

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091924\
 Data File : VN084055.D
 Acq On : 19 Sep 2024 23:42
 Operator : JC\MD
 Sample : P4116-28
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 20 01:41:01 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	138220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	237359	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	203560	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	81221	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	113612	54.512	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.020%
35) Dibromofluoromethane	8.171	113	79819	52.528	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.060%
50) Toluene-d8	10.565	98	290202	55.244	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	110.480%
62) 4-Bromofluorobenzene	12.847	95	98859	45.614	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.220%

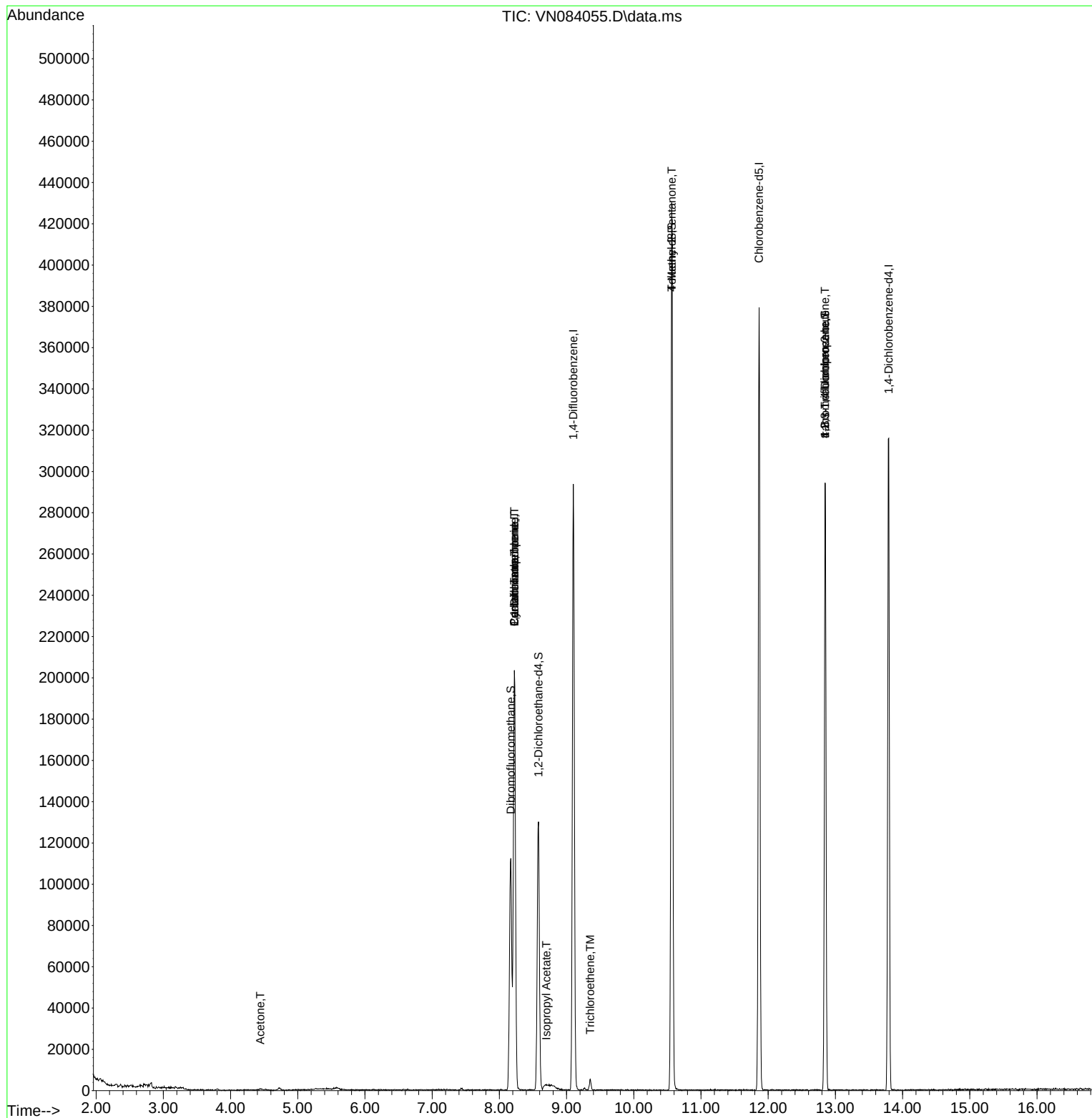
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.365	50	1222	Below Cal		90
16) Acetone	4.442	43	1136	1.360	ug/l #	45
31) Cyclohexane	8.224	56	3996	1.327	ug/l #	43
36) 1,1-Dichloropropene	8.224	75	13860	6.060	ug/l #	51
38) Carbon Tetrachloride	8.224	117	15984	6.160	ug/l #	18
43) Isopropyl Acetate	8.700	43	2926	0.778	ug/l #	57
44) Trichloroethene	9.353	130	1732	1.086	ug/l	81
51) 4-Methyl-2-Pentanone	10.565	43	1689	0.825	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	57132	34.860	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	57132	91.302	ug/l #	9

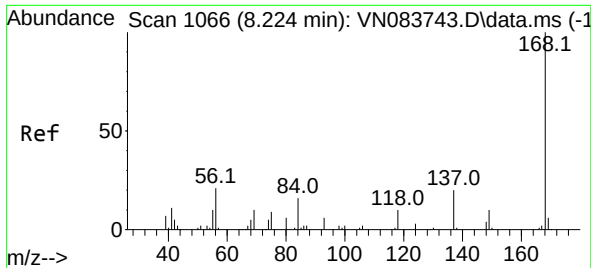
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 20 01:41:01 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

