

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
 Data File : VN083462.D
 Acq On : 23 Aug 2024 15:55
 Operator : JC\MD
 Sample : P3716-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 24 00:03:15 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)

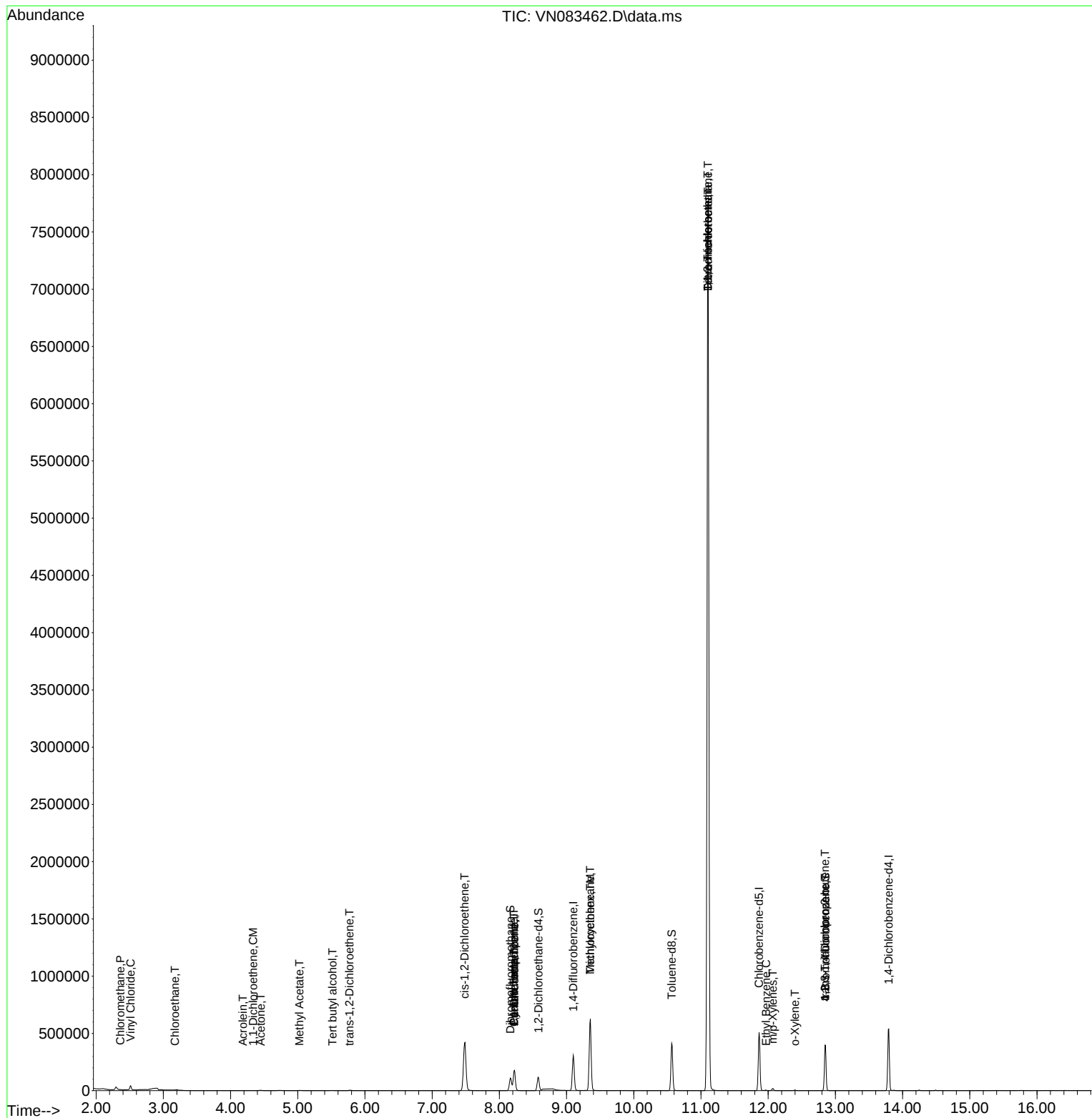
Internal Standards						
1) Pentafluorobenzene	8.224	168	122781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	249387	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	276626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	139204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	100945	57.760	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.520%			
35) Dibromofluoromethane	8.165	113	79482	51.061	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.120%			
50) Toluene-d8	10.565	98	283527	48.829	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.660%			
62) 4-Bromofluorobenzene	12.853	95	140304	61.979	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 123.960%#			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	462	0.324	ug/l #	43
4) Vinyl Chloride	2.512	62	30346	20.863	ug/l	98
6) Chloroethane	3.171	64	538	0.591	ug/l #	41
11) Tert butyl alcohol	5.518	59	546	1.503	ug/l #	71
12) 1,1-Dichloroethene	4.336	96	622	0.457	ug/l #	19
13) Acrolein	4.183	56	65	0.275	ug/l #	14
16) Acetone	4.447	43	4322	6.320	ug/l #	72
18) Methyl Acetate	5.024	43	4969	2.439	ug/l #	78
21) trans-1,2-Dichloroethene	5.771	96	1124	0.799	ug/l	84
27) cis-1,2-Dichloroethene	7.482	96	247981	146.087	ug/l	84
31) Cyclohexane	8.218	56	3479	1.343	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	10460	4.442	ug/l #	52
38) Carbon Tetrachloride	8.218	117	14217	5.360	ug/l #	16
39) Methylcyclohexane	9.353	83	2974	1.028	ug/l #	1
44) Trichloroethene	9.353	130	211377	126.597	ug/l	92
55) 1,1,2-Trichloroethane	11.100	97	17233	10.849	ug/l #	6
60) Dibromochloromethane	11.106	129	1730943	901.340	ug/l #	10
64) Tetrachloroethene	11.106	164	1669432	911.249	ug/l	93
67) Ethyl Benzene	11.970	91	3909	0.349	ug/l	96
68) m/p-Xylenes	12.070	106	6058	1.442	ug/l	95
69) o-Xylene	12.400	106	1693	0.409	ug/l	91
76) 1,2,3-Trichloropropane	12.847	75	78527	25.703	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78527	55.910	ug/l #	6

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

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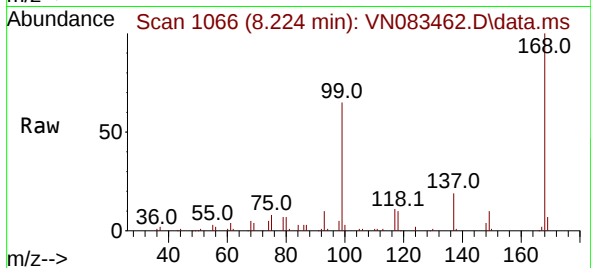
Quant Time: Aug 24 00:03:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration



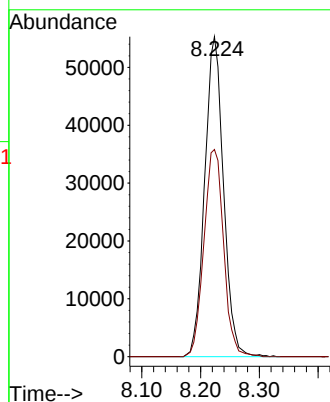
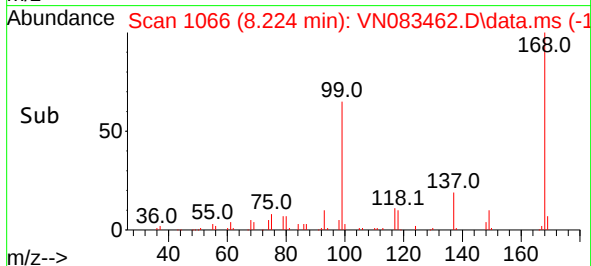


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083462.D
Acq: 23 Aug 2024 15:55

Instrument :
MSVOA_N
ClientSampleId :

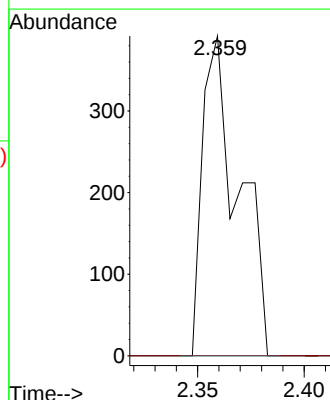
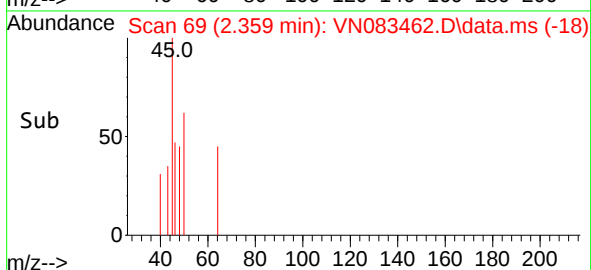
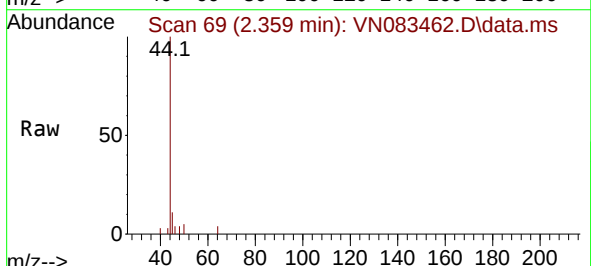


