

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091224\
 Data File : VN083855.D
 Acq On : 13 Sep 2024 05:49
 Operator : JC\MD
 Sample : P3957-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 13 06:42:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

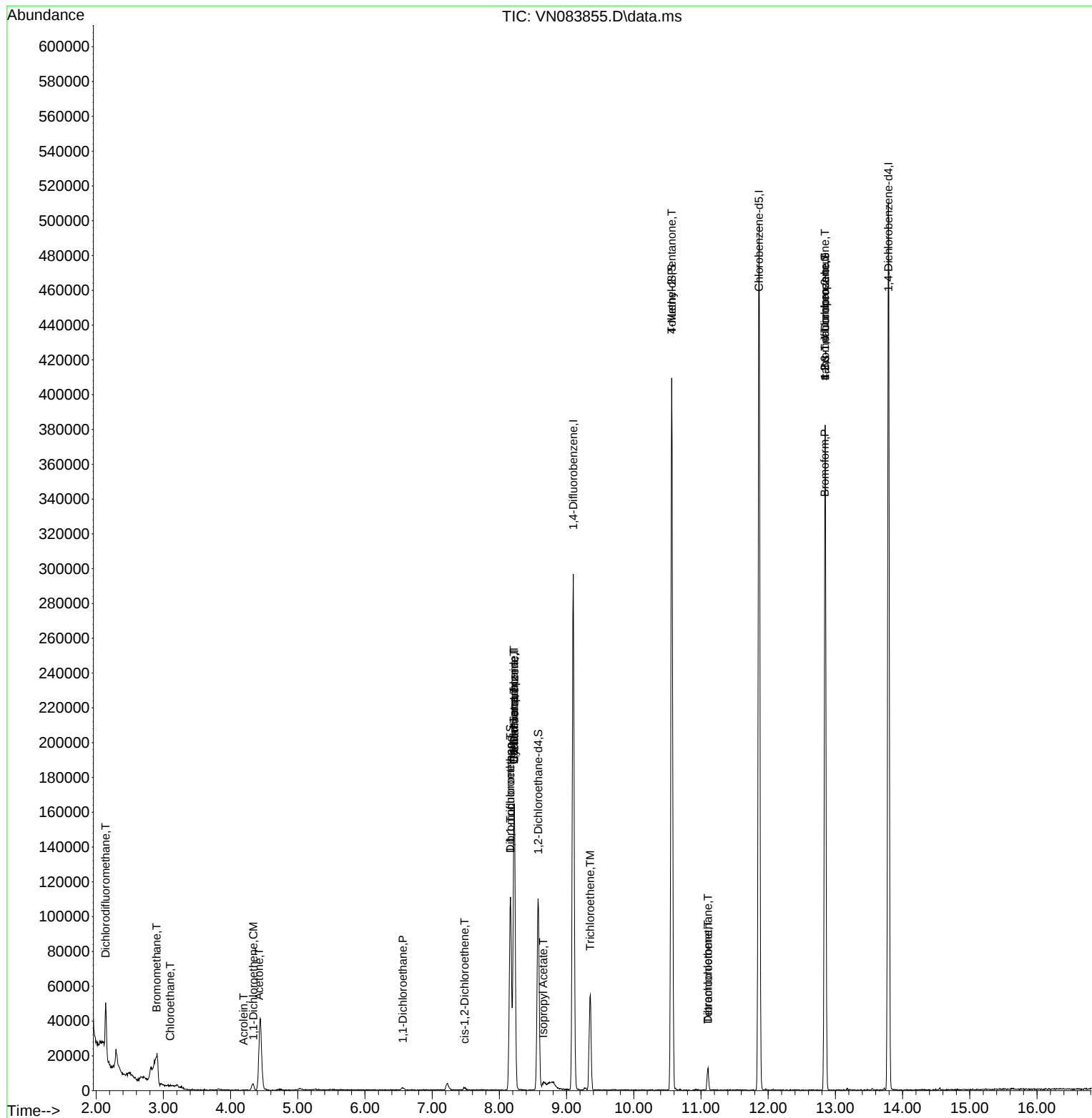
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	113564	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	237061	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	266876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127555	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	94565	55.224	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.440%	
35) Dibromofluoromethane	8.165	113	75834	49.969	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.940%	
50) Toluene-d8	10.565	98	272210	51.884	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.760%	
62) 4-Bromofluorobenzene	12.847	95	128857	59.529	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 119.060%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	330	0.250	ug/l #	43
3) Chloromethane	2.365	50	588	Below Cal	#	41
5) Bromomethane	2.901	94	178	0.214	ug/l #	2
6) Chloroethane	3.101	64	226	0.223	ug/l #	45
12) 1,1-Dichloroethene	4.342	96	2291	1.865	ug/l #	79
13) Acrolein	4.195	56	60	0.265	ug/l #	13
16) Acetone	4.424	43	477	0.695	ug/l #	45
18) Methyl Acetate	5.024	43	1812	Below Cal	#	67
24) 1,1-Dichloroethane	6.565	63	2565	0.988	ug/l #	82
27) cis-1,2-Dichloroethene	7.483	96	869	0.556	ug/l	86
31) Cyclohexane	8.218	56	3178	1.284	ug/l #	36
32) 1,1,1-Trichloroethane	8.165	97	1565	0.618	ug/l #	39
36) 1,1-Dichloropropene	8.218	75	11127	4.871	ug/l #	49
38) Carbon Tetrachloride	8.218	117	12967	5.004	ug/l #	17
43) Isopropyl Acetate	8.653	43	5828	1.551	ug/l #	57
44) Trichloroethene	9.353	130	19093	11.992	ug/l	95
51) 4-Methyl-2-Pentanone	10.565	43	1670	0.817	ug/l #	1
60) Dibromochloromethane	11.106	129	2701	1.537	ug/l #	10
64) Tetrachloroethene	11.106	164	2584	1.456	ug/l	93
71) Bromoform	12.841	173	897	0.647	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	75436	29.309	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75436	76.763	ug/l #	9

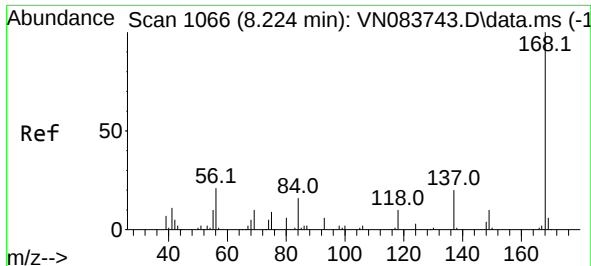
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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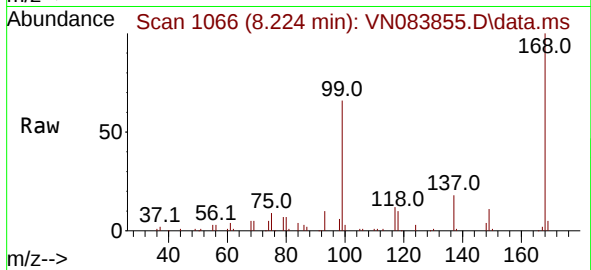
Quant Time: Sep 13 06:42:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
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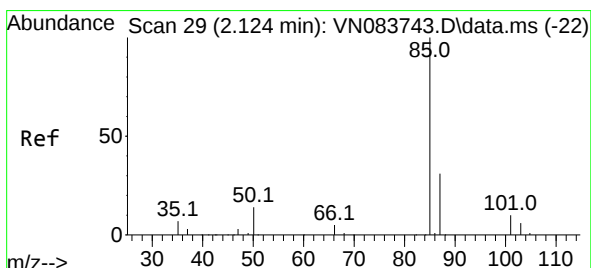
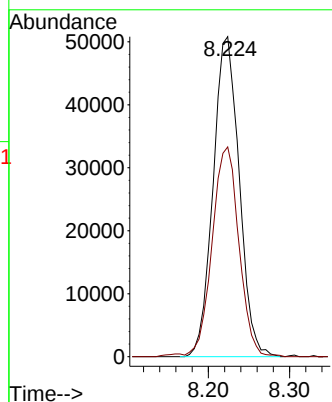
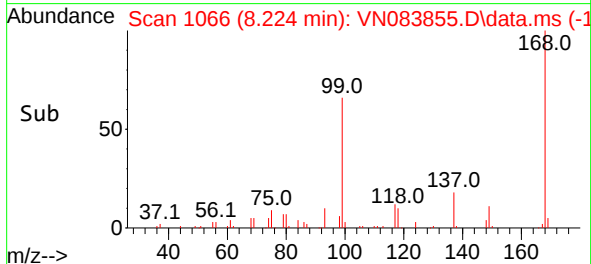


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083855.D
Acq: 13 Sep 2024 05:49

Instrument :
MSVOA_N
ClientSampleId :