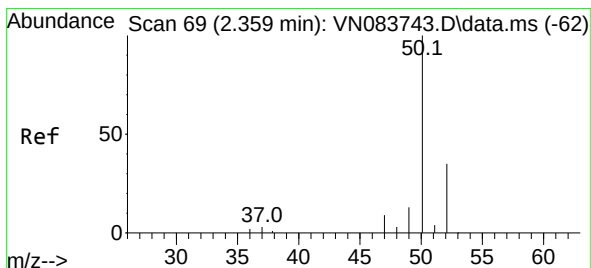
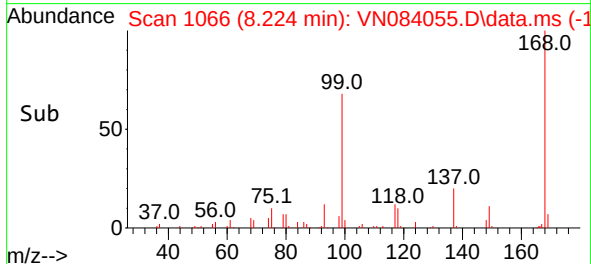
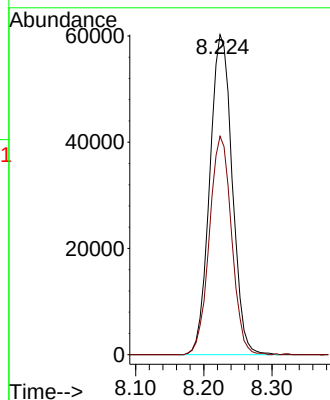
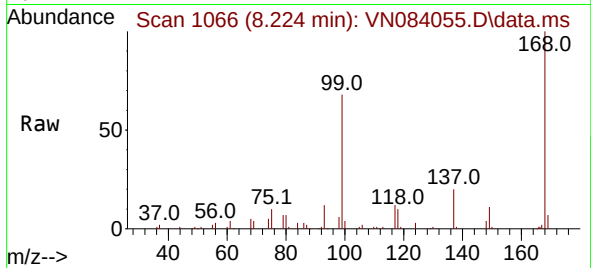




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084055.D
Acq: 19 Sep 2024 23:42

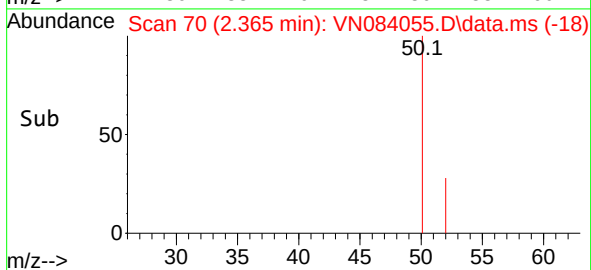
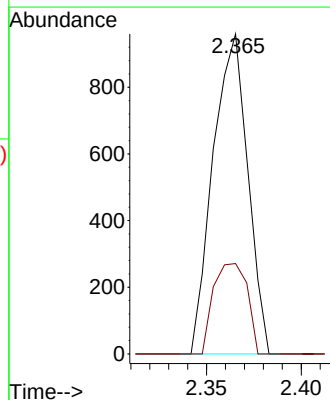
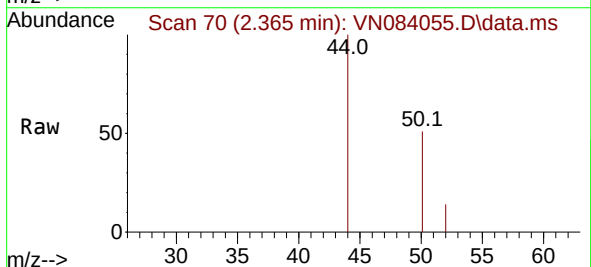
Instrument :
MSVOA_N
ClientSampleId :

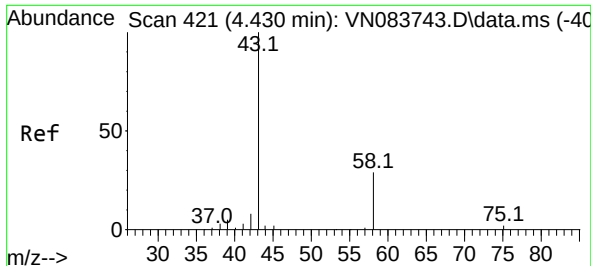
Tgt Ion:168 Resp: 138220
Ion Ratio Lower Upper
168 100
99 68.3 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084055.D
Acq: 19 Sep 2024 23:42

Tgt Ion: 50 Resp: 1222
Ion Ratio Lower Upper
50 100
52 28.2 27.2 40.8





#16

Acetone

Concen: 1.360 ug/l

RT: 4.442 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN084055.D

Acq: 19 Sep 2024 23:42

Instrument :

MSVOA_N

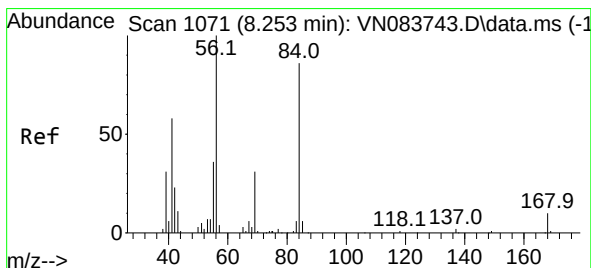
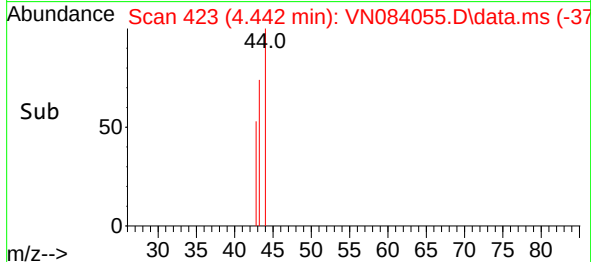
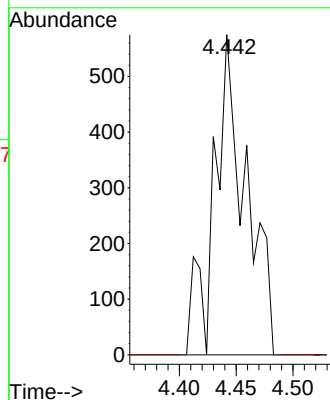
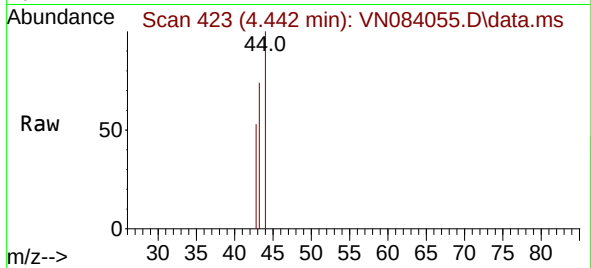
ClientSampleId :

