

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
 Data File : VN085191.D
 Acq On : 13 Dec 2024 12:53
 Operator : JC\MD
 Sample : VN1213WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 13 23:30:58 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)

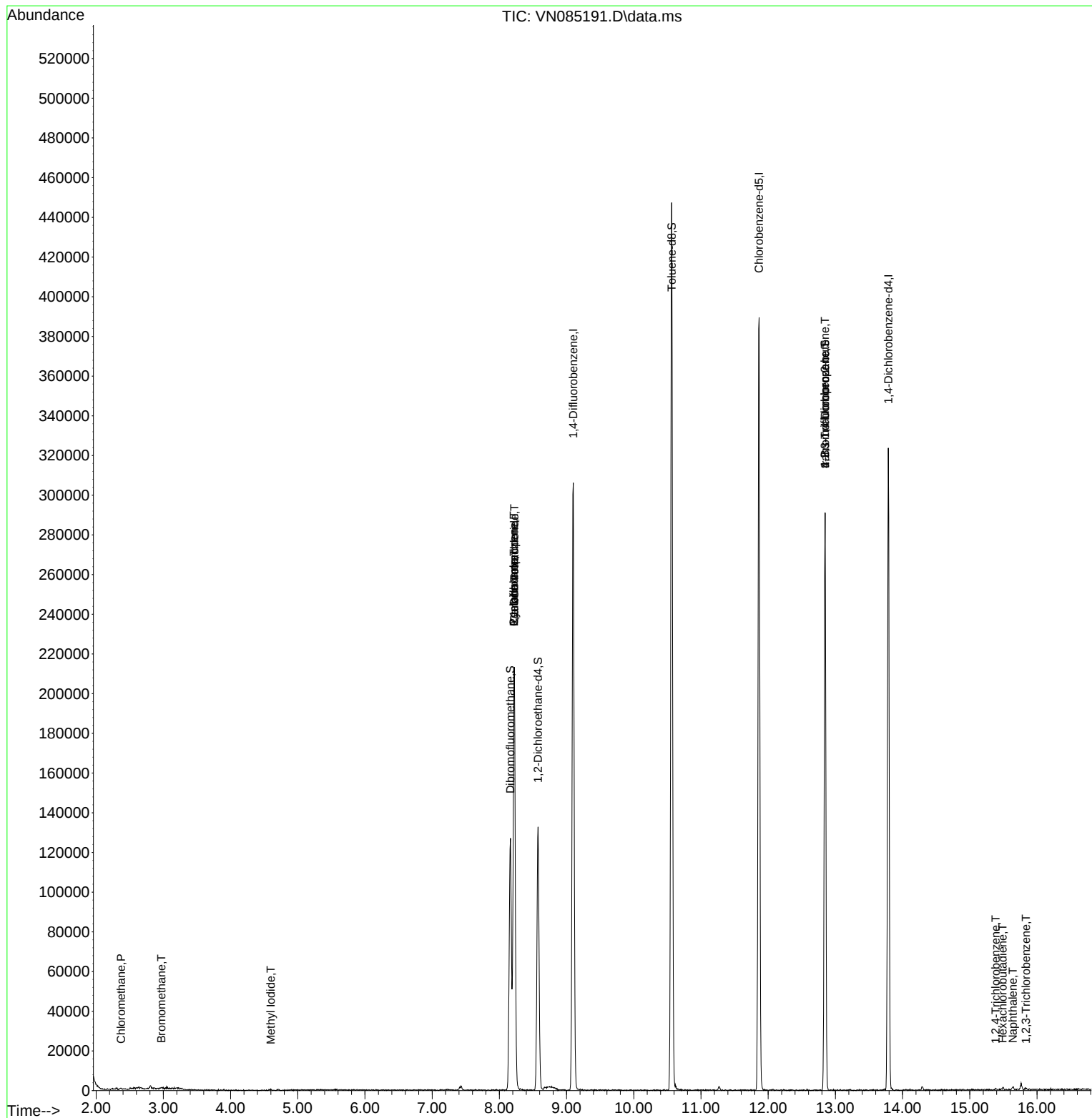
Internal Standards						
1) Pentafluorobenzene	8.218	168	151380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	264382	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	226403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	89452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	109015	50.557	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.120%			
35) Dibromofluoromethane	8.165	113	89196	50.029	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.060%			
50) Toluene-d8	10.565	98	310576	48.607	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.220%			
62) 4-Bromofluorobenzene	12.847	95	100184	41.927	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 83.860%			
Target Compounds						Qvalue
3) Chloromethane	2.371	50	418	0.211	ug/l #	40
5) Bromomethane	2.971	94	654	0.654	ug/l #	62
10) Methyl Iodide	4.600	142	836	0.367	ug/l #	39
31) Cyclohexane	8.218	56	3529	1.229	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	12876	5.332	ug/l #	50
38) Carbon Tetrachloride	8.224	117	16411	5.887	ug/l #	16
76) 1,2,3-Trichloropropane	12.847	75	53879	33.114	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	53879	73.102	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.388	180	390	0.224	ug/l #	67
94) Hexachlorobutadiene	15.488	225	378	0.470	ug/l	79
95) Naphthalene	15.641	128	1802	0.363	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.835	180	452	0.272	ug/l #	64

