

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070825\
 Data File : VN087303.D
 Acq On : 08 Jul 2025 16:39
 Operator : JC\MD
 Sample : Q2480-08 1000X
 Misc : 8.95g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GPX8

Quant Time: Jul 09 01:34:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

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

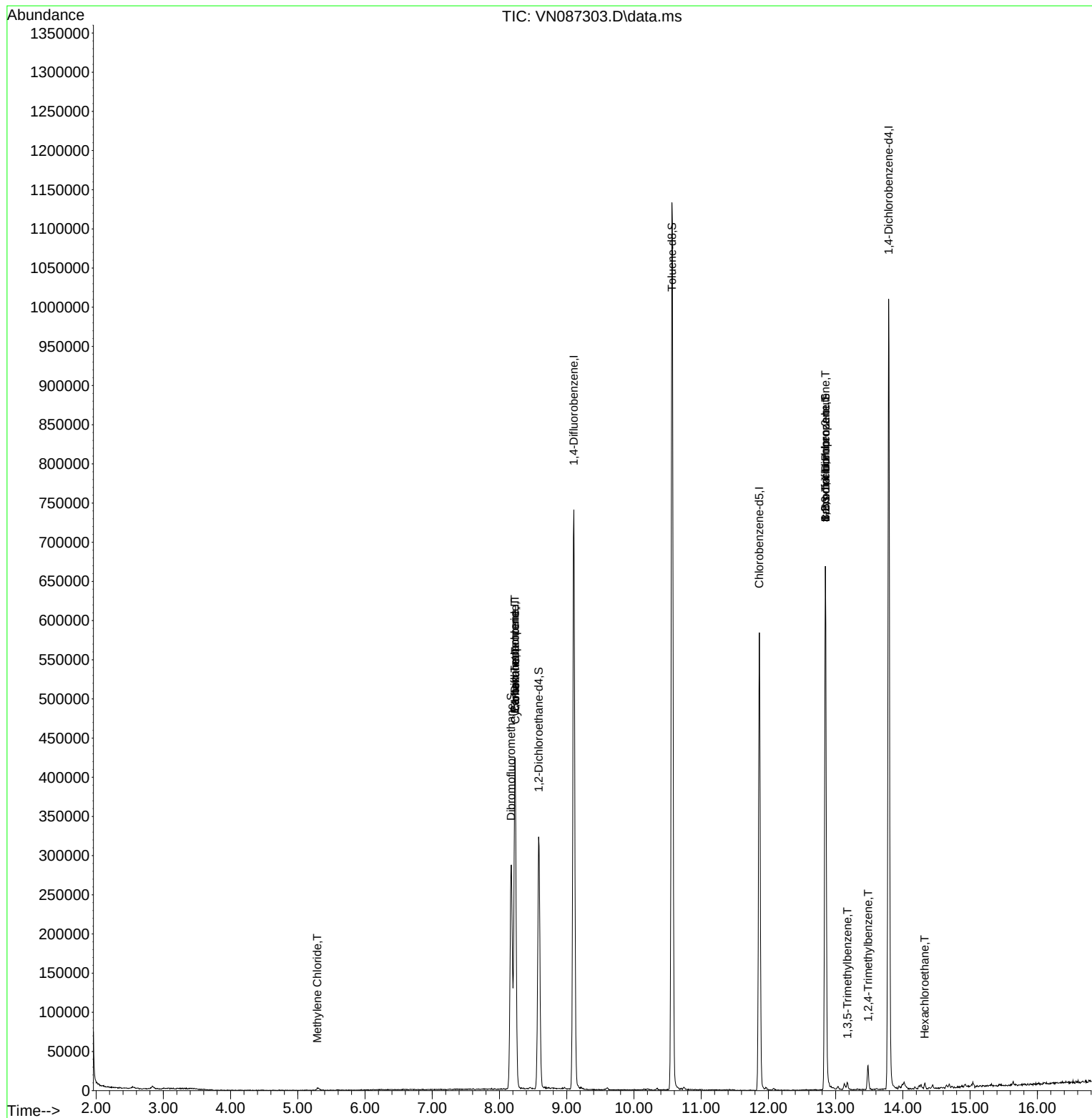
Internal Standards						
1) Pentafluorobenzene	8.230	168	327153	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	653023	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	368457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	288480	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	272053	66.258	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 132.520%#	
35) Dibromofluoromethane	8.171	113	220034	52.623	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.240%	
50) Toluene-d8	10.565	98	814042	49.947	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.900%	
62) 4-Bromofluorobenzene	12.847	95	234633	40.461	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 80.920%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	5.289	84	1508	0.434	ug/l #	69
31) Cyclohexane	8.236	56	7229	1.293	ug/l #	39
36) 1,1-Dichloropropene	8.230	75	25537	4.491	ug/l #	48
38) Carbon Tetrachloride	8.230	117	32426	5.033	ug/l #	17
71) Bromoform	12.847	173	1715	0.779	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	122952	22.407	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.176	105	4294	0.276	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.847	75	122952	52.633	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.482	105	16000	1.028	ug/l	95
90) Hexachloroethane	14.323	117	744	0.242	ug/l #	14

