

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041625\
 Data File : VN086309.D
 Acq On : 16 Apr 2025 20:04
 Operator : JC\MD
 Sample : Q1791-13 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 279312

Quant Time: Apr 17 03:09:37 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)

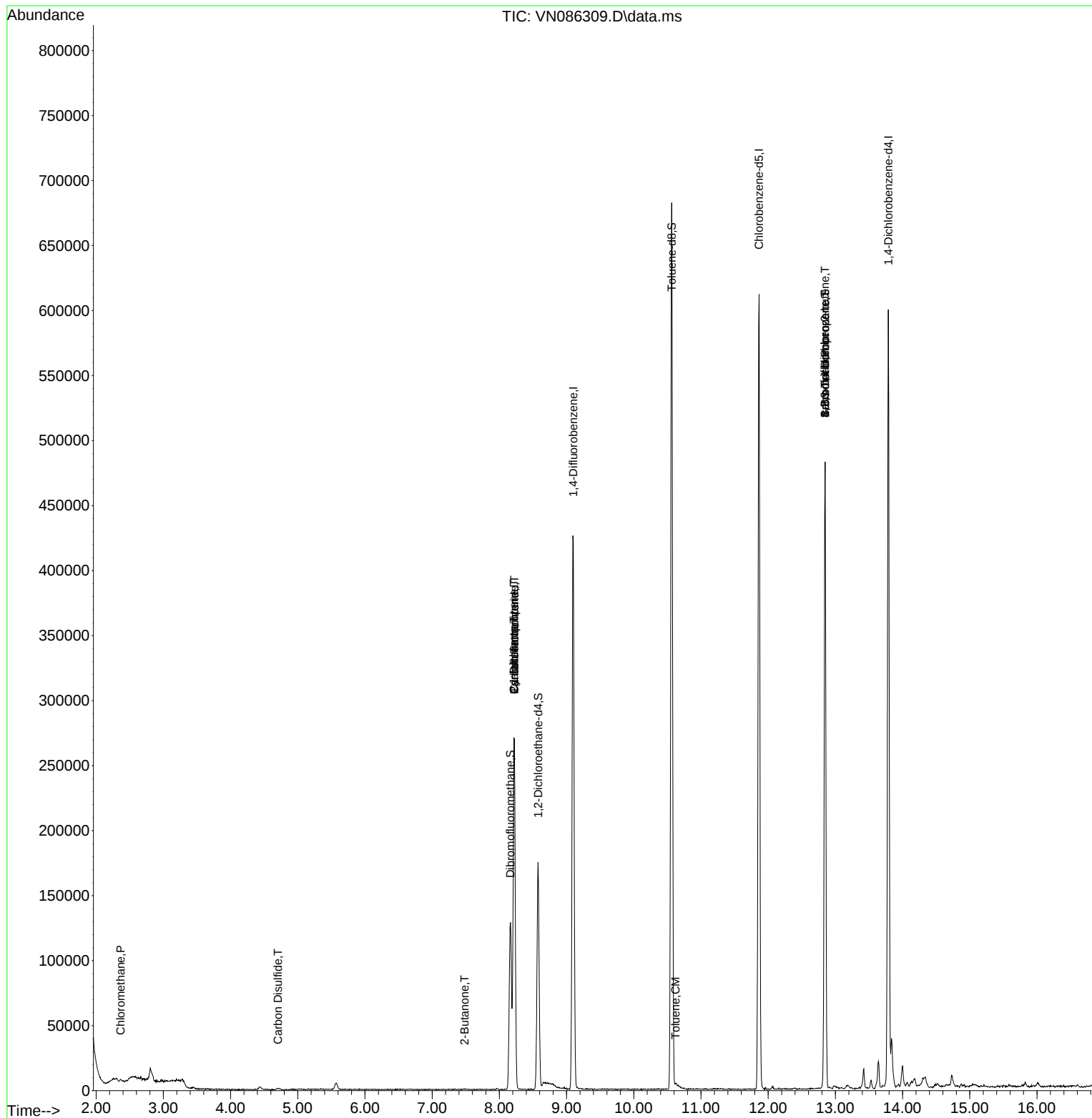
Internal Standards						
1) Pentafluorobenzene	8.224	168	198751	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	383918	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	357509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	160592	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	141012	48.927	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.860%			
35) Dibromofluoromethane	8.165	113	98133	55.075	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.140%			
50) Toluene-d8	10.565	98	482657	50.684	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.360%			
62) 4-Bromofluorobenzene	12.847	95	180094	51.850	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.700%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1152	0.336	ug/l #	87
13) Acrolein	4.195	56	61	Below Cal	#	72
16) Acetone	4.436	43	4415	Below Cal	#	82
17) Carbon Disulfide	4.706	76	2239	0.320	ug/l #	74
25) 2-Butanone	7.483	43	781	0.435	ug/l #	48
31) Cyclohexane	8.218	56	4442	0.951	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	17084	4.800	ug/l #	49
38) Carbon Tetrachloride	8.224	117	20114	5.935	ug/l #	15
43) Isopropyl Acetate	8.677	43	5315	Below Cal	#	55
52) Toluene	10.624	92	1601	0.225	ug/l	98
71) Bromoform	12.847	173	814	0.411	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	89716	23.673	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	89716	56.855	ug/l #	10

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

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MSVOA_N
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279312

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Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

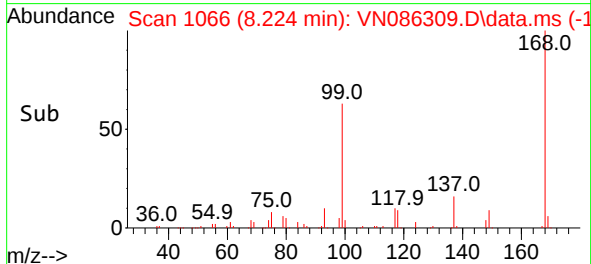
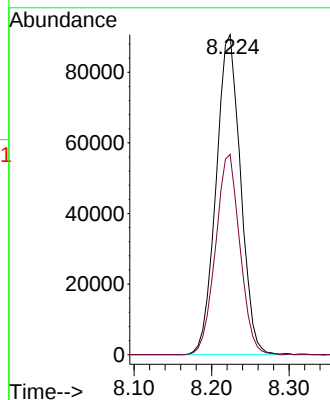
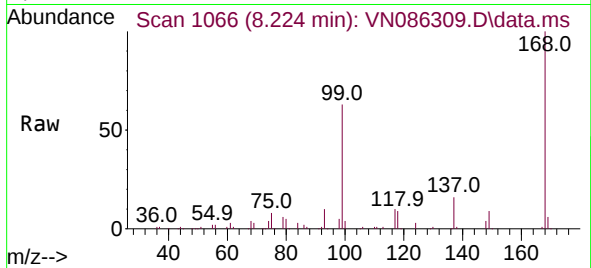




