

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085011.D
 Acq On : 22 Nov 2024 14:09
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 23 02:56:42 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	8.224	168	156982	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	273594	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	236620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	100776	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113482	50.750	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.500%
35) Dibromofluoromethane	8.159	113	90800	49.213	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.420%
50) Toluene-d8	10.565	98	312193	47.215	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.440%
62) 4-Bromofluorobenzene	12.847	95	104339	42.196	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	84.400%

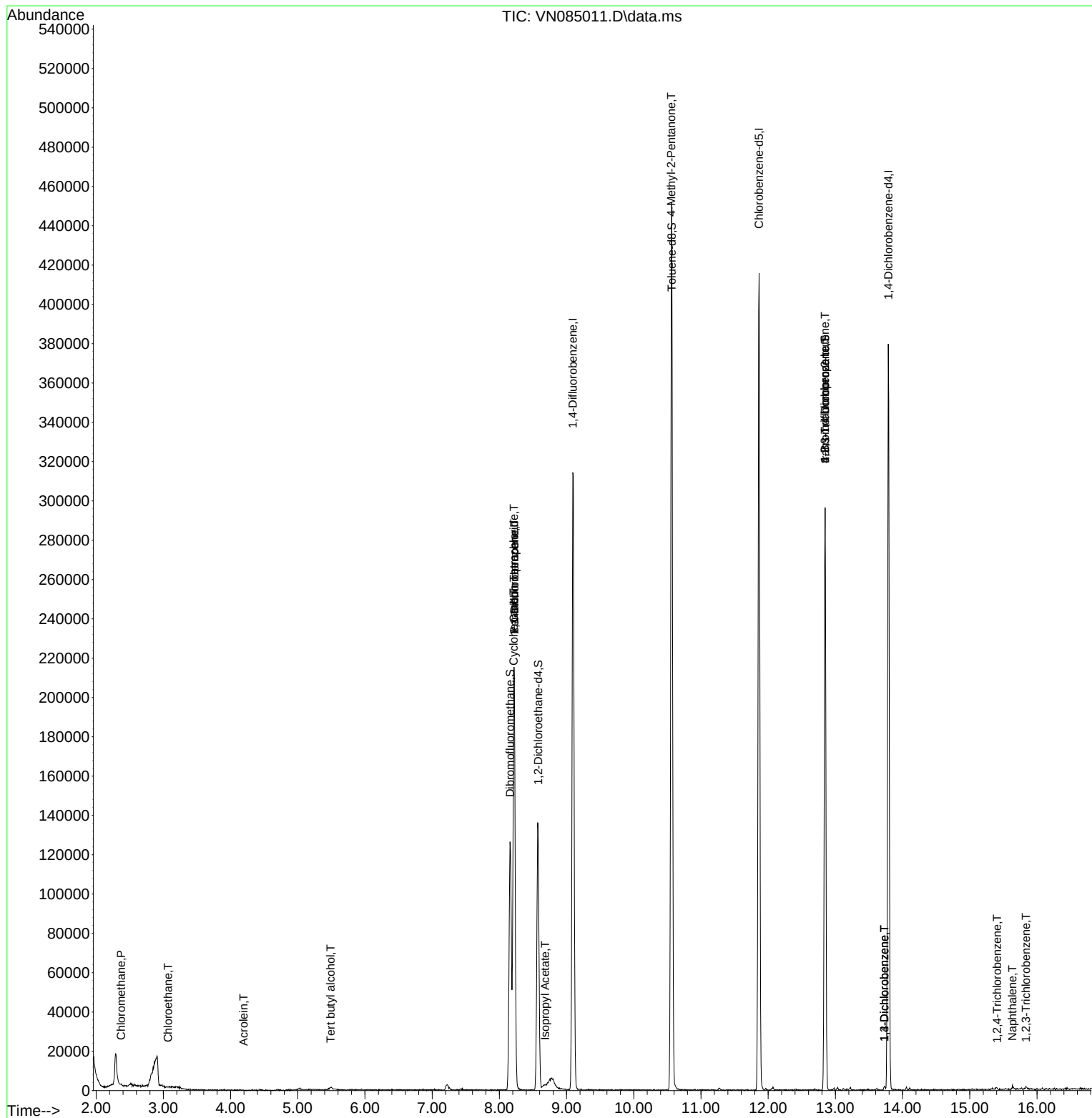
Target Compounds				Qvalue		
3) Chloromethane	2.371	50	424	0.206	ug/l #	40
6) Chloroethane	3.071	64	418	0.335	ug/l #	44
11) Tert butyl alcohol	5.489	59	1214	4.063	ug/l #	75
13) Acrolein	4.195	56	55	0.276	ug/l #	16
18) Methyl Acetate	5.012	43	850	Below Cal	#	50
31) Cyclohexane	8.212	56	3233	1.085	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13098	5.241	ug/l #	49
38) Carbon Tetrachloride	8.218	117	17092	5.925	ug/l #	16
43) Isopropyl Acetate	8.683	43	2799	0.593	ug/l #	55
51) 4-Methyl-2-Pentanone	10.559	43	1107	0.514	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	56422	30.781	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	56422	67.950	ug/l #	10
87) 1,3-Dichlorobenzene	13.729	146	1067	0.283	ug/l	91
88) 1,4-Dichlorobenzene	13.729	146	1067	0.277	ug/l	94
93) 1,2,4-Trichlorobenzene	15.406	180	738	0.376	ug/l #	81
95) Naphthalene	15.635	128	1833	0.328	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.835	180	389	0.208	ug/l	81

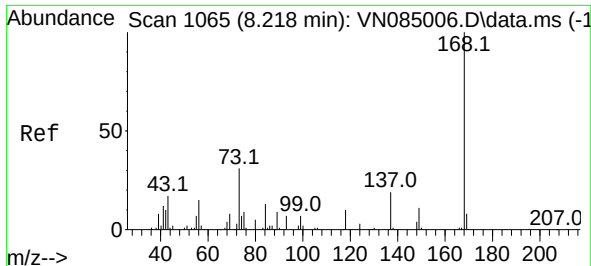
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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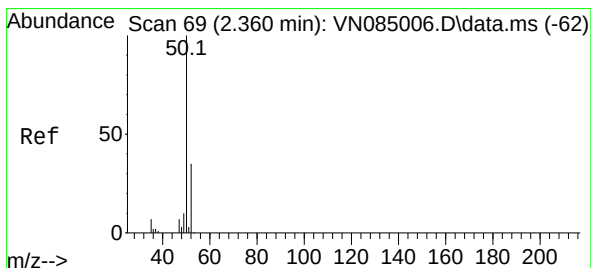
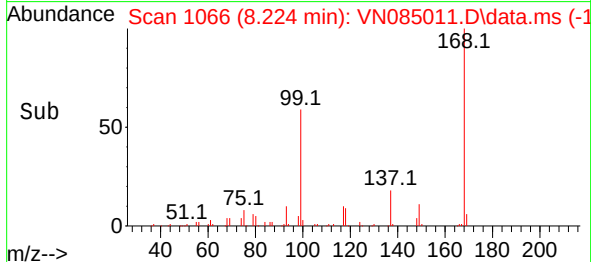
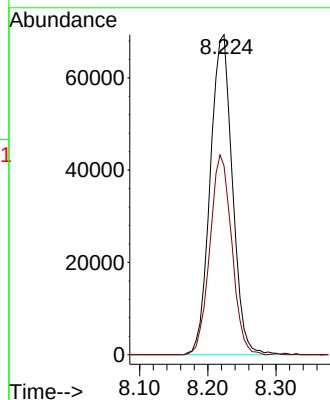
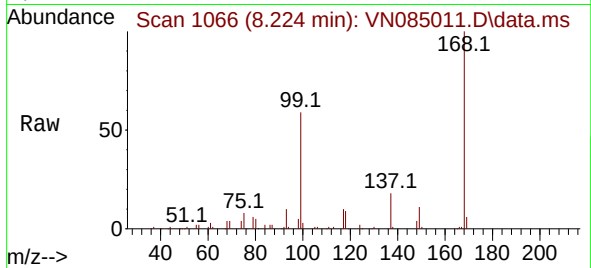