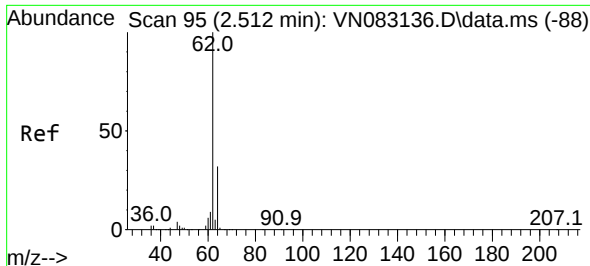
Tgt Ion:168 Resp: 122781
Ion Ratio Lower Upper
168 100
99 64.7 48.2 72.4



#3
Chloromethane
Concen: 0.324 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN083462.D
Acq: 23 Aug 2024 15:55

Tgt Ion: 50 Resp: 462
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

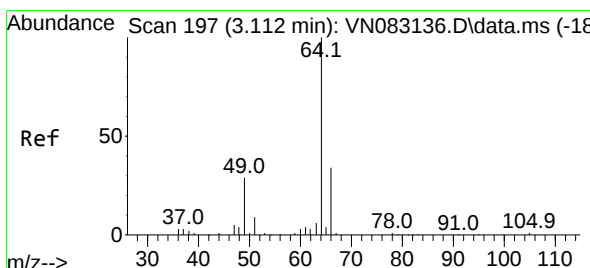
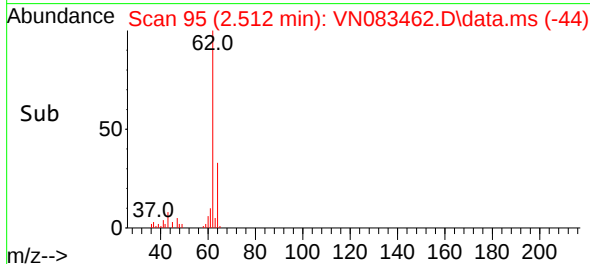
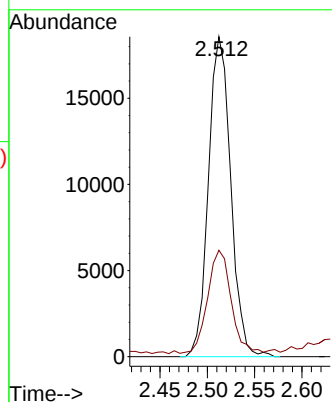
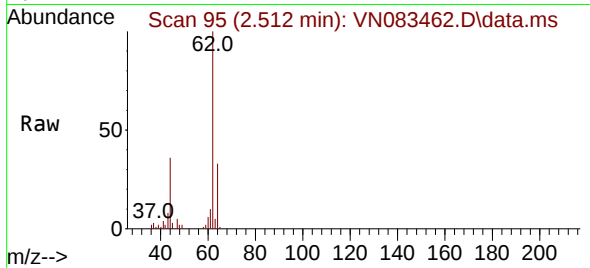




#4
 Vinyl Chloride
 Concen: 20.863 ug/l
 RT: 2.512 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VN083462.D
 Acq: 23 Aug 2024 15:55

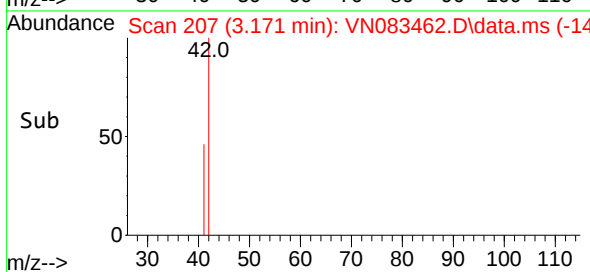
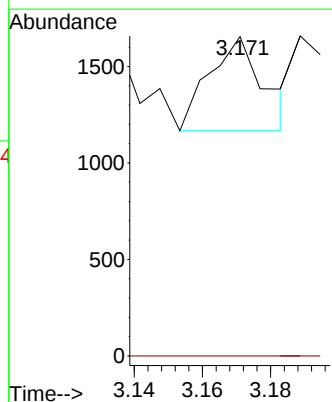
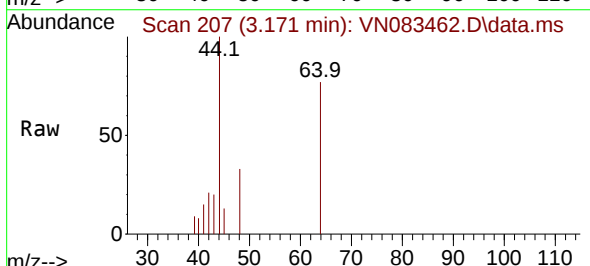
Instrument :
 MSVOA_N
 ClientSampleId :

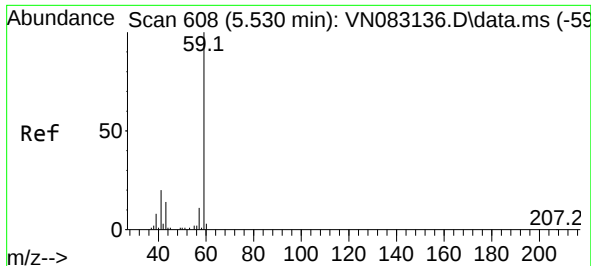
Tgt Ion: 62 Resp: 30346
 Ion Ratio Lower Upper
 62 100
 64 32.2 25.0 37.6



#6
 Chloroethane
 Concen: 0.591 ug/l
 RT: 3.171 min Scan# 207
 Delta R.T. 0.059 min
 Lab File: VN083462.D
 Acq: 23 Aug 2024 15:55

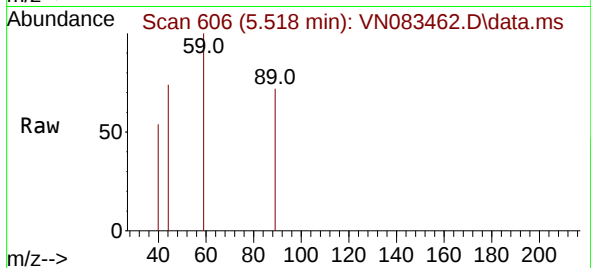
Tgt Ion: 64 Resp: 538
 Ion Ratio Lower Upper
 64 100
 66 0.0 26.6 40.0#



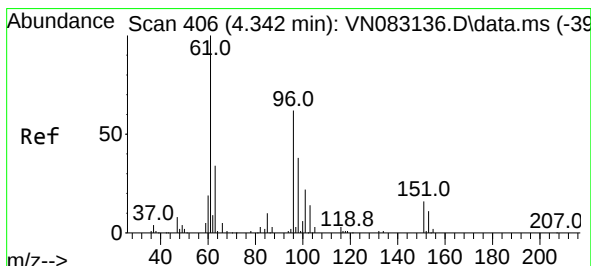
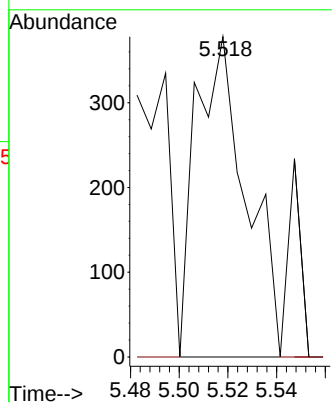
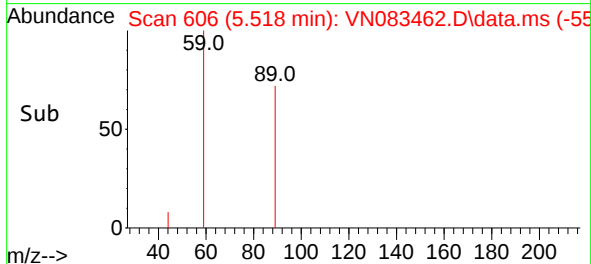


#11
Tert butyl alcohol
Concen: 1.503 ug/l
RT: 5.518 min Scan# 608
Delta R.T. -0.012 min
Lab File: VN083462.D
Acq: 23 Aug 2024 15:55

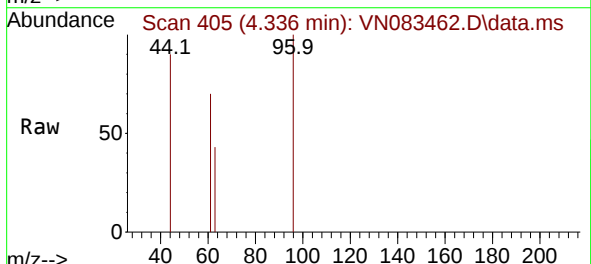
Instrument :
MSVOA_N
ClientSampleId :



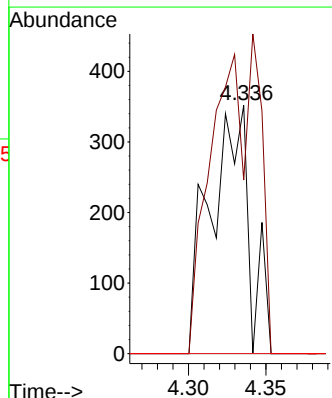
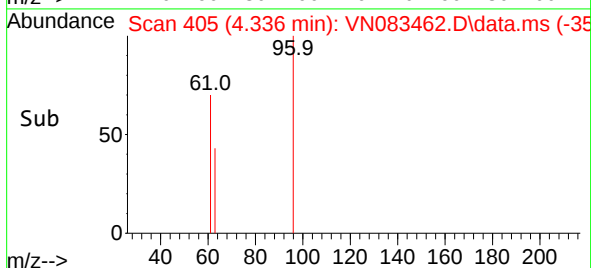
Tgt Ion: 59 Resp: 546
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

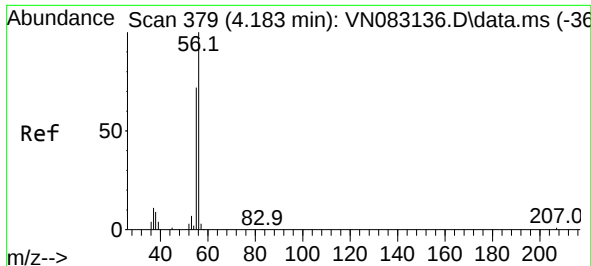


#12
1,1-Dichloroethene
Concen: 0.457 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN083462.D
Acq: 23 Aug 2024 15:55



