

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041625\
 Data File : VN086308.D
 Acq On : 16 Apr 2025 19:40
 Operator : JC\MD
 Sample : Q1791-11 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 280791

Quant Time: Apr 17 03:09:27 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)

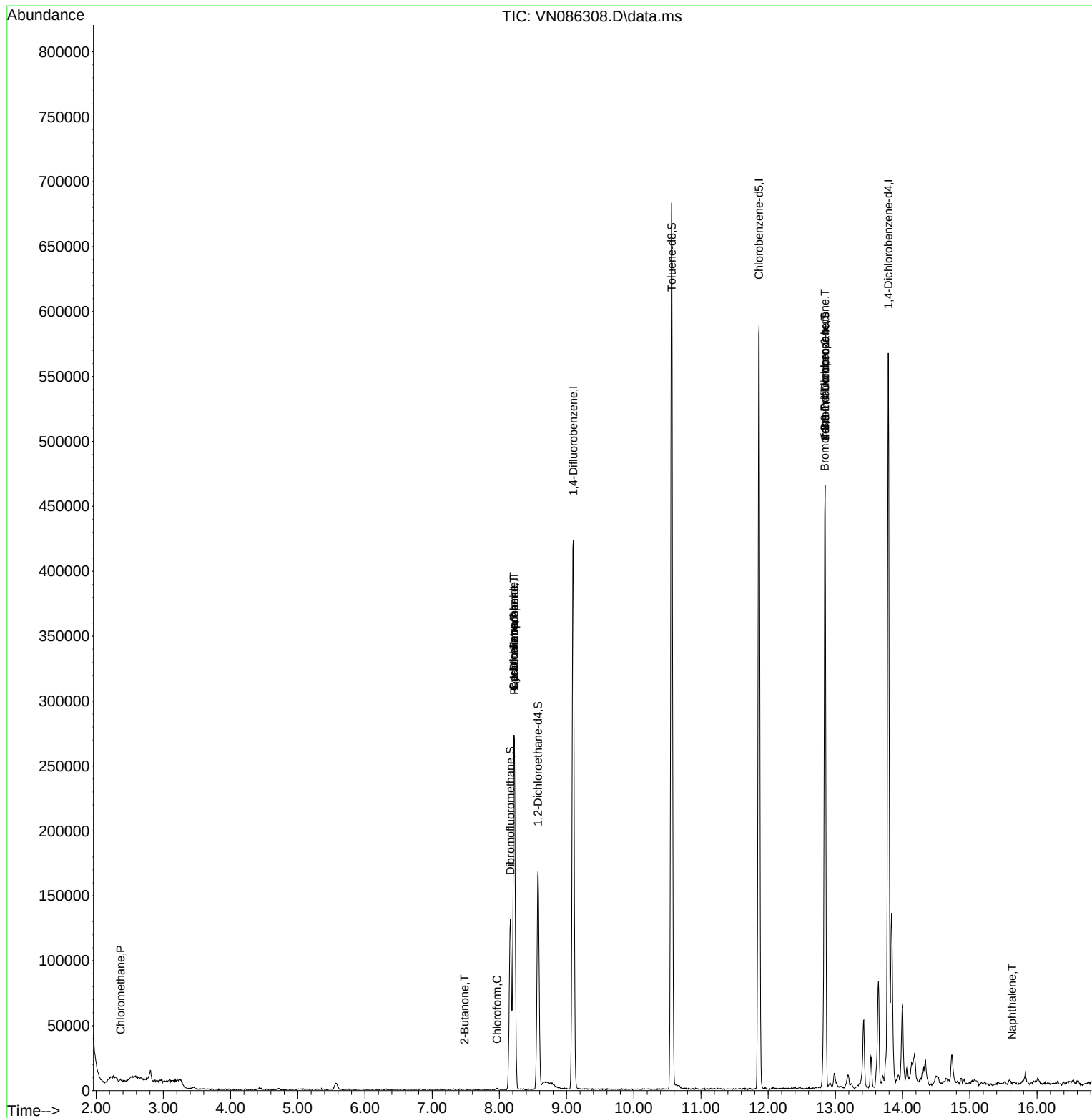
Internal Standards						
1) Pentafluorobenzene	8.224	168	202722	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	380080	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	349559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	148106	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	139718	47.529	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.060%
35) Dibromofluoromethane	8.165	113	96856	54.907	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	109.820%
50) Toluene-d8	10.565	98	478121	50.715	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.420%
62) 4-Bromofluorobenzene	12.847	95	170189	49.493	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.980%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1271	0.364	ug/l	94
13) Acrolein	4.194	56	203	Below Cal	#	1
16) Acetone	4.441	43	3643	Below Cal		90
25) 2-Butanone	7.482	43	369	0.202	ug/l #	48
30) Chloroform	7.965	83	1243	0.260	ug/l	85
31) Cyclohexane	8.218	56	4555	0.956	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	16503	4.684	ug/l #	49
38) Carbon Tetrachloride	8.218	117	20460	6.098	ug/l #	16
43) Isopropyl Acetate	8.671	43	5735	Below Cal	#	55
71) Bromoform	12.841	173	634	0.327	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	87140	24.932	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	87140	59.878	ug/l #	10
95) Naphthalene	15.629	128	1866	0.225	ug/l #	83

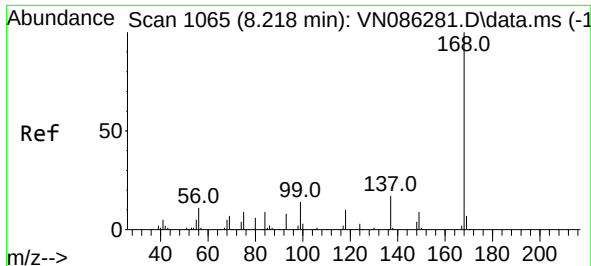
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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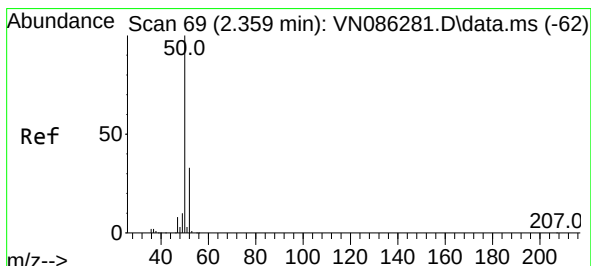
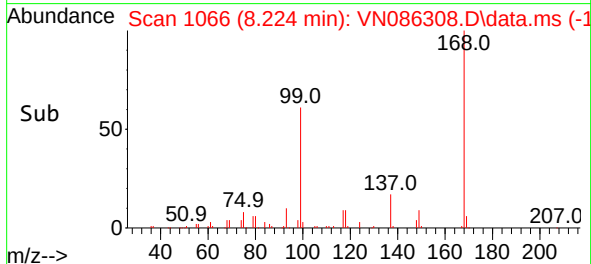
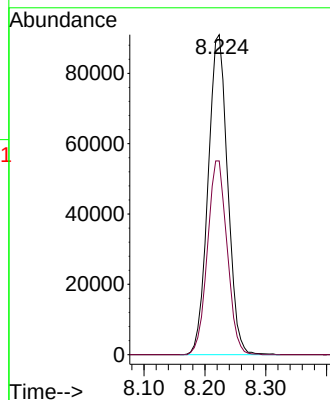
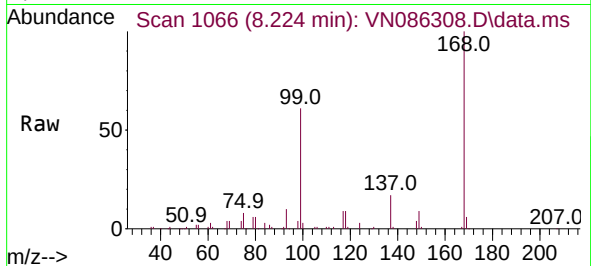




