

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051325\
 Data File : VN086592.D
 Acq On : 13 May 2025 11:21
 Operator : JC\MD
 Sample : VN0513WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBL01

Quant Time: May 14 01:39:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

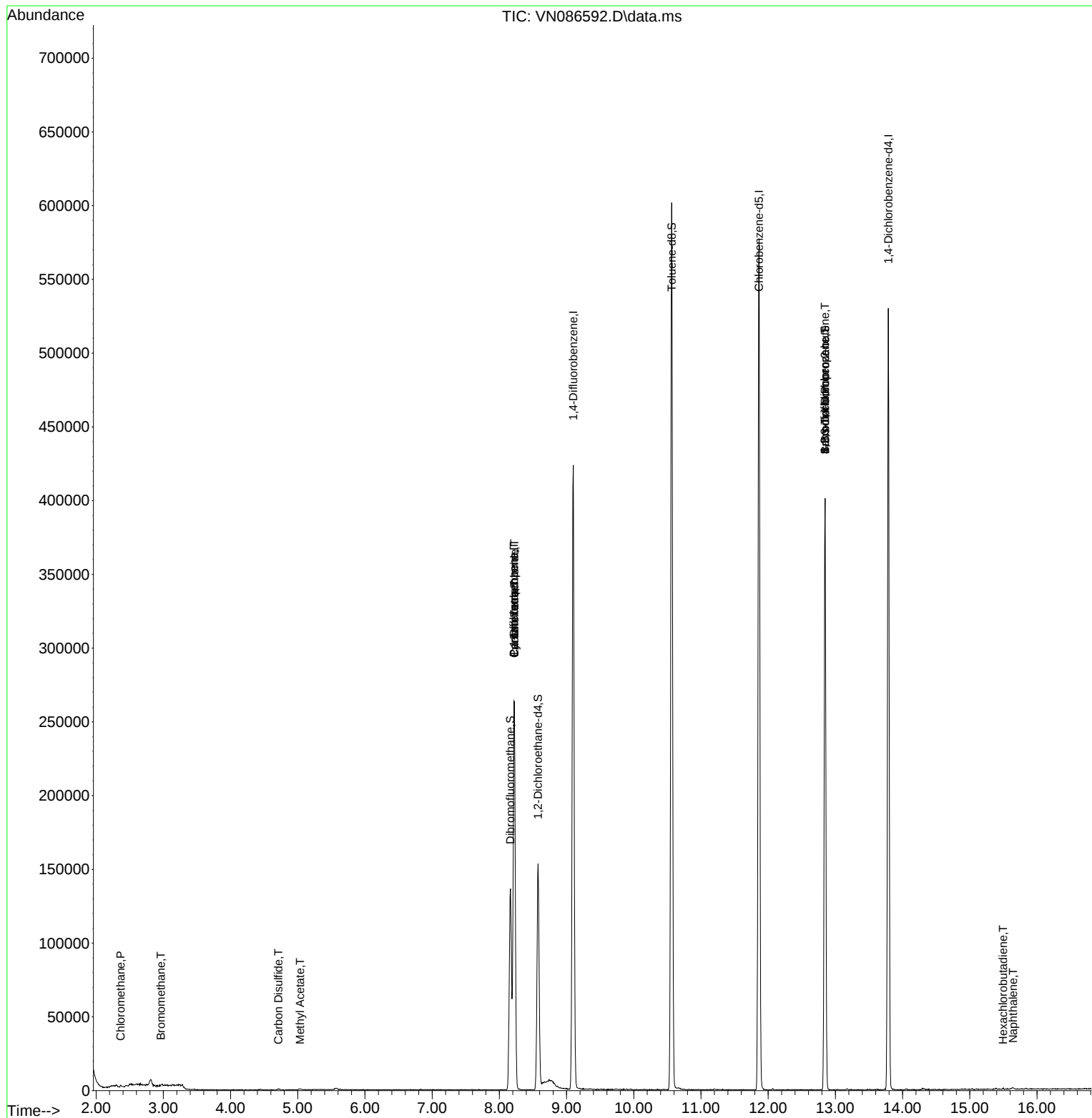
Internal Standards						
1) Pentafluorobenzene	8.218	168	198218	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	375552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	347900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	143659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	125384	43.622	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.240%		
35) Dibromofluoromethane	8.165	113	101024	57.960	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	115.920%		
50) Toluene-d8	10.565	98	427083	45.847	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.700%		
62) 4-Bromofluorobenzene	12.847	95	146859	43.223	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	86.440%		
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	1109	0.325	ug/l	95
5) Bromomethane	2.965	94	562	0.383	ug/l #	66
13) Acrolein	4.171	56	54	Below Cal	#	13
16) Acetone	4.436	43	1132	Below Cal	#	43
17) Carbon Disulfide	4.712	76	1569	0.225	ug/l #	74
18) Methyl Acetate	5.036	43	1322	0.383	ug/l #	51
31) Cyclohexane	8.224	56	4316	0.927	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	16026	4.603	ug/l #	48
38) Carbon Tetrachloride	8.224	117	20253	6.109	ug/l #	16
43) Isopropyl Acetate	8.665	43	5637	Below Cal	#	55
71) Bromoform	12.847	173	682	0.354	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	74082	21.852	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74082	52.481	ug/l #	10
94) Hexachlorobutadiene	15.494	225	238	0.277	ug/l #	55
95) Naphthalene	15.647	128	1849	0.230	ug/l #	77

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

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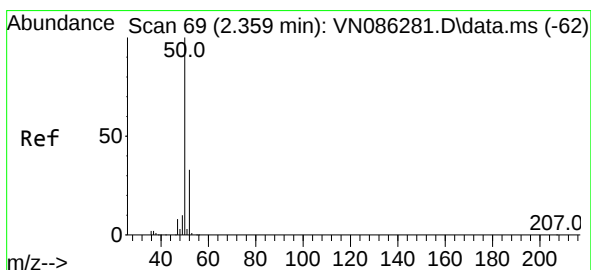
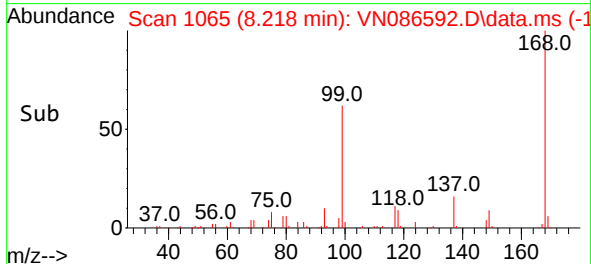
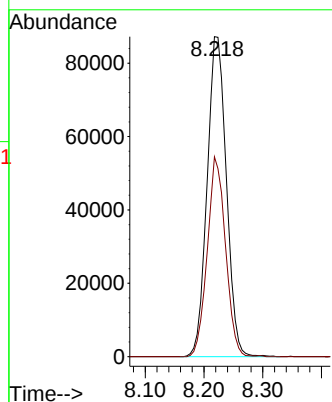
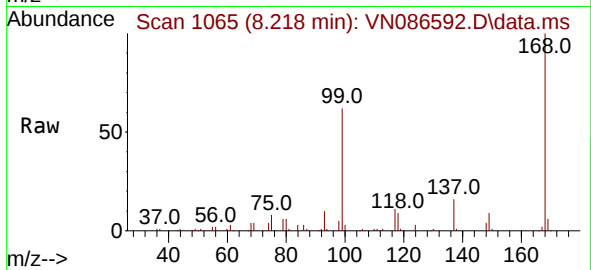




