

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092524\
 Data File : VN084165.D
 Acq On : 25 Sep 2024 17:23
 Operator : JC\MD
 Sample : P4116-08DL 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 26 01:36:07 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	8.230	168	161998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	290894	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	253037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	109699	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	125416	51.343	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.680%
35) Dibromofluoromethane	8.165	113	94984	51.005	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.000%
50) Toluene-d8	10.565	98	354514	55.066	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	110.140%
62) 4-Bromofluorobenzene	12.847	95	125706	47.327	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.660%

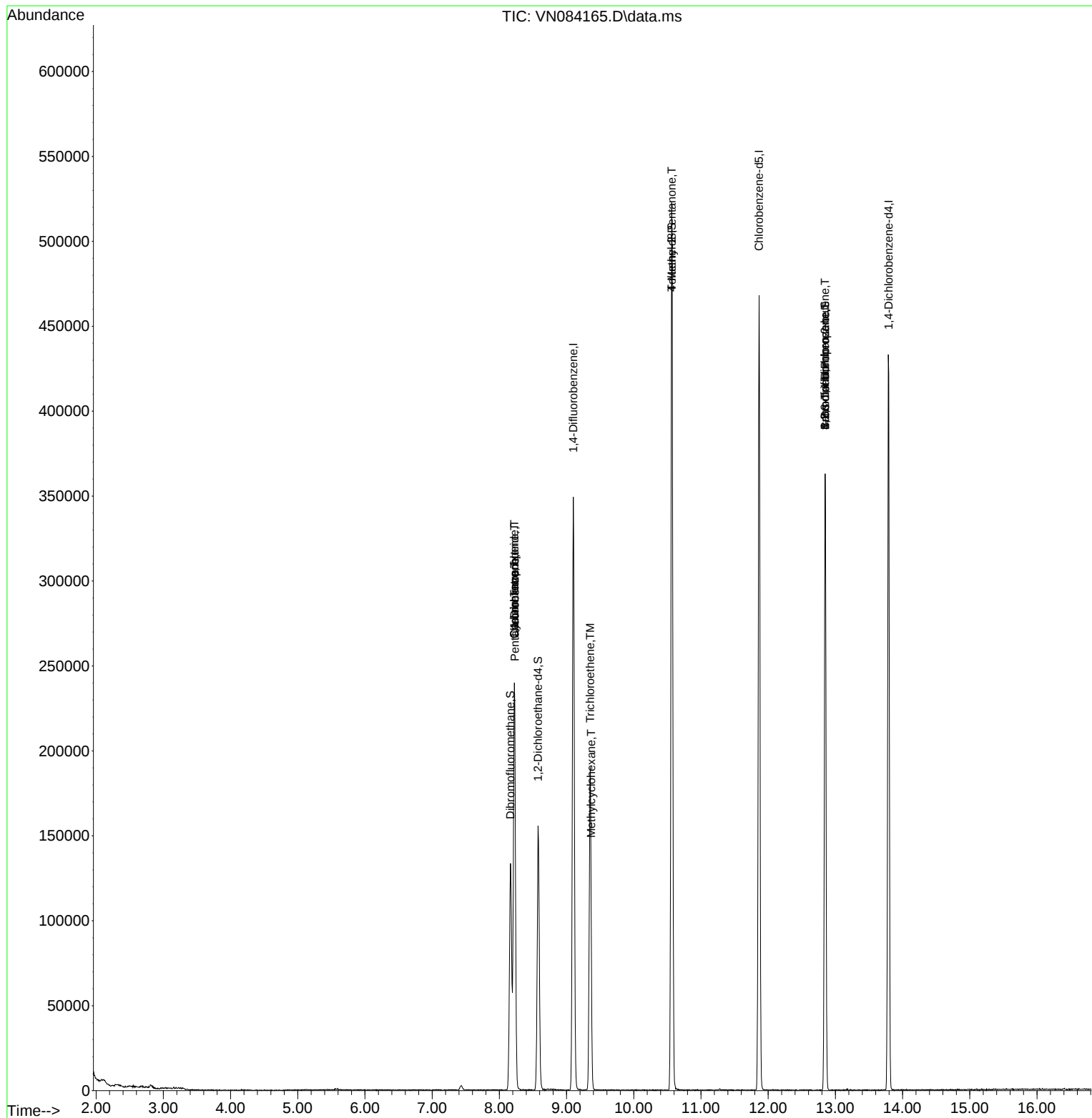
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.371	50	62	Below Cal	#	41
31) Cyclohexane	8.224	56	4276	1.211	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	15034	5.364	ug/l #	50
38) Carbon Tetrachloride	8.224	117	18430	5.796	ug/l #	16
39) Methylcyclohexane	9.365	83	840	0.263	ug/l #	1
44) Trichloroethene	9.353	130	66356	33.964	ug/l	95
51) 4-Methyl-2-Pentanone	10.565	43	1479	0.589	ug/l #	1
71) Bromoform	12.847	173	722	0.550	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	67493	30.491	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67493	79.859	ug/l #	9

