

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
 Data File : VN083463.D
 Acq On : 23 Aug 2024 16:20
 Operator : JC\MD
 Sample : P3716-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 24 00:03:44 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)

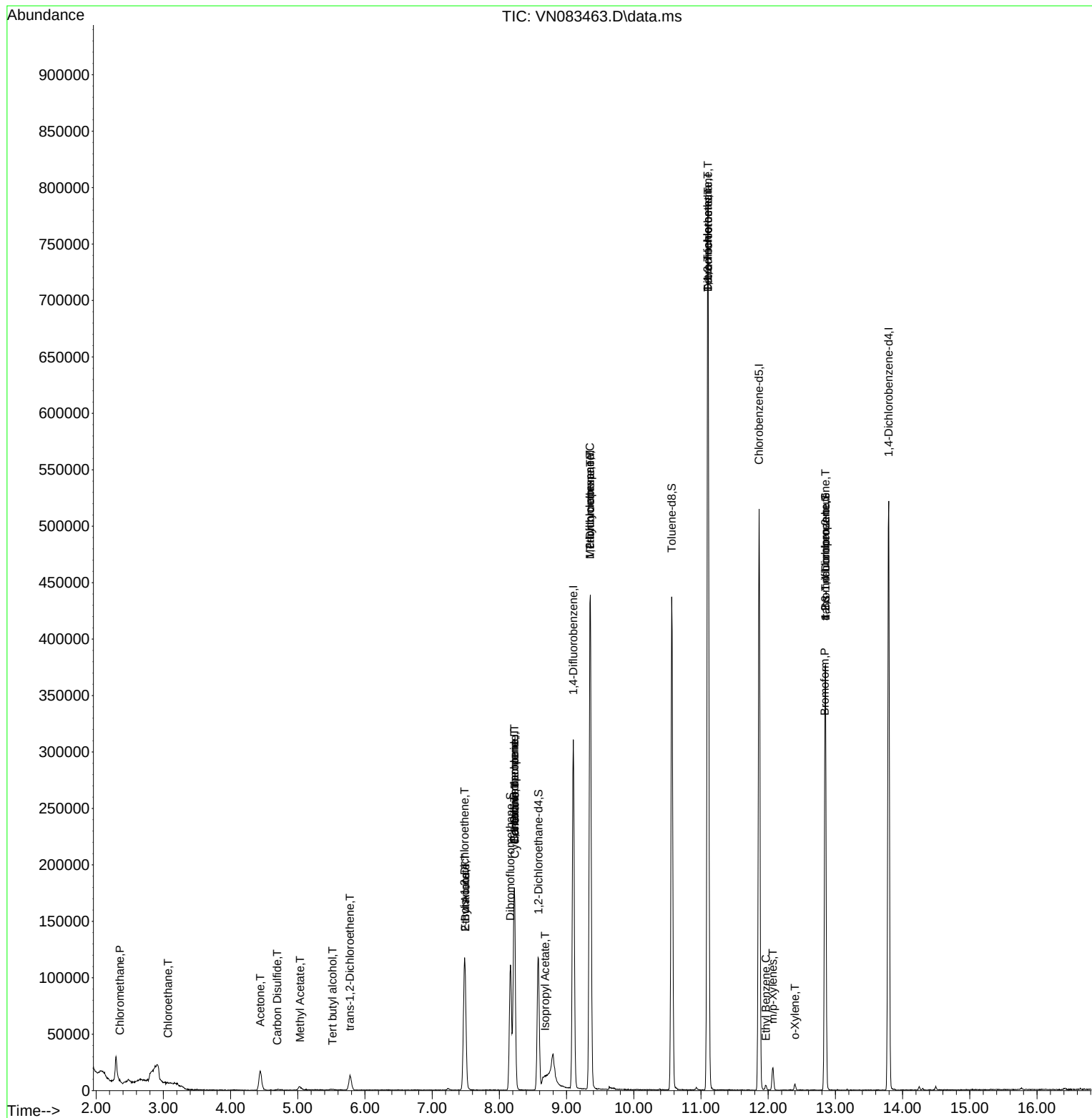
Internal Standards						
1) Pentafluorobenzene	8.224	168	126240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	255804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	134088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	101443	56.455	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.900%
35) Dibromofluoromethane	8.165	113	78536	49.187	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.380%
50) Toluene-d8	10.565	98	290632	48.797	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.600%
62) 4-Bromofluorobenzene	12.853	95	136651	58.851	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	117.700%
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	606	0.413	ug/l #	43
6) Chloroethane	3.071	64	486	0.519	ug/l	98
11) Tert butyl alcohol	5.518	59	137	0.367	ug/l #	71
16) Acetone	4.442	43	4232	6.019	ug/l #	84
17) Carbon Disulfide	4.694	76	1661	0.406	ug/l #	75
18) Methyl Acetate	5.036	43	6894	3.291	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	7996	5.528	ug/l	94
25) 2-Butanone	7.494	43	706	0.654	ug/l #	1
27) cis-1,2-Dichloroethene	7.483	96	69599	39.878	ug/l	83
31) Cyclohexane	8.230	56	3255	1.222	ug/l #	41
36) 1,1-Dichloropropene	8.224	75	11766	4.871	ug/l #	52
37) Ethyl Acetate	7.494	43	706	0.261	ug/l #	1
38) Carbon Tetrachloride	8.224	117	14721	5.411	ug/l #	15
39) Methylcyclohexane	9.347	83	2128	0.717	ug/l #	1
43) Isopropyl Acetate	8.682	43	14688	1.531	ug/l #	60
44) Trichloroethene	9.353	130	154108	89.983	ug/l	92
45) 1,2-Dichloropropane	9.347	63	496	0.290	ug/l #	1
55) 1,1,2-Trichloroethane	11.100	97	1822	1.118	ug/l #	31
60) Dibromochloromethane	11.106	129	176501	89.602	ug/l #	10
64) Tetrachloroethene	11.106	164	173009	94.689	ug/l	96
67) Ethyl Benzene	11.965	91	3546	0.317	ug/l	95
68) m/p-Xylenes	12.070	106	6815	1.627	ug/l	98
69) o-Xylene	12.400	106	1918	0.464	ug/l	89
71) Bromoform	12.841	173	441	0.271	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	73873	25.102	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	73873	54.603	ug/l #	6

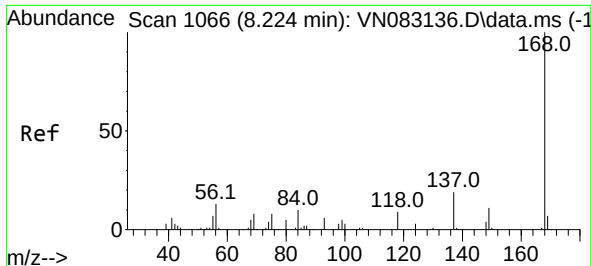
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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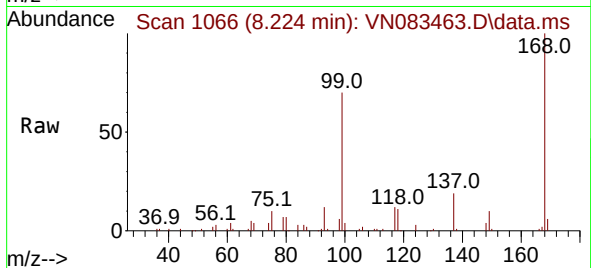
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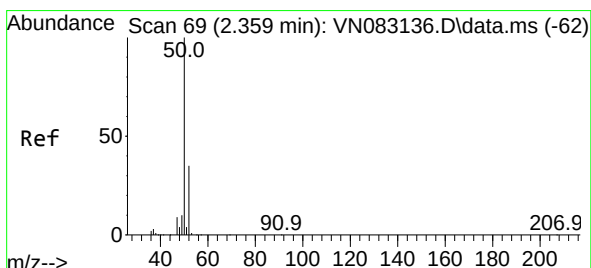
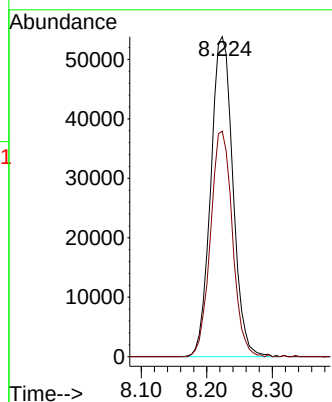
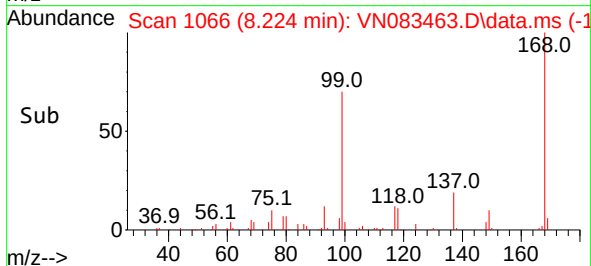


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20

Instrument :
MSVOA_N
ClientSampleId :

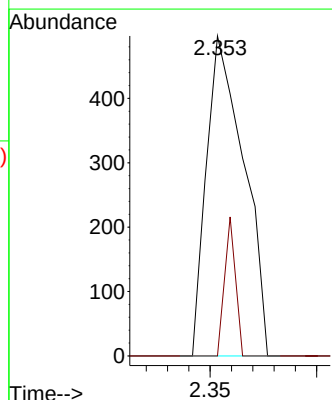
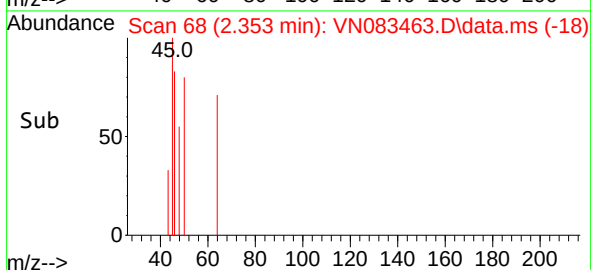
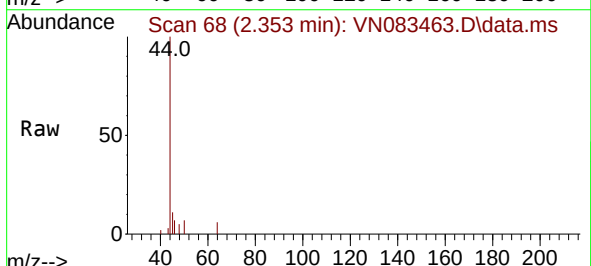


