

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041625\
 Data File : VN086307.D
 Acq On : 16 Apr 2025 19:16
 Operator : JC\MD
 Sample : Q1791-10 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 280722

Quant Time: Apr 17 03:09:15 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)

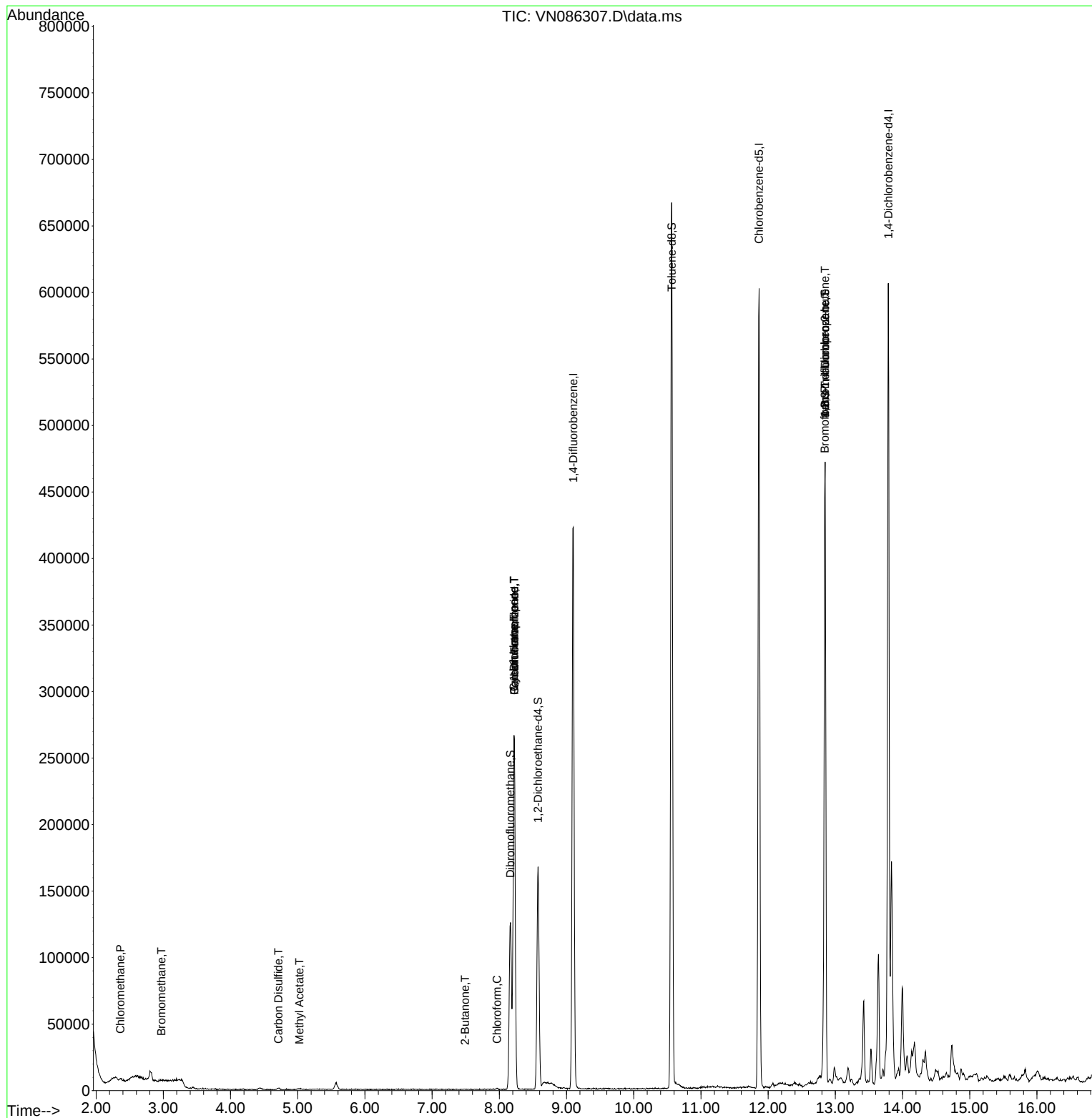
Internal Standards						
1) Pentafluorobenzene	8.224	168	195811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	373519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	349748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	156915	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	138406	48.744	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.480%
35) Dibromofluoromethane	8.165	113	95714	55.213	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	110.420%
50) Toluene-d8	10.565	98	477509	51.539	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.080%
62) 4-Bromofluorobenzene	12.847	95	174365	51.598	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.200%
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	1177	0.349	ug/l	92
5) Bromomethane	2.971	94	451	0.311	ug/l #	73
13) Acrolein	4.171	56	253	Below Cal	#	78
16) Acetone	4.448	43	3017	Below Cal		96
17) Carbon Disulfide	4.712	76	2039	0.295	ug/l #	74
18) Methyl Acetate	5.024	43	877	0.257	ug/l #	51
25) 2-Butanone	7.489	43	767	0.434	ug/l #	48
30) Chloroform	7.965	83	954	0.207	ug/l #	76
31) Cyclohexane	8.218	56	4526	0.984	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	16351	4.722	ug/l #	50
38) Carbon Tetrachloride	8.224	117	20299	6.156	ug/l #	15
43) Isopropyl Acetate	8.671	43	3838	Below Cal	#	55
71) Bromoform	12.841	173	807	0.416	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	87629	23.665	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	87629	56.834	ug/l #	10

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

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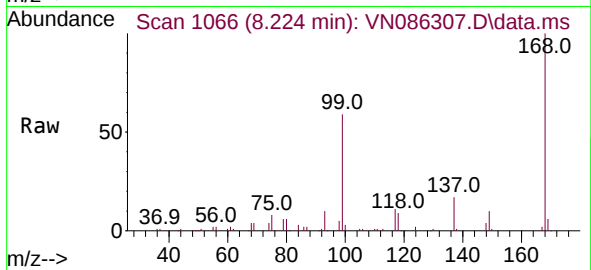
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
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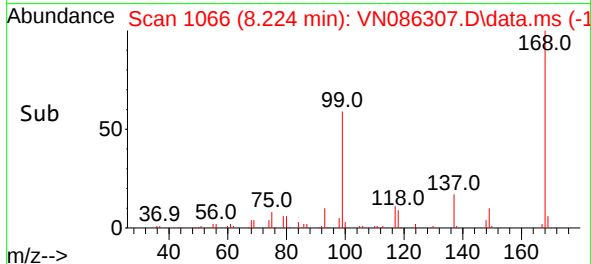
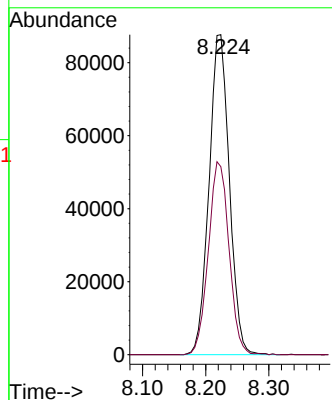