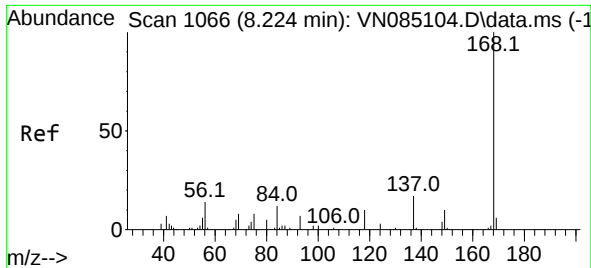
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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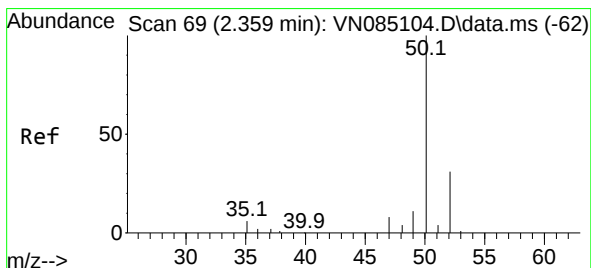
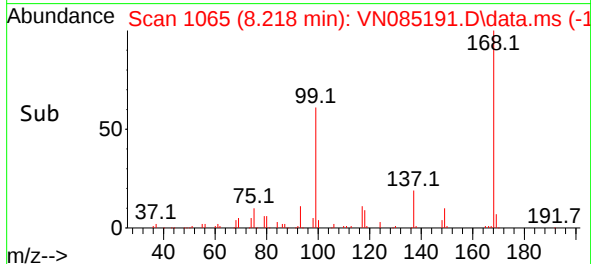
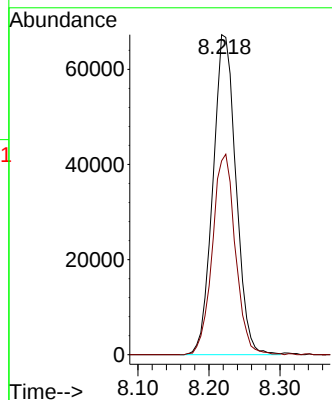
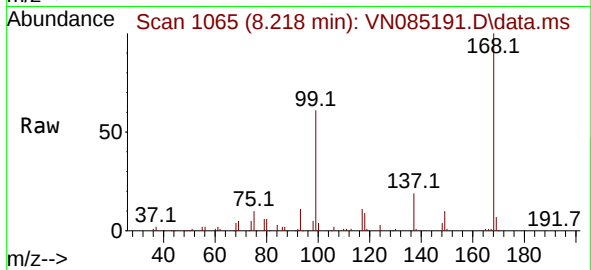




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085191.D
Acq: 13 Dec 2024 12:53

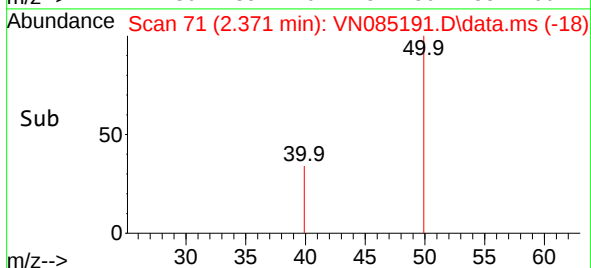
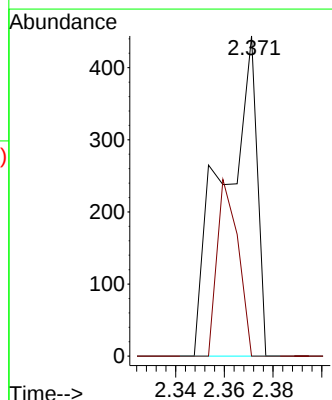
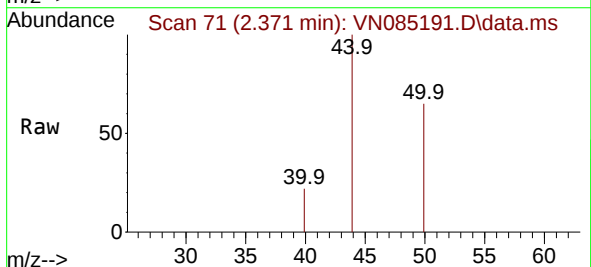
Instrument :
MSVOA_N
ClientSampleId :

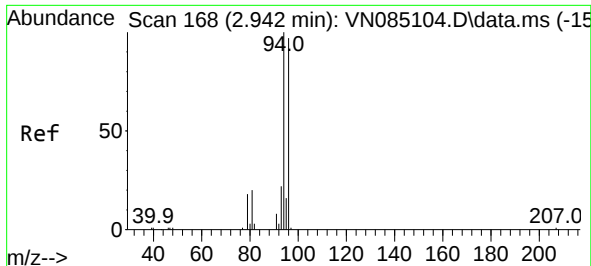
Tgt Ion:168 Resp: 151380
Ion Ratio Lower Upper
168 100
99 60.6 51.2 76.8



#3
Chloromethane
Concen: 0.211 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN085191.D
Acq: 13 Dec 2024 12:53

Tgt Ion: 50 Resp: 418
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

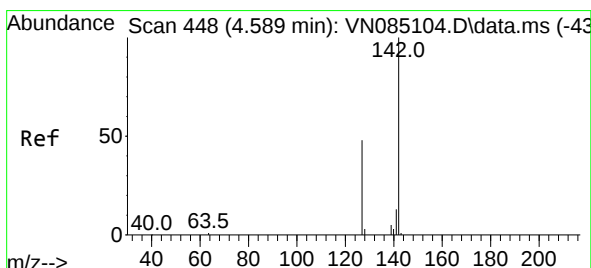
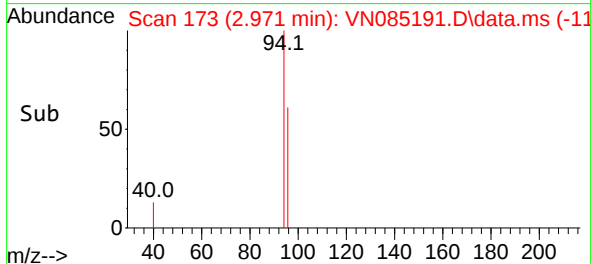
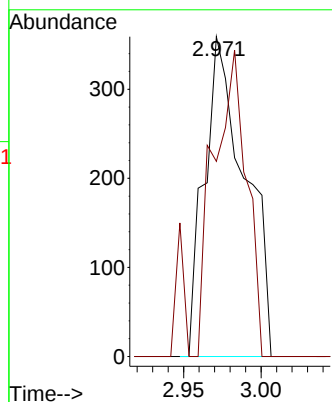
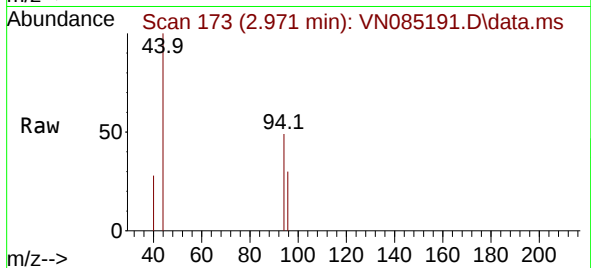




#5
Bromomethane
Concen: 0.654 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.070 min
Lab File: VN085191.D
Acq: 13 Dec 2024 12:53