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086309.D
Acq: 16 Apr 2025 20:04

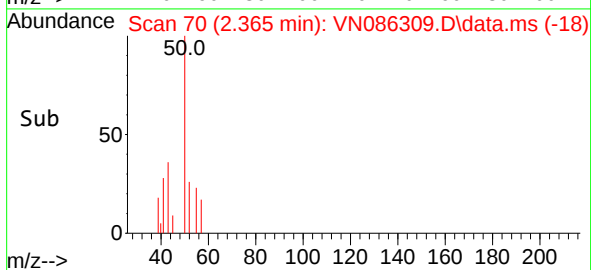
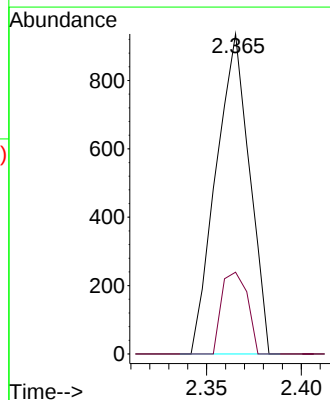
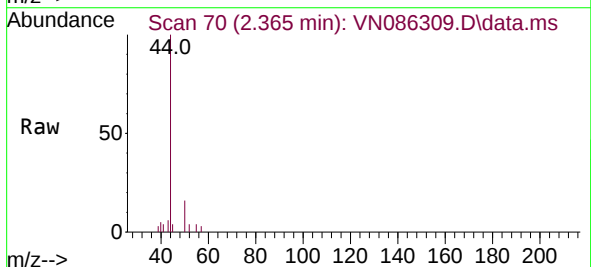
Instrument :
MSVOA_N
ClientSampleId :
279312

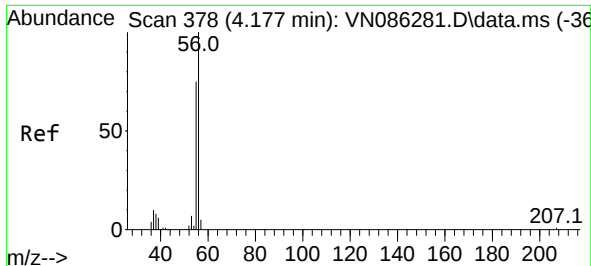
Tgt Ion:168 Resp: 198751
Ion Ratio Lower Upper
168 100
99 62.6 52.5 78.7



#3
Chloromethane
Concen: 0.336 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086309.D
Acq: 16 Apr 2025 20:04

Tgt Ion: 50 Resp: 1152
Ion Ratio Lower Upper
50 100
52 25.5 26.5 39.7#





#13

Acrolein

Concen: Below Cal

RT: 4.195 min Scan# 381

Delta R.T. 0.018 min

Lab File: VN086309.D

Acq: 16 Apr 2025 20:04

Instrument :

MSVOA_N

ClientSampleId :

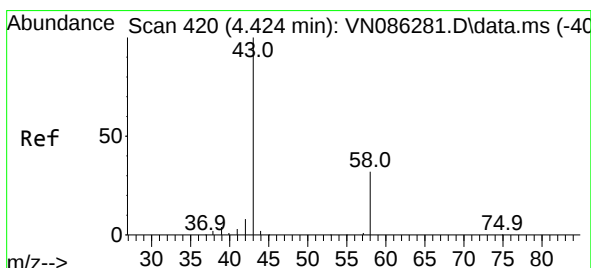
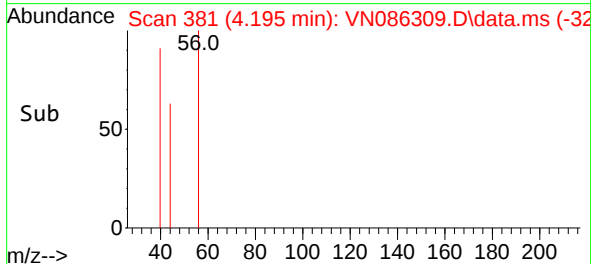
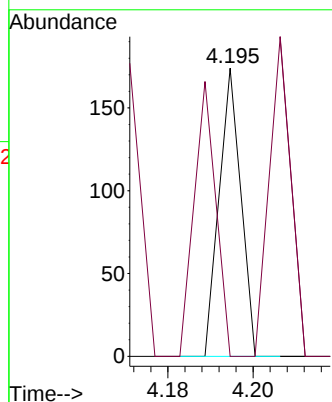
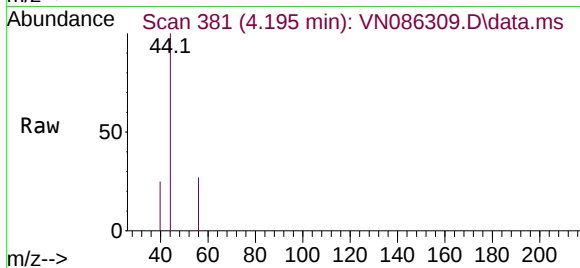
279312