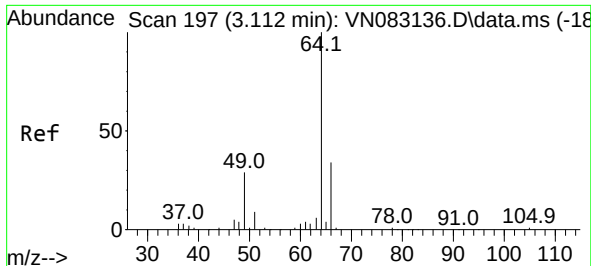
Tgt Ion:168 Resp: 126240
Ion Ratio Lower Upper
168 100
99 70.4 48.2 72.4



#3
Chloromethane
Concen: 0.413 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20

Tgt Ion: 50 Resp: 606
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

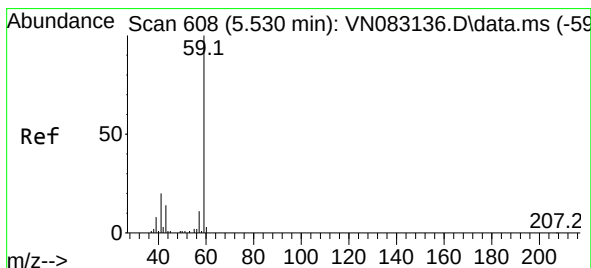
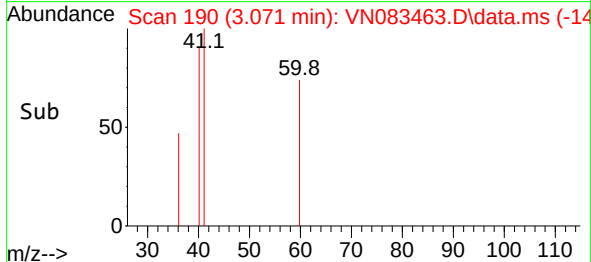
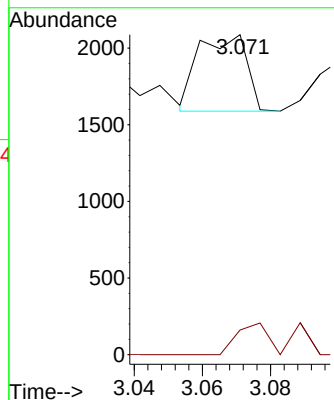
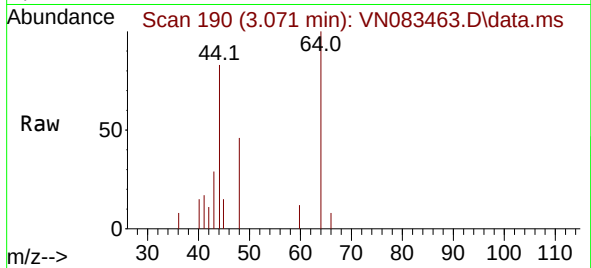




#6
Chloroethane
Concen: 0.519 ug/l
RT: 3.071 min Scan# 197
Delta R.T. -0.041 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20

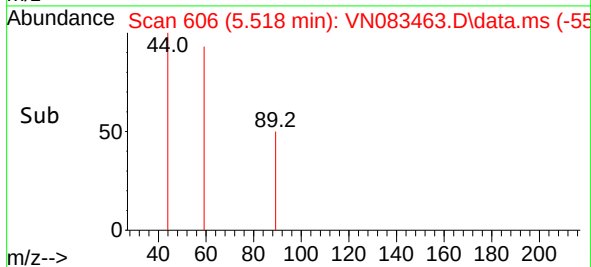
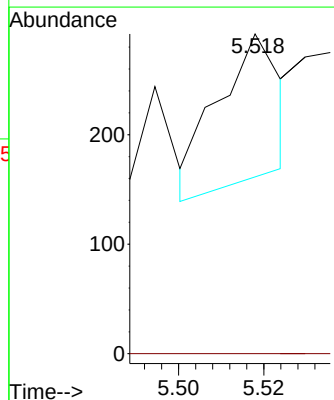
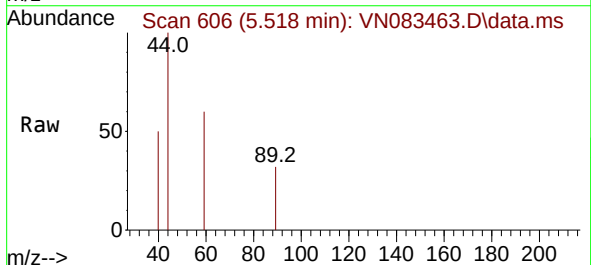
Instrument :
MSVOA_N
ClientSampleId :

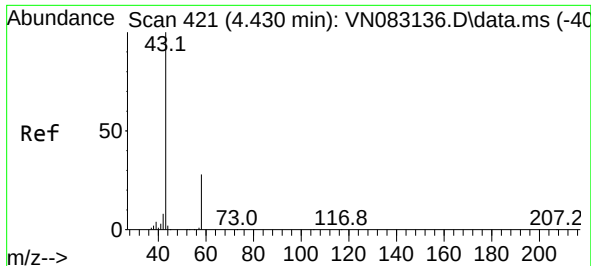
Tgt Ion: 64 Resp: 486
Ion Ratio Lower Upper
64 100
66 32.3 26.6 40.0



#11
Tert butyl alcohol
Concen: 0.367 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.012 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20

Tgt Ion: 59 Resp: 137
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#





#16

Acetone

Concen: 6.019 ug/l

RT: 4.442 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN083463.D

Acq: 23 Aug 2024 16:20

Instrument :

MSVOA_N

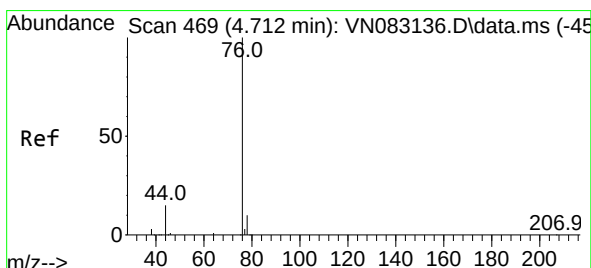
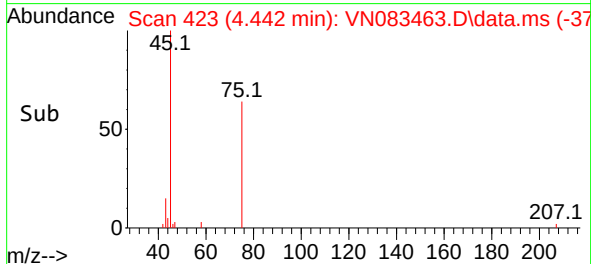
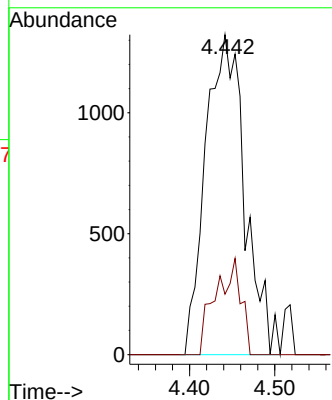
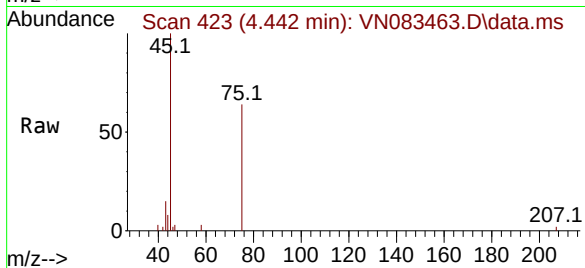
ClientSampleId :

Tgt Ion: 43 Resp: 4232

Ion Ratio Lower Upper

43 100

58 18.9 21.8 32.6#



#17

Carbon Disulfide

Concen: 0.406 ug/l

RT: 4.694 min Scan# 466

Delta R.T. -0.018 min

Lab File: VN083463.D

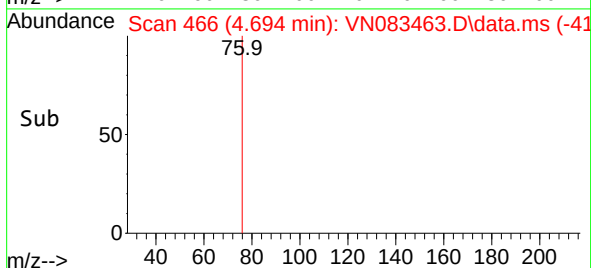
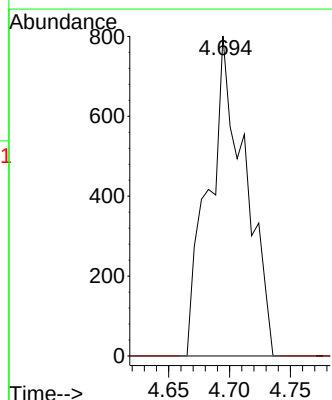
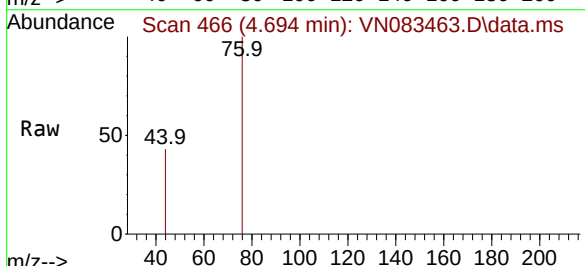
Acq: 23 Aug 2024 16:20