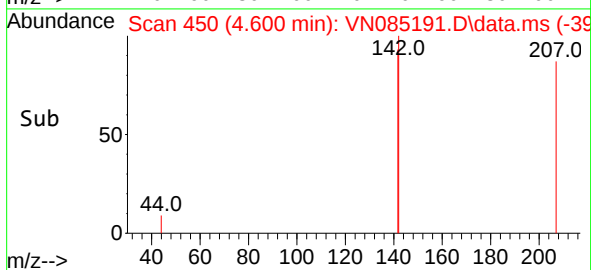
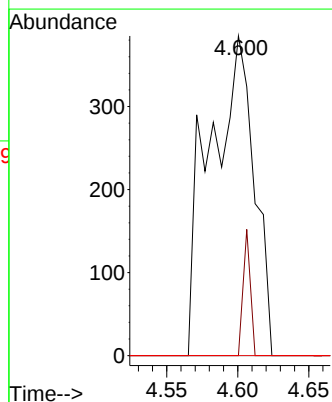
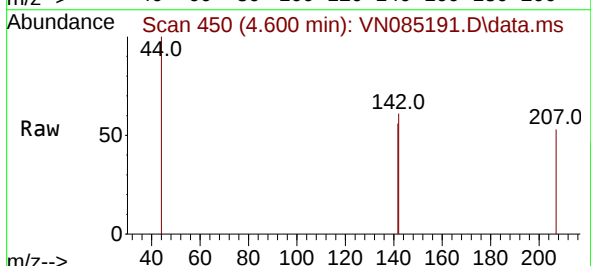
Instrument :
MSVOA_N
ClientSampleId :

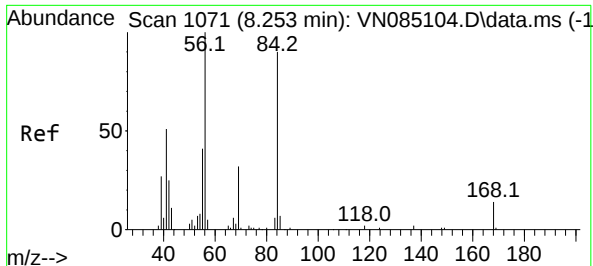
Tgt Ion: 94 Resp: 654
Ion Ratio Lower Upper
94 100
96 61.0 78.7 118.1#



#10
Methyl Iodide
Concen: 0.367 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.029 min
Lab File: VN085191.D
Acq: 13 Dec 2024 12:53

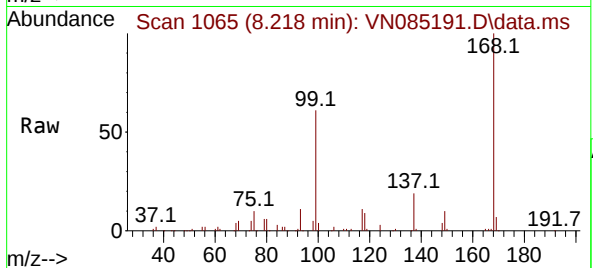
Tgt Ion: 142 Resp: 836
Ion Ratio Lower Upper
142 100
127 0.0 36.6 54.8#
141 0.0 12.2 18.4#



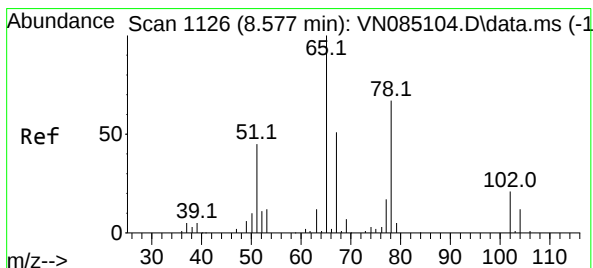
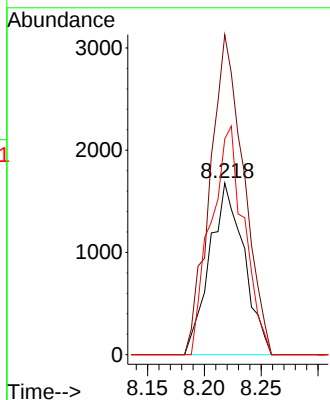
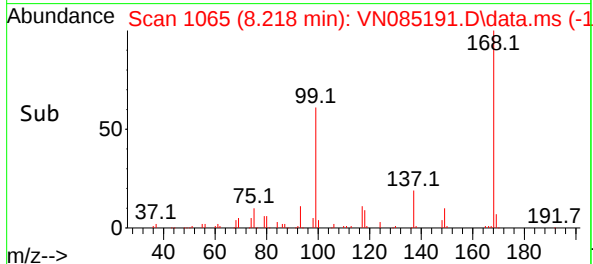


#31
Cyclohexane
Concen: 1.229 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085191.D
Acq: 13 Dec 2024 12:53

Instrument :
MSVOA_N
ClientSampleId :

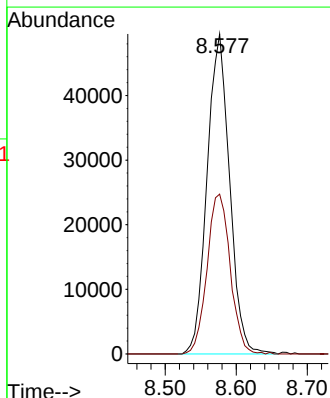
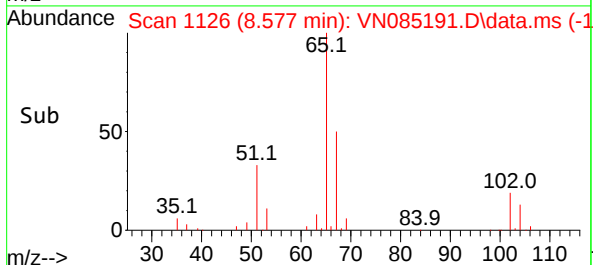
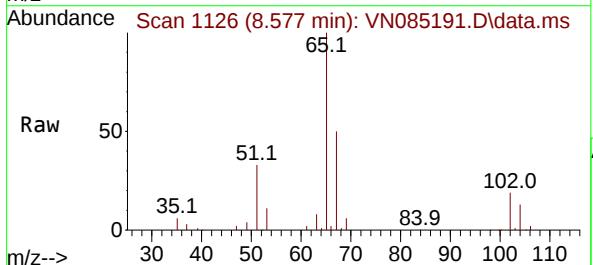