Tgt Ion: 56 Resp: 61

Ion Ratio Lower Upper

56 100

55 96.7 58.5 87.7#



#16

Acetone

Concen: Below Cal

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN086309.D

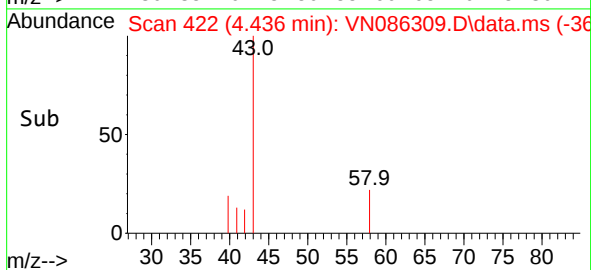
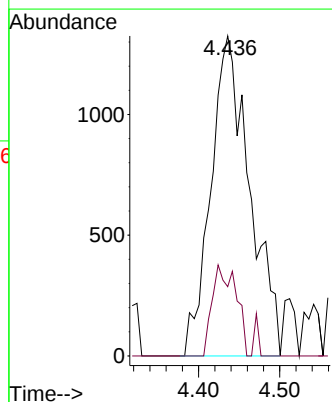
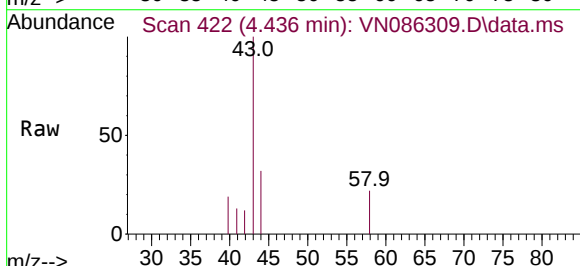
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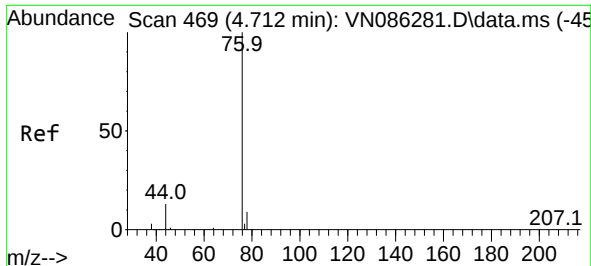
Tgt Ion: 43 Resp: 4415

Ion Ratio Lower Upper

43 100

58 21.7 25.3 37.9#

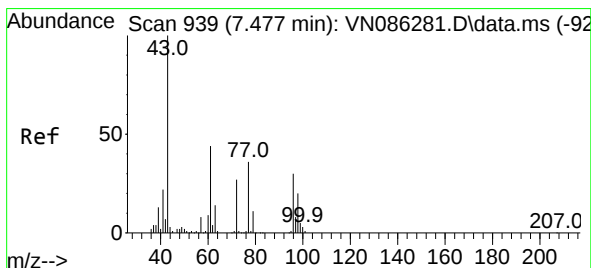
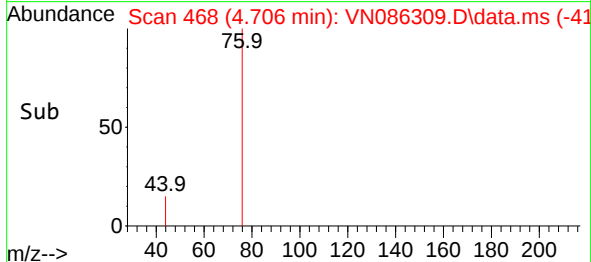
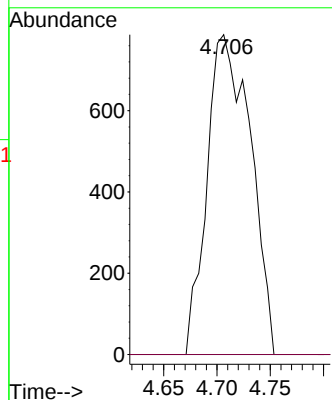
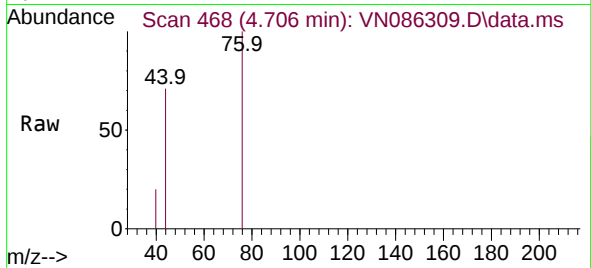




#17
Carbon Disulfide
Concen: 0.320 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN086309.D
Acq: 16 Apr 2025 20:04

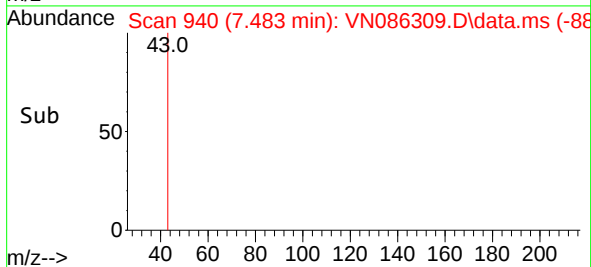
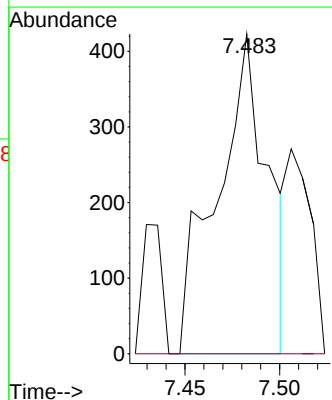
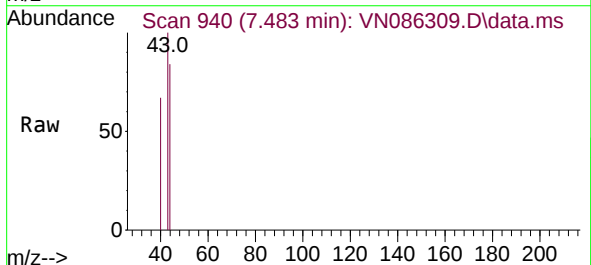
Instrument :
MSVOA_N
ClientSampleId :
279312

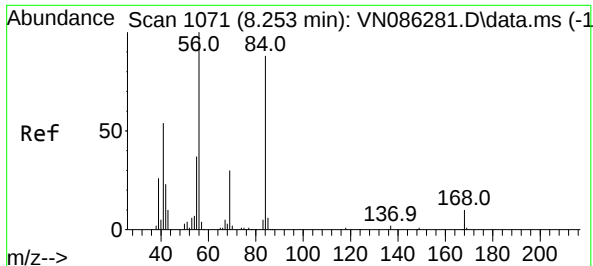
Tgt Ion: 76 Resp: 2239
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#25
2-Butanone
Concen: 0.435 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086309.D
Acq: 16 Apr 2025 20:04