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN086592.D
Acq: 13 May 2025 11:21

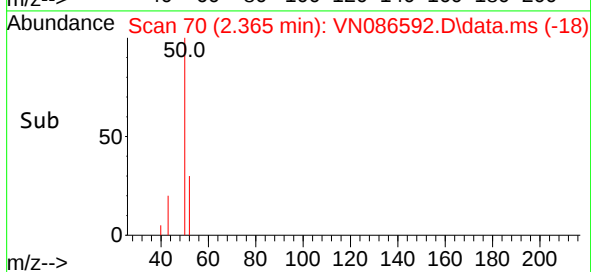
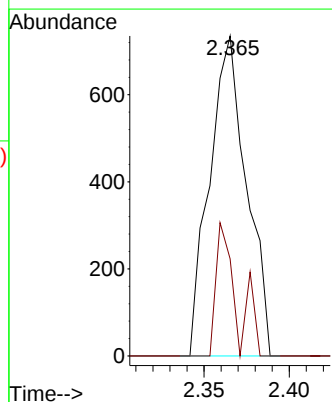
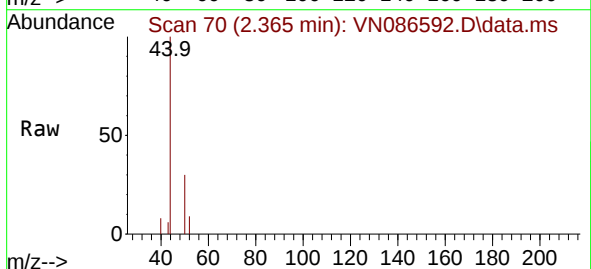
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBL01

Tgt Ion:168 Resp: 198218
Ion Ratio Lower Upper
168 100
99 62.5 52.5 78.7



#3
Chloromethane
Concen: 0.325 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086592.D
Acq: 13 May 2025 11:21

Tgt Ion: 50 Resp: 1109
Ion Ratio Lower Upper
50 100
52 30.3 26.5 39.7

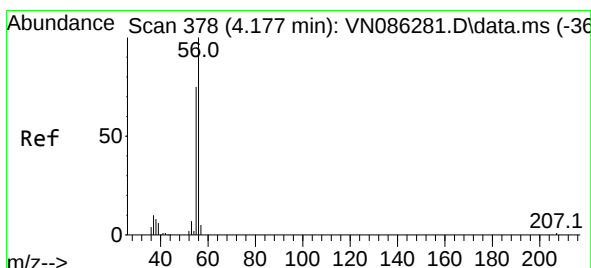
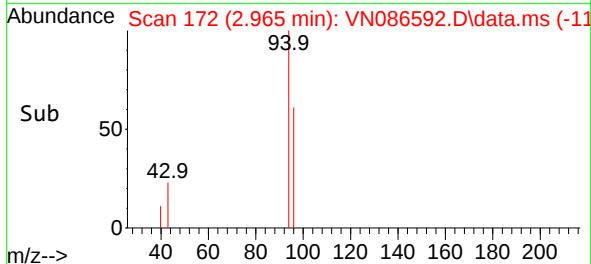
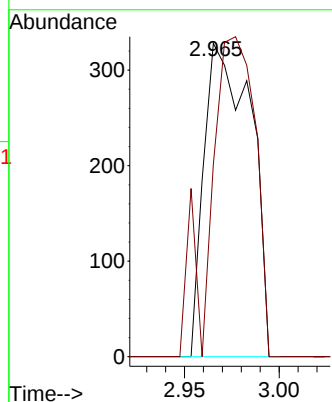
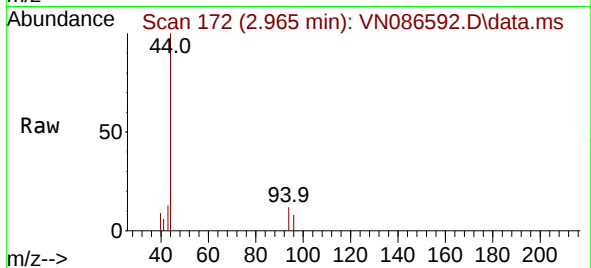




#5
Bromomethane
Concen: 0.383 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN086592.D
Acq: 13 May 2025 11:21

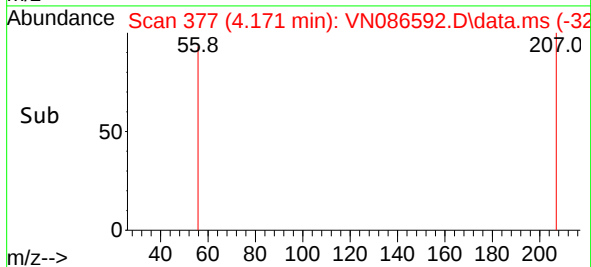
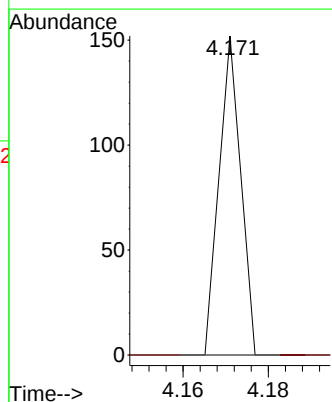
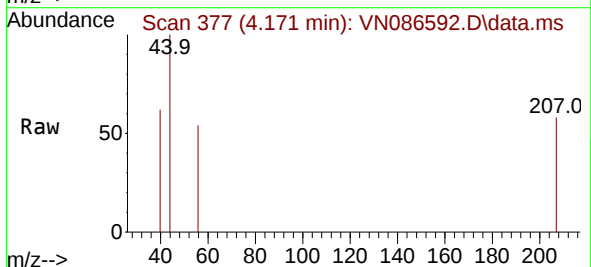
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBL01

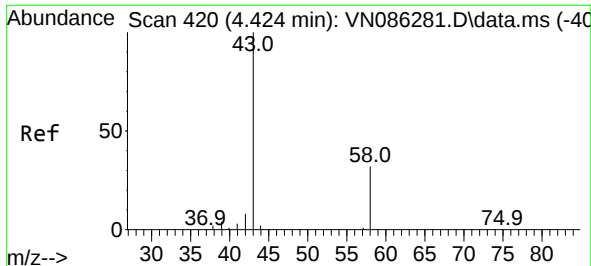
Tgt Ion: 94 Resp: 562
Ion Ratio Lower Upper
94 100
96 61.3 75.2 112.8#



#13
Acrolein
Concen: Below Cal
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN086592.D
Acq: 13 May 2025 11:21

Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 58.5 87.7#

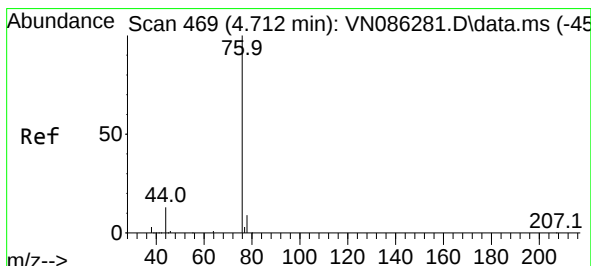
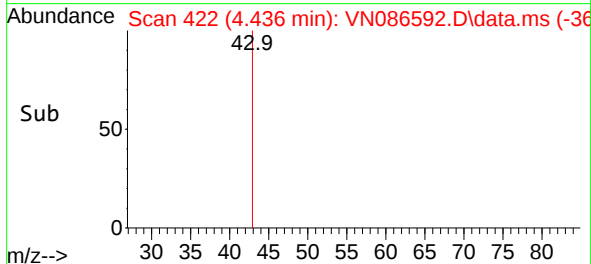
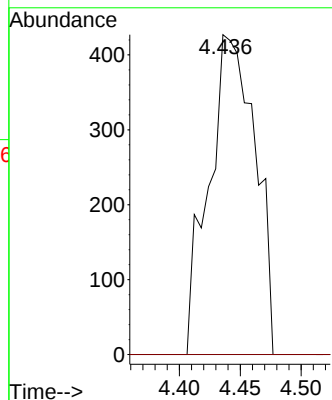
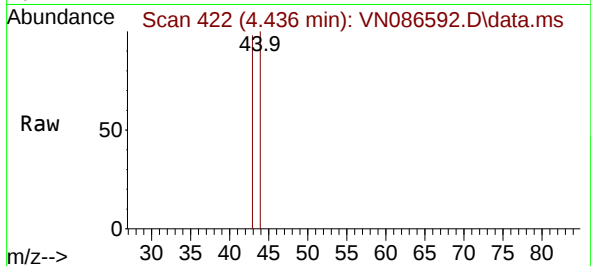




#16
Acetone
Concen: Below Cal
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN086592.D
Acq: 13 May 2025 11:21

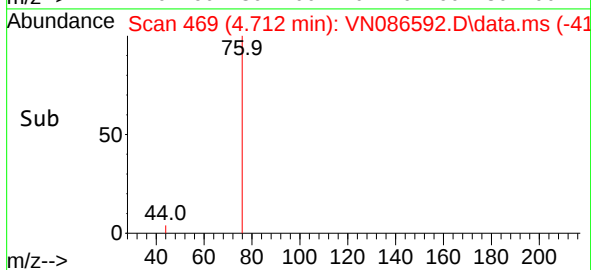
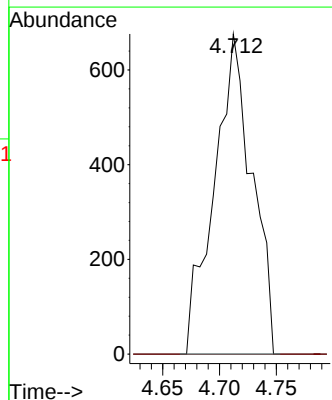
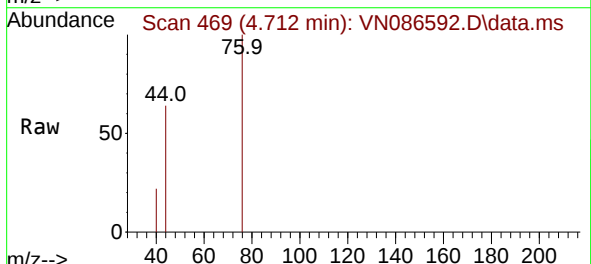
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBL01

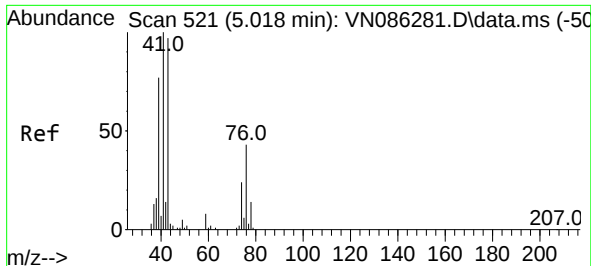
Tgt Ion: 43 Resp: 1132
Ion Ratio Lower Upper
43 100
58 0.0 25.3 37.9#



#17
Carbon Disulfide
Concen: 0.225 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN086592.D
Acq: 13 May 2025 11:21

Tgt Ion: 76 Resp: 1569
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#





#18

Methyl Acetate

Concen: 0.383 ug/l

RT: 5.036 min Scan# 51

Delta R.T. 0.018 min

Lab File: VN086592.D

Acq: 13 May 2025 11:21

Instrument :

MSVOA_N

ClientSampleId :

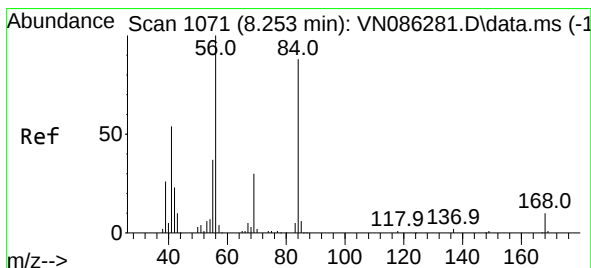
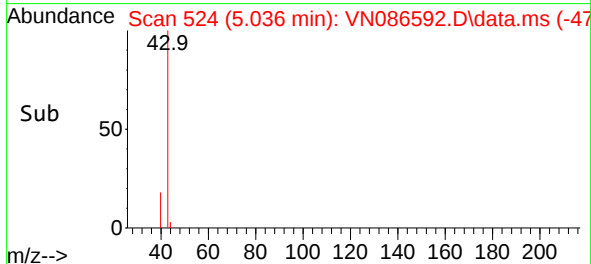
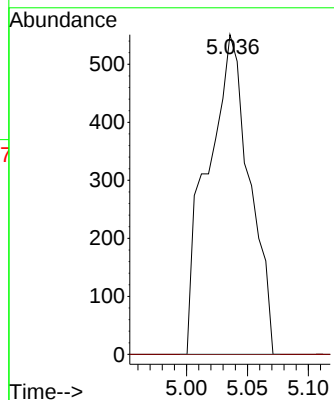
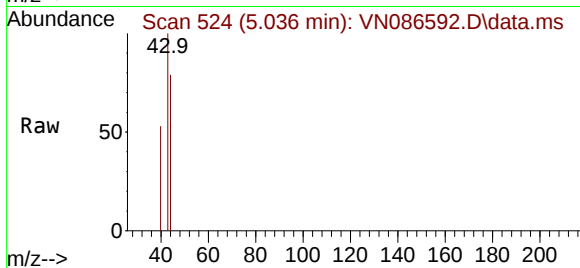
VN0513WBL01