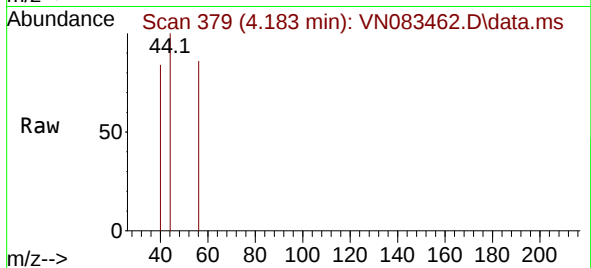
Tgt Ion: 96 Resp: 622
Ion Ratio Lower Upper
96 100
61 69.9 149.7 224.5#
98 0.0 50.1 75.1#



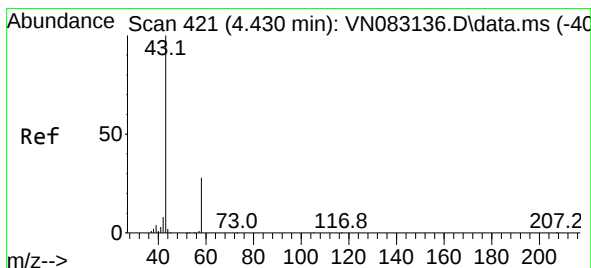
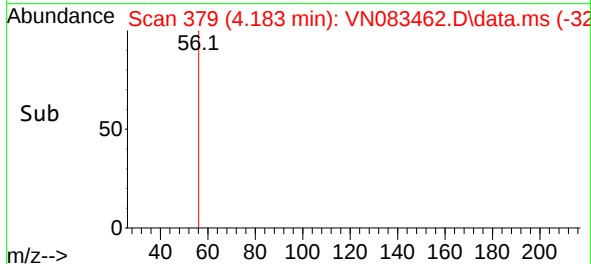
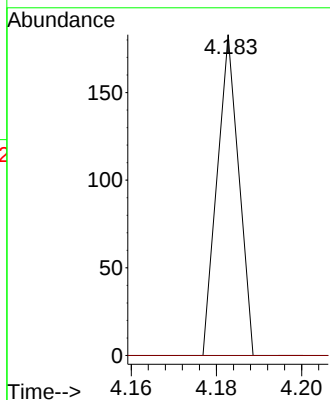


#13
Acrolein
Concen: 0.275 ug/l
RT: 4.183 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN083462.D
Acq: 23 Aug 2024 15:55

Instrument :
MSVOA_N
ClientSampleId :

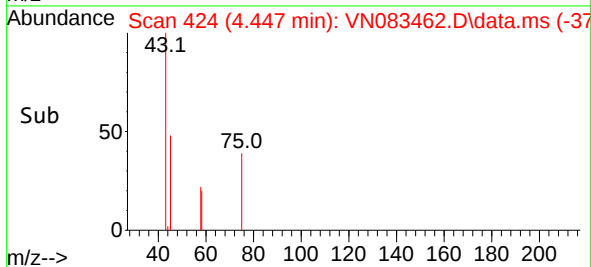
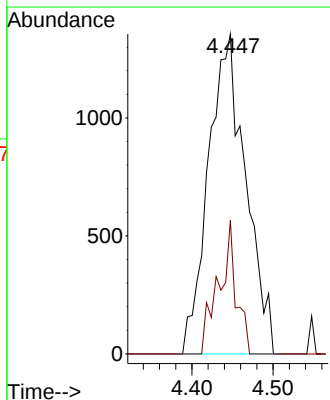
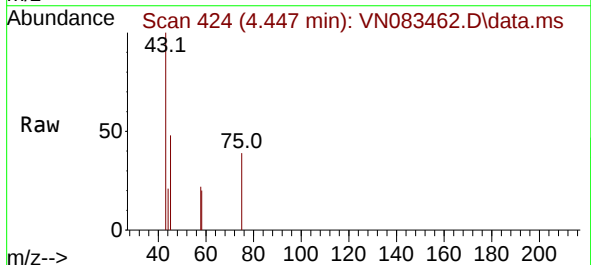


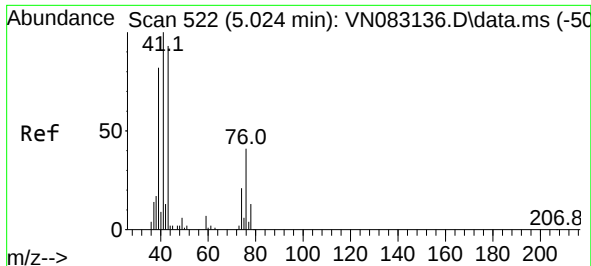
Tgt Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 6.320 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN083462.D
Acq: 23 Aug 2024 15:55

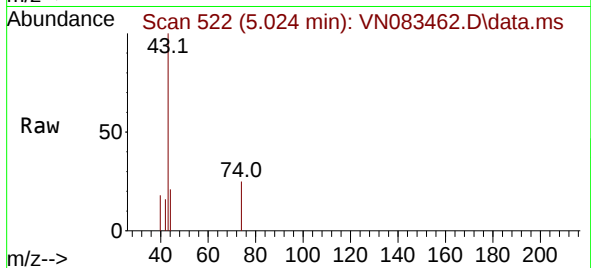
Tgt Ion: 43 Resp: 4322
Ion Ratio Lower Upper
43 100
58 41.7 21.8 32.6#



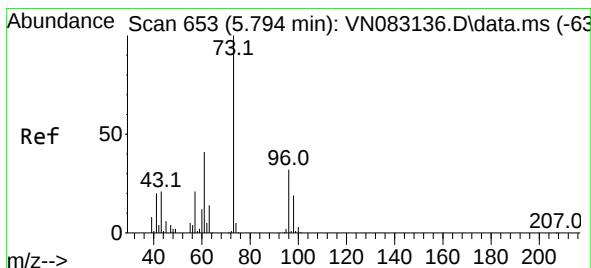
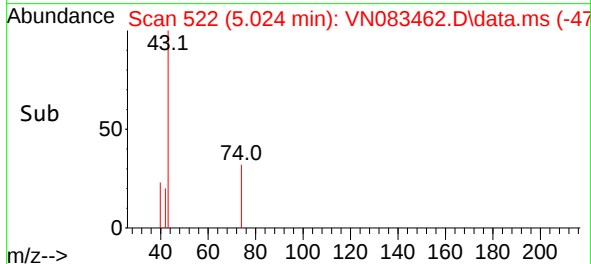
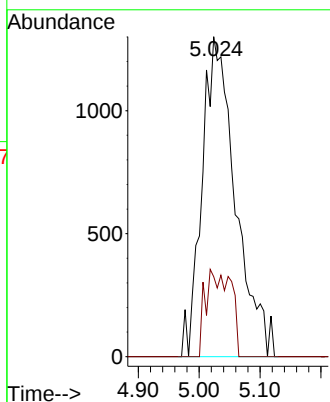


#18
Methyl Acetate
Concen: 2.439 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN083462.D
Acq: 23 Aug 2024 15:55

Instrument :
MSVOA_N
ClientSampleId :

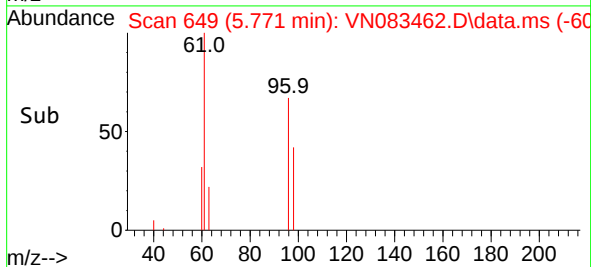
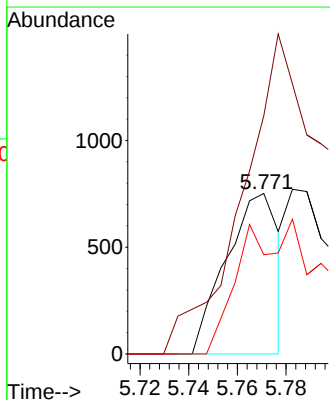
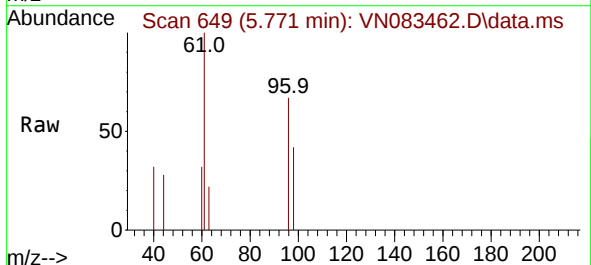


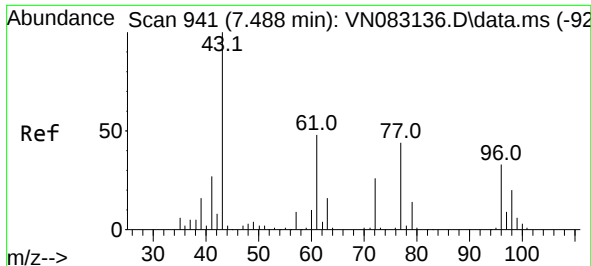
Tgt Ion: 43 Resp: 4969
Ion Ratio Lower Upper
43 100
74 10.2 16.3 24.5#



#21
trans-1,2-Dichloroethene
Concen: 0.799 ug/l
RT: 5.771 min Scan# 649
Delta R.T. -0.024 min
Lab File: VN083462.D
Acq: 23 Aug 2024 15:55