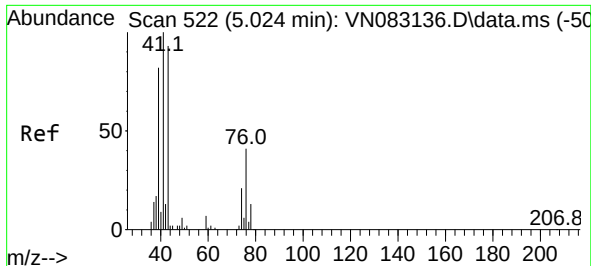
Tgt Ion: 76 Resp: 1661

Ion Ratio Lower Upper

76 100

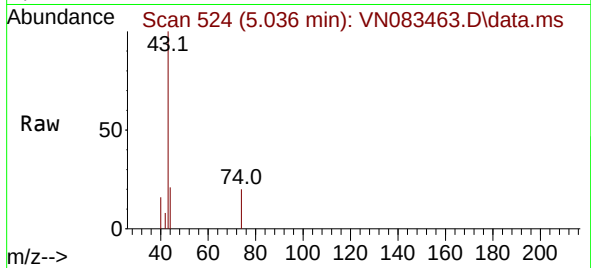
78 0.0 7.2 10.8#



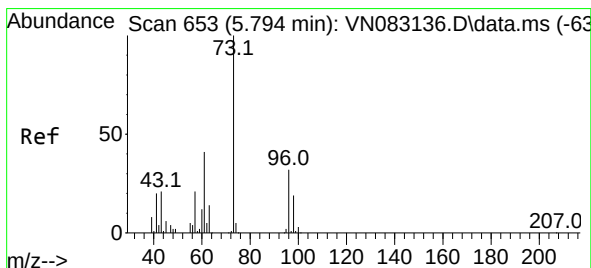
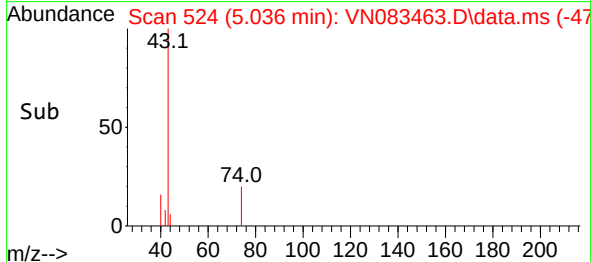
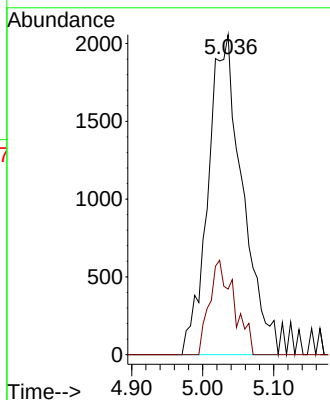


#18
Methyl Acetate
Concen: 3.291 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20

Instrument :
MSVOA_N
ClientSampleId :

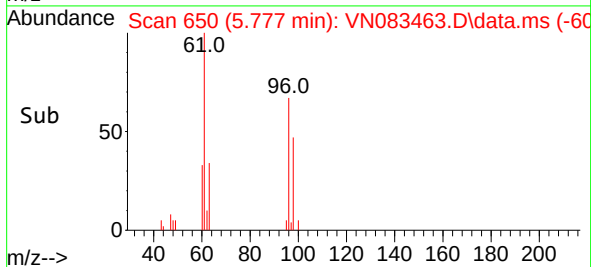
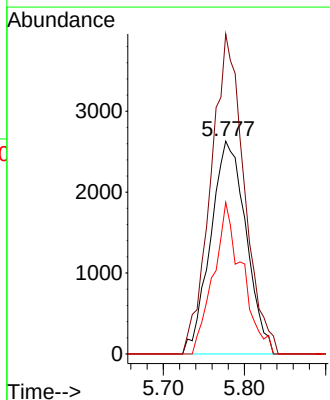
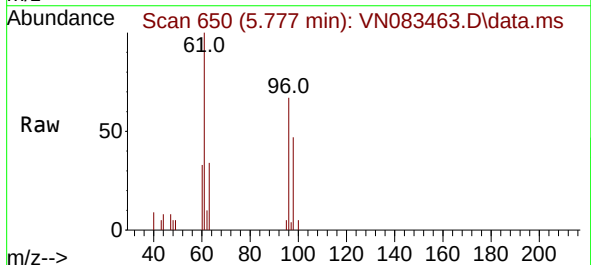


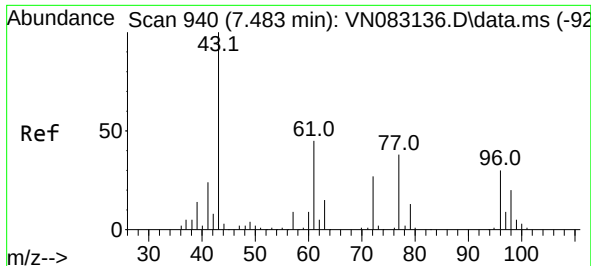
Tgt Ion: 43 Resp: 6894
Ion Ratio Lower Upper
43 100
74 21.3 16.3 24.5



#21
trans-1,2-Dichloroethene
Concen: 5.528 ug/l
RT: 5.777 min Scan# 650
Delta R.T. -0.018 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20

Tgt Ion: 96 Resp: 7996
Ion Ratio Lower Upper
96 100
61 150.4 123.4 185.2
98 71.2 49.3 73.9

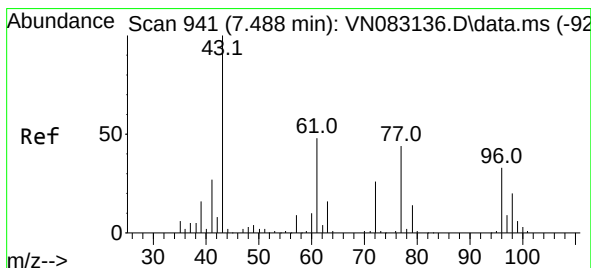
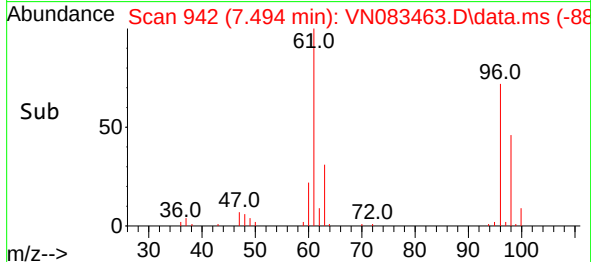
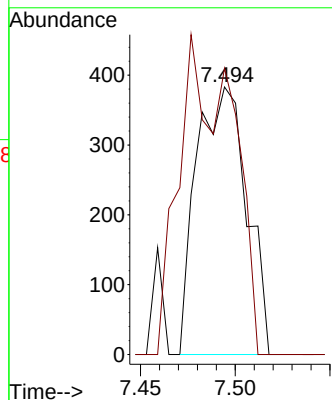
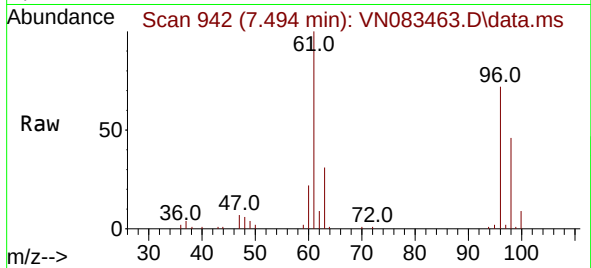




#25
2-Butanone
Concen: 0.654 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20

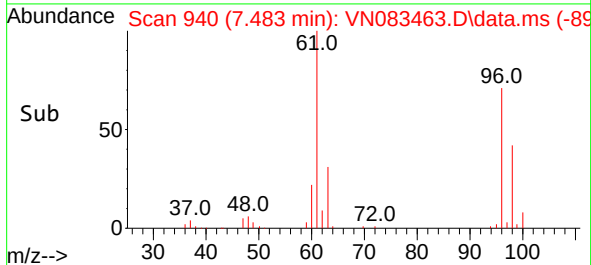
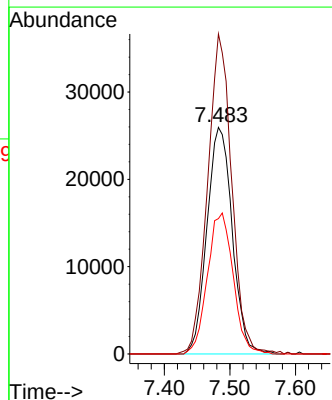
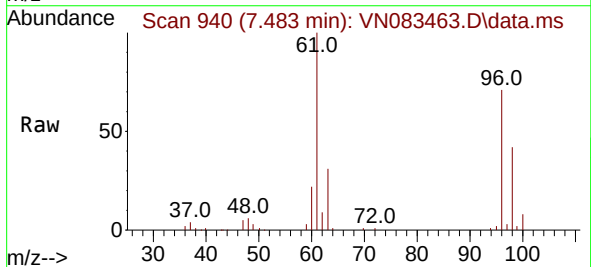
Instrument :
MSVOA_N
ClientSampleId :

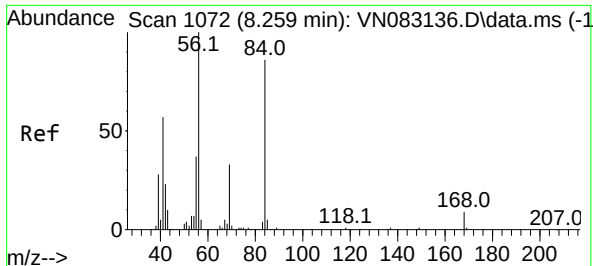
Tgt Ion: 43 Resp: 706
Ion Ratio Lower Upper
43 100
72 107.0 18.2 27.2#



#27
cis-1,2-Dichloroethene
Concen: 39.878 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20

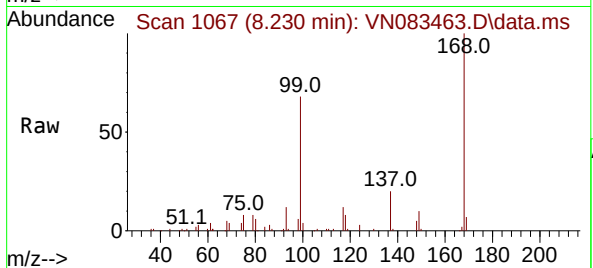
Tgt Ion: 96 Resp: 69599
Ion Ratio Lower Upper
96 100
61 134.4 0.0 329.6
98 63.2 0.0 128.6



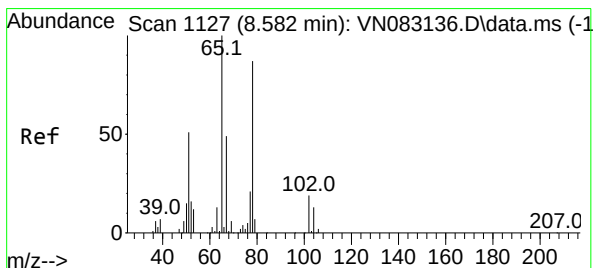
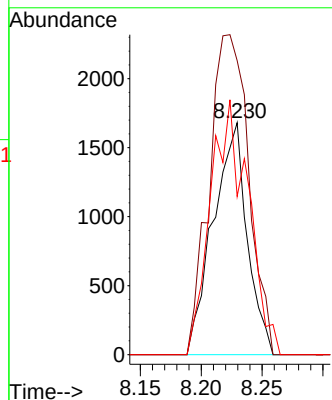
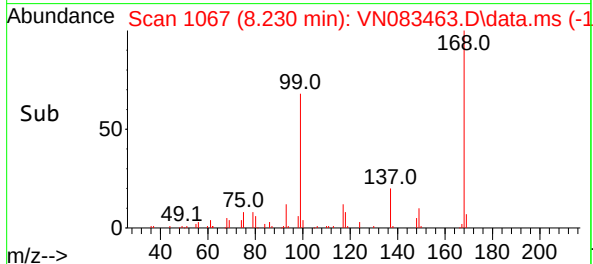