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

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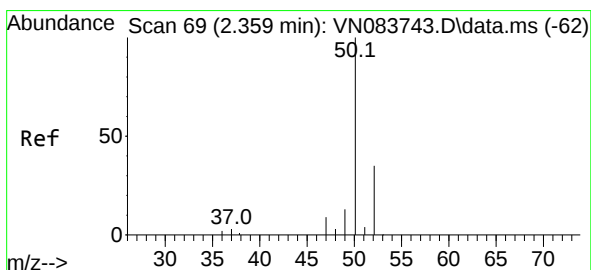
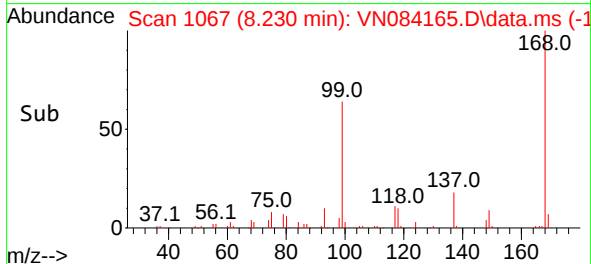
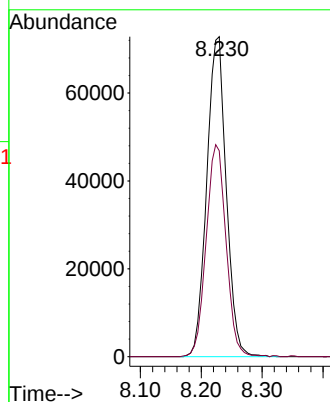
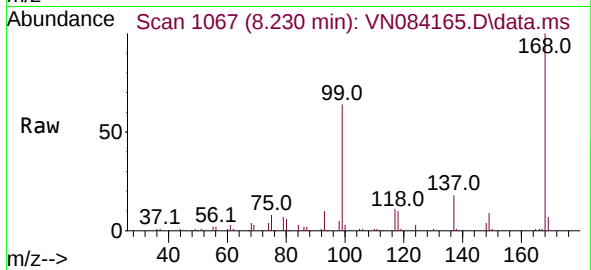




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084165.D
Acq: 25 Sep 2024 17:23

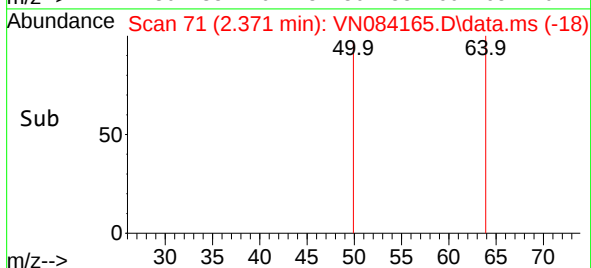
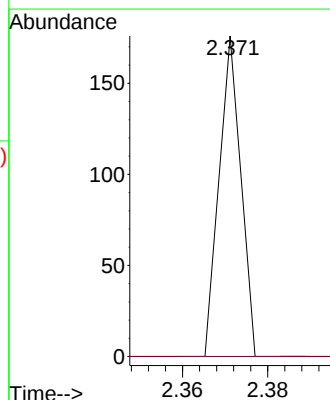
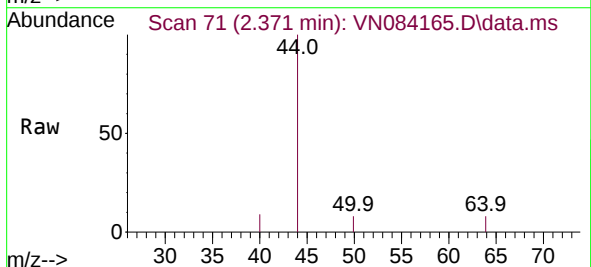
Instrument :
MSVOA_N
ClientSampleId :

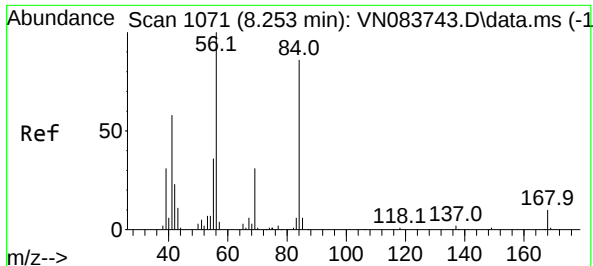
Tgt Ion:168 Resp: 161998
Ion Ratio Lower Upper
168 100
99 64.3 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN084165.D
Acq: 25 Sep 2024 17:23

Tgt Ion: 50 Resp: 62
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#





#31

Cyclohexane

Concen: 1.211 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

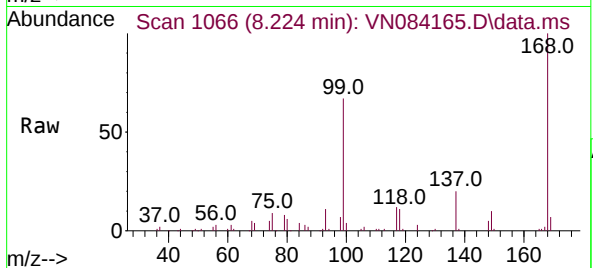
Lab File: VN084165.D

Acq: 25 Sep 2024 17:23

Instrument :

MSVOA_N

ClientSampleId :



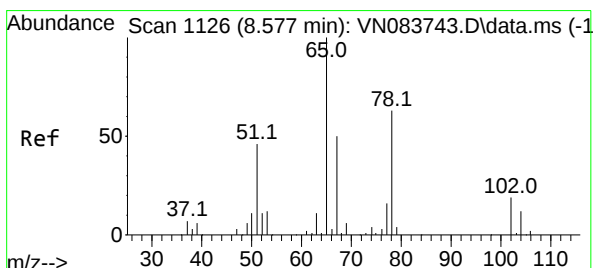
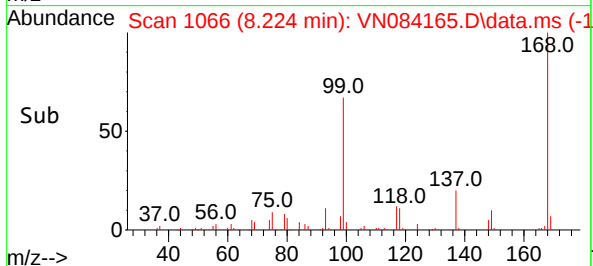
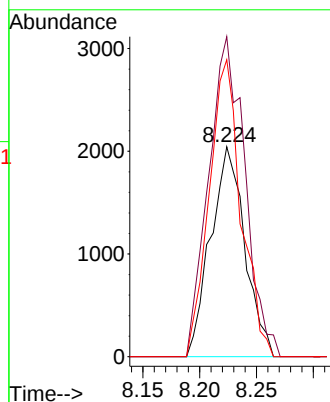
Tgt Ion: 56 Resp: 4276