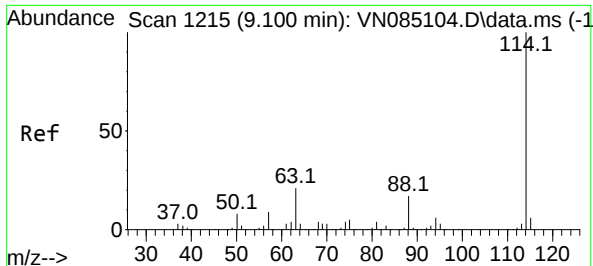
Tgt Ion: 56 Resp: 3529
Ion Ratio Lower Upper
56 100
69 186.3 24.6 36.8#
84 125.5 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 50.557 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085191.D
Acq: 13 Dec 2024 12:53

Tgt Ion: 65 Resp: 109015
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085191.D

Acq: 13 Dec 2024 12:53

Instrument :

MSVOA_N

ClientSampleId :

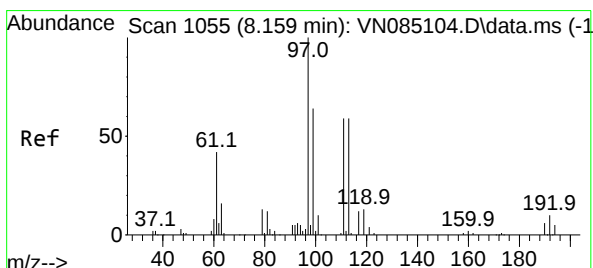
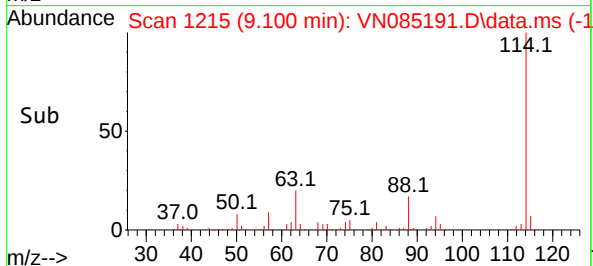
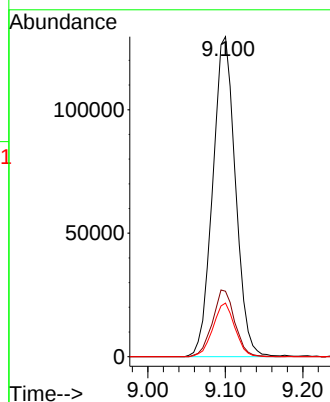
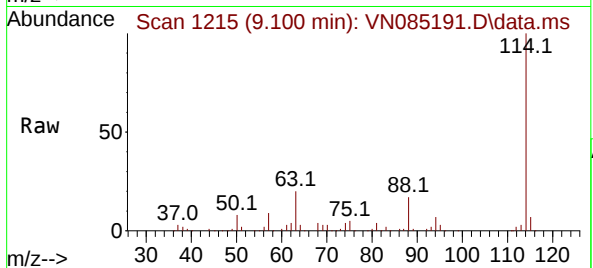
Tgt Ion:114 Resp: 264382

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.0

88 16.7 0.0 34.8



#35

Dibromofluoromethane

Concen: 50.029 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085191.D

Acq: 13 Dec 2024 12:53

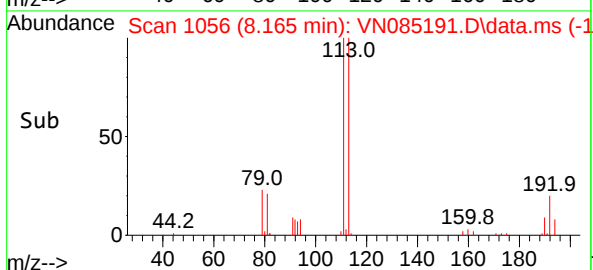
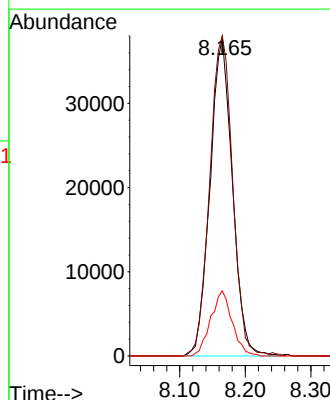
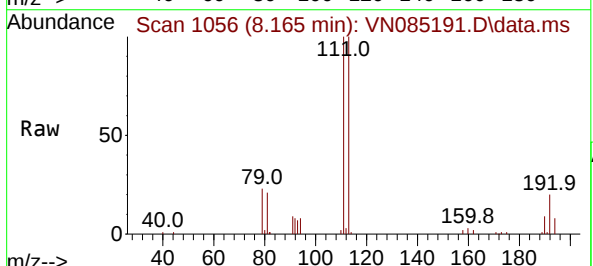
Tgt Ion:113 Resp: 89196

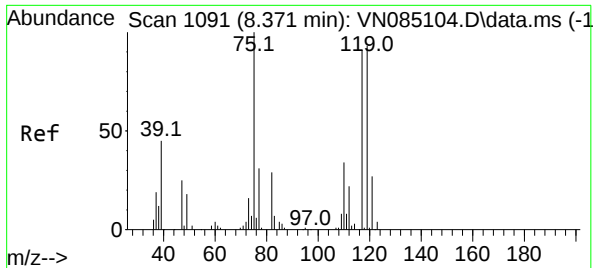
Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

192 19.7 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.332 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085191.D

Acq: 13 Dec 2024 12:53

Instrument :

MSVOA_N

ClientSampleId :