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085011.D
Acq: 22 Nov 2024 14:09

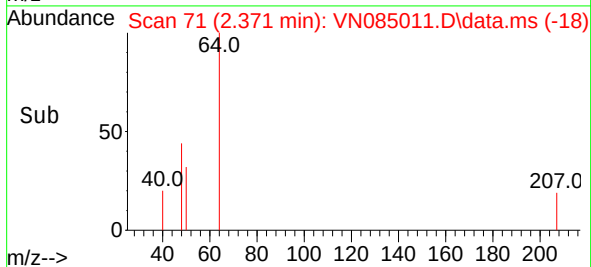
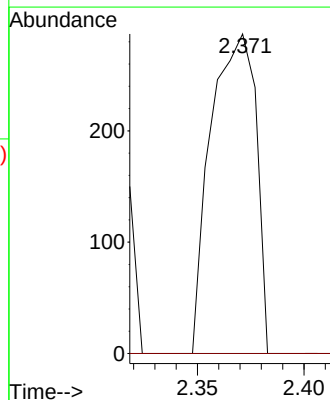
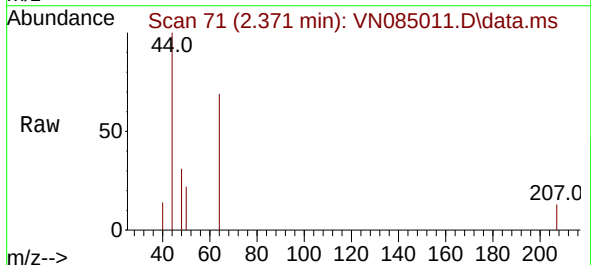
Instrument :
MSVOA_N
ClientSampleId :

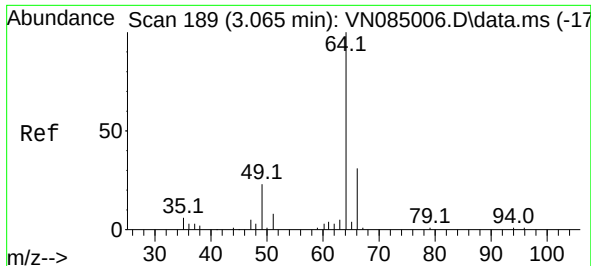
Tgt Ion:168 Resp: 156982
Ion Ratio Lower Upper
168 100
99 59.0 51.2 76.8



#3
Chloromethane
Concen: 0.206 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN085011.D
Acq: 22 Nov 2024 14:09

Tgt Ion: 50 Resp: 424
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

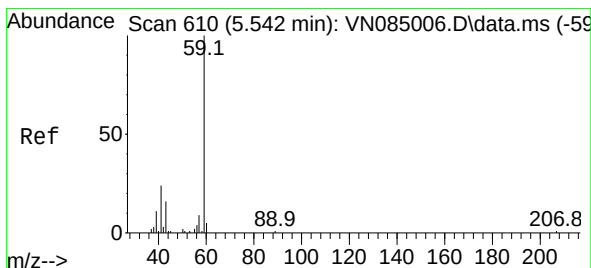
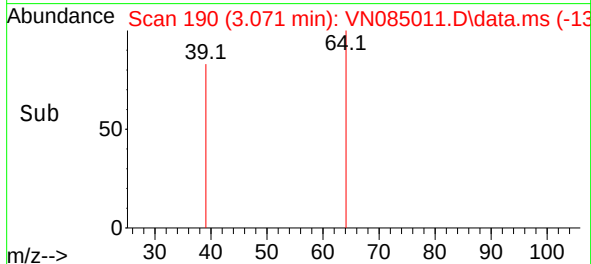
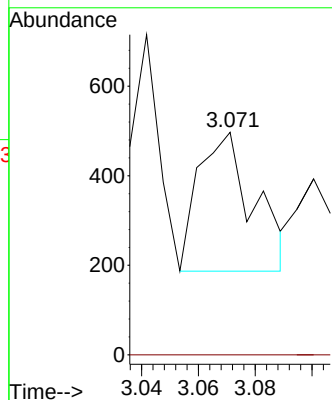
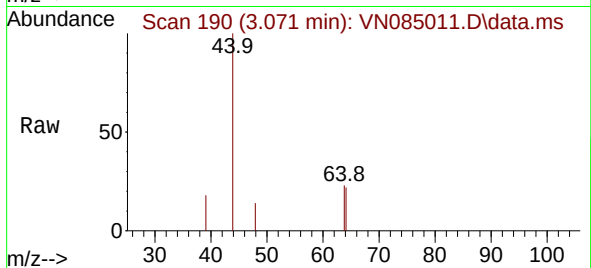




#6
Chloroethane
Concen: 0.335 ug/l
RT: 3.071 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085011.D
Acq: 22 Nov 2024 14:09

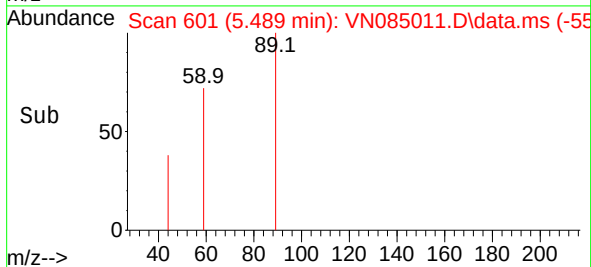
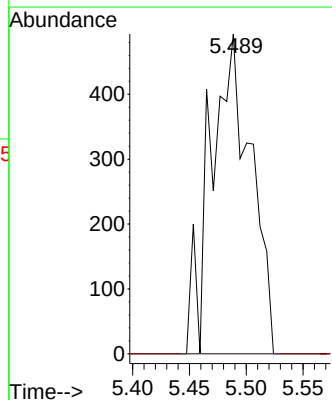
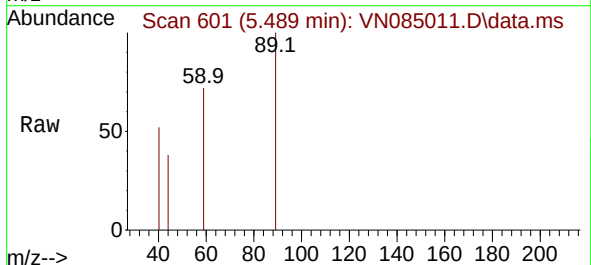
Instrument :
MSVOA_N
ClientSampleId :

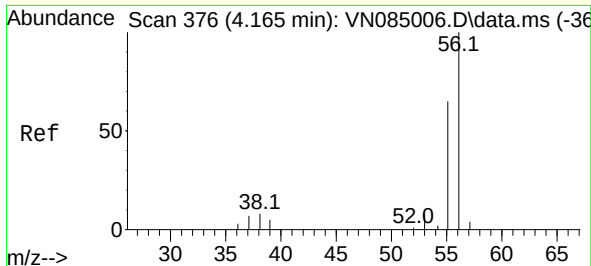
Tgt Ion: 64 Resp: 418
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#11
Tert butyl alcohol
Concen: 4.063 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.053 min
Lab File: VN085011.D
Acq: 22 Nov 2024 14:09

Tgt Ion: 59 Resp: 1214
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#13

Acrolein

Concen: 0.276 ug/l

RT: 4.195 min Scan# 30

Delta R.T. 0.029 min

Lab File: VN085011.D

Acq: 22 Nov 2024 14:09

Instrument :