Ion Ratio Lower Upper

56 100

69 152.4 26.9 40.3#

84 141.5 69.2 103.8#



#33

1,2-Dichloroethane-d4

Concen: 51.343 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN084165.D

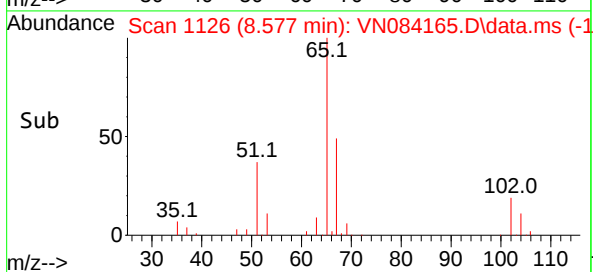
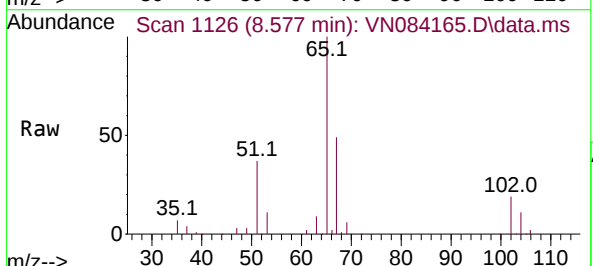
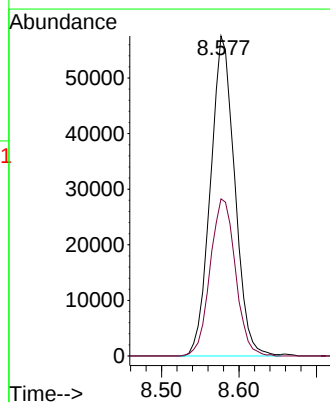
Acq: 25 Sep 2024 17:23

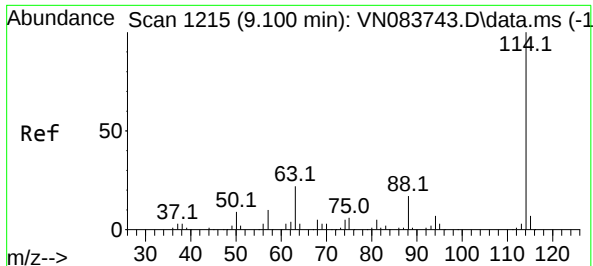
Tgt Ion: 65 Resp: 125416

Ion Ratio Lower Upper

65 100

67 51.2 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084165.D

Acq: 25 Sep 2024 17:23

Instrument :

MSVOA_N

ClientSampleId :

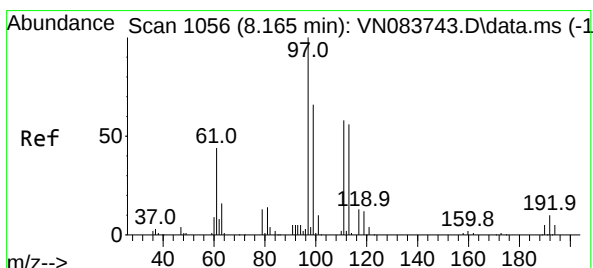
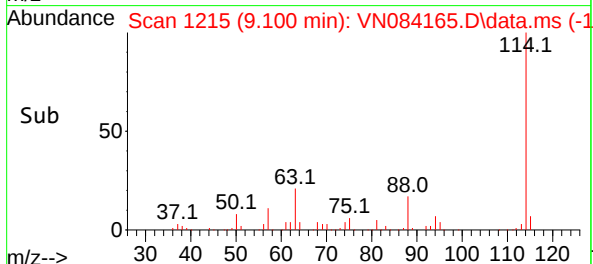
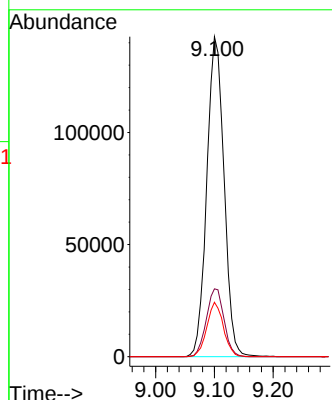
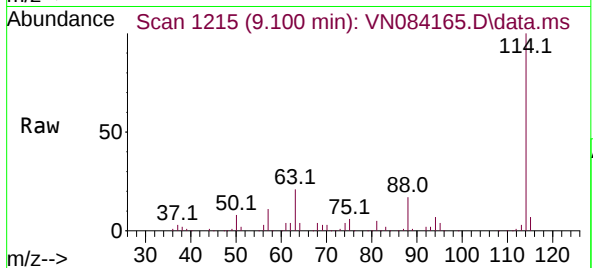
Tgt Ion:114 Resp: 290894

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.4

88 17.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.005 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084165.D