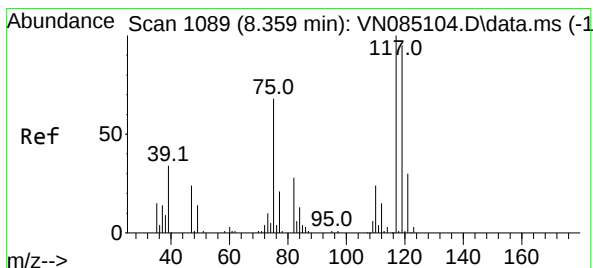
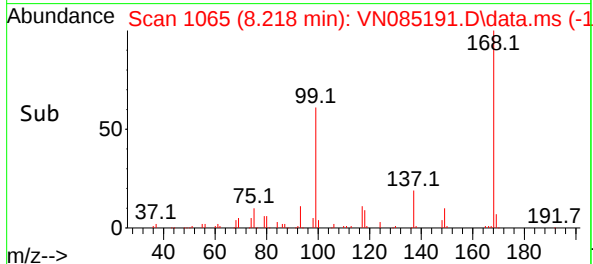
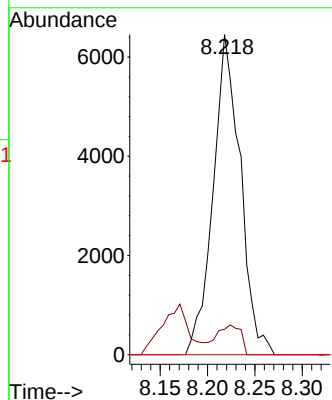
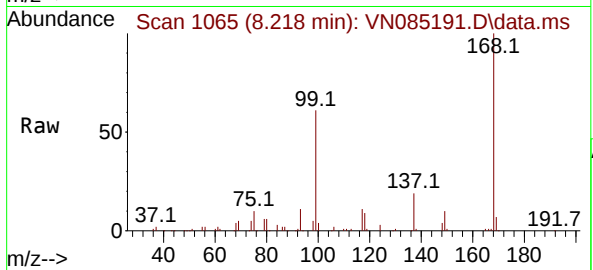
Tgt Ion: 75 Resp: 12876

Ion Ratio Lower Upper

75 100

110 8.7 17.2 51.6#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 5.887 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.130 min

Lab File: VN085191.D

Acq: 13 Dec 2024 12:53

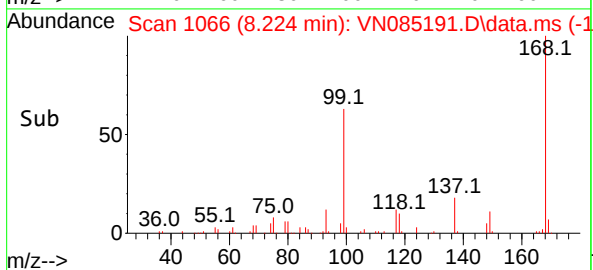
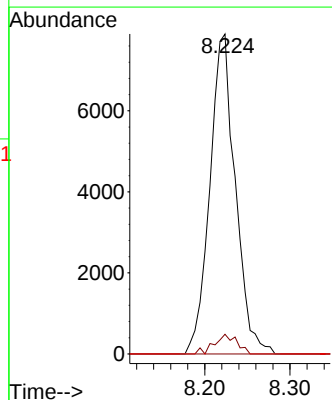
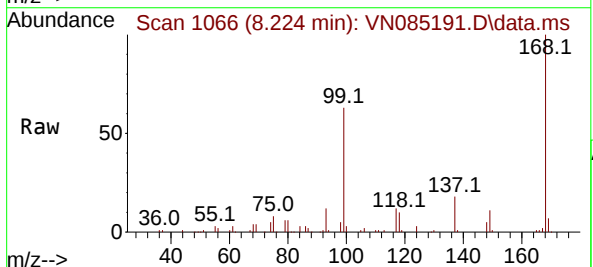
Tgt Ion: 117 Resp: 16411

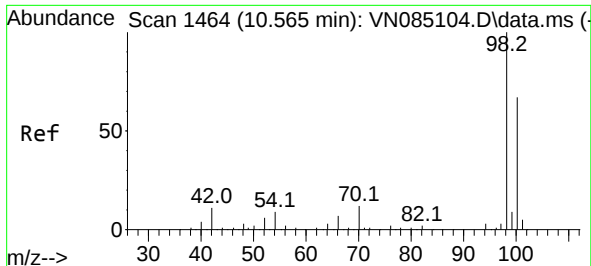
Ion Ratio Lower Upper

117 100

119 6.2 78.6 117.8#

121 0.0 24.2 36.2#

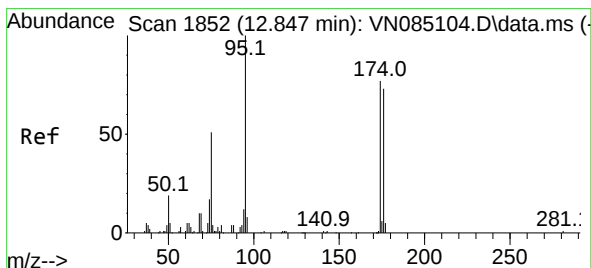
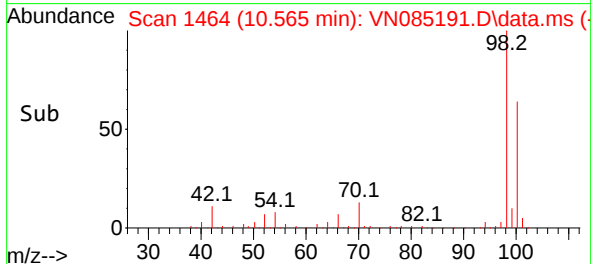
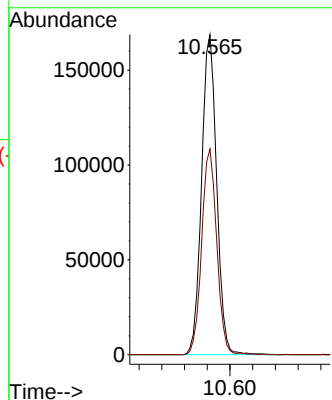
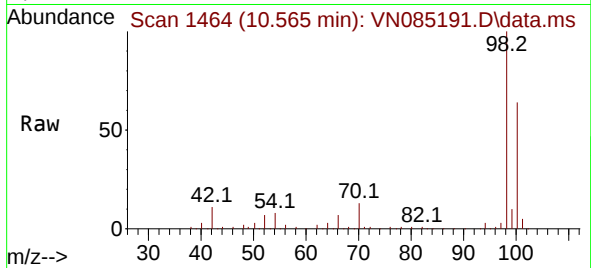




#50
Toluene-d8
Concen: 48.607 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085191.D
Acq: 13 Dec 2024 12:53