MSVOA_N

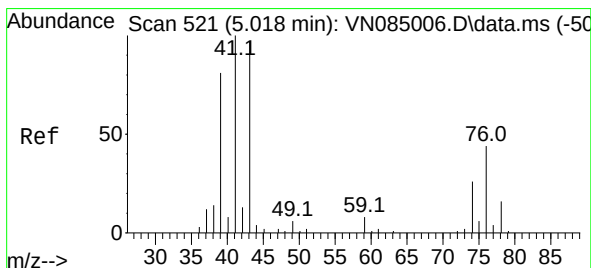
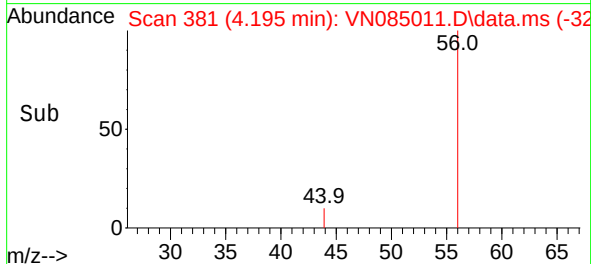
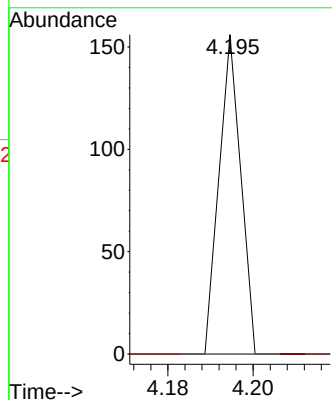
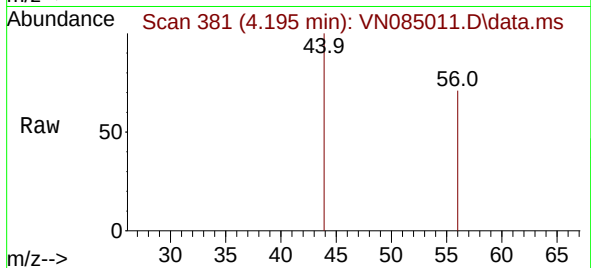
ClientSampleId :

Tgt Ion: 56 Resp: 55

Ion Ratio Lower Upper

56 100

55 0.0 54.5 81.7#



#18

Methyl Acetate

Concen: Below Cal

RT: 5.012 min Scan# 520

Delta R.T. -0.006 min

Lab File: VN085011.D

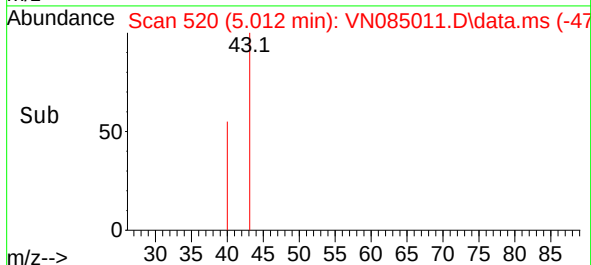
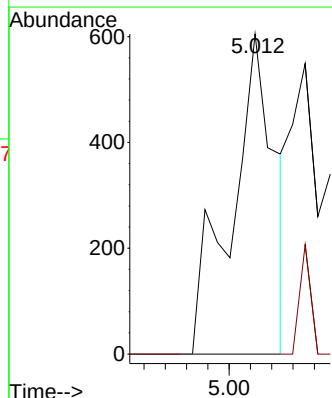
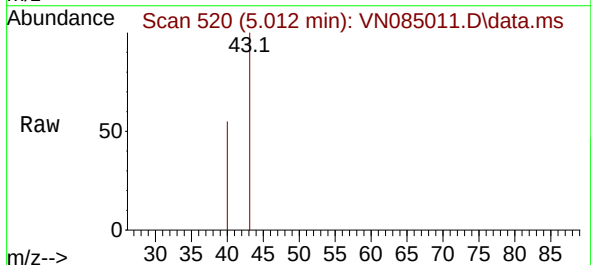
Acq: 22 Nov 2024 14:09

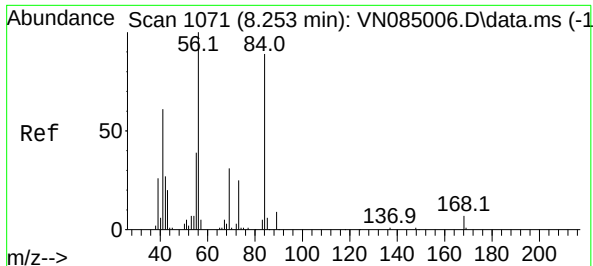
Tgt Ion: 43 Resp: 850

Ion Ratio Lower Upper

43 100

74 0.0 20.1 30.1#





#31

Cyclohexane

Concen: 1.085 ug/l

RT: 8.212 min Scan# 1

Delta R.T. -0.041 min

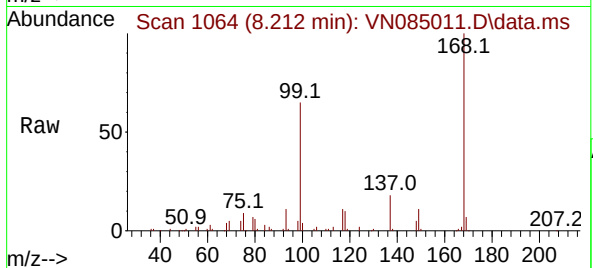
Lab File: VN085011.D

Acq: 22 Nov 2024 14:09

Instrument :

MSVOA_N

ClientSampleId :



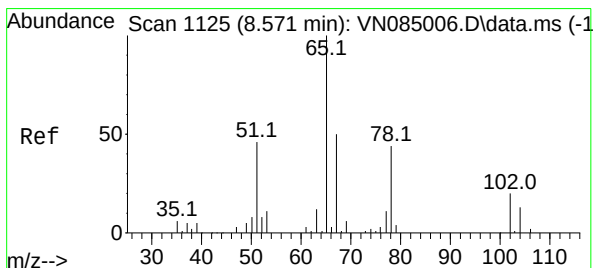
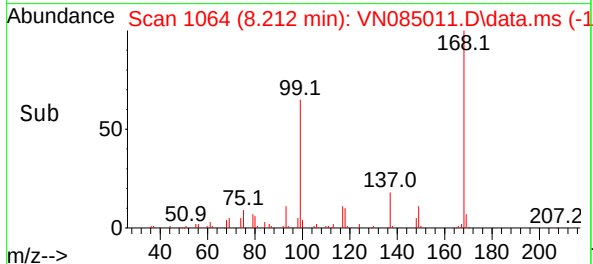
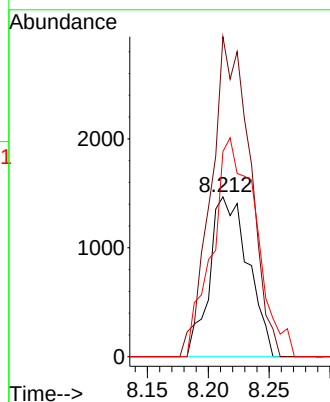
Tgt Ion: 56 Resp: 3233

Ion Ratio Lower Upper

56 100

69 200.1 24.6 36.8#

84 128.3 71.4 107.2#



#33

1,2-Dichloroethane-d4

Concen: 50.750 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085011.D

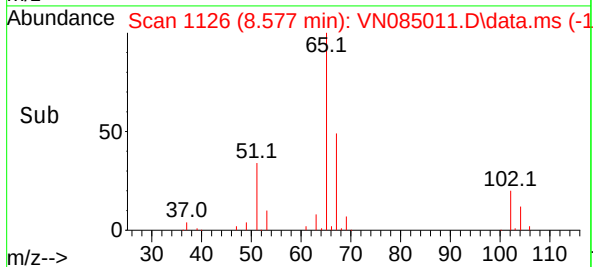
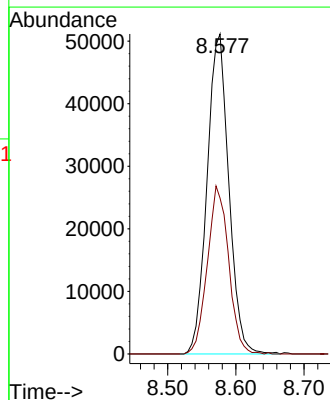
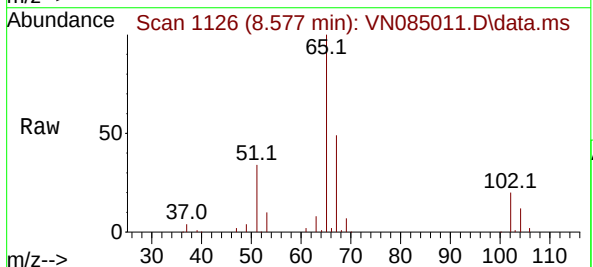
Acq: 22 Nov 2024 14:09

