

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
 Data File : VN083464.D
 Acq On : 23 Aug 2024 16:44
 Operator : JC\MD
 Sample : P3716-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 24 00:04:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

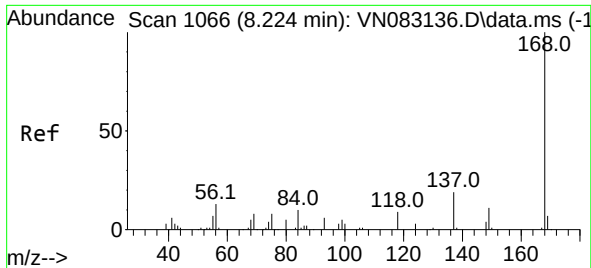
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.218	168	125410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	263154	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	103997	58.259	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.520%	
35) Dibromofluoromethane	8.165	113	82856	50.443	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.880%	
50) Toluene-d8	10.565	98	295484	48.226	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.460%	
62) 4-Bromofluorobenzene	12.847	95	133775	56.003	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 112.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	760	0.522	ug/l #	43
4) Vinyl Chloride	2.512	62	7386	4.971	ug/l	94
6) Chloroethane	3.195	64	3945	4.244	ug/l #	41
11) Tert butyl alcohol	5.524	59	132	0.356	ug/l #	71
16) Acetone	4.436	43	4071	5.828	ug/l	93
17) Carbon Disulfide	4.695	76	1751	0.430	ug/l #	75
18) Methyl Acetate	5.024	43	5194	2.496	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	3689	2.567	ug/l	99
25) 2-Butanone	7.483	43	387	0.361	ug/l #	1
27) cis-1,2-Dichloroethene	7.483	96	165045	95.191	ug/l	83
29) Tetrahydrofuran	7.847	42	216	0.312	ug/l #	38
31) Cyclohexane	8.224	56	3242	1.226	ug/l #	10
36) 1,1-Dichloropropene	8.218	75	11645	4.687	ug/l #	50
38) Carbon Tetrachloride	8.218	117	14299	5.109	ug/l #	16
43) Isopropyl Acetate	8.677	43	10676	0.614	ug/l #	60
44) Trichloroethene	9.347	130	22105	12.546	ug/l	100
52) Toluene	10.629	92	1055	0.226	ug/l	92
60) Dibromochloromethane	11.106	129	6081	3.001	ug/l #	10
64) Tetrachloroethene	11.100	164	6037	3.260	ug/l	98
67) Ethyl Benzene	11.965	91	3414	0.301	ug/l #	88
68) m/p-Xylenes	12.070	106	5448	1.283	ug/l	96
69) o-Xylene	12.400	106	1573	0.376	ug/l	88
71) Bromoform	12.847	173	649	0.393	ug/l #	29
76) 1,2,3-Trichloropropane	12.847	75	76370	26.271	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76370	57.146	ug/l #	6

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

Quant Time: Aug 24 00:04:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

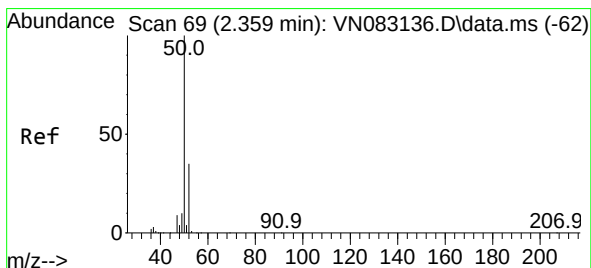
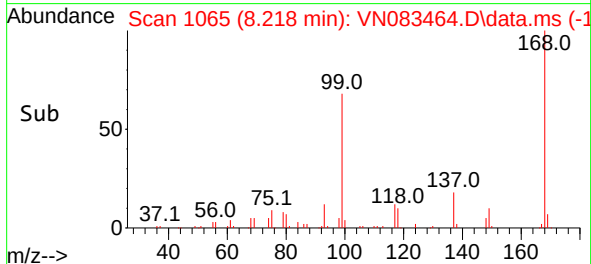
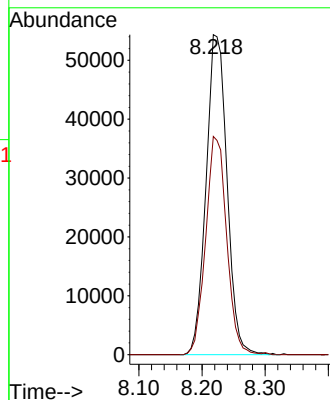
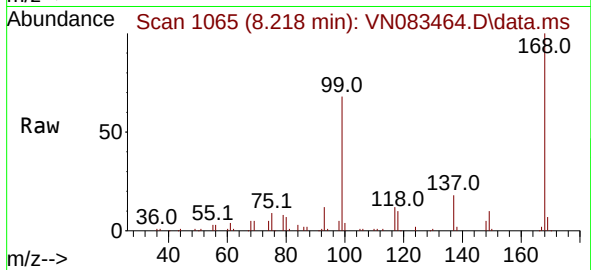




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

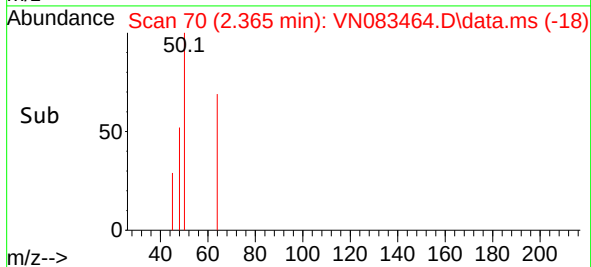
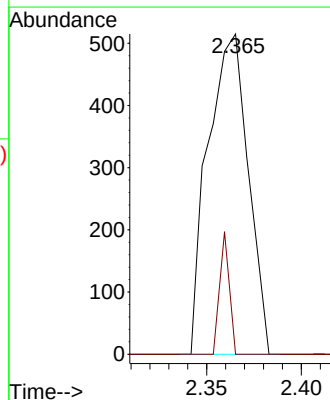
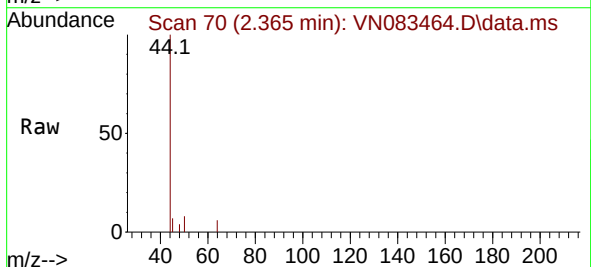
Instrument :
MSVOA_N
ClientSampleId :

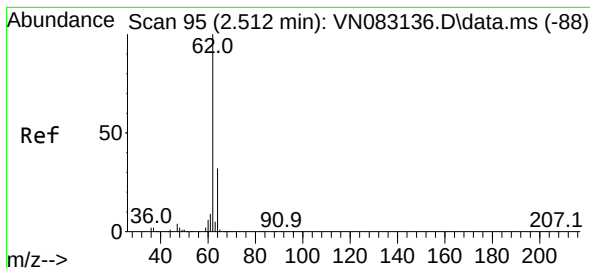
Tgt Ion:168 Resp: 125410
Ion Ratio Lower Upper
168 100
99 68.2 48.2 72.4



#3
Chloromethane
Concen: 0.522 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

Tgt Ion: 50 Resp: 760
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#





#4

Vinyl Chloride

Concen: 4.971 ug/l

RT: 2.512 min Scan# 91

Delta R.T. 0.000 min

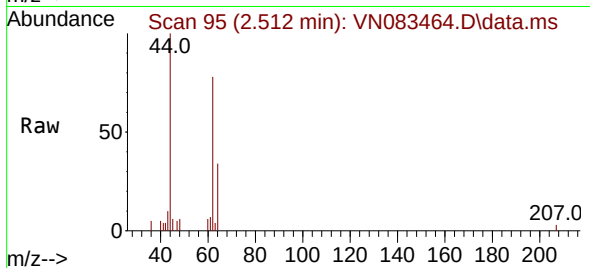
Lab File: VN083464.D

Acq: 23 Aug 2024 16:44

Instrument :

MSVOA_N

ClientSampleId :

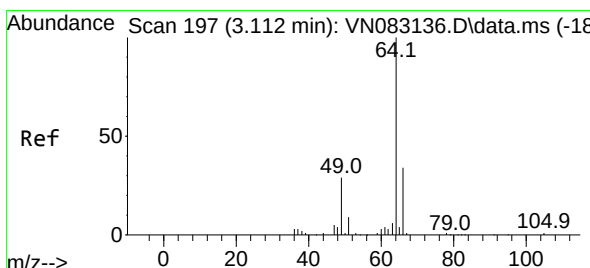
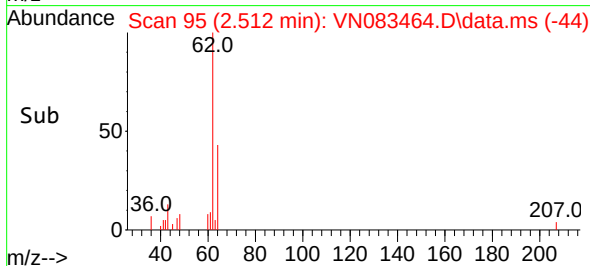
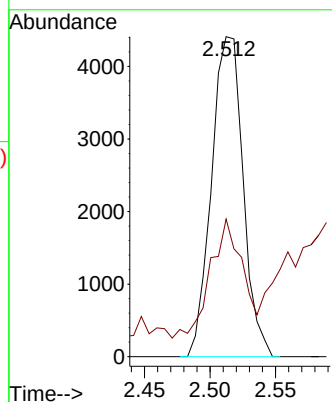