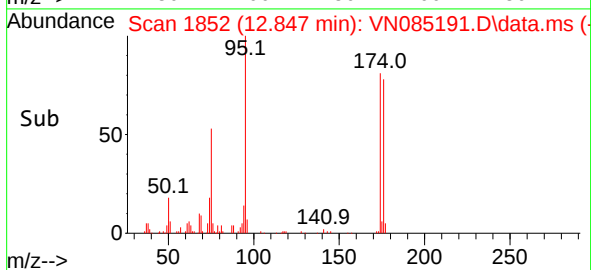
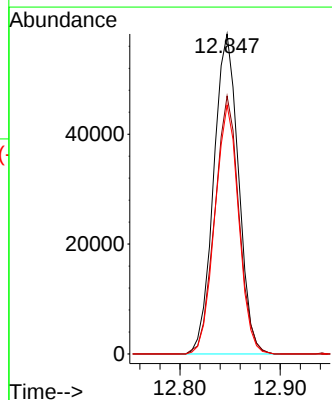
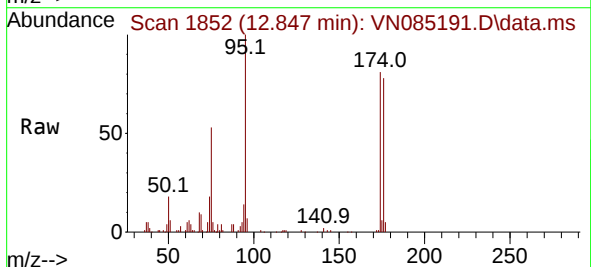
Instrument :
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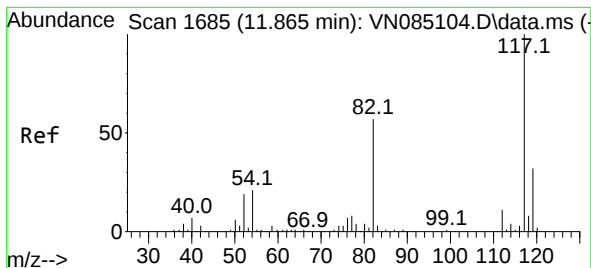
Tgt Ion: 98 Resp: 310576
Ion Ratio Lower Upper
98 100
100 64.3 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 41.927 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085191.D
Acq: 13 Dec 2024 12:53

Tgt Ion: 95 Resp: 100184
Ion Ratio Lower Upper
95 100
174 78.6 0.0 146.6
176 74.6 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: VN085191.D

Acq: 13 Dec 2024 12:53

Instrument :

MSVOA_N

ClientSampleId :

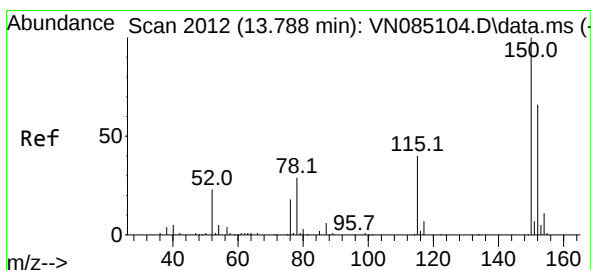
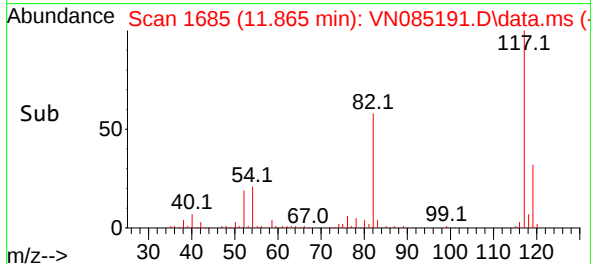
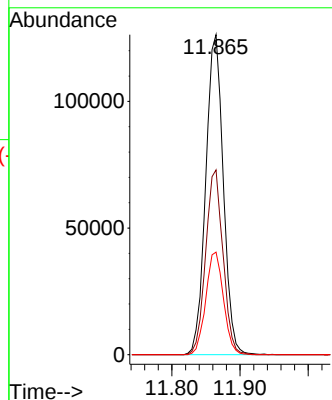
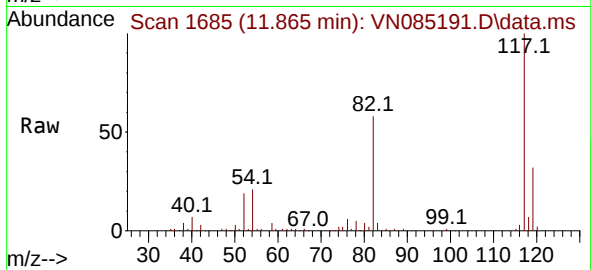
Tgt Ion:117 Resp: 226403

Ion Ratio Lower Upper

117 100

82 57.8 46.0 69.0

119 32.0 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: VN085191.D

Acq: 13 Dec 2024 12:53

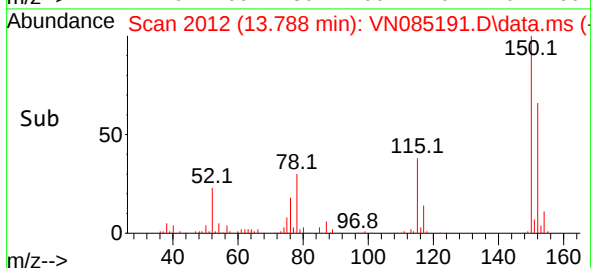
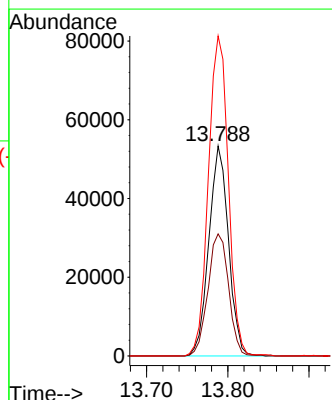
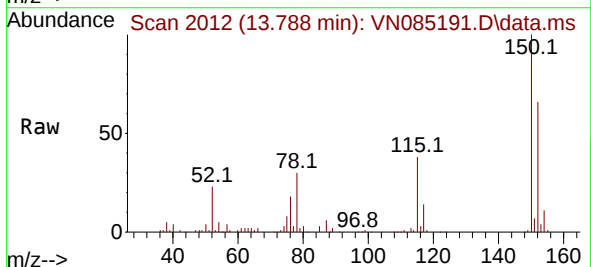
Tgt Ion:152 Resp: 89452

