

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
 Data File : VN083465.D
 Acq On : 23 Aug 2024 17:08
 Operator : JC\MD
 Sample : P3716-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 24 00:04:47 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)

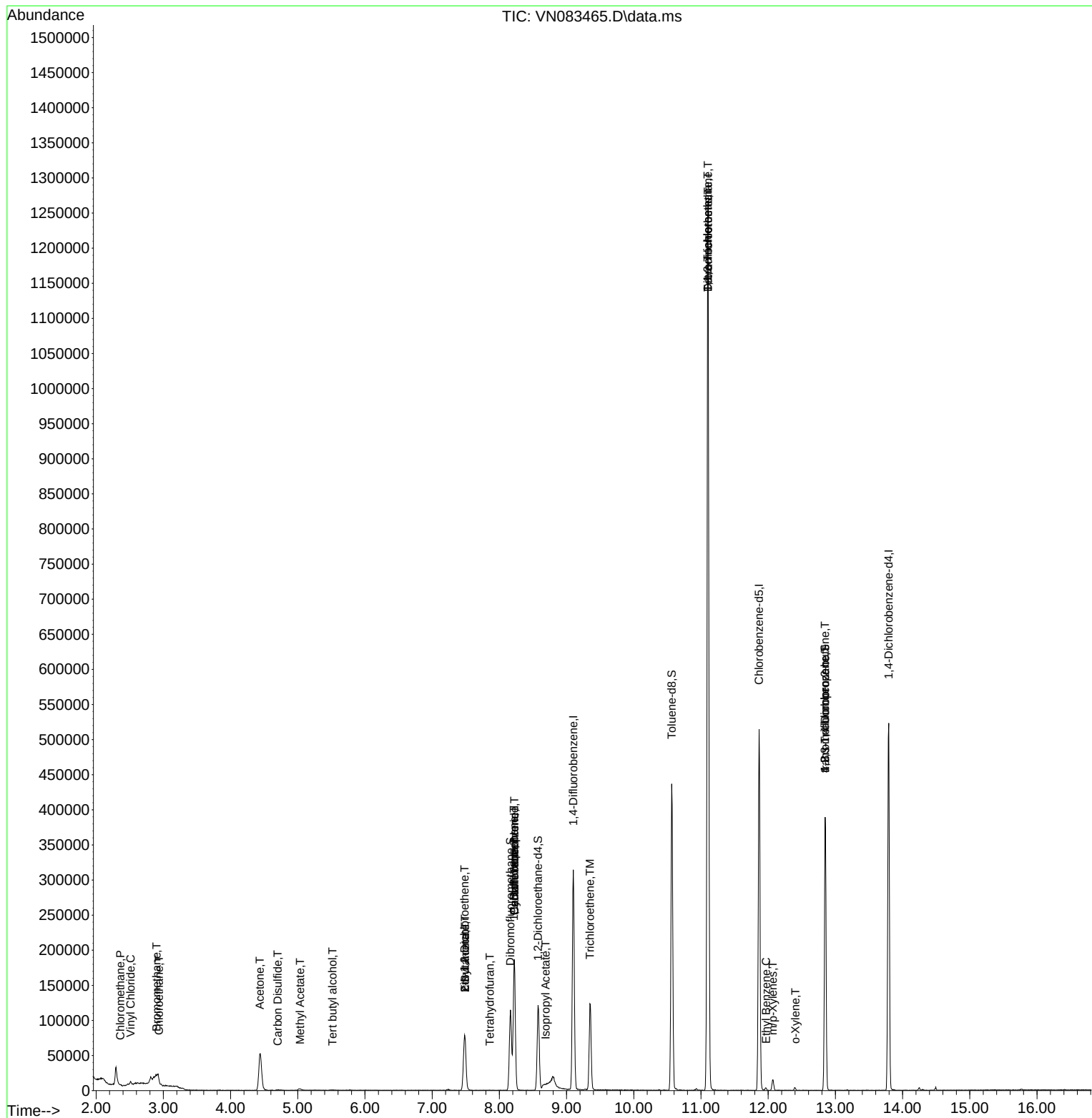
Internal Standards						
1) Pentafluorobenzene	8.224	168	126325	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	256735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	135565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	104468	58.099	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.200%			
35) Dibromofluoromethane	8.165	113	81232	50.691	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.380%			
50) Toluene-d8	10.565	98	294178	49.213	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.420%			
62) 4-Bromofluorobenzene	12.847	95	135091	57.968	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 115.940%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	615	0.419	ug/l #	75
4) Vinyl Chloride	2.512	62	2852	1.906	ug/l #	65
5) Bromomethane	2.900	94	367	0.395	ug/l #	1
6) Chloroethane	2.936	64	424	0.453	ug/l #	74
11) Tert butyl alcohol	5.518	59	246	0.658	ug/l #	71
16) Acetone	4.436	43	4805	6.829	ug/l	99
17) Carbon Disulfide	4.700	76	1519	0.371	ug/l #	75
18) Methyl Acetate	5.036	43	4650	2.218	ug/l #	56
25) 2-Butanone	7.488	43	779	0.721	ug/l #	18
27) cis-1,2-Dichloroethene	7.482	96	46467	26.606	ug/l	85
29) Tetrahydrofuran	7.859	42	292	0.418	ug/l #	38
31) Cyclohexane	8.224	56	3530	1.325	ug/l #	30
36) 1,1-Dichloropropene	8.218	75	11404	4.704	ug/l #	52
37) Ethyl Acetate	7.488	43	779	0.287	ug/l #	1
38) Carbon Tetrachloride	8.224	117	14528	5.321	ug/l #	16
43) Isopropyl Acetate	8.688	43	10596	0.652	ug/l #	60
44) Trichloroethene	9.347	130	42572	24.767	ug/l	92
55) 1,1,2-Trichloroethane	11.100	97	2796	1.710	ug/l #	23
60) Dibromochloromethane	11.106	129	280451	141.857	ug/l #	10
64) Tetrachloroethene	11.106	164	274067	147.903	ug/l	96
67) Ethyl Benzene	11.970	91	3316	0.292	ug/l #	73
68) m/p-Xylenes	12.070	106	5306	1.249	ug/l	91
69) o-Xylene	12.406	106	1378	0.329	ug/l	98
76) 1,2,3-Trichloropropane	12.847	75	75664	25.431	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75664	55.318	ug/l #	6

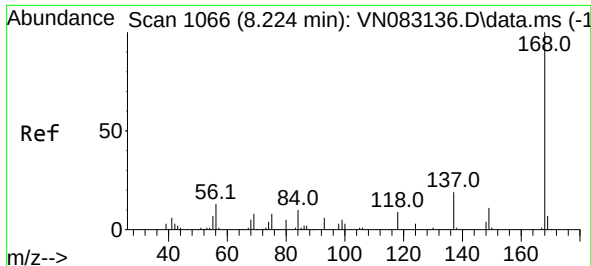
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

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MSVOA_N
ClientSampleId :

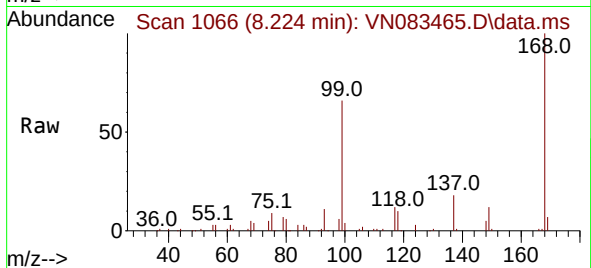
Quant Time: Aug 24 00:04:47 2024
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Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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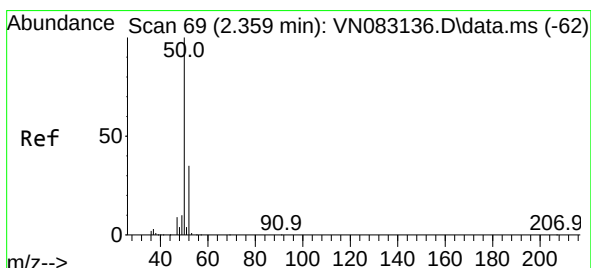
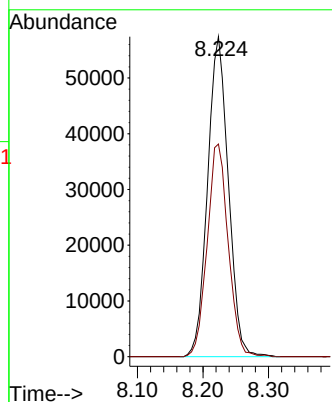
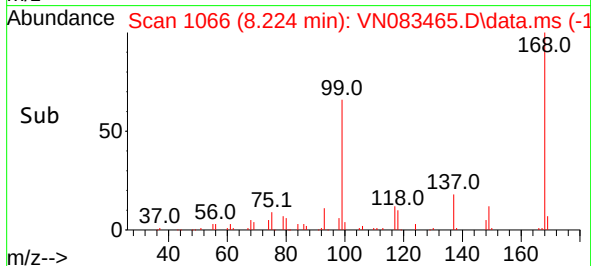


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083465.D
Acq: 23 Aug 2024 17:08

Instrument :
MSVOA_N
ClientSampleId :

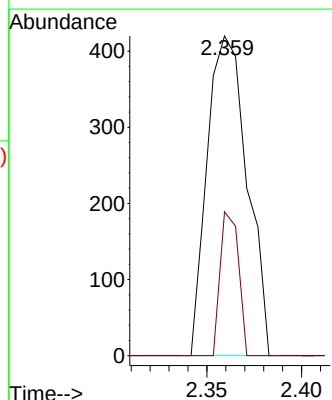
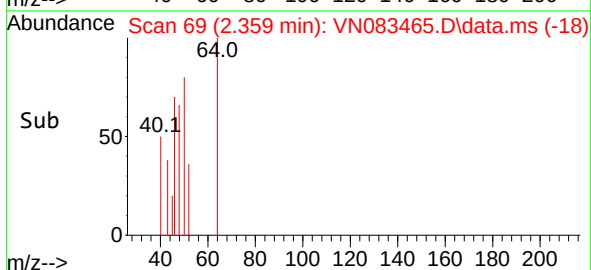
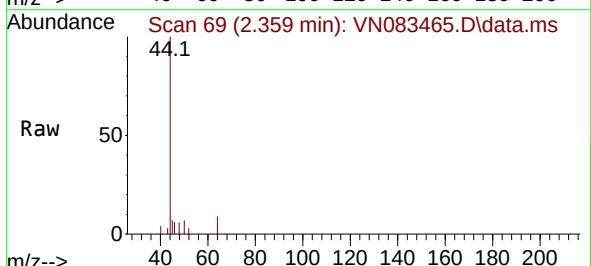


