

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120324\
 Data File : VN085078.D
 Acq On : 03 Dec 2024 15:30
 Operator : JC\MD
 Sample : P5050-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 03 23:51:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

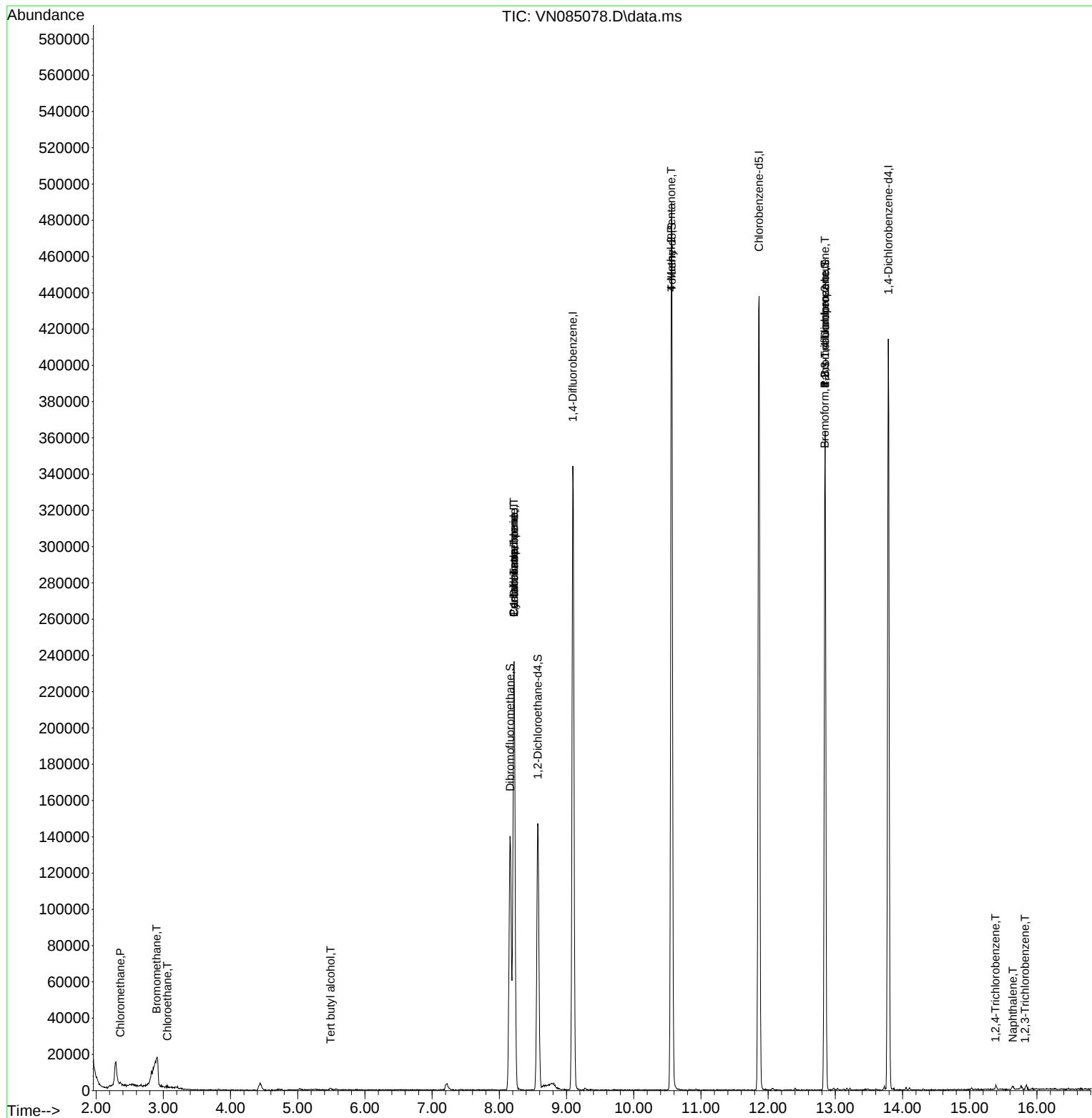
Internal Standards						
1) Pentafluorobenzene	8.218	168	174306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	298682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	124047	49.961	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.920%
35) Dibromofluoromethane	8.159	113	100822	50.055	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.120%
50) Toluene-d8	10.565	98	338904	46.950	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.900%
62) 4-Bromofluorobenzene	12.847	95	126109	46.716	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.440%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	925	0.405	ug/l	90
5) Bromomethane	2.901	94	372	0.323	ug/l	95
6) Chloroethane	3.059	64	304	0.220	ug/l #	44
11) Tert butyl alcohol	5.489	59	523	1.576	ug/l #	75
18) Methyl Acetate	5.024	43	1367	Below Cal	#	58
31) Cyclohexane	8.218	56	3478	1.052	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13566	4.972	ug/l #	50
38) Carbon Tetrachloride	8.218	117	17440	5.538	ug/l #	17
51) 4-Methyl-2-Pentanone	10.559	43	1373	0.583	ug/l #	1
71) Bromoform	12.841	173	549	0.361	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	66737	32.846	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66737	72.509	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.382	180	952	0.437	ug/l	88
95) Naphthalene	15.641	128	2724	0.439	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.823	180	1028	0.495	ug/l #	24

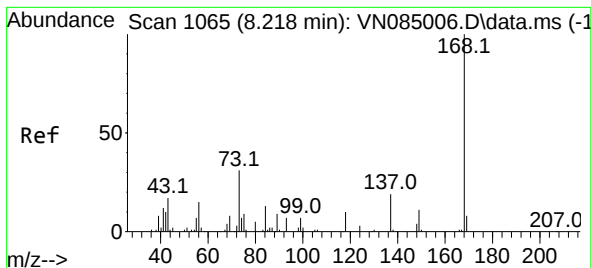
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Nov 23 02:54:10 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN085078.D

Acq: 03 Dec 2024 15:30

Instrument :

MSVOA_N

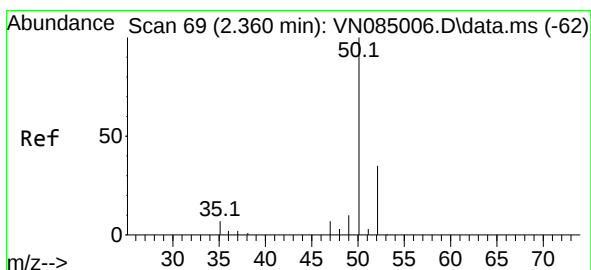
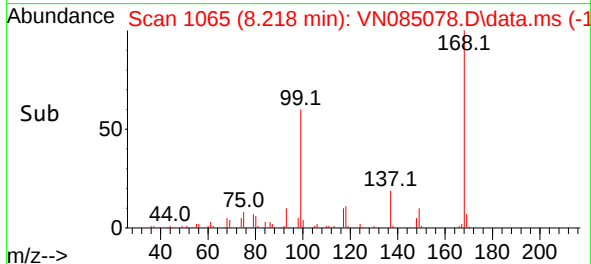
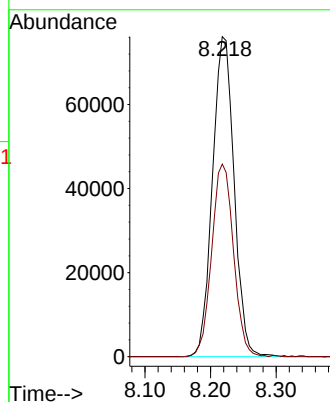
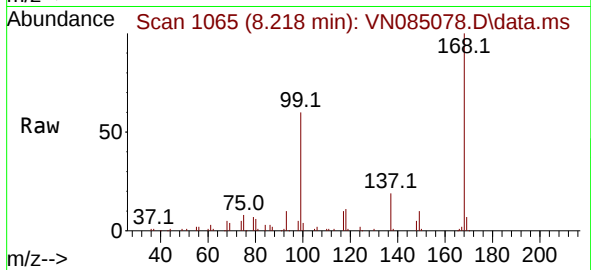
ClientSampleId :