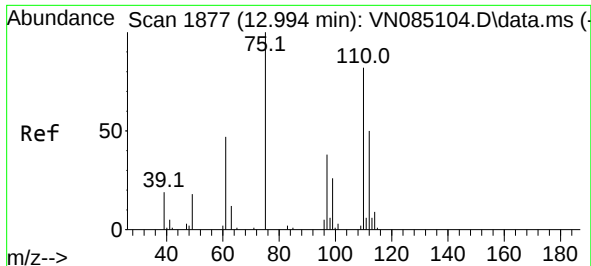
Ion Ratio Lower Upper

152 100

115 61.3 31.7 95.1

150 155.1 0.0 351.4

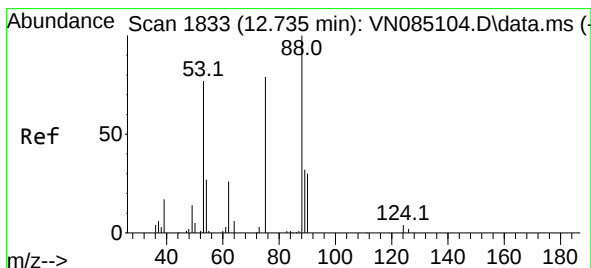
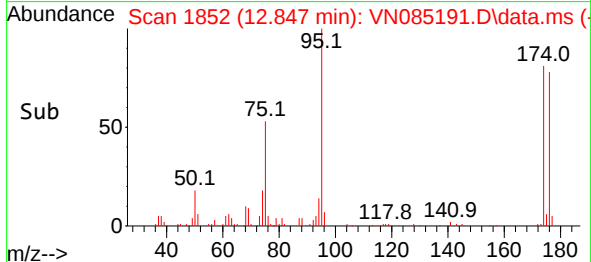
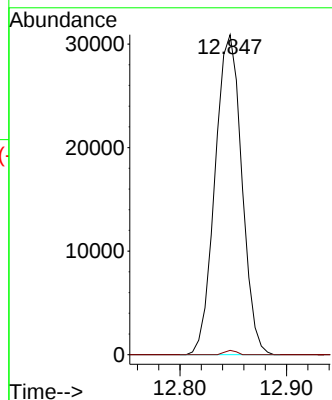
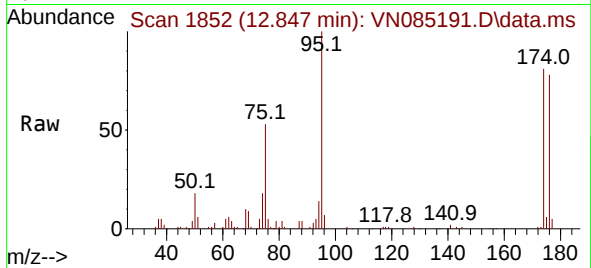




#76
1,2,3-Trichloropropane
Concen: 33.114 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085191.D
Acq: 13 Dec 2024 12:53

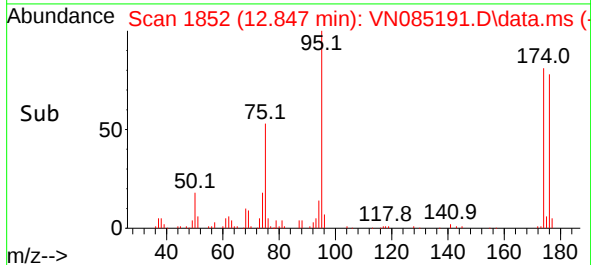
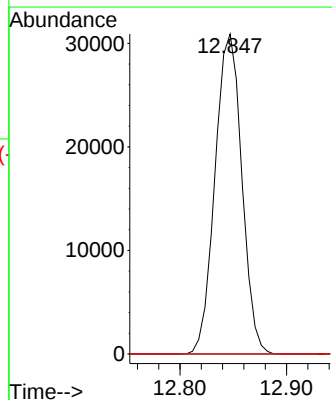
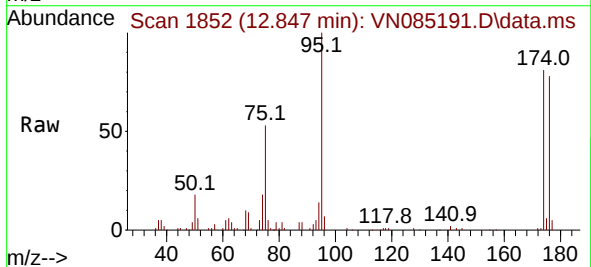
Instrument :
MSVOA_N
ClientSampleId :

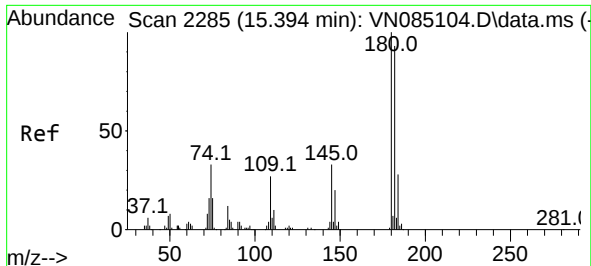
Tgt Ion: 75 Resp: 53879
Ion Ratio Lower Upper
75 100
77 0.6 109.1 327.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.102 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085191.D
Acq: 13 Dec 2024 12:53

Tgt Ion: 75 Resp: 53879
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: 0.224 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.000 min MSVOA_N