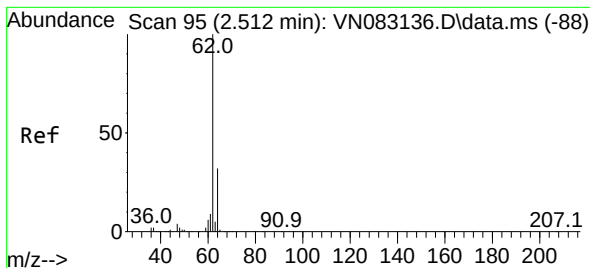
Tgt Ion:168 Resp: 126325
Ion Ratio Lower Upper
168 100
99 66.5 48.2 72.4



#3
Chloromethane
Concen: 0.419 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN083465.D
Acq: 23 Aug 2024 17:08

Tgt Ion: 50 Resp: 615
Ion Ratio Lower Upper
50 100
52 45.0 25.0 37.4#





#4

Vinyl Chloride

Concen: 1.906 ug/l

RT: 2.512 min Scan# 91

Delta R.T. -0.000 min MSVOA_N

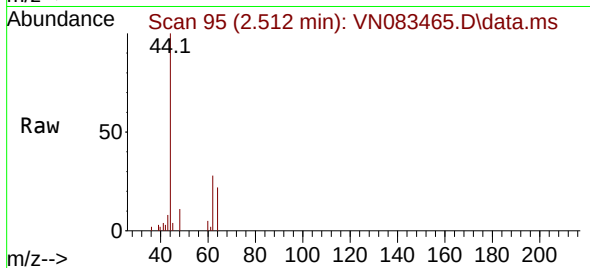
Lab File: VN083465.D

Acq: 23 Aug 2024 17:08

Instrument :

MSVOA_N

ClientSampleId :

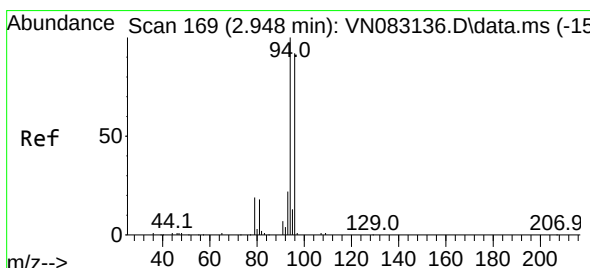
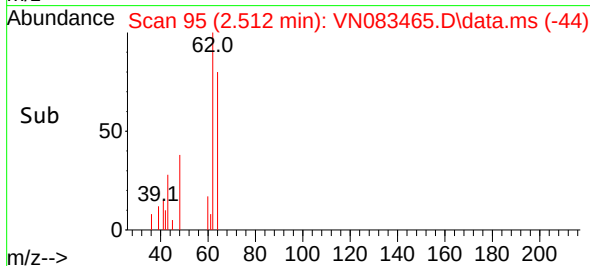
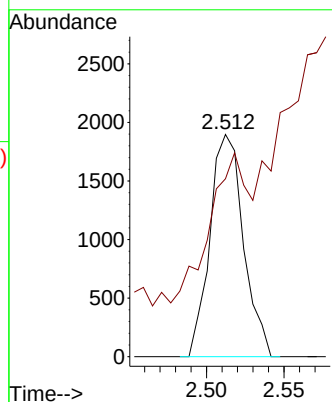


Tgt Ion: 62 Resp: 2852

Ion Ratio Lower Upper

62 100

64 50.5 25.0 37.6#



#5

Bromomethane

Concen: 0.395 ug/l

RT: 2.900 min Scan# 161

Delta R.T. -0.047 min

Lab File: VN083465.D

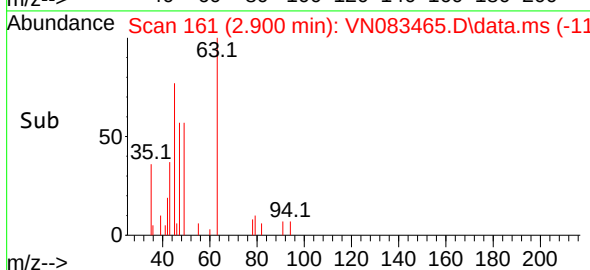
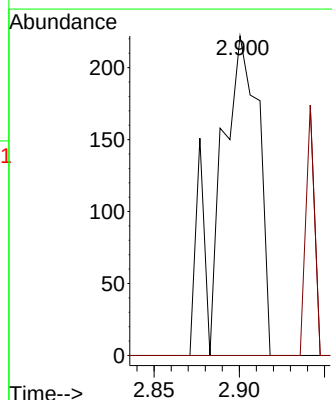
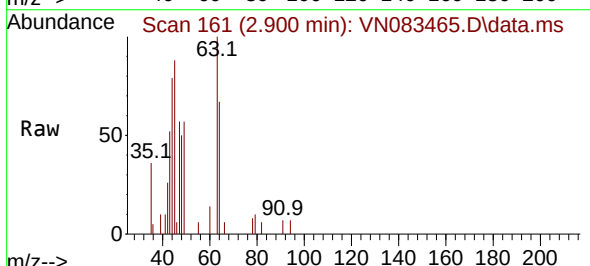
Acq: 23 Aug 2024 17:08

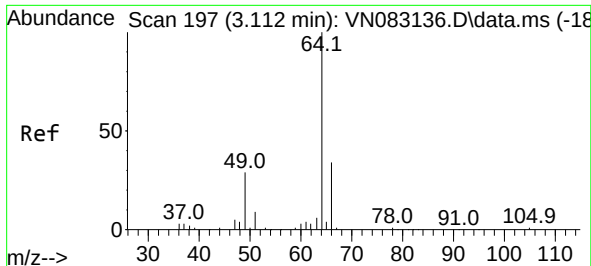
Tgt Ion: 94 Resp: 367

Ion Ratio Lower Upper

94 100

96 0.0 78.0 117.0#

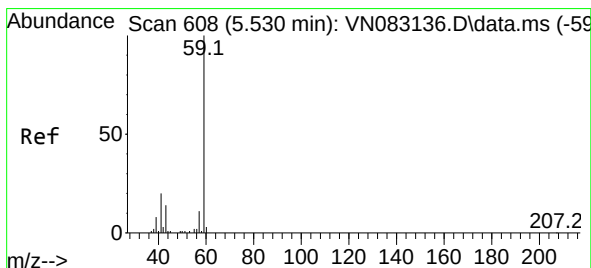
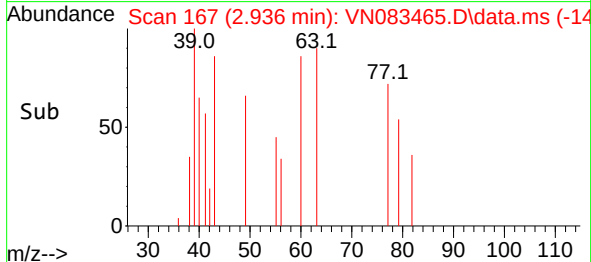
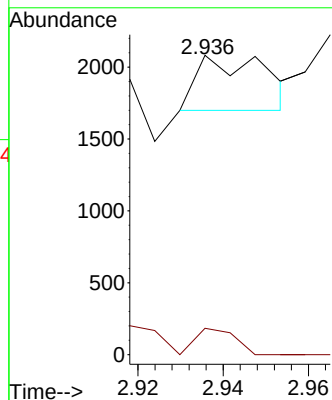
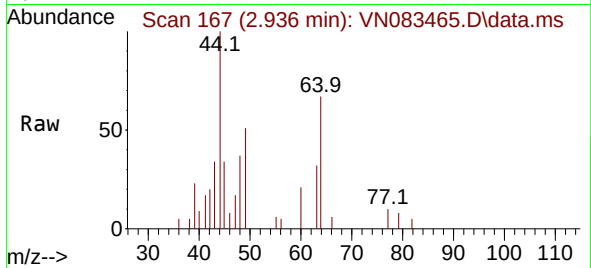




#6
Chloroethane
Concen: 0.453 ug/l
RT: 2.936 min Scan# 1
Delta R.T. -0.177 min
Lab File: VN083465.D
Acq: 23 Aug 2024 17:08

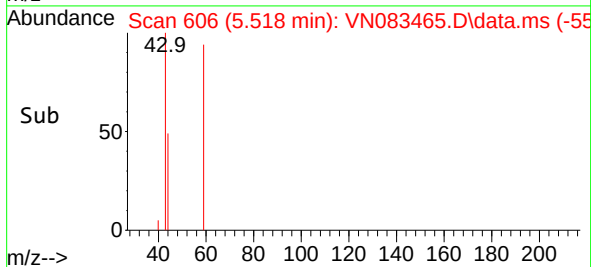
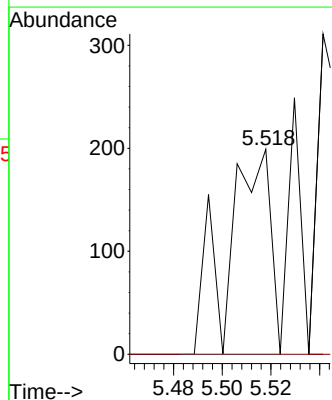
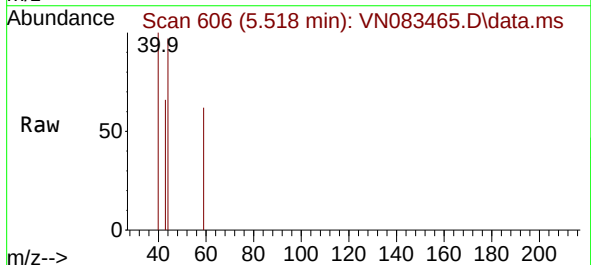
Instrument :
MSVOA_N
ClientSampleId :

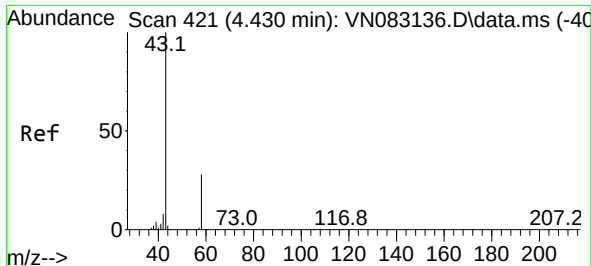
Tgt Ion: 64 Resp: 424
Ion Ratio Lower Upper
64 100
66 48.0 26.6 40.0#