Tgt Ion:168 Resp: 174306

Ion Ratio Lower Upper

168 100

99 60.2 51.2 76.8



#3

Chloromethane

Concen: 0.405 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.000 min

Lab File: VN085078.D

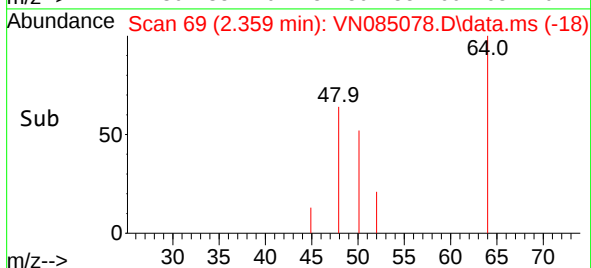
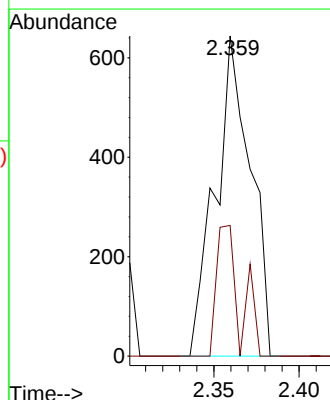
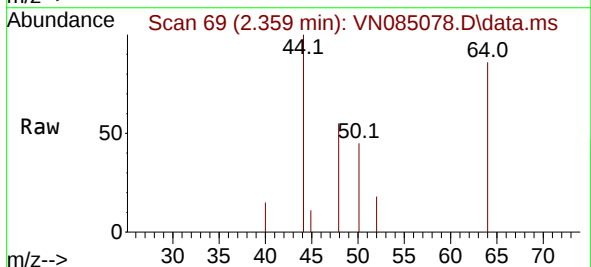
Acq: 03 Dec 2024 15:30

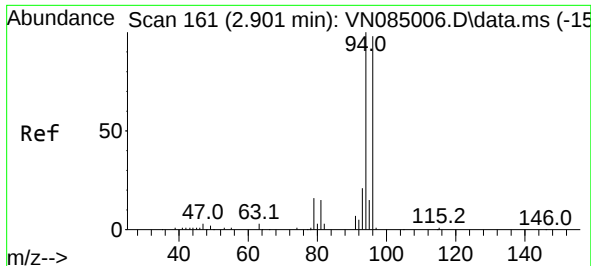
Tgt Ion: 50 Resp: 925

Ion Ratio Lower Upper

50 100

52 40.8 27.8 41.8

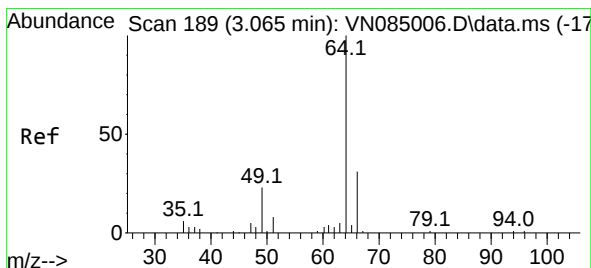
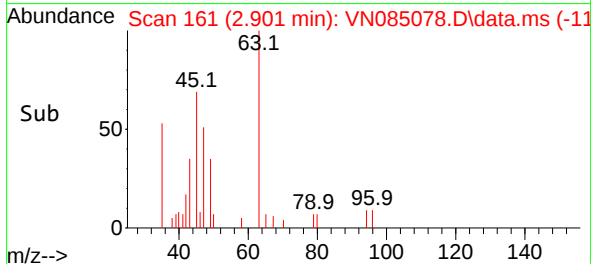
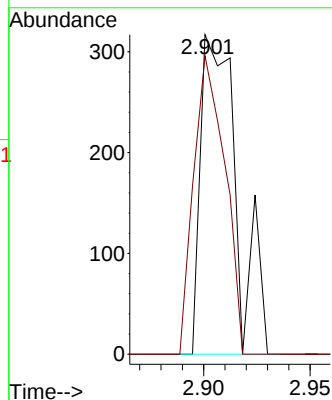
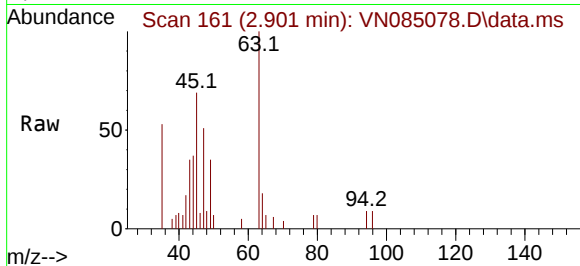




#5
Bromomethane
Concen: 0.323 ug/l
RT: 2.901 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085078.D
Acq: 03 Dec 2024 15:30

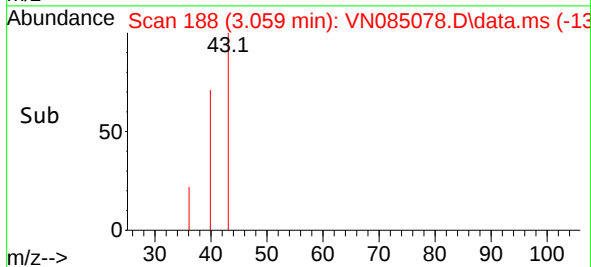
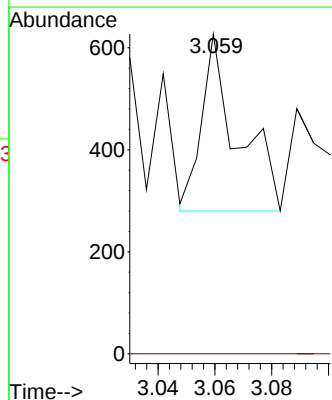
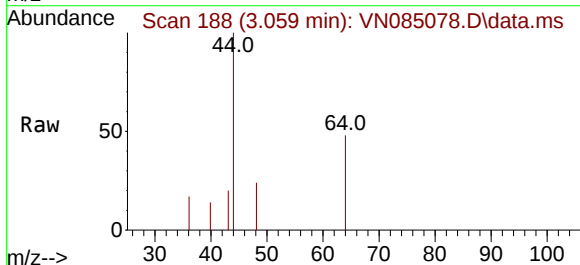
Instrument :
MSVOA_N
ClientSampleId :