Tgt Ion: 43 Resp: 781
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#

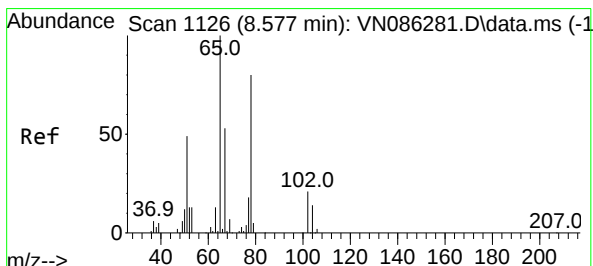
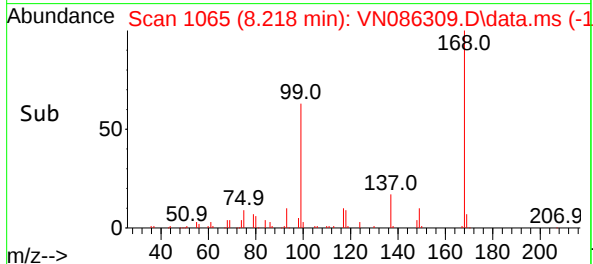
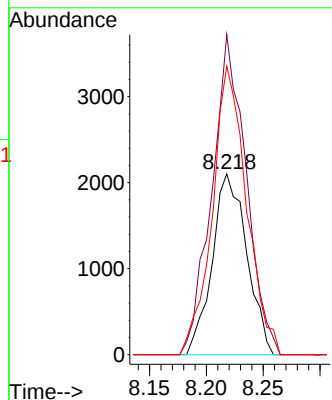
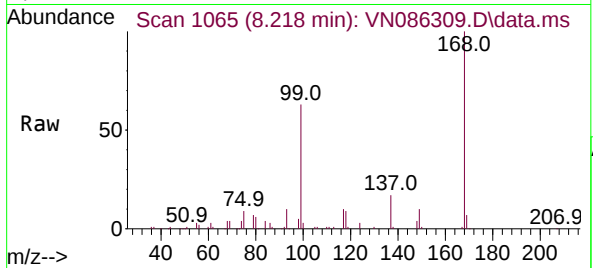




#31
Cyclohexane
Concen: 0.951 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086309.D
Acq: 16 Apr 2025 20:04

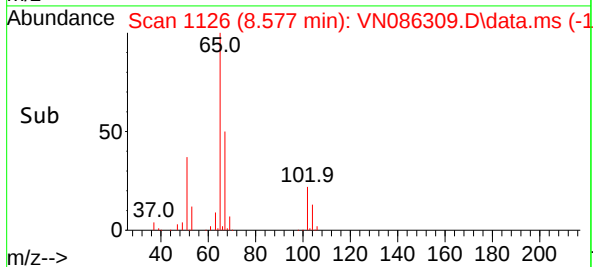
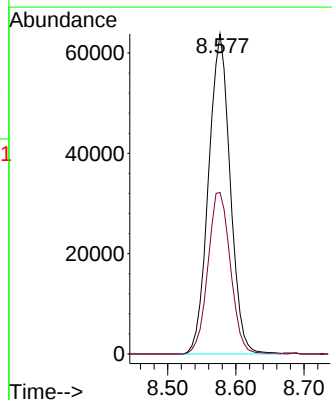
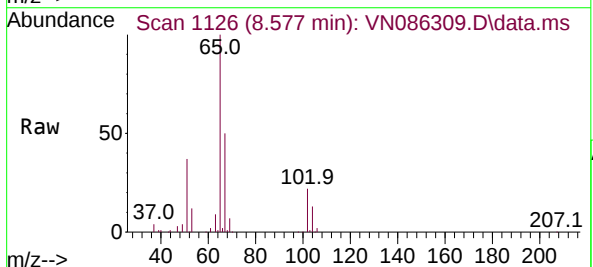
Instrument :
MSVOA_N
ClientSampleId :
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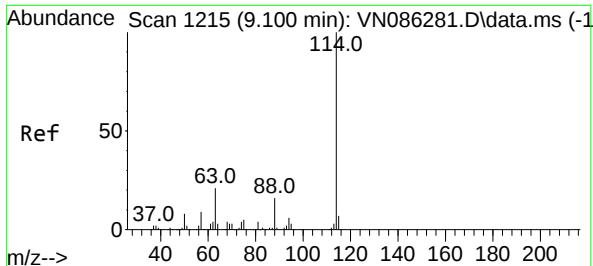
Tgt Ion: 56 Resp: 4442
Ion Ratio Lower Upper
56 100
69 177.0 24.2 36.2#
84 159.5 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 48.927 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086309.D
Acq: 16 Apr 2025 20:04

Tgt Ion: 65 Resp: 141012
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.0

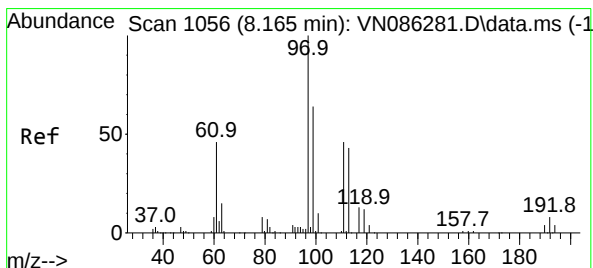
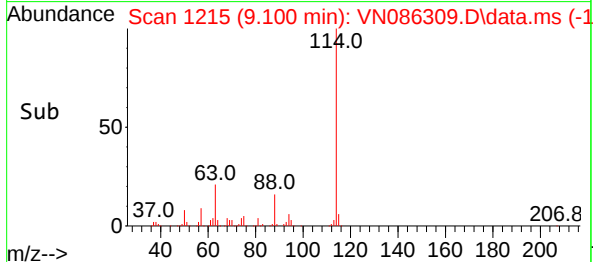
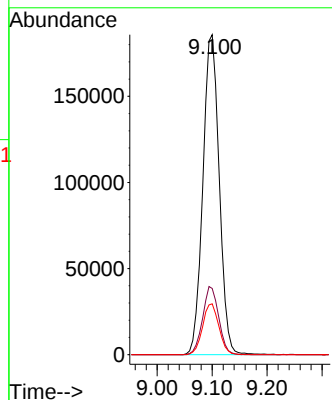
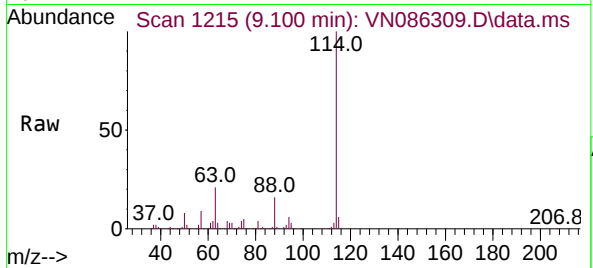




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086309.D
Acq: 16 Apr 2025 20:04