Tgt Ion: 62 Resp: 7386

Ion Ratio Lower Upper

62 100

64 34.5 25.0 37.6



#6

Chloroethane

Concen: 4.244 ug/l

RT: 3.195 min Scan# 211

Delta R.T. 0.082 min

Lab File: VN083464.D

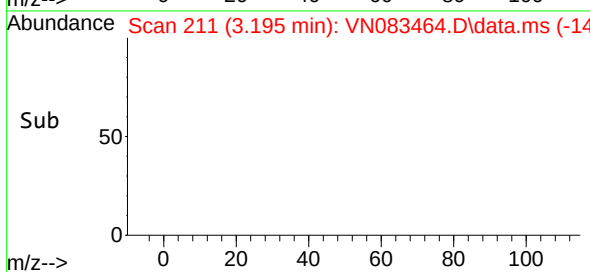
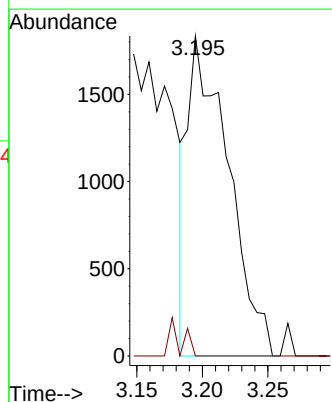
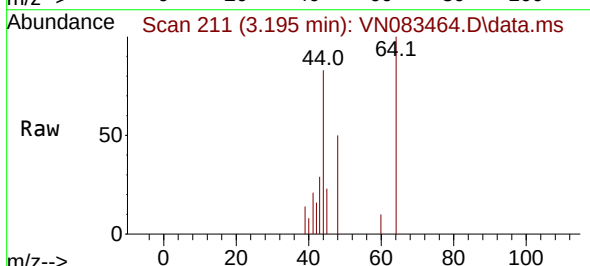
Acq: 23 Aug 2024 16:44

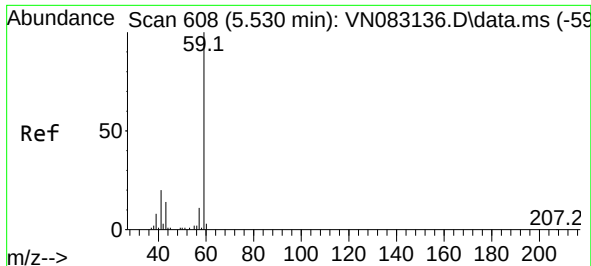
Tgt Ion: 64 Resp: 3945

Ion Ratio Lower Upper

64 100

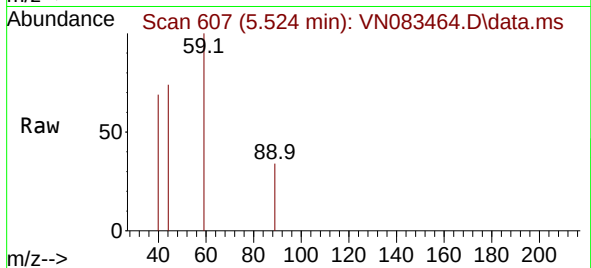
66 0.0 26.6 40.0#



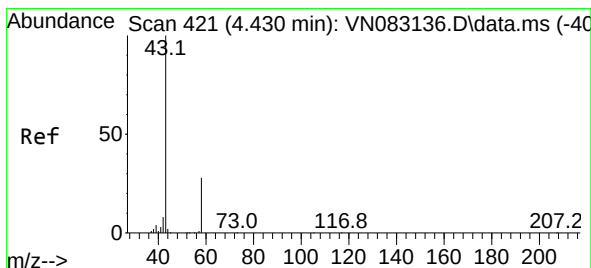
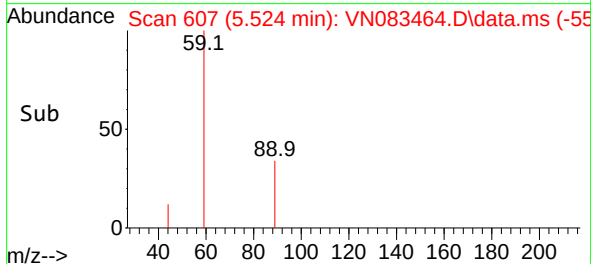
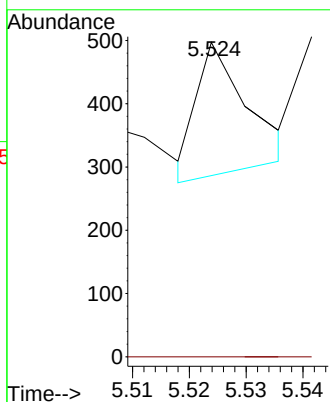


#11
Tert butyl alcohol
Concen: 0.356 ug/l
RT: 5.524 min Scan# 608
Delta R.T. -0.006 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

Instrument :
MSVOA_N
ClientSampleId :

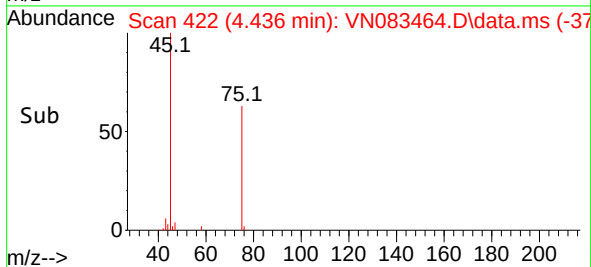
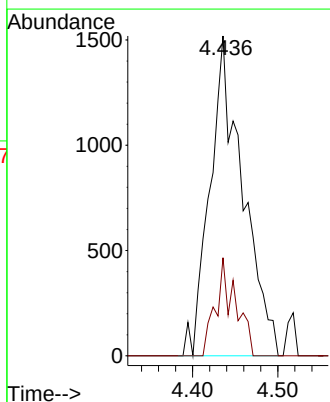
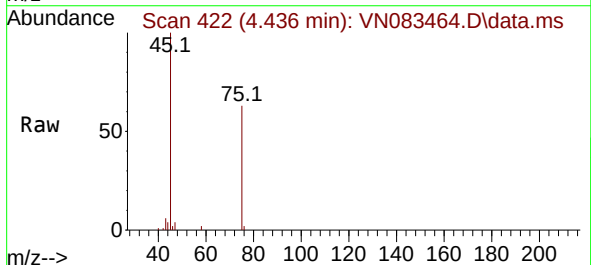


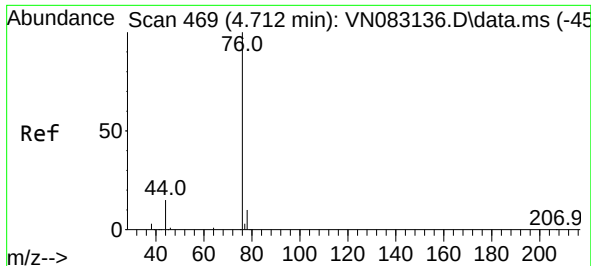
Tgt Ion: 59 Resp: 132
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#16
Acetone
Concen: 5.828 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

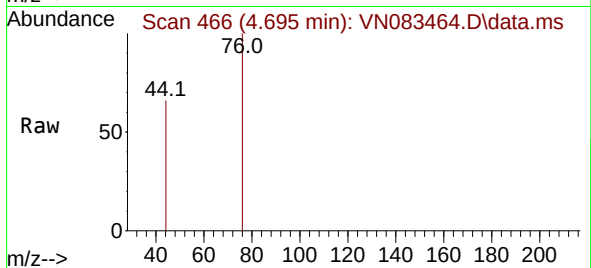
Tgt Ion: 43 Resp: 4071
Ion Ratio Lower Upper
43 100
58 30.7 21.8 32.6



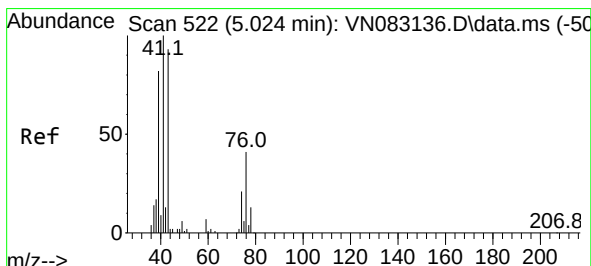
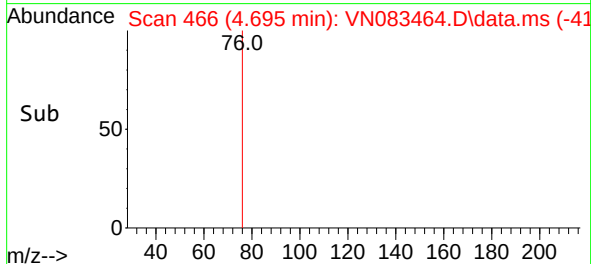
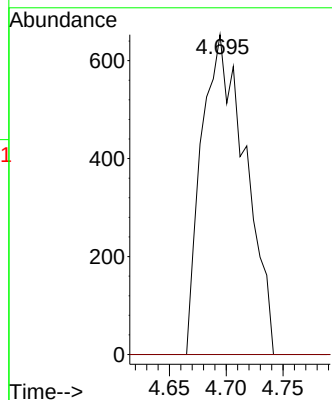


#17
Carbon Disulfide
Concen: 0.430 ug/l
RT: 4.695 min Scan# 466
Delta R.T. -0.018 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

Instrument :
MSVOA_N
ClientSampleId :