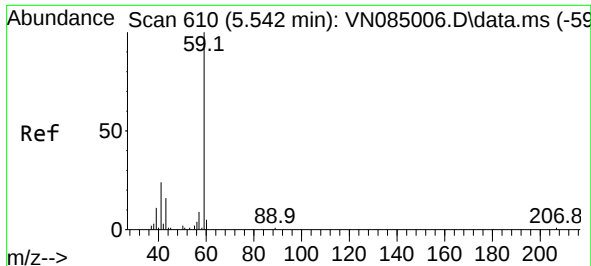
Tgt Ion: 94 Resp: 372
Ion Ratio Lower Upper
94 100
96 93.4 78.7 118.1



#6
Chloroethane
Concen: 0.220 ug/l
RT: 3.059 min Scan# 188
Delta R.T. -0.006 min
Lab File: VN085078.D
Acq: 03 Dec 2024 15:30

Tgt Ion: 64 Resp: 304
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#





#11

Tert butyl alcohol

Concen: 1.576 ug/l

RT: 5.489 min Scan# 601

Delta R.T. -0.053 min

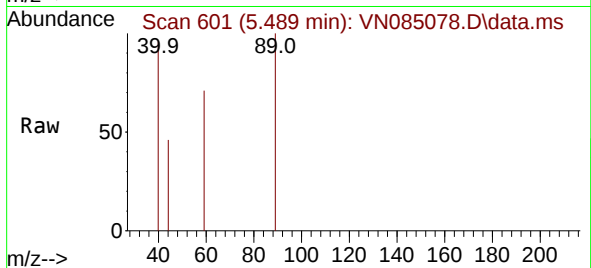
Lab File: VN085078.D

Acq: 03 Dec 2024 15:30

Instrument :

MSVOA_N

ClientSampleId :

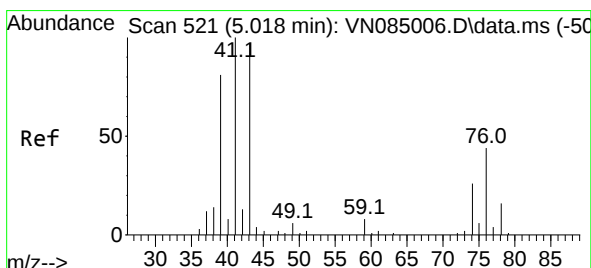
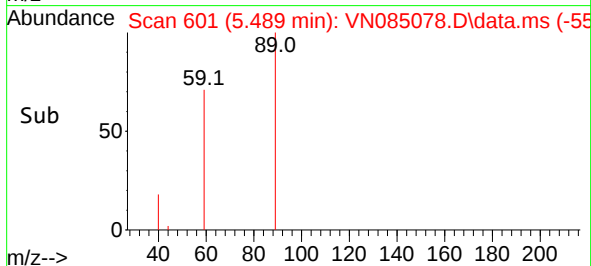
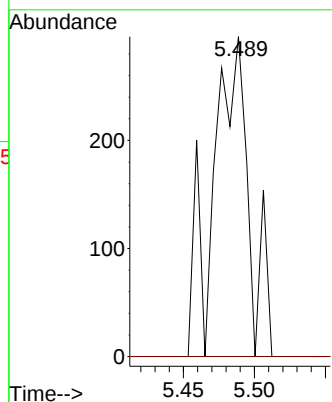


Tgt Ion: 59 Resp: 523

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN085078.D

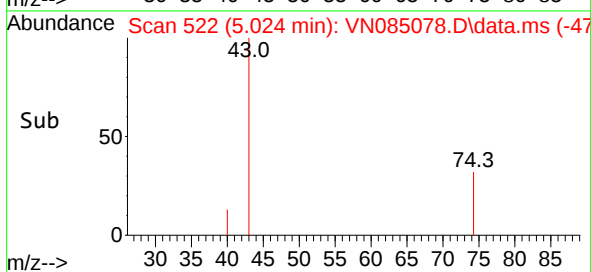
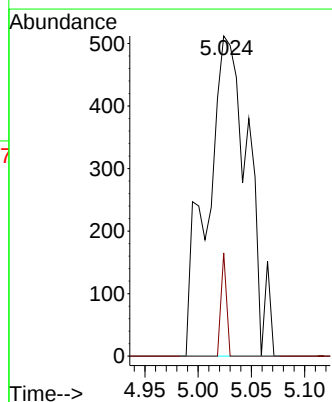
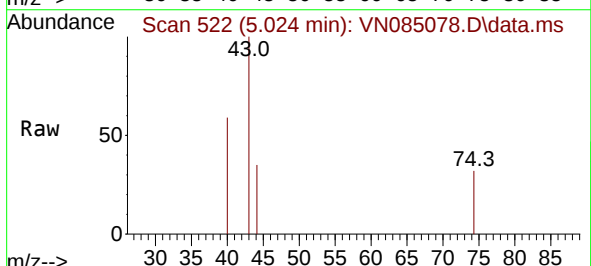
Acq: 03 Dec 2024 15:30

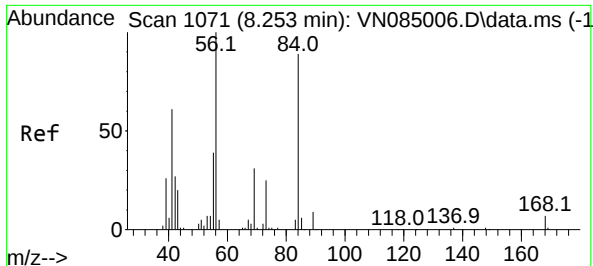
Tgt Ion: 43 Resp: 1367

Ion Ratio Lower Upper

43 100

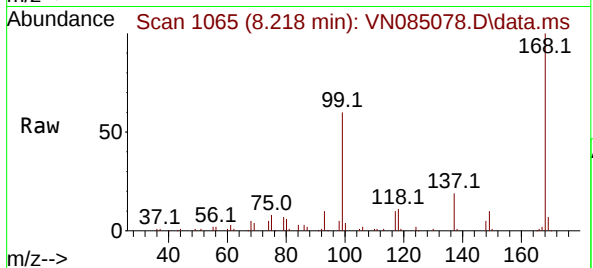
74 4.2 20.1 30.1#



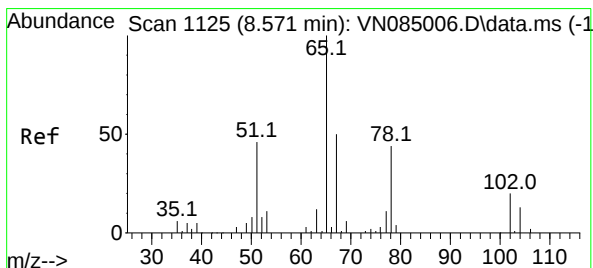
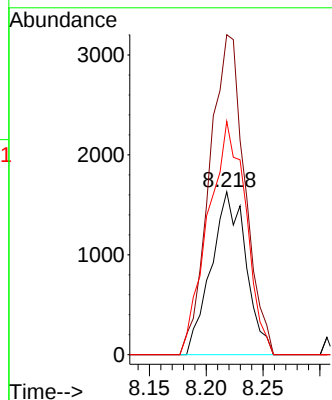
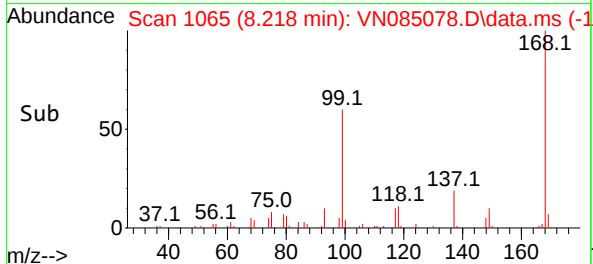