#11
Tert butyl alcohol
Concen: 0.658 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.012 min
Lab File: VN083465.D
Acq: 23 Aug 2024 17:08

Tgt Ion: 59 Resp: 246
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

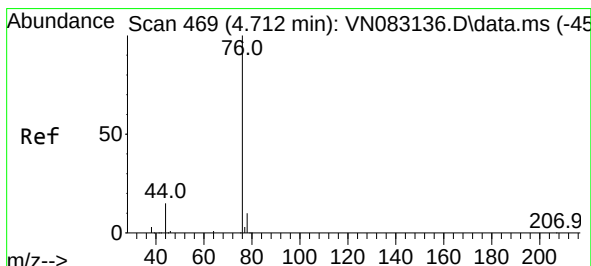
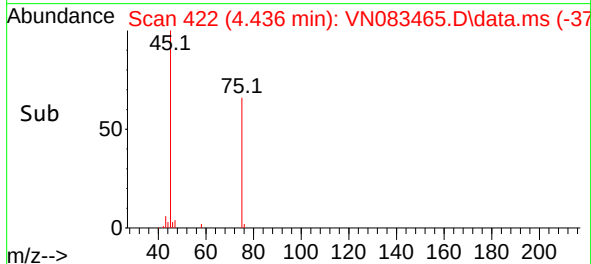
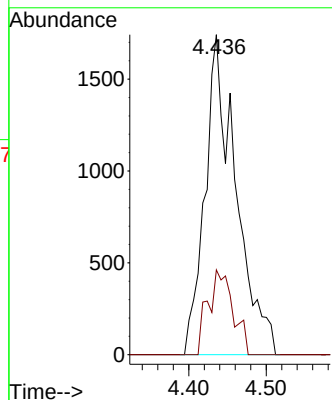
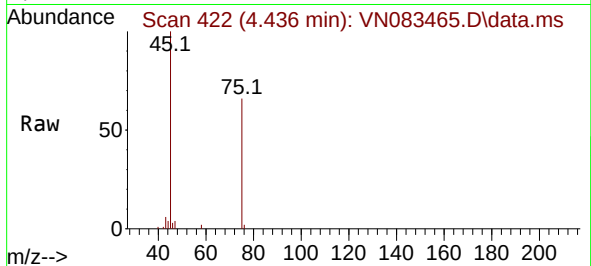




#16
Acetone
Concen: 6.829 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083465.D
Acq: 23 Aug 2024 17:08

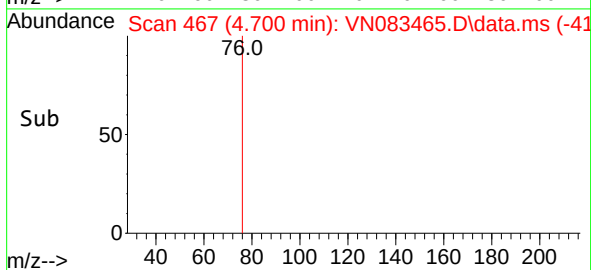
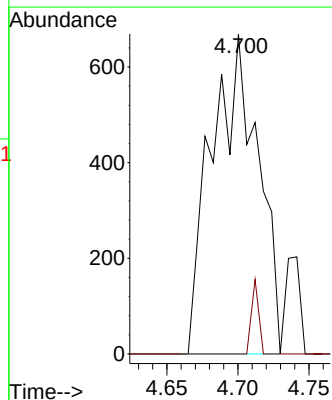
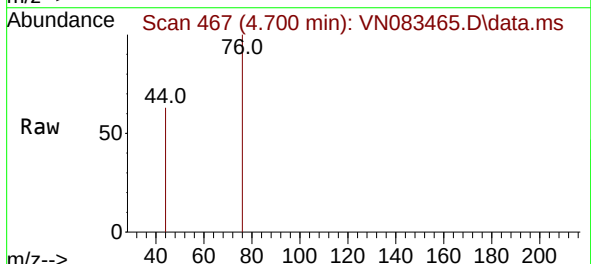
Instrument :
MSVOA_N
ClientSampleId :

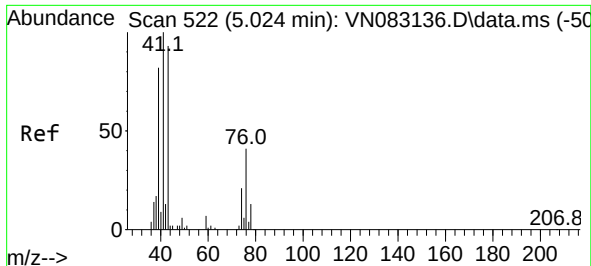
Tgt Ion: 43 Resp: 4805
Ion Ratio Lower Upper
43 100
58 26.5 21.8 32.6



#17
Carbon Disulfide
Concen: 0.371 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.012 min
Lab File: VN083465.D
Acq: 23 Aug 2024 17:08

Tgt Ion: 76 Resp: 1519
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#18

Methyl Acetate

Concen: 2.218 ug/l

RT: 5.036 min Scan# 51

Delta R.T. 0.012 min

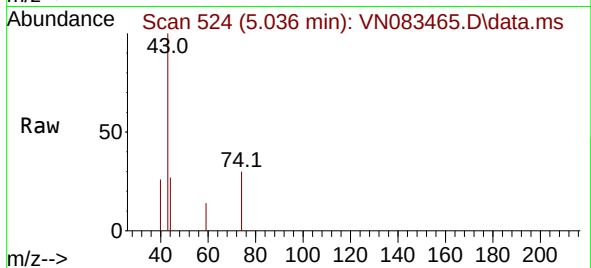
Lab File: VN083465.D

Acq: 23 Aug 2024 17:08

Instrument :

MSVOA_N

ClientSampleId :

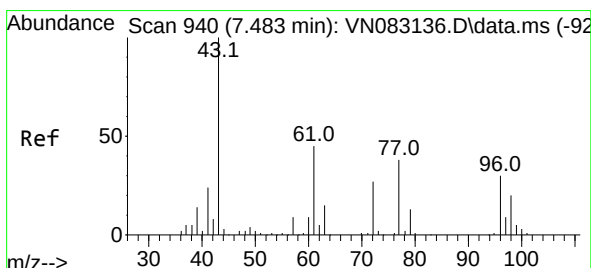
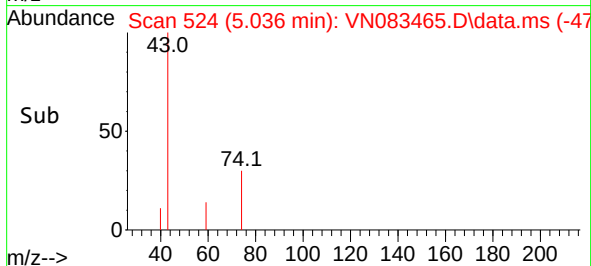
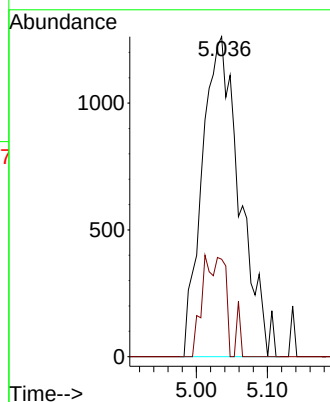


Tgt Ion: 43 Resp: 4650

Ion Ratio Lower Upper

43 100

74 0.0 16.3 24.5#



#25

2-Butanone

Concen: 0.721 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN083465.D

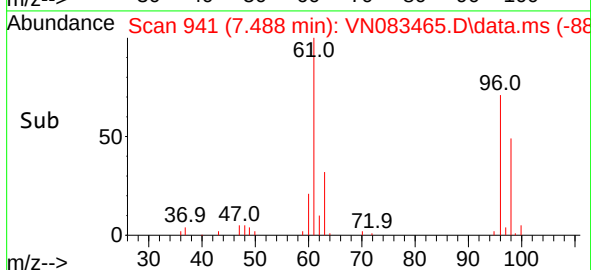
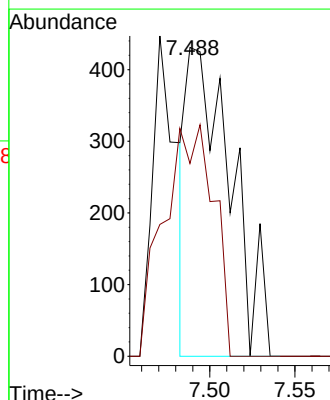
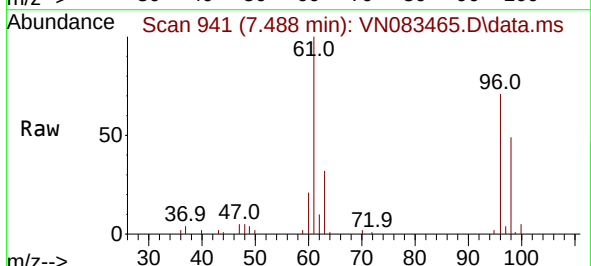
Acq: 23 Aug 2024 17:08