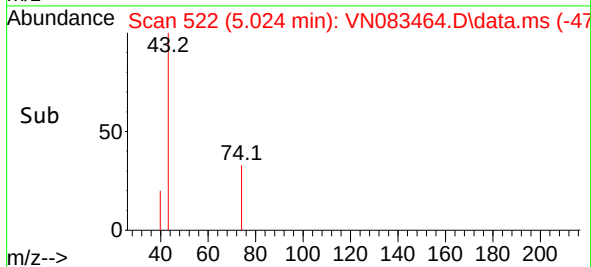
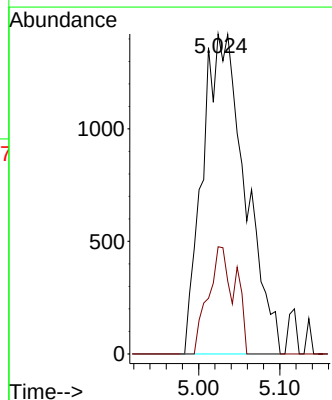
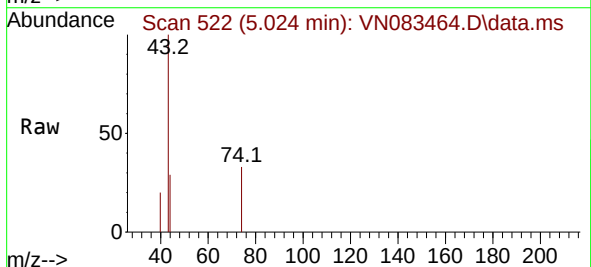


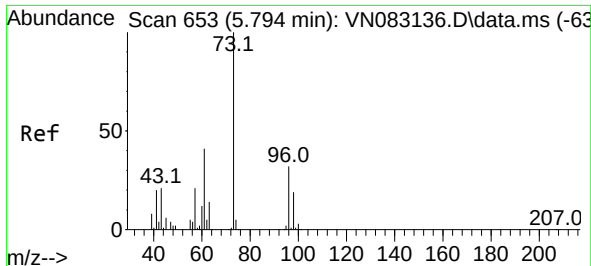
Tgt Ion: 76 Resp: 1751
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 2.496 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

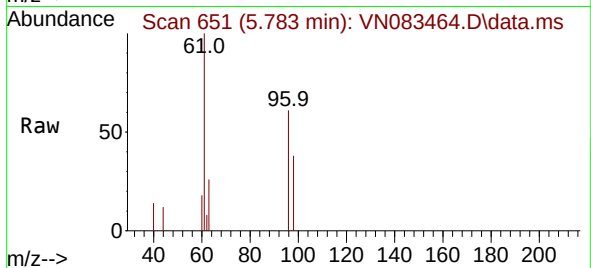
Tgt Ion: 43 Resp: 5194
Ion Ratio Lower Upper
43 100
74 21.0 16.3 24.5



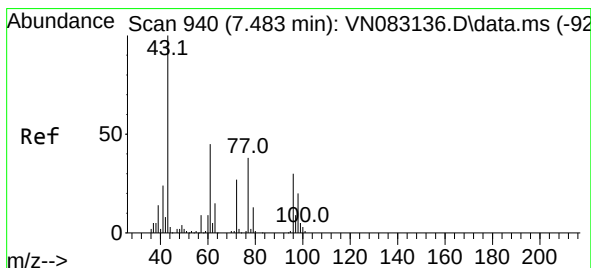
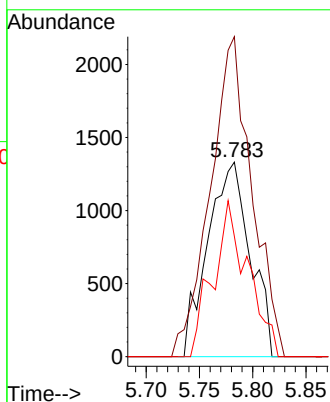
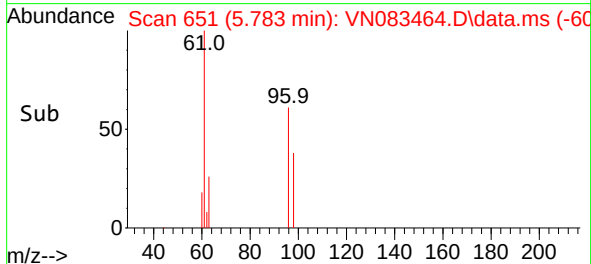


#21
trans-1,2-Dichloroethene
Concen: 2.567 ug/l
RT: 5.783 min Scan# 61
Delta R.T. -0.012 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

Instrument :
MSVOA_N
ClientSampleId :

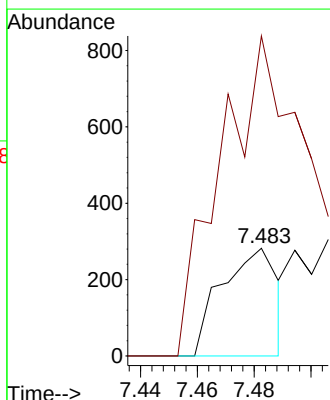
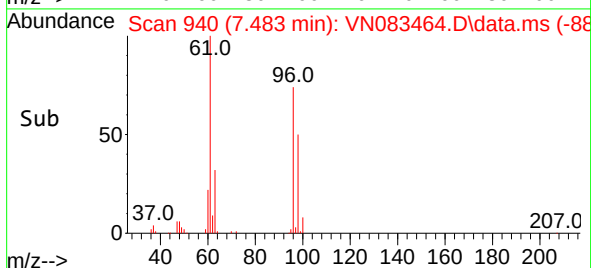
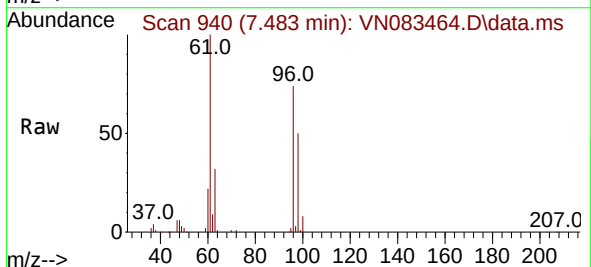


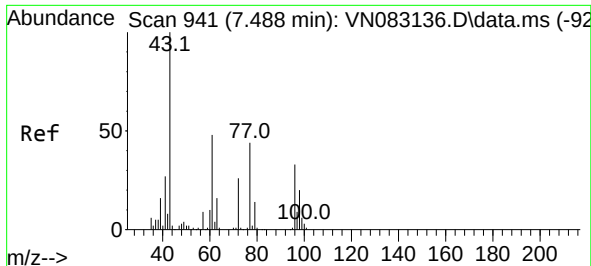
Tgt Ion: 96 Resp: 3689
Ion Ratio Lower Upper
96 100
61 152.8 123.4 185.2
98 61.8 49.3 73.9



#25
2-Butanone
Concen: 0.361 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

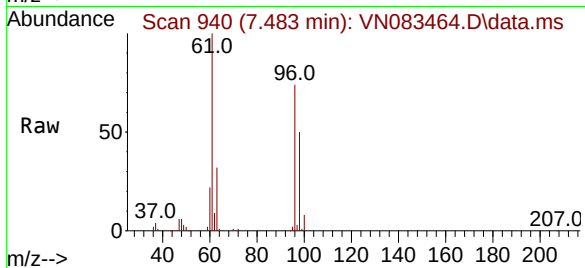
Tgt Ion: 43 Resp: 387
Ion Ratio Lower Upper
43 100
72 297.2 18.2 27.2#



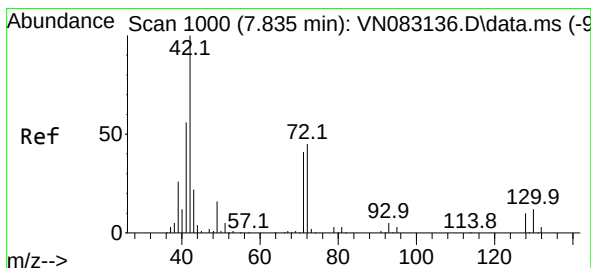
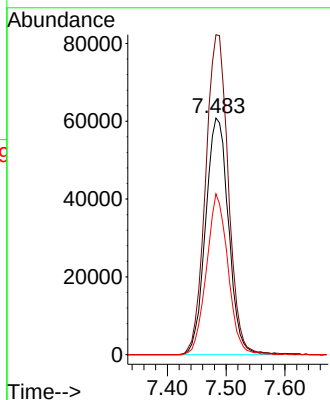
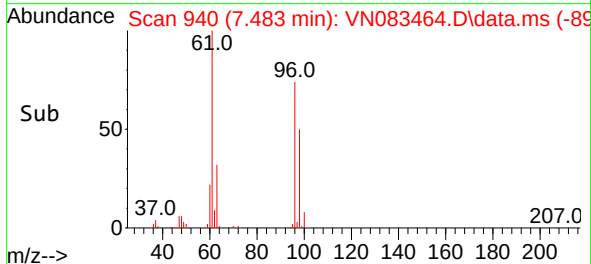


#27
 cis-1,2-Dichloroethene
 Concen: 95.191 ug/l
 RT: 7.483 min Scan# 941
 Delta R.T. -0.006 min
 Lab File: VN083464.D
 Acq: 23 Aug 2024 16:44

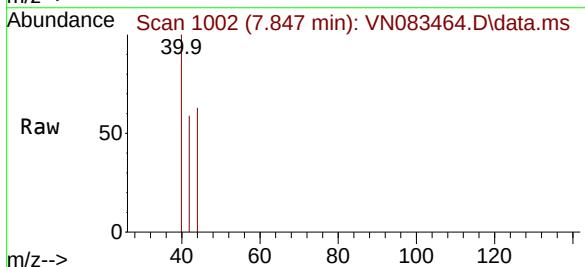
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 ClientSampleId :