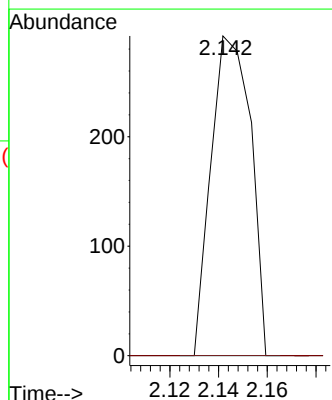
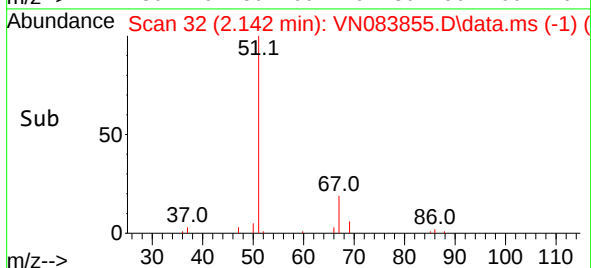
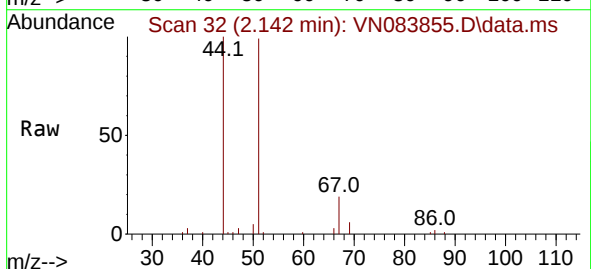


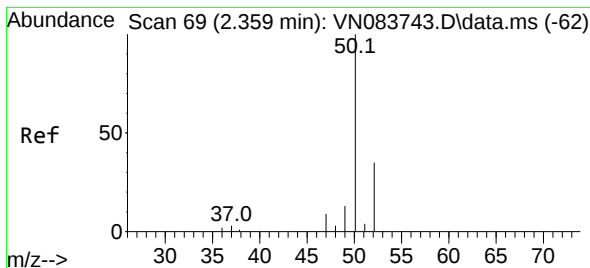
Tgt Ion:168 Resp: 113564
Ion Ratio Lower Upper
168 100
99 65.1 54.2 81.2



#2
Dichlorodifluoromethane
Concen: 0.250 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.018 min
Lab File: VN083855.D
Acq: 13 Sep 2024 05:49

Tgt Ion: 85 Resp: 330
Ion Ratio Lower Upper
85 100
87 0.0 15.7 47.0#





#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN083855.D

Acq: 13 Sep 2024 05:49

Instrument :

MSVOA_N

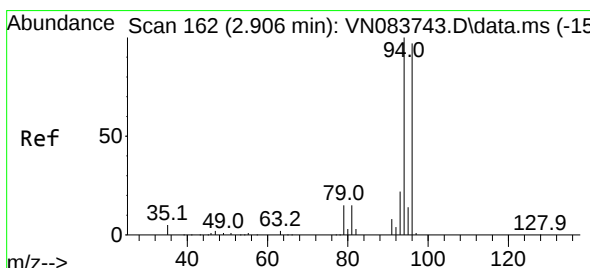
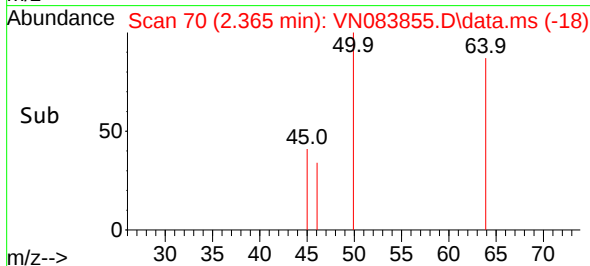
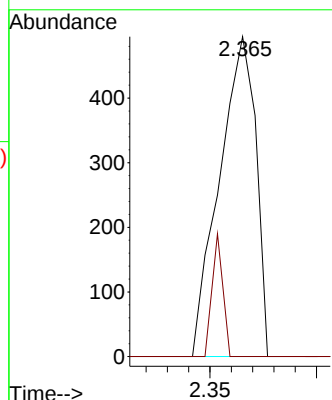
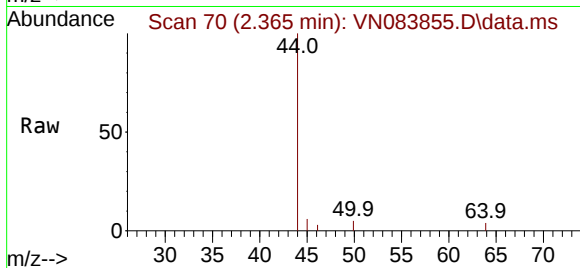
ClientSampleId :

Tgt Ion: 50 Resp: 588

Ion Ratio Lower Upper

50 100

52 0.0 27.2 40.8#



#5

Bromomethane

Concen: 0.214 ug/l

RT: 2.901 min Scan# 161

Delta R.T. -0.006 min

Lab File: VN083855.D

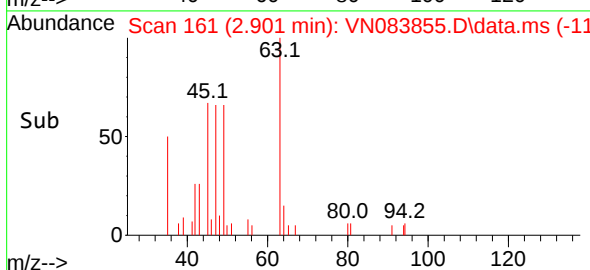
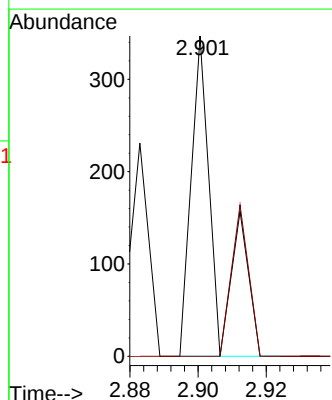
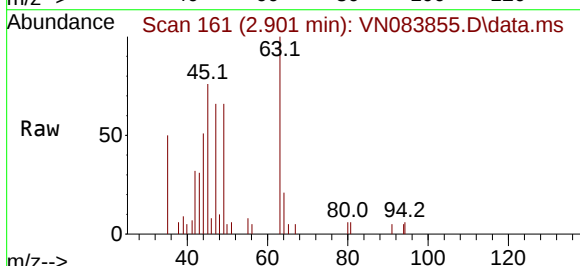
Acq: 13 Sep 2024 05:49

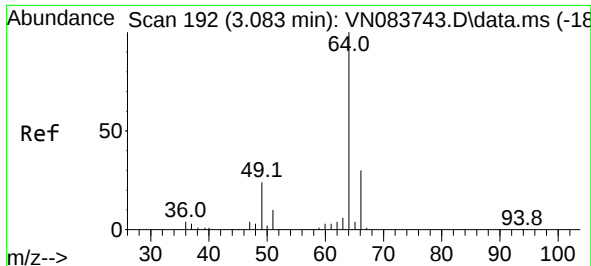
Tgt Ion: 94 Resp: 178

Ion Ratio Lower Upper

94 100

96 0.0 76.0 114.0#

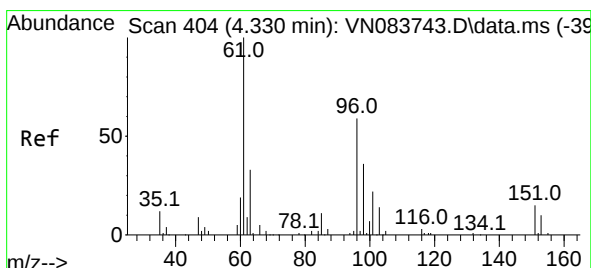
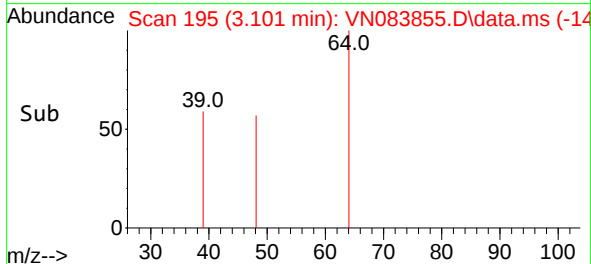
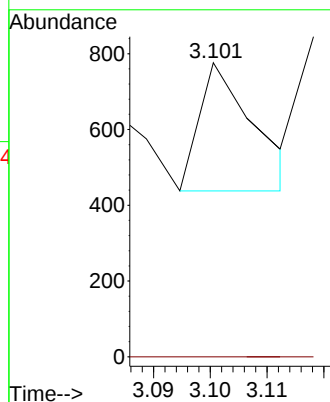
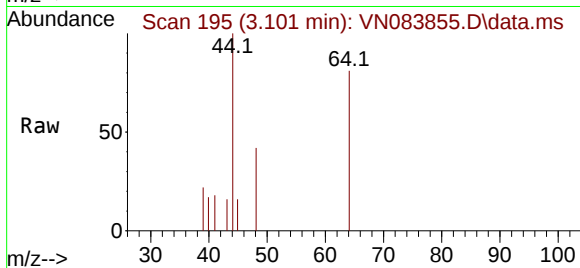




#6
Chloroethane
Concen: 0.223 ug/l
RT: 3.101 min Scan# 19
Delta R.T. 0.018 min
Lab File: VN083855.D
Acq: 13 Sep 2024 05:49