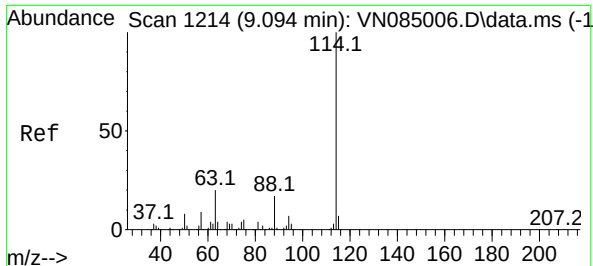
Tgt Ion: 65 Resp: 113482

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# 1

Delta R.T. -0.000 min MSVOA_N

Lab File: VN085011.D

Acq: 22 Nov 2024 14:09

Instrument :

MSVOA_N

ClientSampleId :

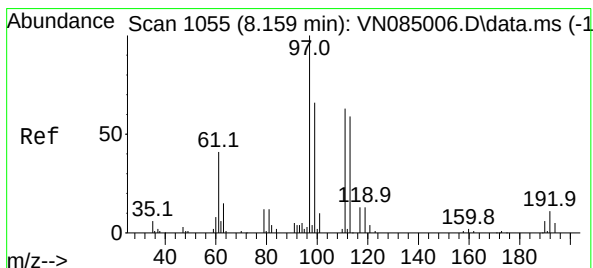
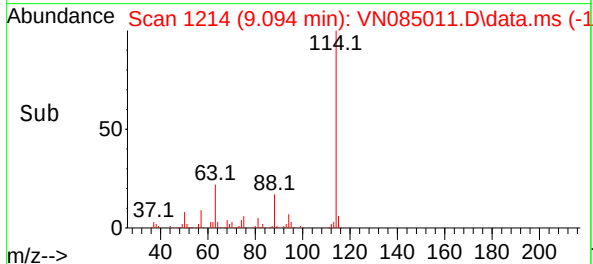
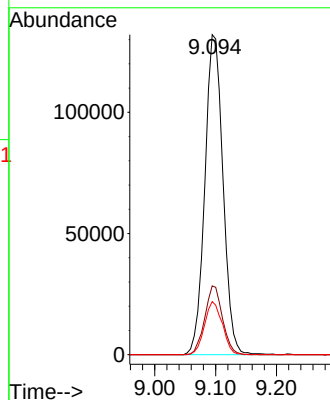
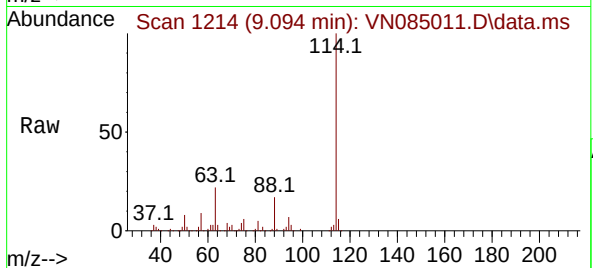
Tgt Ion:114 Resp: 273594

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.0

88 16.6 0.0 34.8



#35

Dibromofluoromethane

Concen: 49.213 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085011.D

Acq: 22 Nov 2024 14:09

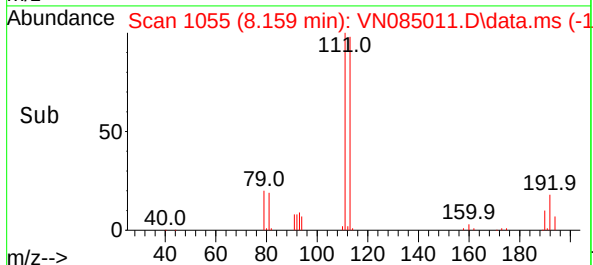
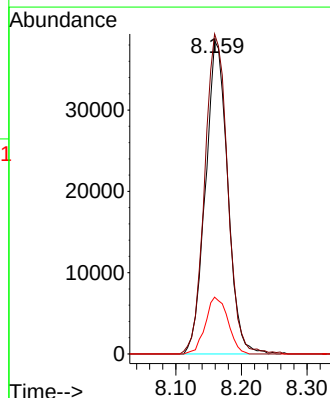
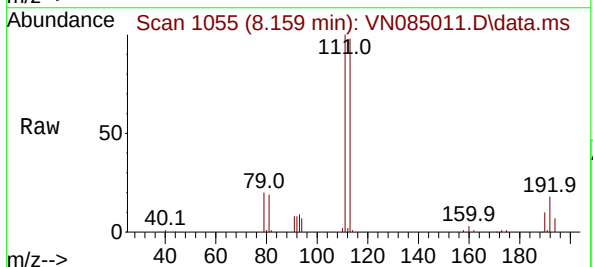
Tgt Ion:113 Resp: 90800

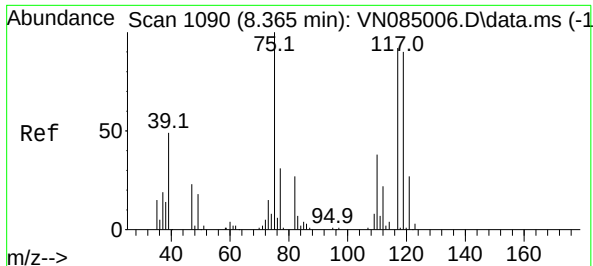
Ion Ratio Lower Upper

113 100

111 105.4 82.0 123.0

192 18.3 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.241 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN085011.D

Acq: 22 Nov 2024 14:09

Instrument :

MSVOA_N

ClientSampleId :

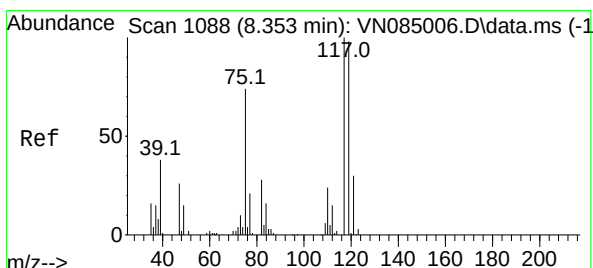
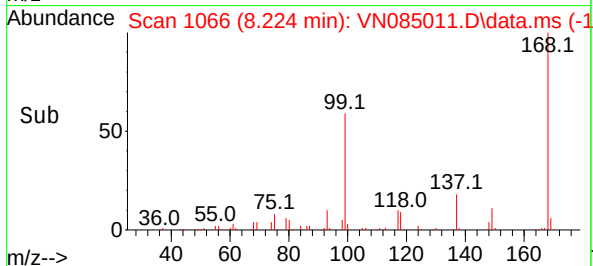
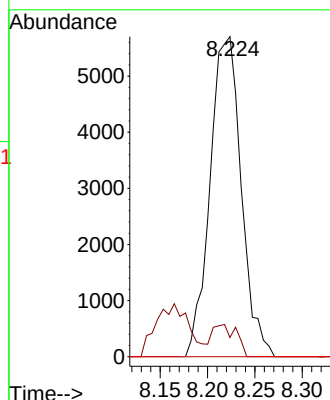
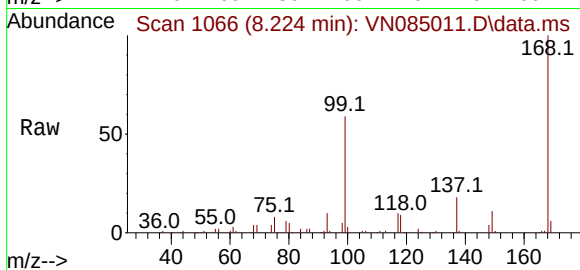
Tgt Ion: 75 Resp: 13098