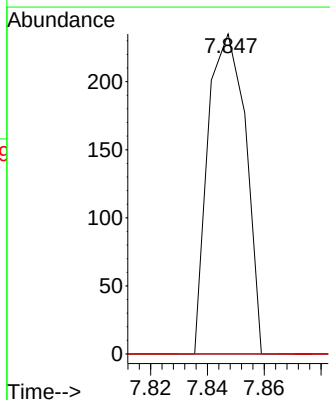
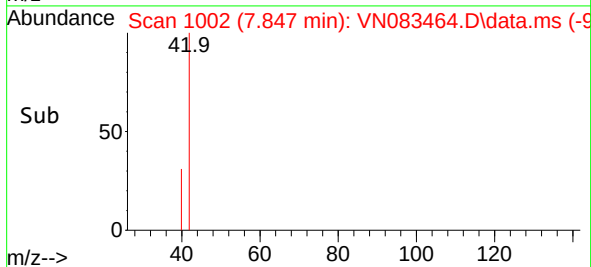
Tgt Ion: 96 Resp: 165045
 Ion Ratio Lower Upper
 96 100
 61 133.8 0.0 329.6
 98 63.5 0.0 128.6

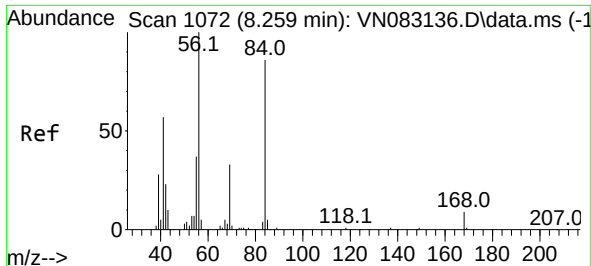


#29
 Tetrahydrofuran
 Concen: 0.312 ug/l
 RT: 7.847 min Scan# 1002
 Delta R.T. 0.012 min
 Lab File: VN083464.D
 Acq: 23 Aug 2024 16:44



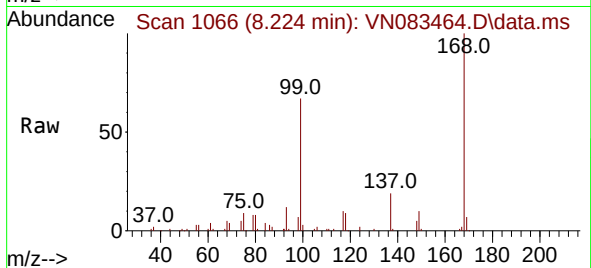
Tgt Ion: 42 Resp: 216
 Ion Ratio Lower Upper
 42 100
 72 0.0 30.0 45.0#
 71 0.0 28.3 42.5#



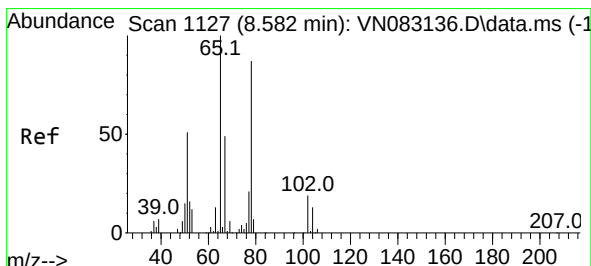
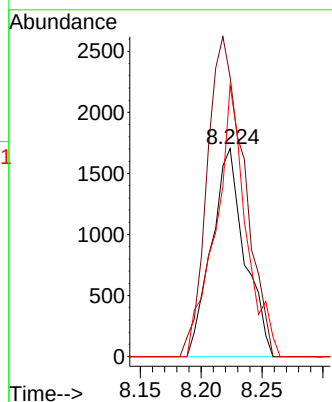
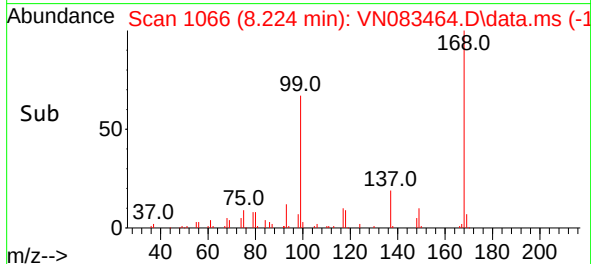


#31
Cyclohexane
Concen: 1.226 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

Instrument :
MSVOA_N
ClientSampleId :

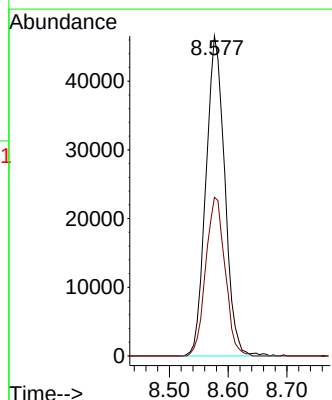
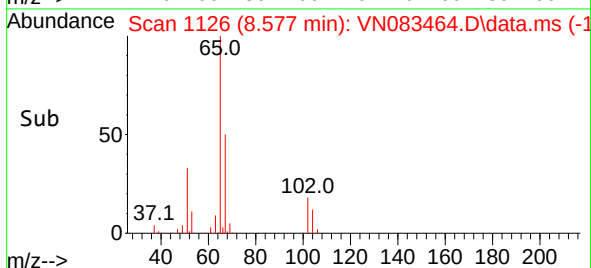
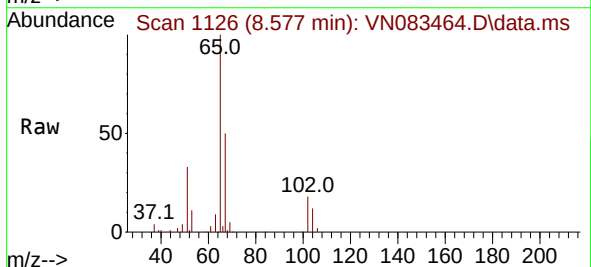


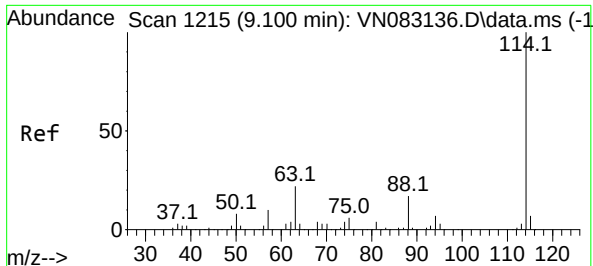
Tgt Ion: 56 Resp: 3242
Ion Ratio Lower Upper
56 100
69 134.4 24.5 36.7#
84 130.2 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 58.259 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

Tgt Ion: 65 Resp: 103997
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083464.D

Acq: 23 Aug 2024 16:44

Instrument :

MSVOA_N

ClientSampleId :

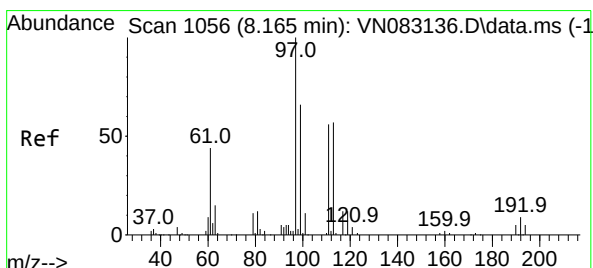
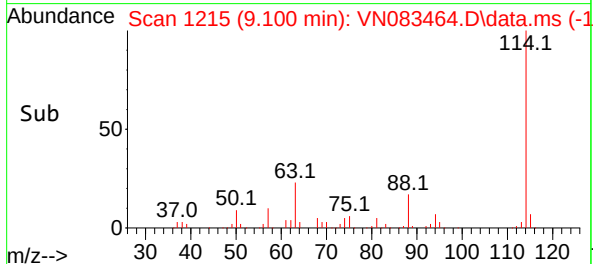
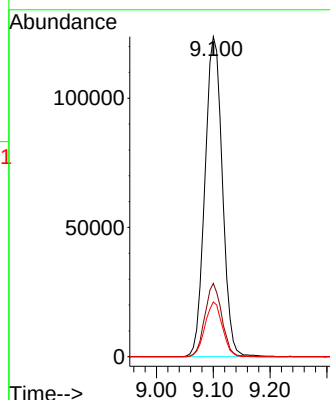
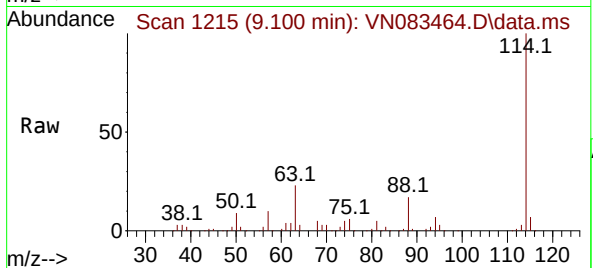
Tgt Ion:114 Resp: 263154

Ion Ratio Lower Upper

114 100

63 22.9 0.0 44.6

88 17.1 0.0 31.4



#35

Dibromofluoromethane

Concen: 50.443 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083464.D

Acq: 23 Aug 2024 16:44

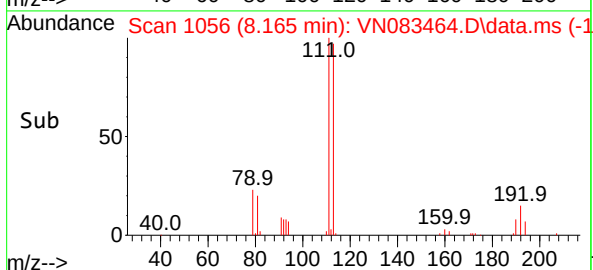
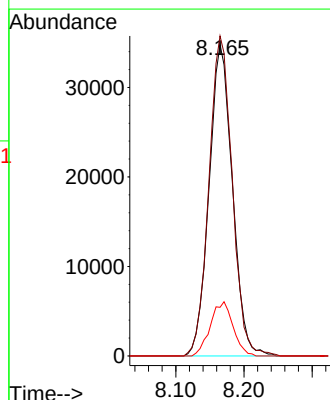
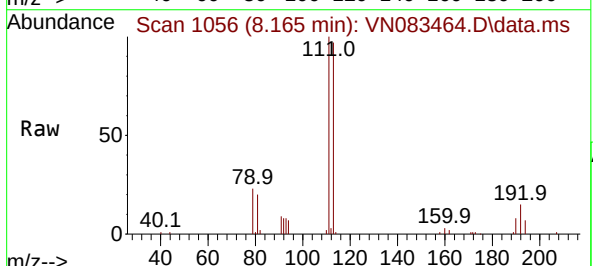
Tgt Ion:113 Resp: 82856