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086307.D
Acq: 16 Apr 2025 19:16

Instrument :
MSVOA_N
ClientSampleId :
280722

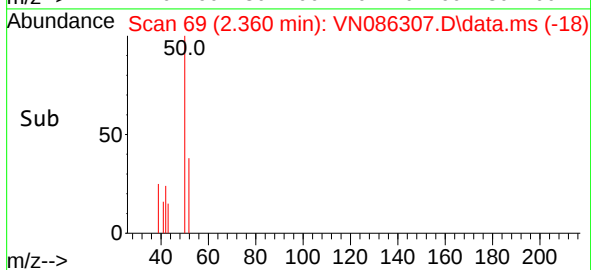
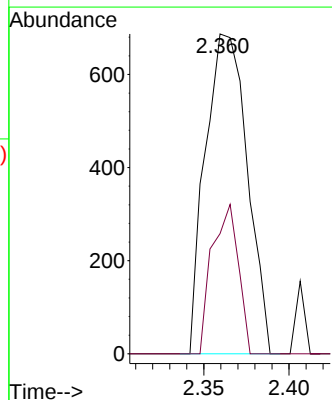
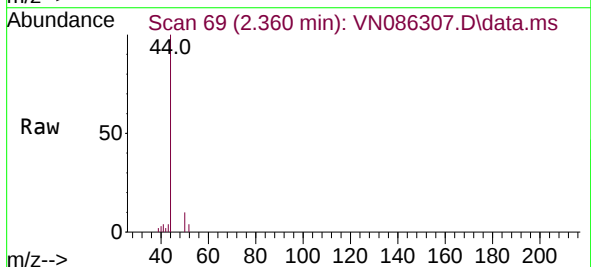


Tgt Ion:168 Resp: 195811
Ion Ratio Lower Upper
168 100
99 58.7 52.5 78.7



#3
Chloromethane
Concen: 0.349 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086307.D
Acq: 16 Apr 2025 19:16

Tgt Ion: 50 Resp: 1177
Ion Ratio Lower Upper
50 100
52 37.6 26.5 39.7

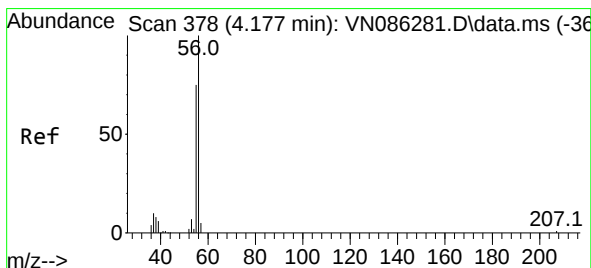
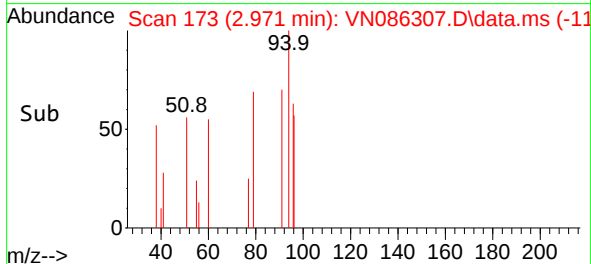
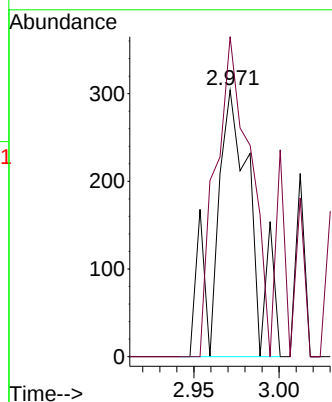
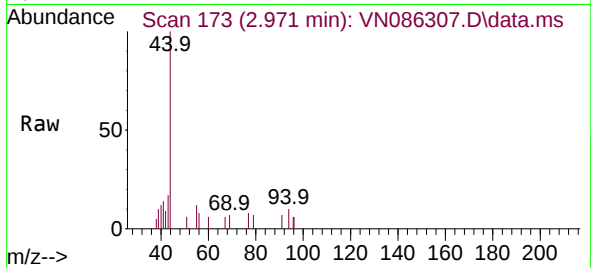




#5
Bromomethane
Concen: 0.311 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN086307.D
Acq: 16 Apr 2025 19:16

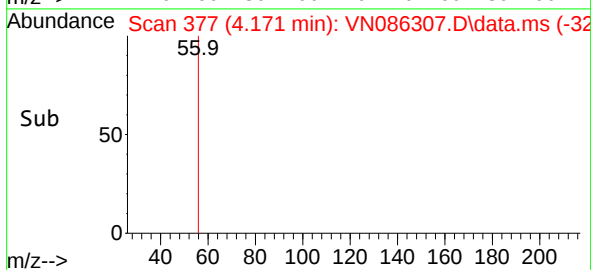
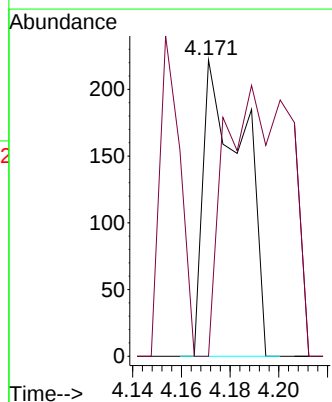
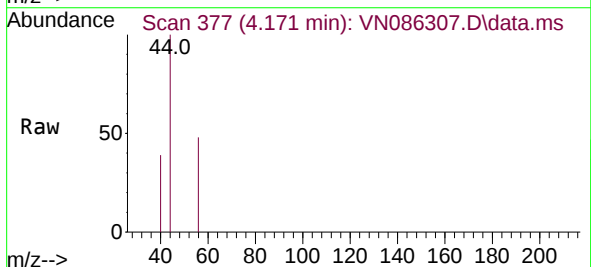
Instrument :
MSVOA_N
ClientSampleId :
280722

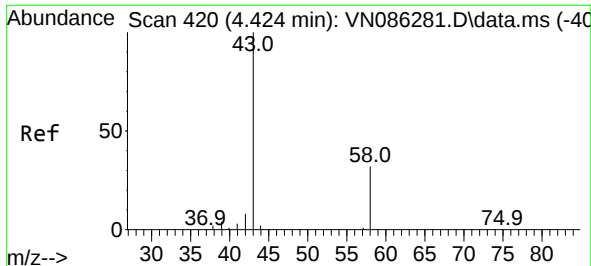
Tgt Ion: 94 Resp: 451
Ion Ratio Lower Upper
94 100
96 120.1 75.2 112.8#



#13
Acrolein
Concen: Below Cal
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN086307.D
Acq: 16 Apr 2025 19:16