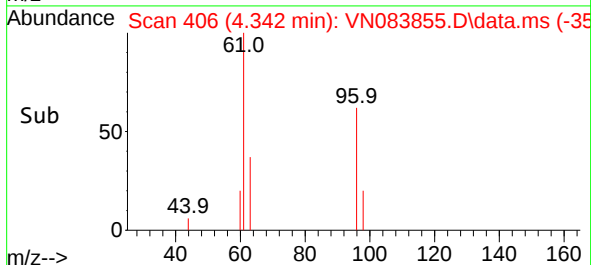
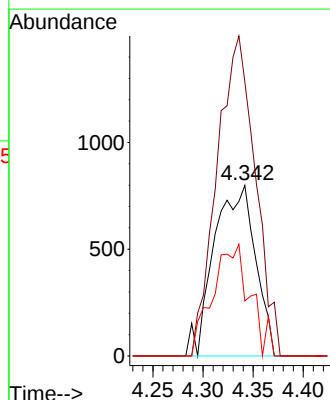
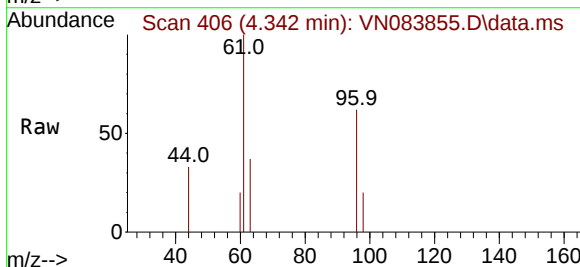
Instrument :
MSVOA_N
ClientSampleId :

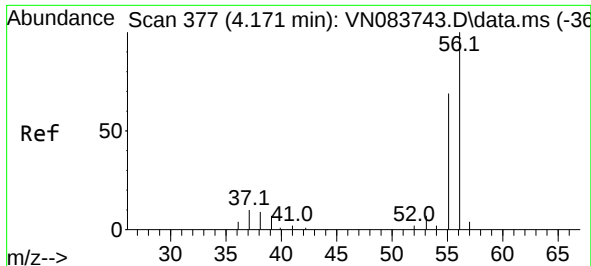
Tgt Ion: 64 Resp: 226
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#12
1,1-Dichloroethene
Concen: 1.865 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.012 min
Lab File: VN083855.D
Acq: 13 Sep 2024 05:49

Tgt Ion: 96 Resp: 2291
Ion Ratio Lower Upper
96 100
61 160.8 143.4 215.0
98 32.3 52.7 79.1#





#13

Acrolein

Concen: 0.265 ug/l

RT: 4.195 min Scan# 381

Delta R.T. 0.024 min

Lab File: VN083855.D

Acq: 13 Sep 2024 05:49

Instrument :

MSVOA_N

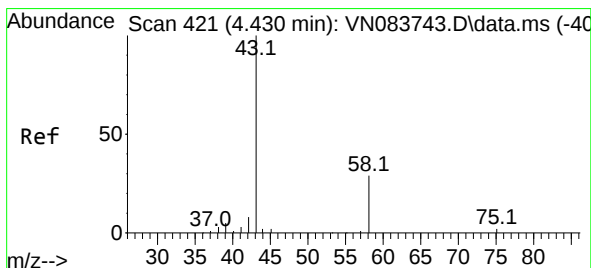
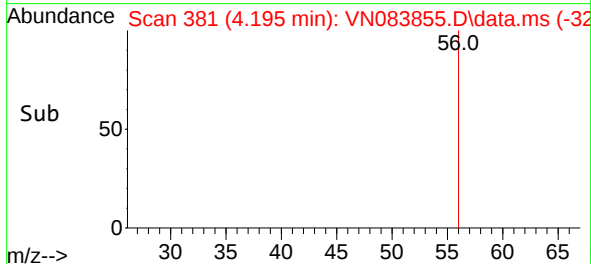
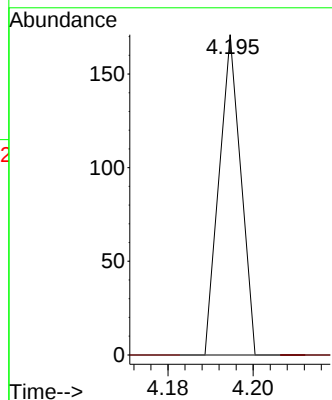
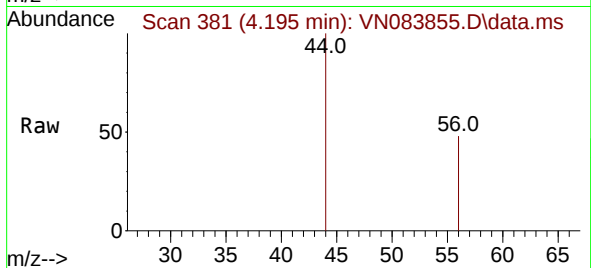
ClientSampleId :

Tgt Ion: 56 Resp: 60

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.2#



#16

Acetone

Concen: 0.695 ug/l

RT: 4.424 min Scan# 420

Delta R.T. -0.006 min

Lab File: VN083855.D

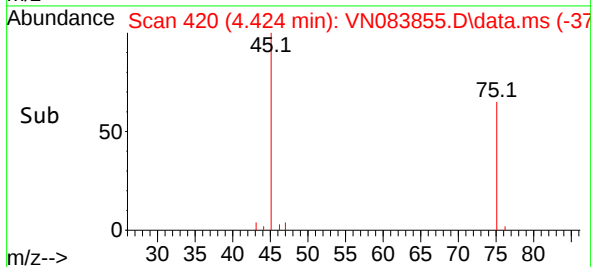
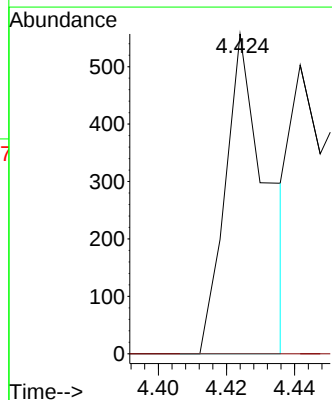
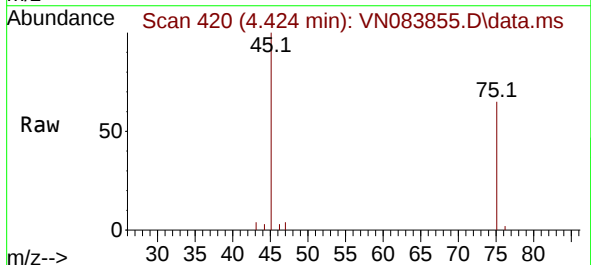
Acq: 13 Sep 2024 05:49

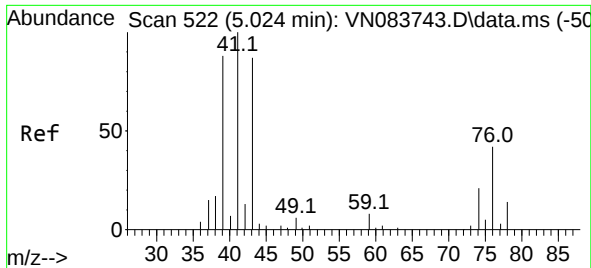
Tgt Ion: 43 Resp: 477

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#

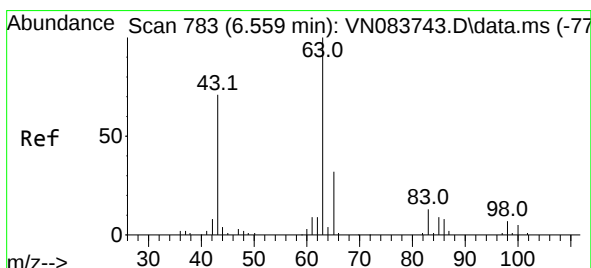
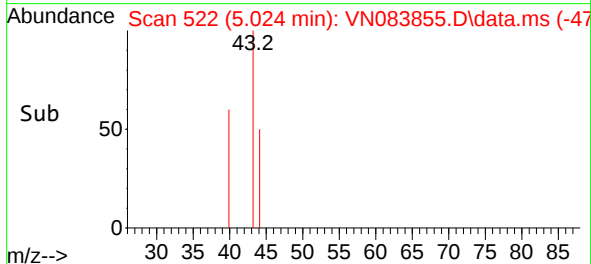
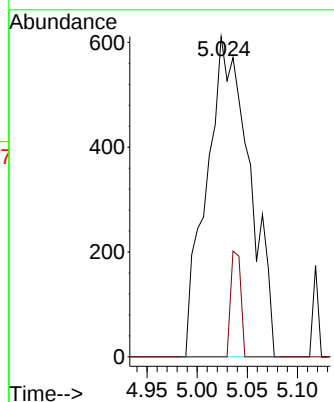
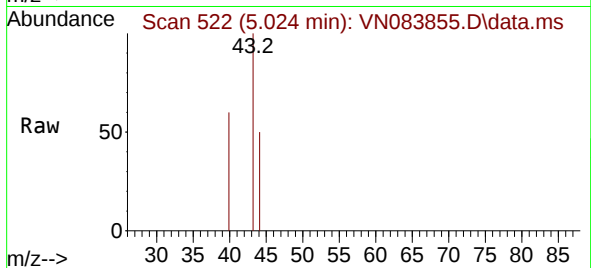




#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN083855.D
Acq: 13 Sep 2024 05:49