Tgt Ion: 43 Resp: 1136

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#



#31

Cyclohexane

Concen: 1.327 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN084055.D

Acq: 19 Sep 2024 23:42

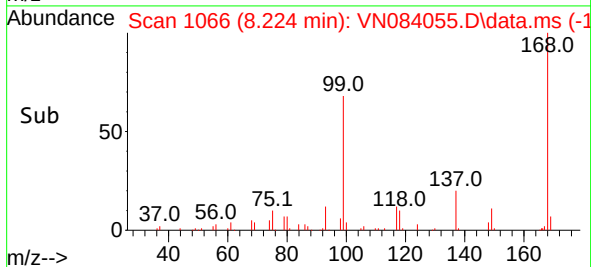
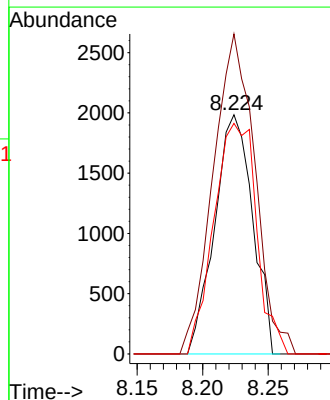
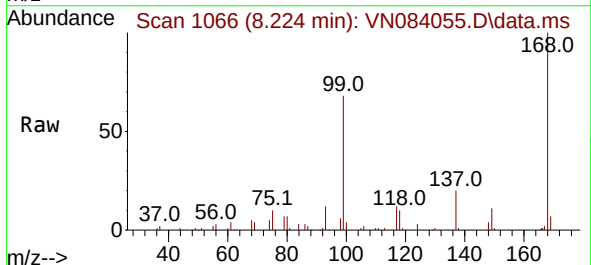
Tgt Ion: 56 Resp: 3996

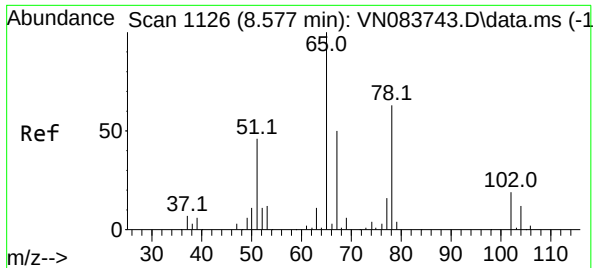
Ion Ratio Lower Upper

56 100

69 133.8 26.9 40.3#

84 96.4 69.2 103.8





#33

1,2-Dichloroethane-d4

Concen: 54.512 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN084055.D

Acq: 19 Sep 2024 23:42

Instrument :

MSVOA_N

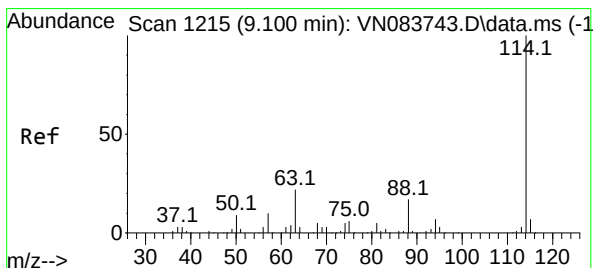
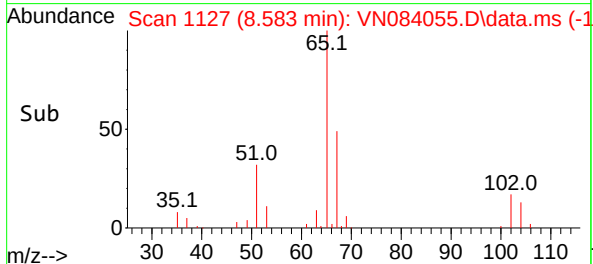
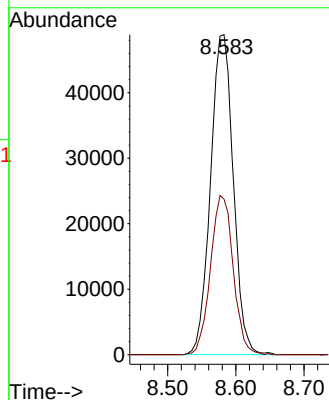
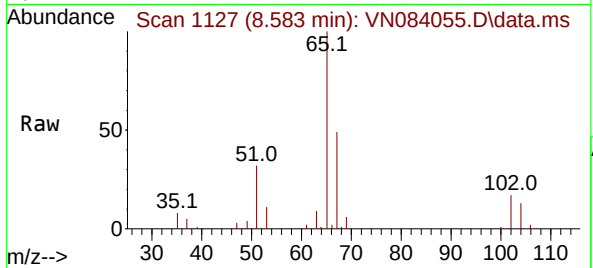
ClientSampleId :