Tgt Ion: 56 Resp: 253
Ion Ratio Lower Upper
56 100
55 54.9 58.5 87.7#

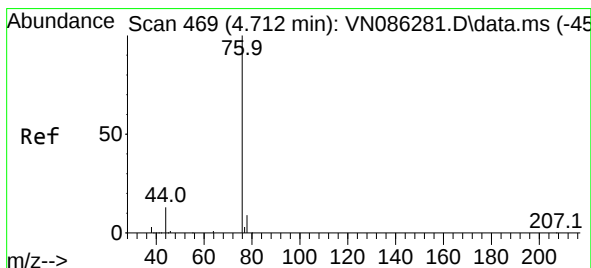
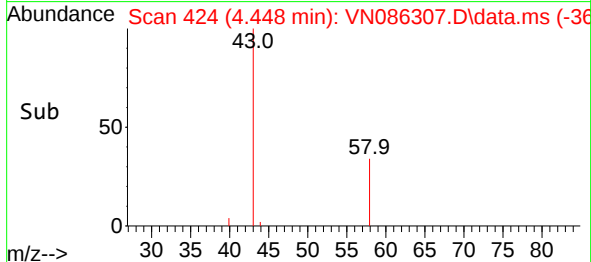
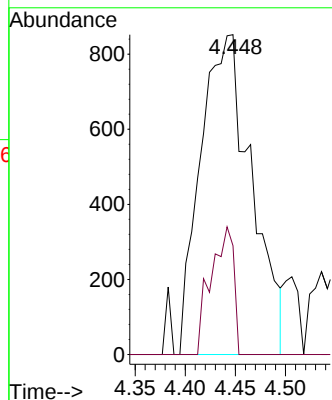
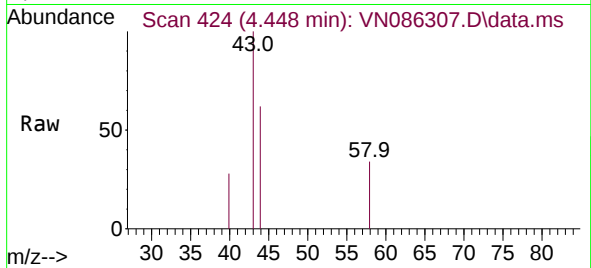




#16
Acetone
Concen: Below Cal
RT: 4.448 min Scan# 41
Delta R.T. 0.024 min
Lab File: VN086307.D
Acq: 16 Apr 2025 19:16

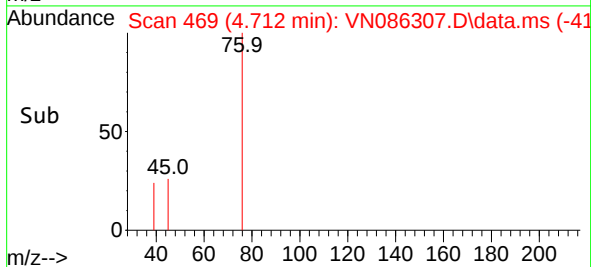
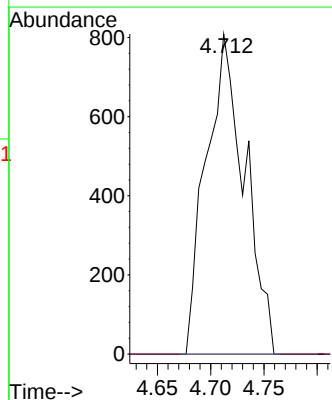
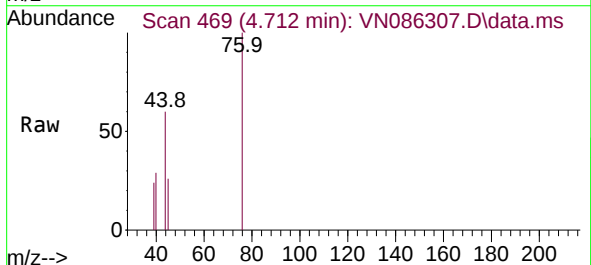
Instrument :
MSVOA_N
ClientSampleId :
280722

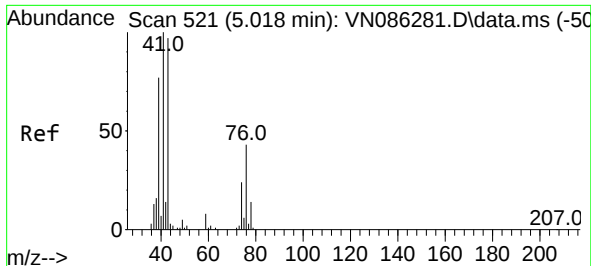
Tgt Ion: 43 Resp: 3017
Ion Ratio Lower Upper
43 100
58 34.0 25.3 37.9



#17
Carbon Disulfide
Concen: 0.295 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN086307.D
Acq: 16 Apr 2025 19:16

Tgt Ion: 76 Resp: 2039
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#

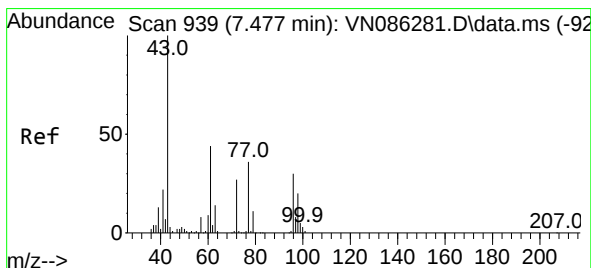
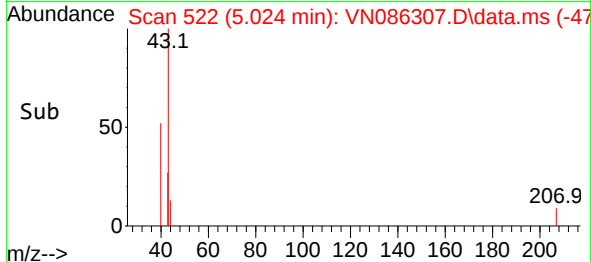
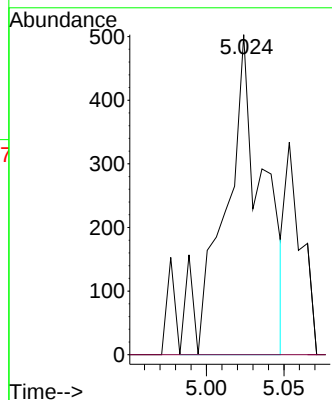
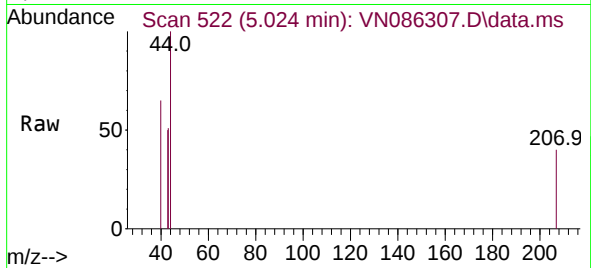




#18
Methyl Acetate
Concen: 0.257 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086307.D
Acq: 16 Apr 2025 19:16