#31
Cyclohexane
Concen: 1.222 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20

Instrument :
MSVOA_N
ClientSampleId :

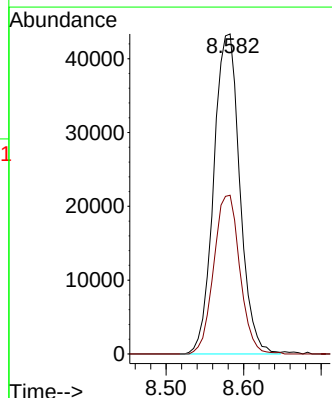
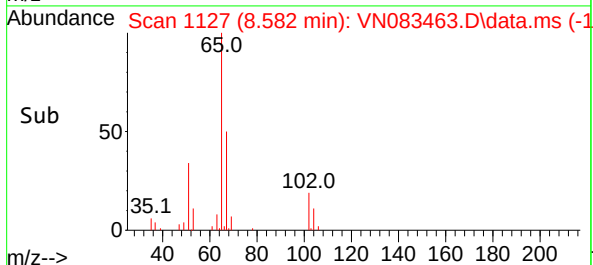
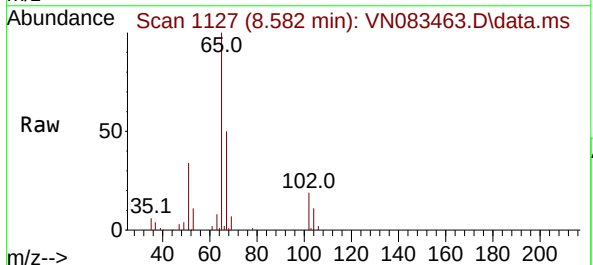


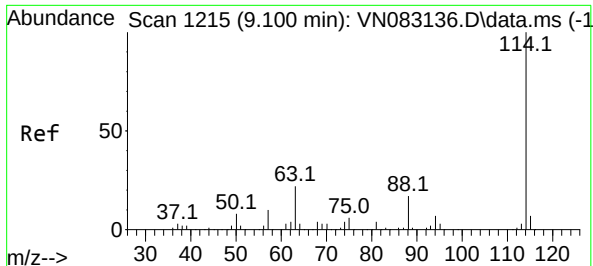
Tgt Ion: 56 Resp: 3255
Ion Ratio Lower Upper
56 100
69 126.8 24.5 36.7#
84 68.2 66.0 99.0



#33
1,2-Dichloroethane-d4
Concen: 56.455 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20

Tgt Ion: 65 Resp: 101443
Ion Ratio Lower Upper
65 100
67 49.6 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: VN083463.D

Acq: 23 Aug 2024 16:20

Instrument :

MSVOA_N

ClientSampleId :

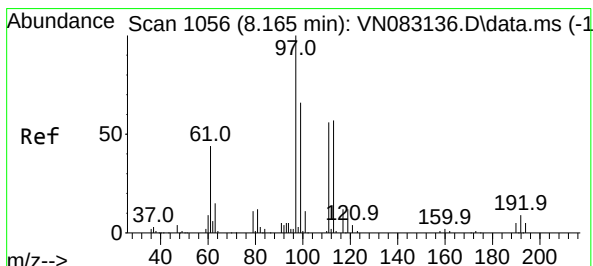
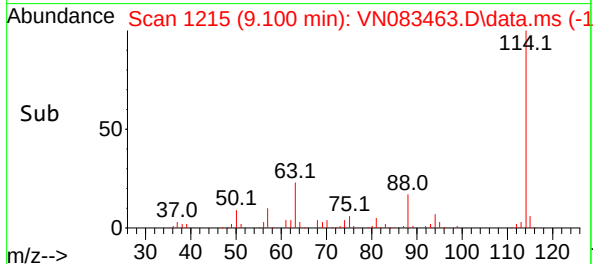
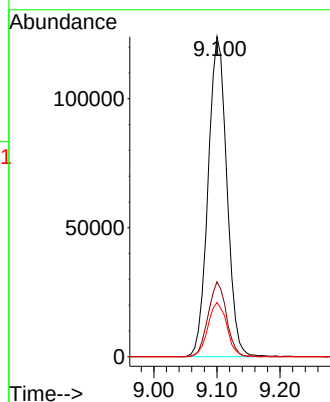
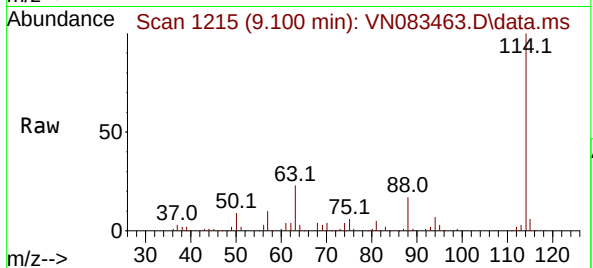
Tgt Ion:114 Resp: 255804

Ion Ratio Lower Upper

114 100

63 23.4 0.0 44.6

88 16.9 0.0 31.4



#35

Dibromofluoromethane

Concen: 49.187 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083463.D

Acq: 23 Aug 2024 16:20

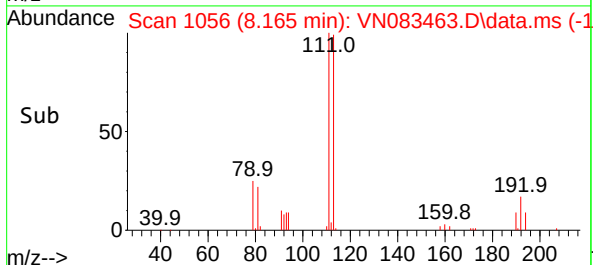
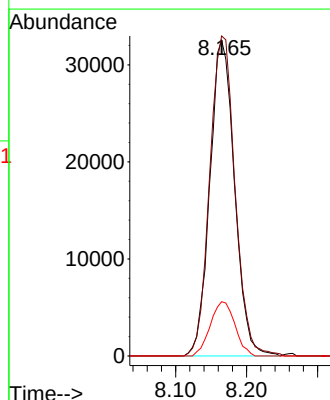
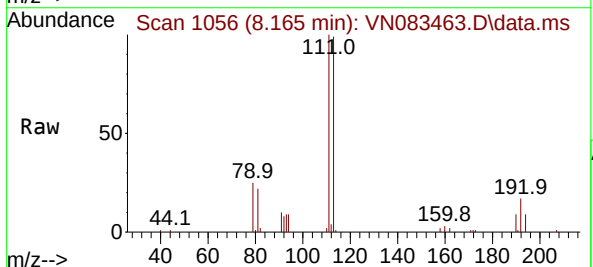
Tgt Ion:113 Resp: 78536

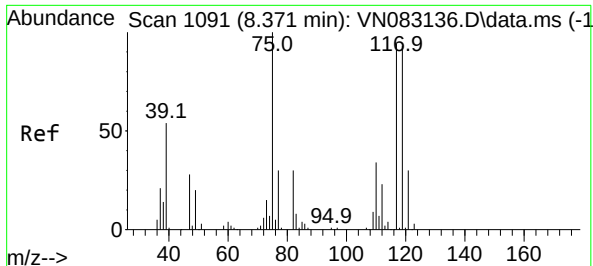
Ion Ratio Lower Upper

113 100

111 103.7 82.4 123.6

192 17.2 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.871 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.147 min

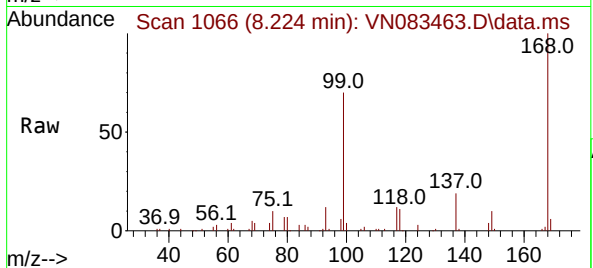
Lab File: VN083463.D

Acq: 23 Aug 2024 16:20

Instrument :

MSVOA_N

ClientSampleId :



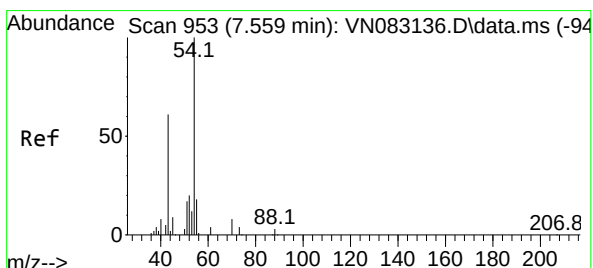
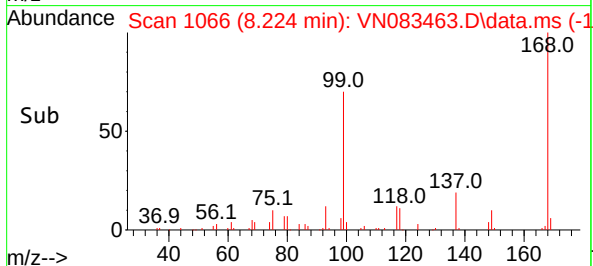
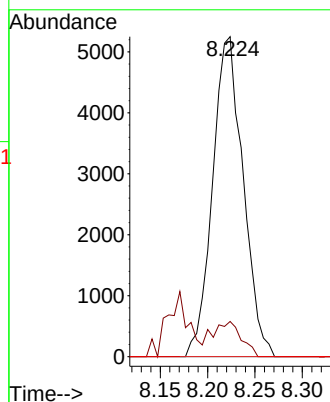
Tgt Ion: 75 Resp: 11766

Ion Ratio Lower Upper

75 100

110 10.5 16.3 48.9#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.261 ug/l