Tgt Ion: 65 Resp: 113612

Ion Ratio Lower Upper

65 100

67 49.6 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084055.D

Acq: 19 Sep 2024 23:42

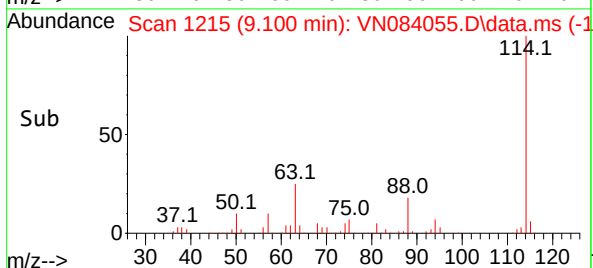
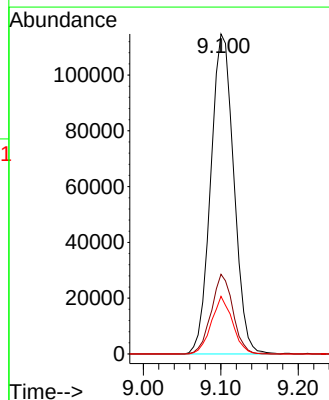
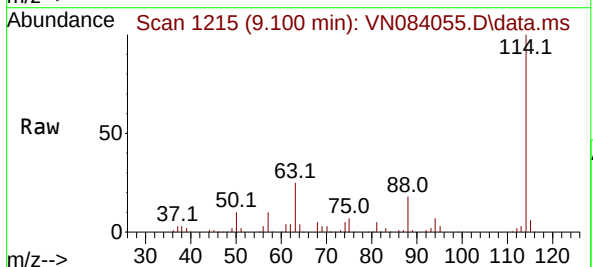
Tgt Ion: 114 Resp: 237359

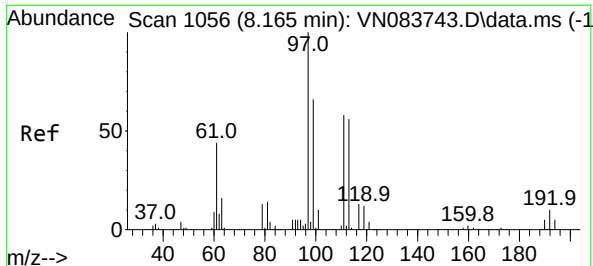
Ion Ratio Lower Upper

114 100

63 24.9 0.0 43.4

88 18.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.528 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN084055.D

Acq: 19 Sep 2024 23:42

Instrument :

MSVOA_N

ClientSampleId :

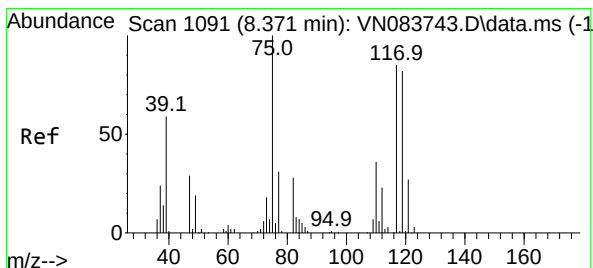
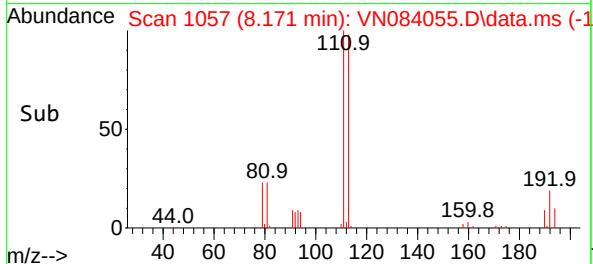
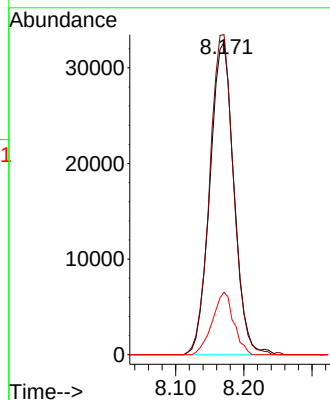
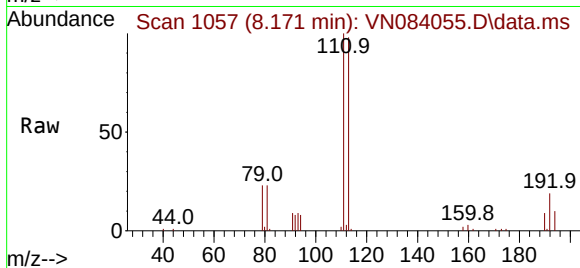
Tgt Ion:113 Resp: 79819

Ion Ratio Lower Upper

113 100

111 102.2 82.6 124.0

192 17.9 14.3 21.5



#36

1,1-Dichloropropene

Concen: 6.060 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084055.D

Acq: 19 Sep 2024 23:42

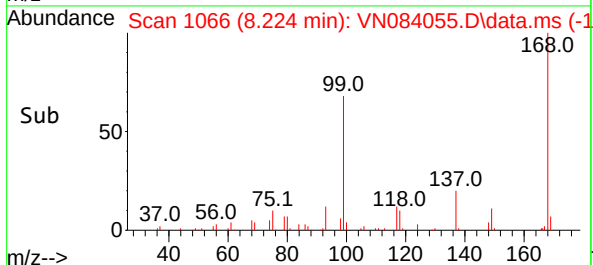
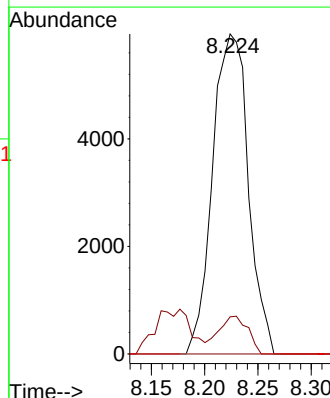
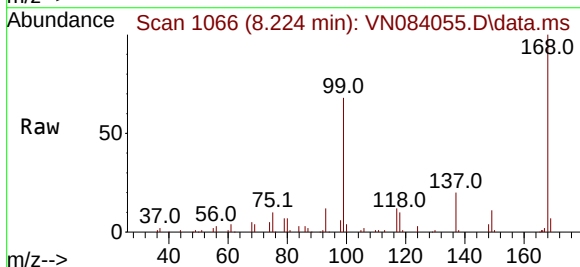
Tgt Ion: 75 Resp: 13860