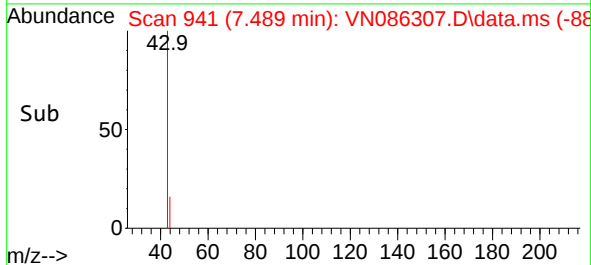
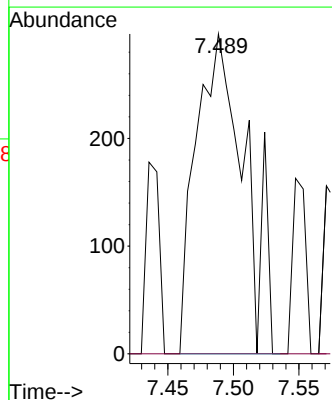
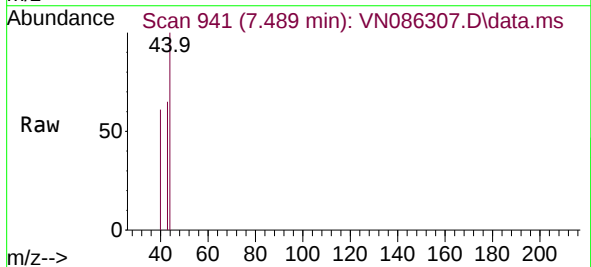
Instrument :
MSVOA_N
ClientSampleId :
280722

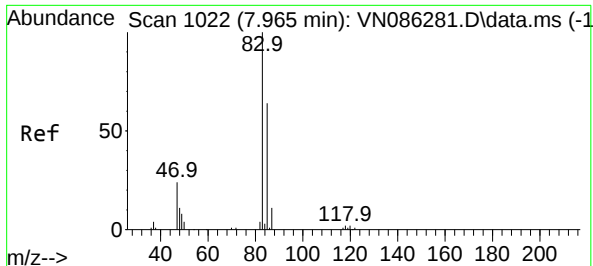
Tgt Ion: 43 Resp: 877
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#



#25
2-Butanone
Concen: 0.434 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086307.D
Acq: 16 Apr 2025 19:16

Tgt Ion: 43 Resp: 767
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#





#30

Chloroform

Concen: 0.207 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN086307.D

Acq: 16 Apr 2025 19:16

Instrument :

MSVOA_N

ClientSampleId :

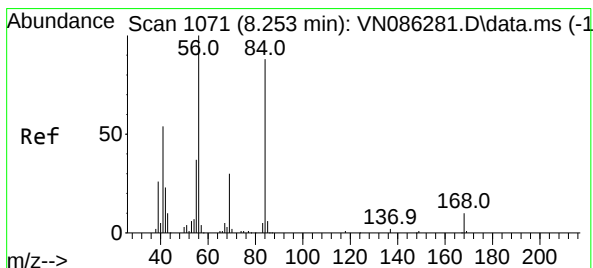
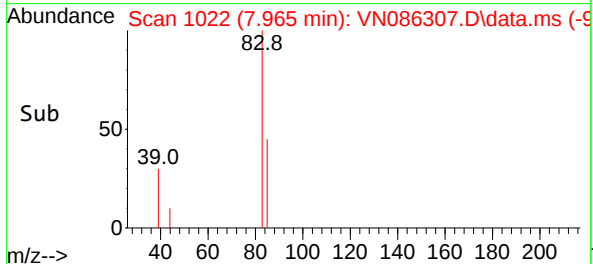
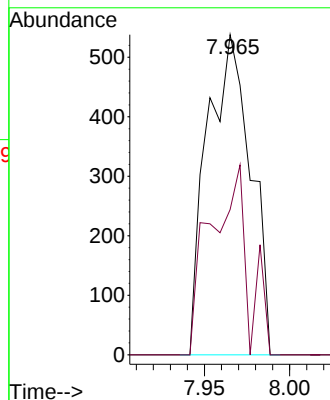
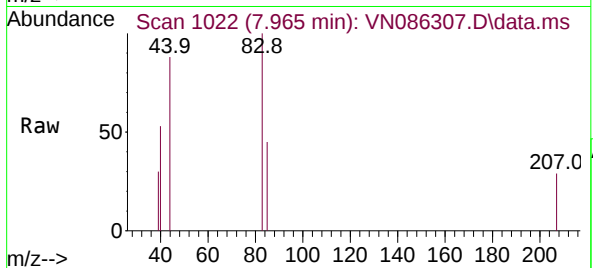
280722

Tgt Ion: 83 Resp: 954

Ion Ratio Lower Upper

83 100

85 45.4 51.5 77.3#



#31

Cyclohexane

Concen: 0.984 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN086307.D

Acq: 16 Apr 2025 19:16

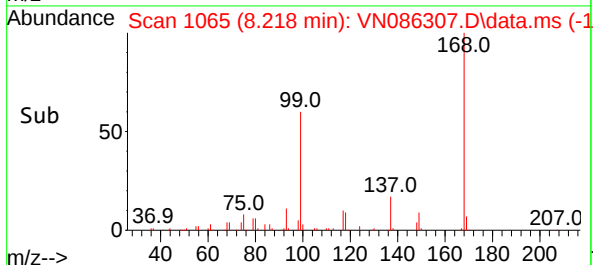
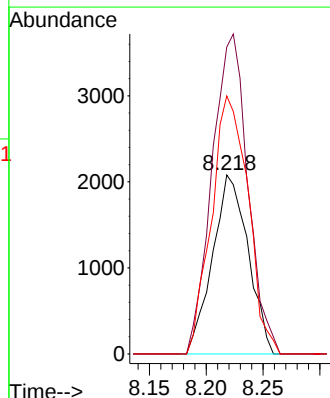
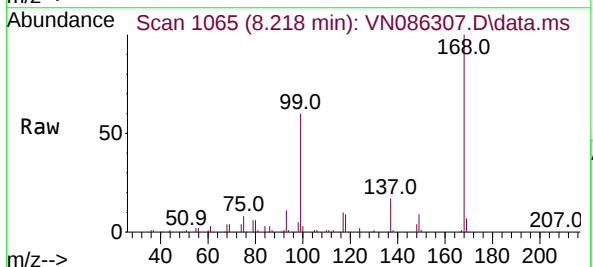
Tgt Ion: 56 Resp: 4526

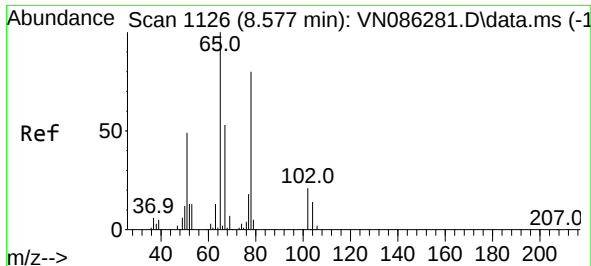
Ion Ratio Lower Upper

56 100

69 171.4 24.2 36.2#

84 144.2 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 48.744 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086307.D

Acq: 16 Apr 2025 19:16

Instrument :