Tgt Ion: 43 Resp: 1322

Ion Ratio Lower Upper

43 100

74 0.0 19.8 29.6#



#31

Cyclohexane

Concen: 0.927 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN086592.D

Acq: 13 May 2025 11:21

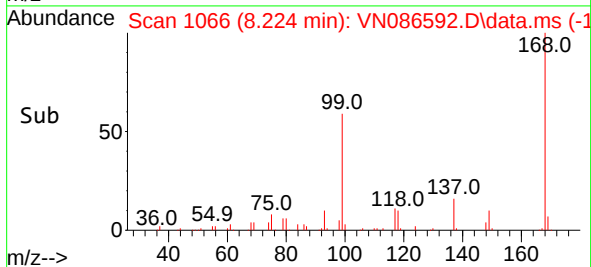
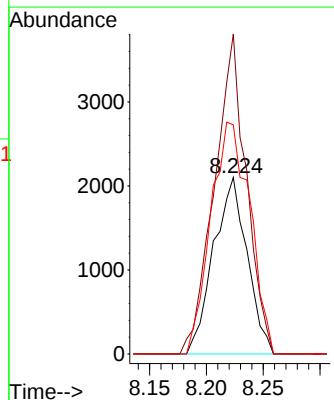
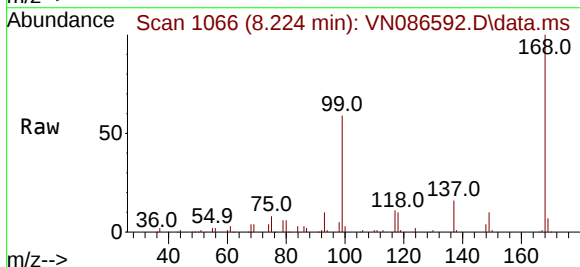
Tgt Ion: 56 Resp: 4316

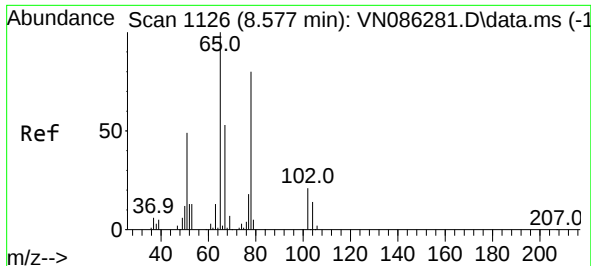
Ion Ratio Lower Upper

56 100

69 181.3 24.2 36.2#

84 129.8 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 43.622 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086592.D

Acq: 13 May 2025 11:21

Instrument :

MSVOA_N

ClientSampleId :

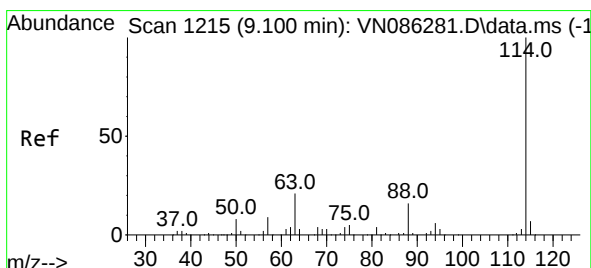
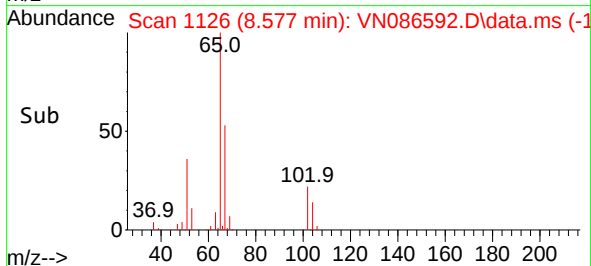
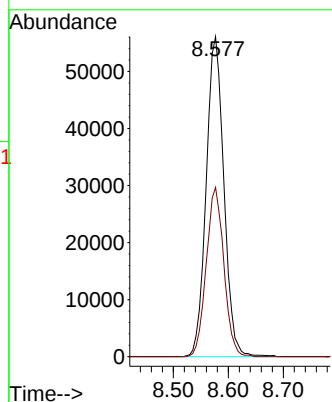
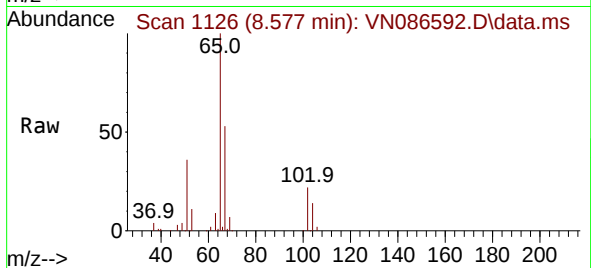
VN0513WBL01

Tgt Ion: 65 Resp: 125384

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086592.D

Acq: 13 May 2025 11:21

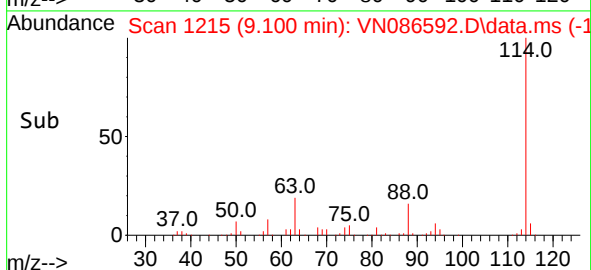
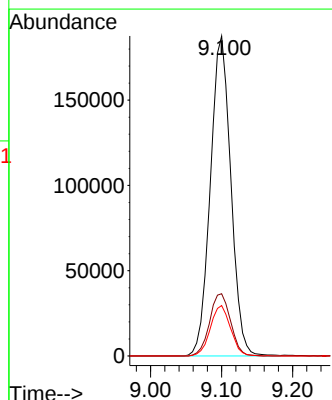
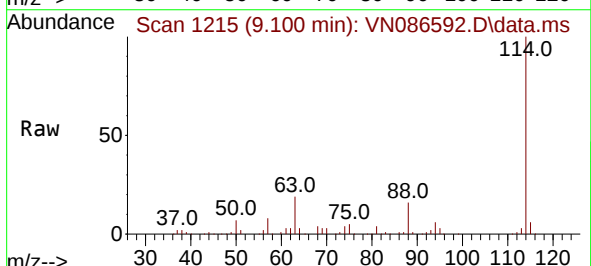
Tgt Ion: 114 Resp: 375552

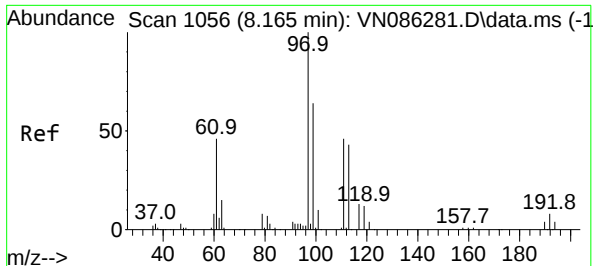
Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.6

88 15.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 57.960 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086592.D