Lab File: VN085191.D

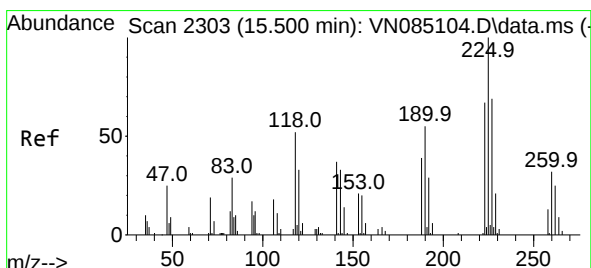
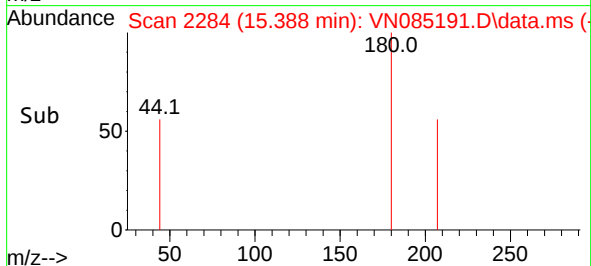
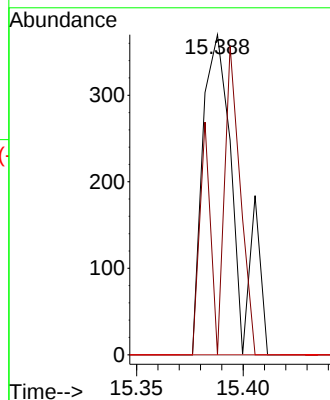
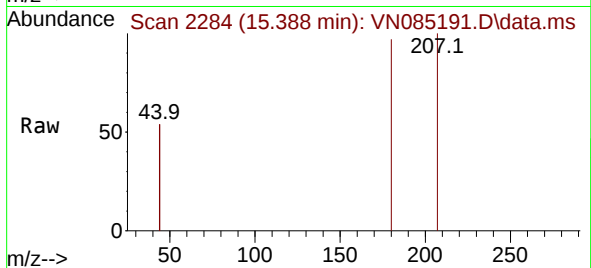
Acq: 13 Dec 2024 12:53

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:180	Resp:	390
Ion Ratio	Lower	Upper
180	100	
182	70.8	46.9 140.8
145	0.0	16.3 48.8#



#94

Hexachlorobutadiene

Concen: 0.470 ug/l

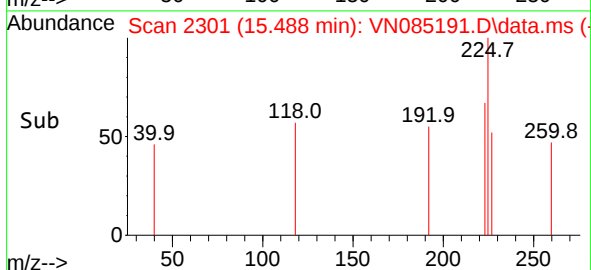
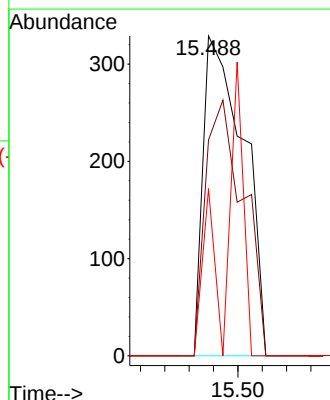
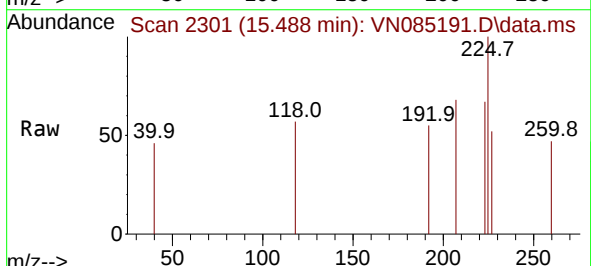
RT: 15.488 min Scan# 2301

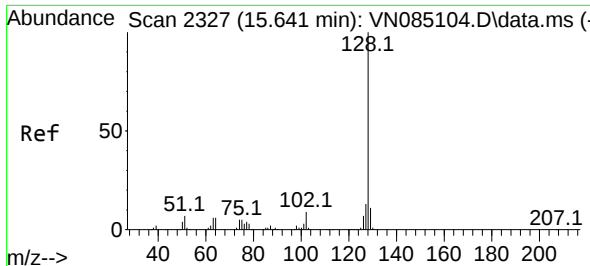
Delta R.T. -0.012 min

Lab File: VN085191.D

Acq: 13 Dec 2024 12:53

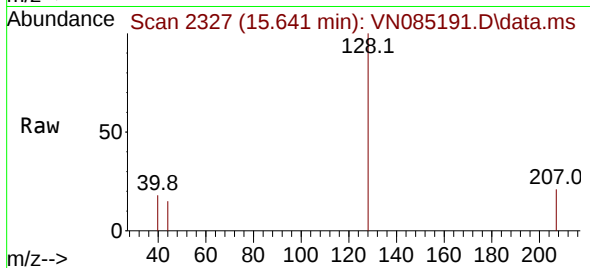
Tgt Ion:225	Resp:	378
Ion Ratio	Lower	Upper
225	100	
223	75.7	30.9 92.8
227	44.2	31.5 94.5



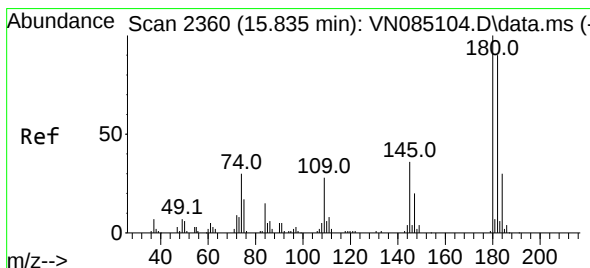
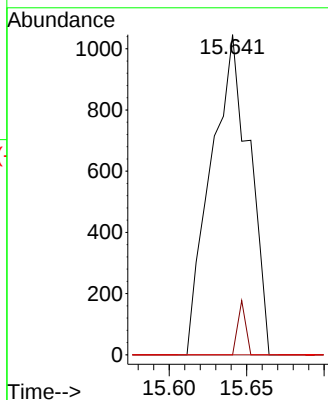
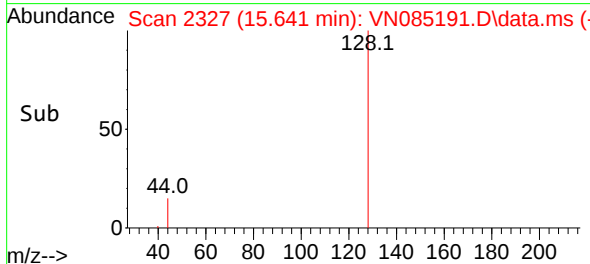


#95
Naphthalene
Concen: 0.363 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN085191.D
Acq: 13 Dec 2024 12:53

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 1802
Ion Ratio Lower Upper
128 100
127 3.4 10.6 16.0#
129 0.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.272 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085191.D
Acq: 13 Dec 2024 12:53

Tgt Ion:180 Resp: 452
Ion Ratio Lower Upper
180 100
182 59.7 46.4 139.2
145 12.4 17.3 52.0#