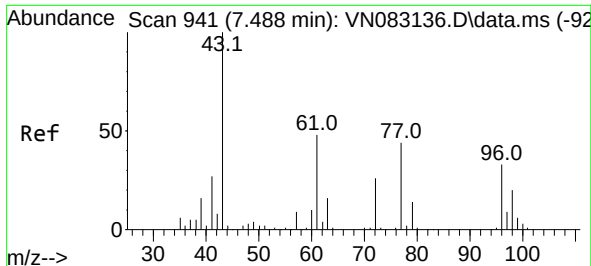
Tgt Ion: 43 Resp: 779

Ion Ratio Lower Upper

43 100

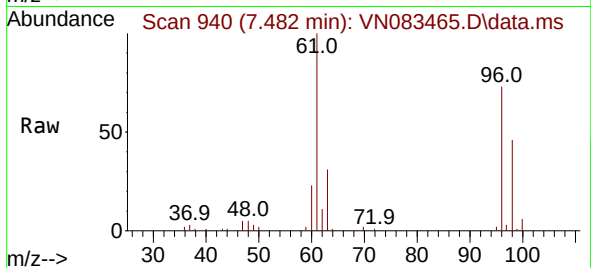
72 62.4 18.2 27.2#



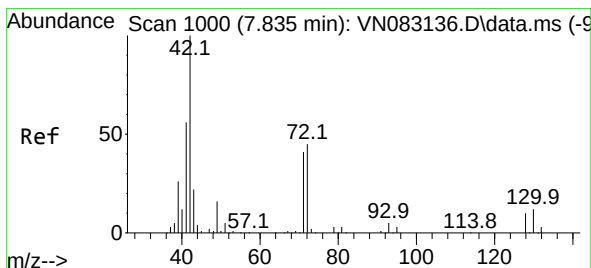
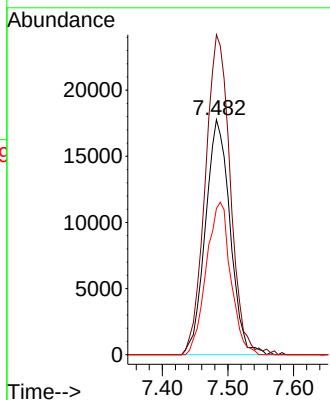
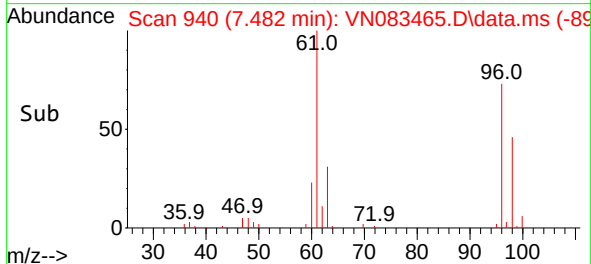


#27
 cis-1,2-Dichloroethene
 Concen: 26.606 ug/l
 RT: 7.482 min Scan# 941
 Delta R.T. -0.006 min
 Lab File: VN083465.D
 Acq: 23 Aug 2024 17:08

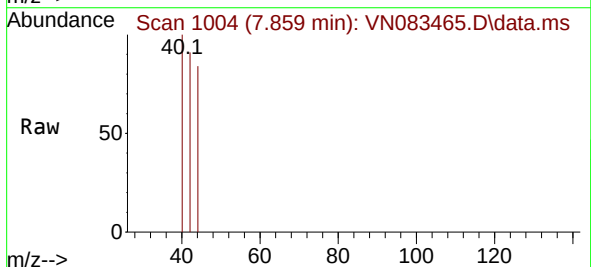
Instrument :
 MSVOA_N
 ClientSampleId :



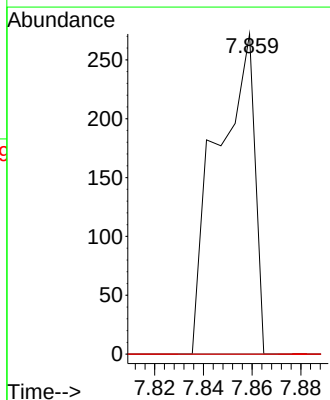
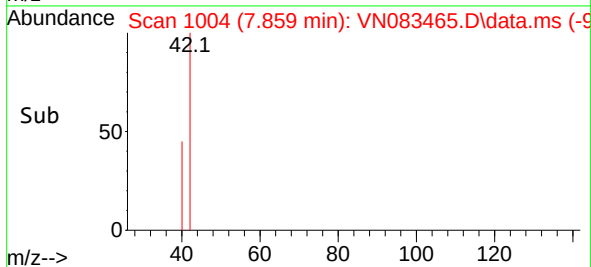
Tgt Ion:	96	Resp:	46467
Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	329.6
98	64.1	0.0	128.6

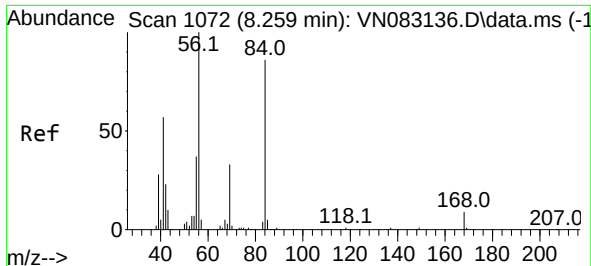


#29
 Tetrahydrofuran
 Concen: 0.418 ug/l
 RT: 7.859 min Scan# 1004
 Delta R.T. 0.023 min
 Lab File: VN083465.D
 Acq: 23 Aug 2024 17:08



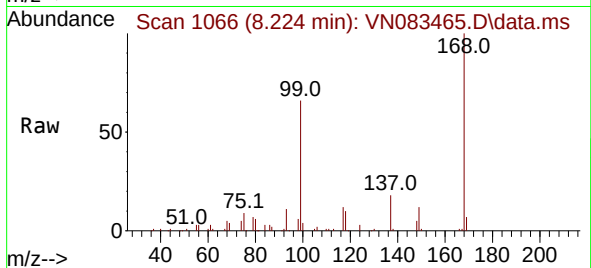
Tgt Ion:	42	Resp:	292
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.0	45.0#
71	0.0	28.3	42.5#



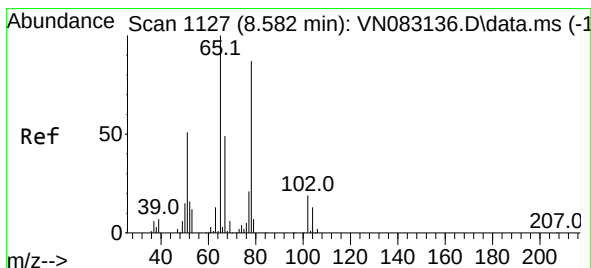
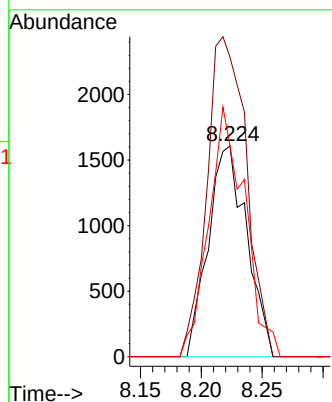
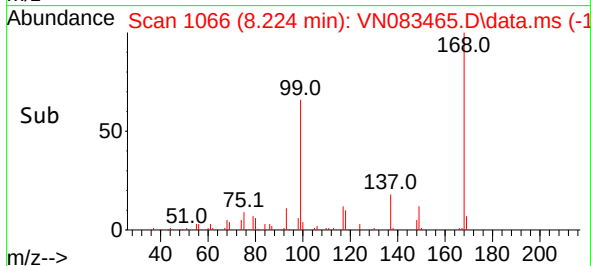


#31
Cyclohexane
Concen: 1.325 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083465.D
Acq: 23 Aug 2024 17:08

Instrument :
MSVOA_N
ClientSampleId :

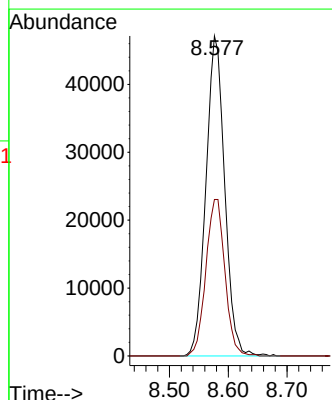
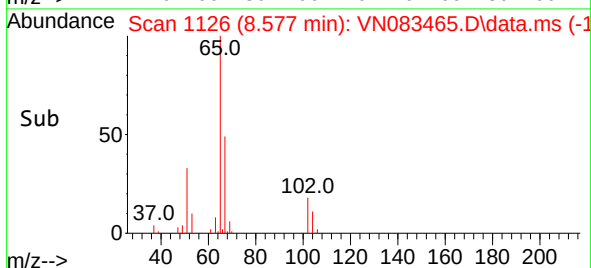
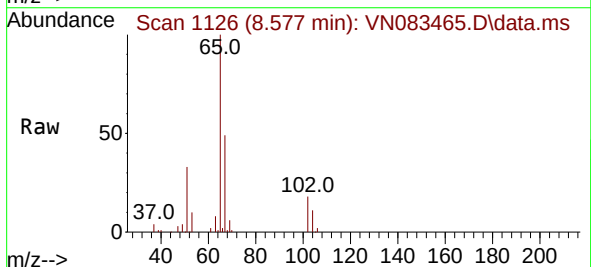


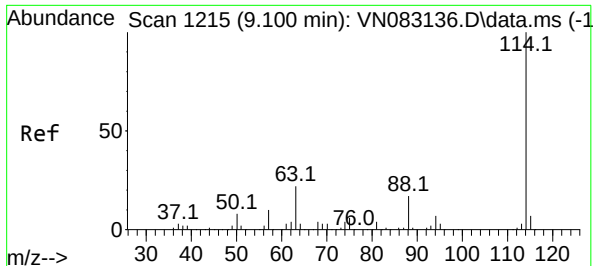
Tgt Ion: 56 Resp: 3530
Ion Ratio Lower Upper
56 100
69 142.2 24.5 36.7#
84 100.2 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 58.099 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN083465.D
Acq: 23 Aug 2024 17:08

Tgt Ion: 65 Resp: 104468
Ion Ratio Lower Upper
65 100
67 49.7 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN083465.D

Acq: 23 Aug 2024 17:08

Instrument :

MSVOA_N

ClientSampleId :

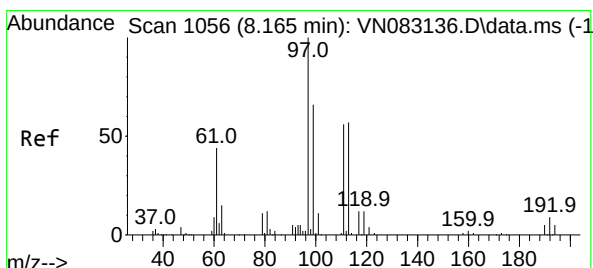
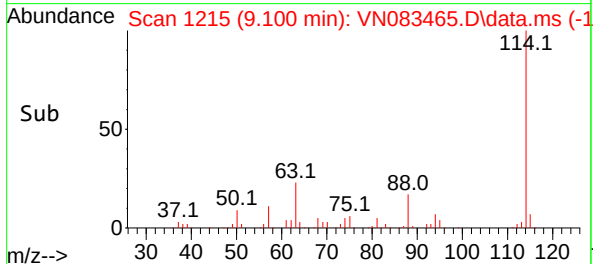
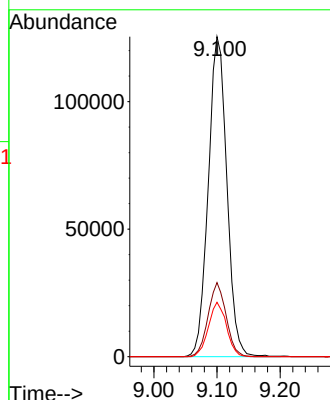
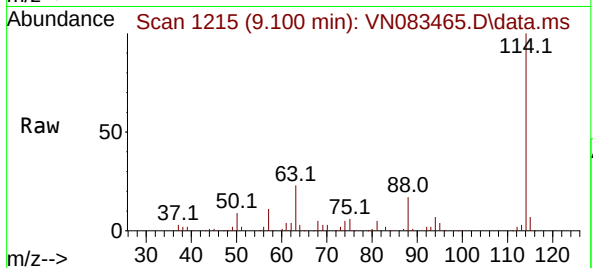
Tgt Ion:114 Resp: 256735

