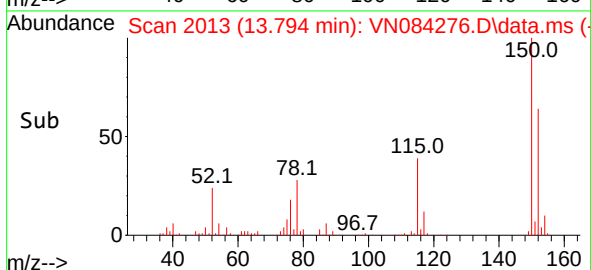
Tgt Ion:173 Resp: 700
Ion Ratio Lower Upper
173 100
175 0.0 23.5 70.6#
254 0.0 0.0 0.0

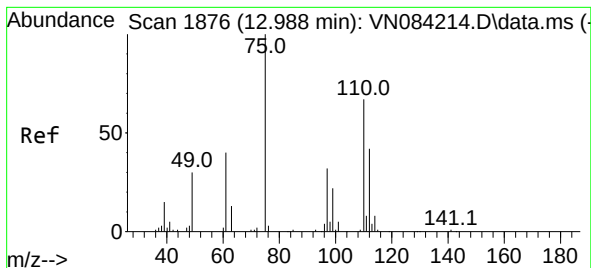


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084276.D
Acq: 02 Oct 2024 19:45



Tgt Ion:152 Resp: 93909
Ion Ratio Lower Upper
152 100
115 62.6 31.3 93.9
150 156.7 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 31.921 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084276.D

Acq: 02 Oct 2024 19:45

Instrument :

MSVOA_N

ClientSampleId :

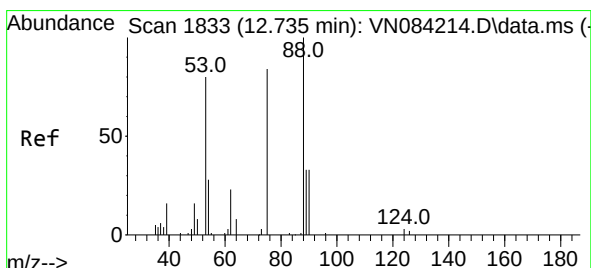
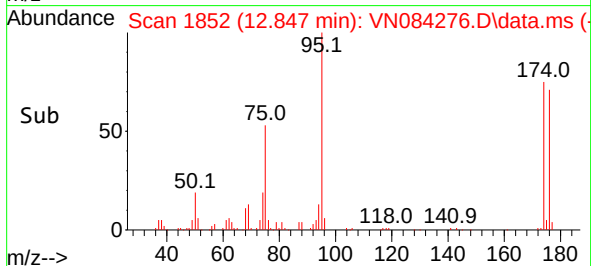
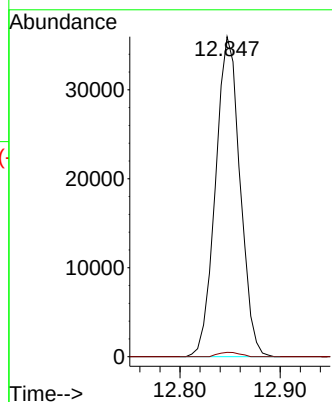
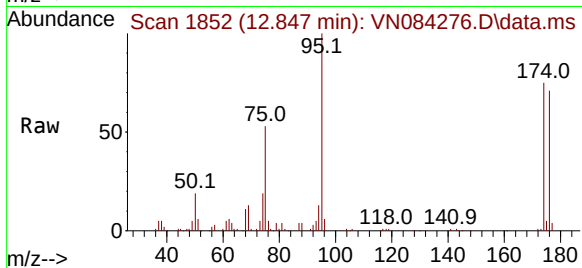
RE117D1-20240926

Tgt Ion: 75 Resp: 61199

Ion Ratio Lower Upper

75 100

77 1.2 96.9 290.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.530 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084276.D

Acq: 02 Oct 2024 19:45

Tgt Ion: 75 Resp: 61199

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 35.5 53.3#