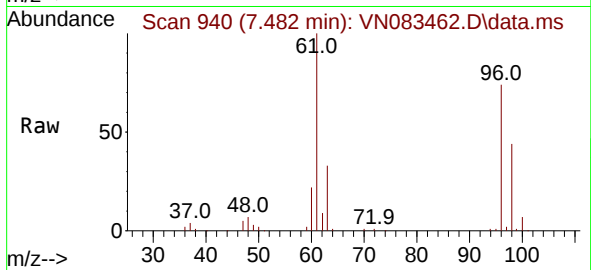
Tgt Ion: 96 Resp: 1124
Ion Ratio Lower Upper
96 100
61 124.9 123.4 185.2
98 61.8 49.3 73.9



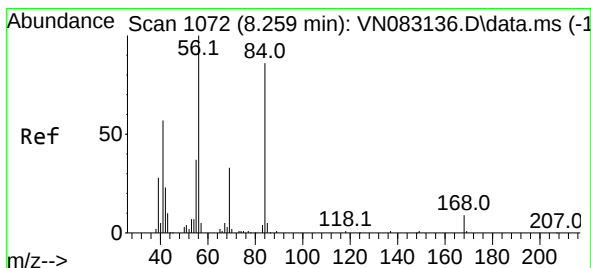
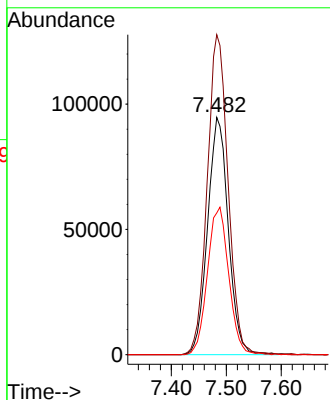
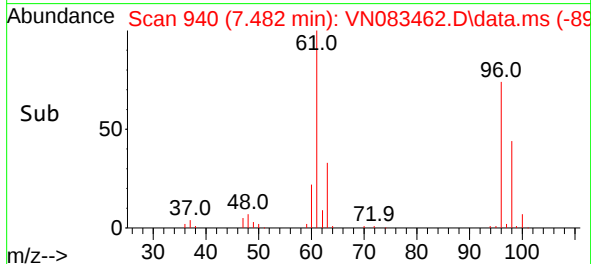


#27
 cis-1,2-Dichloroethene
 Concen: 146.087 ug/l
 RT: 7.482 min Scan# 941
 Delta R.T. -0.006 min
 Lab File: VN083462.D
 Acq: 23 Aug 2024 15:55

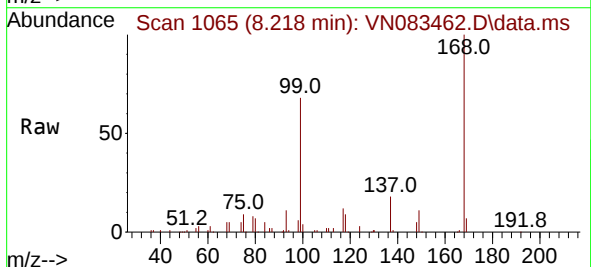
Instrument :
 MSVOA_N
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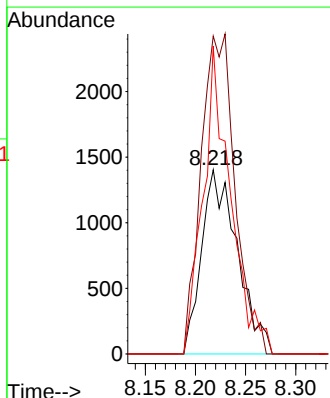
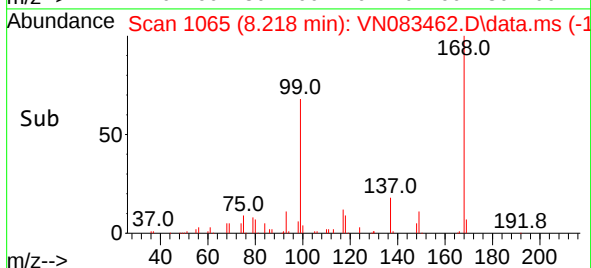
Tgt Ion:	96	Resp:	247981
Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	329.6
98	64.0	0.0	128.6

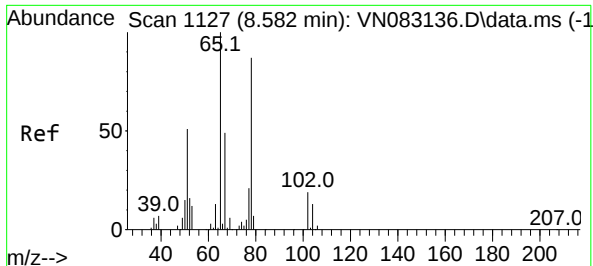


#31
 Cyclohexane
 Concen: 1.343 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.041 min
 Lab File: VN083462.D
 Acq: 23 Aug 2024 15:55



Tgt Ion:	56	Resp:	3479
Ion	Ratio	Lower	Upper
56	100		
69	172.6	24.5	36.7#
84	167.2	66.0	99.0#





#33

1,2-Dichloroethane-d4

Concen: 57.760 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN083462.D

Acq: 23 Aug 2024 15:55

Instrument :

MSVOA_N

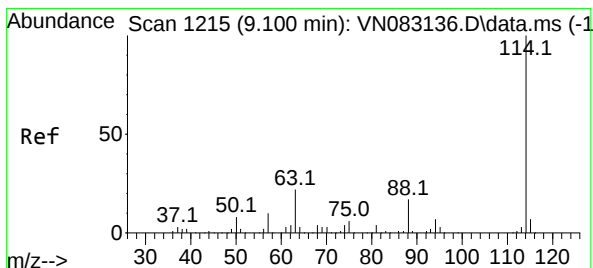
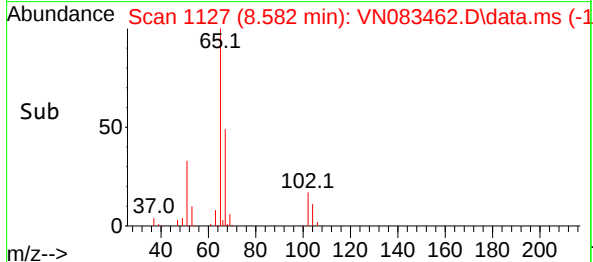
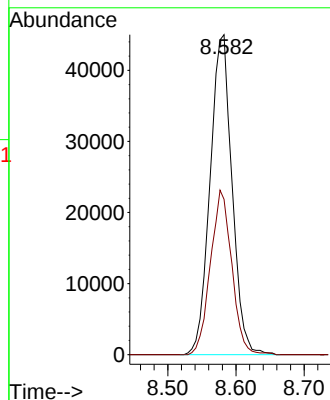
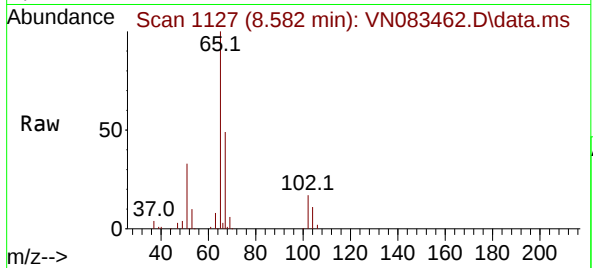
ClientSampleId :

Tgt Ion: 65 Resp: 100945

Ion Ratio Lower Upper

65 100

67 50.0 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN083462.D

Acq: 23 Aug 2024 15:55

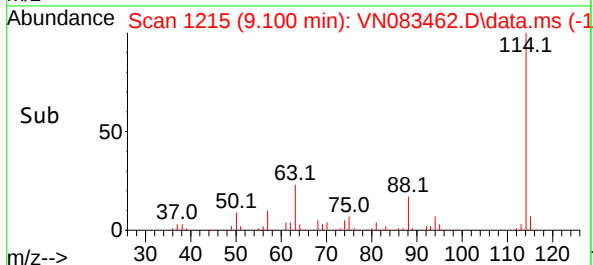
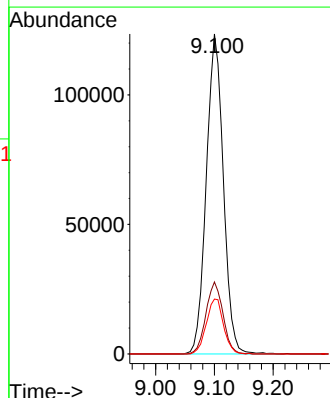
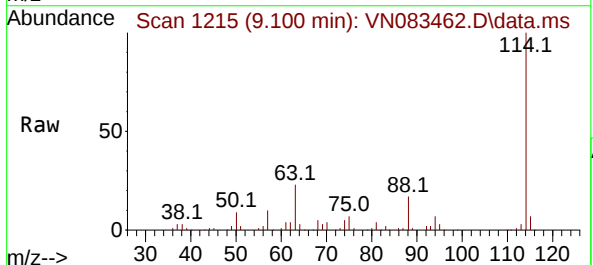
Tgt Ion: 114 Resp: 249387

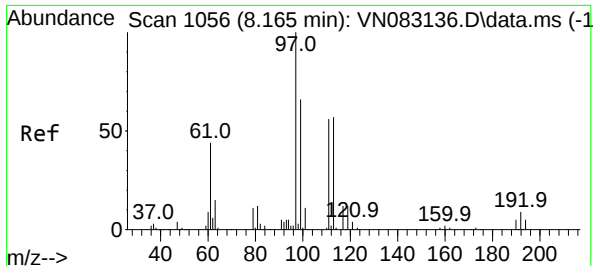
Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.6