Acq: 13 May 2025 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBL01

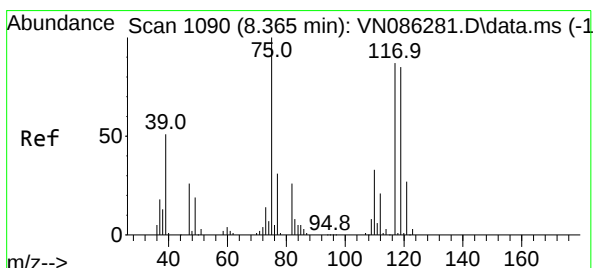
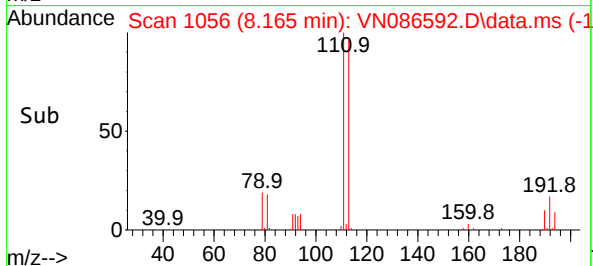
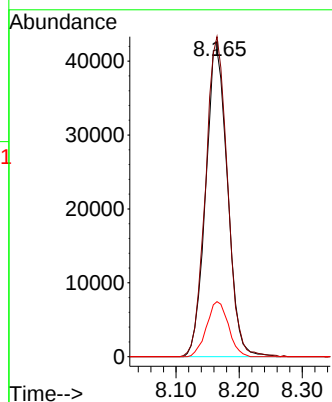
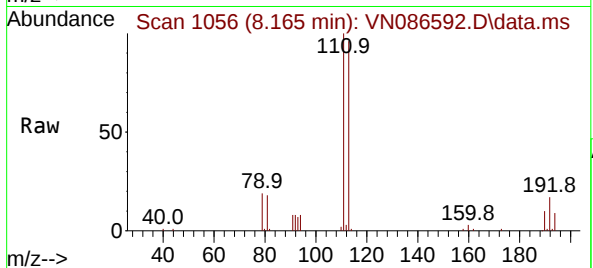
Tgt Ion:113 Resp: 101024

Ion Ratio Lower Upper

113 100

111 103.6 83.4 125.0

192 17.7 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.603 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086592.D

Acq: 13 May 2025 11:21

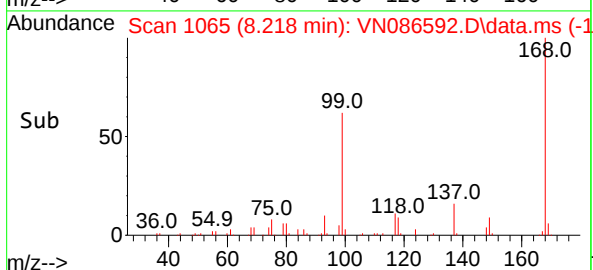
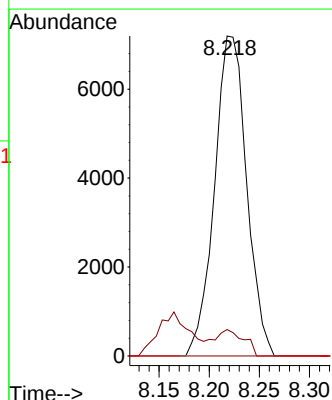
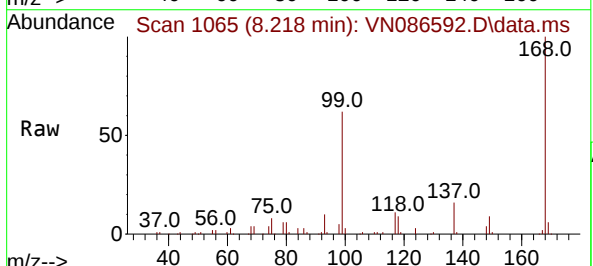
Tgt Ion: 75 Resp: 16026

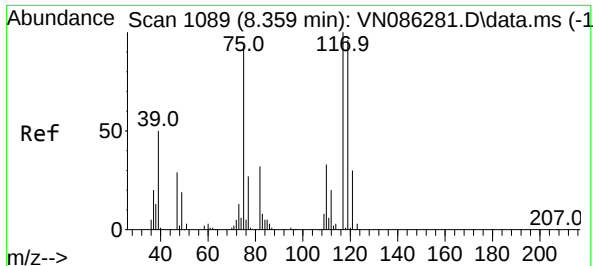
Ion Ratio Lower Upper

75 100

110 6.1 16.8 50.4#

77 0.0 24.9 37.3#

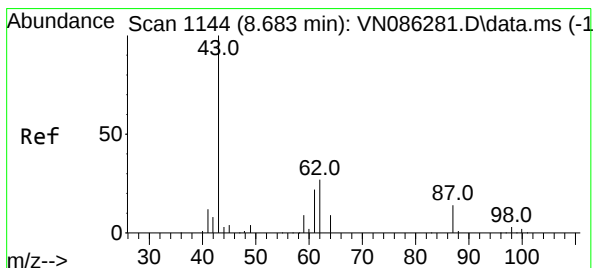
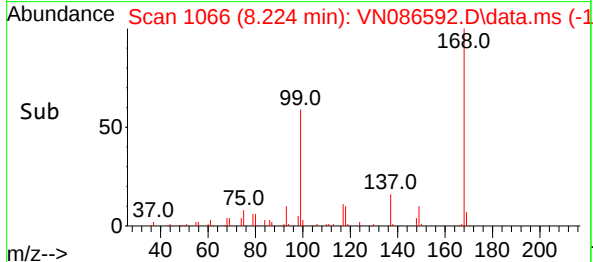
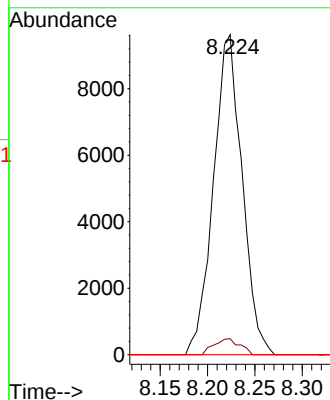
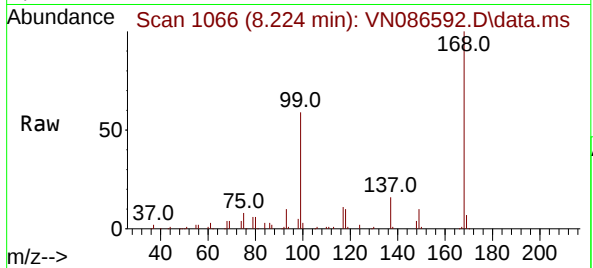




#38
Carbon Tetrachloride
Concen: 6.109 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN086592.D
Acq: 13 May 2025 11:21