Acq: 25 Sep 2024 17:23

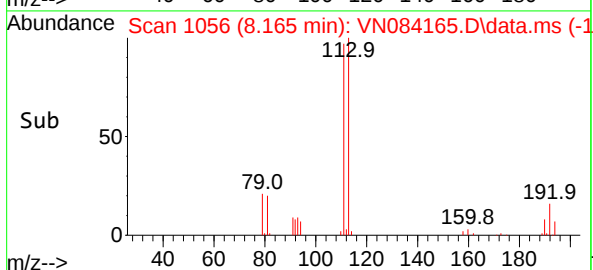
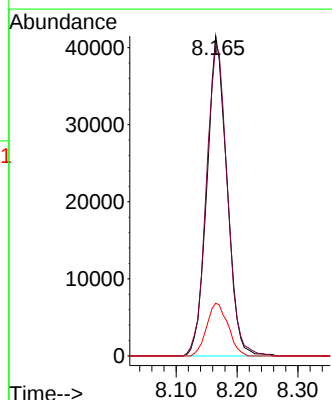
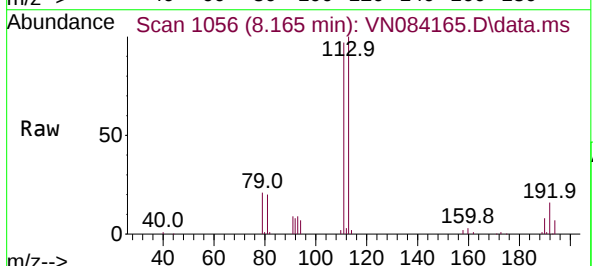
Tgt Ion:113 Resp: 94984

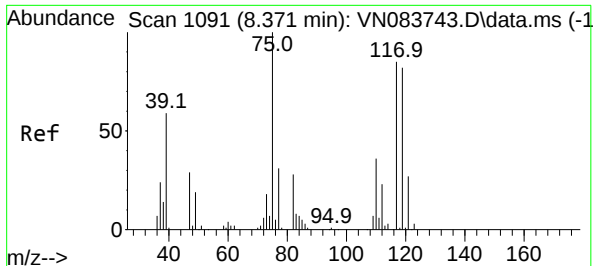
Ion Ratio Lower Upper

113 100

111 101.8 82.6 124.0

192 17.5 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.364 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084165.D

Acq: 25 Sep 2024 17:23

Instrument :

MSVOA_N

ClientSampleId :

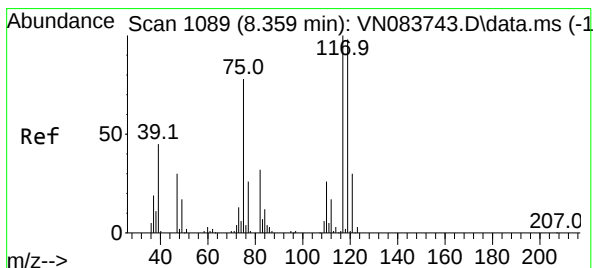
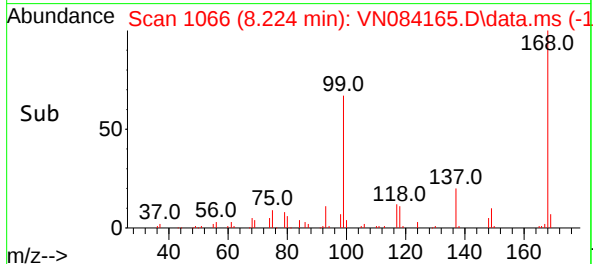
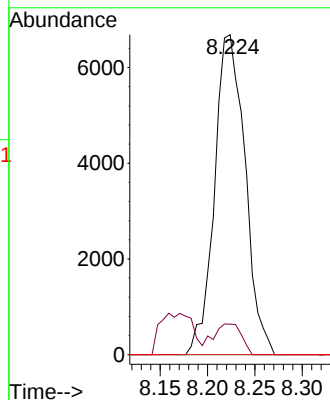
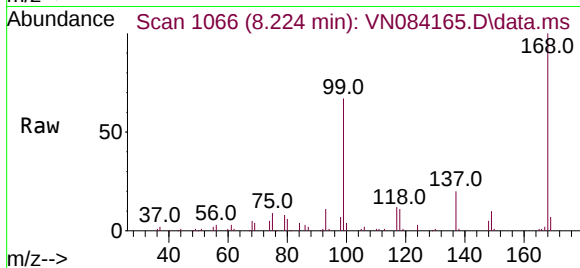
Tgt Ion: 75 Resp: 15034

Ion Ratio Lower Upper

75 100

110 8.9 16.7 50.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.796 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084165.D

Acq: 25 Sep 2024 17:23

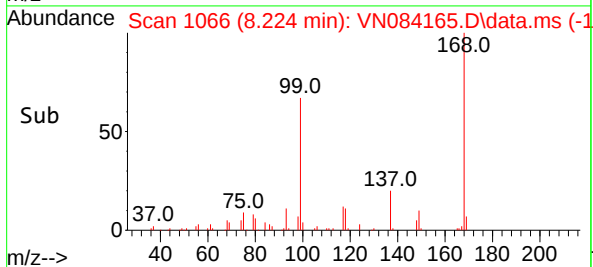
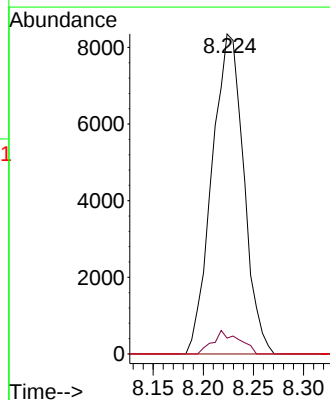
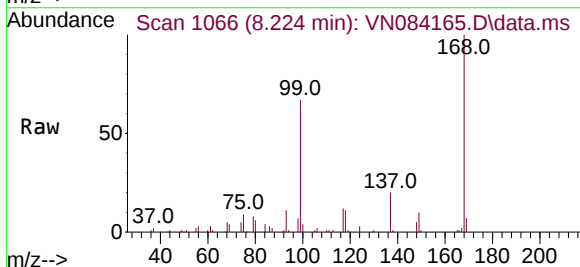
Tgt Ion: 117 Resp: 18430