Ion Ratio Lower Upper

75 100

110 7.6 17.2 51.6#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 5.925 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.135 min

Lab File: VN085011.D

Acq: 22 Nov 2024 14:09

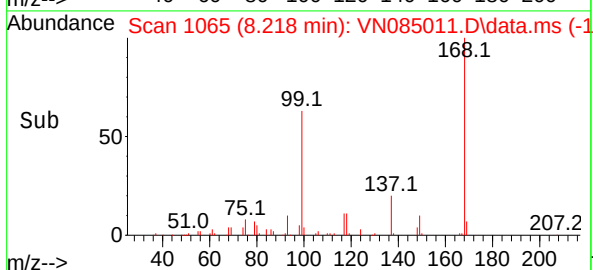
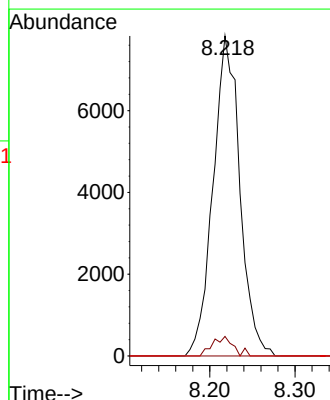
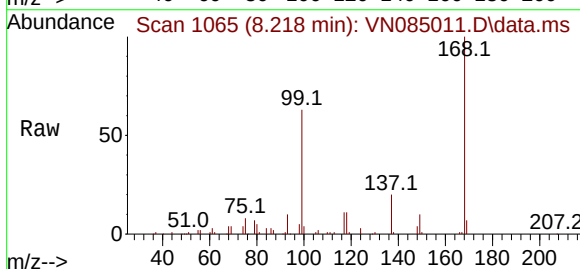
Tgt Ion:117 Resp: 17092

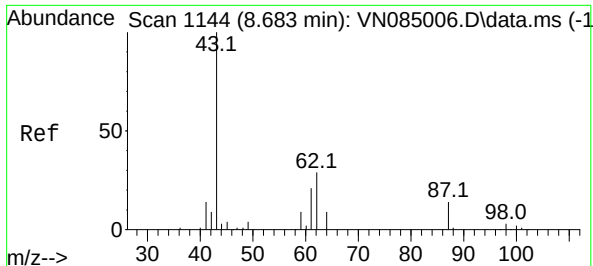
Ion Ratio Lower Upper

117 100

119 6.1 78.6 117.8#

121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 0.593 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN085011.D

Acq: 22 Nov 2024 14:09

Instrument :

MSVOA_N

ClientSampleId :

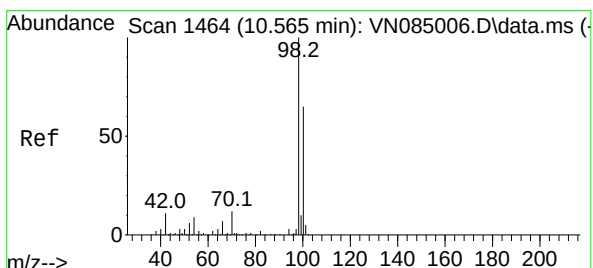
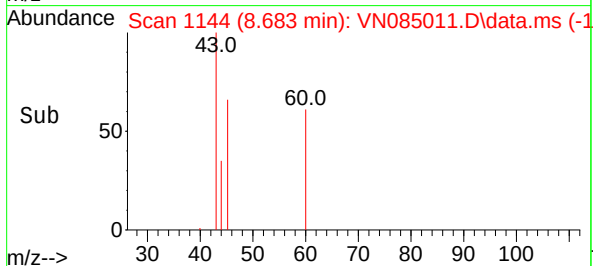
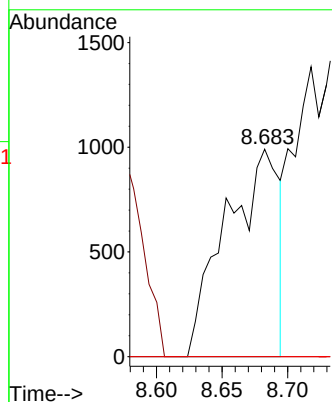
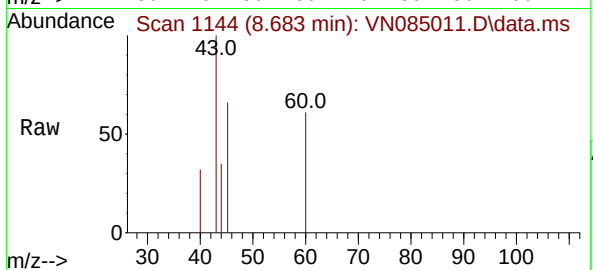
Tgt Ion: 43 Resp: 2799

Ion Ratio Lower Upper

43 100

61 0.0 20.6 30.8#

87 0.0 11.0 16.4#



#50

Toluene-d8

Concen: 47.215 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085011.D

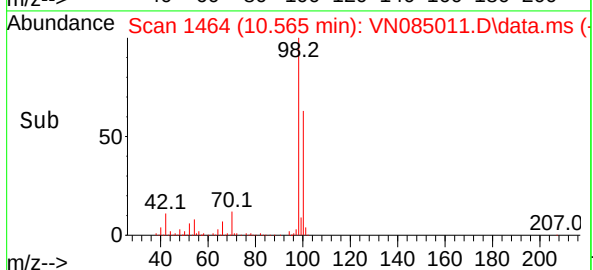
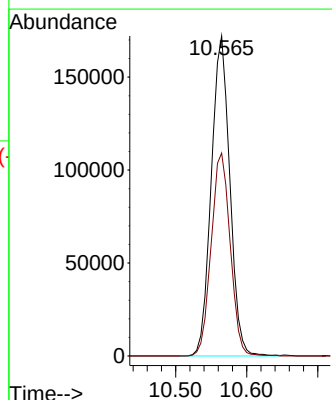
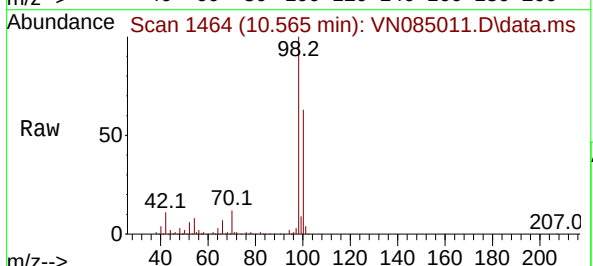
Acq: 22 Nov 2024 14:09

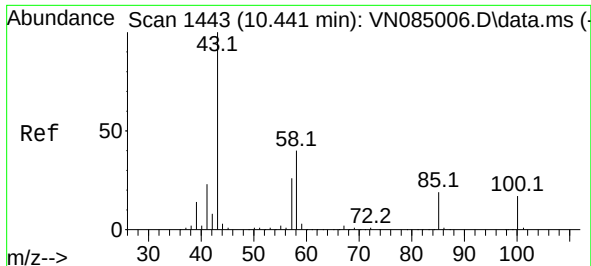
Tgt Ion: 98 Resp: 312193

Ion Ratio Lower Upper

98 100

100 65.0 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.514 ug/l

RT: 10.559 min Scan# 1443

Delta R.T. 0.118 min

Lab File: VN085011.D

Acq: 22 Nov 2024 14:09

Instrument :