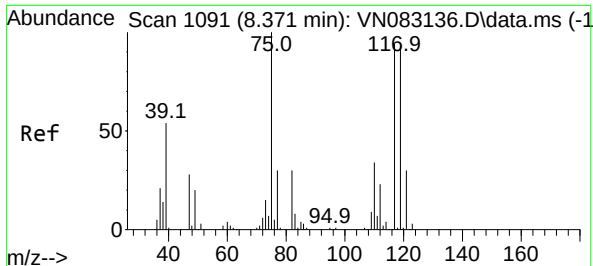
Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

192 17.0 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.687 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN083464.D

Acq: 23 Aug 2024 16:44

Instrument :

MSVOA_N

ClientSampleId :

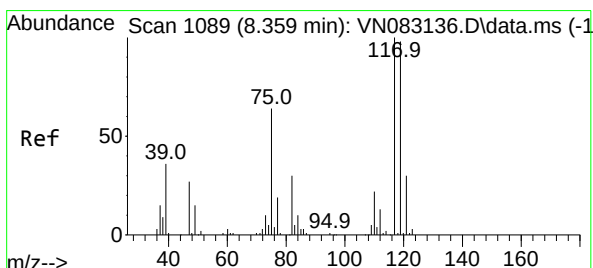
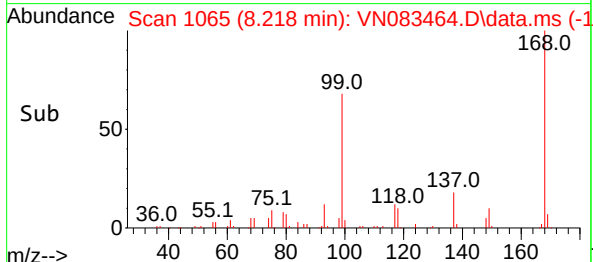
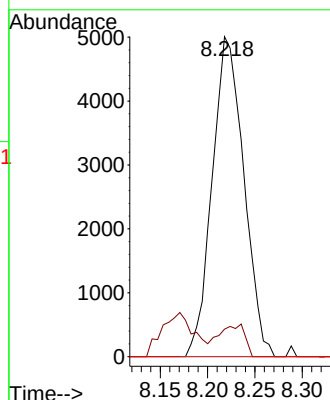
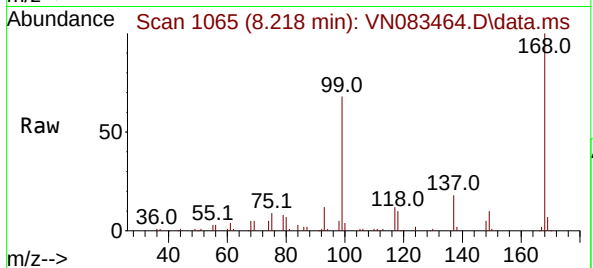
Tgt Ion: 75 Resp: 11645

Ion Ratio Lower Upper

75 100

110 8.3 16.3 48.9#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.109 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN083464.D

Acq: 23 Aug 2024 16:44

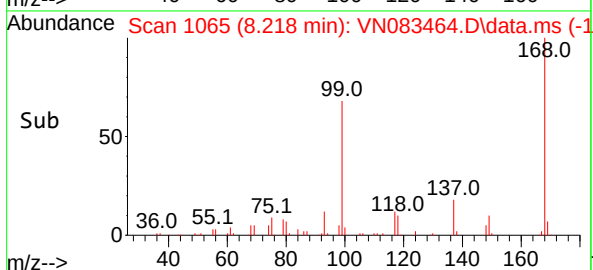
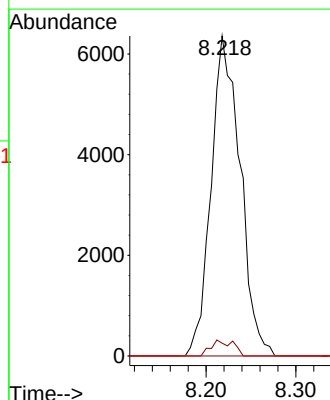
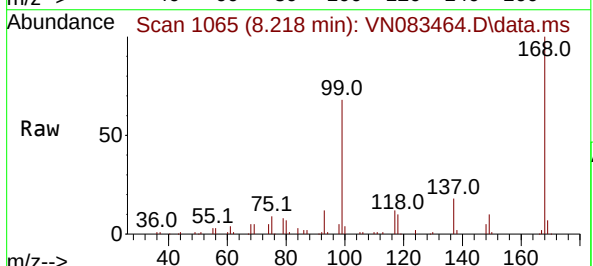
Tgt Ion: 117 Resp: 14299

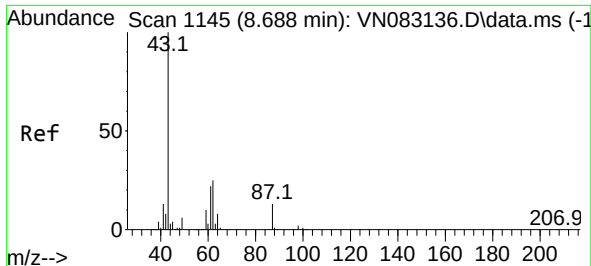
Ion Ratio Lower Upper

117 100

119 4.0 74.9 112.3#

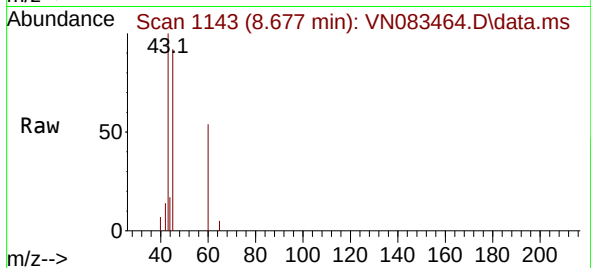
121 0.0 24.3 36.5#



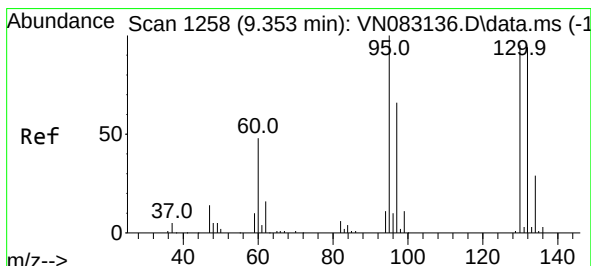
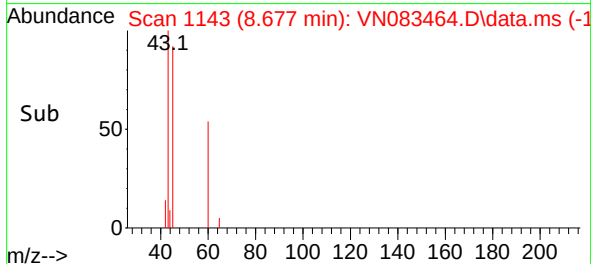
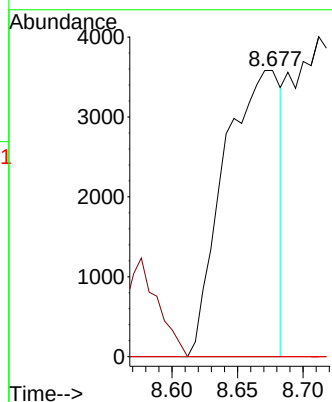


#43
Isopropyl Acetate
Concen: 0.614 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.011 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

Instrument :
MSVOA_N
ClientSampleId :

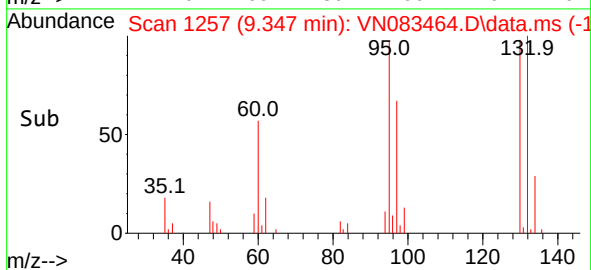
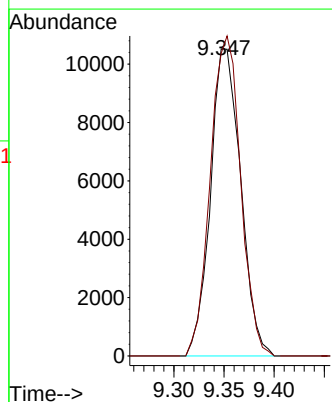
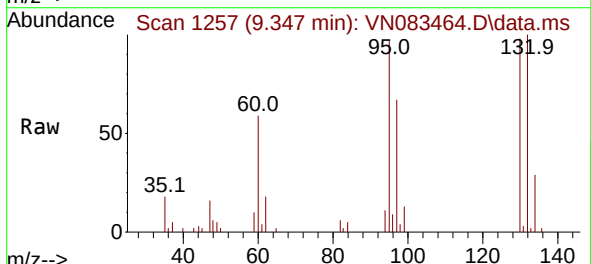