#31
Cyclohexane
Concen: 1.052 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085078.D
Acq: 03 Dec 2024 15:30

Instrument :
MSVOA_N
ClientSampleId :

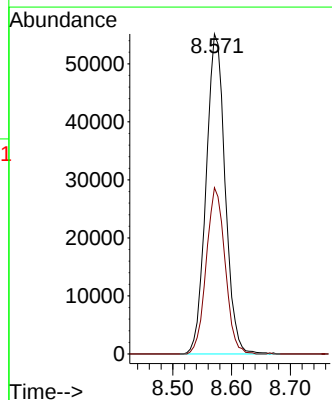
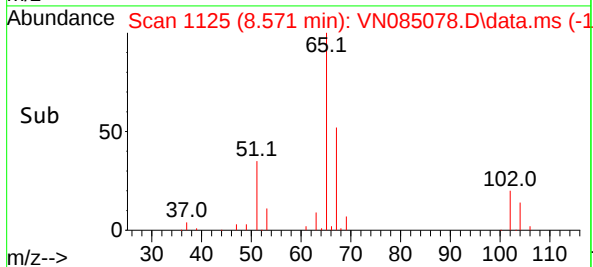
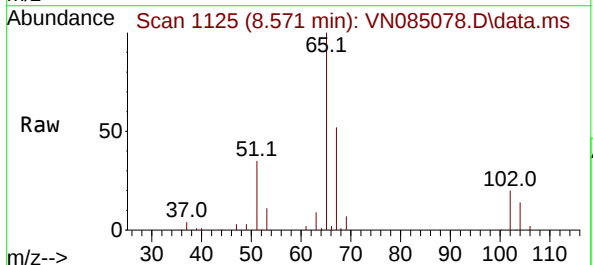


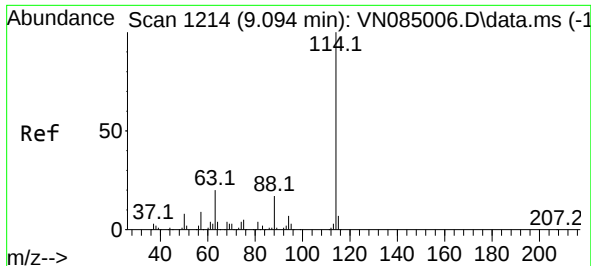
Tgt Ion: 56 Resp: 3478
Ion Ratio Lower Upper
56 100
69 196.4 24.6 36.8#
84 143.2 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 49.961 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.000 min
Lab File: VN085078.D
Acq: 03 Dec 2024 15:30

Tgt Ion: 65 Resp: 124047
Ion Ratio Lower Upper
65 100
67 51.3 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN085078.D

Acq: 03 Dec 2024 15:30

Instrument :

MSVOA_N

ClientSampleId :

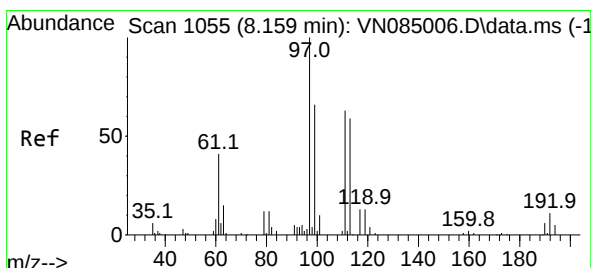
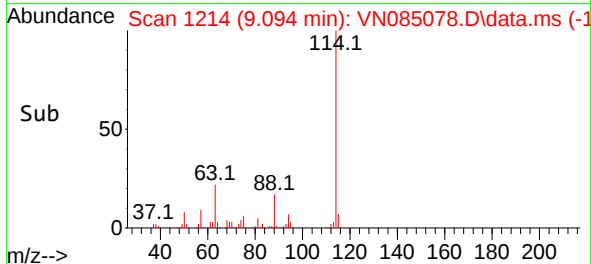
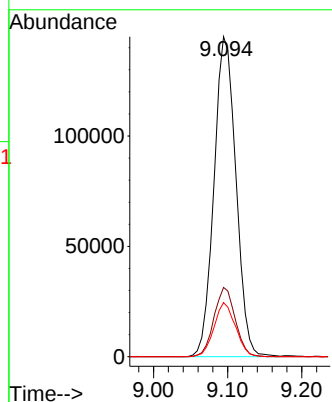
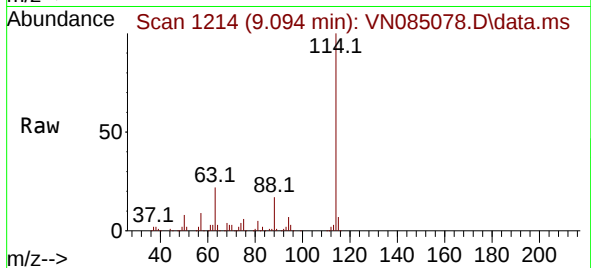
Tgt Ion:114 Resp: 298682

Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.0

88 16.9 0.0 34.8



#35

Dibromofluoromethane

Concen: 50.055 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085078.D

Acq: 03 Dec 2024 15:30

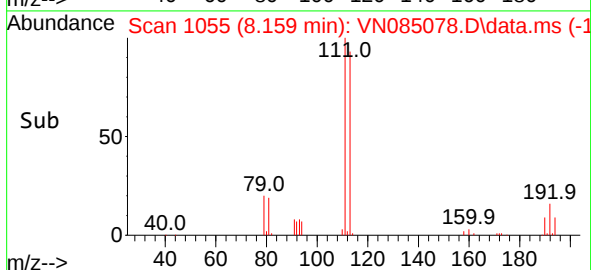
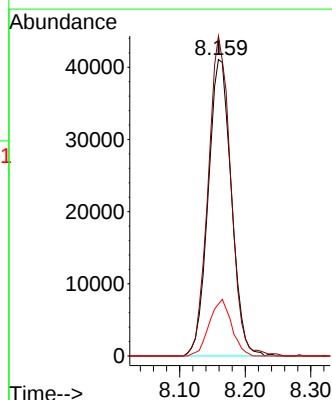
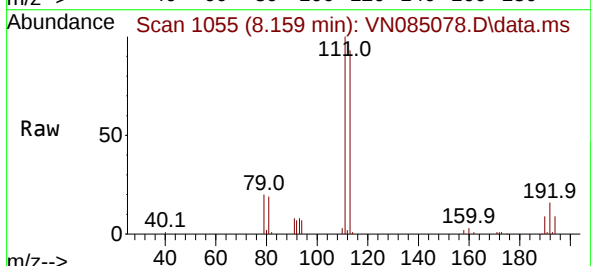
Tgt Ion:113 Resp: 100822

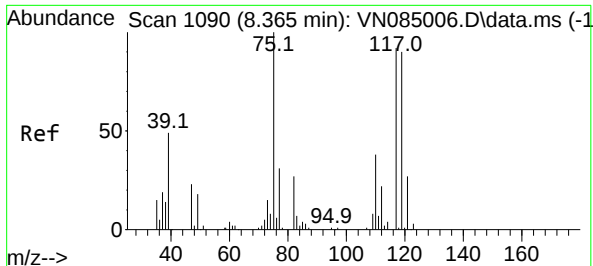
Ion Ratio Lower Upper

113 100

111 105.4 82.0 123.0

192 18.3 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.972 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085078.D