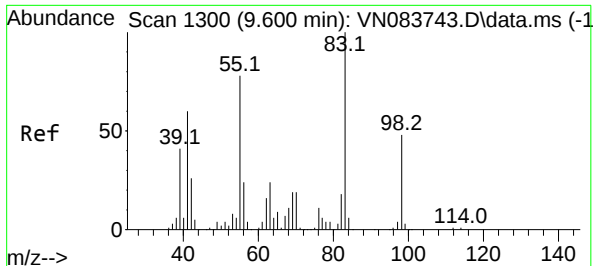
Ion Ratio Lower Upper

117 100

119 5.0 76.1 114.1#

121 0.0 24.1 36.1#





#39

Methylcyclohexane

Concen: 0.263 ug/l

RT: 9.365 min Scan# 11

Delta R.T. -0.235 min

Lab File: VN084165.D

Acq: 25 Sep 2024 17:23

Instrument :

MSVOA_N

ClientSampleId :

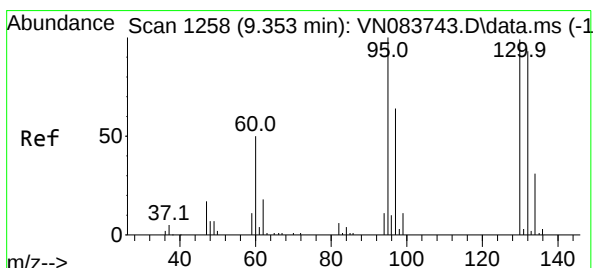
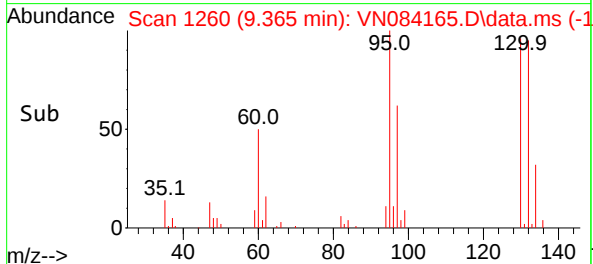
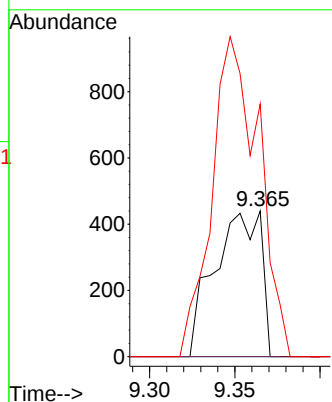
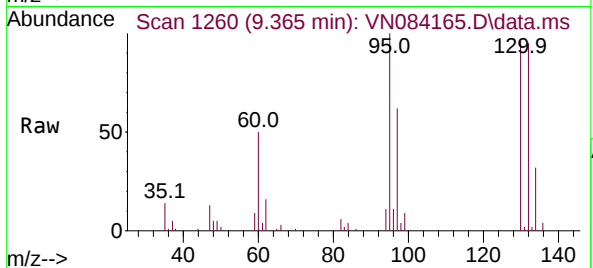
Tgt Ion: 83 Resp: 840

Ion Ratio Lower Upper

83 100

55 0.0 62.2 93.4#

98 173.4 37.6 56.4#



#44

Trichloroethene

Concen: 33.964 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VN084165.D

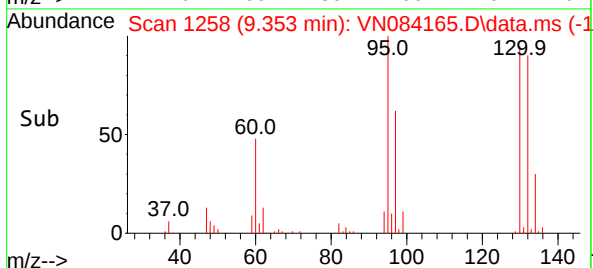
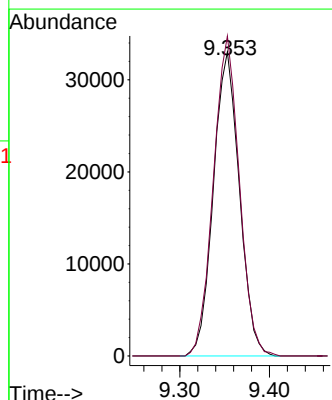
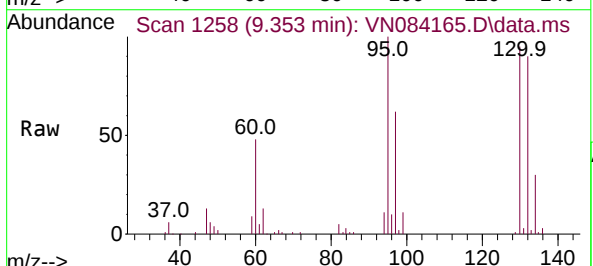
Acq: 25 Sep 2024 17:23