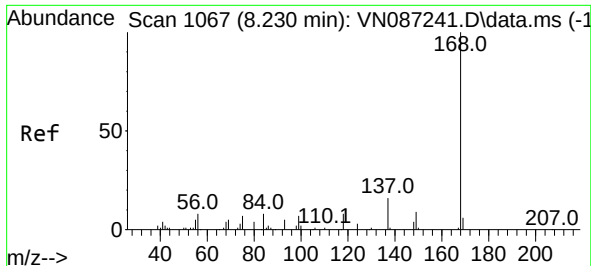
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
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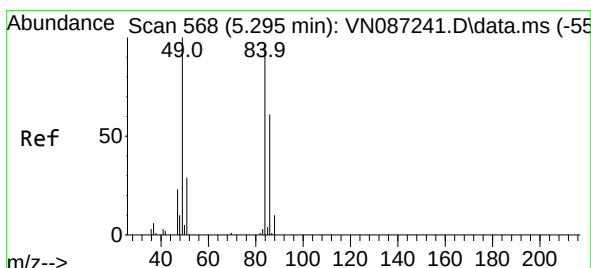
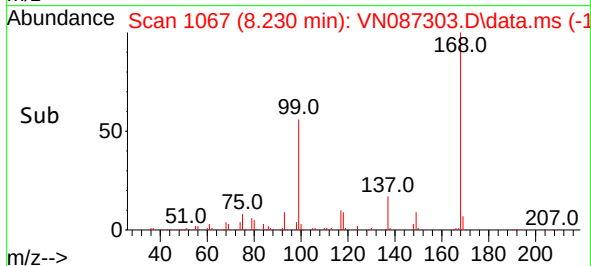
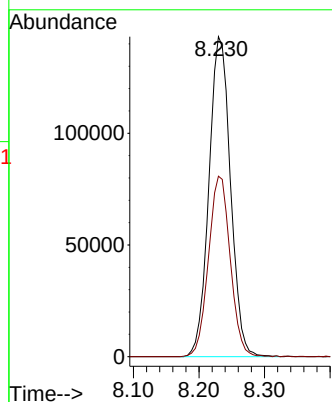
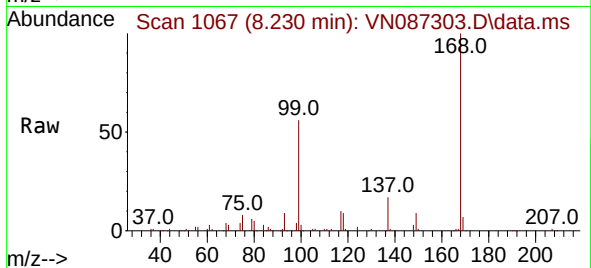




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087303.D
Acq: 08 Jul 2025 16:39

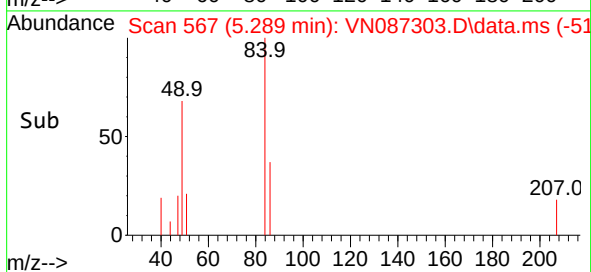
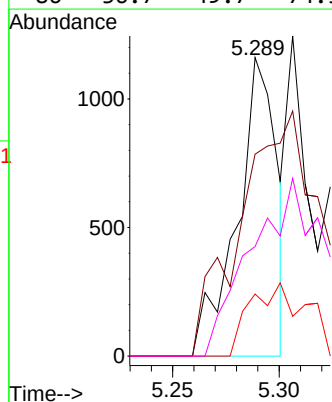
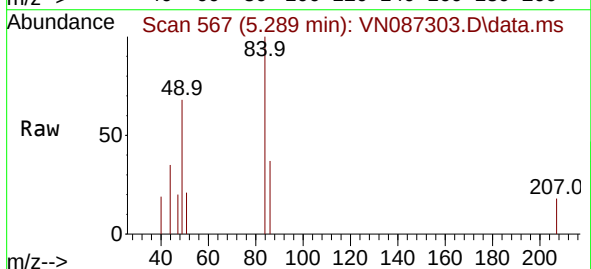
Instrument :
MSVOA_N
ClientSampleId :
GPX8