MSVOA_N

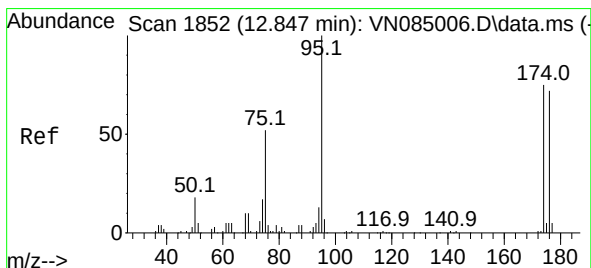
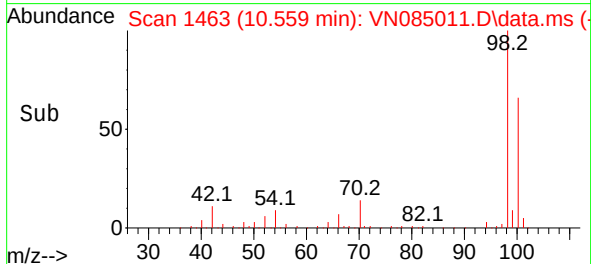
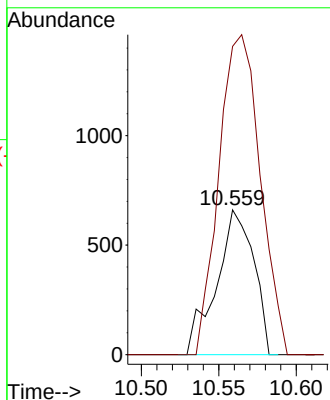
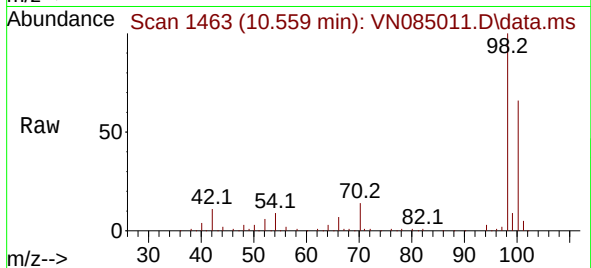
ClientSampleId :

Tgt Ion: 43 Resp: 1107

Ion Ratio Lower Upper

43 100

58 244.6 32.1 48.1#



#62

4-Bromofluorobenzene

Concen: 42.196 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN085011.D

Acq: 22 Nov 2024 14:09

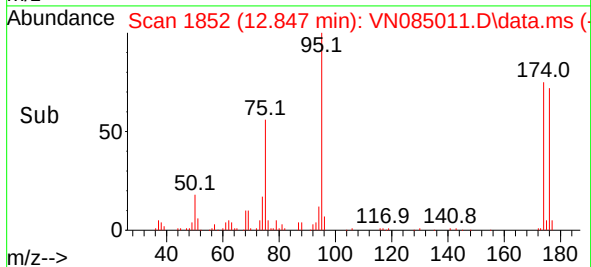
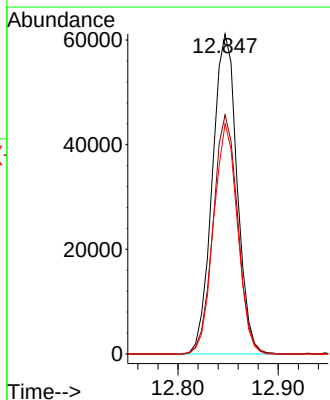
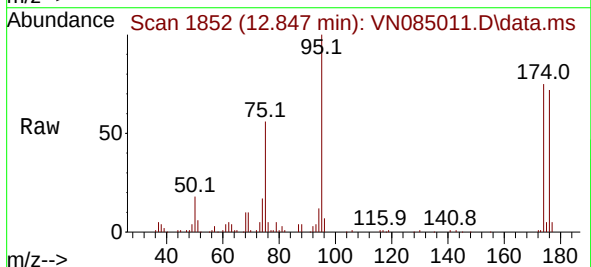
Tgt Ion: 95 Resp: 104339

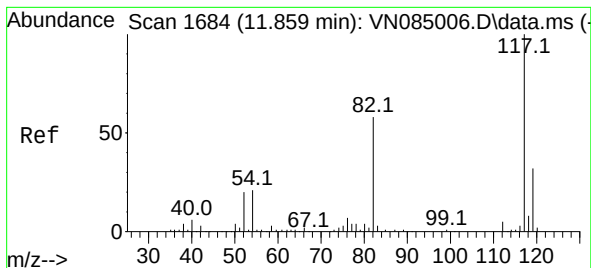
Ion Ratio Lower Upper

95 100

174 74.4 0.0 146.6

176 69.9 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085011.D

Acq: 22 Nov 2024 14:09

Instrument :

MSVOA_N

ClientSampleId :

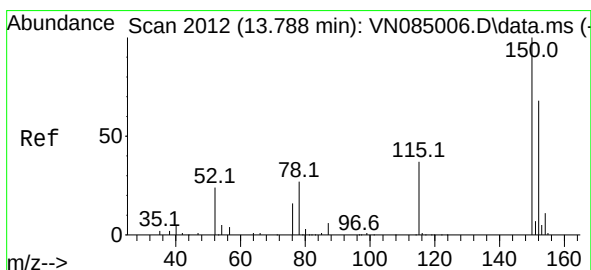
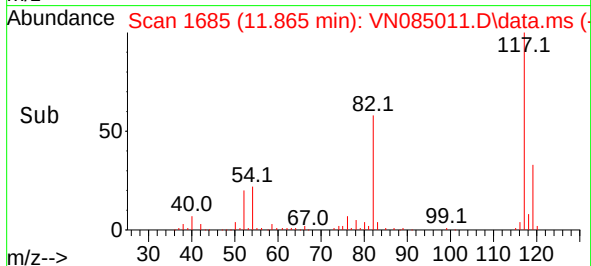
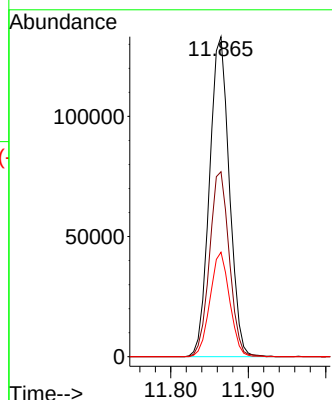
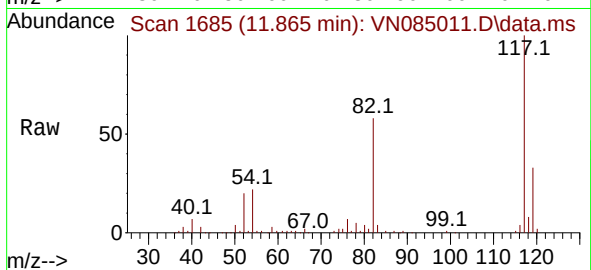
Tgt Ion:117 Resp: 236620

Ion Ratio Lower Upper

117 100

82 57.8 46.0 69.0

119 32.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085011.D

Acq: 22 Nov 2024 14:09

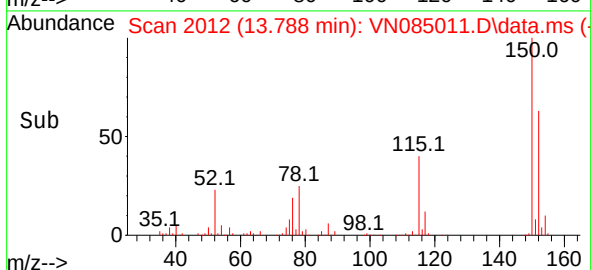
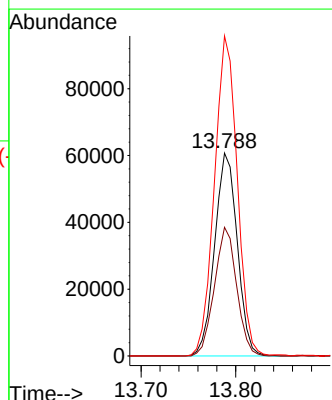
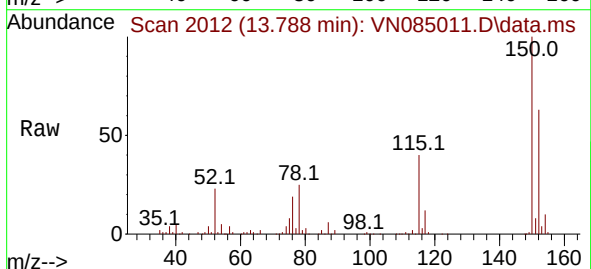
Tgt Ion:152 Resp: 100776