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086308.D
Acq: 16 Apr 2025 19:40

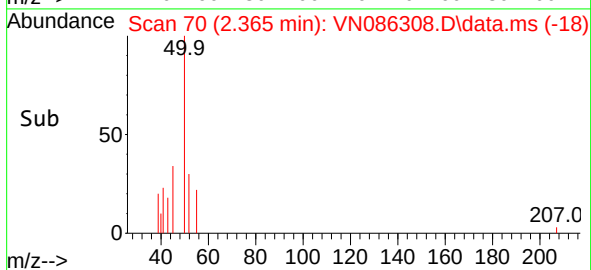
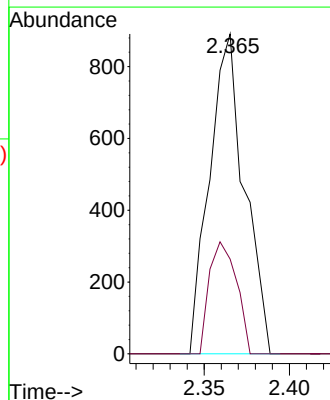
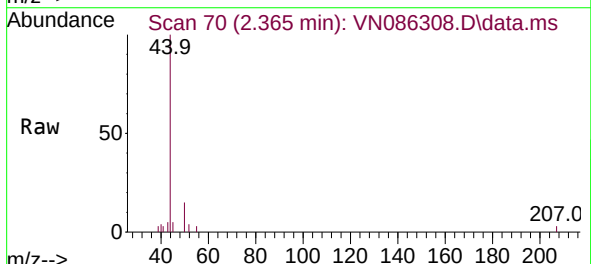
Instrument :
MSVOA_N
ClientSampleId :
280791

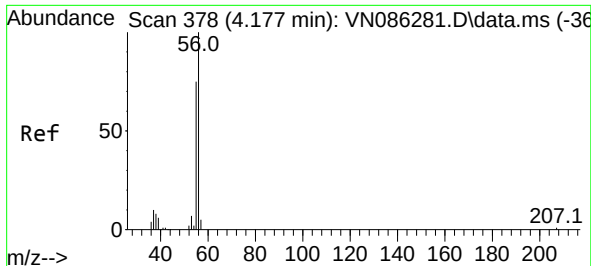
Tgt Ion:168 Resp: 202722
Ion Ratio Lower Upper
168 100
99 60.6 52.5 78.7



#3
Chloromethane
Concen: 0.364 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086308.D
Acq: 16 Apr 2025 19:40

Tgt Ion: 50 Resp: 1271
Ion Ratio Lower Upper
50 100
52 29.6 26.5 39.7

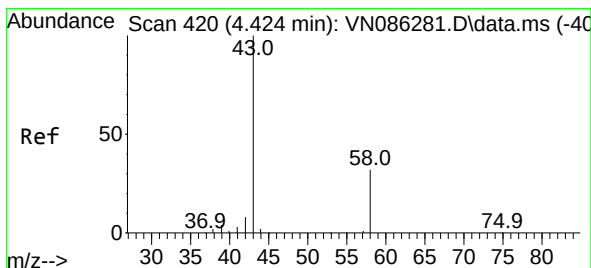
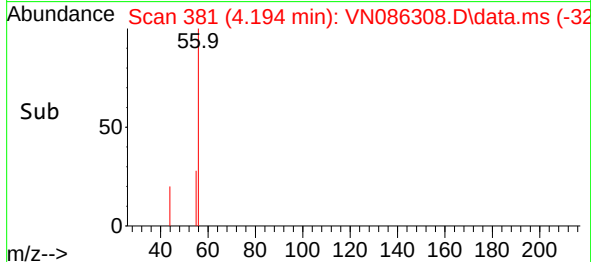
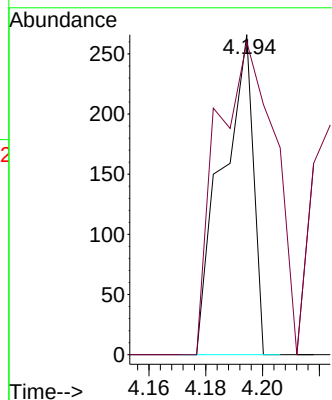
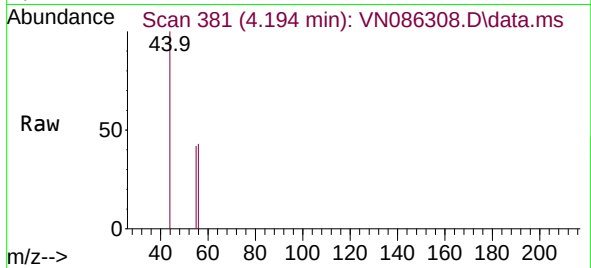




#13
Acrolein
Concen: Below Cal
RT: 4.194 min Scan# 31
Delta R.T. 0.017 min
Lab File: VN086308.D
Acq: 16 Apr 2025 19:40