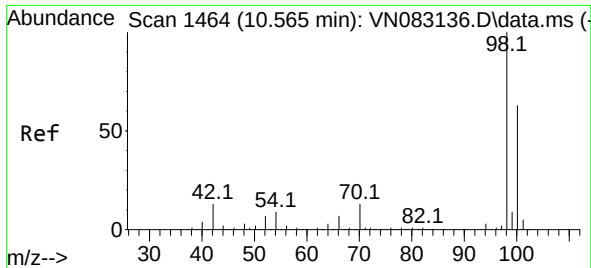
Tgt Ion: 43 Resp: 10676
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#



#44
Trichloroethene
Concen: 12.546 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.006 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

Tgt Ion:130 Resp: 22105
Ion Ratio Lower Upper
130 100
95 98.6 0.0 197.8

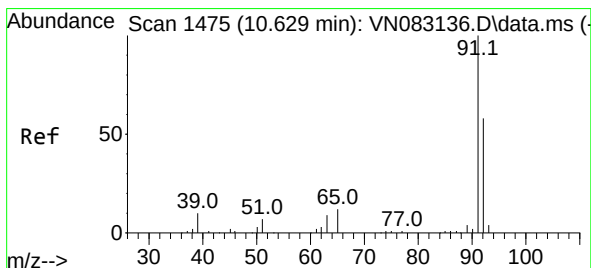
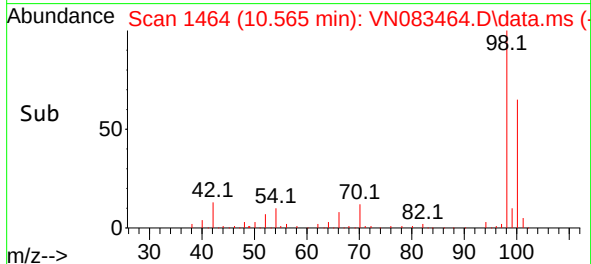
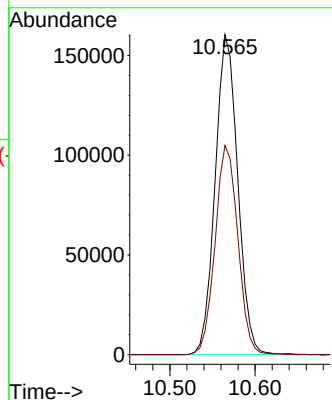
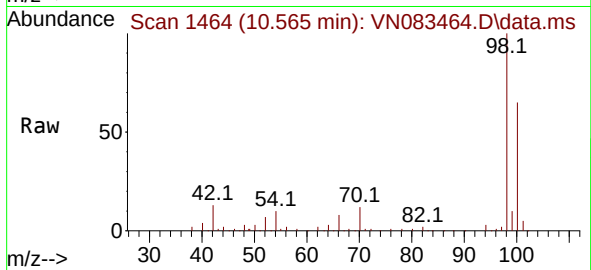




#50
Toluene-d8
Concen: 48.226 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

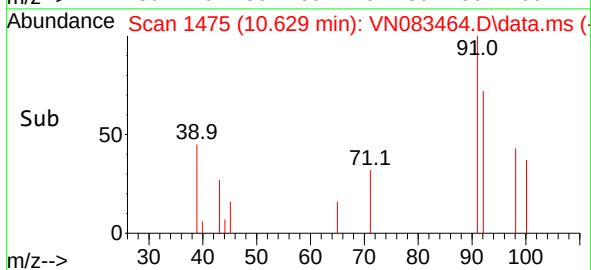
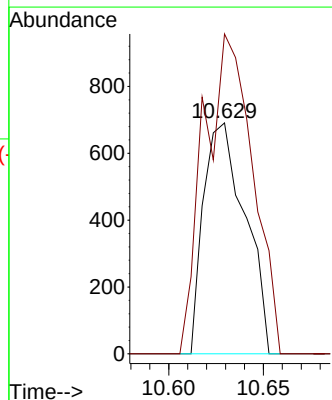
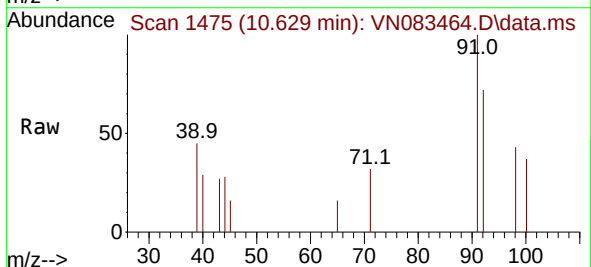
Instrument :
MSVOA_N
ClientSampleId :

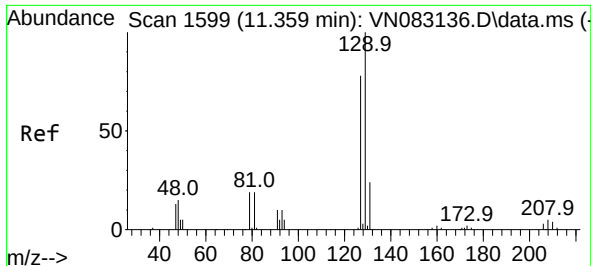
Tgt Ion: 98 Resp: 295484
Ion Ratio Lower Upper
98 100
100 65.8 51.5 77.3



#52
Toluene
Concen: 0.226 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

Tgt Ion: 92 Resp: 1055
Ion Ratio Lower Upper
92 100
91 162.6 139.4 209.0

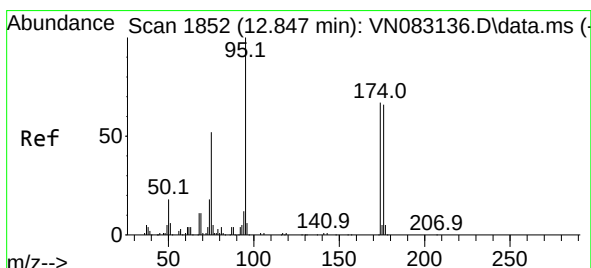
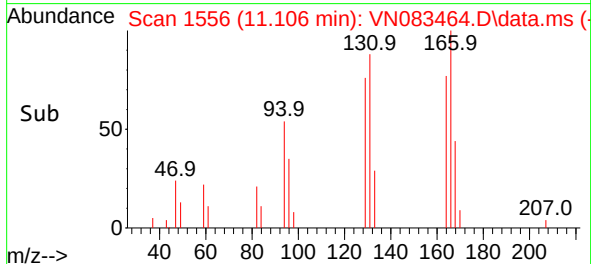
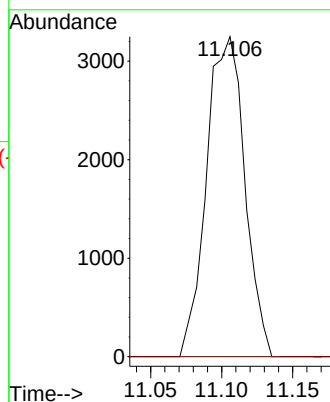
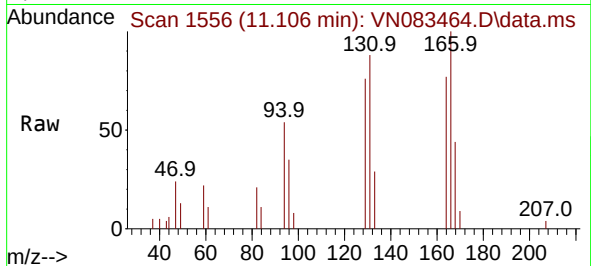




#60
Dibromochloromethane
Concen: 3.001 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

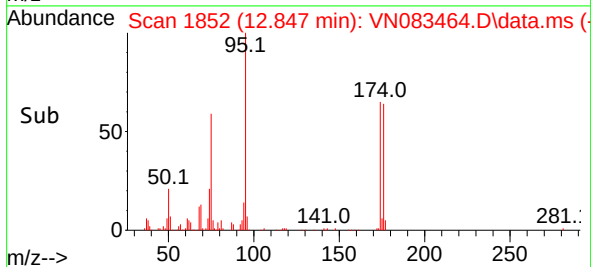
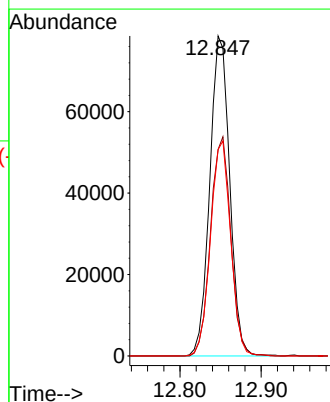
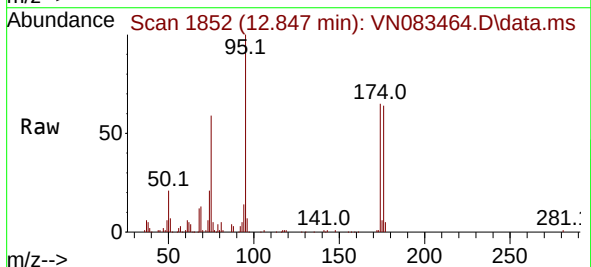
Instrument :
MSVOA_N
ClientSampleId :

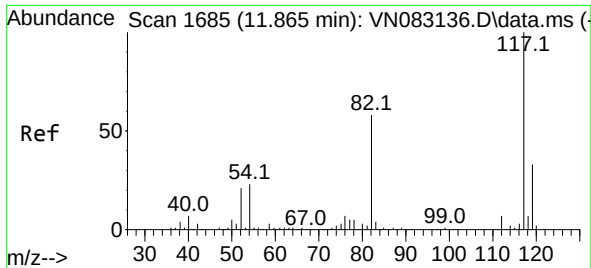
Tgt Ion:129 Resp: 6081
Ion Ratio Lower Upper
129 100
127 0.0 39.2 117.6#



#62
4-Bromofluorobenzene
Concen: 56.003 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