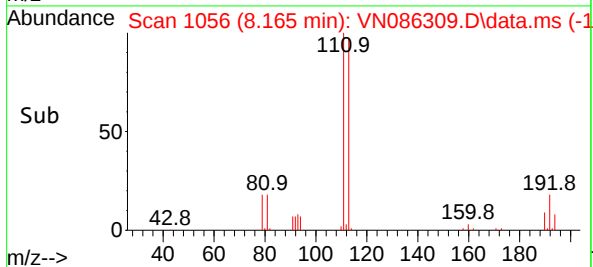
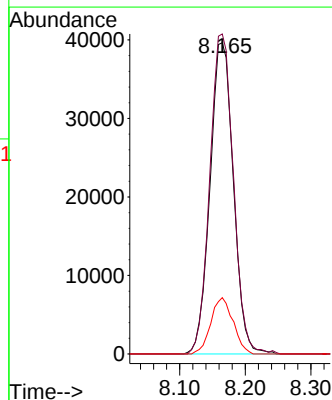
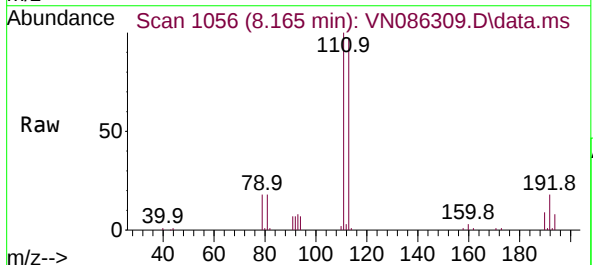
Instrument :
MSVOA_N
ClientSampleId :
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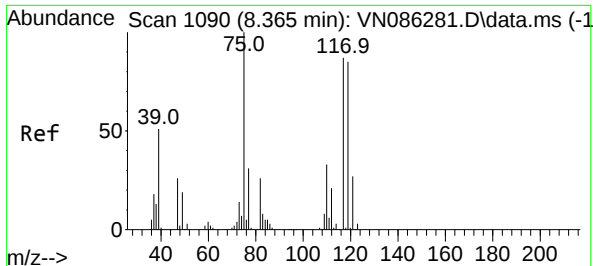
Tgt Ion:114 Resp: 383918
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.6
88 15.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 55.075 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086309.D
Acq: 16 Apr 2025 20:04

Tgt Ion:113 Resp: 98133
Ion Ratio Lower Upper
113 100
111 103.4 83.4 125.0
192 17.2 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.800 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086309.D

Acq: 16 Apr 2025 20:04

Instrument :

MSVOA_N

ClientSampleId :

279312

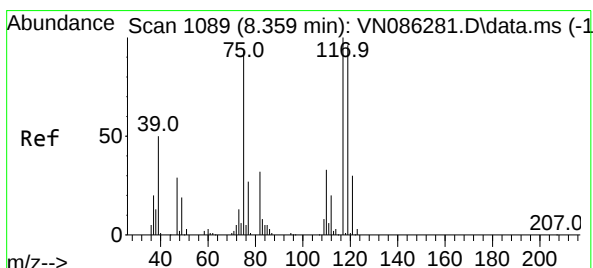
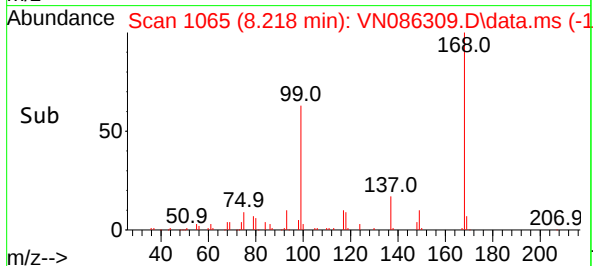
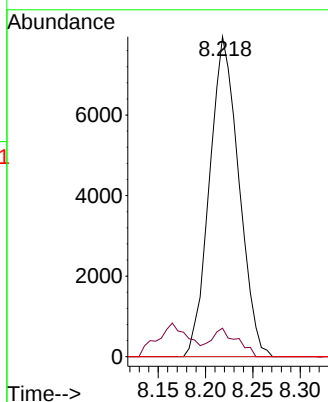
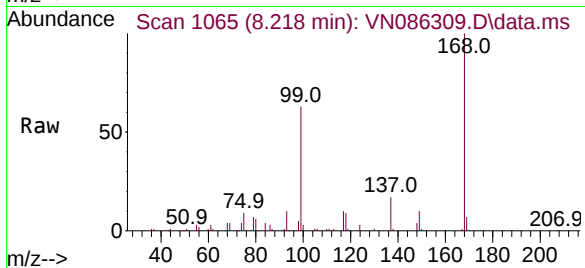
Tgt Ion: 75 Resp: 17084

Ion Ratio Lower Upper

75 100

110 8.0 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.935 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086309.D

Acq: 16 Apr 2025 20:04

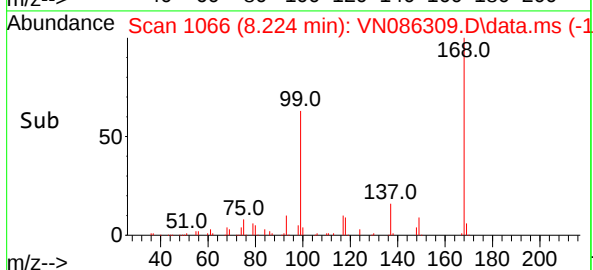
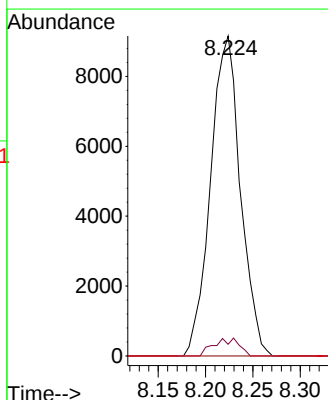
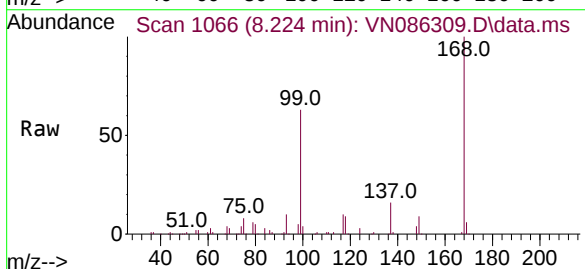
Tgt Ion: 117 Resp: 20114