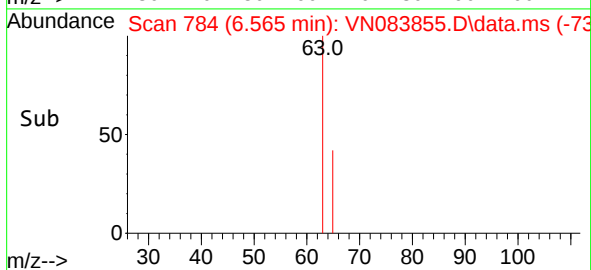
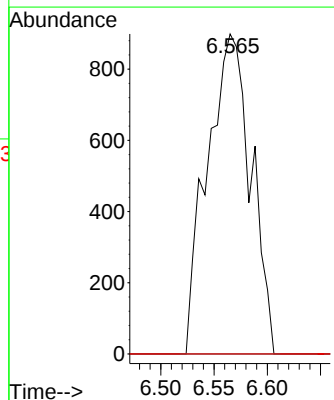
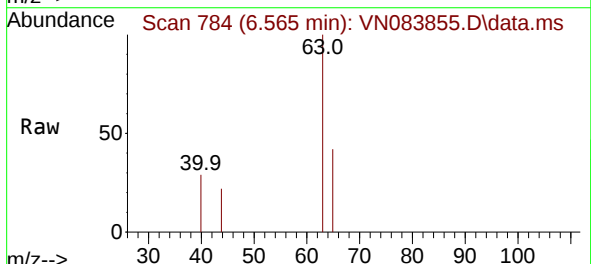
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MSVOA_N
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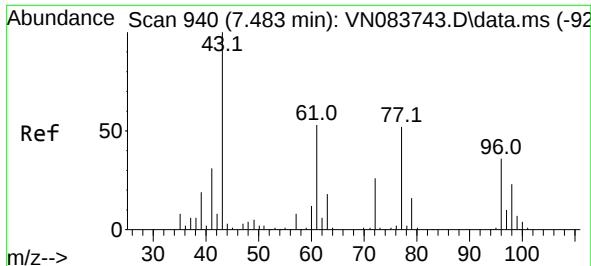
Tgt Ion: 43 Resp: 1812
Ion Ratio Lower Upper
43 100
74 7.7 19.0 28.4#



#24
1,1-Dichloroethane
Concen: 0.988 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.006 min
Lab File: VN083855.D
Acq: 13 Sep 2024 05:49

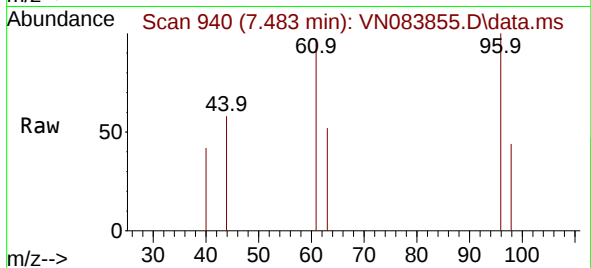
Tgt Ion: 63 Resp: 2565
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.5 7.5#



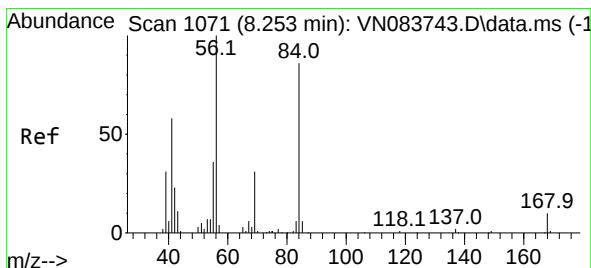
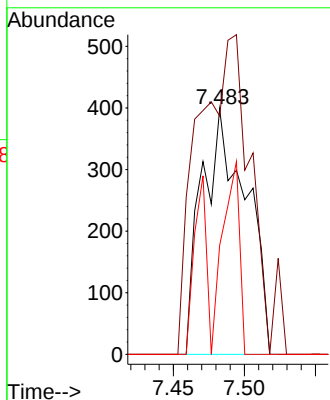
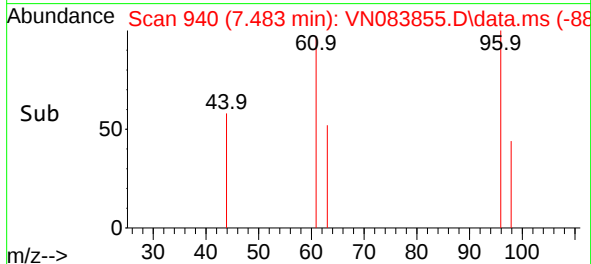


#27
 cis-1,2-Dichloroethene
 Concen: 0.556 ug/l
 RT: 7.483 min Scan# 940
 Delta R.T. -0.000 min
 Lab File: VN083855.D
 Acq: 13 Sep 2024 05:49

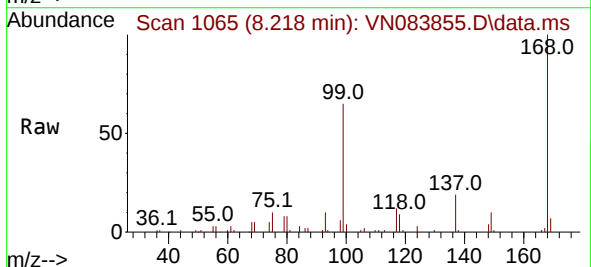
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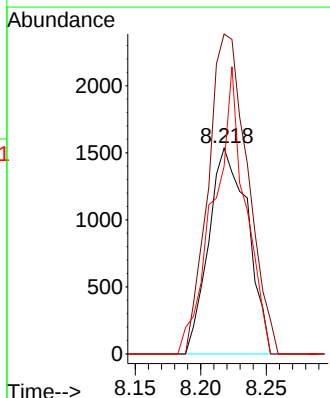
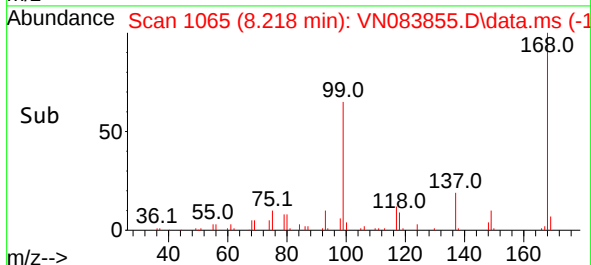
Tgt Ion: 96	Resp: 869
Ion Ratio	Lower Upper
96 100	
61 154.3	0.0 306.2
98 29.7	0.0 128.6

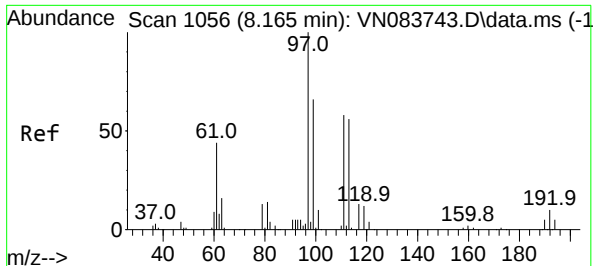


#31
 Cyclohexane
 Concen: 1.284 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.035 min
 Lab File: VN083855.D
 Acq: 13 Sep 2024 05:49



Tgt Ion: 56	Resp: 3178
Ion Ratio	Lower Upper
56 100	
69 155.5	26.9 40.3#
84 91.2	69.2 103.8





#32

1,1,1-Trichloroethane

Concen: 0.618 ug/l

RT: 8.165 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083855.D

Acq: 13 Sep 2024 05:49

Instrument :

MSVOA_N

ClientSampleId :

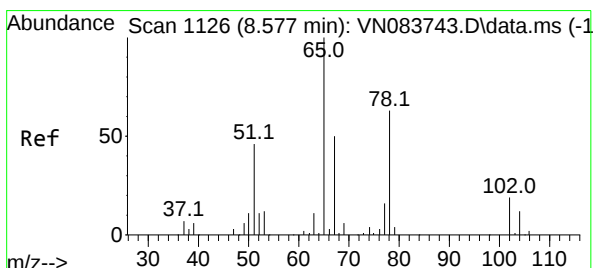
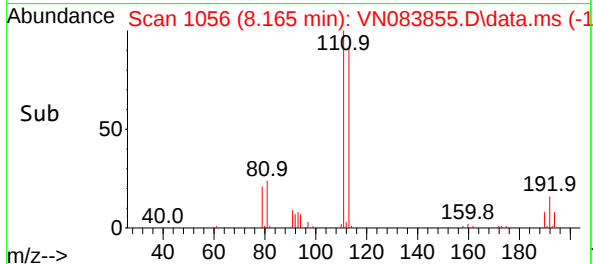
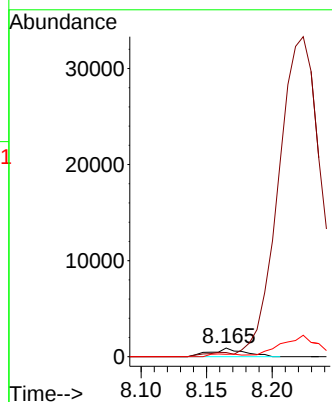
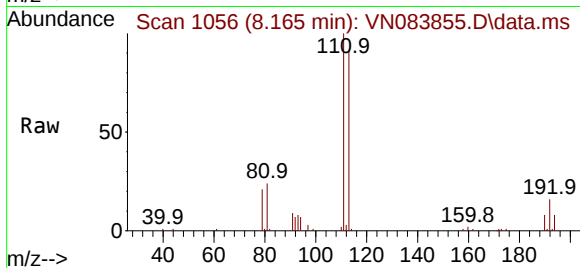
Tgt Ion: 97 Resp: 1565