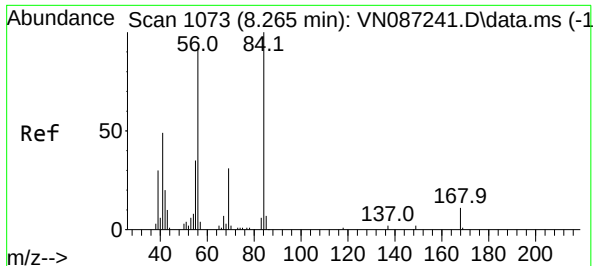
Tgt Ion:168 Resp: 327153
Ion Ratio Lower Upper
168 100
99 56.4 42.6 64.0



#20
Methylene Chloride
Concen: 0.434 ug/l
RT: 5.289 min Scan# 567
Delta R.T. -0.006 min
Lab File: VN087303.D
Acq: 08 Jul 2025 16:39

Tgt Ion: 84 Resp: 1508
Ion Ratio Lower Upper
84 100
49 67.6 82.1 123.1#
51 20.8 23.5 35.3#
86 36.7 49.7 74.5#

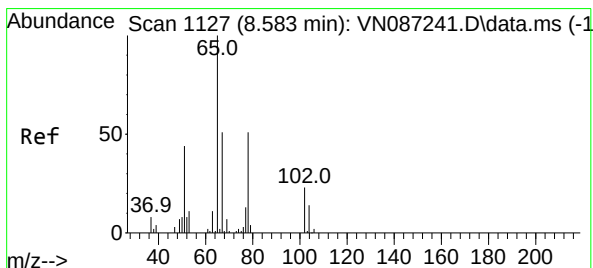
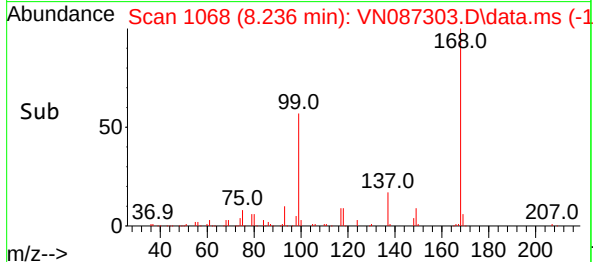
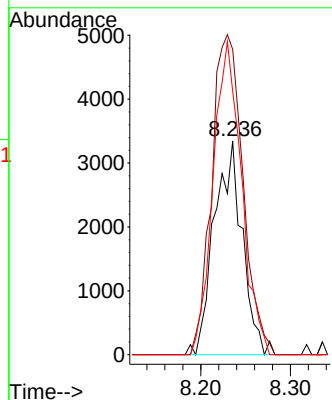
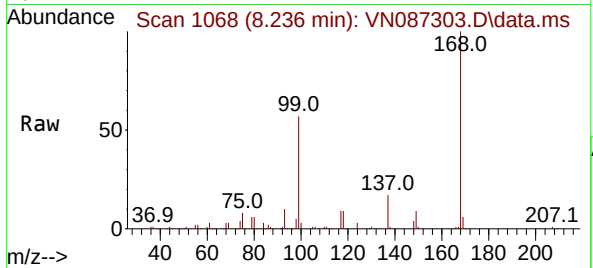




#31
Cyclohexane
Concen: 1.293 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN087303.D
Acq: 08 Jul 2025 16:39