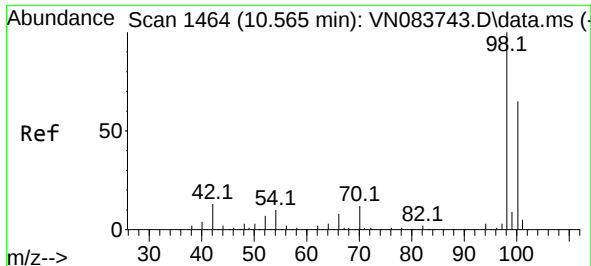
Tgt Ion:130 Resp: 66356

Ion Ratio Lower Upper

130 100

95 105.2 0.0 200.4

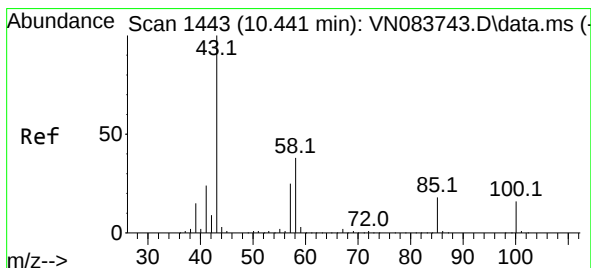
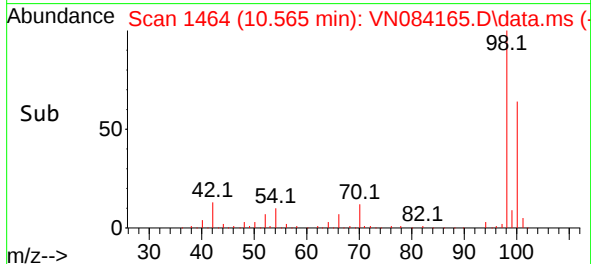
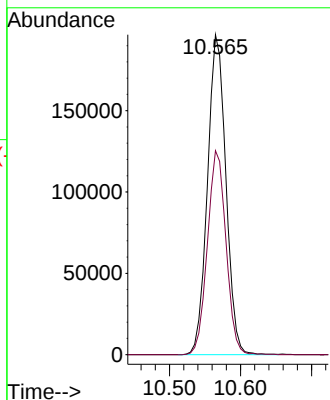
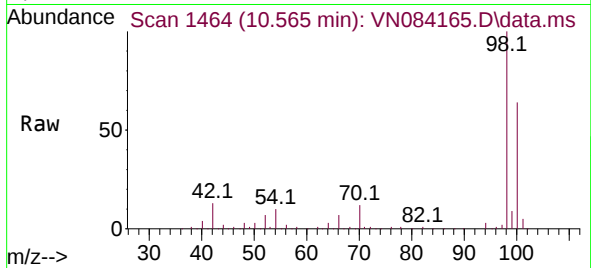




#50
Toluene-d8
Concen: 55.066 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084165.D
Acq: 25 Sep 2024 17:23

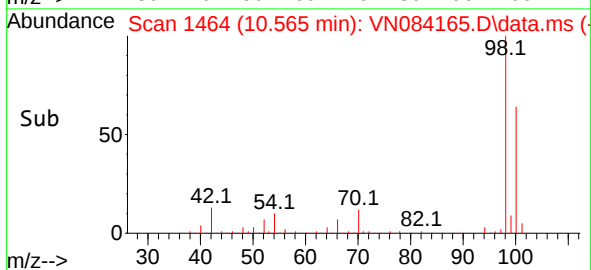
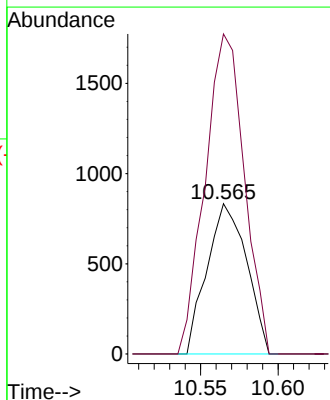
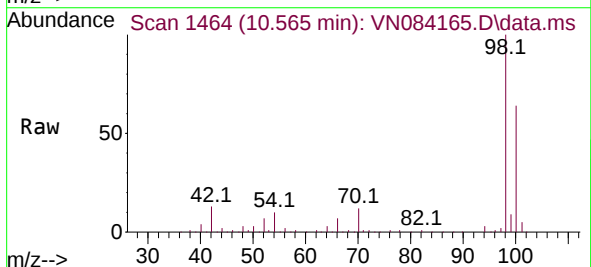
Instrument :
MSVOA_N
ClientSampleId :

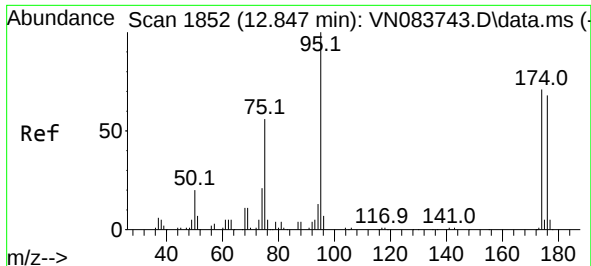
Tgt Ion: 98 Resp: 354514
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.589 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.124 min
Lab File: VN084165.D
Acq: 25 Sep 2024 17:23

Tgt Ion: 43 Resp: 1479
Ion Ratio Lower Upper
43 100
58 210.9 31.6 47.4#





#62

4-Bromofluorobenzene

Concen: 47.327 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN084165.D

Acq: 25 Sep 2024 17:23

Instrument :

MSVOA_N

ClientSampleId :