Acq: 03 Dec 2024 15:30

Instrument :

MSVOA_N

ClientSampleId :

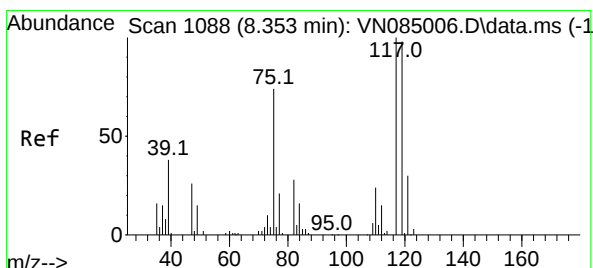
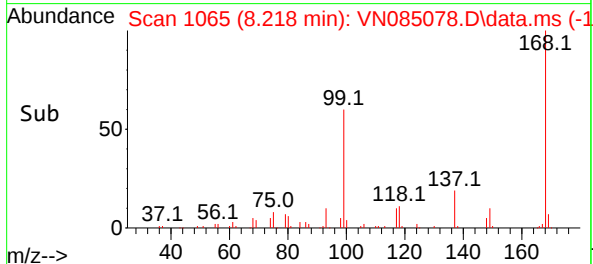
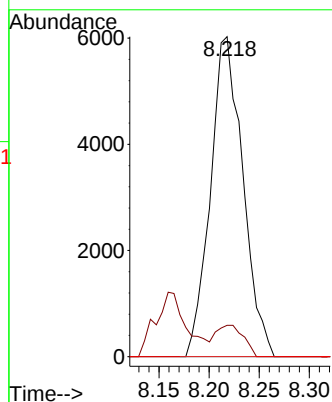
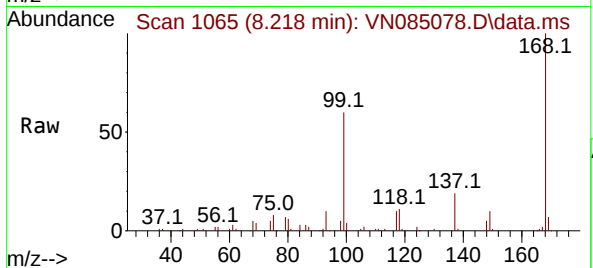
Tgt Ion: 75 Resp: 13566

Ion Ratio Lower Upper

75 100

110 8.3 17.2 51.6#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 5.538 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.135 min

Lab File: VN085078.D

Acq: 03 Dec 2024 15:30

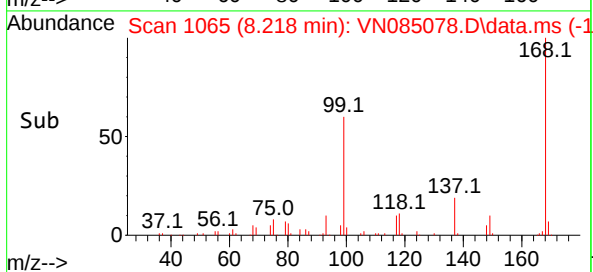
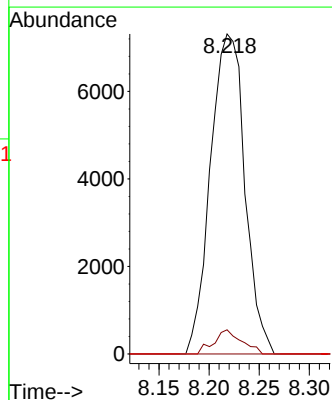
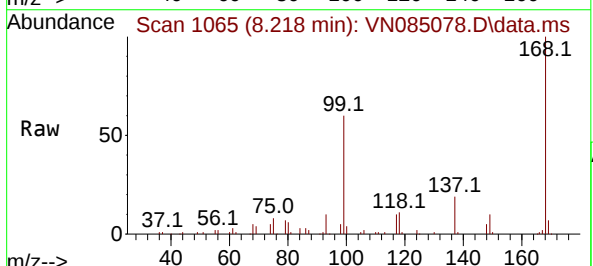
Tgt Ion: 117 Resp: 17440

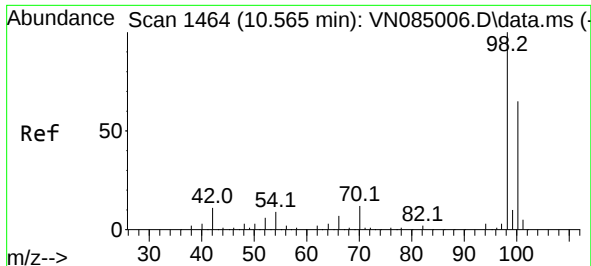
Ion Ratio Lower Upper

117 100

119 7.5 78.6 117.8#

121 0.0 24.2 36.2#

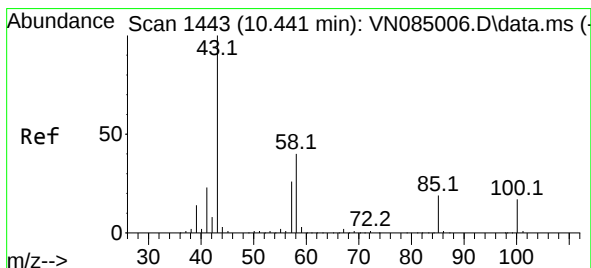
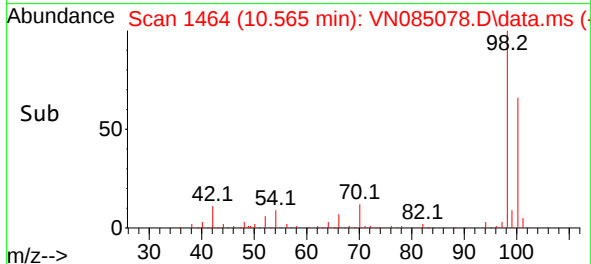
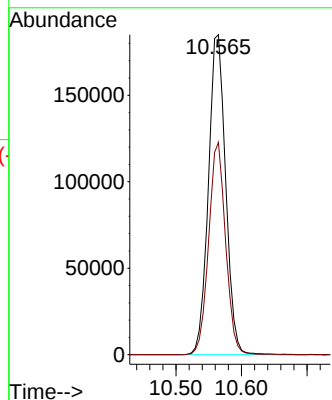
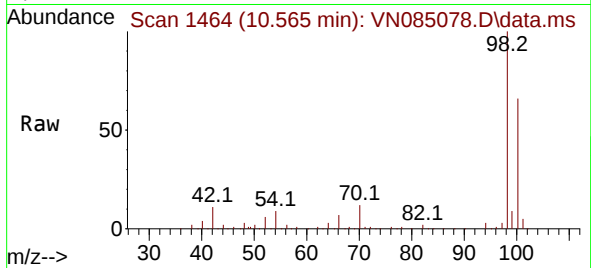




#50
Toluene-d8
Concen: 46.950 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085078.D
Acq: 03 Dec 2024 15:30