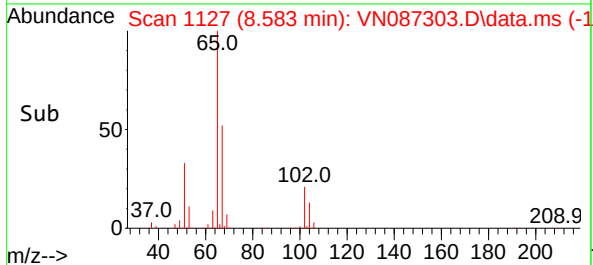
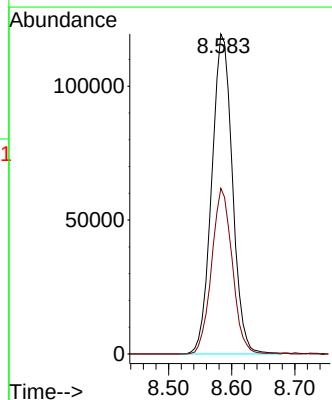
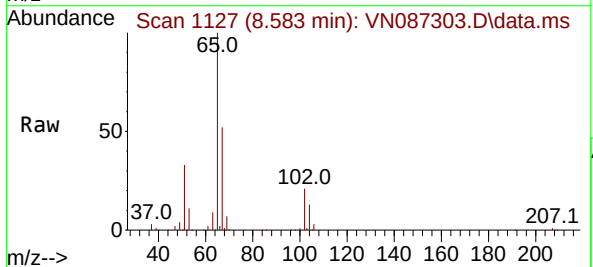
Instrument :
MSVOA_N
ClientSampleId :
GPX8

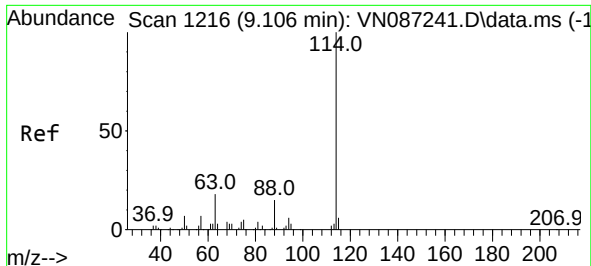
Tgt Ion: 56 Resp: 7229
Ion Ratio Lower Upper
56 100
69 142.8 27.0 40.6#
84 128.8 86.2 129.4



#33
1,2-Dichloroethane-d4
Concen: 66.258 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN087303.D
Acq: 08 Jul 2025 16:39

Tgt Ion: 65 Resp: 272053
Ion Ratio Lower Upper
65 100
67 51.6 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087303.D

Acq: 08 Jul 2025 16:39

Instrument :

MSVOA_N

ClientSampleId :

GPX8

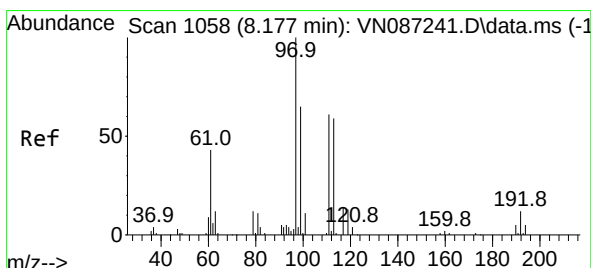
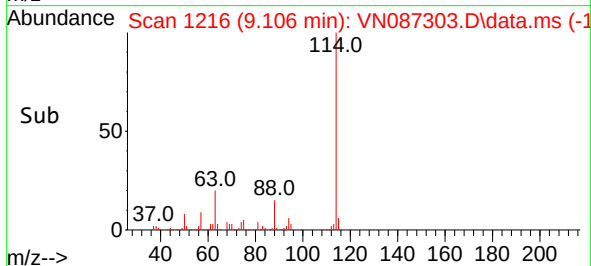
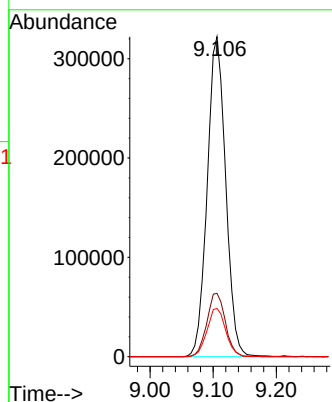
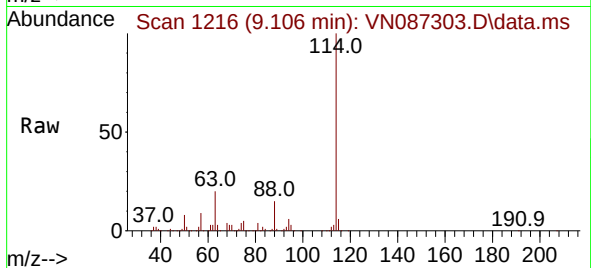
Tgt Ion:114 Resp: 653023

Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.6

88 15.1 0.0 29.6



#35

Dibromofluoromethane

Concen: 52.623 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN087303.D

Acq: 08 Jul 2025 16:39

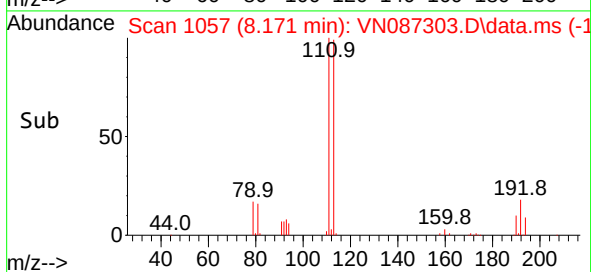
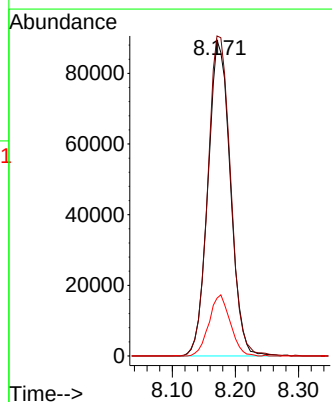
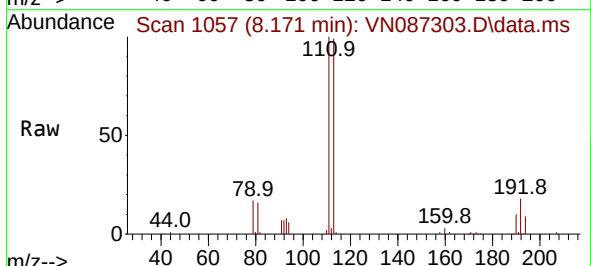
Tgt Ion:113 Resp: 220034

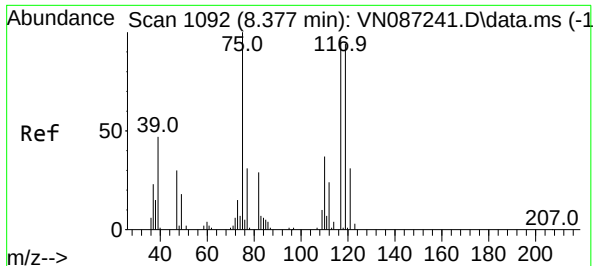
Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.2

192 18.4 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.491 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087303.D

Acq: 08 Jul 2025 16:39

Instrument :

MSVOA_N

ClientSampleId :

GPX8

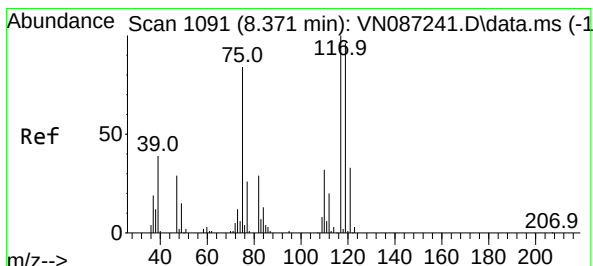
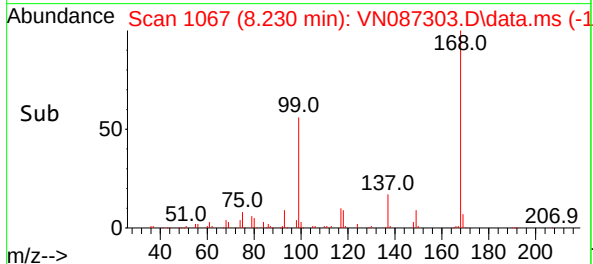
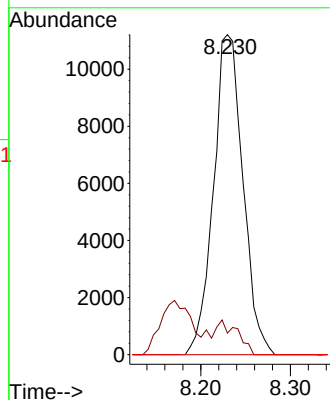
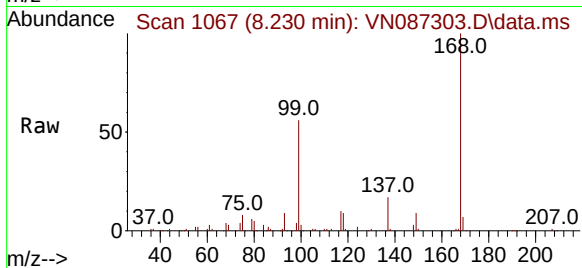
Tgt Ion: 75 Resp: 25537