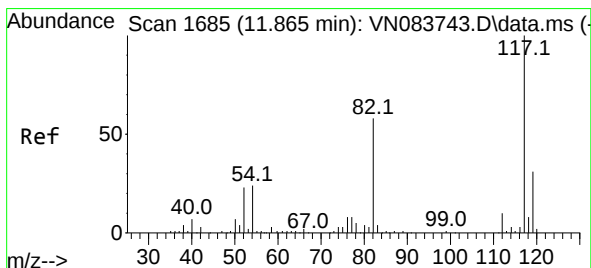
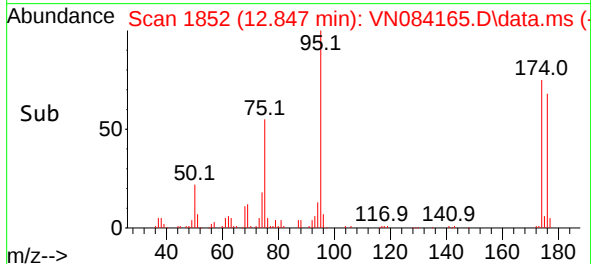
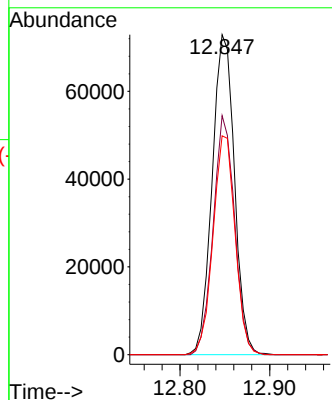
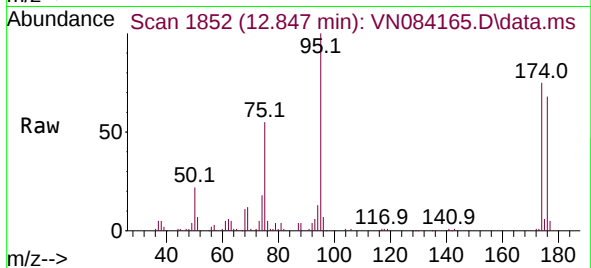
Tgt Ion: 95 Resp: 125706

Ion Ratio Lower Upper

95 100

174 71.7 0.0 139.8

176 67.8 0.0 131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN084165.D

Acq: 25 Sep 2024 17:23

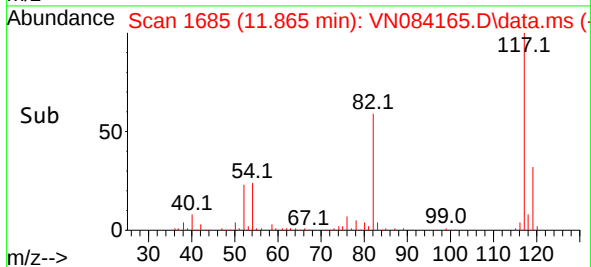
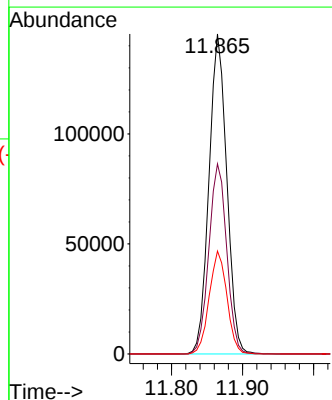
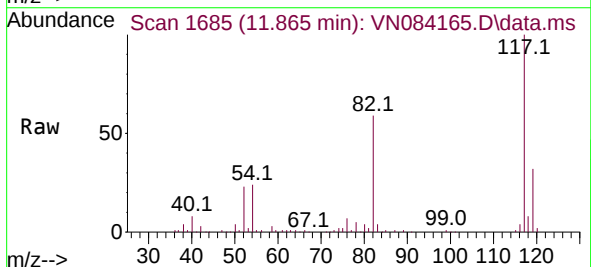
Tgt Ion: 117 Resp: 253037

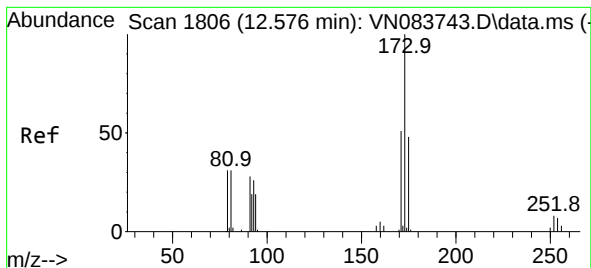
Ion Ratio Lower Upper

117 100

82 59.4 47.4 71.0

119 32.1 26.3 39.5





#71

Bromoform

Concen: 0.550 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN084165.D

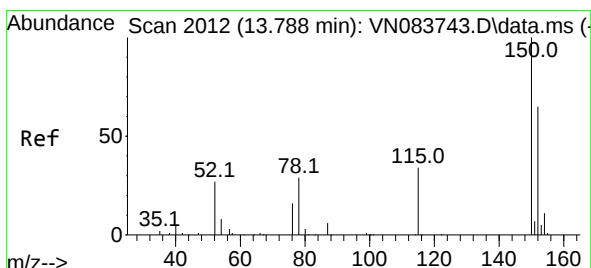
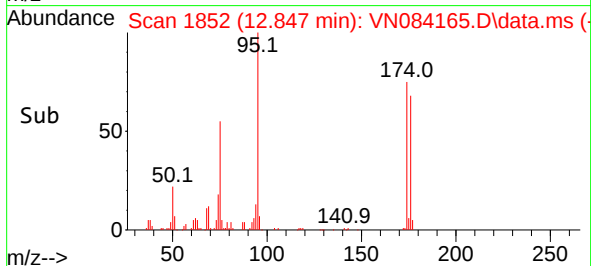
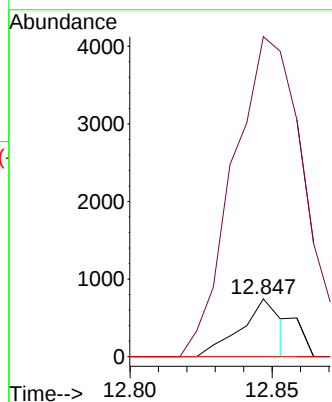
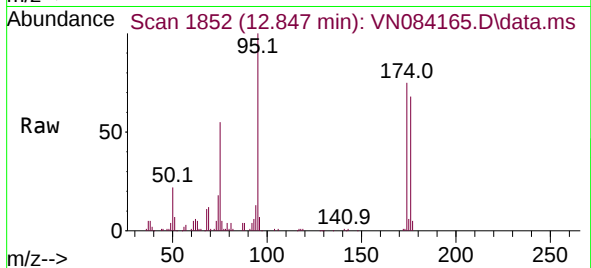
Acq: 25 Sep 2024 17:23