Ion Ratio Lower Upper

114 100

63 23.2 0.0 44.6

88 17.0 0.0 31.4



#35

Dibromofluoromethane

Concen: 50.691 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083465.D

Acq: 23 Aug 2024 17:08

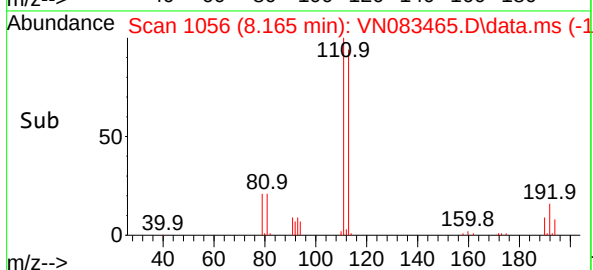
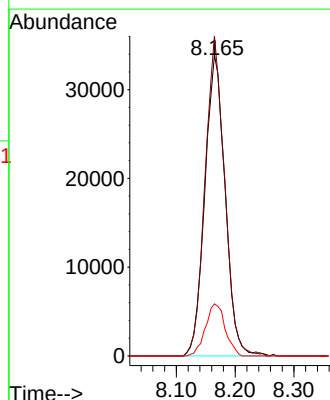
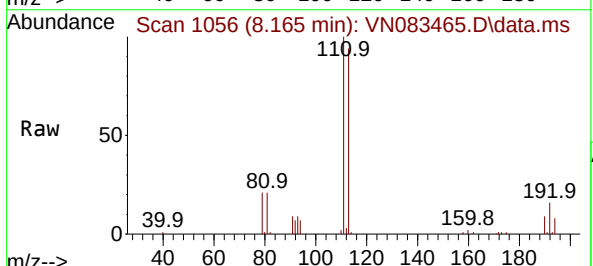
Tgt Ion:113 Resp: 81232

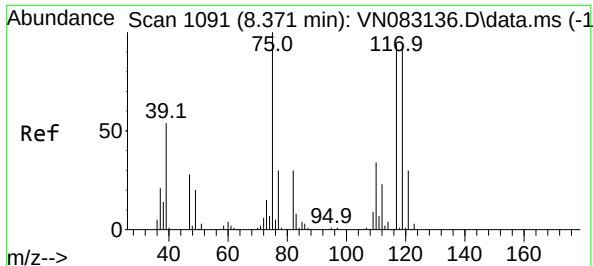
Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

192 16.9 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.704 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.153 min

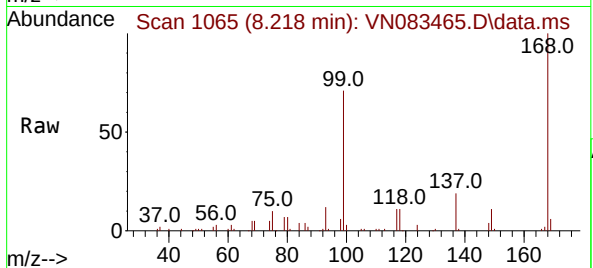
Lab File: VN083465.D

Acq: 23 Aug 2024 17:08

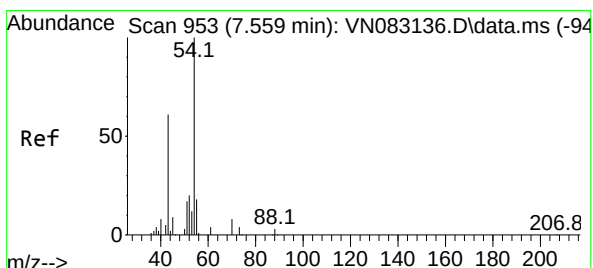
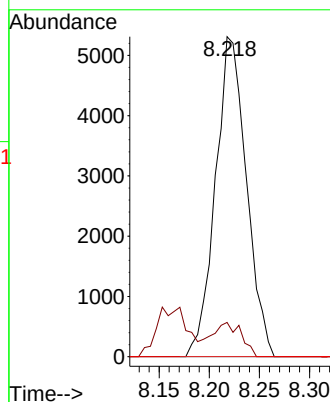
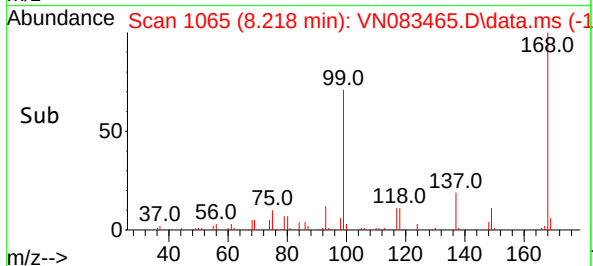
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	11404
Ion Ratio	Lower	Upper	
75	100		
110	9.7	16.3	48.9#
77	0.0	24.6	37.0#



#37

Ethyl Acetate

Concen: 0.287 ug/l

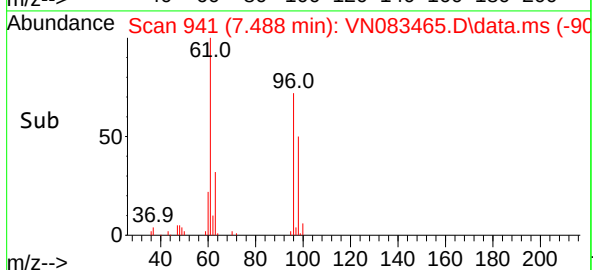
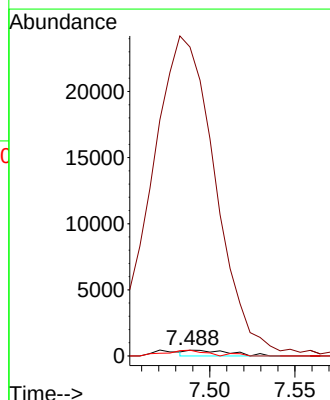
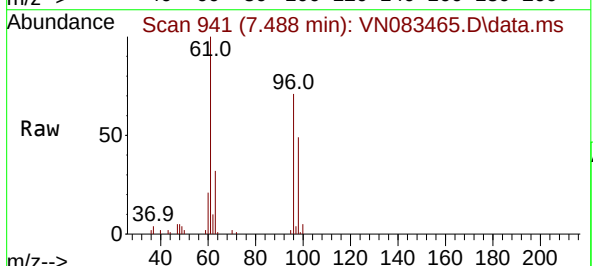
RT: 7.488 min Scan# 941

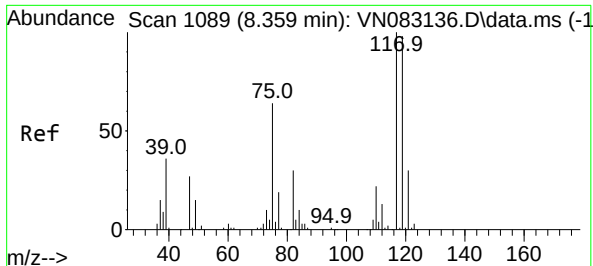
Delta R.T. -0.071 min

Lab File: VN083465.D

Acq: 23 Aug 2024 17:08

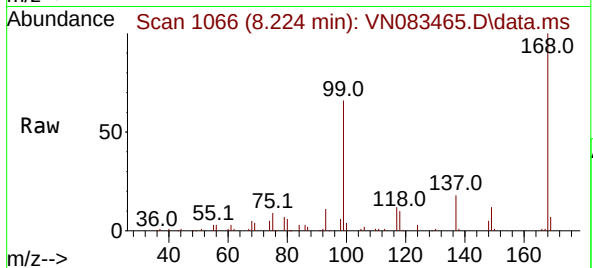
Tgt Ion:	43	Resp:	779
Ion Ratio	Lower	Upper	
43	100		
61	8222.8	9.3	13.9#
70	87.9	7.0	10.6#



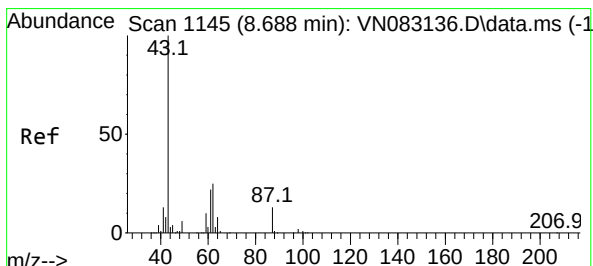
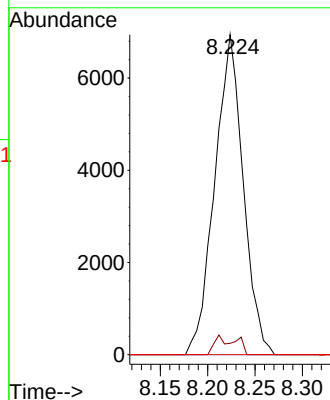
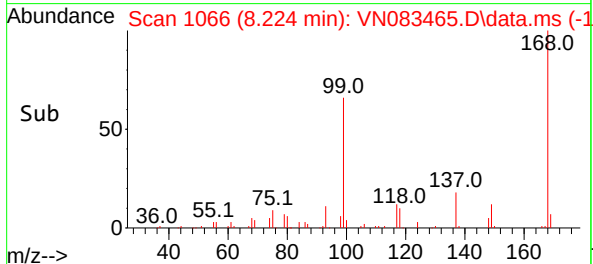


#38
Carbon Tetrachloride
Concen: 5.321 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083465.D
Acq: 23 Aug 2024 17:08

Instrument :
MSVOA_N
ClientSampleId :