Ion Ratio Lower Upper

97 100

99 0.0 52.3 78.5#

61 27.4 38.2 57.2#



#33

1,2-Dichloroethane-d4

Concen: 55.224 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083855.D

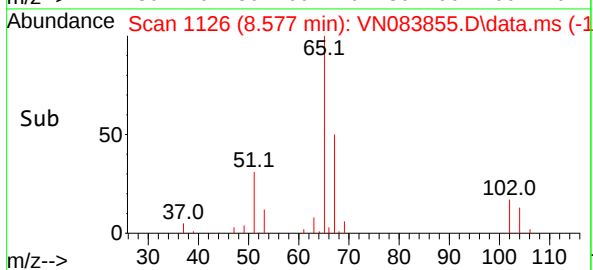
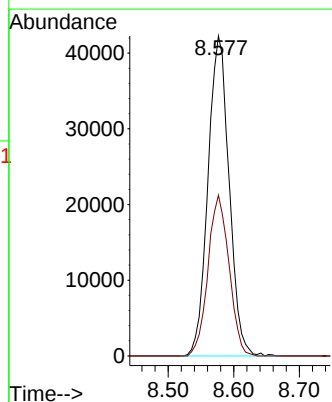
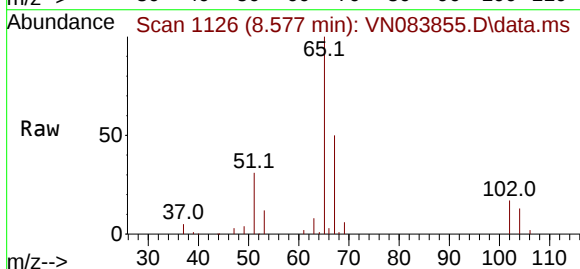
Acq: 13 Sep 2024 05:49

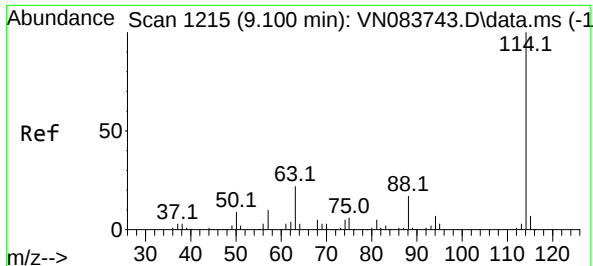
Tgt Ion: 65 Resp: 94565

Ion Ratio Lower Upper

65 100

67 50.0 0.0 100.8

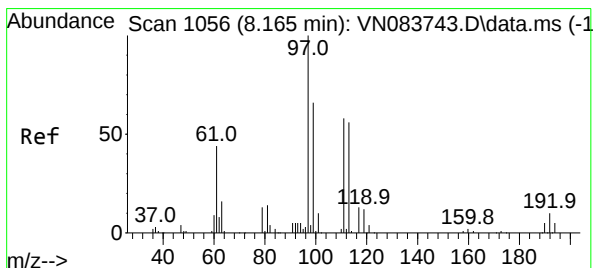
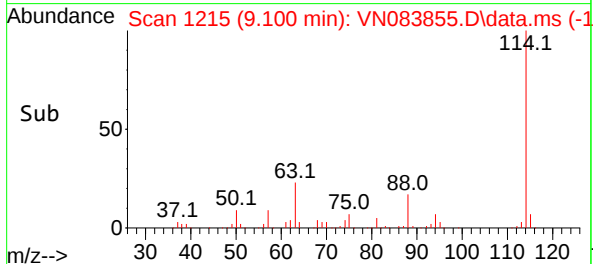
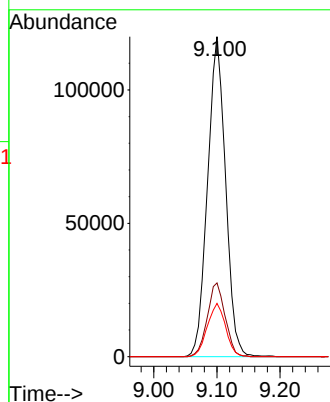
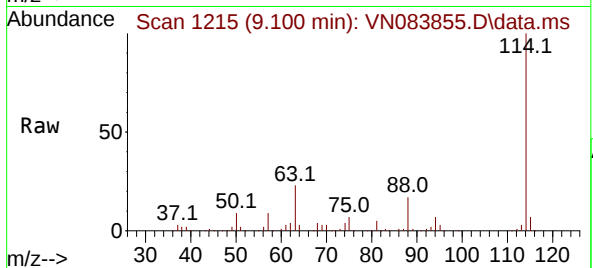




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083855.D
Acq: 13 Sep 2024 05:49

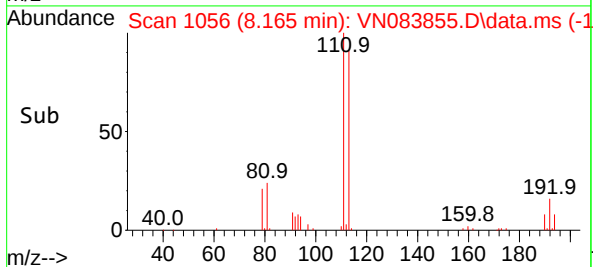
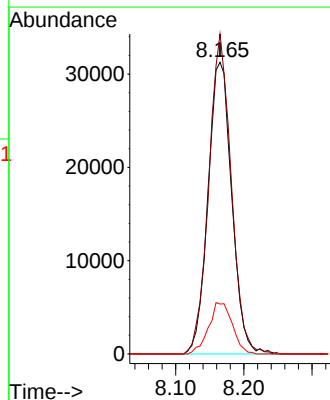
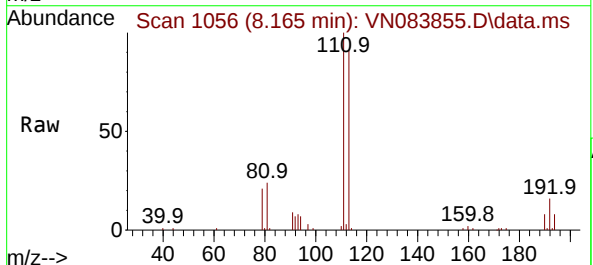
Instrument :
MSVOA_N
ClientSampleId :

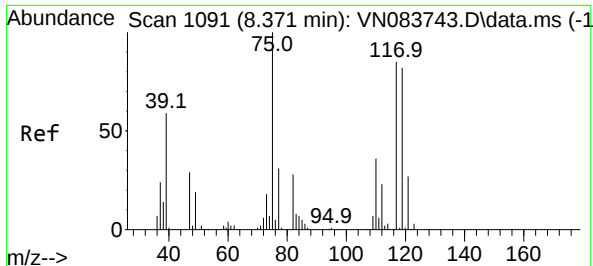
Tgt Ion:114 Resp: 237061
Ion Ratio Lower Upper
114 100
63 23.1 0.0 43.4
88 16.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 49.969 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN083855.D
Acq: 13 Sep 2024 05:49

Tgt Ion:113 Resp: 75834
Ion Ratio Lower Upper
113 100
111 103.6 82.6 124.0
192 17.6 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.871 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN083855.D

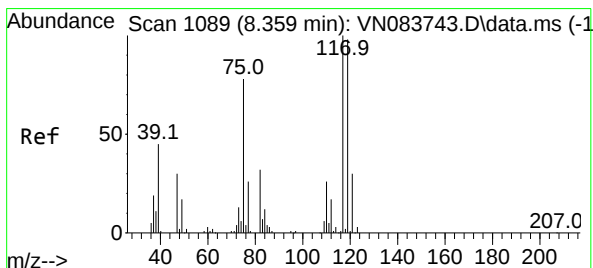
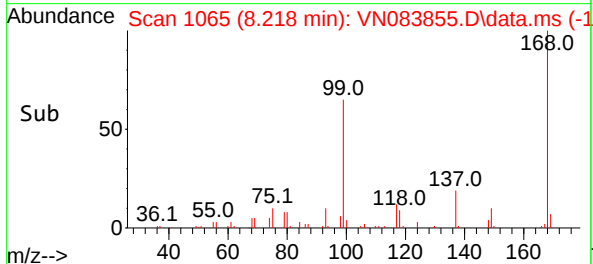
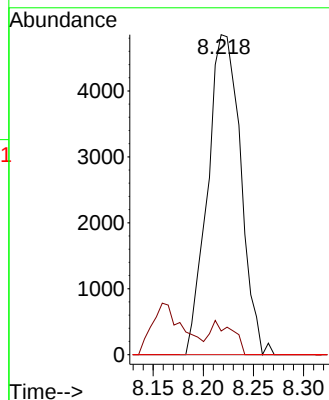
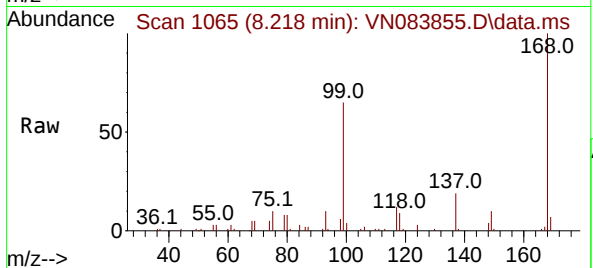
Acq: 13 Sep 2024 05:49

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 75	Resp: 11127
Ion Ratio	Lower Upper
75 100	
110 7.2	16.7 50.1#
77 0.0	25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.004 ug/l