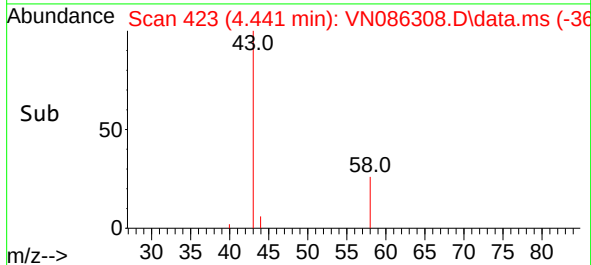
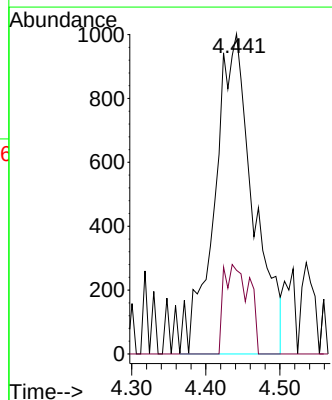
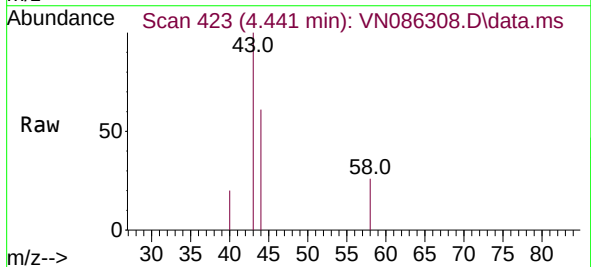
Instrument :
MSVOA_N
ClientSampleId :
280791

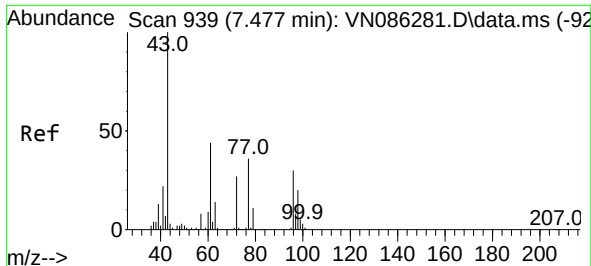
Tgt Ion: 56 Resp: 203
Ion Ratio Lower Upper
56 100
55 179.8 58.5 87.7#



#16
Acetone
Concen: Below Cal
RT: 4.441 min Scan# 423
Delta R.T. 0.017 min
Lab File: VN086308.D
Acq: 16 Apr 2025 19:40

Tgt Ion: 43 Resp: 3643
Ion Ratio Lower Upper
43 100
58 26.1 25.3 37.9

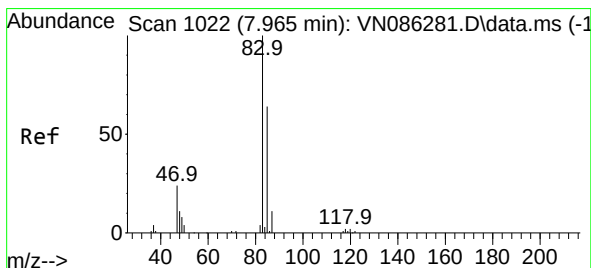
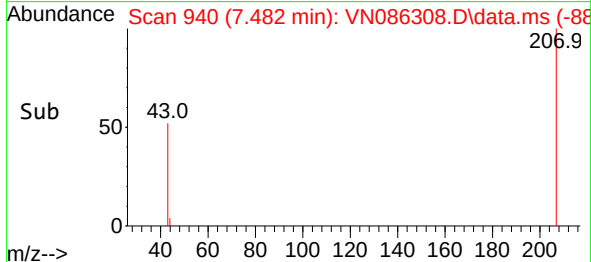
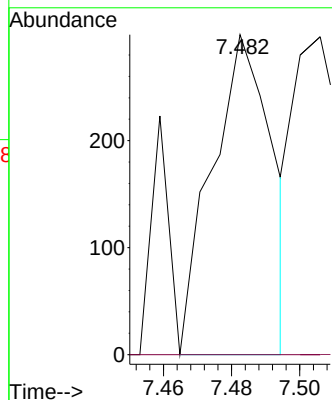
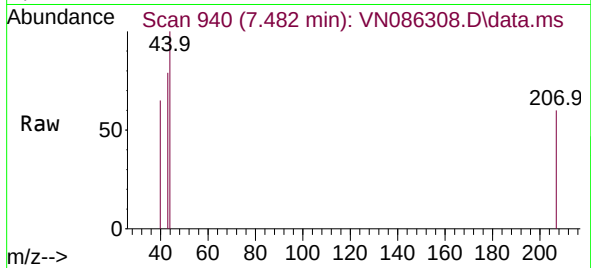




#25
2-Butanone
Concen: 0.202 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN086308.D
Acq: 16 Apr 2025 19:40

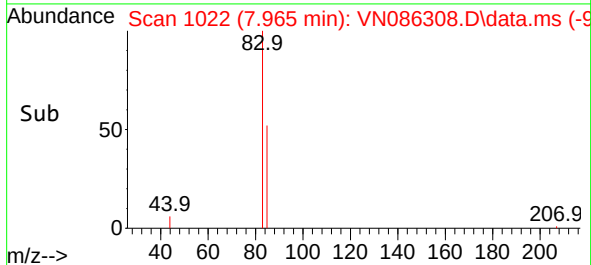
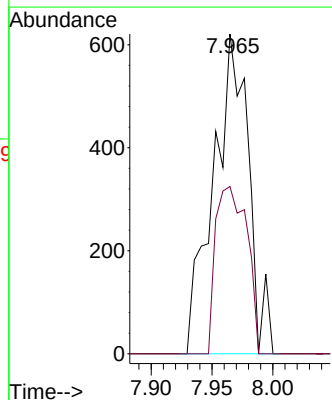
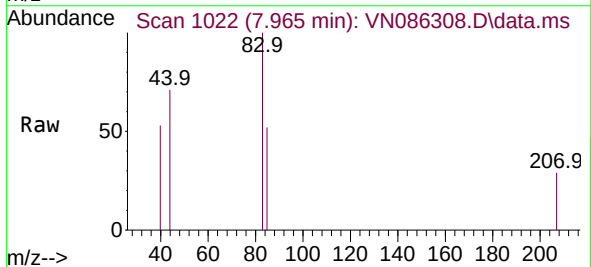
Instrument :
MSVOA_N
ClientSampleId :
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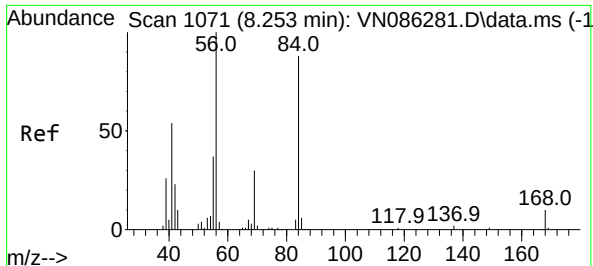
Tgt Ion: 43 Resp: 369
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#30
Chloroform
Concen: 0.260 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN086308.D
Acq: 16 Apr 2025 19:40