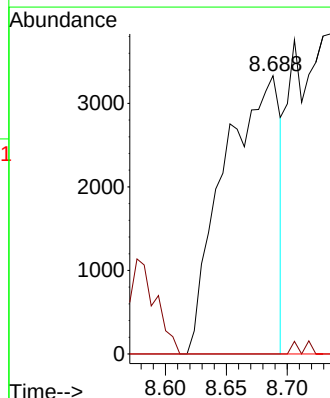
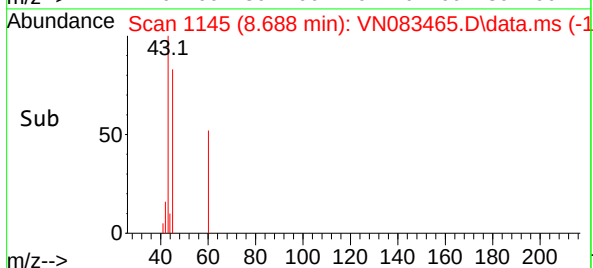
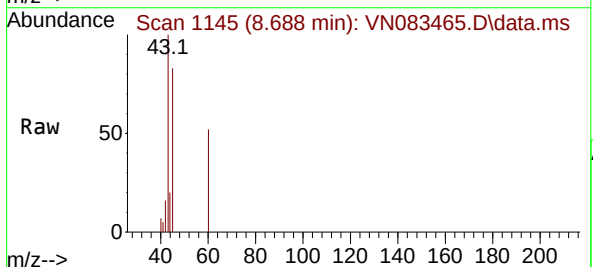


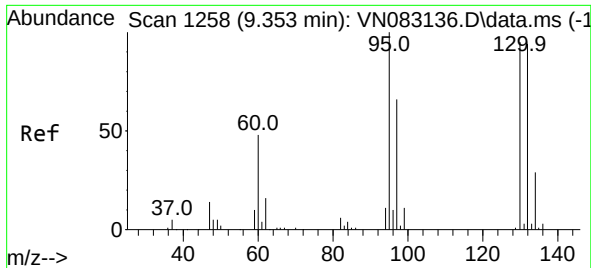
Tgt Ion:117 Resp: 14528
Ion Ratio Lower Upper
117 100
119 3.6 74.9 112.3#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 0.652 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083465.D
Acq: 23 Aug 2024 17:08

Tgt Ion: 43 Resp: 10596
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#

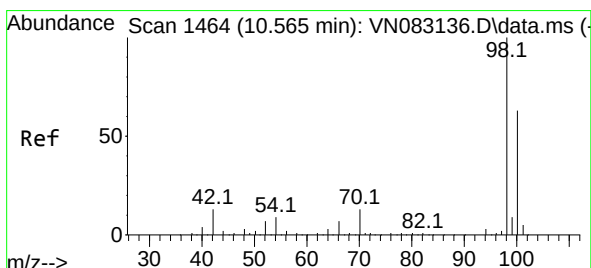
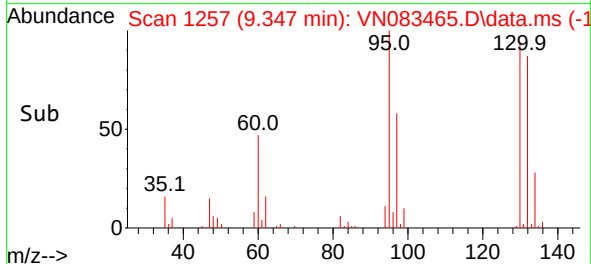
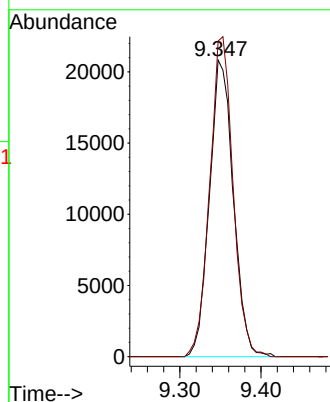
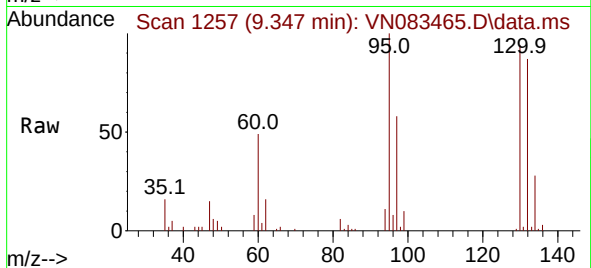




#44
Trichloroethene
Concen: 24.767 ug/l
RT: 9.347 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083465.D
Acq: 23 Aug 2024 17:08

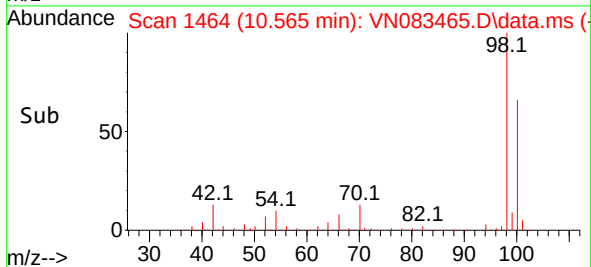
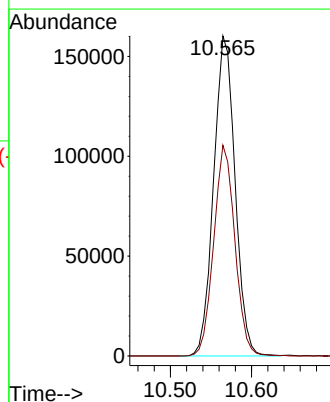
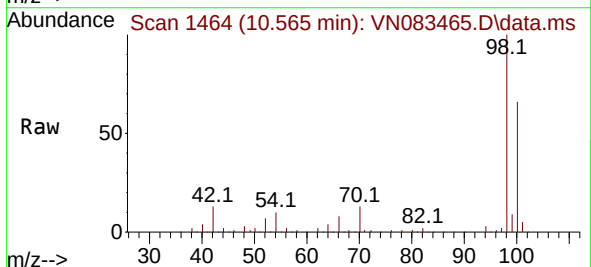
Instrument :
MSVOA_N
ClientSampleId :

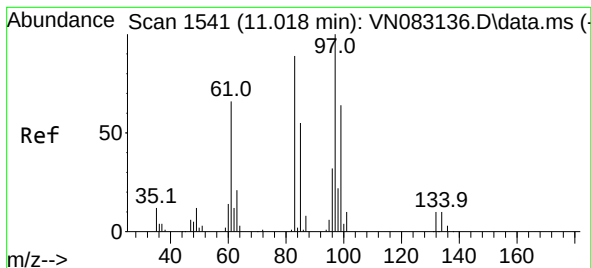
Tgt Ion:130 Resp: 42572
Ion Ratio Lower Upper
130 100
95 106.4 0.0 197.8



#50
Toluene-d8
Concen: 49.213 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083465.D
Acq: 23 Aug 2024 17:08

Tgt Ion: 98 Resp: 294178
Ion Ratio Lower Upper
98 100
100 65.1 51.5 77.3





#55

1,1,2-Trichloroethane

Concen: 1.710 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. 0.082 min

Lab File: VN083465.D

Acq: 23 Aug 2024 17:08

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 97 Resp: 2796

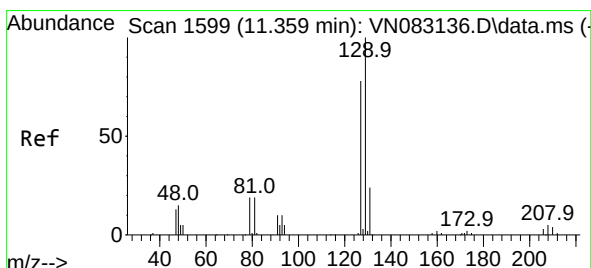
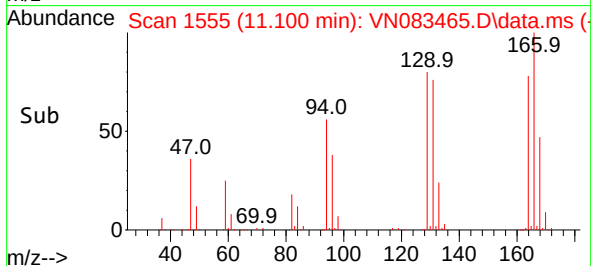
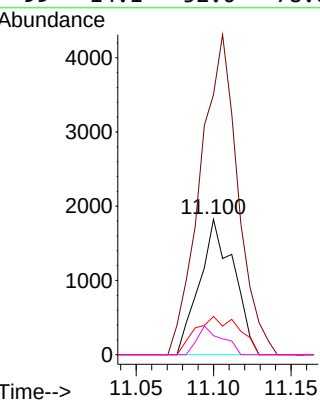
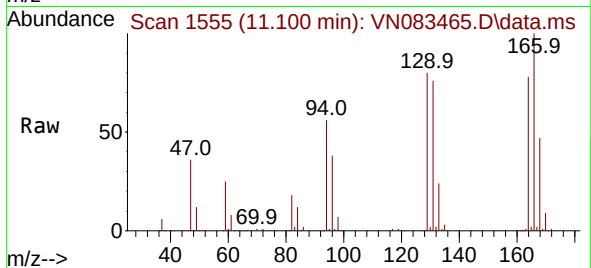
Ion Ratio Lower Upper

97 100

83 192.0 71.4 107.0#

85 28.3 45.8 68.6#

99 14.1 52.0 78.0#



#60

Dibromochloromethane

Concen: 141.857 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.253 min

Lab File: VN083465.D

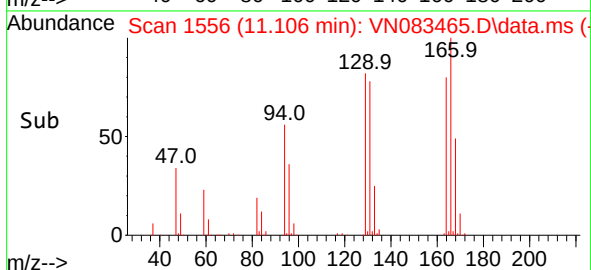
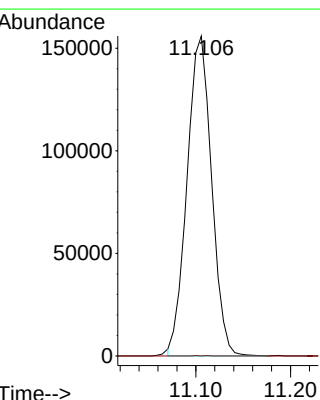
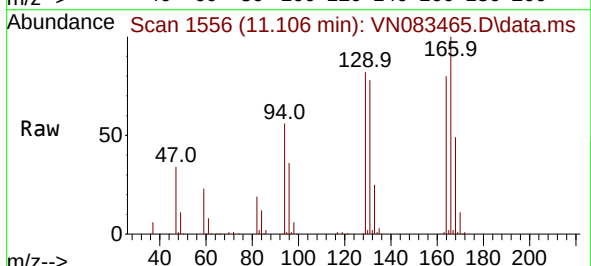
Acq: 23 Aug 2024 17:08