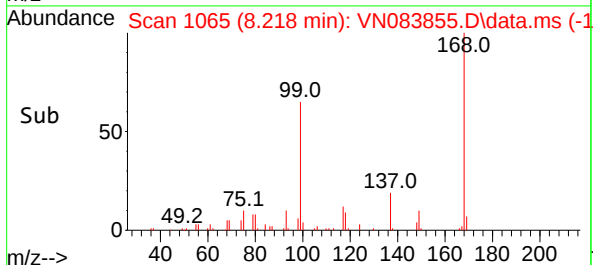
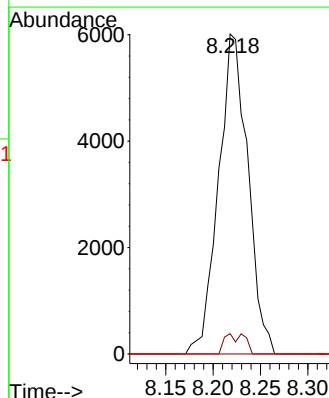
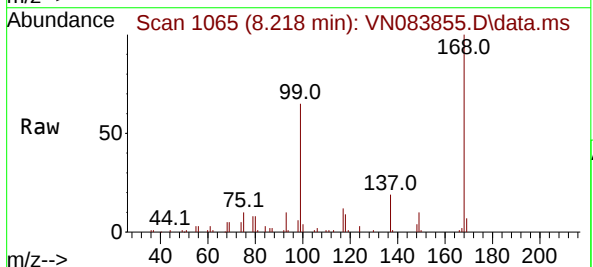
RT: 8.218 min Scan# 1065

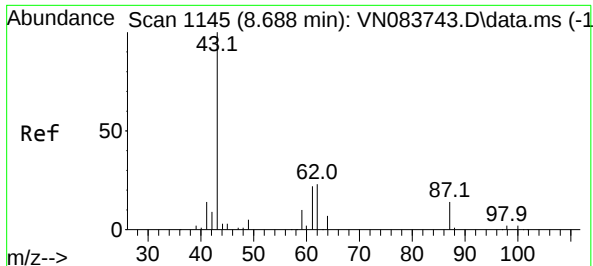
Delta R.T. -0.141 min

Lab File: VN083855.D

Acq: 13 Sep 2024 05:49

Tgt Ion: 117	Resp: 12967
Ion Ratio	Lower Upper
117 100	
119 6.4	76.1 114.1#
121 0.0	24.1 36.1#





#43

Isopropyl Acetate

Concen: 1.551 ug/l

RT: 8.653 min Scan# 1139

Delta R.T. -0.035 min

Lab File: VN083855.D

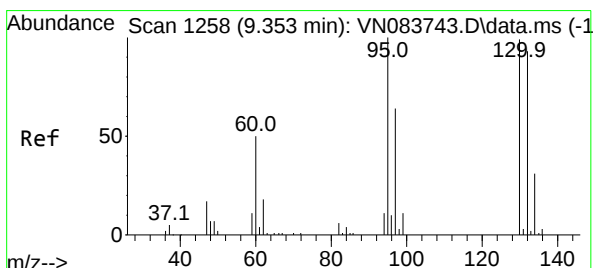
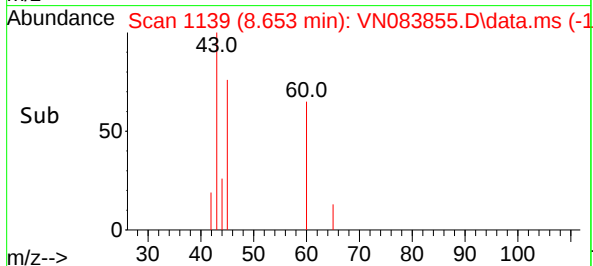
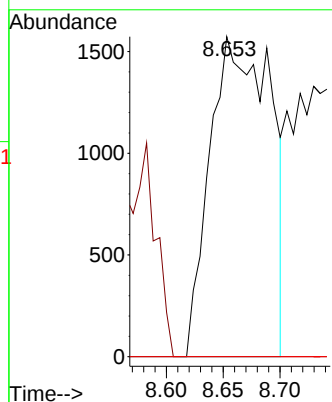
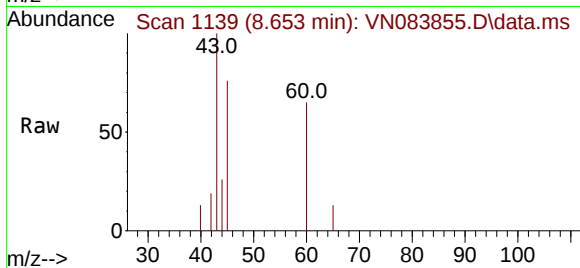
Acq: 13 Sep 2024 05:49

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43	Resp: 5828
Ion Ratio	Lower Upper
43	100
61	0.0 19.4 29.0#
87	0.0 9.8 14.6#



#44

Trichloroethene

Concen: 11.992 ug/l

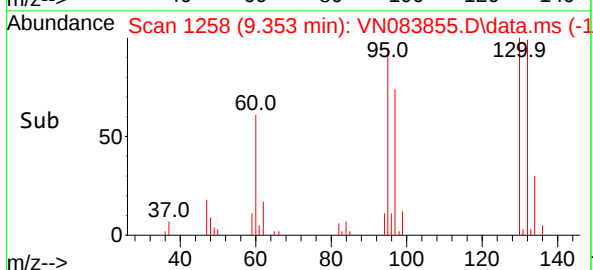
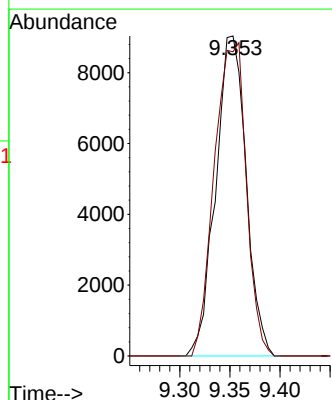
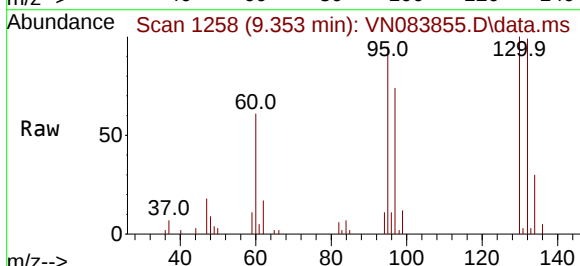
RT: 9.353 min Scan# 1258

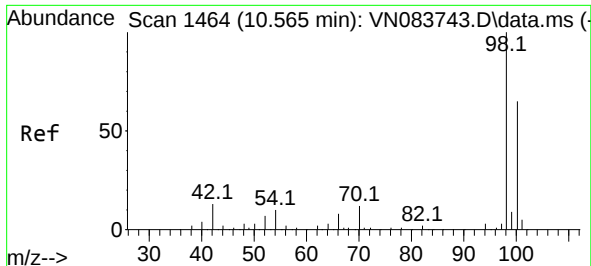
Delta R.T. -0.000 min

Lab File: VN083855.D

Acq: 13 Sep 2024 05:49

Tgt Ion: 130	Resp: 19093
Ion Ratio	Lower Upper
130	100
95	95.1 0.0 200.4

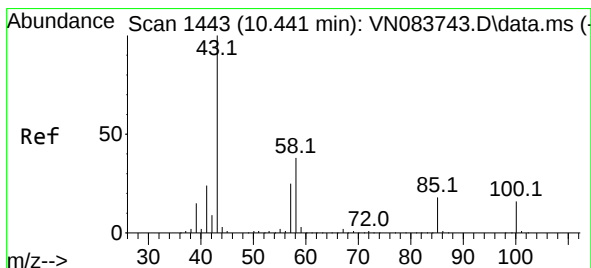
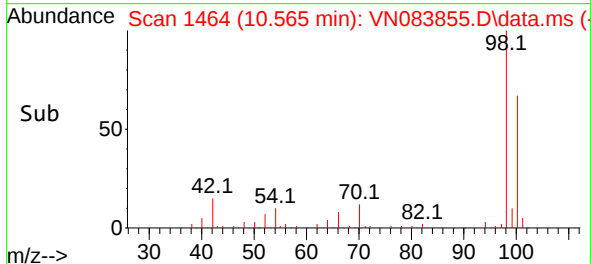
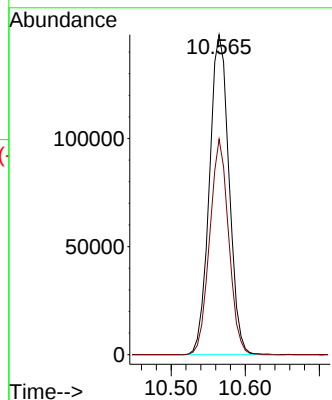
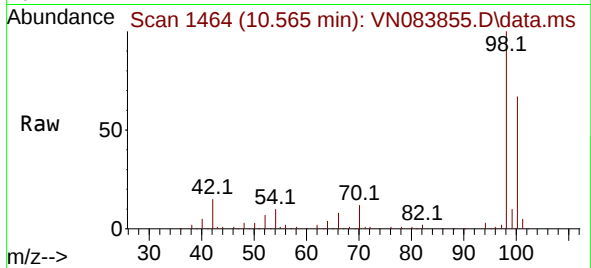




#50
Toluene-d8
Concen: 51.884 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083855.D
Acq: 13 Sep 2024 05:49