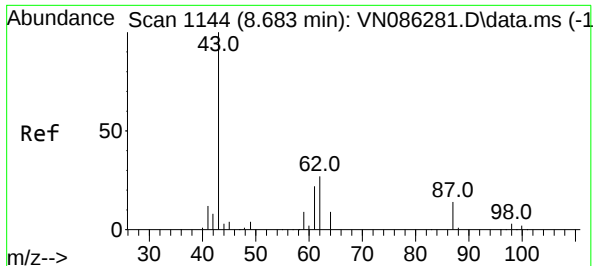
Ion Ratio Lower Upper

117 100

119 3.7 76.8 115.2#

121 0.0 23.8 35.8#

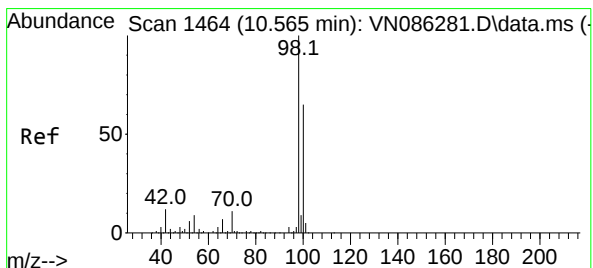
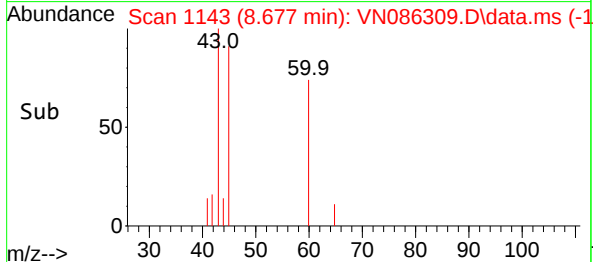
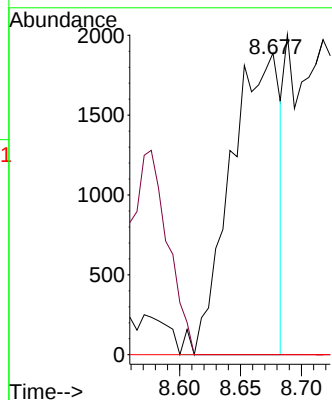
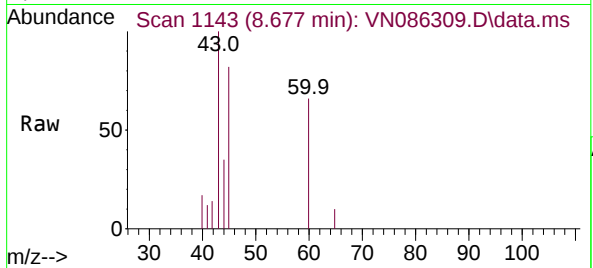




#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.677 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VN086309.D
Acq: 16 Apr 2025 20:04

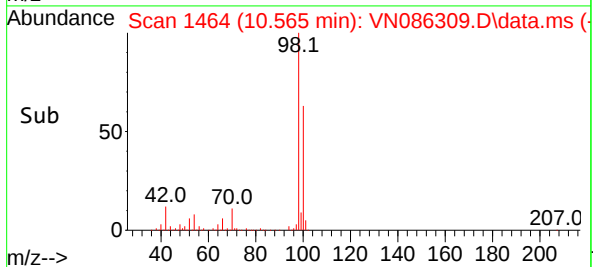
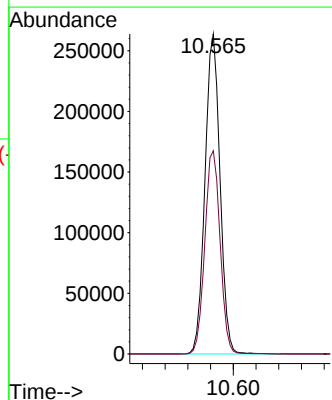
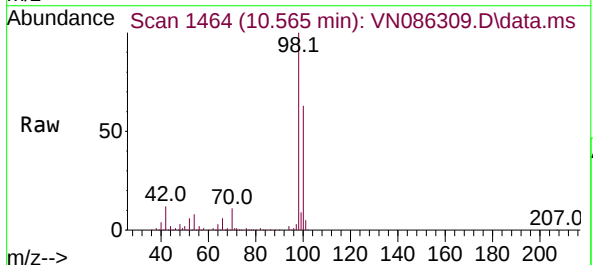
Instrument :
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279312

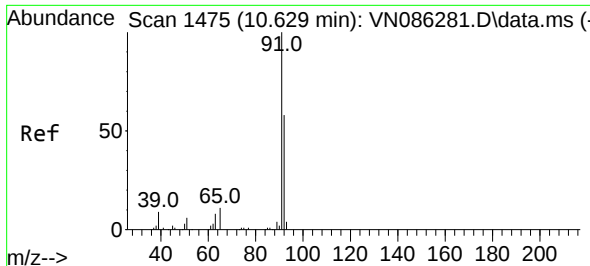
Tgt Ion: 43 Resp: 5315
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 10.5 15.7#



#50
Toluene-d8
Concen: 50.684 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086309.D
Acq: 16 Apr 2025 20:04

Tgt Ion: 98 Resp: 482657
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7

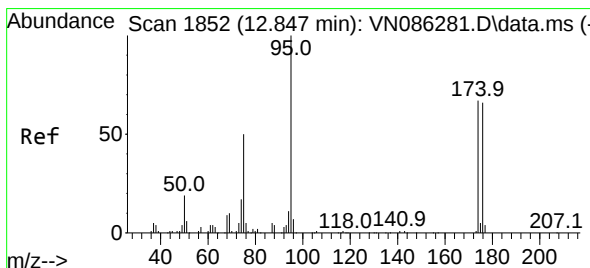
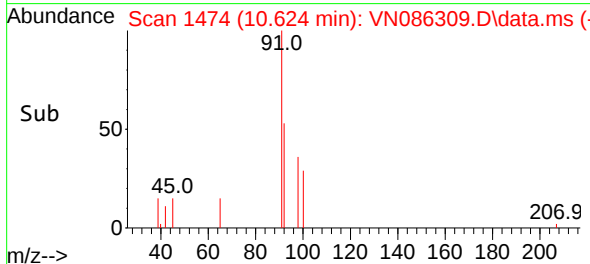
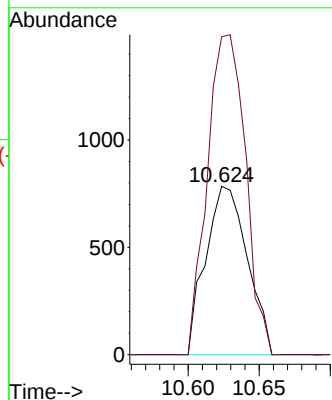
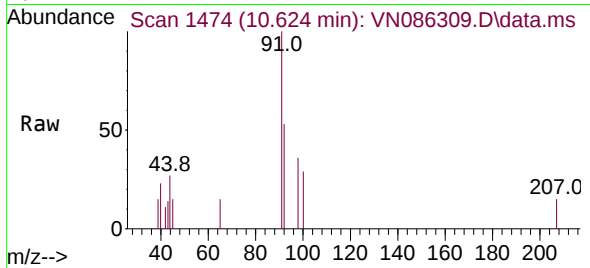