MSVOA_N

ClientSampleId :

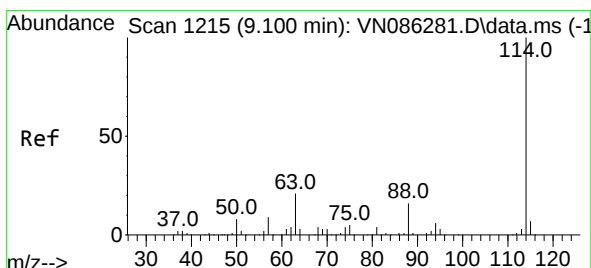
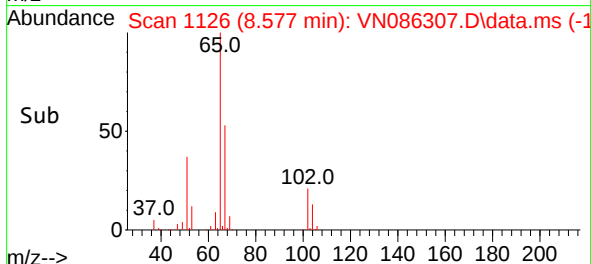
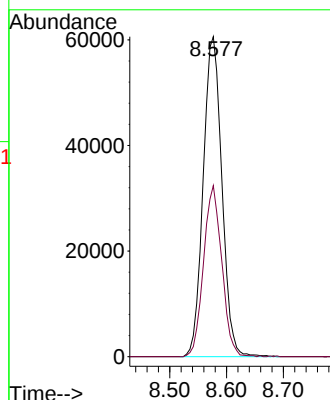
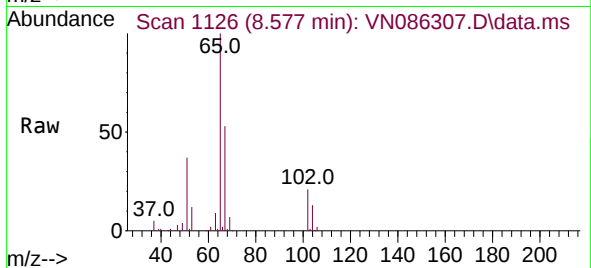
280722

Tgt Ion: 65 Resp: 138406

Ion Ratio Lower Upper

65 100

67 52.1 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: VN086307.D

Acq: 16 Apr 2025 19:16

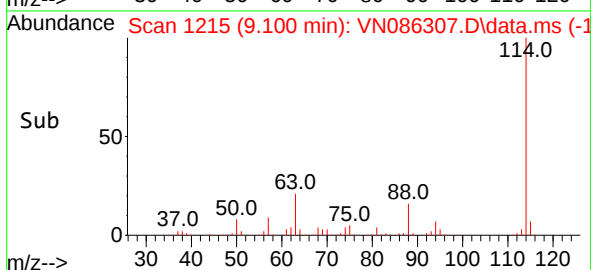
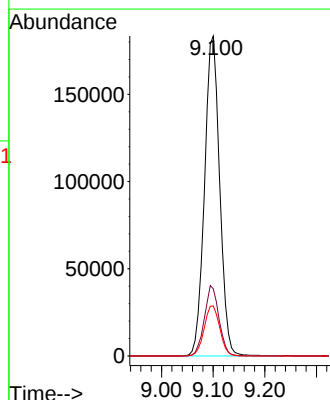
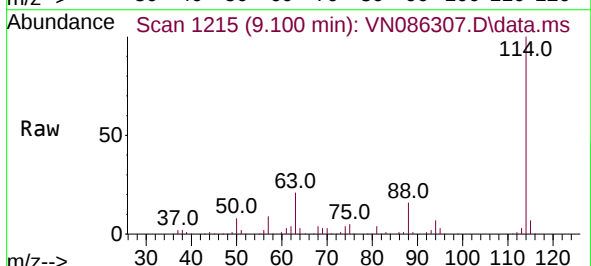
Tgt Ion: 114 Resp: 373519

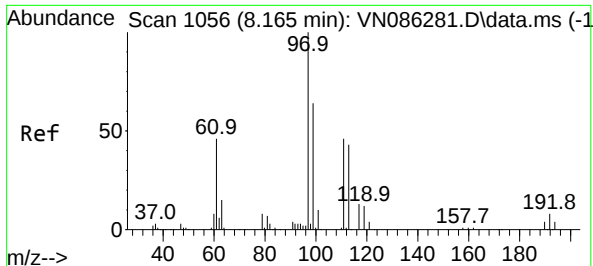
Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

88 15.6 0.0 31.8

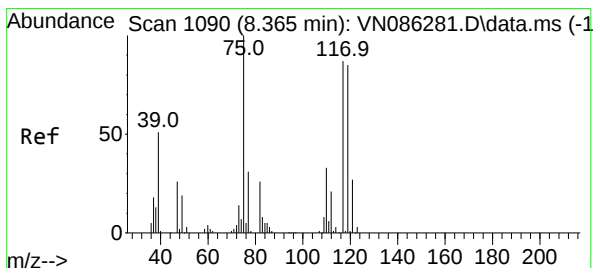
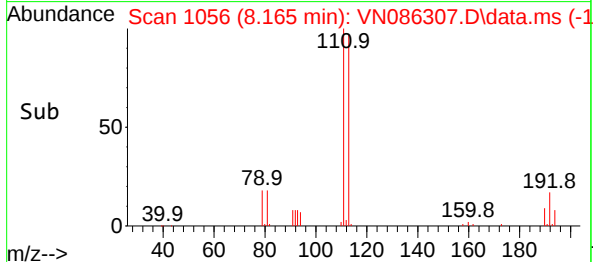
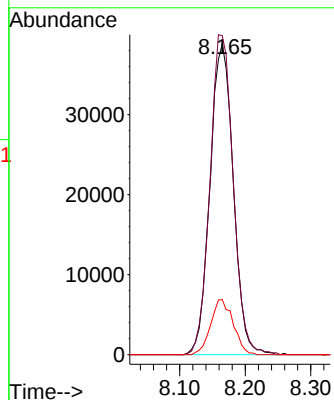
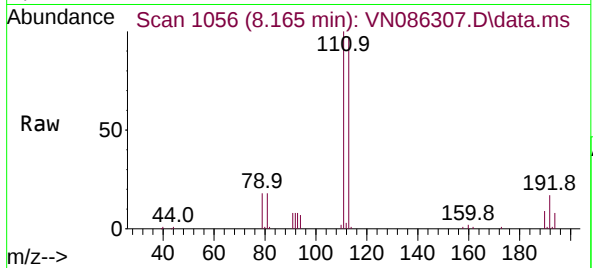




#35
Dibromofluoromethane
Concen: 55.213 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086307.D
Acq: 16 Apr 2025 19:16