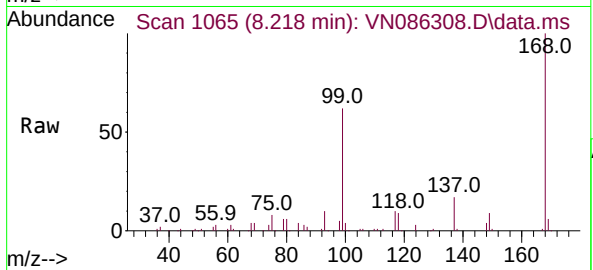
Tgt Ion: 83 Resp: 1243
Ion Ratio Lower Upper
83 100
85 52.3 51.5 77.3



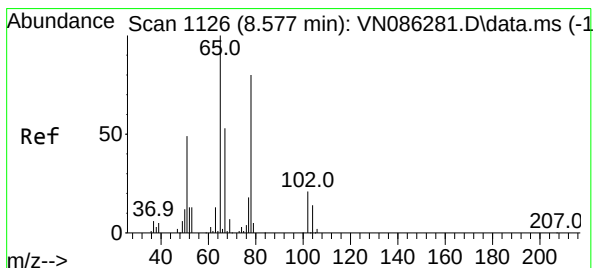
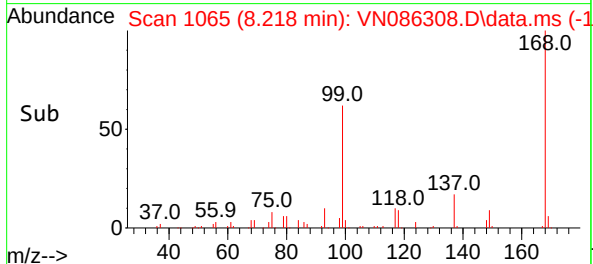
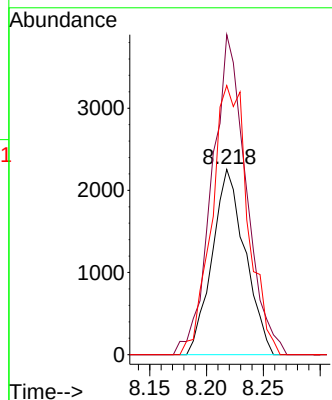


#31
Cyclohexane
Concen: 0.956 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086308.D
Acq: 16 Apr 2025 19:40

Instrument :
MSVOA_N
ClientSampleId :
280791

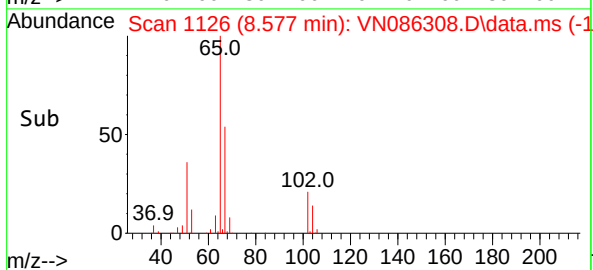
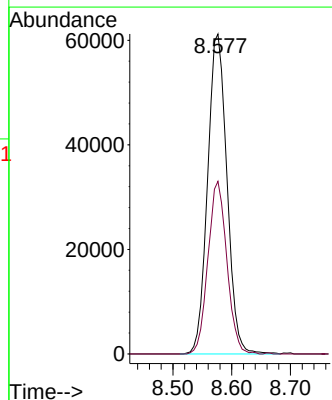
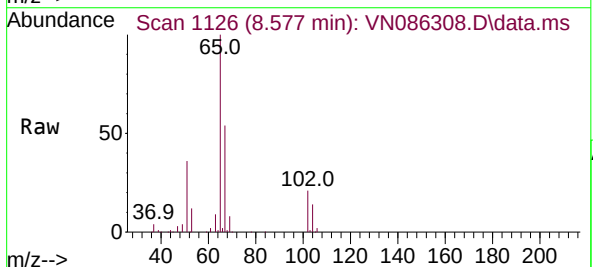


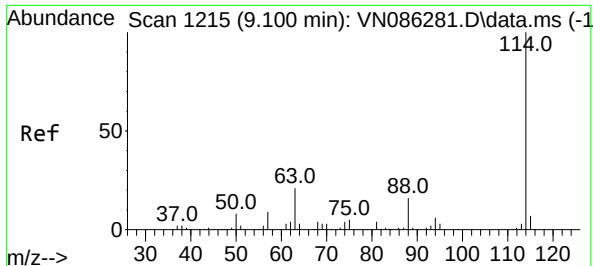
Tgt Ion: 56 Resp: 4555
Ion Ratio Lower Upper
56 100
69 165.9 24.2 36.2#
84 145.2 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 47.529 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086308.D
Acq: 16 Apr 2025 19:40

Tgt Ion: 65 Resp: 139718
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.0

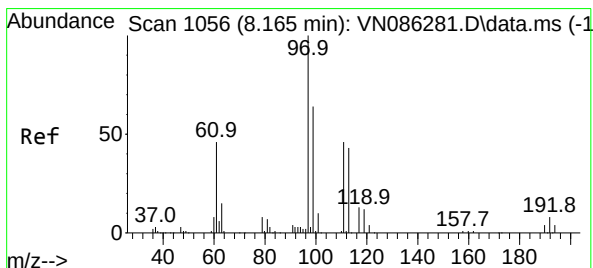
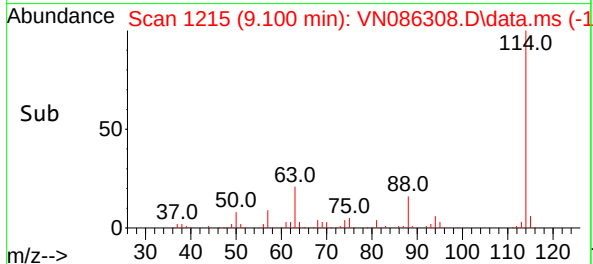
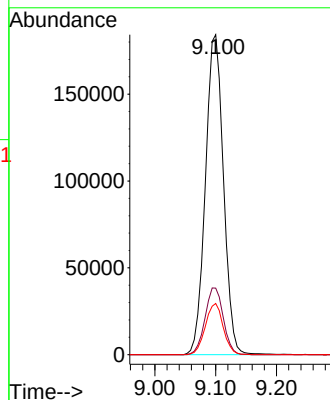
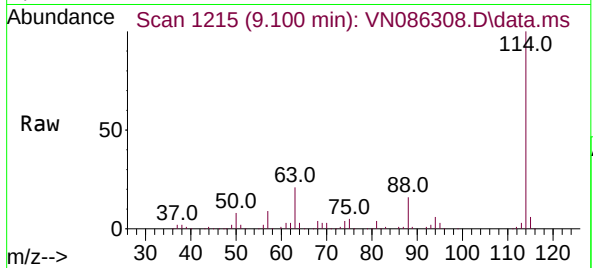




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086308.D
Acq: 16 Apr 2025 19:40