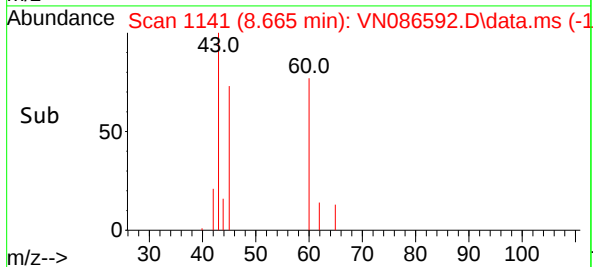
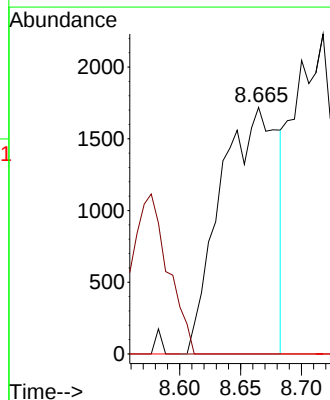
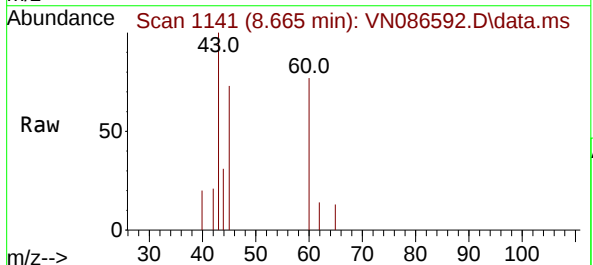
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBL01

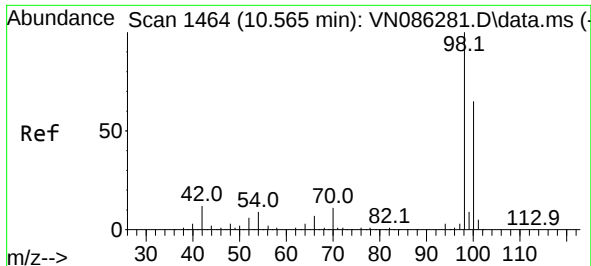
Tgt Ion:117 Resp: 20253
Ion Ratio Lower Upper
117 100
119 5.0 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.665 min Scan# 1141
Delta R.T. -0.018 min
Lab File: VN086592.D
Acq: 13 May 2025 11:21

Tgt Ion: 43 Resp: 5637
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 10.5 15.7#

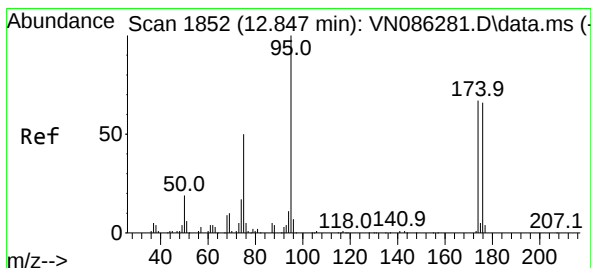
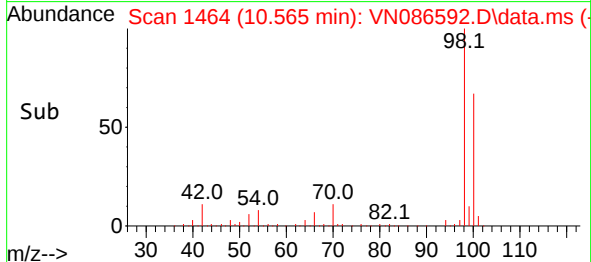
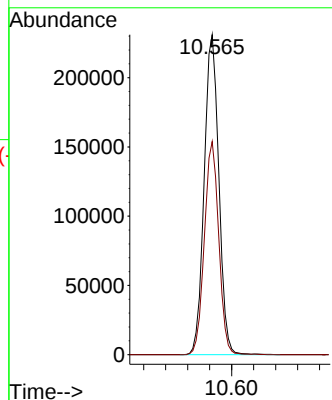
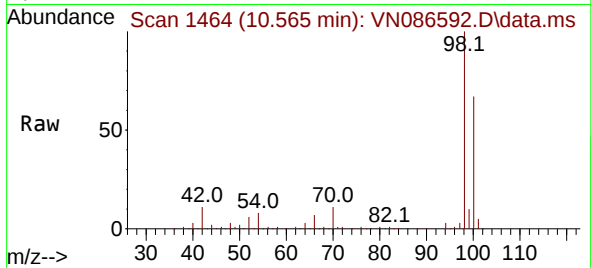




#50
Toluene-d8
Concen: 45.847 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086592.D
Acq: 13 May 2025 11:21

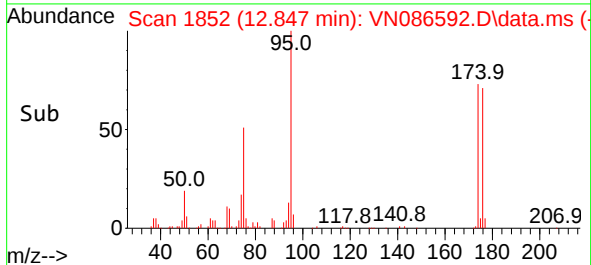
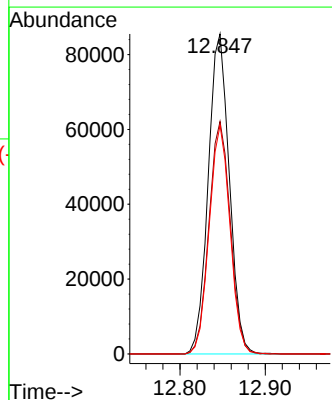
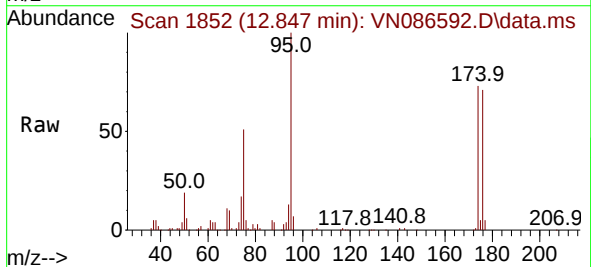
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBL01

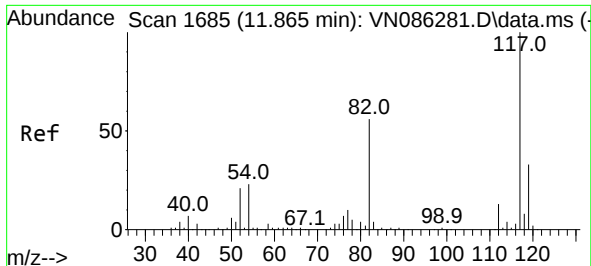
Tgt Ion: 98 Resp: 427083
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 43.223 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086592.D
Acq: 13 May 2025 11:21

Tgt Ion: 95 Resp: 146859
Ion Ratio Lower Upper
95 100
174 73.6 0.0 133.4
176 70.3 0.0 129.2