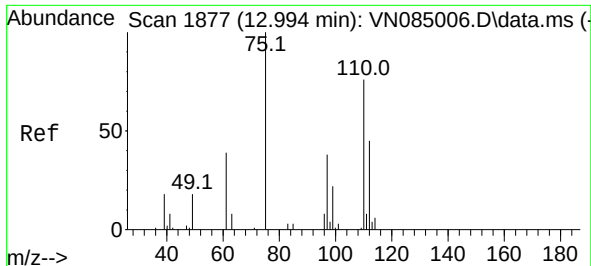
Ion Ratio Lower Upper

152 100

115 62.3 31.7 95.1

150 159.2 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 30.781 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN085011.D

Acq: 22 Nov 2024 14:09

Instrument :

MSVOA_N

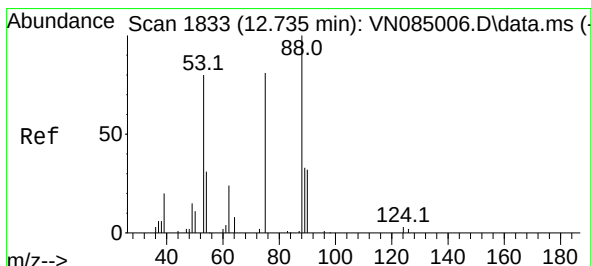
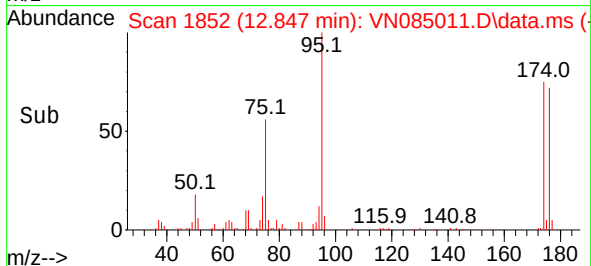
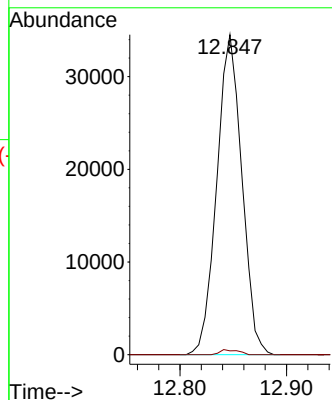
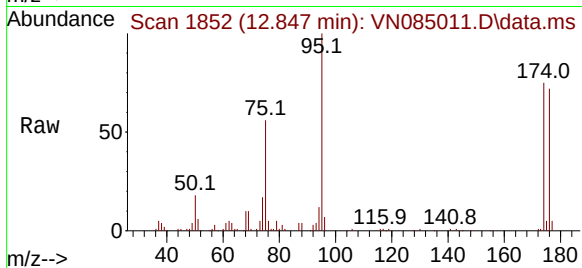
ClientSampleId :

Tgt Ion: 75 Resp: 56422

Ion Ratio Lower Upper

75 100

77 1.2 109.1 327.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.950 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN085011.D

Acq: 22 Nov 2024 14:09

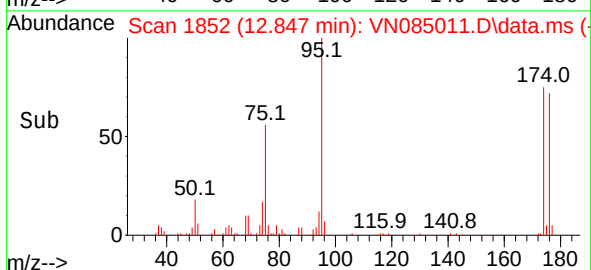
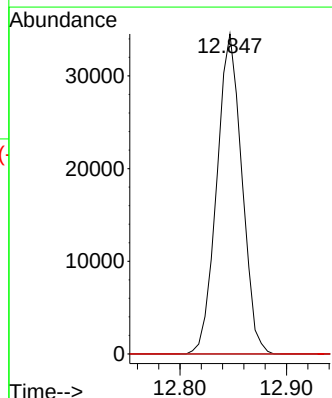
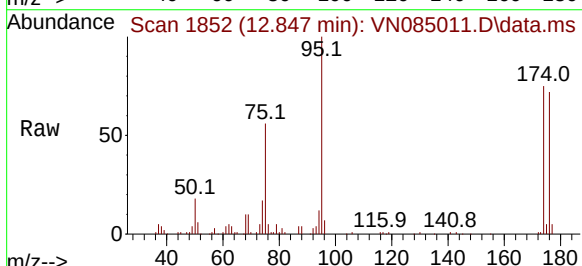
Tgt Ion: 75 Resp: 56422

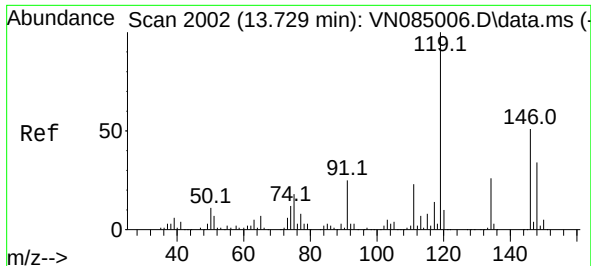
Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.4#

89 0.0 37.9 56.9#





#87

1,3-Dichlorobenzene

Concen: 0.283 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN085011.D

Acq: 22 Nov 2024 14:09

Instrument :

MSVOA_N

ClientSampleId :

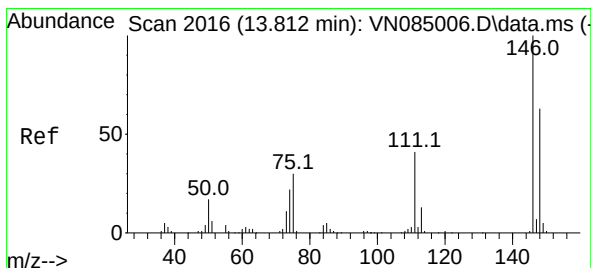
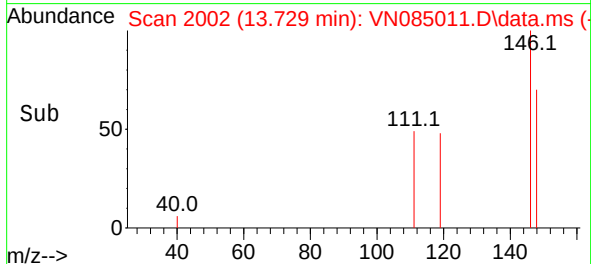
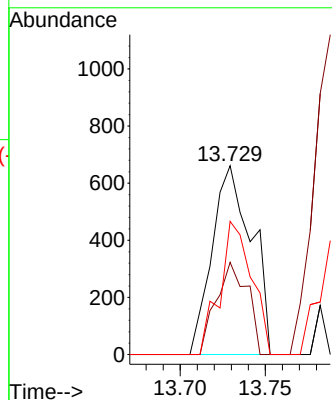
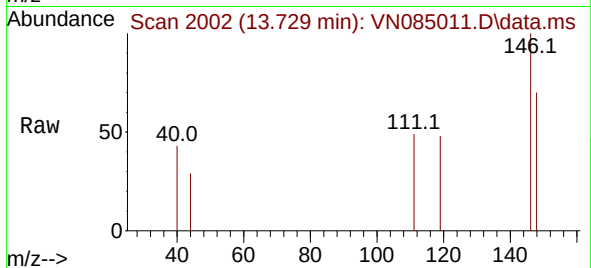
Tgt Ion:146 Resp: 1067

Ion Ratio Lower Upper

146 100

111 38.5 21.6 65.0

148 57.0 32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 0.277 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.082 min