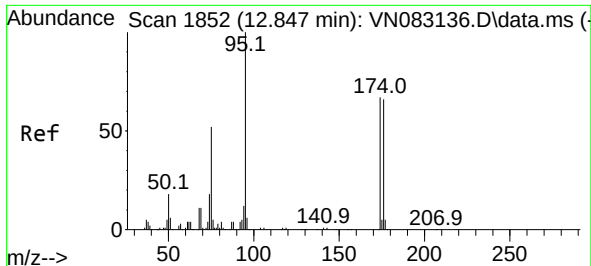
Tgt Ion:129 Resp: 280451

Ion Ratio Lower Upper

129 100

127 0.0 39.2 117.6#

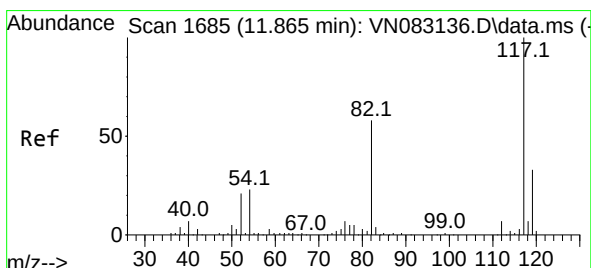
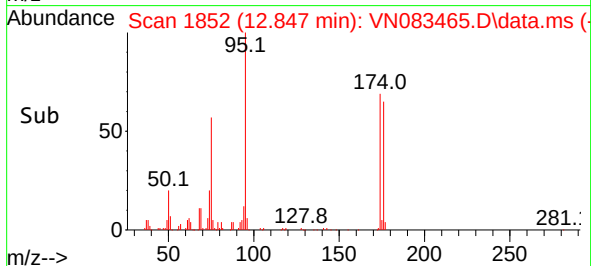
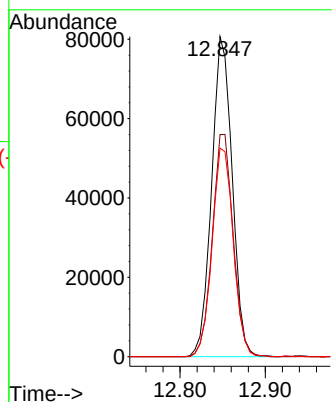
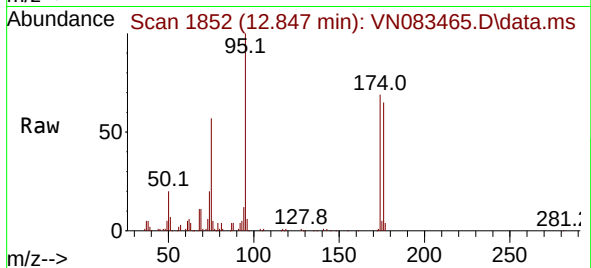




#62
4-Bromofluorobenzene
Concen: 57.968 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083465.D
Acq: 23 Aug 2024 17:08

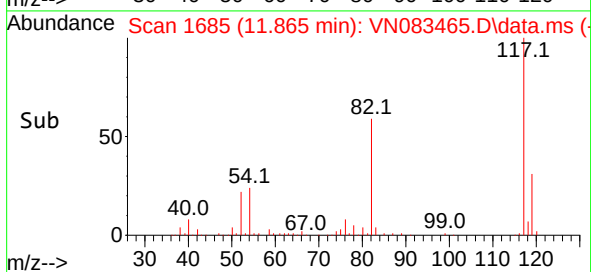
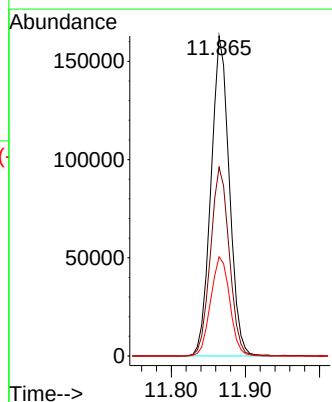
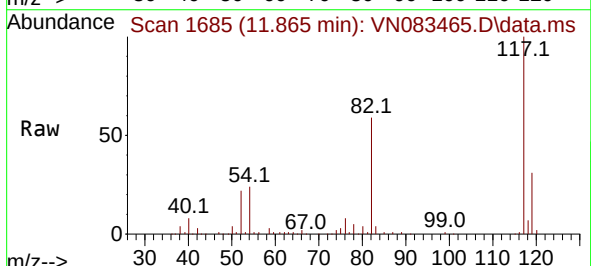
Instrument :
MSVOA_N
ClientSampleId :

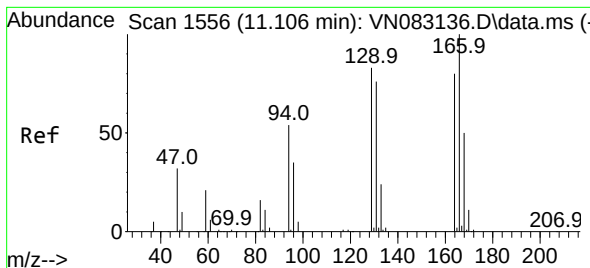
Tgt Ion: 95 Resp: 135091
Ion Ratio Lower Upper
95 100
174 70.7 0.0 159.2
176 67.2 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083465.D
Acq: 23 Aug 2024 17:08

Tgt Ion: 117 Resp: 279795
Ion Ratio Lower Upper
117 100
82 58.9 47.5 71.3
119 31.0 25.6 38.4





#64

Tetrachloroethene

Concen: 147.903 ug/l

RT: 11.106 min Scan# 11

Delta R.T. -0.000 min

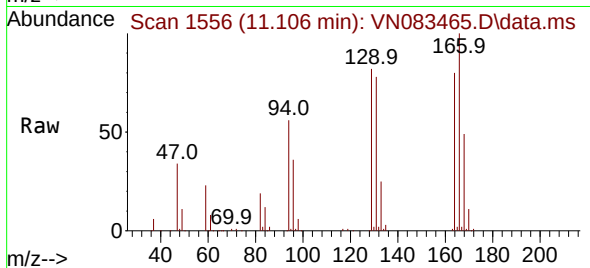
Lab File: VN083465.D

Acq: 23 Aug 2024 17:08

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:164 Resp: 274067

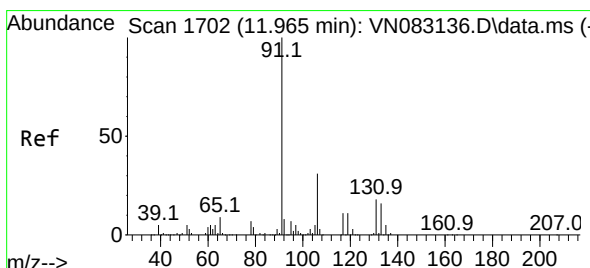
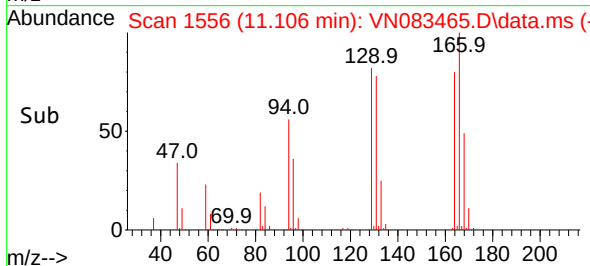
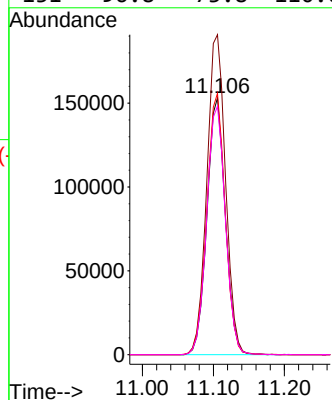
Ion Ratio Lower Upper

164 100

166 124.6 101.4 152.0

129 101.8 75.7 113.5

131 96.8 73.8 110.6



#67

Ethyl Benzene

Concen: 0.292 ug/l

RT: 11.970 min Scan# 1703

Delta R.T. 0.006 min

Lab File: VN083465.D

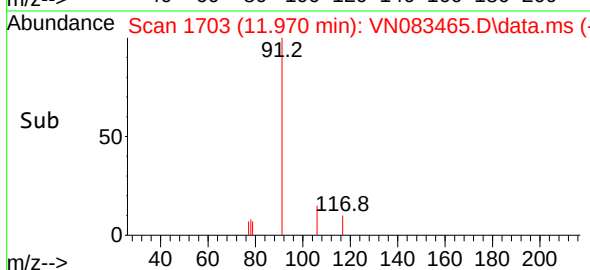
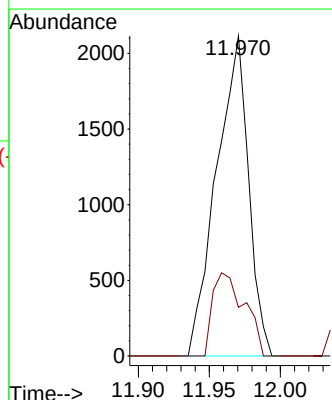
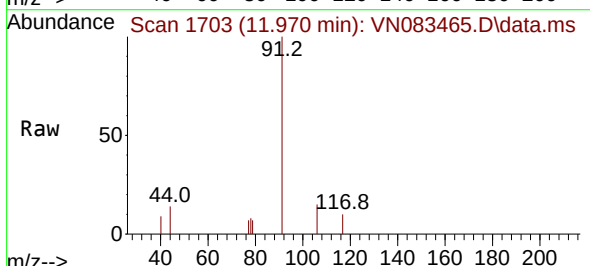
Acq: 23 Aug 2024 17:08