RT: 7.494 min Scan# 942

Delta R.T. -0.065 min

Lab File: VN083463.D

Acq: 23 Aug 2024 16:20

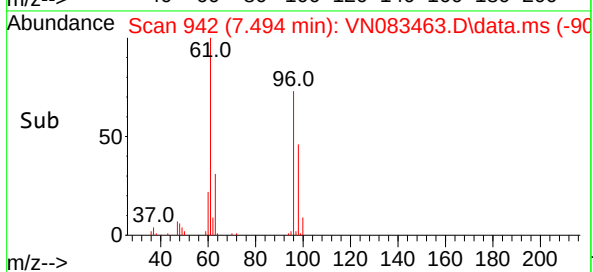
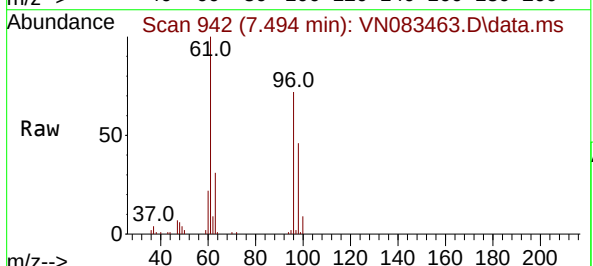
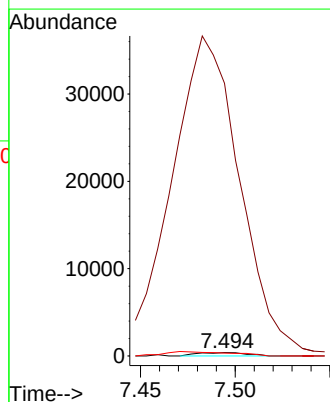
Tgt Ion: 43 Resp: 706

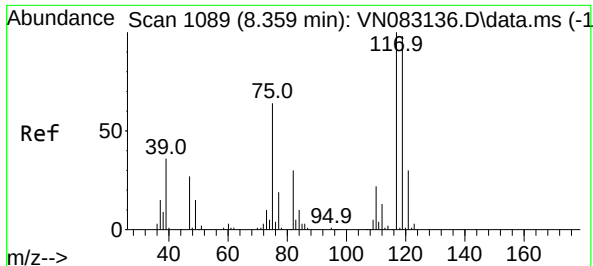
Ion Ratio Lower Upper

43 100

61 13249.7 9.3 13.9#

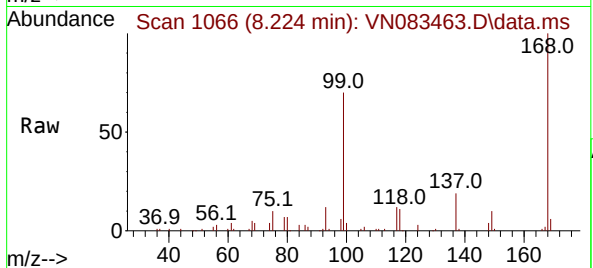
70 0.0 7.0 10.6#



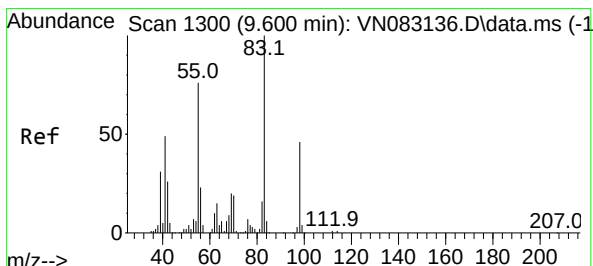
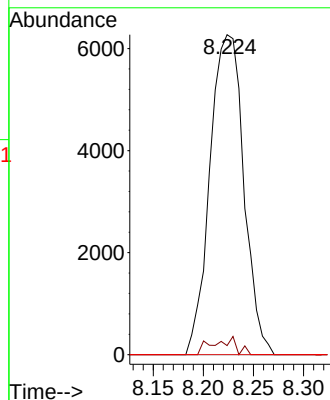
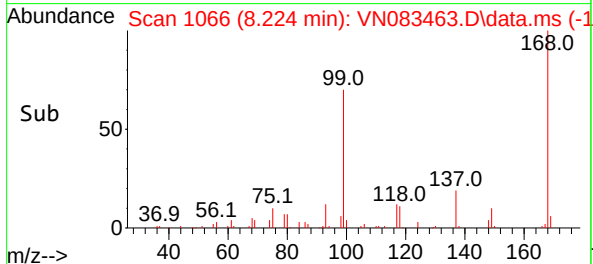


#38
Carbon Tetrachloride
Concen: 5.411 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20

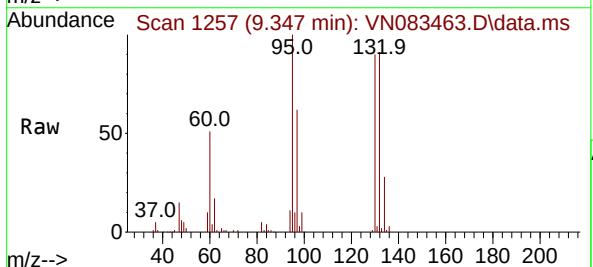
Instrument :
MSVOA_N
ClientSampleId :



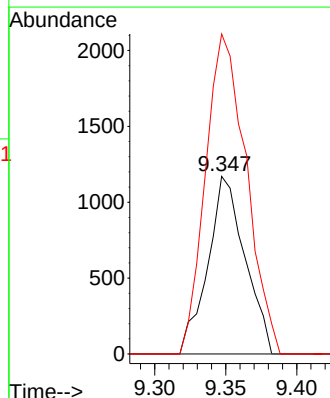
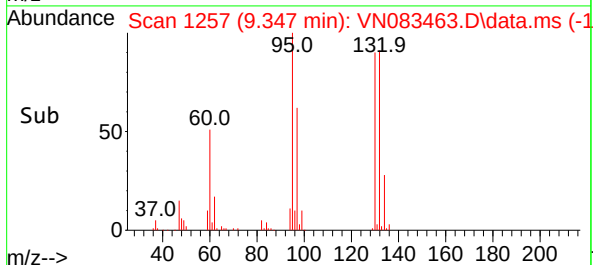
Tgt Ion:117 Resp: 14721
Ion Ratio Lower Upper
117 100
119 2.9 74.9 112.3#
121 0.0 24.3 36.5#

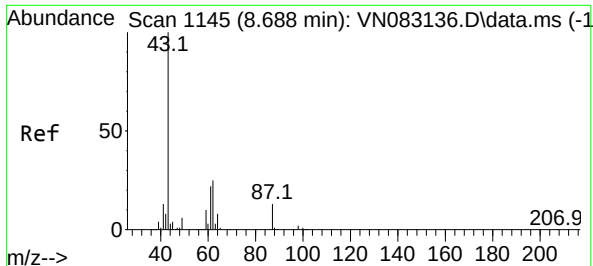


#39
Methylcyclohexane
Concen: 0.717 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.253 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20



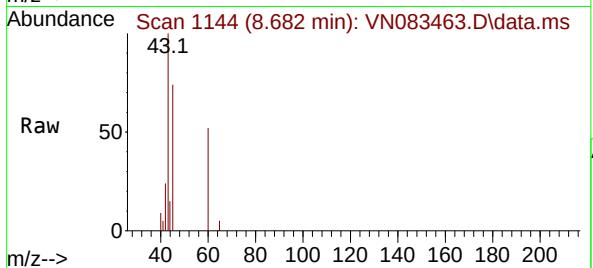
Tgt Ion: 83 Resp: 2128
Ion Ratio Lower Upper
83 100
55 0.0 66.4 99.6#
98 180.1 40.7 61.1#



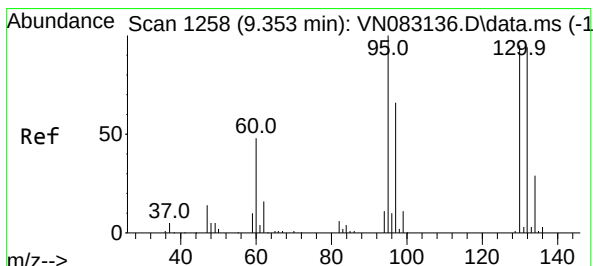
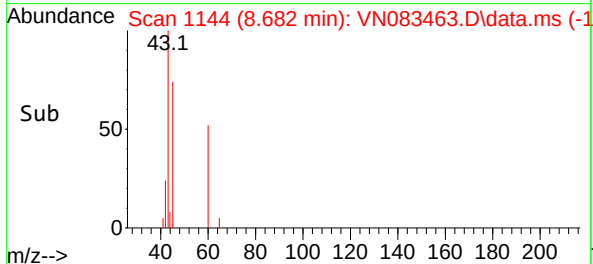
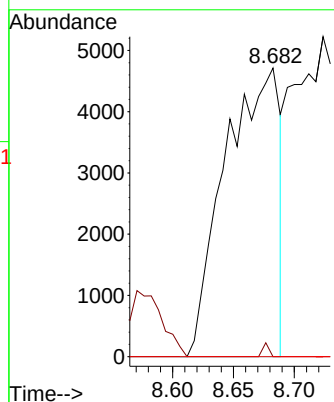


#43
Isopropyl Acetate
Concen: 1.531 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20

Instrument :
MSVOA_N
ClientSampleId :

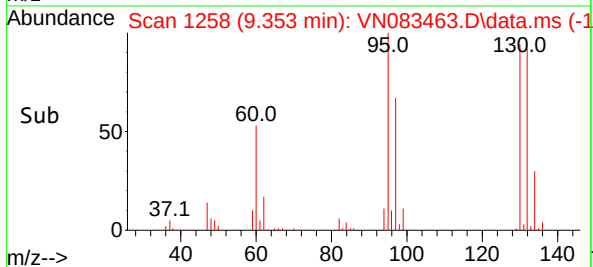
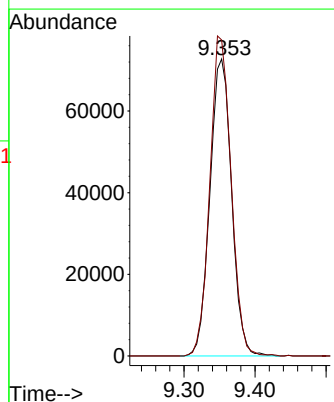
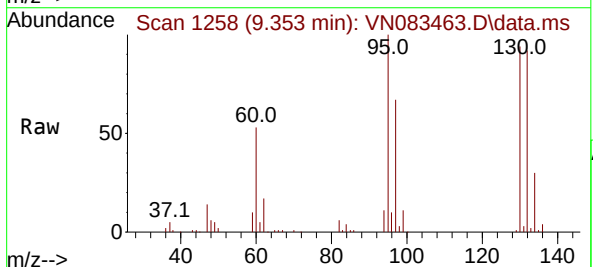