Lab File: VN085011.D

Acq: 22 Nov 2024 14:09

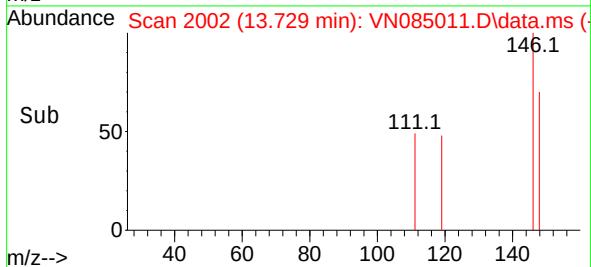
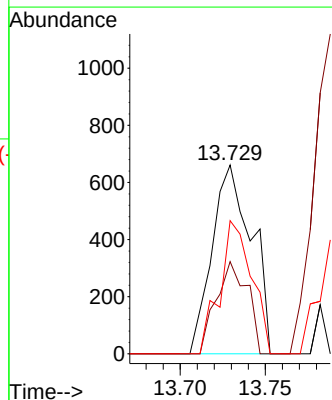
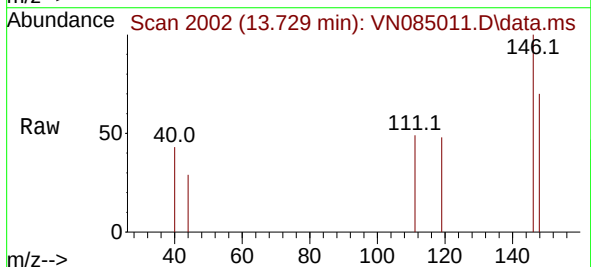
Tgt Ion:146 Resp: 1067

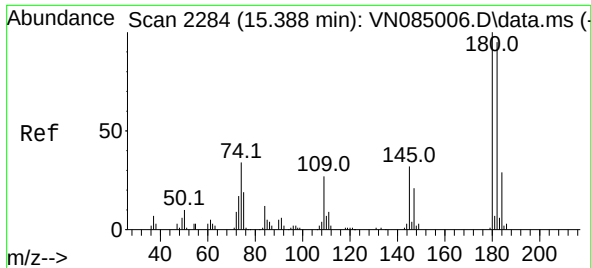
Ion Ratio Lower Upper

146 100

111 38.5 20.9 62.8

148 57.0 31.3 93.9





#93

1,2,4-Trichlorobenzene

Concen: 0.376 ug/l

RT: 15.406 min Scan# 21

Delta R.T. 0.018 min

Lab File: VN085011.D

Acq: 22 Nov 2024 14:09

Instrument :

MSVOA_N

ClientSampleId :

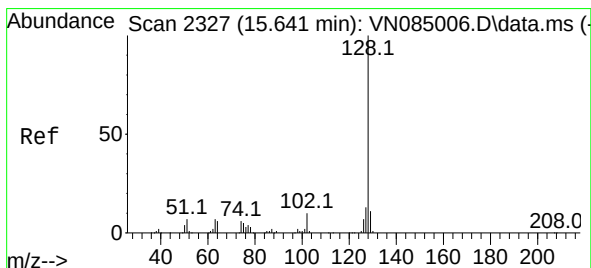
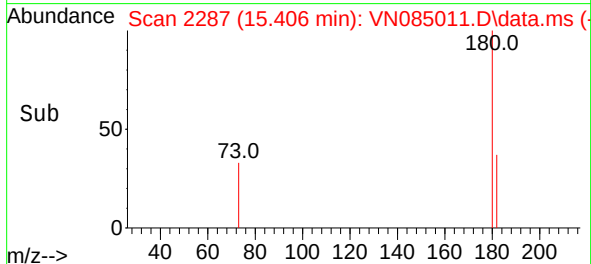
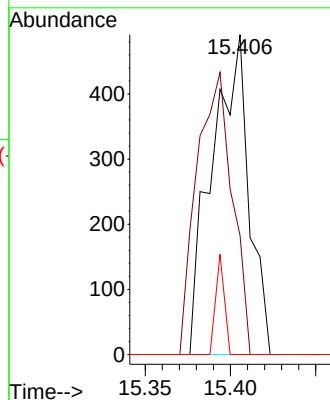
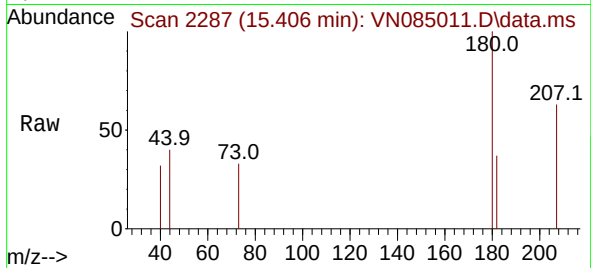
Tgt Ion:180 Resp: 738

Ion Ratio Lower Upper

180 100

182 84.6 46.9 140.8

145 7.3 16.3 48.8#



#95

Naphthalene

Concen: 0.328 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.006 min

Lab File: VN085011.D

Acq: 22 Nov 2024 14:09

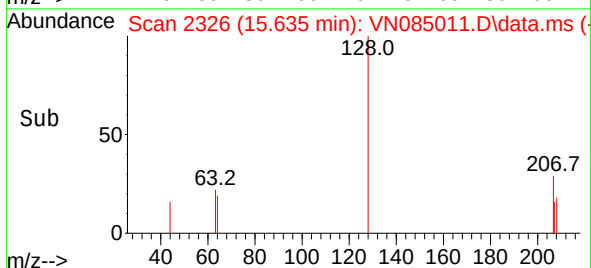
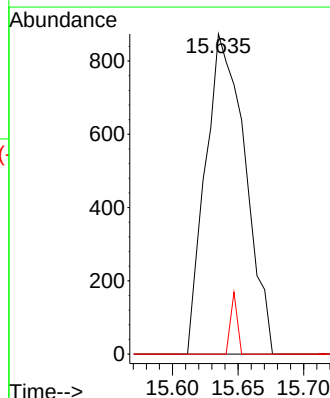
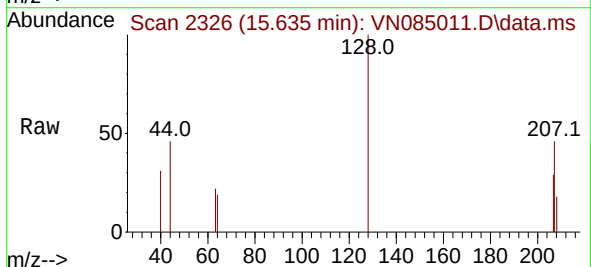
Tgt Ion:128 Resp: 1833

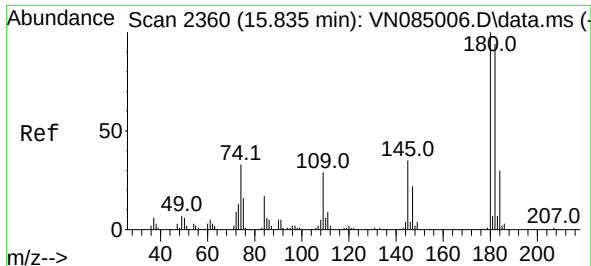
Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 3.3 8.6 12.8#





#96

1,2,3-Trichlorobenzene

Concen: 0.208 ug/l

RT: 15.835 min Scan# 24

Delta R.T. -0.000 min

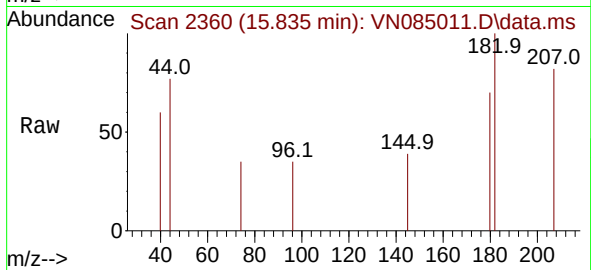
Lab File: VN085011.D

Acq: 22 Nov 2024 14:09

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 389

Ion Ratio Lower Upper

180 100

182 115.9 46.4 139.2

145 37.0 17.3 52.0