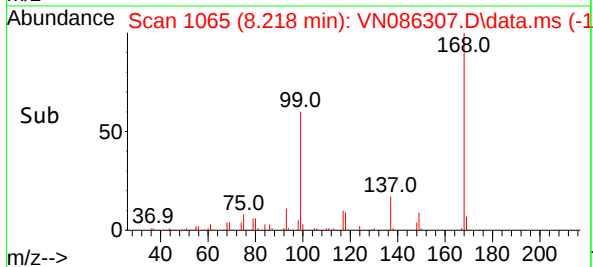
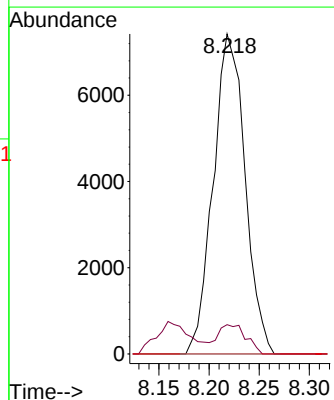
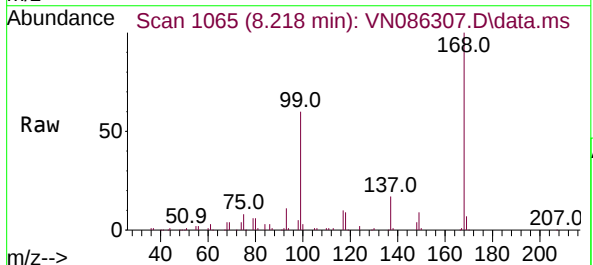
Instrument :
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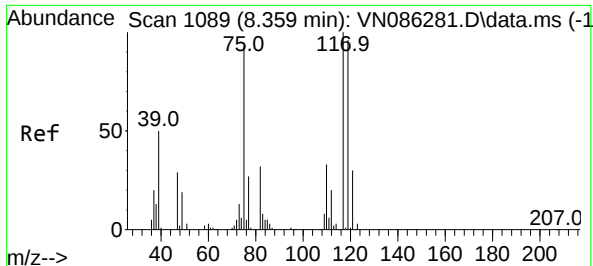
Tgt Ion:113 Resp: 95714
Ion Ratio Lower Upper
113 100
111 102.9 83.4 125.0
192 17.2 13.7 20.5



#36
1,1-Dichloropropene
Concen: 4.722 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN086307.D
Acq: 16 Apr 2025 19:16

Tgt Ion: 75 Resp: 16351
Ion Ratio Lower Upper
75 100
110 8.1 16.8 50.4#
77 0.0 24.9 37.3#

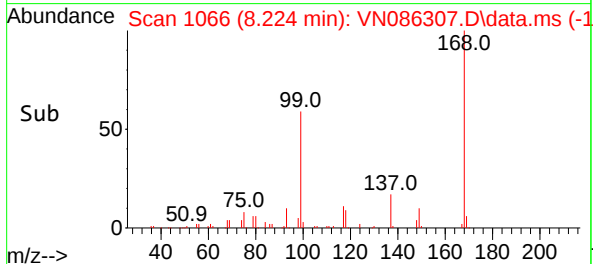
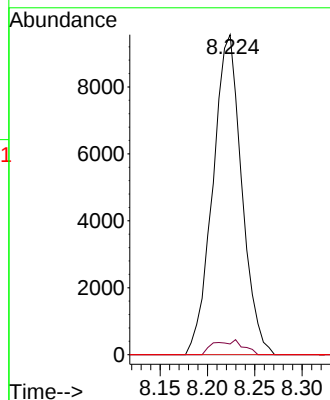
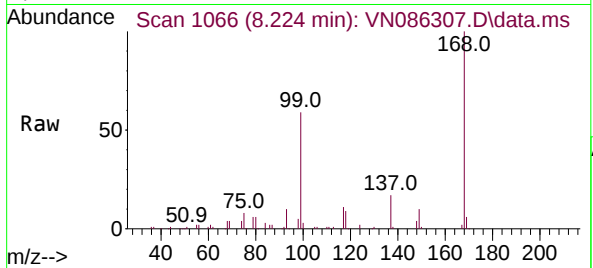




#38
Carbon Tetrachloride
Concen: 6.156 ug/l
RT: 8.224 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN086307.D
Acq: 16 Apr 2025 19:16

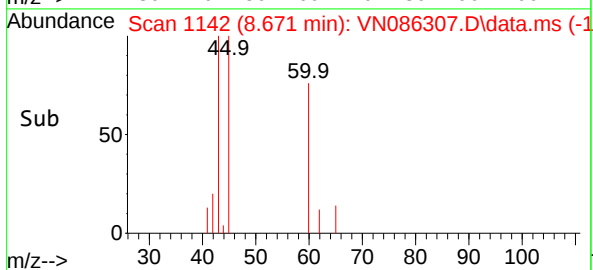
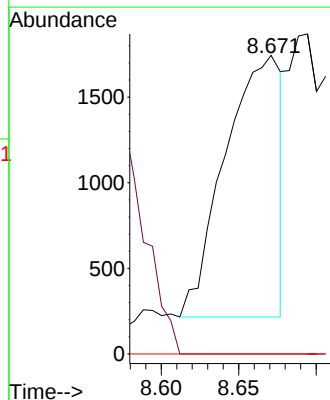
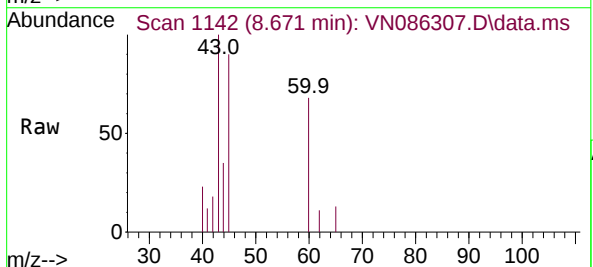
Instrument :
MSVOA_N
ClientSampleId :
280722

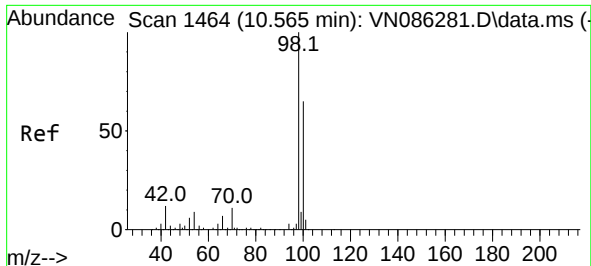
Tgt Ion:117 Resp: 20299
Ion Ratio Lower Upper
117 100
119 3.3 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.671 min Scan# 1142
Delta R.T. -0.012 min
Lab File: VN086307.D
Acq: 16 Apr 2025 19:16

Tgt Ion: 43 Resp: 3838
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 10.5 15.7#