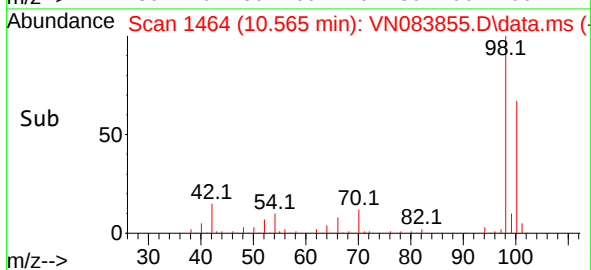
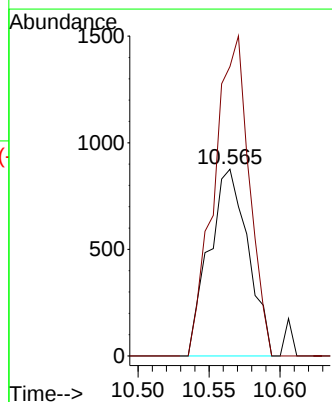
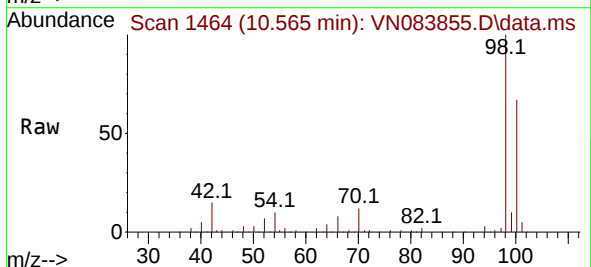
Instrument :
MSVOA_N
ClientSampleId :

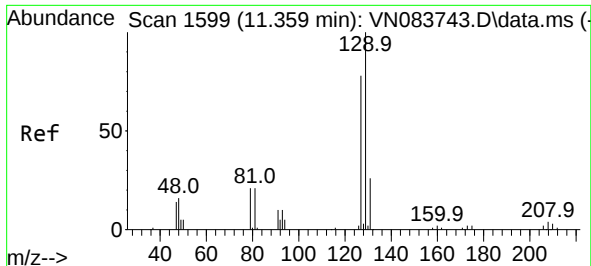
Tgt Ion: 98 Resp: 272210
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.817 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.124 min
Lab File: VN083855.D
Acq: 13 Sep 2024 05:49

Tgt Ion: 43 Resp: 1670
Ion Ratio Lower Upper
43 100
58 155.0 31.6 47.4#

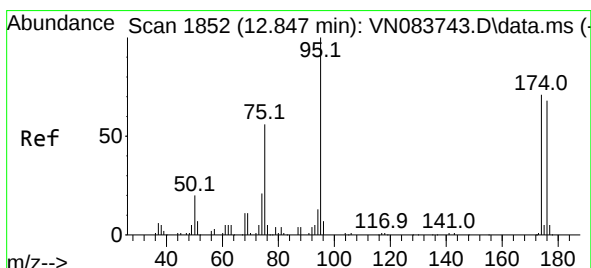
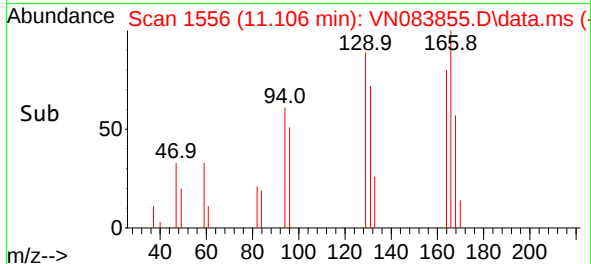
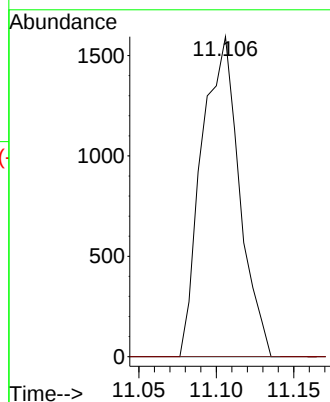
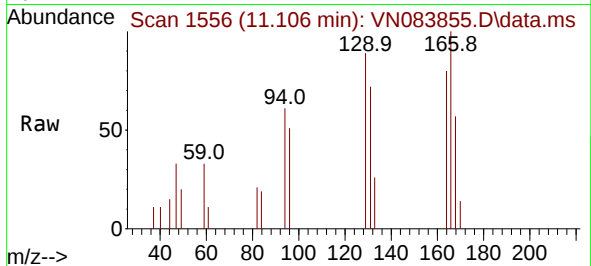




#60
Dibromochloromethane
Concen: 1.537 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN083855.D
Acq: 13 Sep 2024 05:49

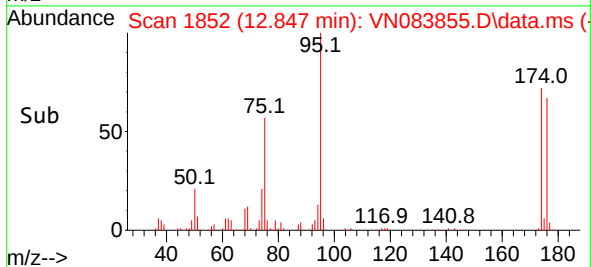
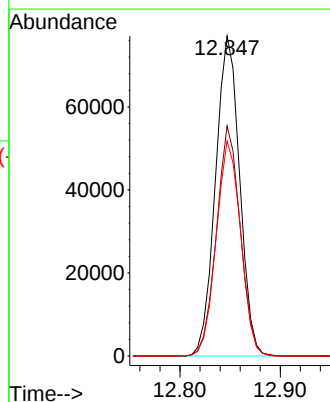
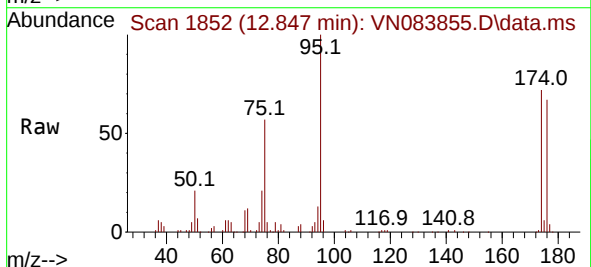
Instrument :
MSVOA_N
ClientSampleId :

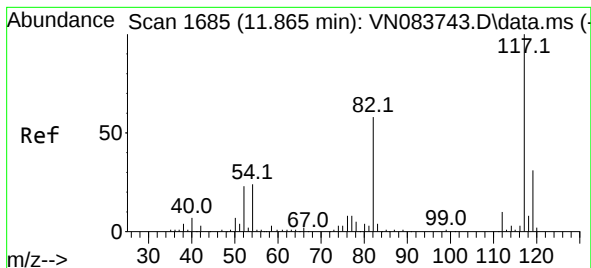
Tgt Ion:129 Resp: 2701
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 59.529 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083855.D
Acq: 13 Sep 2024 05:49

Tgt Ion: 95 Resp: 128857
Ion Ratio Lower Upper
95 100
174 71.0 0.0 139.8
176 67.8 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083855.D

Acq: 13 Sep 2024 05:49

Instrument :

MSVOA_N

ClientSampleId :

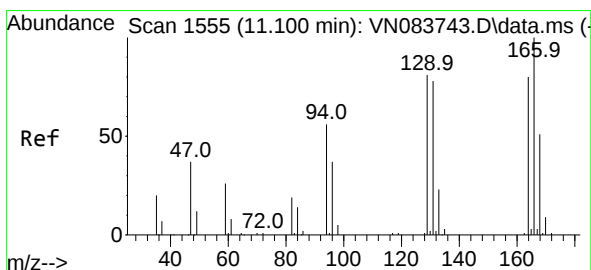
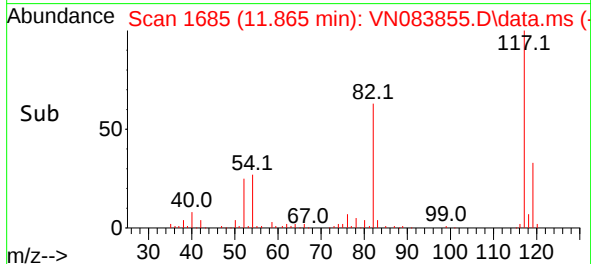
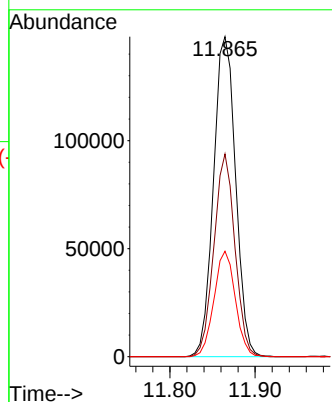
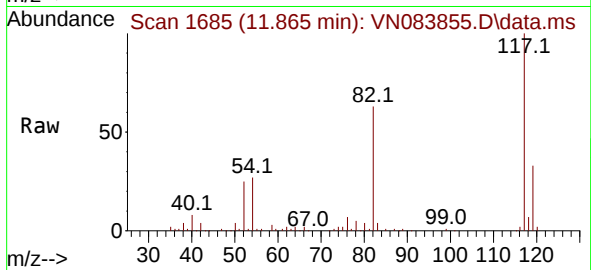
Tgt Ion:117 Resp: 266876