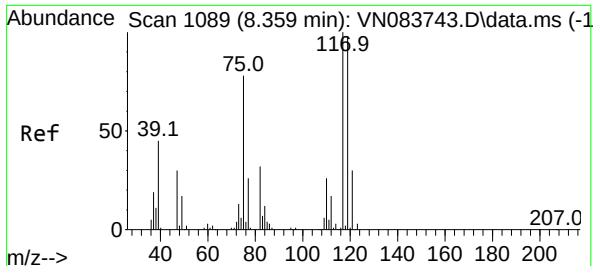
Ion Ratio Lower Upper

75 100

110 9.7 16.7 50.1#

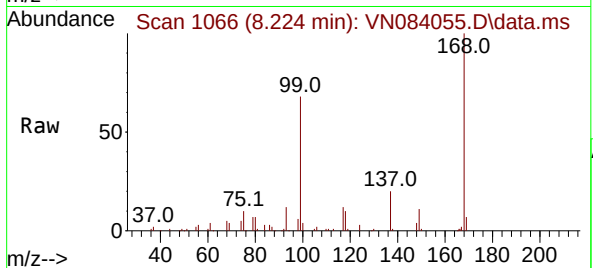
77 0.0 25.2 37.8#



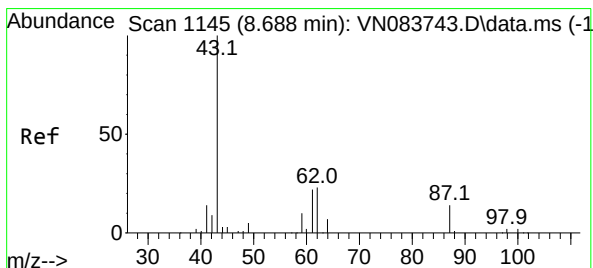
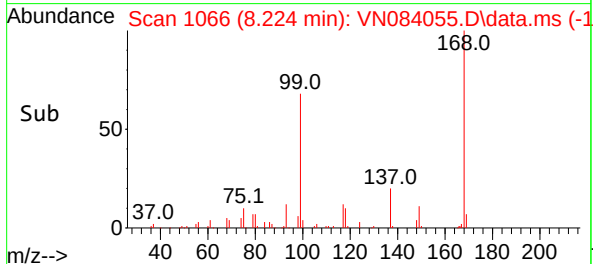
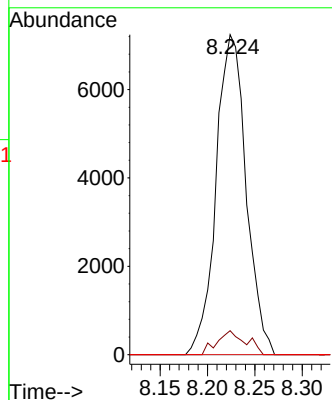


#38
Carbon Tetrachloride
Concen: 6.160 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN084055.D
Acq: 19 Sep 2024 23:42

Instrument :
MSVOA_N
ClientSampleId :

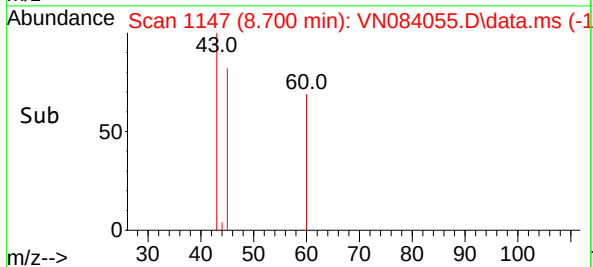
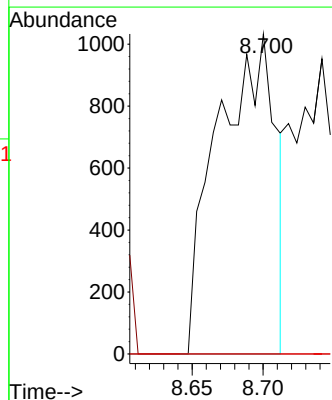
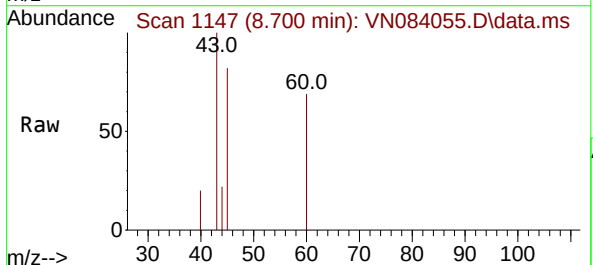


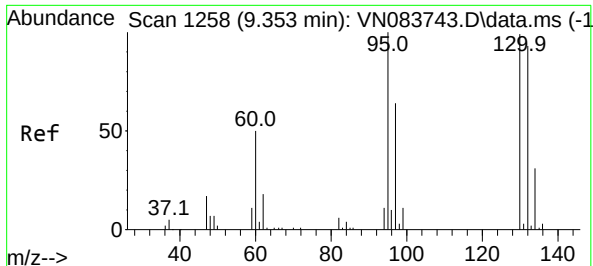
Tgt Ion:117 Resp: 15984
Ion Ratio Lower Upper
117 100
119 7.5 76.1 114.1#
121 0.0 24.1 36.1#