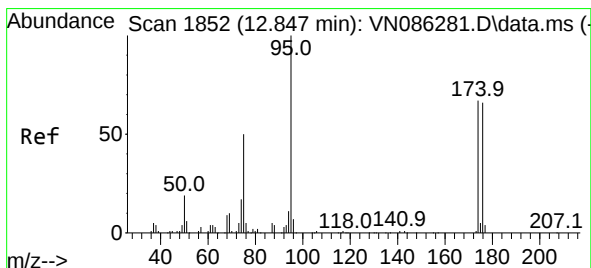
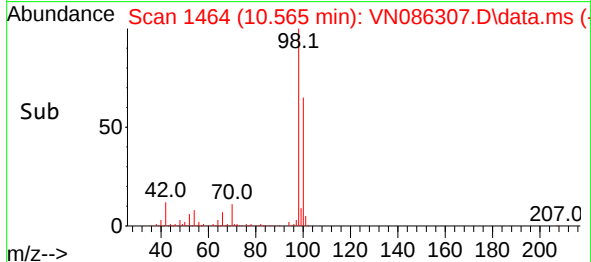
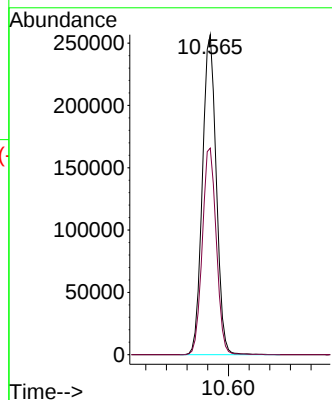
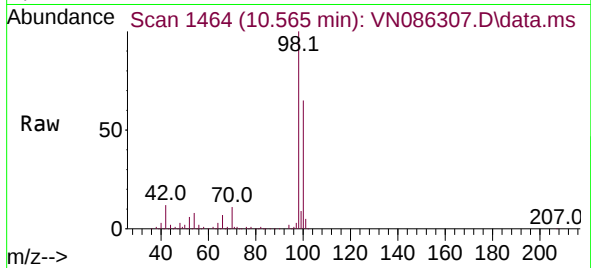




#50
Toluene-d8
Concen: 51.539 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086307.D
Acq: 16 Apr 2025 19:16

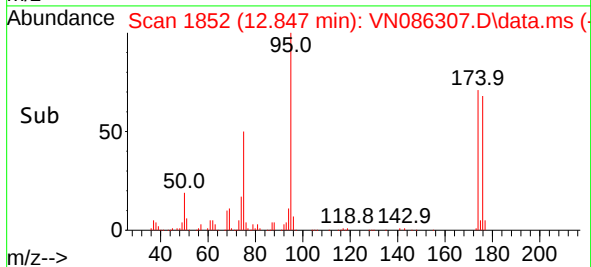
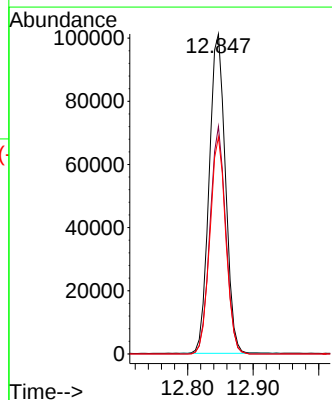
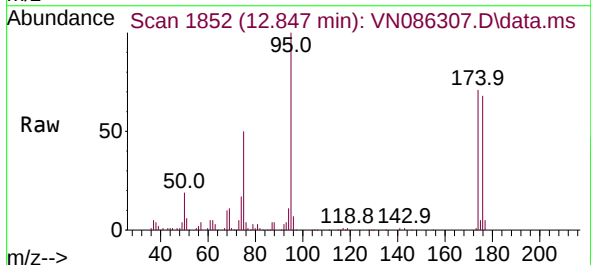
Instrument :
MSVOA_N
ClientSampleId :
280722

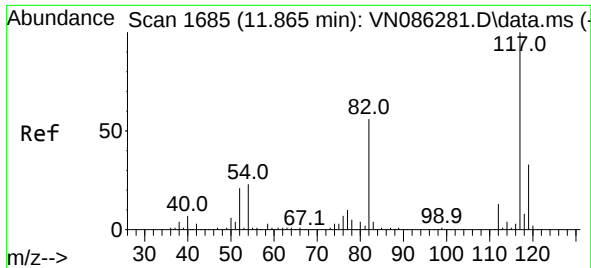
Tgt Ion: 98 Resp: 477509
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 51.598 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086307.D
Acq: 16 Apr 2025 19:16

Tgt Ion: 95 Resp: 174365
Ion Ratio Lower Upper
95 100
174 69.2 0.0 133.4
176 66.3 0.0 129.2

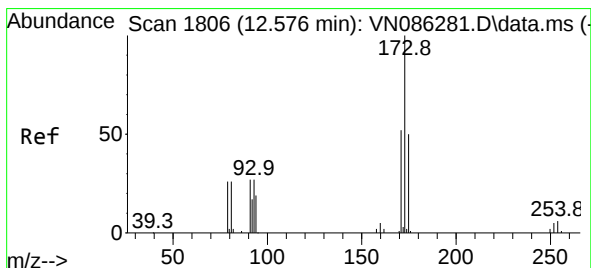
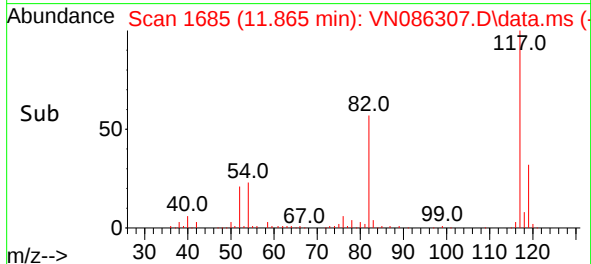
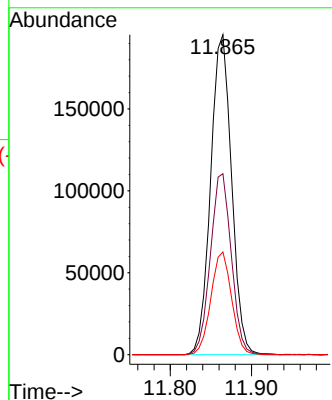
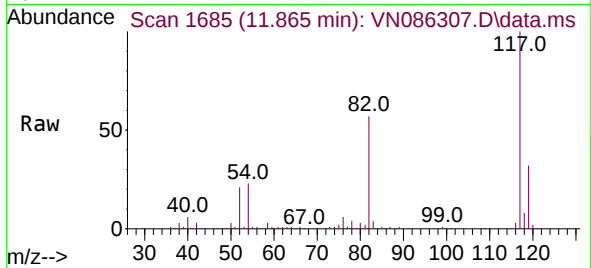




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN086307.D
Acq: 16 Apr 2025 19:16