#52
Toluene
Concen: 0.225 ug/l
RT: 10.624 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086309.D
Acq: 16 Apr 2025 20:04

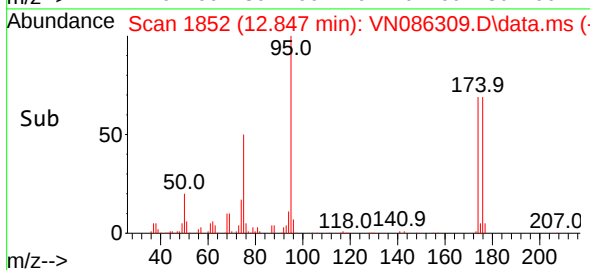
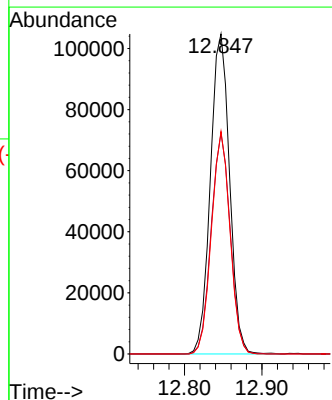
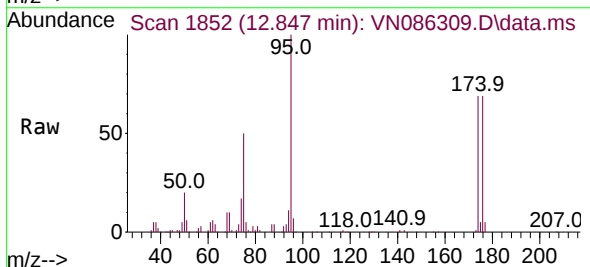
Instrument :
MSVOA_N
ClientSampleId :
279312

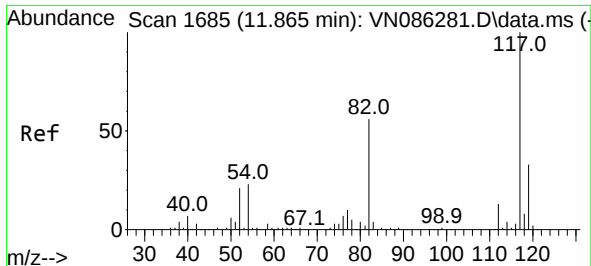
Tgt Ion: 92 Resp: 1601
Ion Ratio Lower Upper
92 100
91 174.1 137.3 205.9



#62
4-Bromofluorobenzene
Concen: 51.850 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086309.D
Acq: 16 Apr 2025 20:04

Tgt Ion: 95 Resp: 180094
Ion Ratio Lower Upper
95 100
174 68.5 0.0 133.4
176 67.1 0.0 129.2

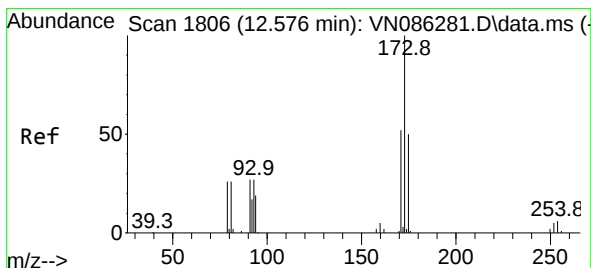
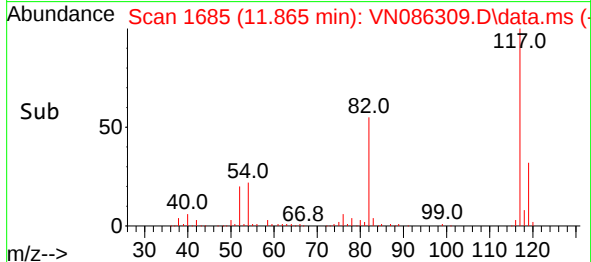
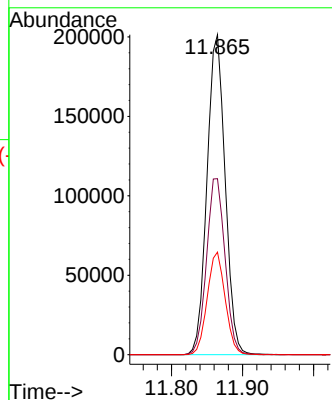
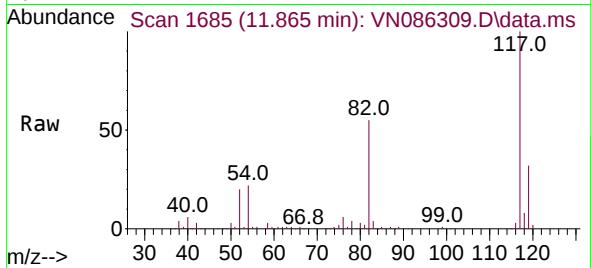




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN086309.D
Acq: 16 Apr 2025 20:04

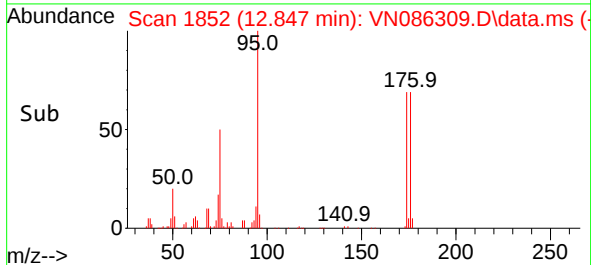
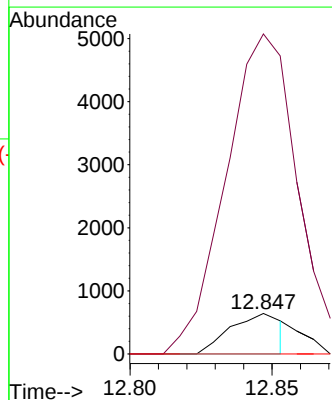
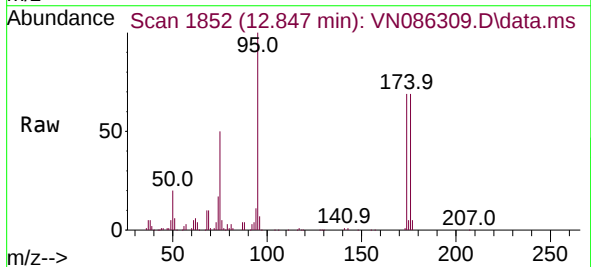
Instrument :
MSVOA_N
ClientSampleId :
279312