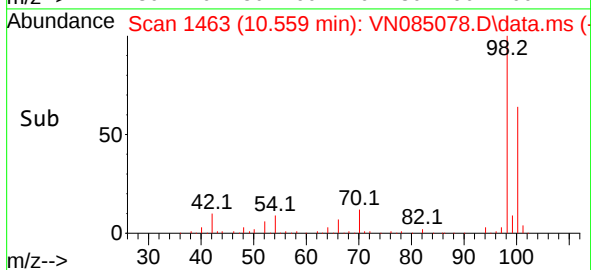
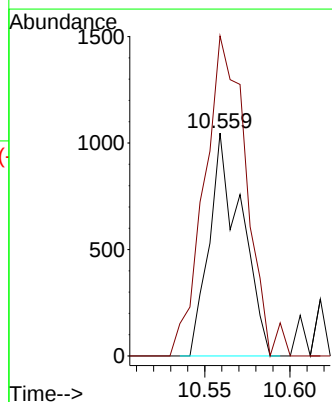
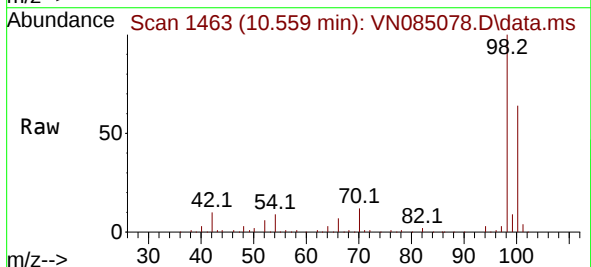
Instrument :
MSVOA_N
ClientSampleId :

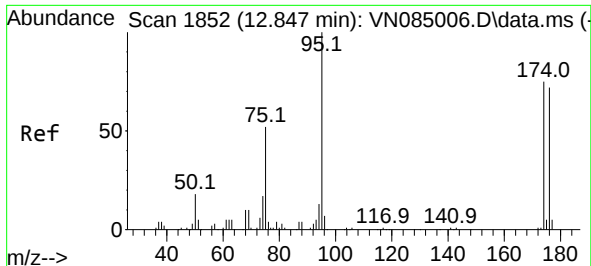
Tgt Ion: 98 Resp: 338904
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.583 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.118 min
Lab File: VN085078.D
Acq: 03 Dec 2024 15:30

Tgt Ion: 43 Resp: 1373
Ion Ratio Lower Upper
43 100
58 186.9 32.1 48.1#

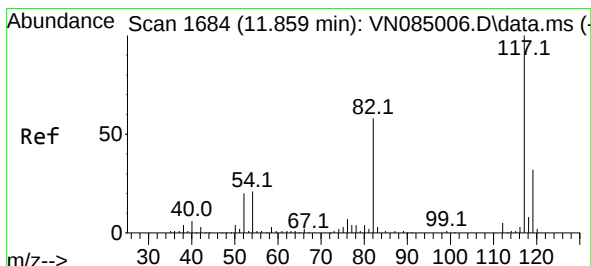
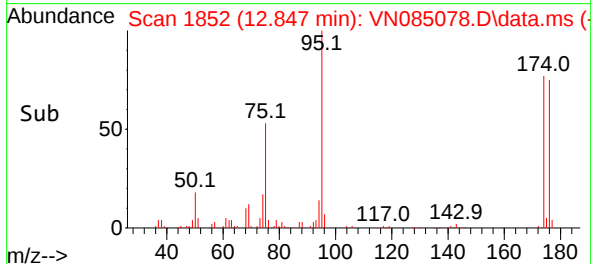
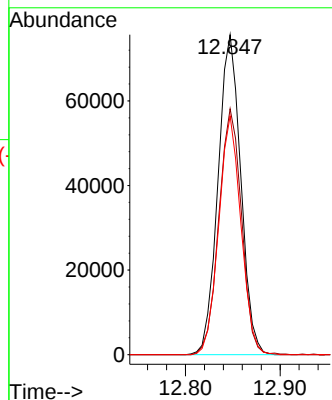
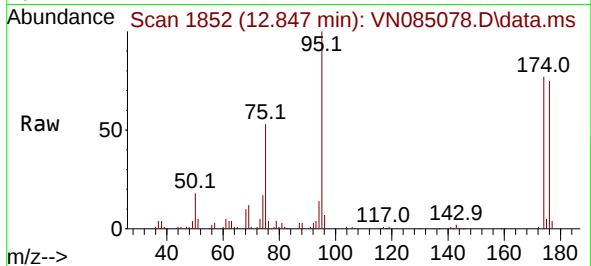




#62
4-Bromofluorobenzene
Concen: 46.716 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085078.D
Acq: 03 Dec 2024 15:30

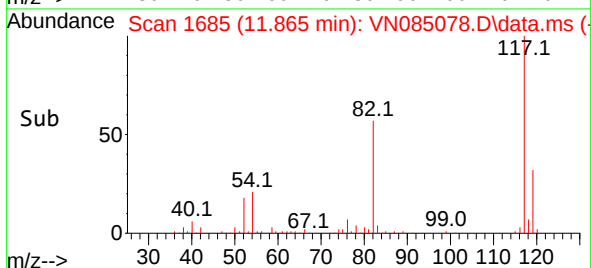
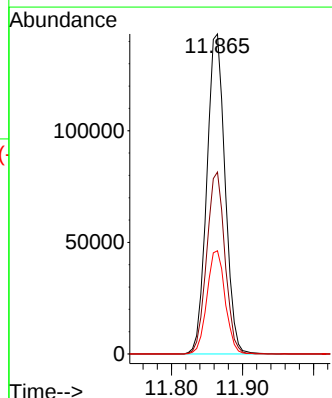
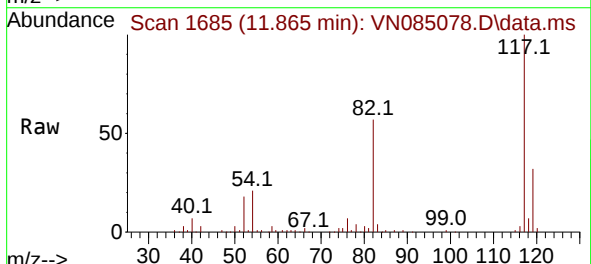
Instrument :
MSVOA_N
ClientSampleId :

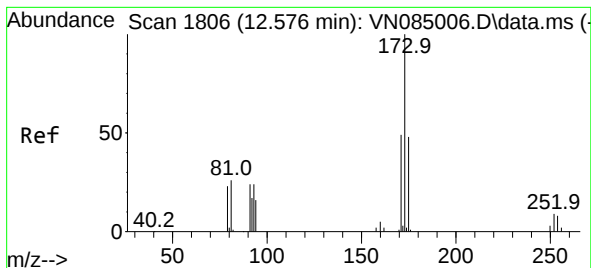
Tgt Ion: 95 Resp: 126109
Ion Ratio Lower Upper
95 100
174 76.8 0.0 146.6
176 72.9 0.0 141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085078.D
Acq: 03 Dec 2024 15:30

Tgt Ion: 117 Resp: 256658
Ion Ratio Lower Upper
117 100
82 56.9 46.0 69.0
119 32.3 25.6 38.4





#71

Bromoform

Concen: 0.361 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

Lab File: VN085078.D

Acq: 03 Dec 2024 15:30

Instrument :

MSVOA_N

ClientSampleId :