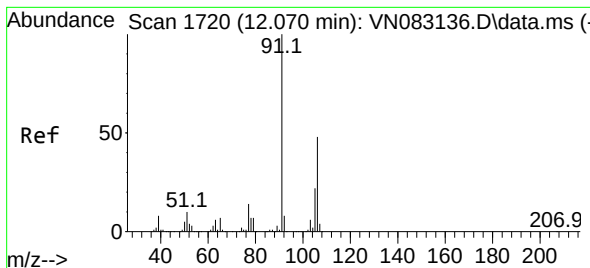
Tgt Ion: 91 Resp: 3316

Ion Ratio Lower Upper

91 100

106 15.2 24.0 36.0#

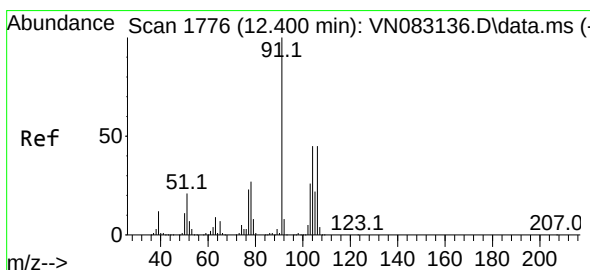
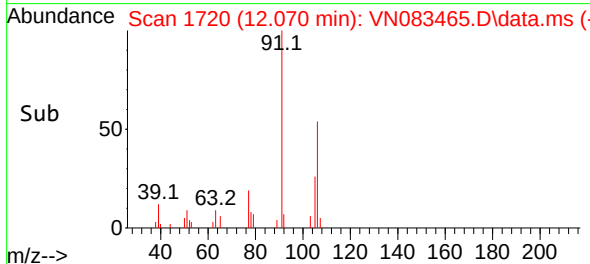
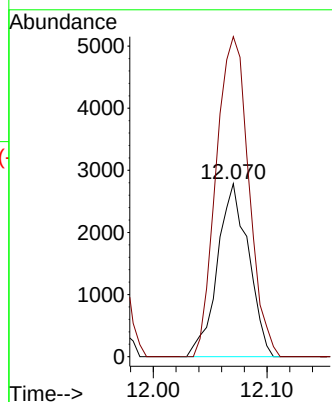
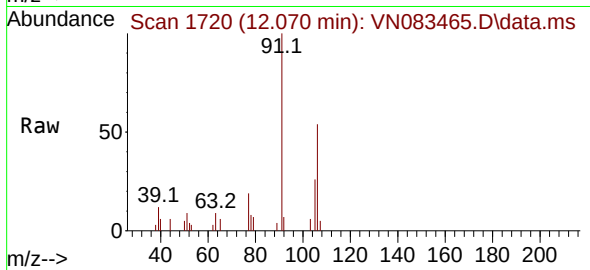




#68
m/p-Xylenes
Concen: 1.249 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN083465.D
Acq: 23 Aug 2024 17:08

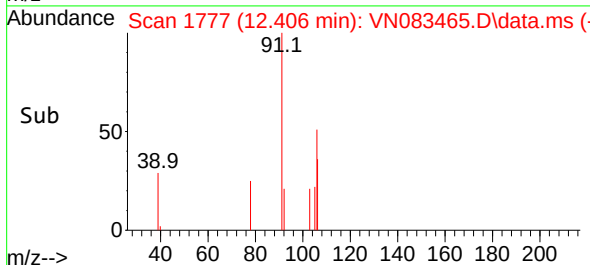
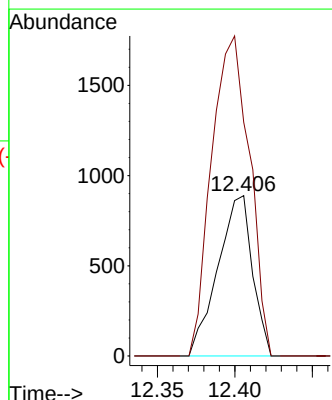
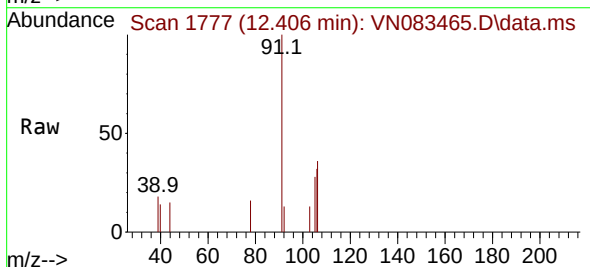
Instrument :
MSVOA_N
ClientSampleId :

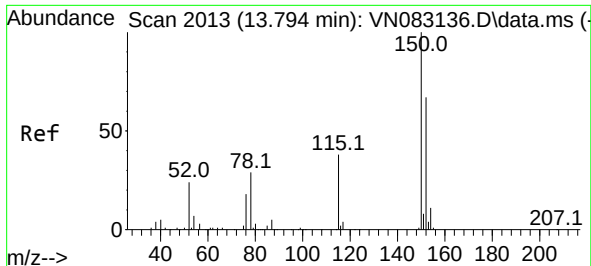
Tgt Ion:106 Resp: 5306
Ion Ratio Lower Upper
106 100
91 193.7 166.1 249.1



#69
o-Xylene
Concen: 0.329 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VN083465.D
Acq: 23 Aug 2024 17:08

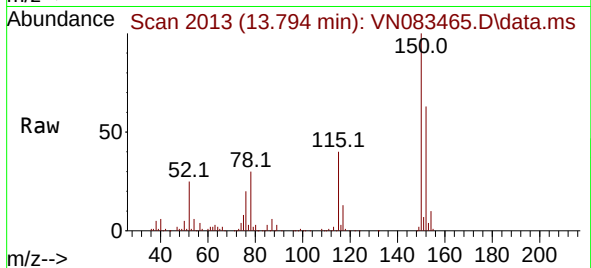
Tgt Ion:106 Resp: 1378
Ion Ratio Lower Upper
106 100
91 219.0 111.3 333.9



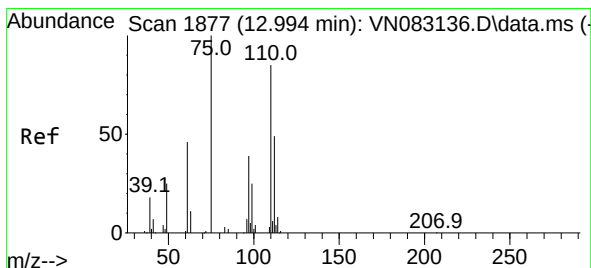
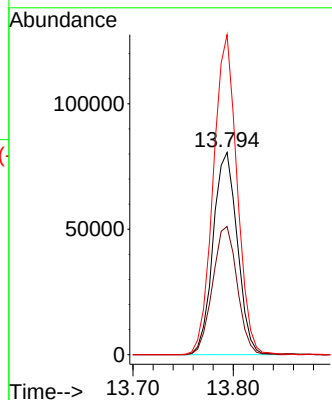
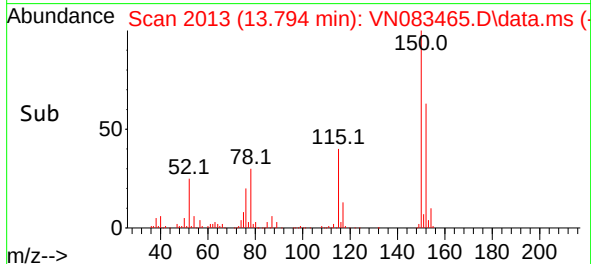


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN083465.D
Acq: 23 Aug 2024 17:08

Instrument :
MSVOA_N
ClientSampleId :

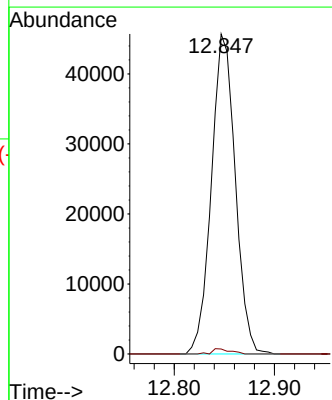
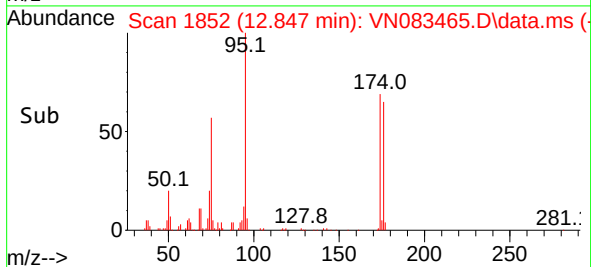
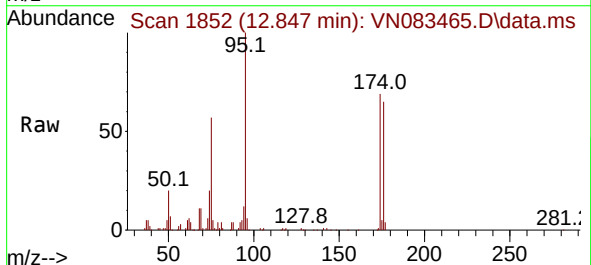


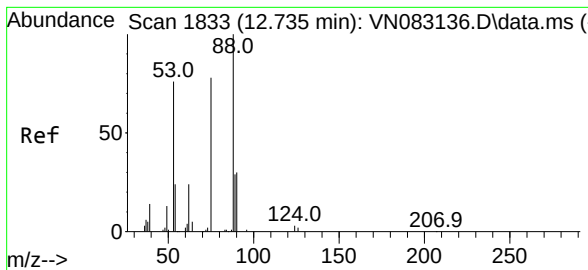
Tgt Ion:152 Resp: 135565
Ion Ratio Lower Upper
152 100
115 64.3 30.6 91.6
150 155.1 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 25.431 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083465.D
Acq: 23 Aug 2024 17:08

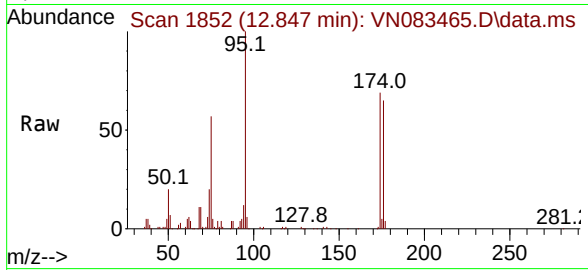
Tgt Ion: 75 Resp: 75664
Ion Ratio Lower Upper
75 100
77 1.2 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.318 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083465.D
 Acq: 23 Aug 2024 17:08

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 75664
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.4 132.6#
 89 0.0 36.3 54.5#