Tgt Ion: 95 Resp: 133775
Ion Ratio Lower Upper
95 100
174 69.8 0.0 159.2
176 68.2 0.0 147.6

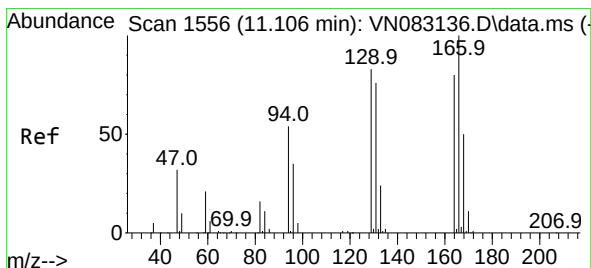
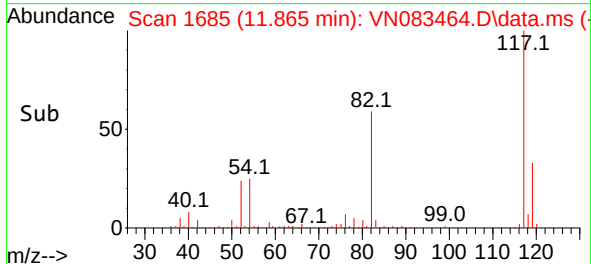
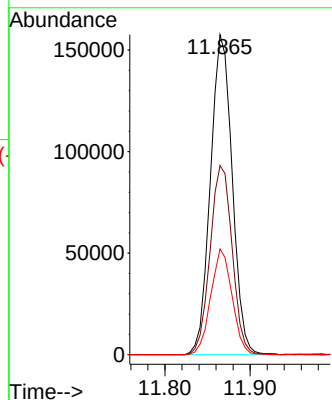
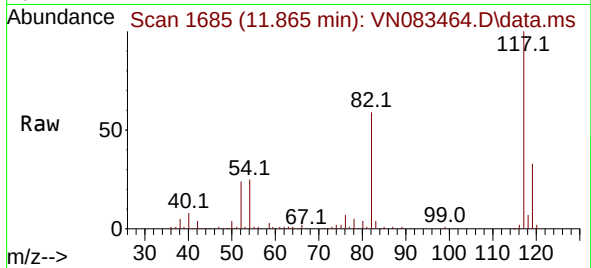




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

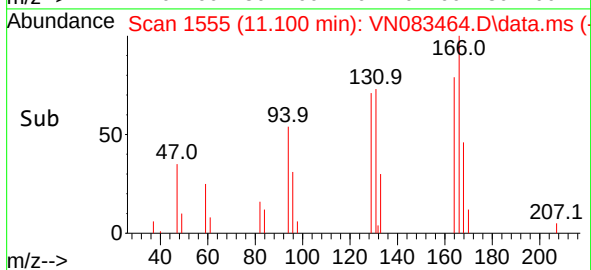
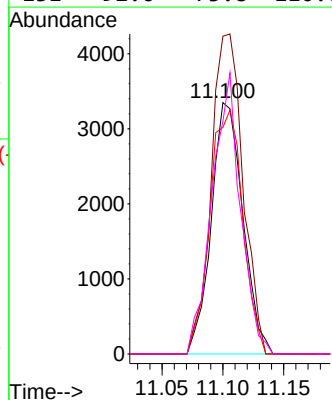
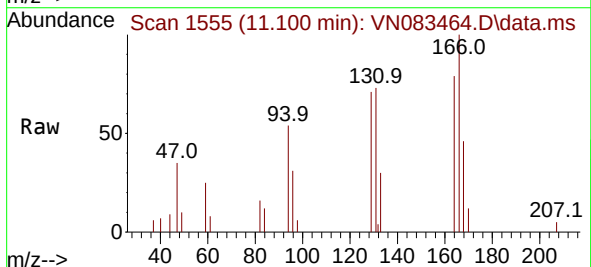
Instrument :
MSVOA_N
ClientSampleId :

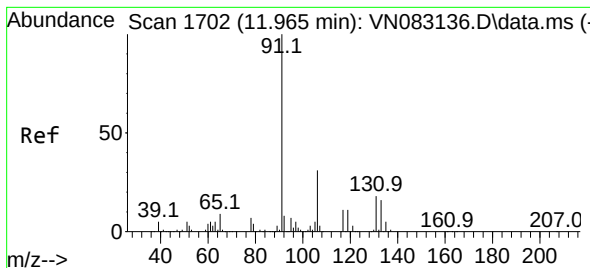
Tgt Ion:117 Resp: 279626
Ion Ratio Lower Upper
117 100
82 59.1 47.5 71.3
119 33.0 25.6 38.4



#64
Tetrachloroethene
Concen: 3.260 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.006 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

Tgt Ion:164 Resp: 6037
Ion Ratio Lower Upper
164 100
166 126.5 101.4 152.0
129 90.1 75.7 113.5
131 92.6 73.8 110.6





#67

Ethyl Benzene

Concen: 0.301 ug/l

RT: 11.965 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN083464.D

Acq: 23 Aug 2024 16:44

Instrument :

MSVOA_N

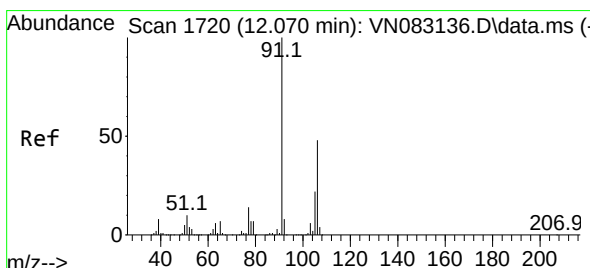
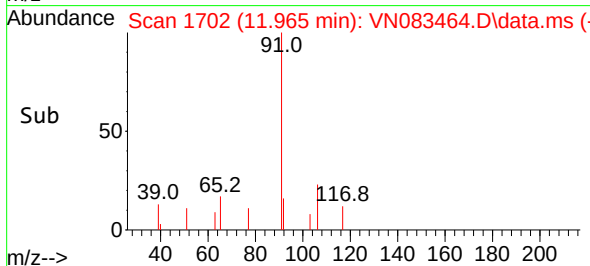
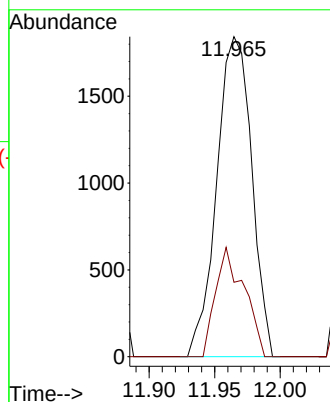
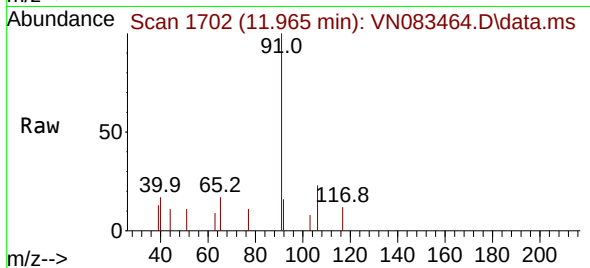
ClientSampleId :

Tgt Ion: 91 Resp: 3414

Ion Ratio Lower Upper

91 100

106 23.3 24.0 36.0#



#68

m/p-Xylenes

Concen: 1.283 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN083464.D

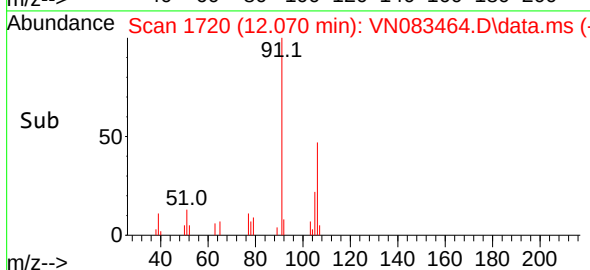
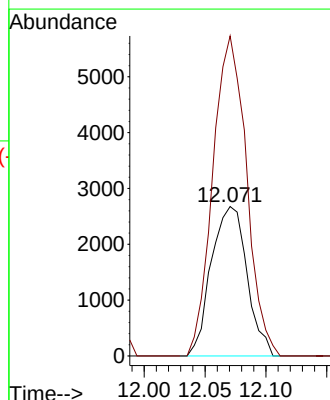
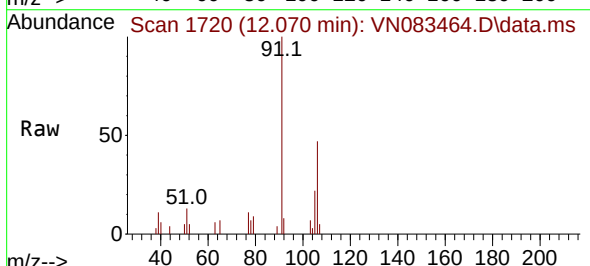
Acq: 23 Aug 2024 16:44