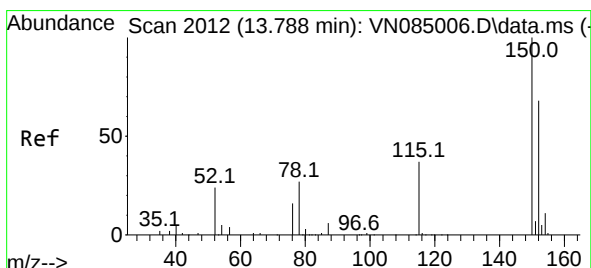
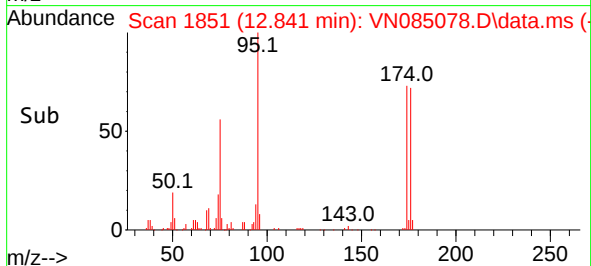
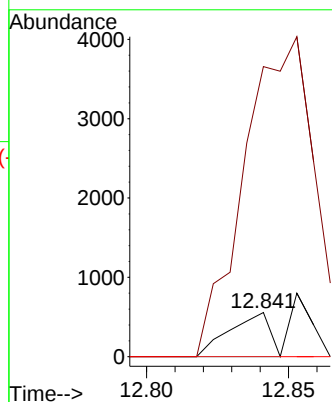
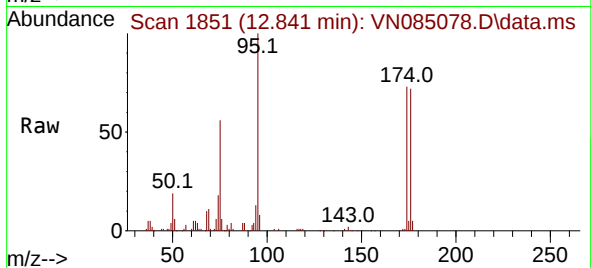
Tgt Ion:173 Resp: 549

Ion Ratio Lower Upper

173 100

175 767.2 23.8 71.2#

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: VN085078.D

Acq: 03 Dec 2024 15:30

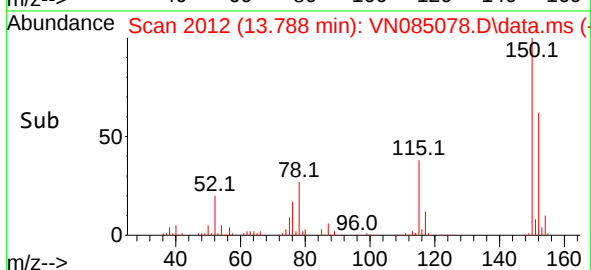
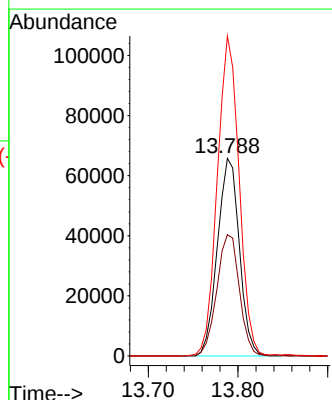
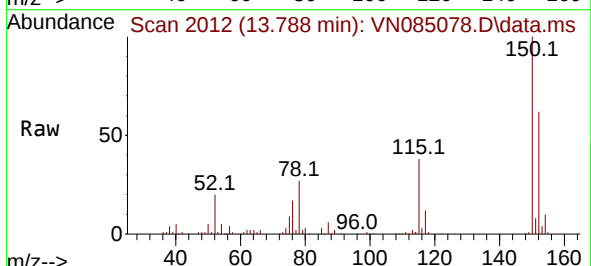
Tgt Ion:152 Resp: 111705

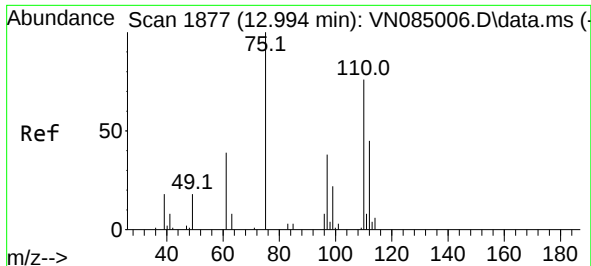
Ion Ratio Lower Upper

152 100

115 63.0 31.7 95.1

150 160.3 0.0 351.4

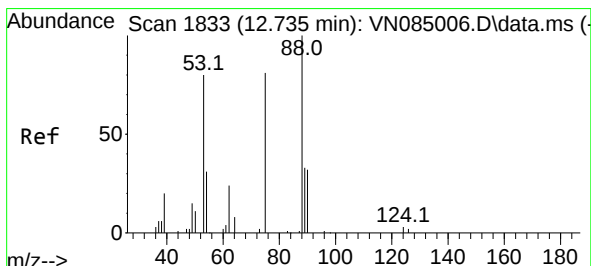
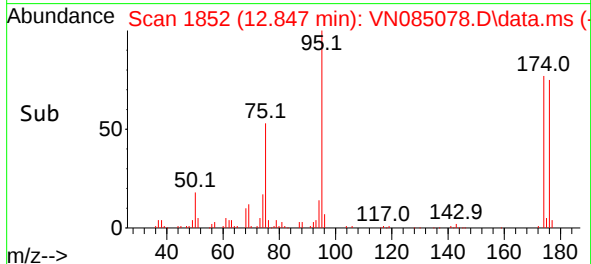
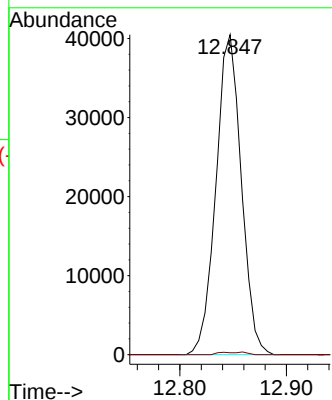
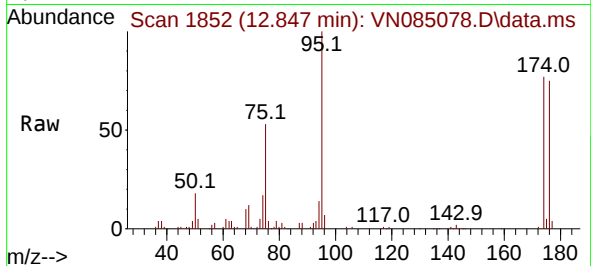




#76
1,2,3-Trichloropropane
Concen: 32.846 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085078.D
Acq: 03 Dec 2024 15:30