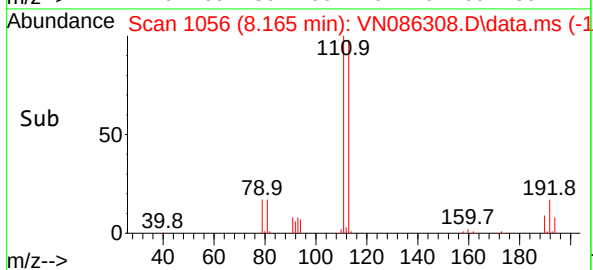
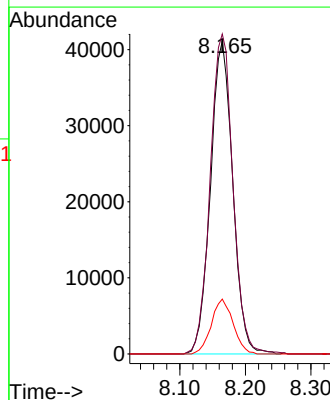
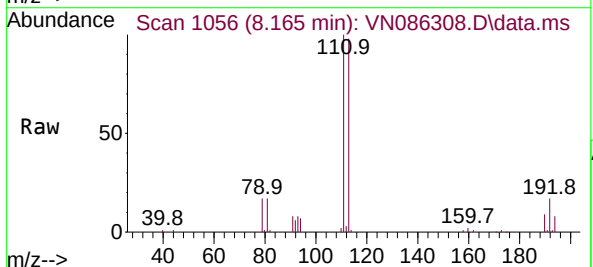
Instrument :
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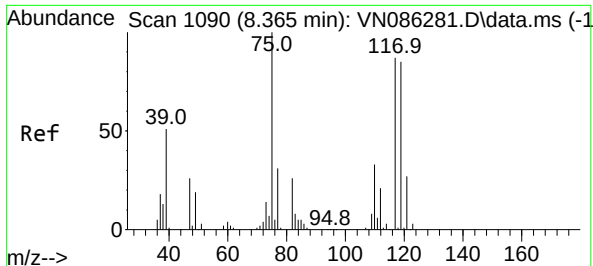
Tgt Ion:114 Resp: 380080
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.6
88 16.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 54.907 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086308.D
Acq: 16 Apr 2025 19:40

Tgt Ion:113 Resp: 96856
Ion Ratio Lower Upper
113 100
111 104.6 83.4 125.0
192 17.1 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.684 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086308.D

Acq: 16 Apr 2025 19:40

Instrument :

MSVOA_N

ClientSampleId :

280791

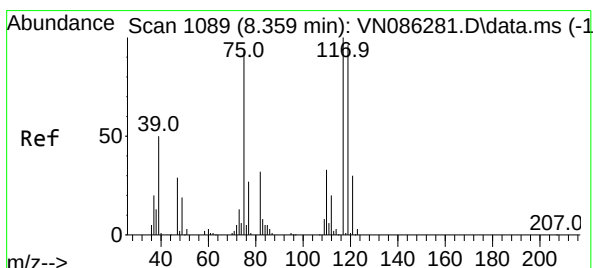
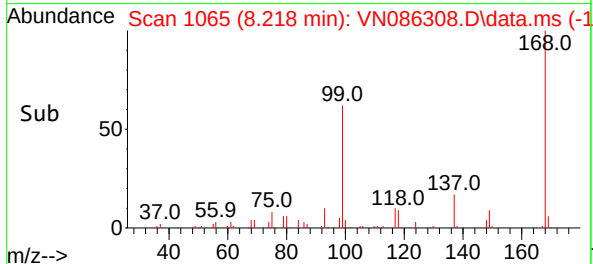
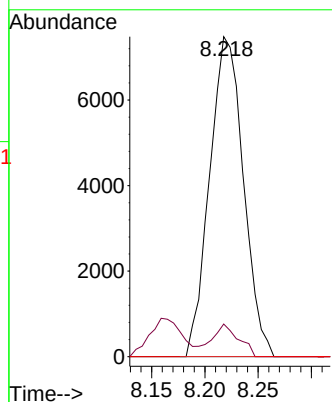
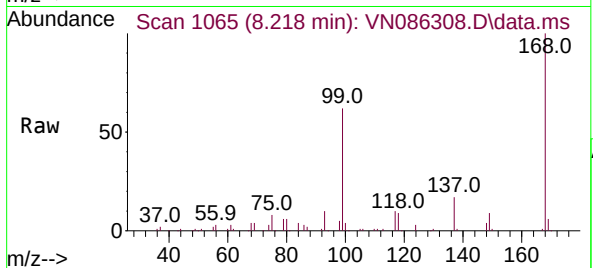
Tgt Ion: 75 Resp: 16503

Ion Ratio Lower Upper

75 100

110 7.9 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.098 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN086308.D

Acq: 16 Apr 2025 19:40

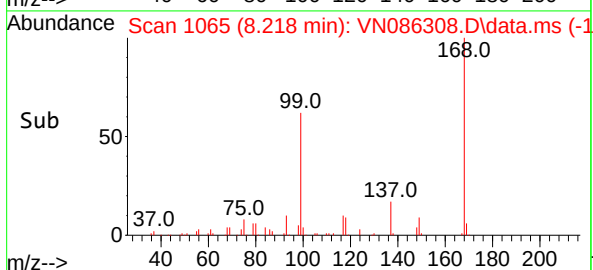
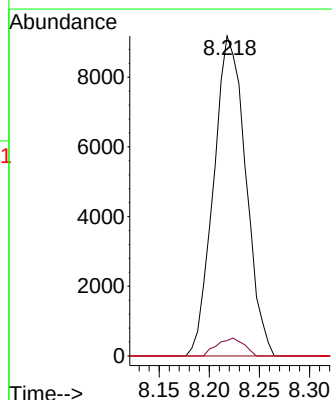
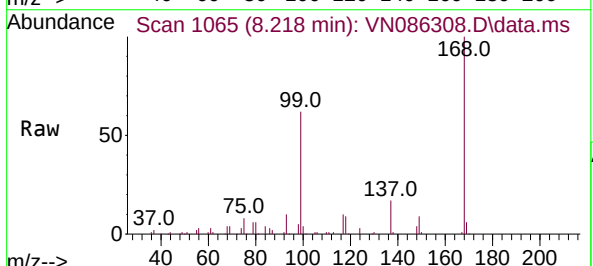
Tgt Ion: 117 Resp: 20460