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	173	Resp:	722
Ion Ratio	Lower	Upper	
173	100		
175	722.0	24.1	72.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

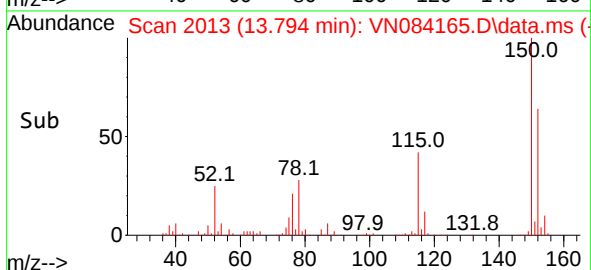
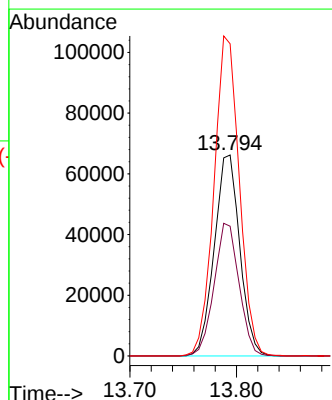
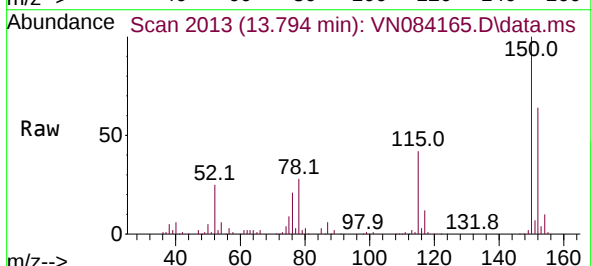
RT: 13.794 min Scan# 2013

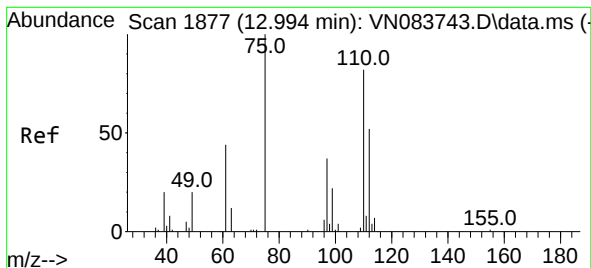
Delta R.T. 0.006 min

Lab File: VN084165.D

Acq: 25 Sep 2024 17:23

Tgt Ion:	152	Resp:	109699
Ion Ratio	Lower	Upper	
152	100		
115	64.7	32.2	96.6
150	158.2	0.0	348.6





#76

1,2,3-Trichloropropane

Concen: 30.491 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN084165.D

Acq: 25 Sep 2024 17:23

Instrument :

MSVOA_N

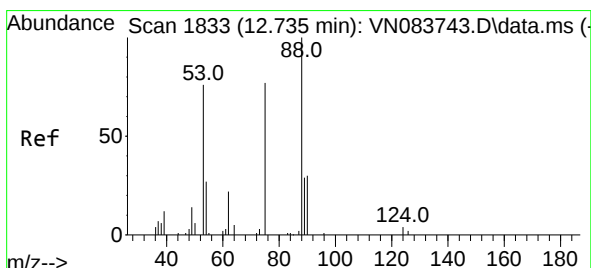
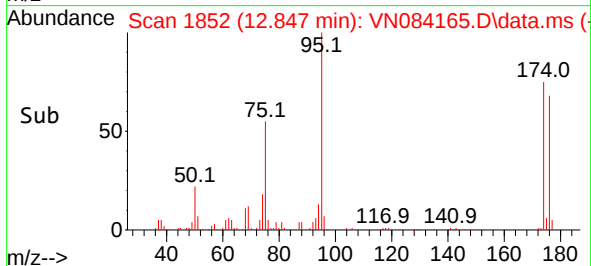
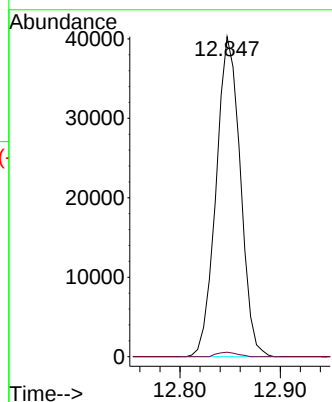
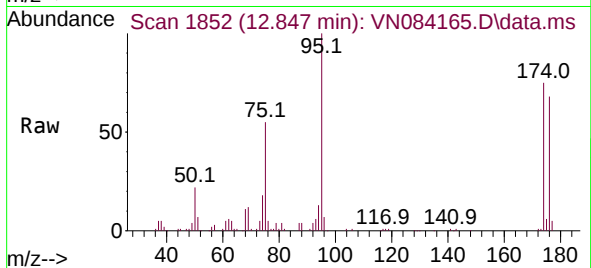
ClientSampleId :

Tgt Ion: 75 Resp: 67493

Ion Ratio Lower Upper

75 100

77 1.2 95.2 285.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.859 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084165.D

Acq: 25 Sep 2024 17:23

Tgt Ion: 75 Resp: 67493

Ion Ratio Lower Upper

75 100

53 0.0 81.2 121.8#

89 0.0 35.7 53.5#