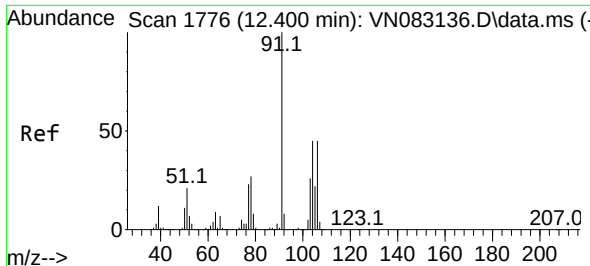
Tgt Ion: 106 Resp: 5448

Ion Ratio Lower Upper

106 100

91 202.1 166.1 249.1

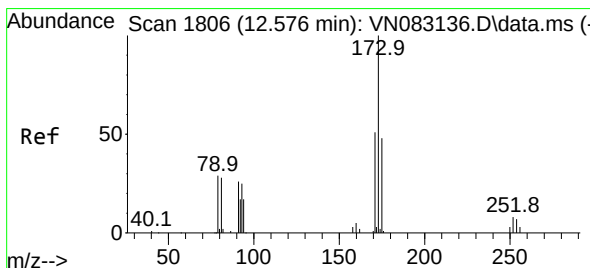
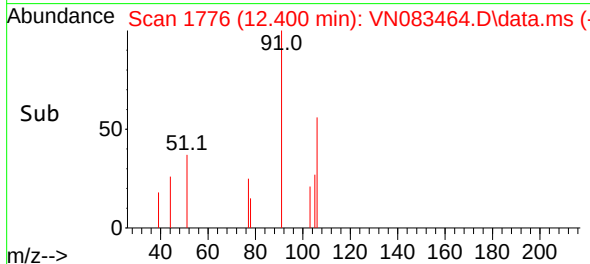
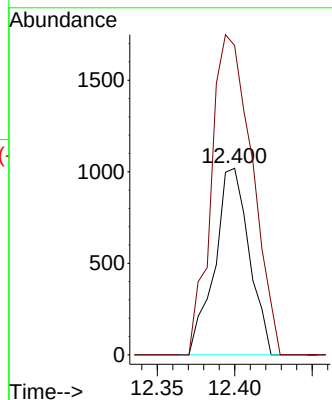
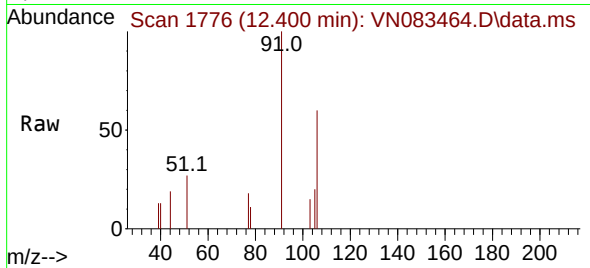




#69
o-Xylene
Concen: 0.376 ug/l
RT: 12.400 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

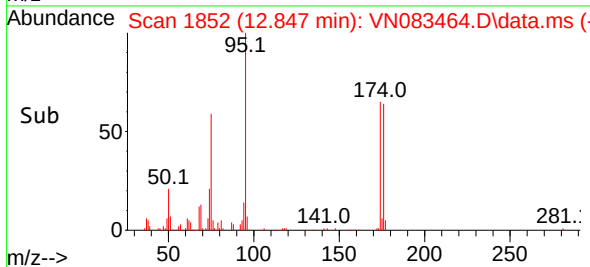
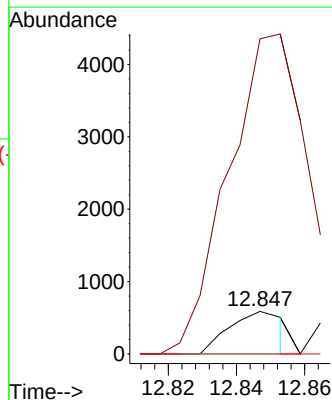
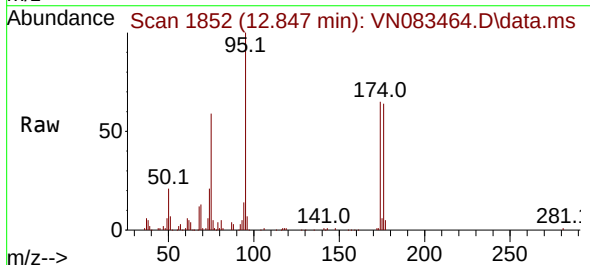
Instrument :
MSVOA_N
ClientSampleId :

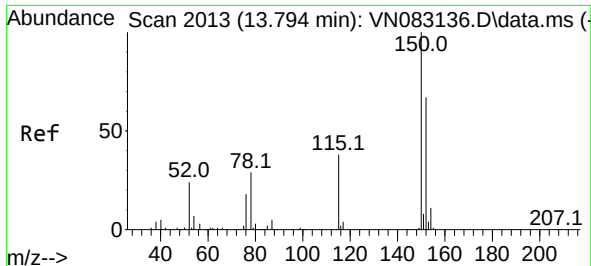
Tgt Ion:106 Resp: 1573
Ion Ratio Lower Upper
106 100
91 203.1 111.3 333.9



#71
Bromoform
Concen: 0.393 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN083464.D
Acq: 23 Aug 2024 16:44

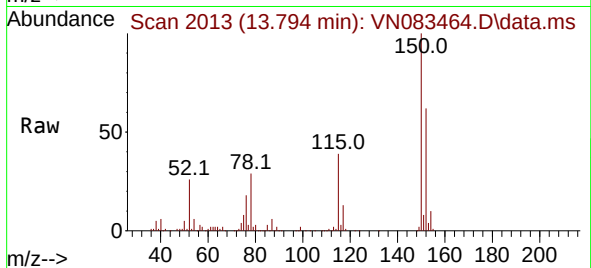
Tgt Ion:173 Resp: 649
Ion Ratio Lower Upper
173 100
175 0.0 24.0 72.0#
254 0.0 0.0 0.0



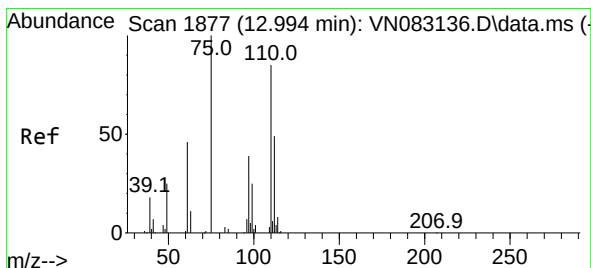
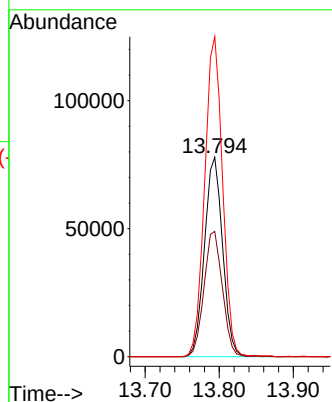
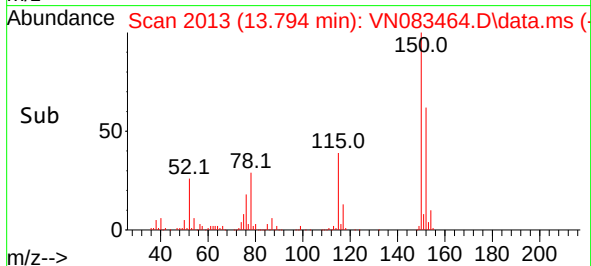


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN083464.D
 Acq: 23 Aug 2024 16:44

Instrument :
 MSVOA_N
 ClientSampleId :

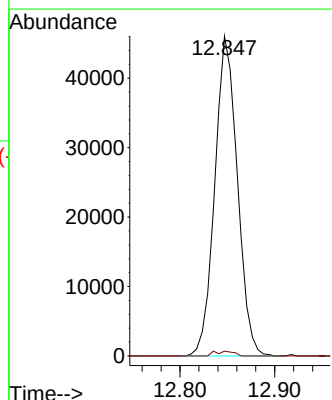
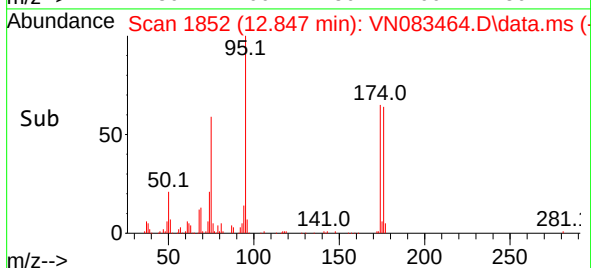
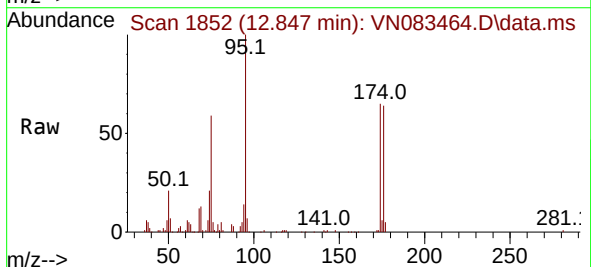


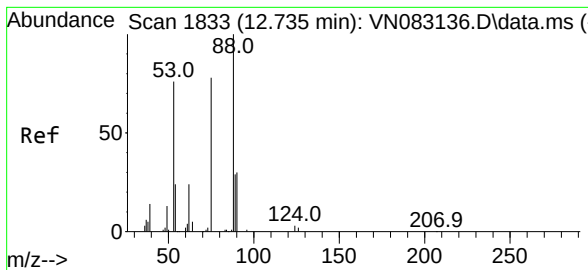
Tgt Ion:152 Resp: 132452
 Ion Ratio Lower Upper
 152 100
 115 63.7 30.6 91.6
 150 158.1 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 26.271 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN083464.D
 Acq: 23 Aug 2024 16:44

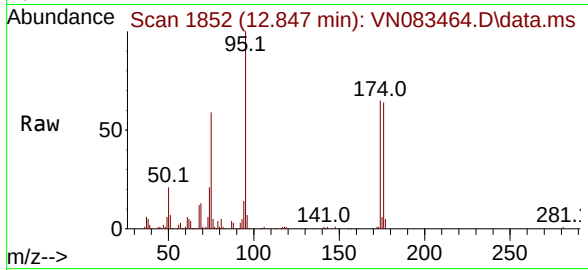
Tgt Ion: 75 Resp: 76370
 Ion Ratio Lower Upper
 75 100
 77 1.3 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.146 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083464.D
 Acq: 23 Aug 2024 16:44

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 76370
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.4 132.6#
 89 0.0 36.3 54.5#