#43
Isopropyl Acetate
Concen: 0.778 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.012 min
Lab File: VN084055.D
Acq: 19 Sep 2024 23:42

Tgt Ion: 43 Resp: 2926
Ion Ratio Lower Upper
43 100
61 0.0 19.4 29.0#
87 0.0 9.8 14.6#

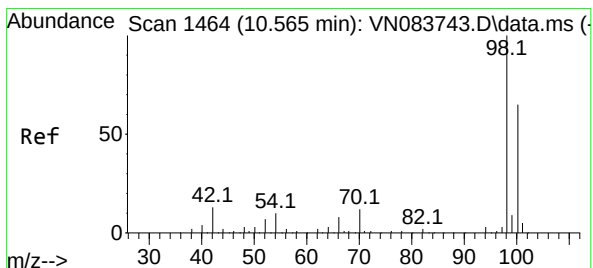
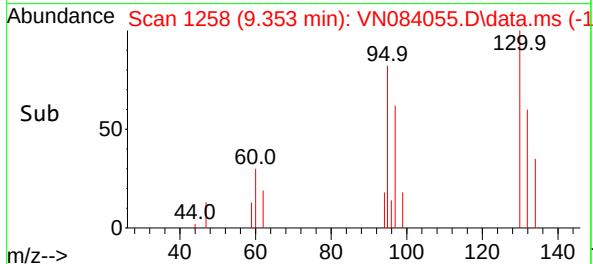
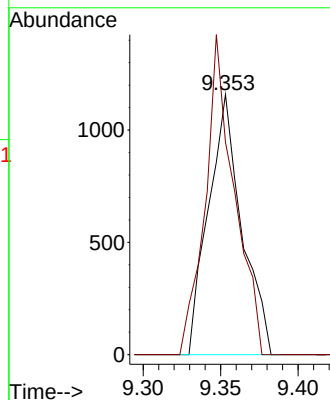
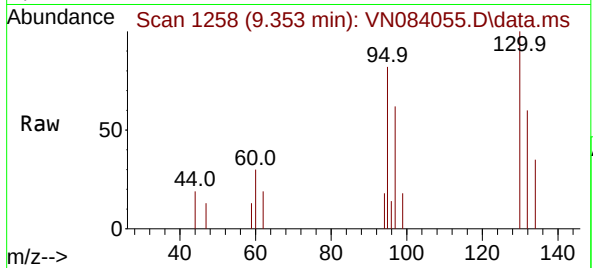




#44
Trichloroethene
Concen: 1.086 ug/l
RT: 9.353 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084055.D
Acq: 19 Sep 2024 23:42

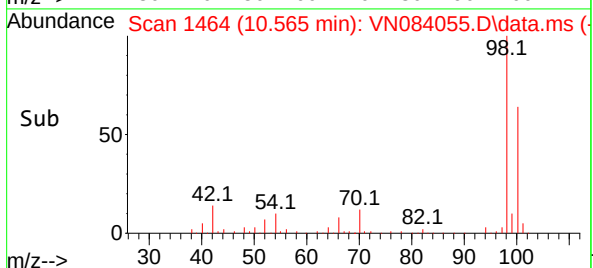
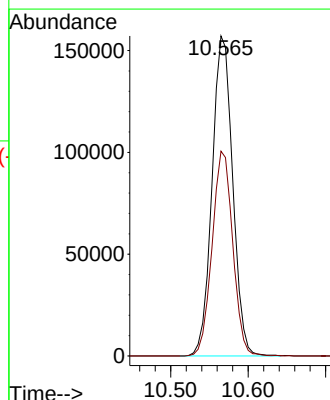
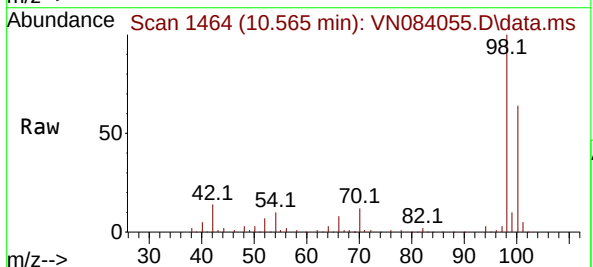
Instrument :
MSVOA_N
ClientSampleId :

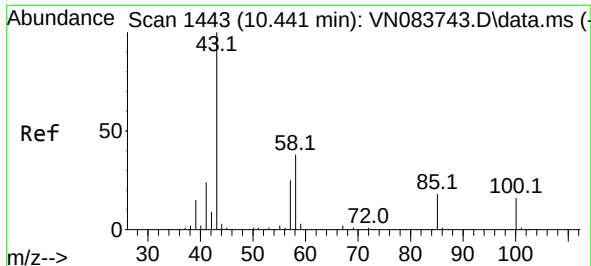
Tgt Ion:130 Resp: 1732
Ion Ratio Lower Upper
130 100
95 81.6 0.0 200.4



#50
Toluene-d8
Concen: 55.244 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084055.D
Acq: 19 Sep 2024 23:42

Tgt Ion: 98 Resp: 290202
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.825 ug/l

RT: 10.565 min Scan# 14

Delta R.T. 0.124 min

Lab File: VN084055.D

Acq: 19 Sep 2024 23:42

Instrument :