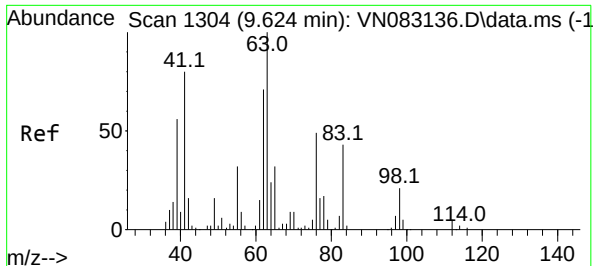
Tgt Ion: 43 Resp: 14688
Ion Ratio Lower Upper
43 100
61 0.5 17.8 26.6#
87 0.0 8.2 12.2#



#44
Trichloroethene
Concen: 89.983 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20

Tgt Ion:130 Resp: 154108
Ion Ratio Lower Upper
130 100
95 106.4 0.0 197.8





#45

1,2-Dichloropropane

Concen: 0.290 ug/l

RT: 9.347 min Scan# 11

Delta R.T. -0.276 min

Lab File: VN083463.D

Acq: 23 Aug 2024 16:20

Instrument :

MSVOA_N

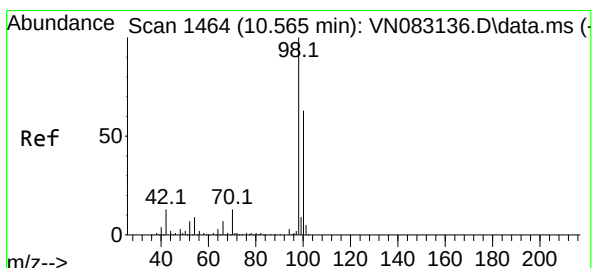
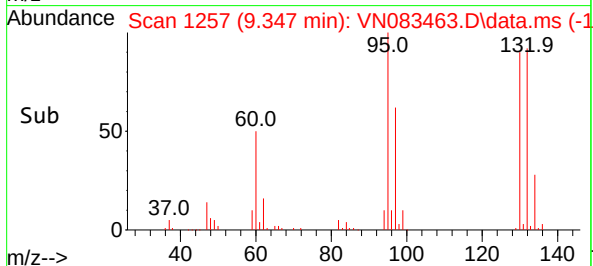
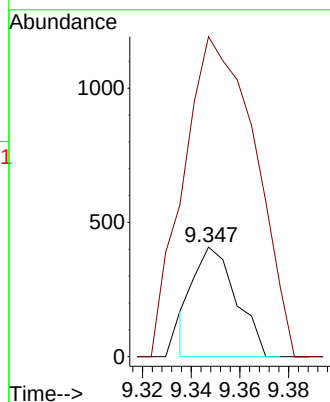
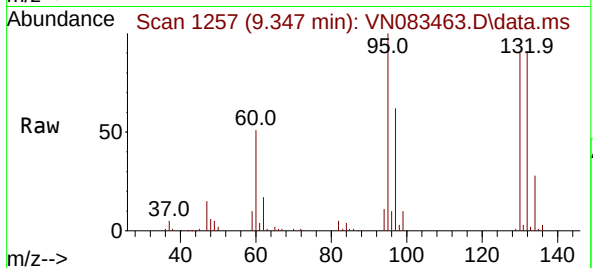
ClientSampleId :

Tgt Ion: 63 Resp: 496

Ion Ratio Lower Upper

63 100

65 228.4 24.4 36.6#



#50

Toluene-d8

Concen: 48.797 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083463.D

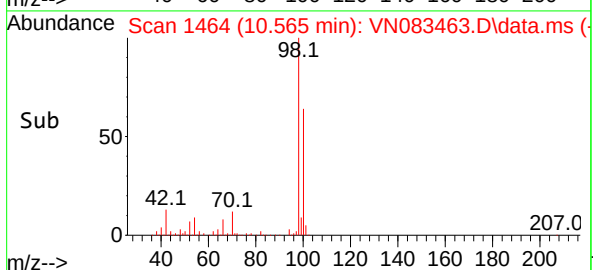
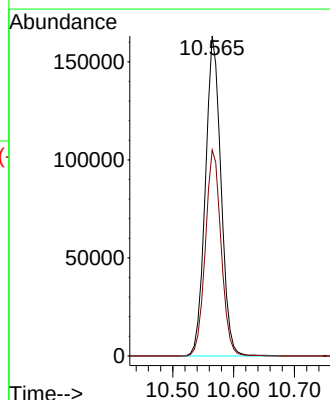
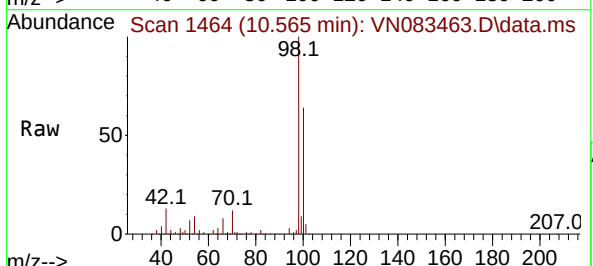
Acq: 23 Aug 2024 16:20

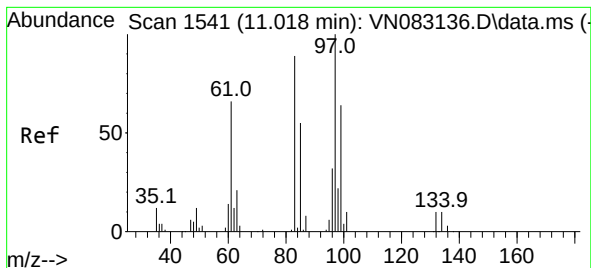
Tgt Ion: 98 Resp: 290632

Ion Ratio Lower Upper

98 100

100 64.9 51.5 77.3





#55

1,1,2-Trichloroethane

Concen: 1.118 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. 0.082 min

Lab File: VN083463.D

Acq: 23 Aug 2024 16:20

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 97 Resp: 1822

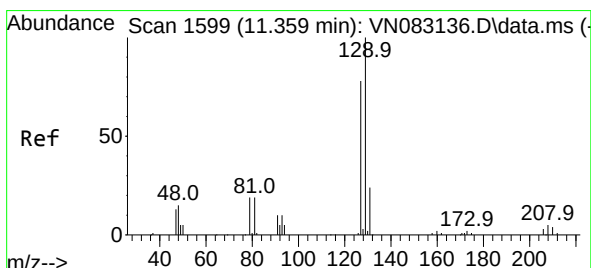
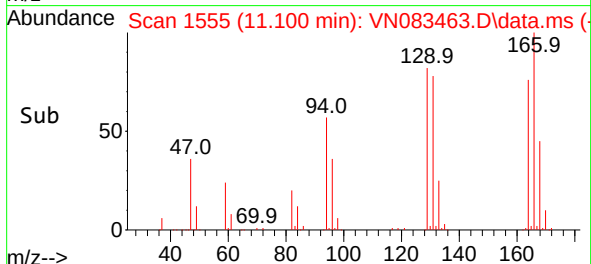
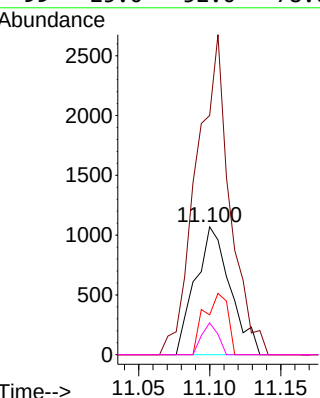
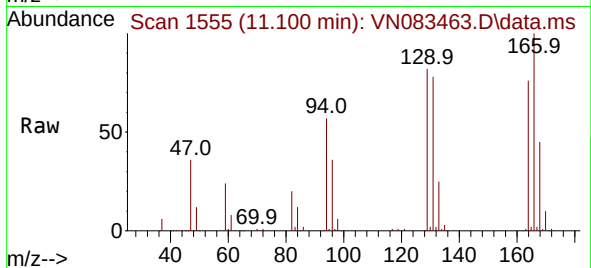
Ion Ratio Lower Upper

97 100

83 187.1 71.4 107.0#

85 31.2 45.8 68.6#

99 25.0 52.0 78.0#



#60

Dibromochloromethane

Concen: 89.602 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.253 min

Lab File: VN083463.D

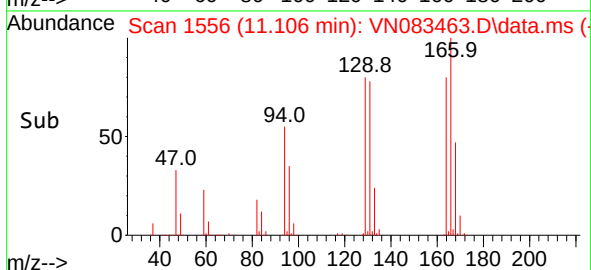
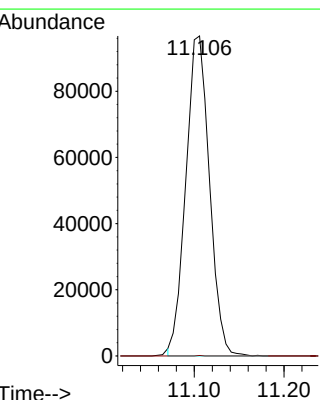
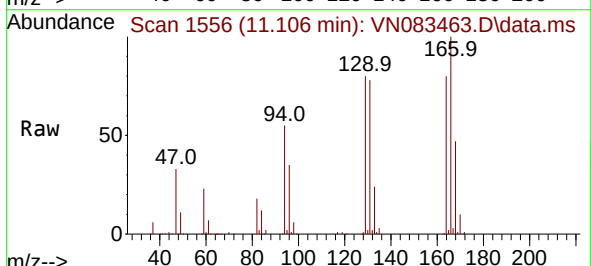
Acq: 23 Aug 2024 16:20