88 17.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.061 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083462.D

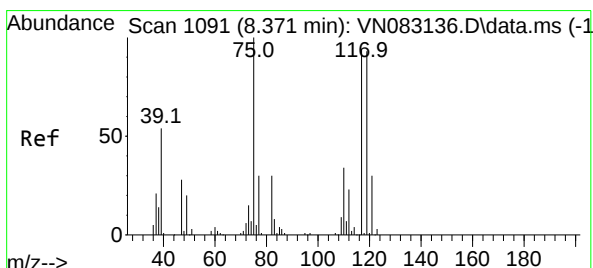
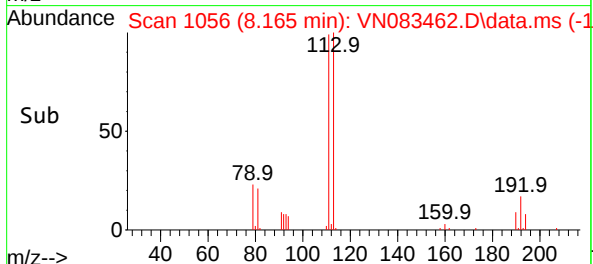
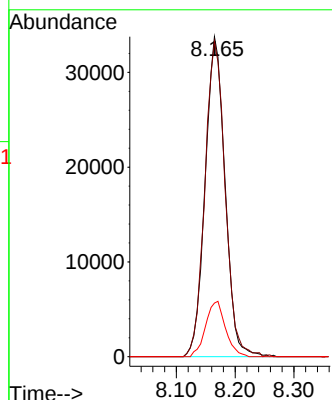
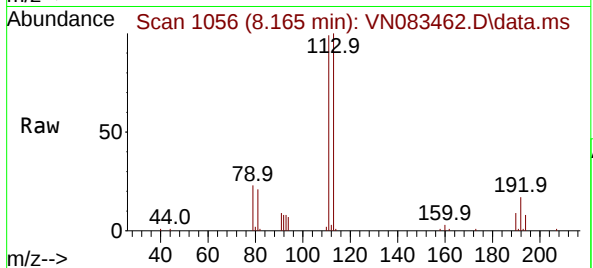
Acq: 23 Aug 2024 15:55

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	113	Resp:	79482
Ion	Ratio	Lower	Upper
113	100		
111	100.4	82.4	123.6
192	17.3	14.9	22.3



#36

1,1-Dichloropropene

Concen: 4.442 ug/l

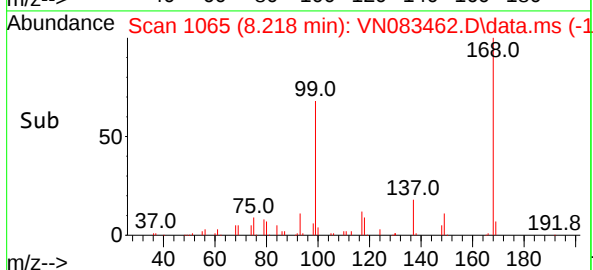
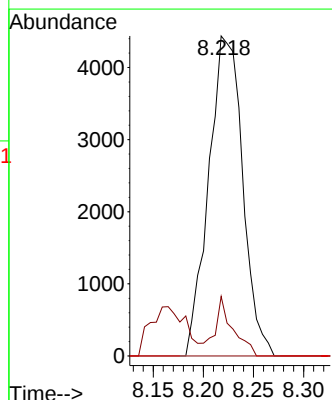
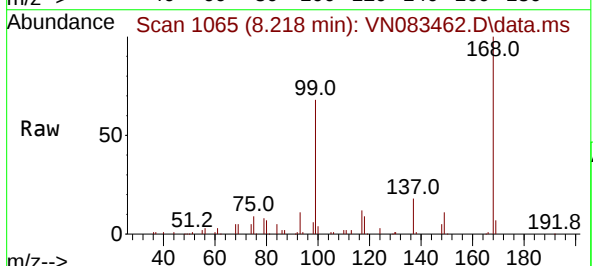
RT: 8.218 min Scan# 1065

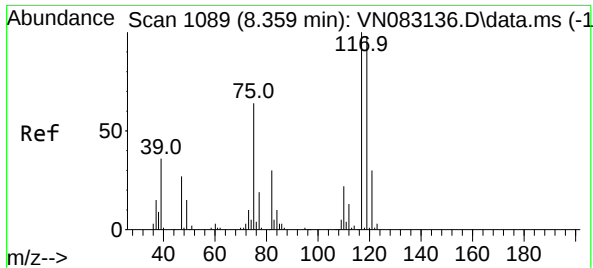
Delta R.T. -0.153 min

Lab File: VN083462.D

Acq: 23 Aug 2024 15:55

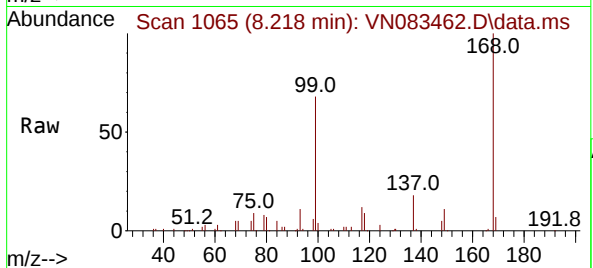
Tgt Ion:	75	Resp:	10460
Ion	Ratio	Lower	Upper
75	100		
110	9.5	16.3	48.9#
77	0.0	24.6	37.0#



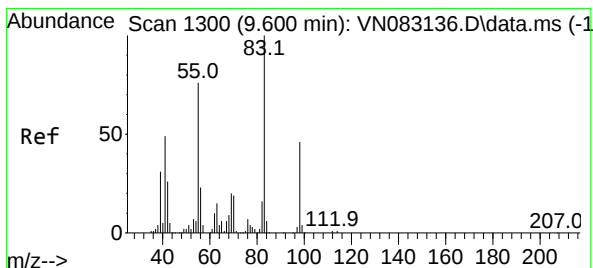
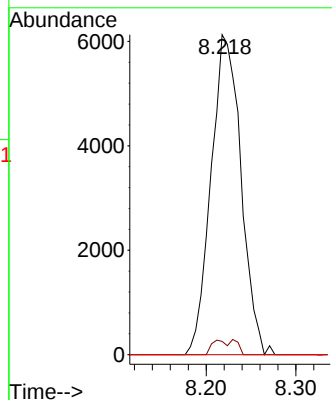
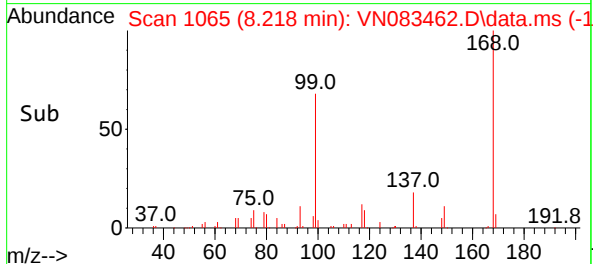


#38
Carbon Tetrachloride
Concen: 5.360 ug/l
RT: 8.218 min Scan# 117
Delta R.T. -0.141 min
Lab File: VN083462.D
Acq: 23 Aug 2024 15:55

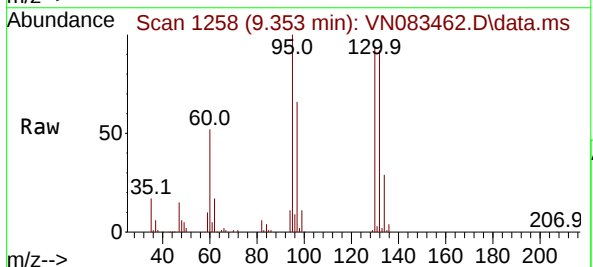
Instrument :
MSVOA_N
ClientSampleId :



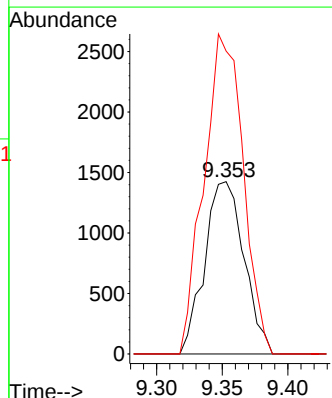
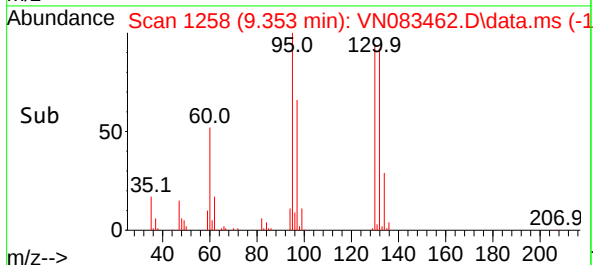
Tgt Ion:117 Resp: 14217
Ion Ratio Lower Upper
117 100
119 4.2 74.9 112.3#
121 0.0 24.3 36.5#

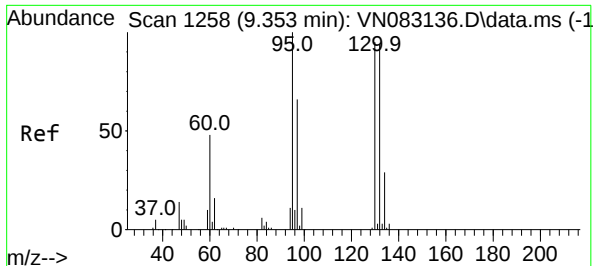


#39
Methylcyclohexane
Concen: 1.028 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.247 min
Lab File: VN083462.D
Acq: 23 Aug 2024 15:55