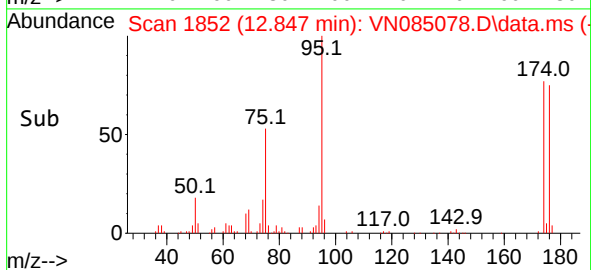
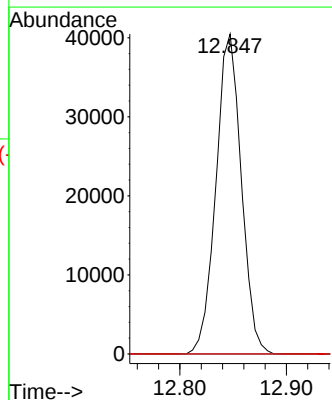
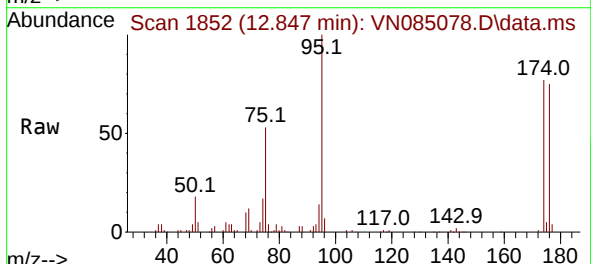
Instrument :
MSVOA_N
ClientSampleId :

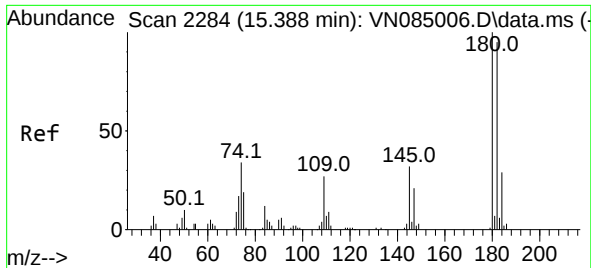
Tgt Ion: 75 Resp: 66737
Ion Ratio Lower Upper
75 100
77 0.8 109.1 327.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.509 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085078.D
Acq: 03 Dec 2024 15:30

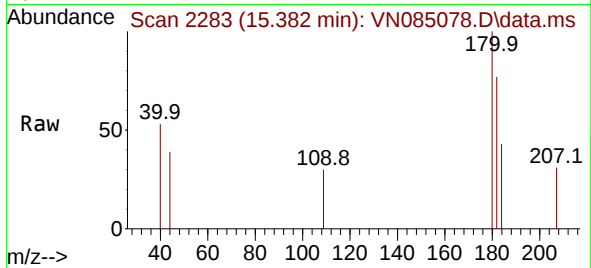
Tgt Ion: 75 Resp: 66737
Ion Ratio Lower Upper
75 100
53 0.0 78.2 117.4#
89 0.0 37.9 56.9#



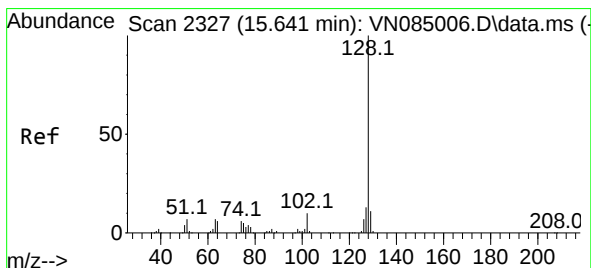
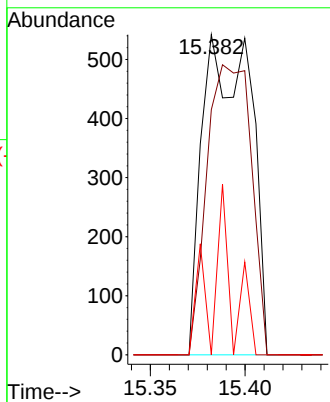
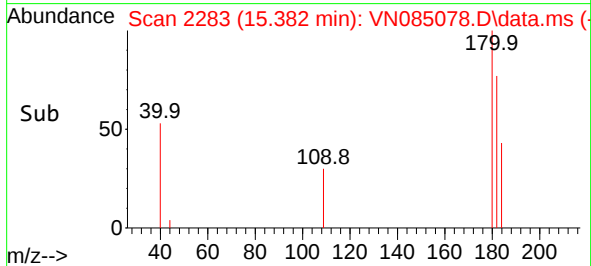


#93
1,2,4-Trichlorobenzene
Concen: 0.437 ug/l
RT: 15.382 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN085078.D
Acq: 03 Dec 2024 15:30

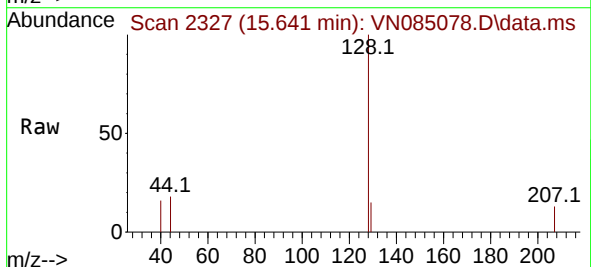
Instrument :
MSVOA_N
ClientSampleId :



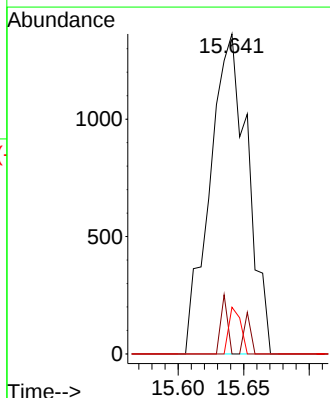
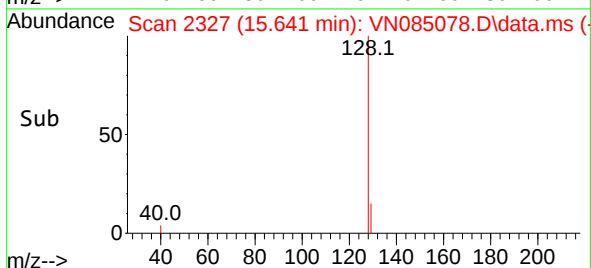
Tgt Ion:180 Resp: 952
Ion Ratio Lower Upper
180 100
182 83.5 46.9 140.8
145 23.5 16.3 48.8

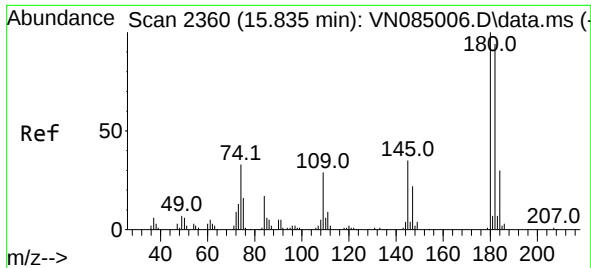


#95
Naphthalene
Concen: 0.439 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN085078.D
Acq: 03 Dec 2024 15:30



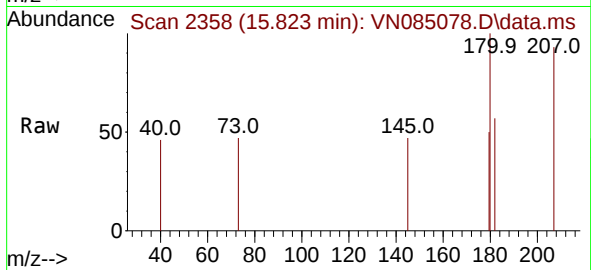
Tgt Ion:128 Resp: 2724
Ion Ratio Lower Upper
128 100
127 3.3 10.6 16.0#
129 4.6 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.495 ug/l
 RT: 15.823 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VN085078.D
 Acq: 03 Dec 2024 15:30

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1028
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.4 139.2#
 145 47.1 17.3 52.0