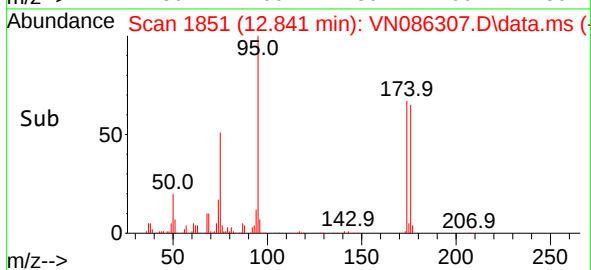
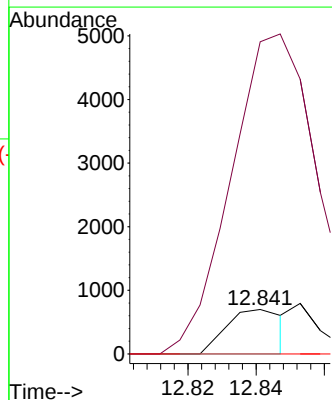
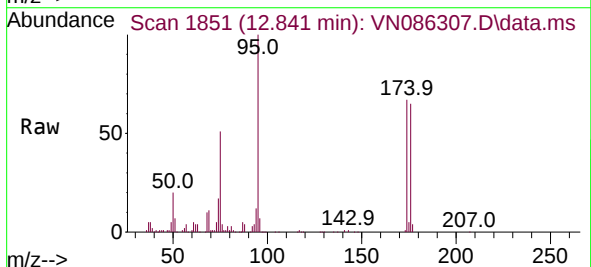
Instrument :
MSVOA_N
ClientSampleId :
280722

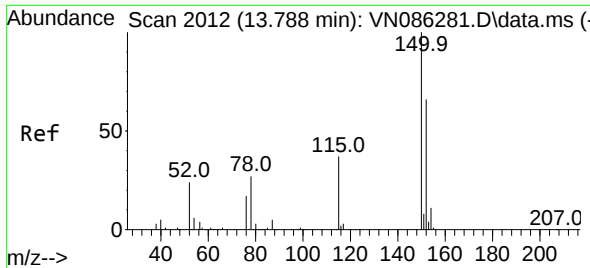
Tgt Ion:117 Resp: 349748
Ion Ratio Lower Upper
117 100
82 56.5 44.7 67.1
119 32.1 26.4 39.6



#71
Bromoform
Concen: 0.416 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN086307.D
Acq: 16 Apr 2025 19:16

Tgt Ion:173 Resp: 807
Ion Ratio Lower Upper
173 100
175 904.3 24.6 73.6#
254 0.0 0.0 0.0

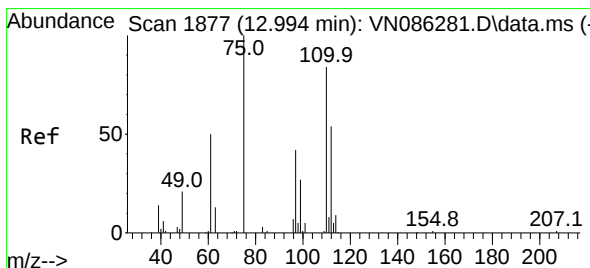
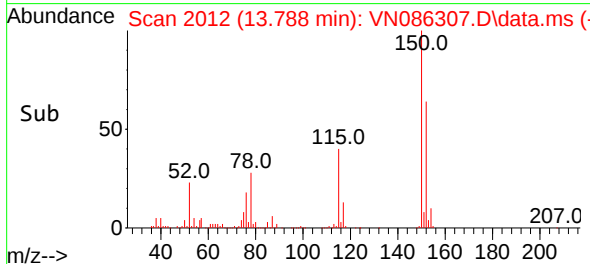
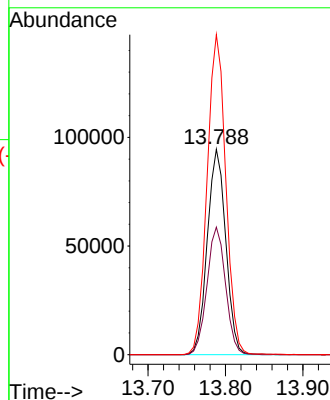
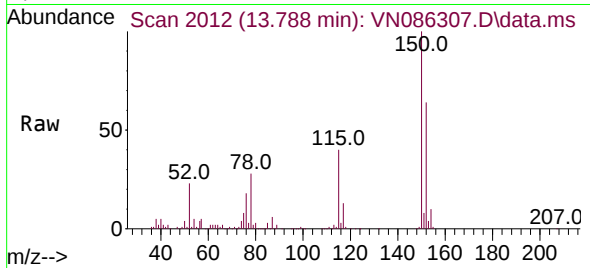




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN086307.D
 Acq: 16 Apr 2025 19:16

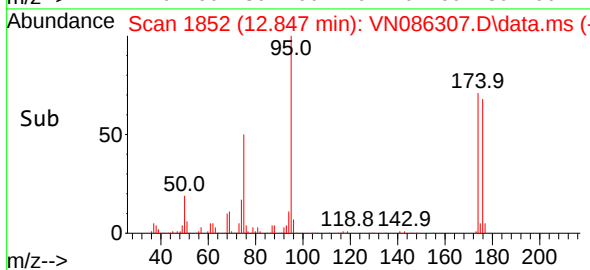
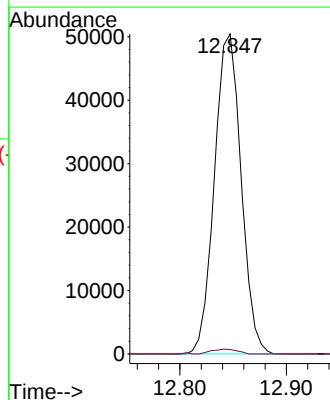
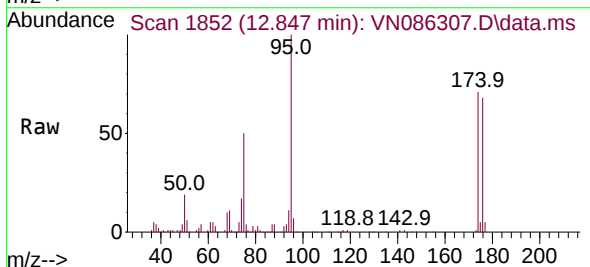
Instrument :
 MSVOA_N
 ClientSampleId :
 280722

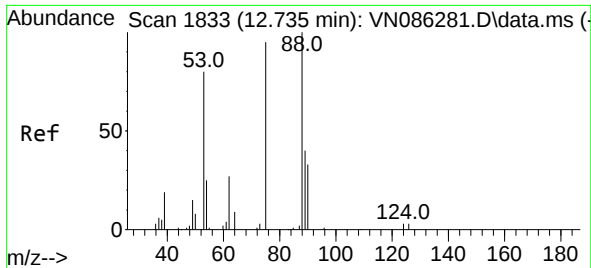
Tgt Ion:152 Resp: 156915
 Ion Ratio Lower Upper
 152 100
 115 62.4 31.9 95.9
 150 157.2 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 23.665 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN086307.D
 Acq: 16 Apr 2025 19:16

Tgt Ion: 75 Resp: 87629
 Ion Ratio Lower Upper
 75 100
 77 1.5 98.8 296.4#





#81
trans-1,4-Dichloro-2-butene
Concen: 56.834 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN086307.D
Acq: 16 Apr 2025 19:16

Instrument :
MSVOA_N
ClientSampleId :
280722

Tgt Ion: 75 Resp: 87629
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