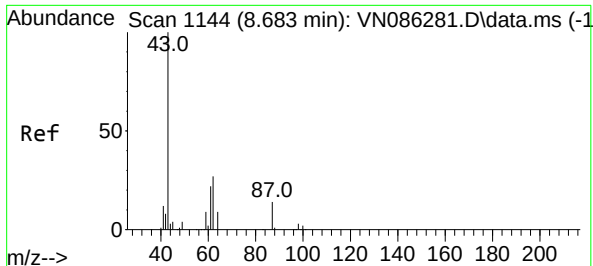
Ion Ratio Lower Upper

117 100

119 4.8 76.8 115.2#

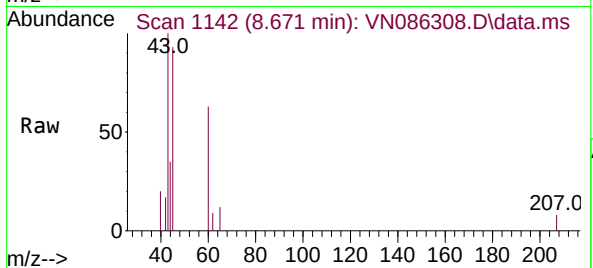
121 0.0 23.8 35.8#



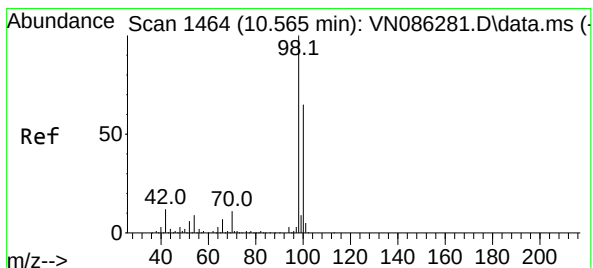
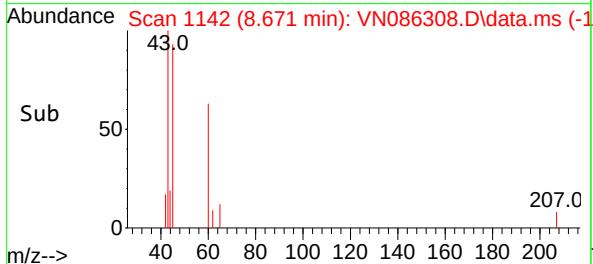
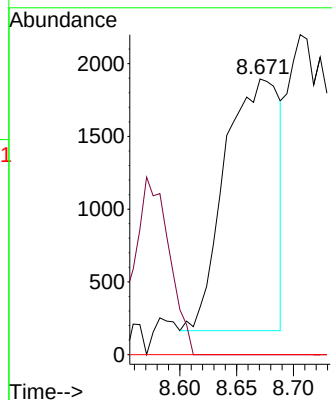


#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.671 min Scan# 1144
Delta R.T. -0.012 min
Lab File: VN086308.D
Acq: 16 Apr 2025 19:40

Instrument :
MSVOA_N
ClientSampleId :
280791

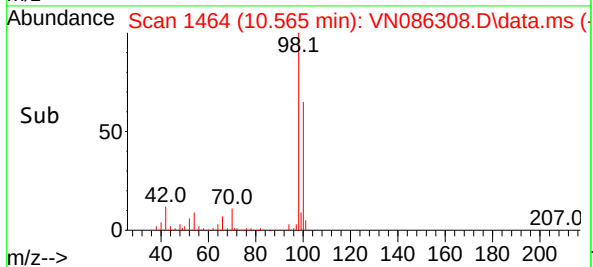
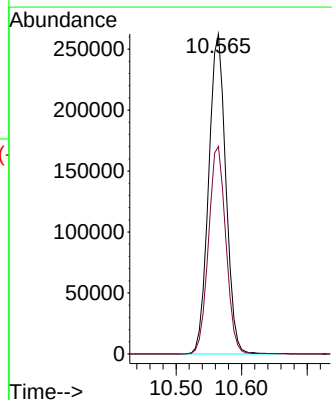
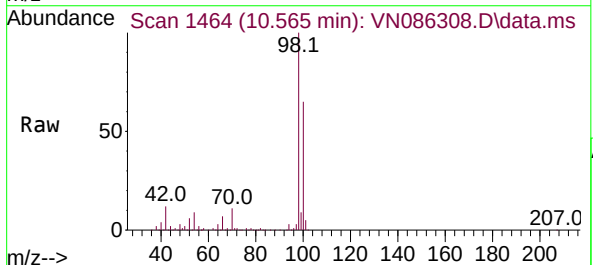


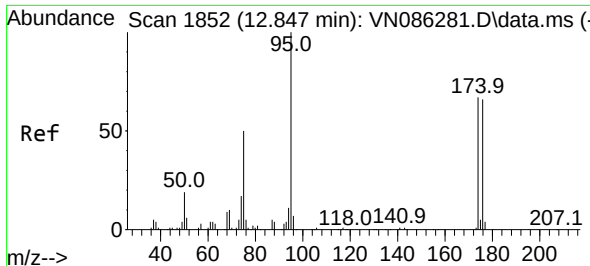
Tgt Ion: 43 Resp: 5735
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 10.5 15.7#



#50
Toluene-d8
Concen: 50.715 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086308.D
Acq: 16 Apr 2025 19:40

Tgt Ion: 98 Resp: 478121
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7

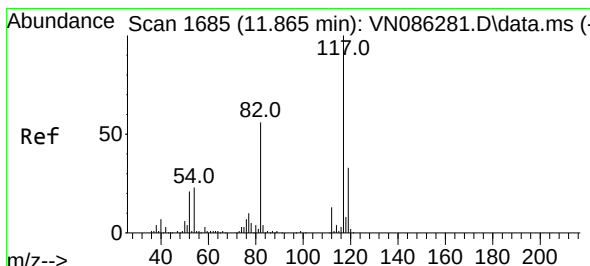
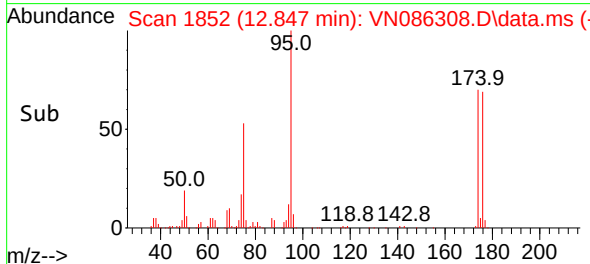
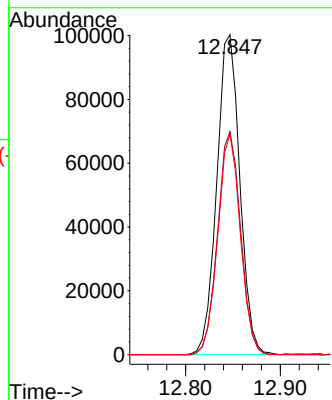
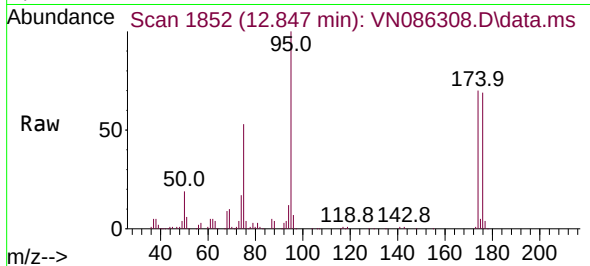