Tgt Ion: 83 Resp: 2974
Ion Ratio Lower Upper
83 100
55 0.0 66.4 99.6#
98 175.6 40.7 61.1#



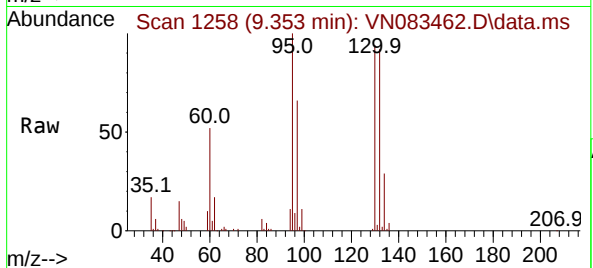


#44
Trichloroethene
Concen: 126.597 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083462.D
Acq: 23 Aug 2024 15:55

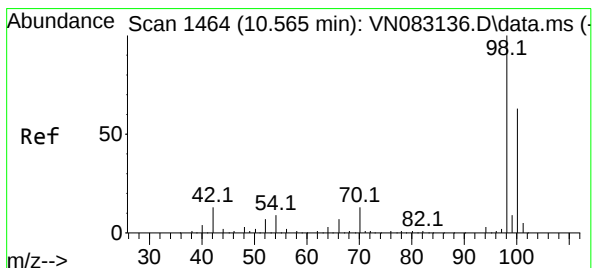
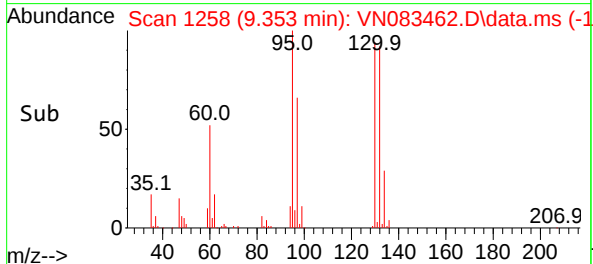
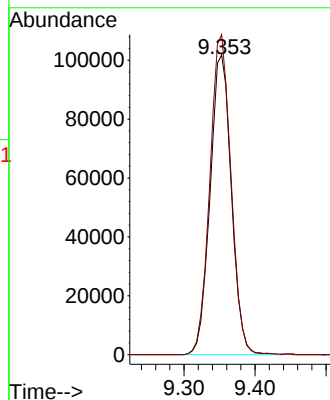
Instrument :

MSVOA_N

ClientSampleId :

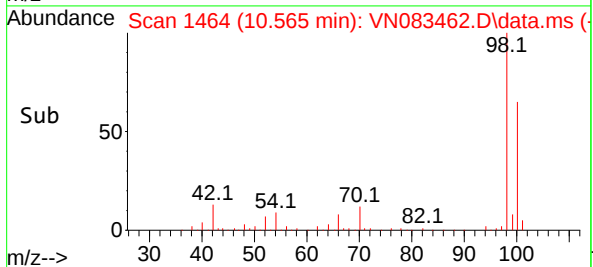
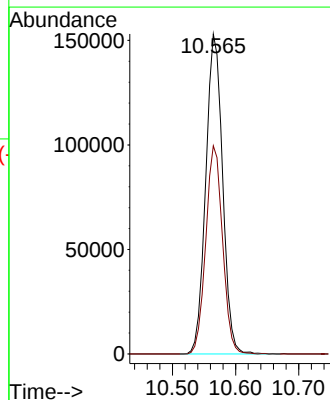
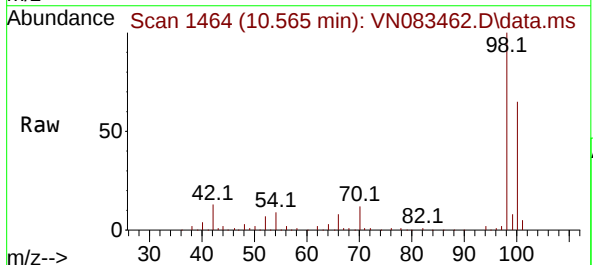


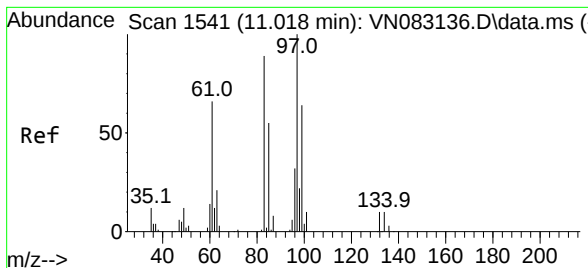
Tgt Ion:130 Resp: 211377
Ion Ratio Lower Upper
130 100
95 106.8 0.0 197.8



#50
Toluene-d8
Concen: 48.829 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083462.D
Acq: 23 Aug 2024 15:55

Tgt Ion: 98 Resp: 283527
Ion Ratio Lower Upper
98 100
100 64.8 51.5 77.3





#55

1,1,2-Trichloroethane

Concen: 10.849 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. 0.082 min

Lab File: VN083462.D

Acq: 23 Aug 2024 15:55

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 97 Resp: 17233

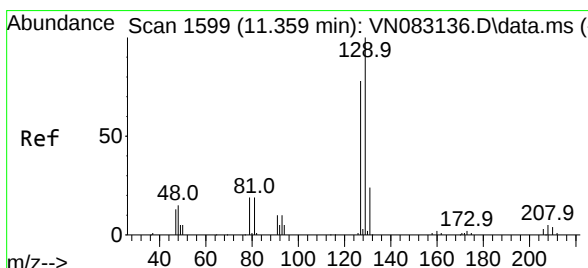
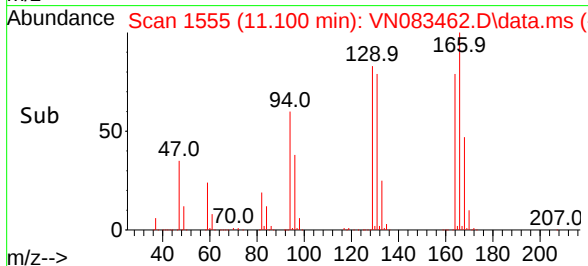
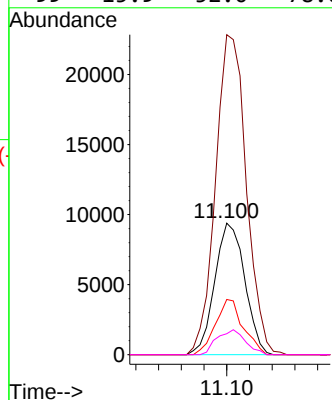
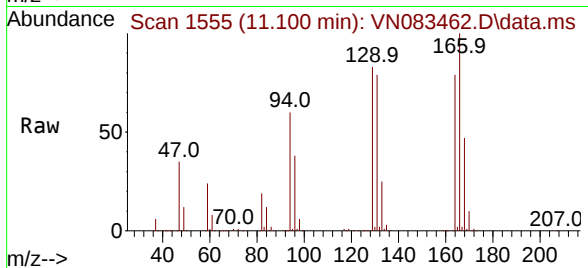
Ion Ratio Lower Upper

97 100

83 243.3 71.4 107.0#

85 42.0 45.8 68.6#

99 15.9 52.0 78.0#



#60

Dibromochloromethane

Concen: 901.340 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.253 min

Lab File: VN083462.D

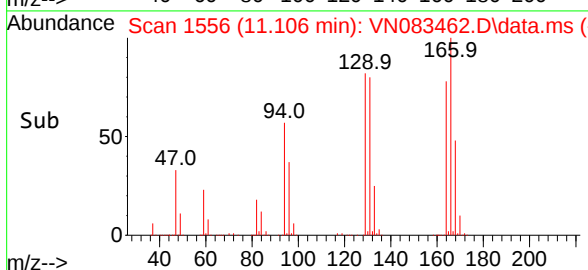
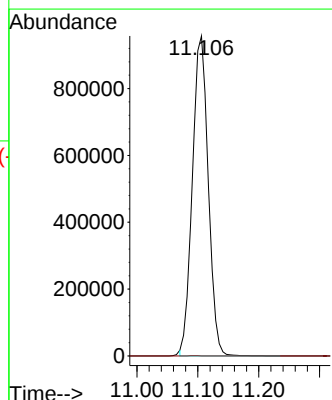
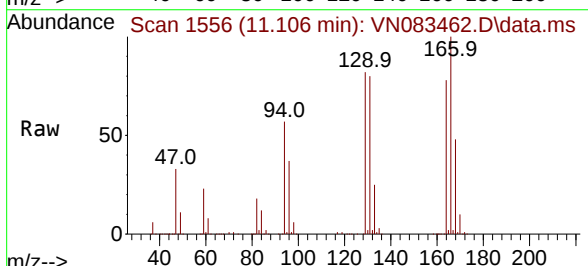
Acq: 23 Aug 2024 15:55