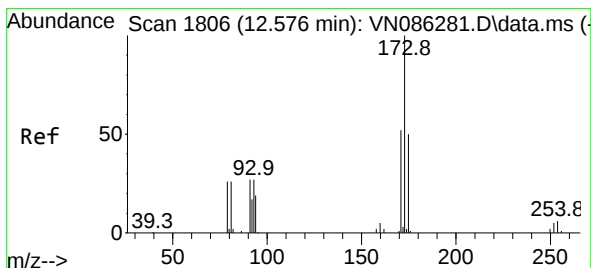
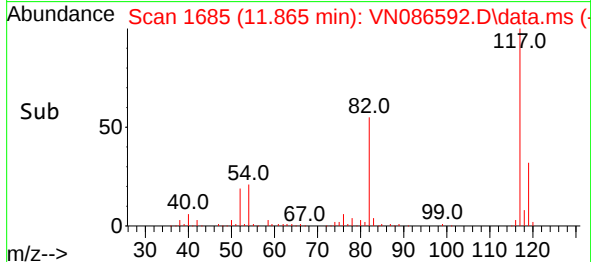
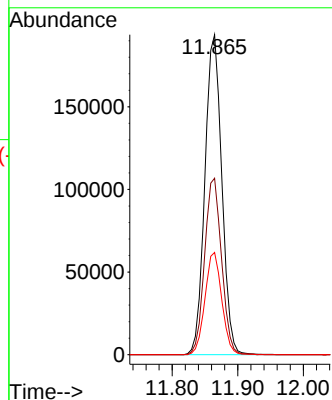
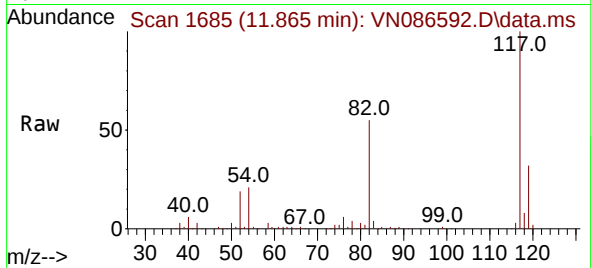




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086592.D
Acq: 13 May 2025 11:21

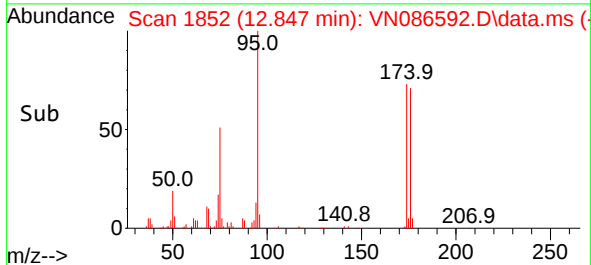
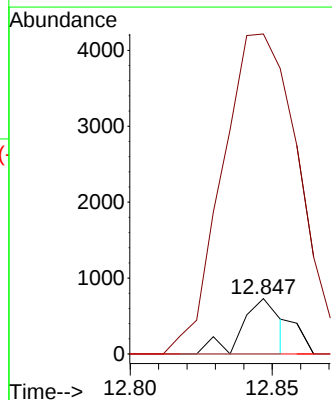
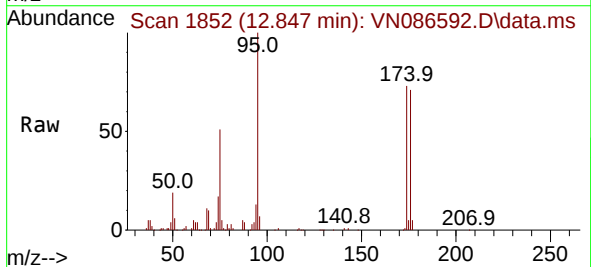
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBL01

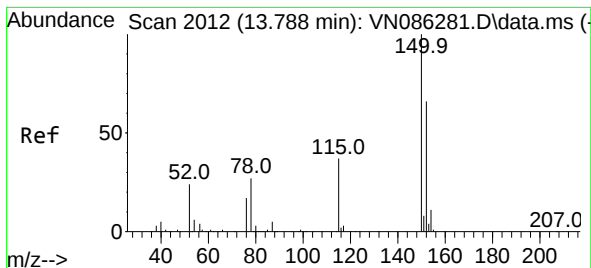
Tgt Ion:117 Resp: 347900
Ion Ratio Lower Upper
117 100
82 55.1 44.7 67.1
119 31.9 26.4 39.6



#71
Bromoform
Concen: 0.354 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN086592.D
Acq: 13 May 2025 11:21

Tgt Ion:173 Resp: 682
Ion Ratio Lower Upper
173 100
175 915.1 24.6 73.6#
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: VN086592.D

Acq: 13 May 2025 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBL01

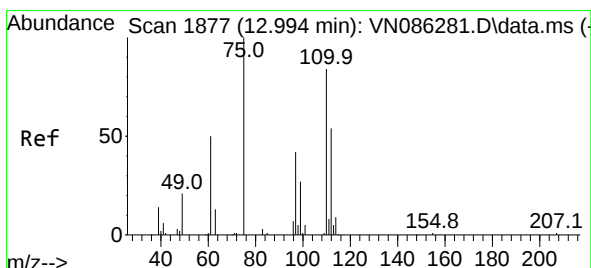
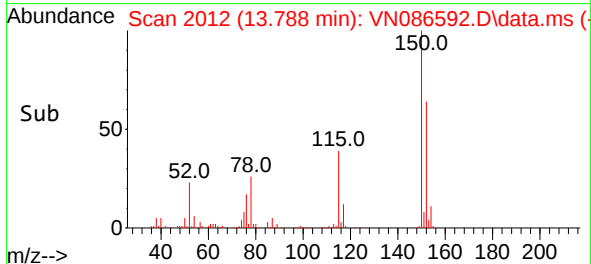
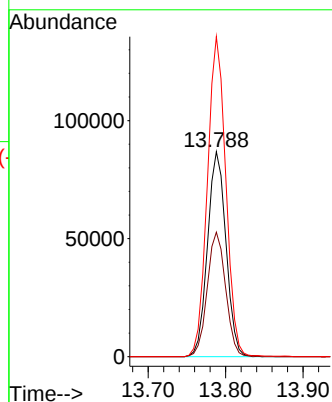
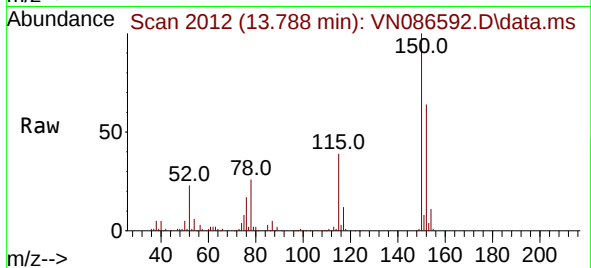
Tgt Ion:152 Resp: 143659

Ion Ratio Lower Upper

152 100

115 60.4 31.9 95.9

150 155.8 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 21.852 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086592.D