Ion Ratio Lower Upper

117 100

82 63.3 47.4 71.0

119 33.0 26.3 39.5



#64

Tetrachloroethene

Concen: 1.456 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. 0.006 min

Lab File: VN083855.D

Acq: 13 Sep 2024 05:49

Tgt Ion:164 Resp: 2584

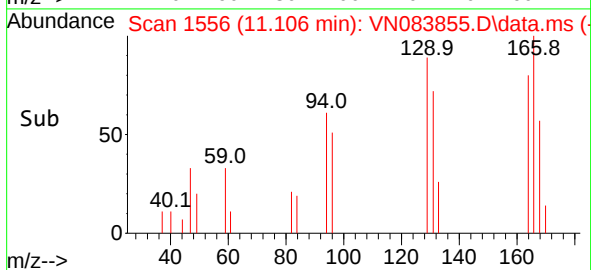
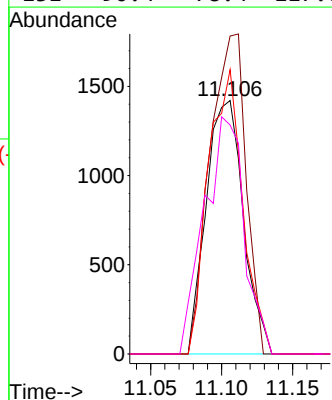
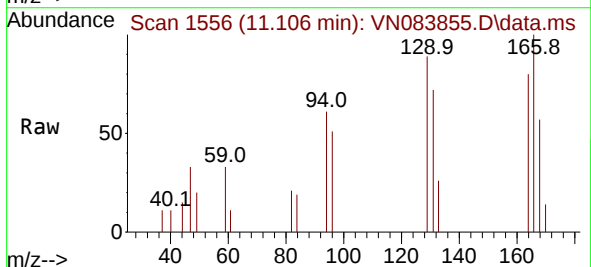
Ion Ratio Lower Upper

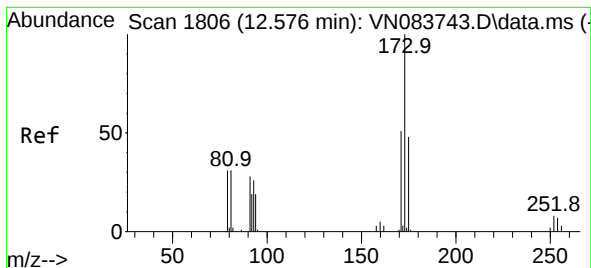
164 100

166 125.4 103.7 155.5

129 112.2 79.9 119.9

131 90.4 78.4 117.6





#71

Bromoform

Concen: 0.647 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

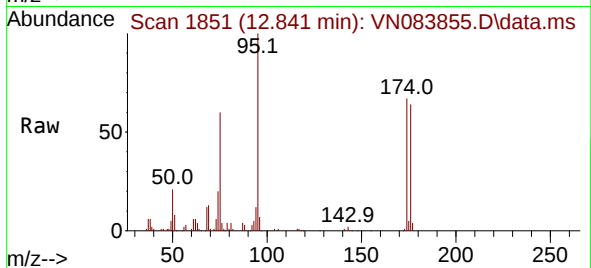
Lab File: VN083855.D

Acq: 13 Sep 2024 05:49

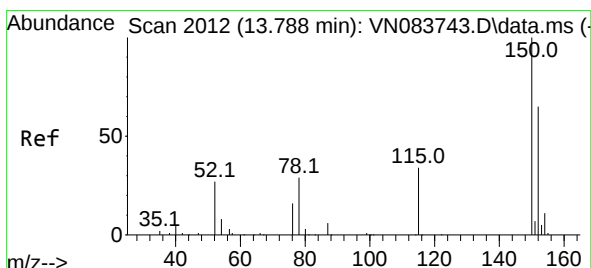
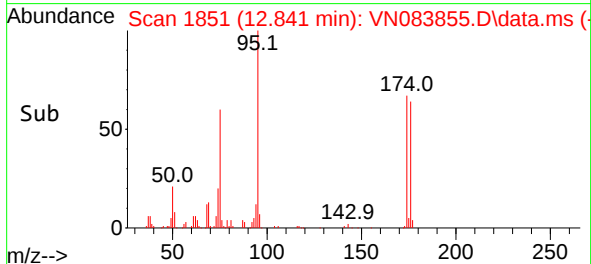
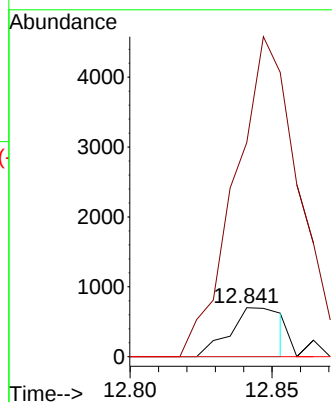
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	897
Ion Ratio	Lower	Upper	
173	100		
175	608.8	24.1	72.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

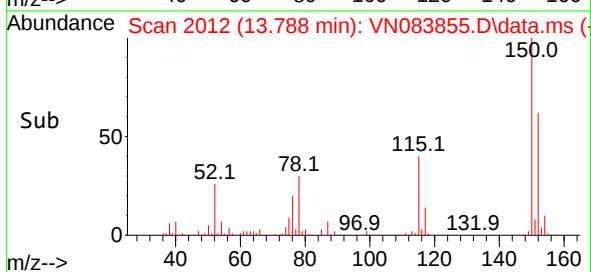
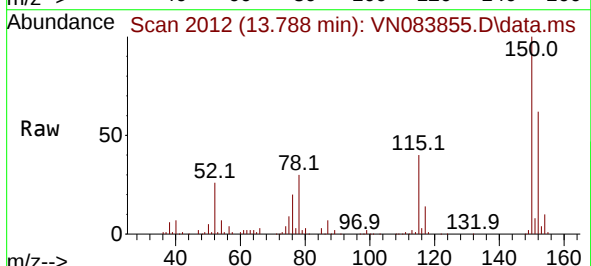
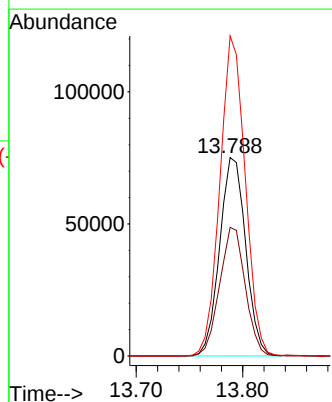
RT: 13.788 min Scan# 2012

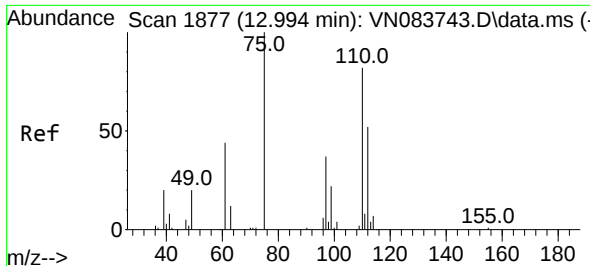
Delta R.T. 0.000 min

Lab File: VN083855.D

Acq: 13 Sep 2024 05:49

Tgt Ion:	152	Resp:	127555
Ion Ratio	Lower	Upper	
152	100		
115	63.9	32.2	96.6
150	156.8	0.0	348.6

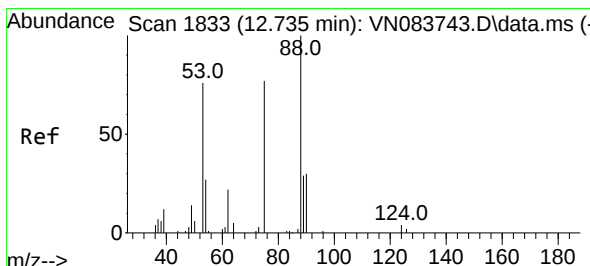
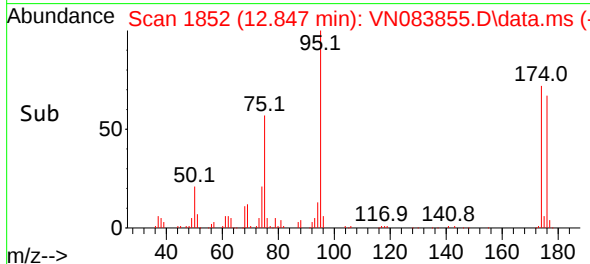
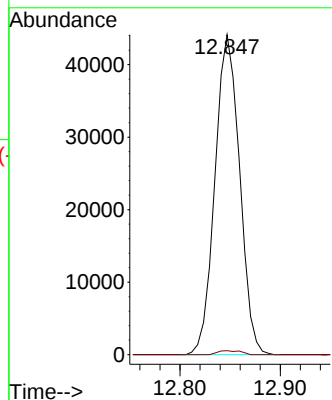
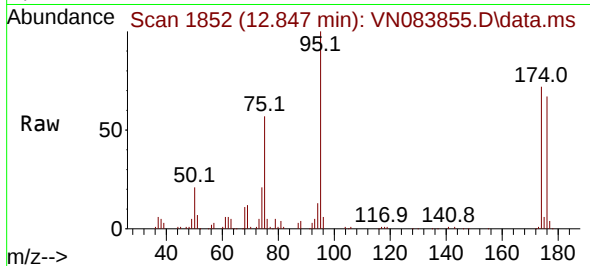




#76
1,2,3-Trichloropropane
Concen: 29.309 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083855.D
Acq: 13 Sep 2024 05:49

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 75436
Ion Ratio Lower Upper
75 100
77 1.2 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.763 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083855.D
Acq: 13 Sep 2024 05:49

Tgt Ion: 75 Resp: 75436
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