#62
4-Bromofluorobenzene
Concen: 49.493 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086308.D
Acq: 16 Apr 2025 19:40

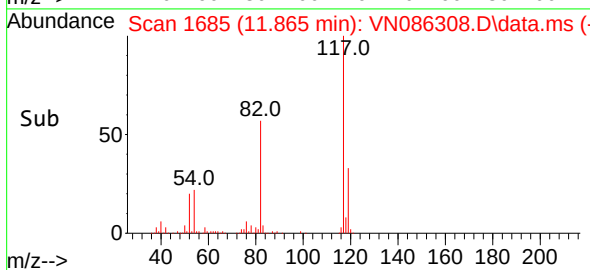
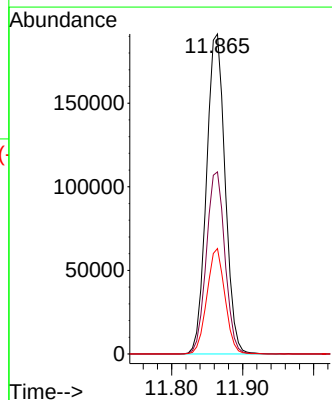
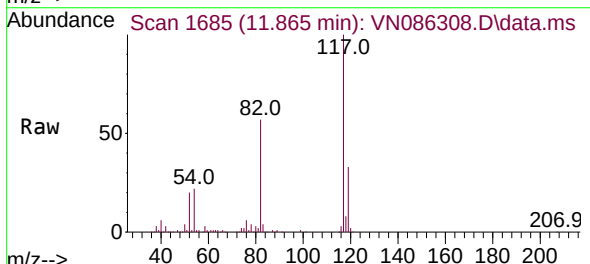
Instrument :
MSVOA_N
ClientSampleId :
280791

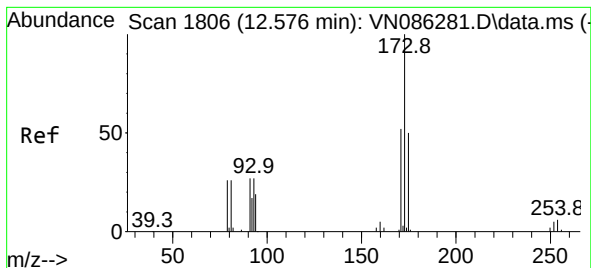
Tgt Ion: 95 Resp: 170189
Ion Ratio Lower Upper
95 100
174 69.4 0.0 133.4
176 67.2 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086308.D
Acq: 16 Apr 2025 19:40

Tgt Ion: 117 Resp: 349559
Ion Ratio Lower Upper
117 100
82 56.9 44.7 67.1
119 33.0 26.4 39.6





#71

Bromoform

Concen: 0.327 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN086308.D

Acq: 16 Apr 2025 19:40

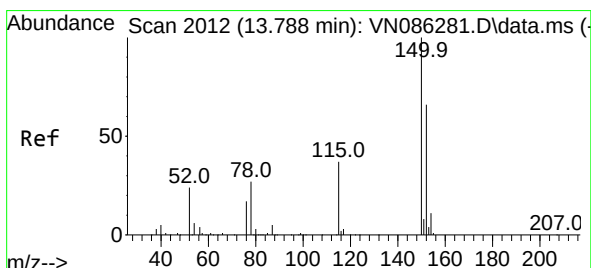
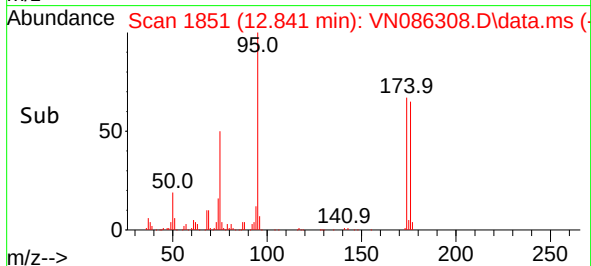
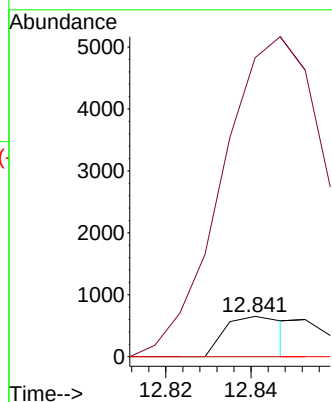
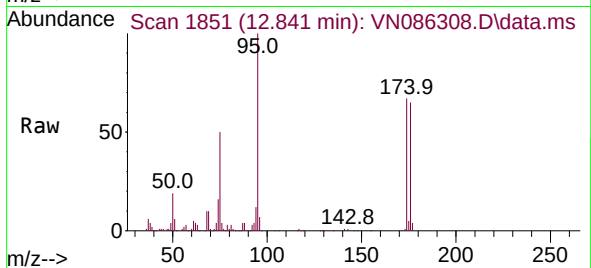
Instrument :

MSVOA_N

ClientSampleId :

280791

Tgt Ion:173	Resp:	634
Ion Ratio	Lower	Upper
173	100	
175	1152.5	24.6 73.6#
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

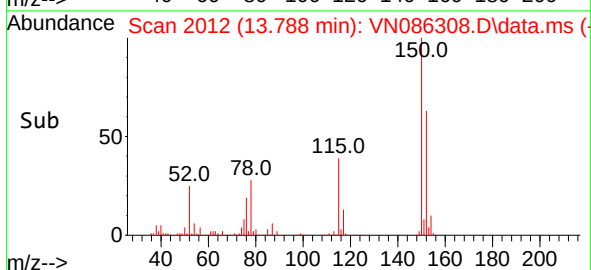
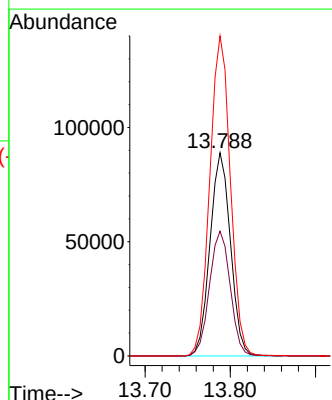
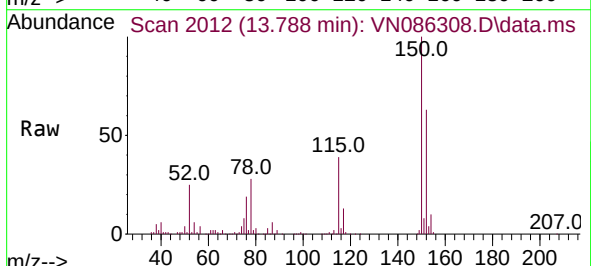
RT: 13.788 min Scan# 2012