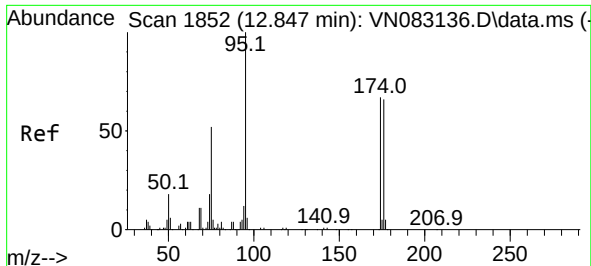
Tgt Ion:129 Resp: 176501

Ion Ratio Lower Upper

129 100

127 0.0 39.2 117.6#

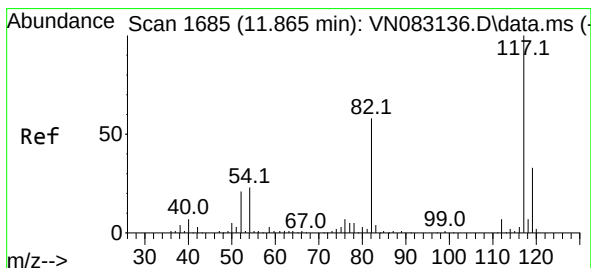
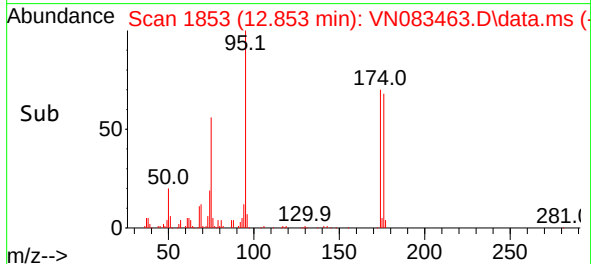
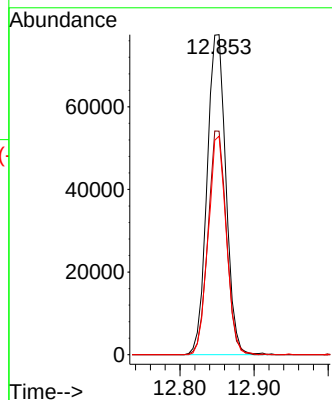
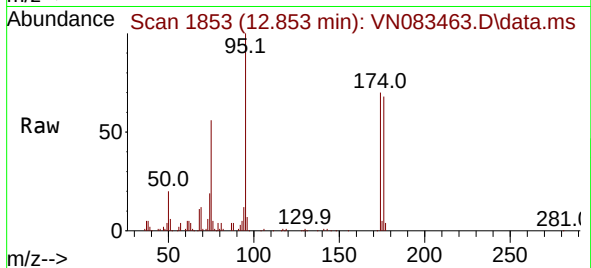




#62
4-Bromofluorobenzene
Concen: 58.851 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20

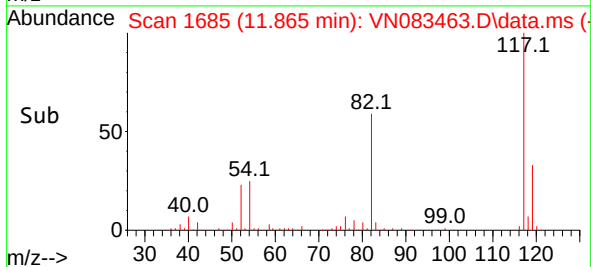
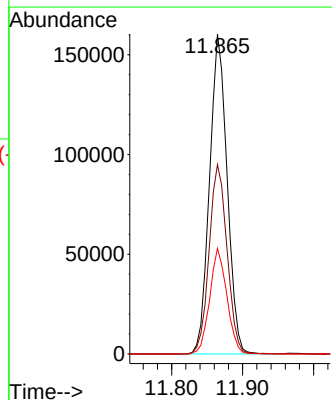
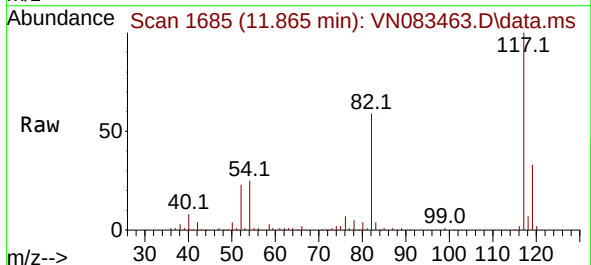
Instrument :
MSVOA_N
ClientSampleId :

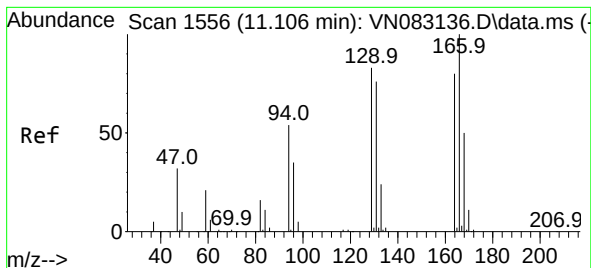
Tgt Ion: 95 Resp: 136651
Ion Ratio Lower Upper
95 100
174 68.0 0.0 159.2
176 65.8 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20

Tgt Ion: 117 Resp: 275886
Ion Ratio Lower Upper
117 100
82 59.2 47.5 71.3
119 33.0 25.6 38.4





#64

Tetrachloroethene

Concen: 94.689 ug/l

RT: 11.106 min Scan# 11

Delta R.T. -0.000 min

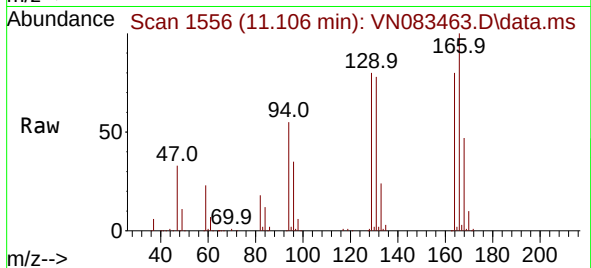
Lab File: VN083463.D

Acq: 23 Aug 2024 16:20

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:164 Resp: 173009

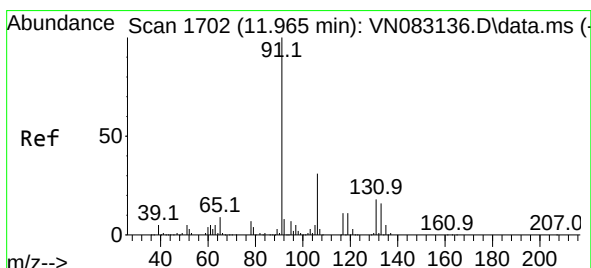
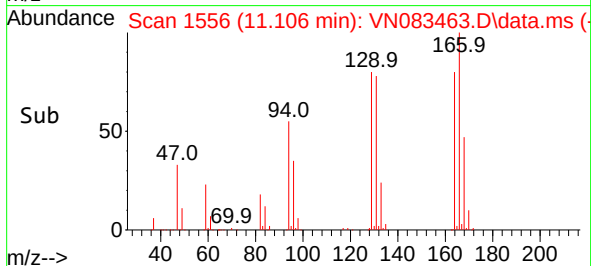
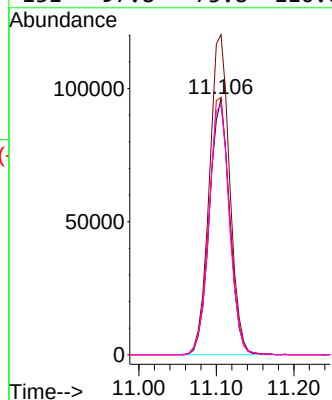
Ion Ratio Lower Upper

164 100

166 125.2 101.4 152.0

129 100.6 75.7 113.5

131 97.8 73.8 110.6



#67

Ethyl Benzene

Concen: 0.317 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VN083463.D

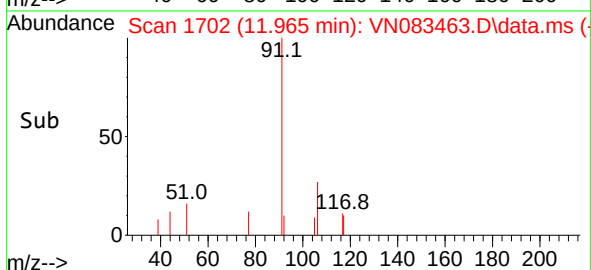
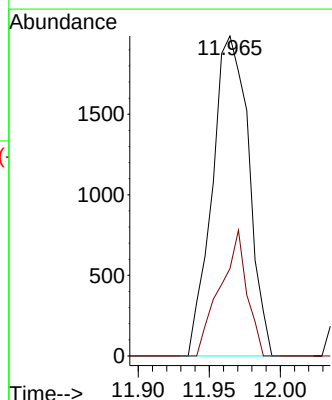
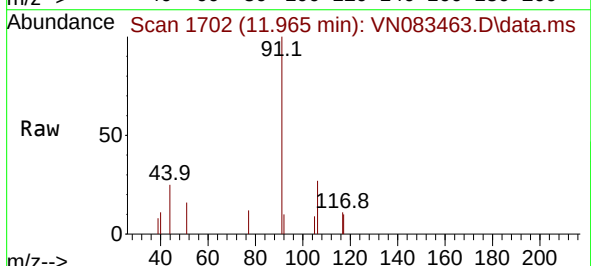
Acq: 23 Aug 2024 16:20

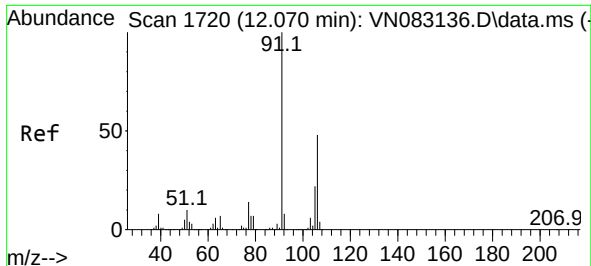
Tgt Ion: 91 Resp: 3546

Ion Ratio Lower Upper

91 100

106 27.3 24.0 36.0

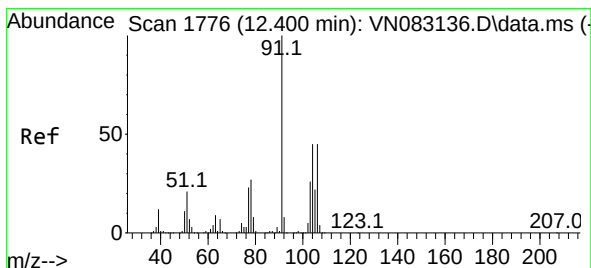
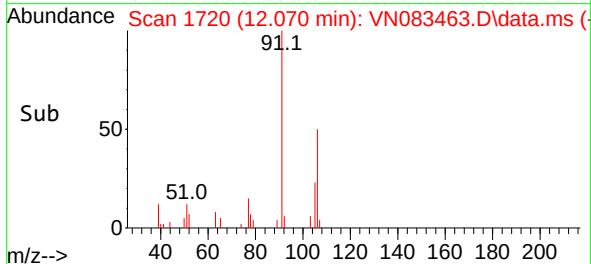
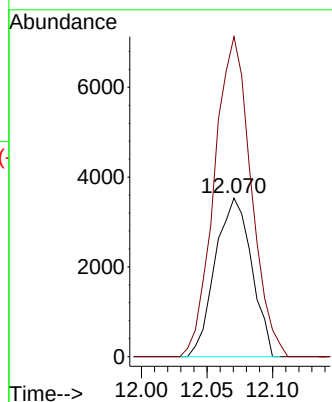
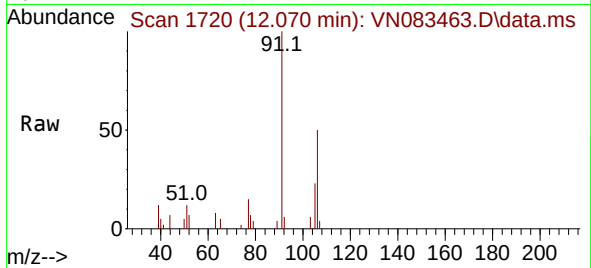