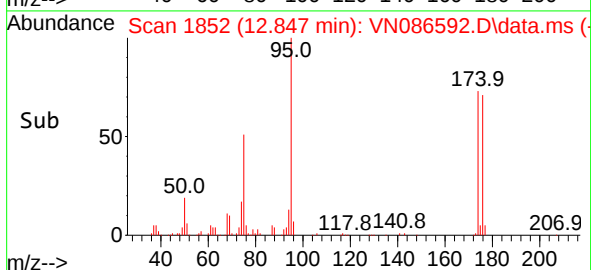
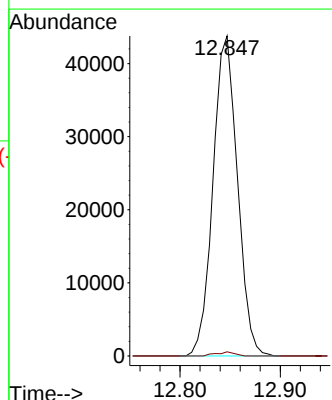
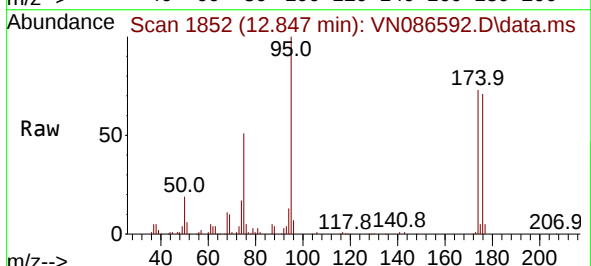
Acq: 13 May 2025 11:21

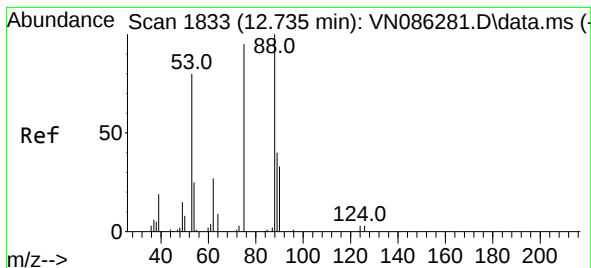
Tgt Ion: 75 Resp: 74082

Ion Ratio Lower Upper

75 100

77 1.0 98.8 296.4#

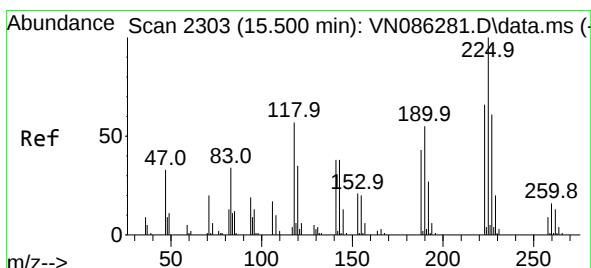
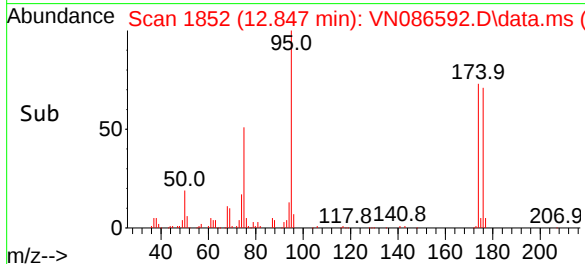
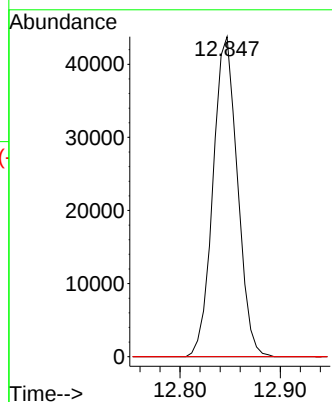
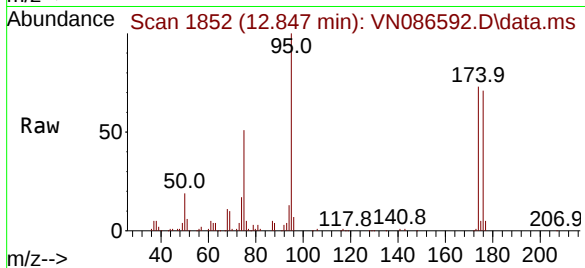




#81
trans-1,4-Dichloro-2-butene
Concen: 52.481 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN086592.D
Acq: 13 May 2025 11:21

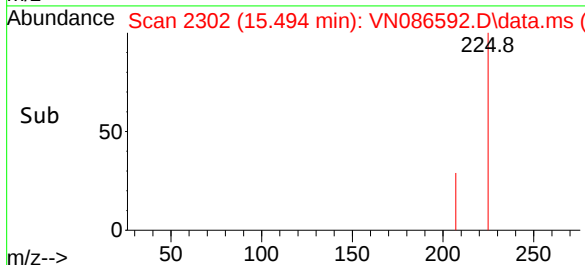
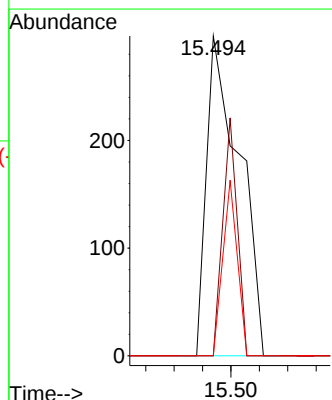
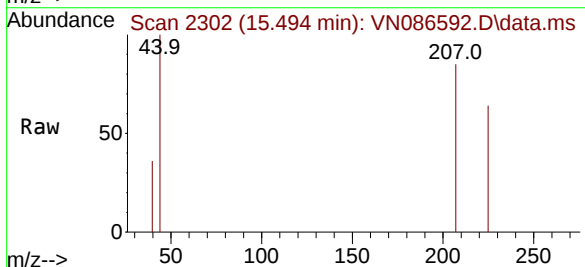
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBL01

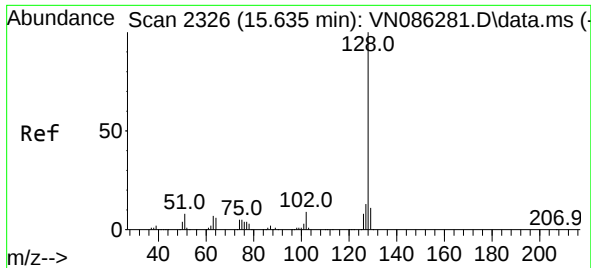
Tgt Ion: 75 Resp: 74082
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#



#94
Hexachlorobutadiene
Concen: 0.277 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN086592.D
Acq: 13 May 2025 11:21

Tgt Ion: 225 Resp: 238
Ion Ratio Lower Upper
225 100
223 32.8 32.8 98.3
227 24.4 31.4 94.0#





#95

Naphthalene

Concen: 0.230 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN086592.D

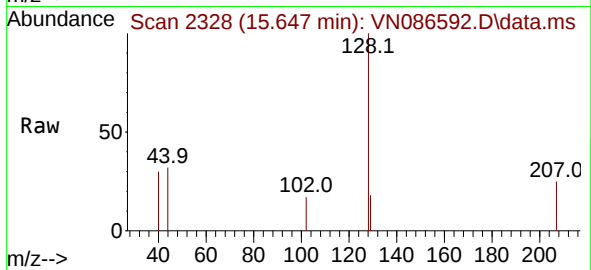
Acq: 13 May 2025 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBL01



Tgt Ion:128 Resp: 1849

Ion Ratio Lower Upper

128 100

127 2.9 10.2 15.4#

129 3.1 8.6 13.0#