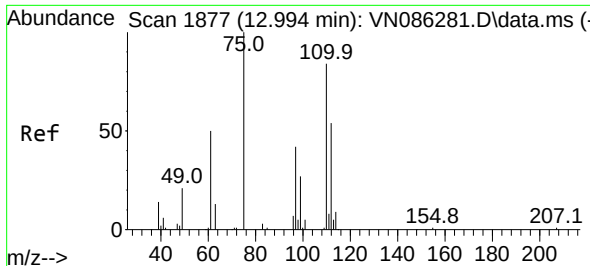
Delta R.T. -0.000 min

Lab File: VN086308.D

Acq: 16 Apr 2025 19:40

Tgt Ion:152	Resp:	148106
Ion Ratio	Lower	Upper
152	100	
115	62.4	31.9 95.9
150	158.5	0.0 352.0

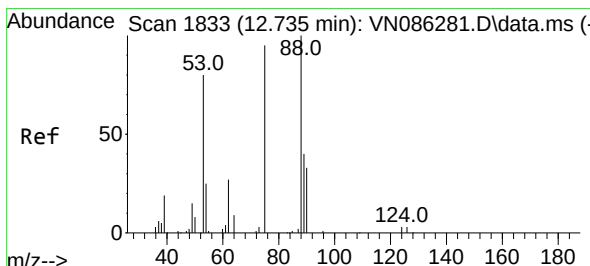
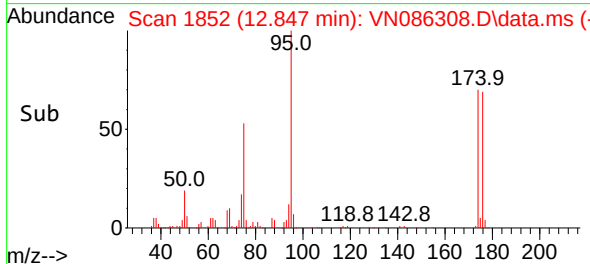
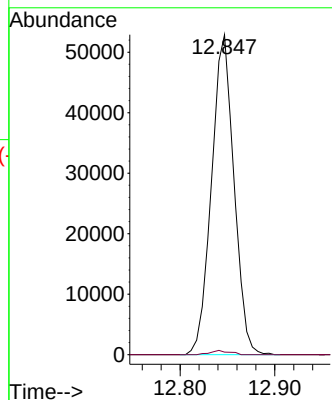
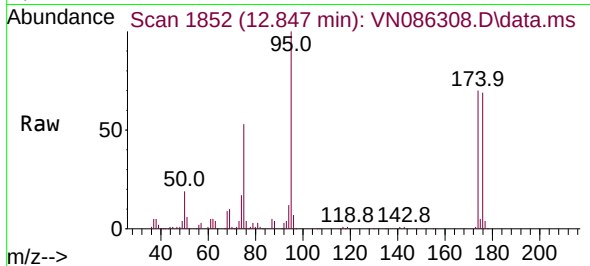




#76
1,2,3-Trichloropropane
Concen: 24.932 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086308.D
Acq: 16 Apr 2025 19:40

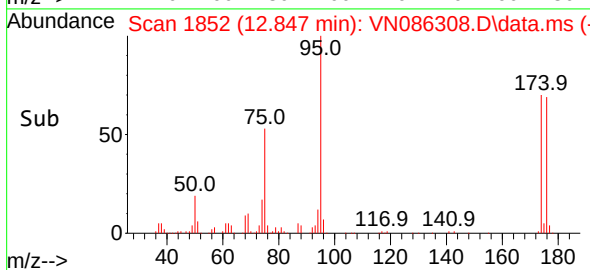
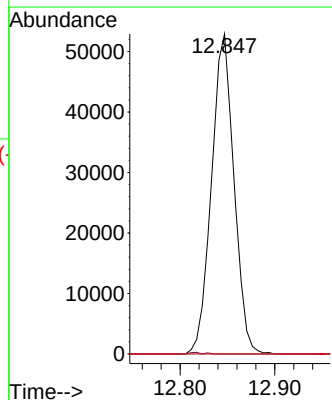
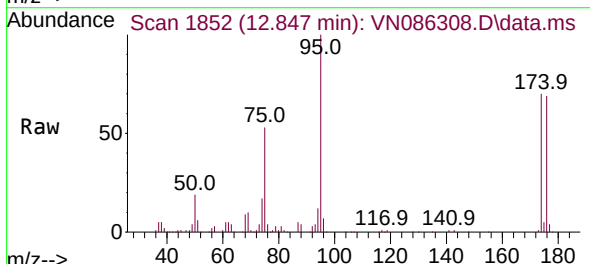
Instrument :
MSVOA_N
ClientSampleId :
280791

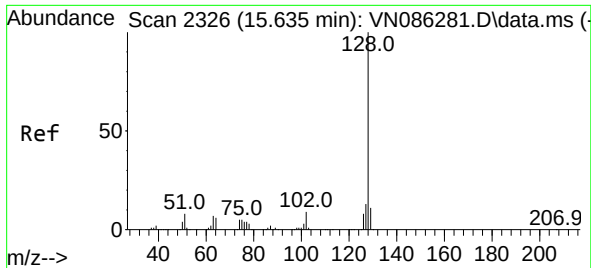
Tgt Ion: 75 Resp: 87140
Ion Ratio Lower Upper
75 100
77 1.1 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.878 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086308.D
Acq: 16 Apr 2025 19:40

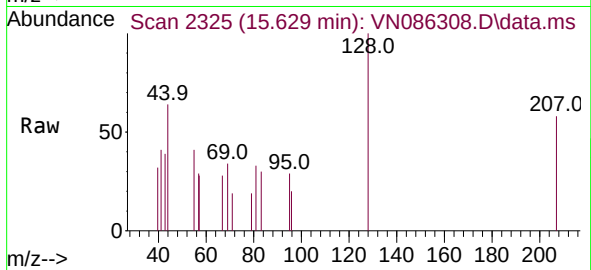
Tgt Ion: 75 Resp: 87140
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#





#95
Naphthalene
Concen: 0.225 ug/l
RT: 15.629 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN086308.D
Acq: 16 Apr 2025 19:40

Instrument :
MSVOA_N
ClientSampleId :
280791



Tgt Ion:128 Resp: 1866
Ion Ratio Lower Upper
128 100
127 3.2 10.2 15.4#
129 7.4 8.6 13.0#