#68
m/p-Xylenes
Concen: 1.627 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20

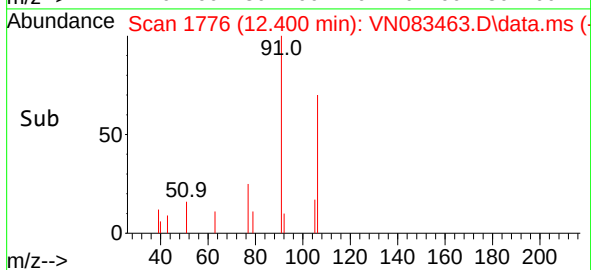
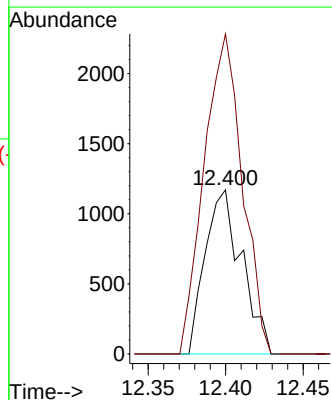
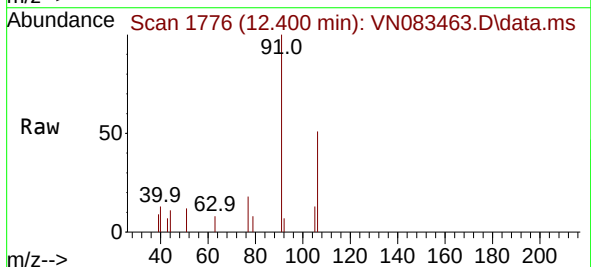
Instrument :
MSVOA_N
ClientSampleId :

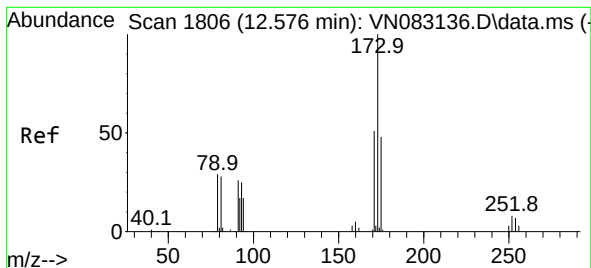
Tgt Ion:106 Resp: 6815
Ion Ratio Lower Upper
106 100
91 203.9 166.1 249.1



#69
o-Xylene
Concen: 0.464 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20

Tgt Ion:106 Resp: 1918
Ion Ratio Lower Upper
106 100
91 204.3 111.3 333.9





#71

Bromoform

Concen: 0.271 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN083463.D

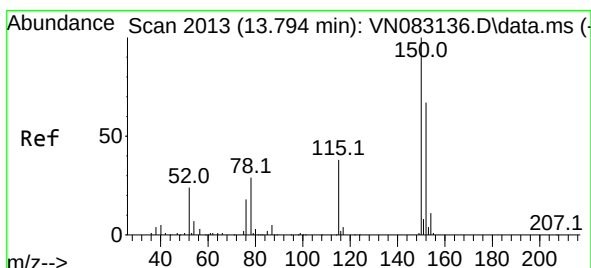
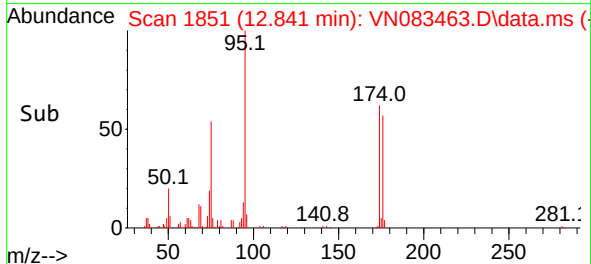
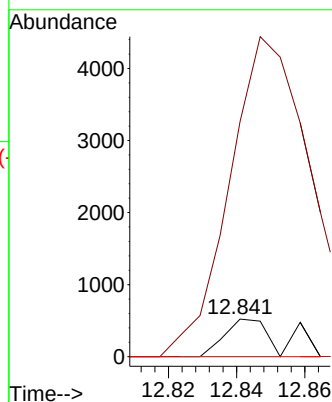
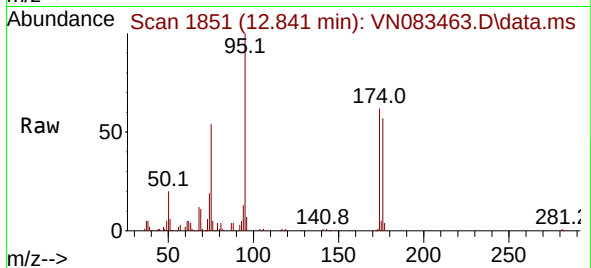
Acq: 23 Aug 2024 16:20

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173	Resp:	441
Ion Ratio	Lower	Upper
173	100	
175	1152.4	24.0 72.0#
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

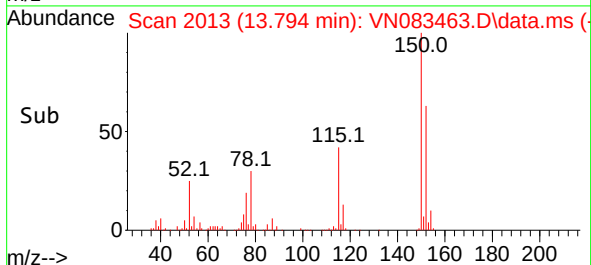
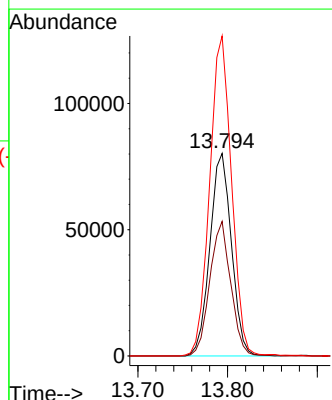
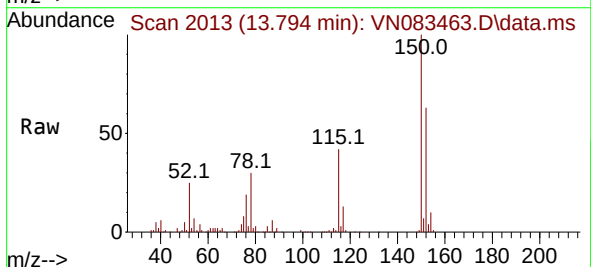
RT: 13.794 min Scan# 2013

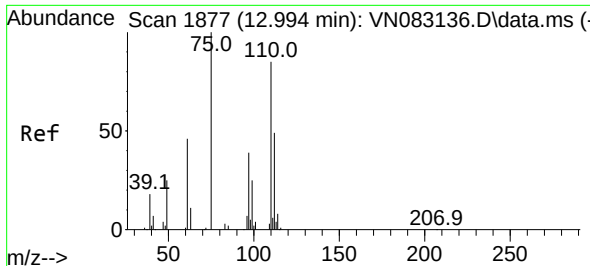
Delta R.T. -0.000 min

Lab File: VN083463.D

Acq: 23 Aug 2024 16:20

Tgt Ion:152	Resp:	134088
Ion Ratio	Lower	Upper
152	100	
115	64.4	30.6 91.6
150	159.9	0.0 348.6

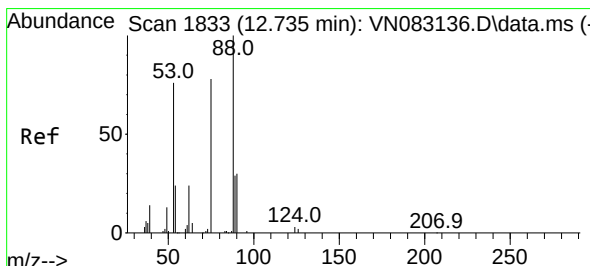
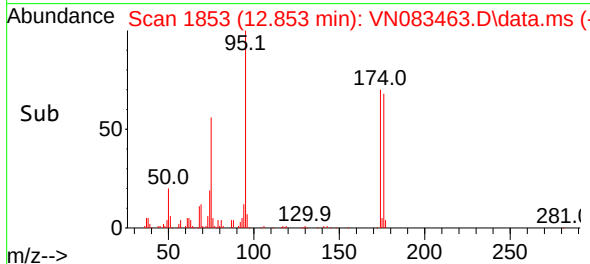
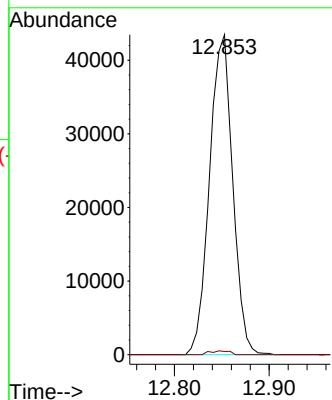
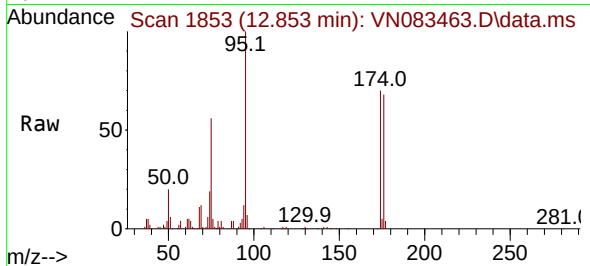




#76
1,2,3-Trichloropropane
Concen: 25.102 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 73873
Ion Ratio Lower Upper
75 100
77 1.0 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.603 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN083463.D
Acq: 23 Aug 2024 16:20

Tgt Ion: 75 Resp: 73873
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