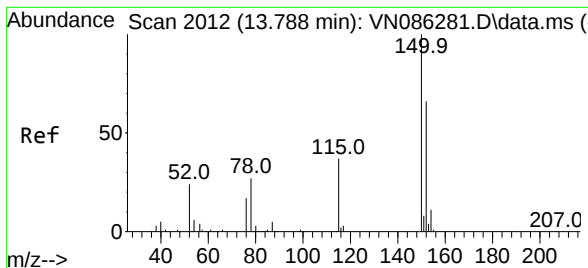
Tgt Ion:117 Resp: 357509
Ion Ratio Lower Upper
117 100
82 55.0 44.7 67.1
119 32.0 26.4 39.6



#71
Bromoform
Concen: 0.411 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN086309.D
Acq: 16 Apr 2025 20:04

Tgt Ion:173 Resp: 814
Ion Ratio Lower Upper
173 100
175 881.8 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: VN086309.D

Acq: 16 Apr 2025 20:04

Instrument :

MSVOA_N

ClientSampleId :

279312

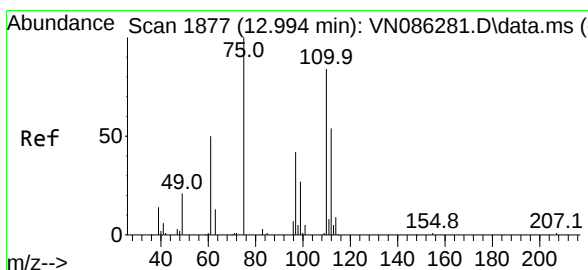
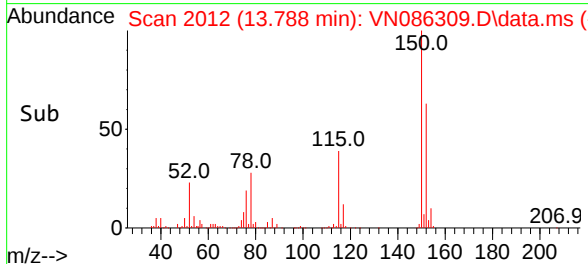
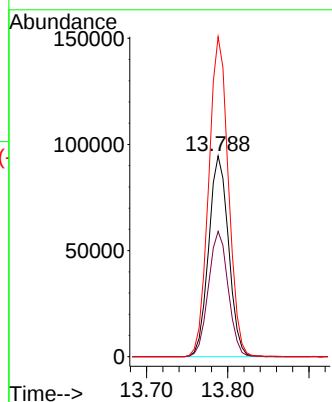
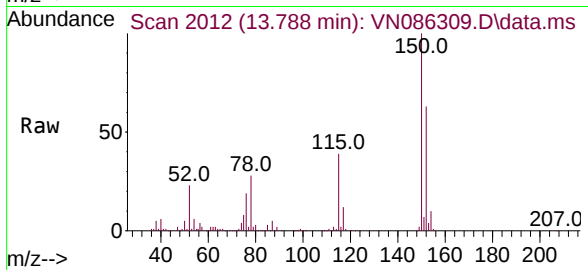
Tgt Ion:152 Resp: 160592

Ion Ratio Lower Upper

152 100

115 62.1 31.9 95.9

150 158.2 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 23.673 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086309.D

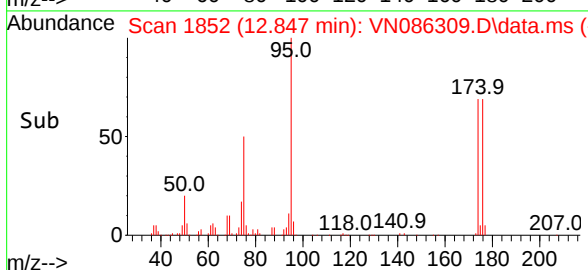
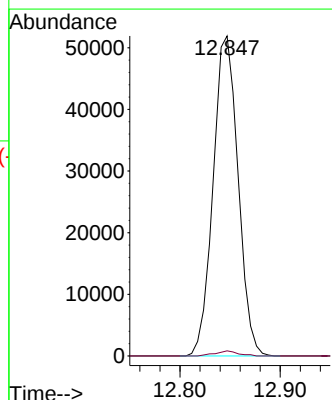
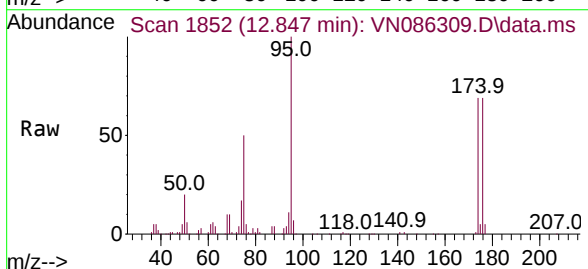
Acq: 16 Apr 2025 20:04

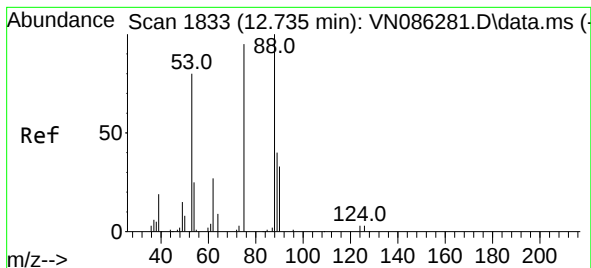
Tgt Ion: 75 Resp: 89716

Ion Ratio Lower Upper

75 100

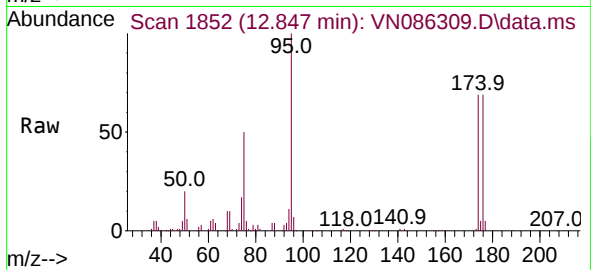
77 1.4 98.8 296.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.855 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086309.D
 Acq: 16 Apr 2025 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 279312



Tgt Ion: 75 Resp: 89716
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.2 118.8#
 89 0.0 35.7 53.5#