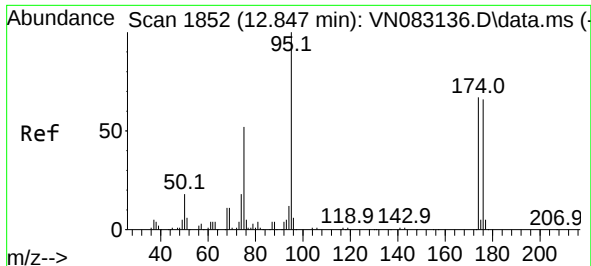
Tgt Ion:129 Resp: 1730943

Ion Ratio Lower Upper

129 100

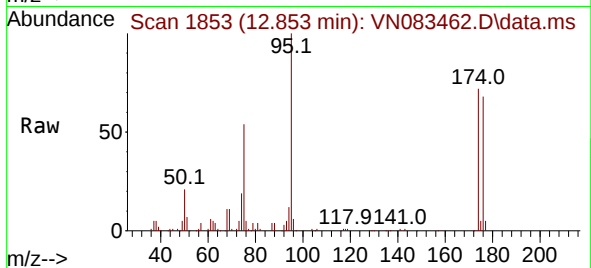
127 0.0 39.2 117.6#



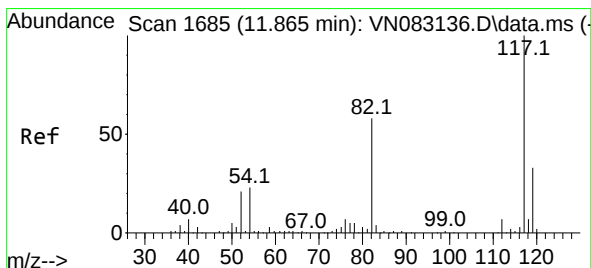
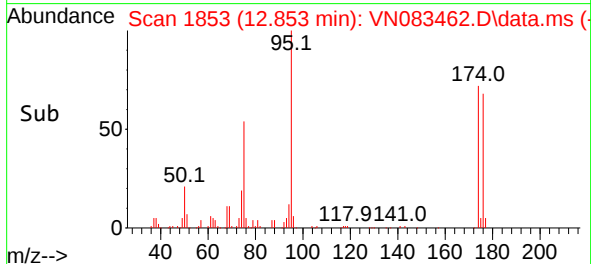
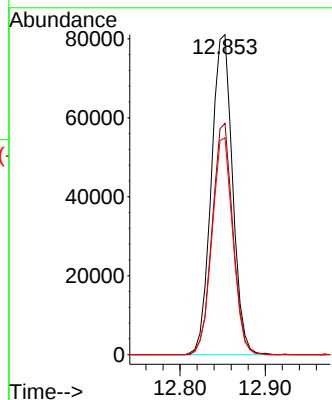


#62
4-Bromofluorobenzene
Concen: 61.979 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN083462.D
Acq: 23 Aug 2024 15:55

Instrument :
MSVOA_N
ClientSampleId :

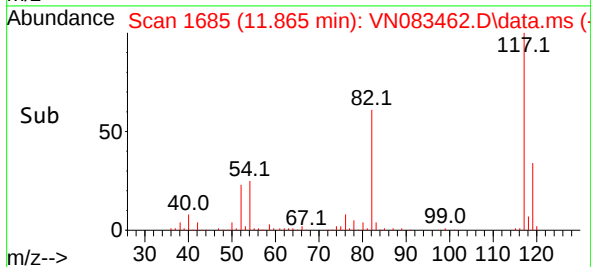
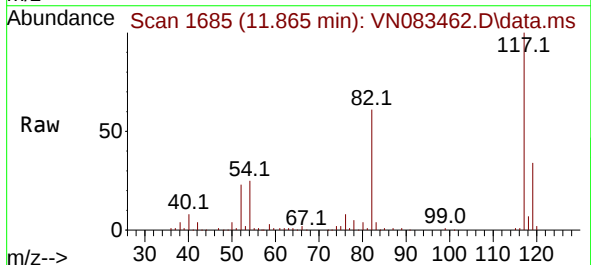
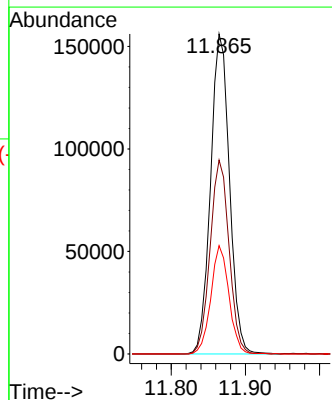


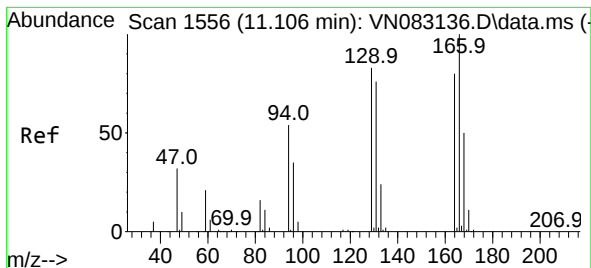
Tgt Ion: 95 Resp: 140304
Ion Ratio Lower Upper
95 100
174 70.6 0.0 159.2
176 66.8 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083462.D
Acq: 23 Aug 2024 15:55

Tgt Ion: 117 Resp: 276626
Ion Ratio Lower Upper
117 100
82 60.6 47.5 71.3
119 33.9 25.6 38.4





#64

Tetrachloroethene

Concen: 911.249 ug/l

RT: 11.106 min Scan# 11

Delta R.T. -0.000 min

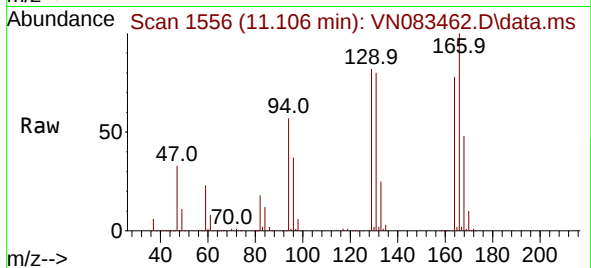
Lab File: VN083462.D

Acq: 23 Aug 2024 15:55

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:164 Resp: 1669432

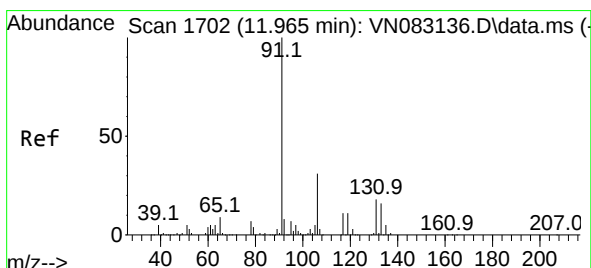
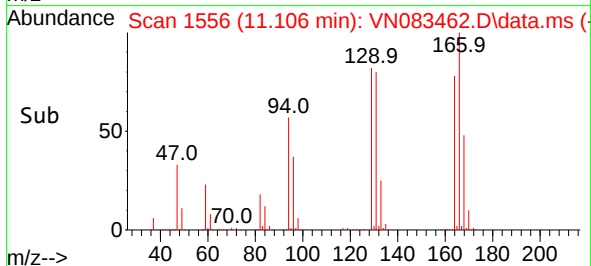
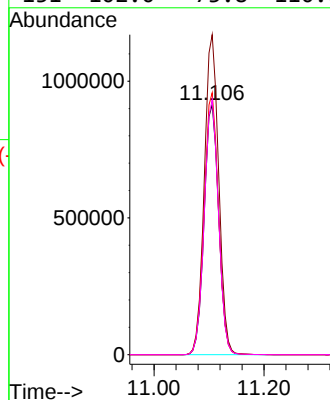
Ion Ratio Lower Upper

164 100

166 128.1 101.4 152.0

129 104.8 75.7 113.5

131 102.0 73.8 110.6



#67

Ethyl Benzene

Concen: 0.349 ug/l

RT: 11.970 min Scan# 1703

Delta R.T. 0.006 min

Lab File: VN083462.D

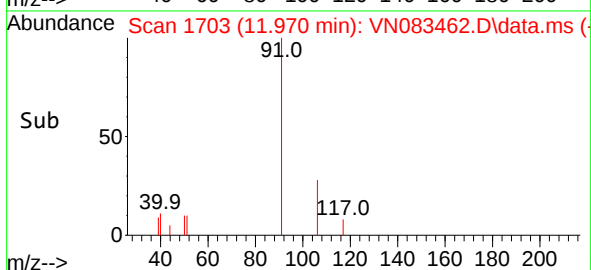
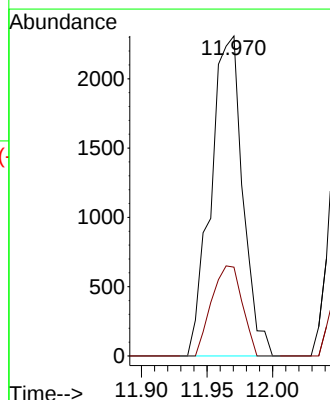
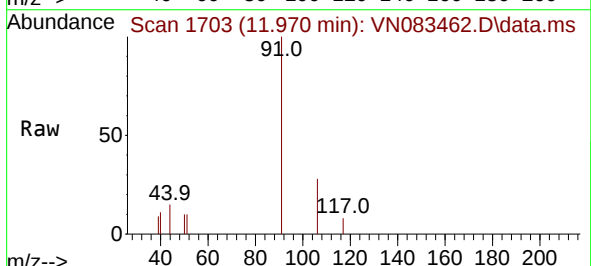
Acq: 23 Aug 2024 15:55