MSVOA_N

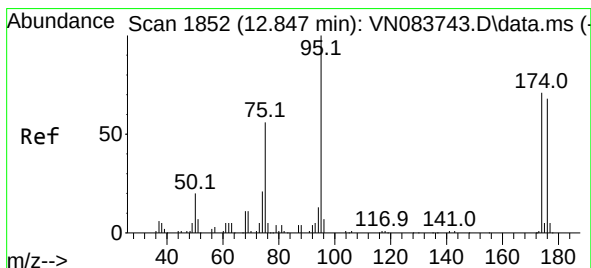
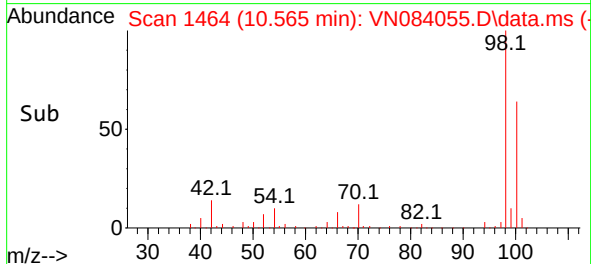
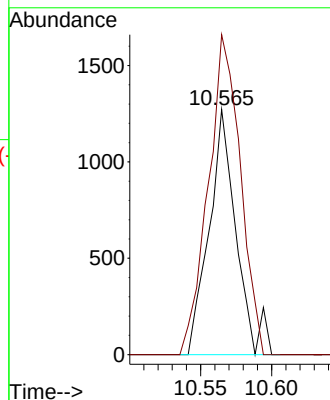
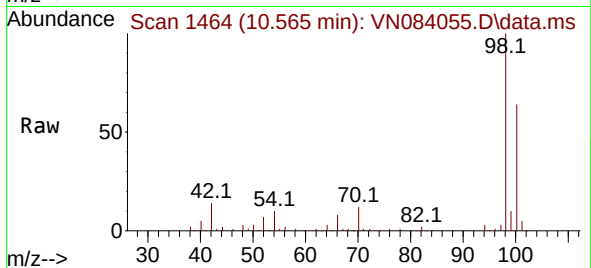
ClientSampleId :

Tgt Ion: 43 Resp: 1689

Ion Ratio Lower Upper

43 100

58 154.5 31.6 47.4#



#62

4-Bromofluorobenzene

Concen: 45.614 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084055.D

Acq: 19 Sep 2024 23:42

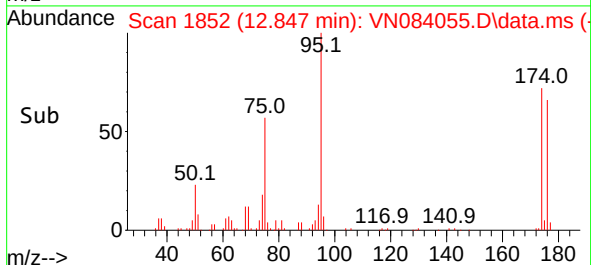
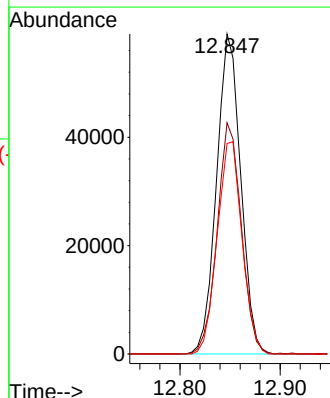
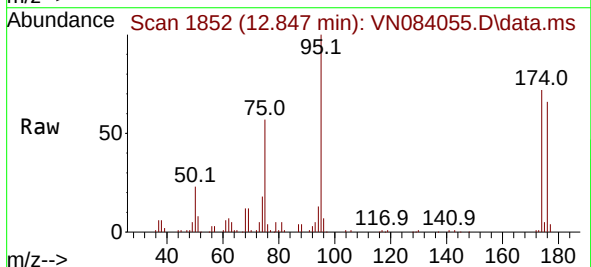
Tgt Ion: 95 Resp: 98859

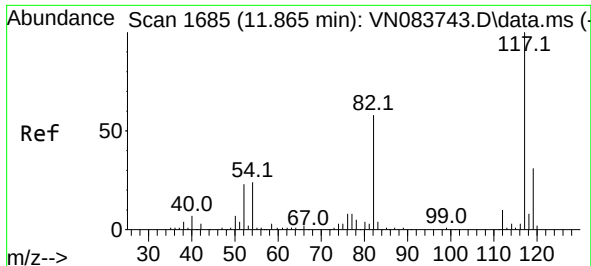
Ion Ratio Lower Upper

95 100

174 72.1 0.0 139.8

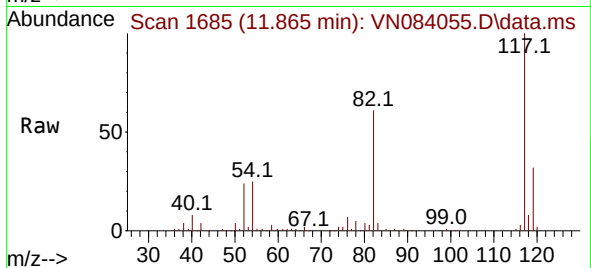
176 68.3 0.0 131.4



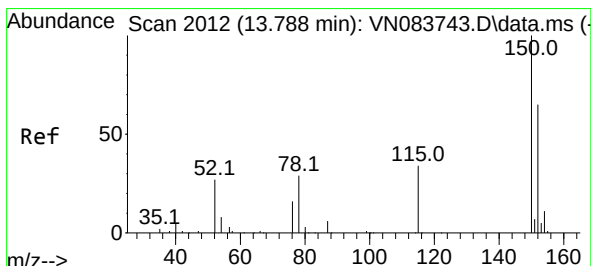
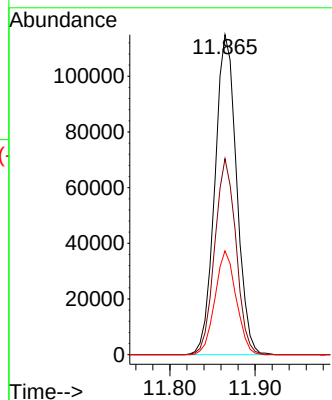
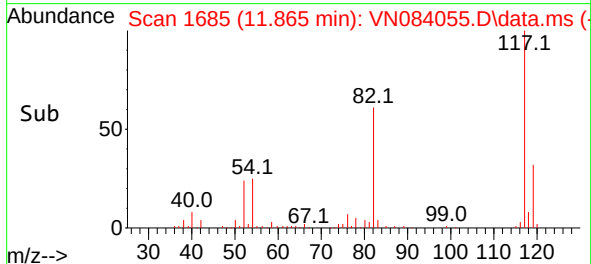