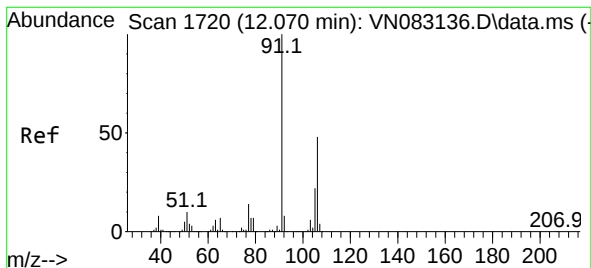
Tgt Ion: 91 Resp: 3909

Ion Ratio Lower Upper

91 100

106 27.8 24.0 36.0

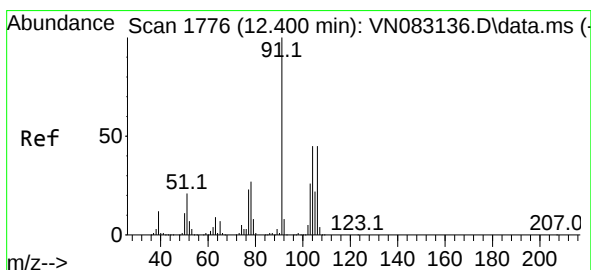
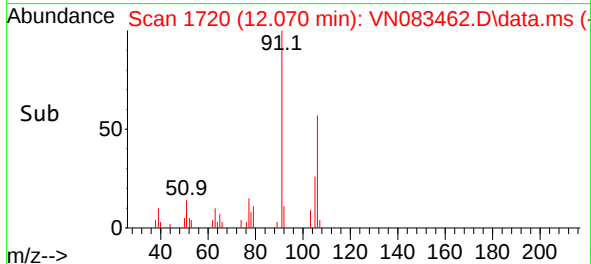
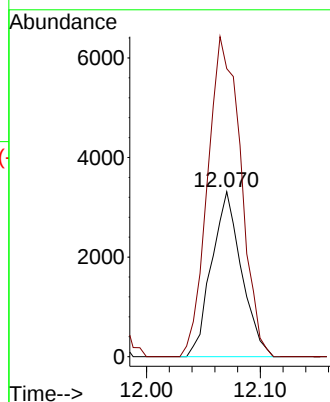
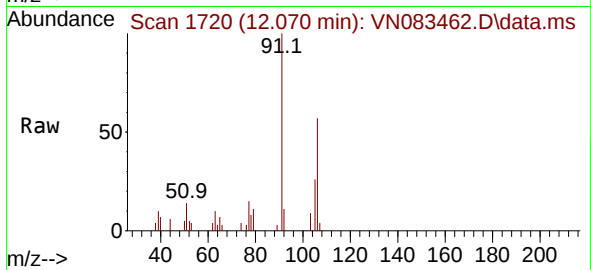




#68
m/p-Xylenes
Concen: 1.442 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN083462.D
Acq: 23 Aug 2024 15:55

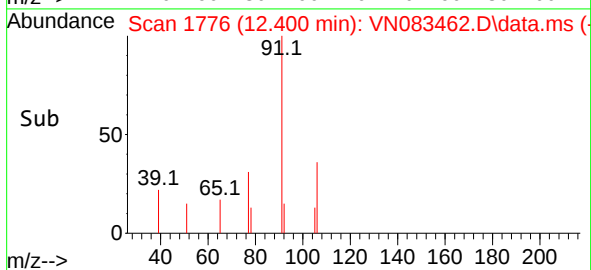
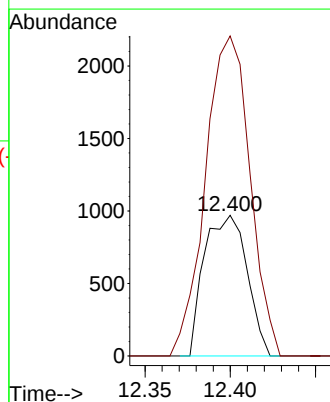
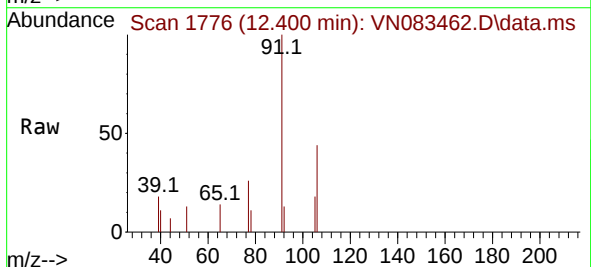
Instrument :
MSVOA_N
ClientSampleId :

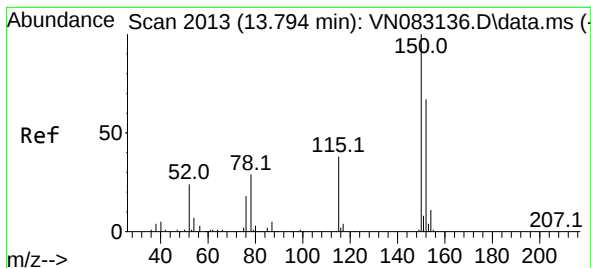
Tgt Ion:106 Resp: 6058
Ion Ratio Lower Upper
106 100
91 215.4 166.1 249.1



#69
o-Xylene
Concen: 0.409 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN083462.D
Acq: 23 Aug 2024 15:55

Tgt Ion:106 Resp: 1693
Ion Ratio Lower Upper
106 100
91 237.0 111.3 333.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

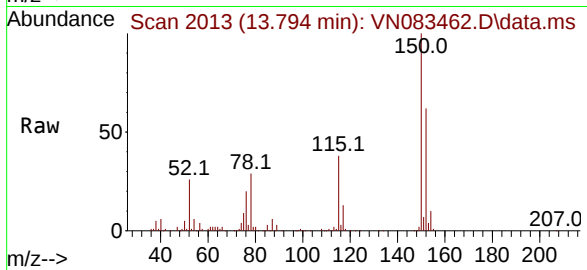
Lab File: VN083462.D

Acq: 23 Aug 2024 15:55

Instrument :

MSVOA_N

ClientSampleId :



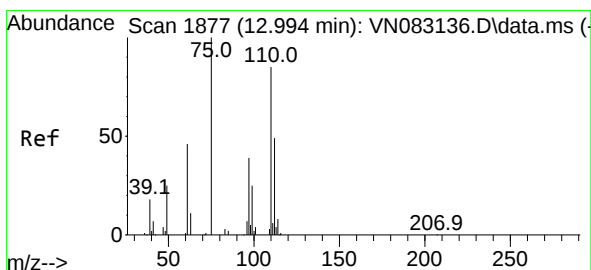
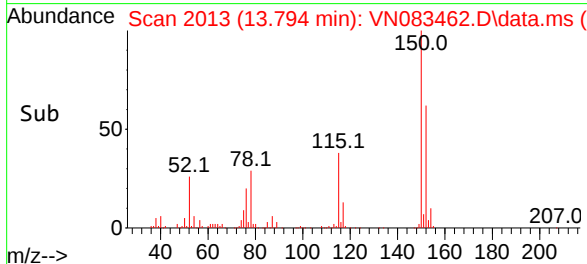
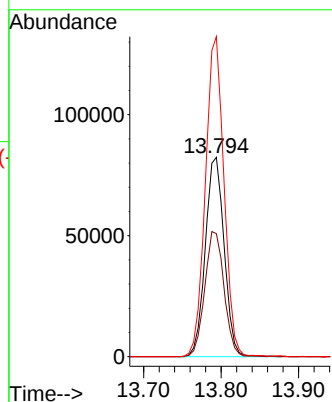
Tgt Ion:152 Resp: 139204

Ion Ratio Lower Upper

152 100

115 64.3 30.6 91.6

150 158.1 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 25.703 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083462.D

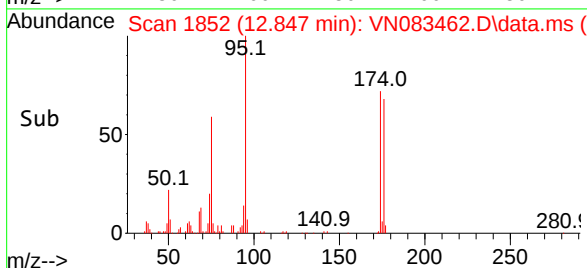
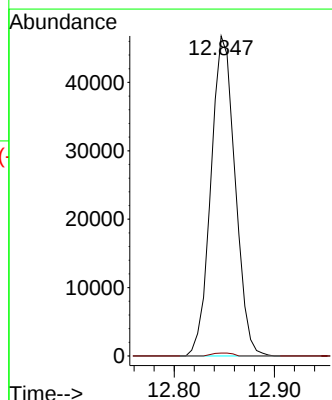
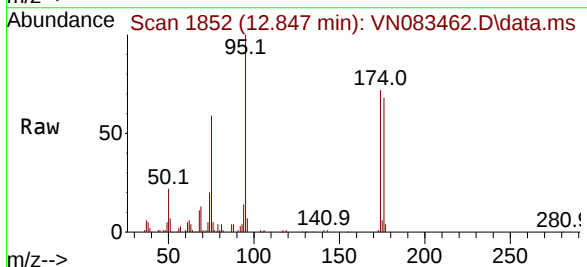
Acq: 23 Aug 2024 15:55

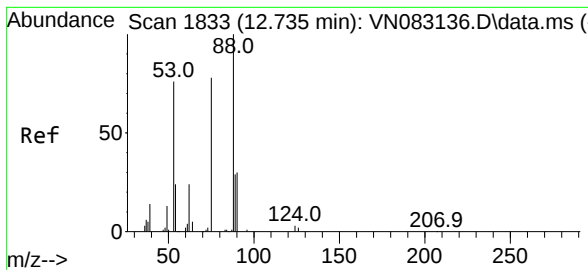
Tgt Ion: 75 Resp: 78527

Ion Ratio Lower Upper

75 100

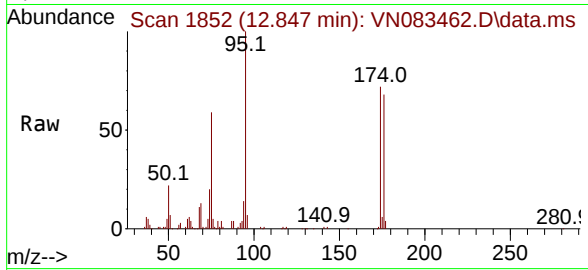
77 0.8 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.910 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083462.D
 Acq: 23 Aug 2024 15:55

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	78527
Ion	Ratio	Lower	Upper
75	100		
53	0.0	88.4	132.6#
89	0.0	36.3	54.5#