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084055.D
Acq: 19 Sep 2024 23:42

Instrument :
MSVOA_N
ClientSampleId :

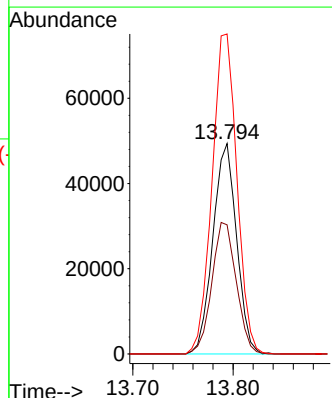
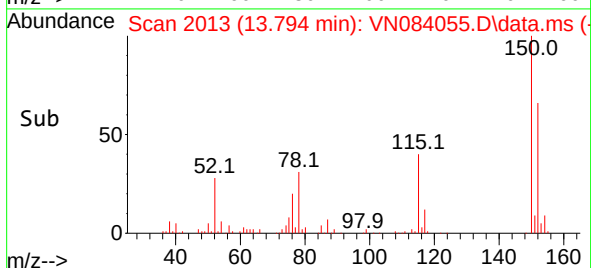
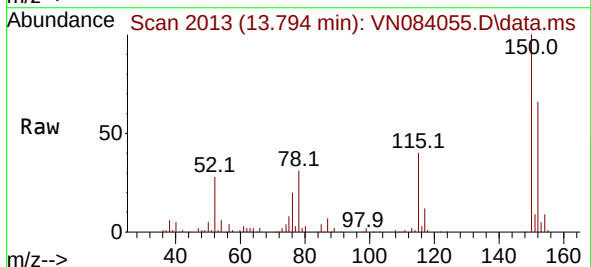


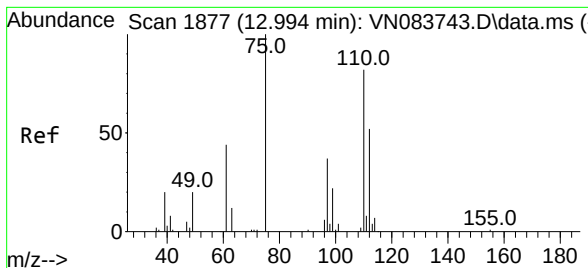
Tgt Ion:117 Resp: 203560
Ion Ratio Lower Upper
117 100
82 61.3 47.4 71.0
119 32.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084055.D
Acq: 19 Sep 2024 23:42

Tgt Ion:152 Resp: 81221
Ion Ratio Lower Upper
152 100
115 64.4 32.2 96.6
150 159.1 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 34.860 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN084055.D

Acq: 19 Sep 2024 23:42

Instrument :

MSVOA_N

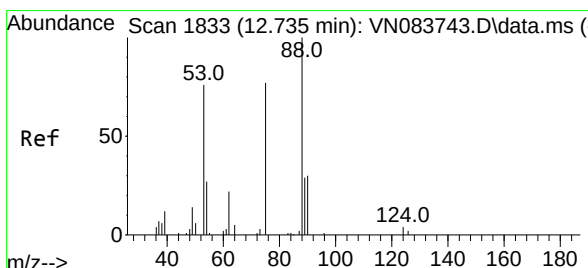
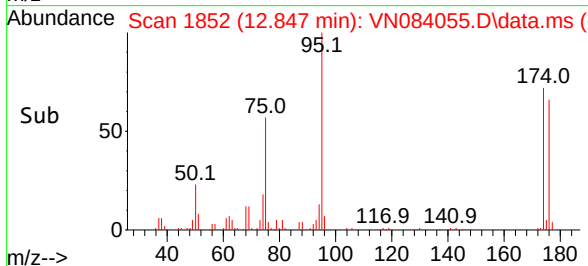
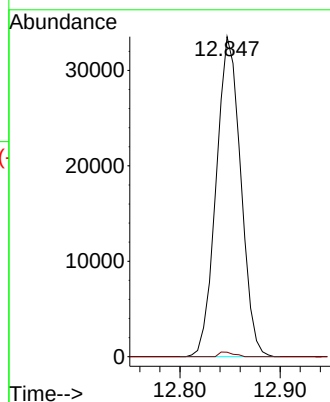
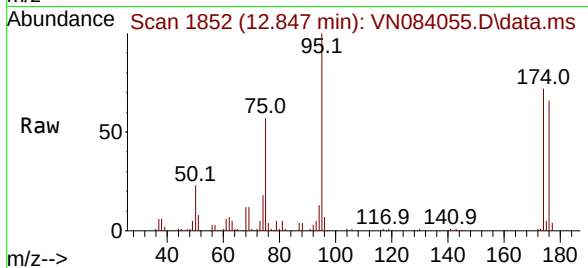
ClientSampleId :

Tgt Ion: 75 Resp: 57132

Ion Ratio Lower Upper

75 100

77 0.9 95.2 285.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.302 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084055.D

Acq: 19 Sep 2024 23:42

Tgt Ion: 75 Resp: 57132

Ion Ratio Lower Upper

75 100

53 0.0 81.2 121.8#

89 0.0 35.7 53.5#