Ion Ratio Lower Upper

75 100

110 7.7 18.7 56.1#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 5.033 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN087303.D

Acq: 08 Jul 2025 16:39

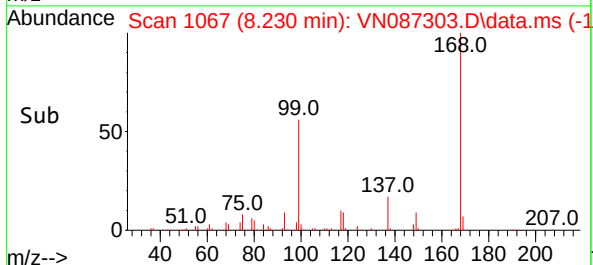
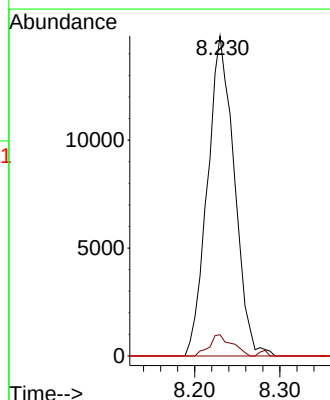
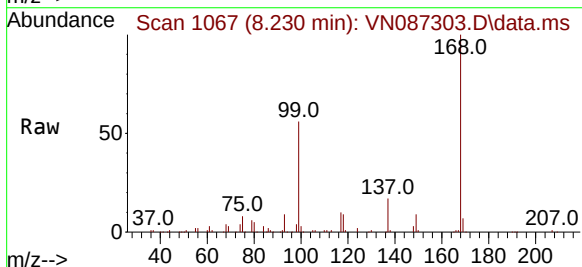
Tgt Ion: 117 Resp: 32426

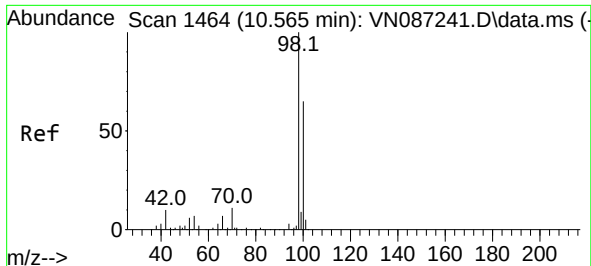
Ion Ratio Lower Upper

117 100

119 6.6 77.2 115.8#

121 0.0 26.6 39.8#

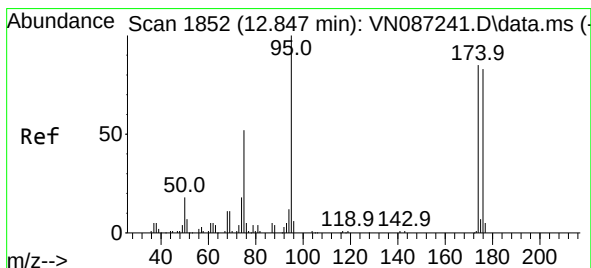
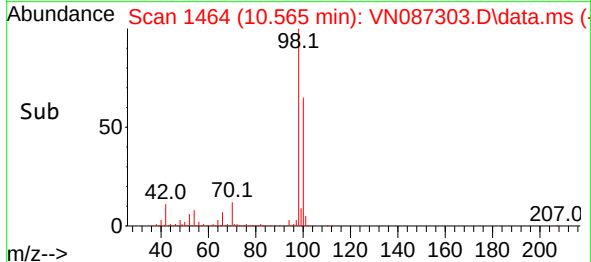
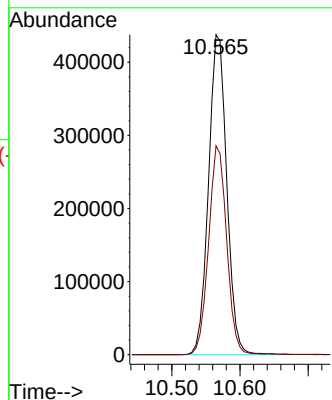
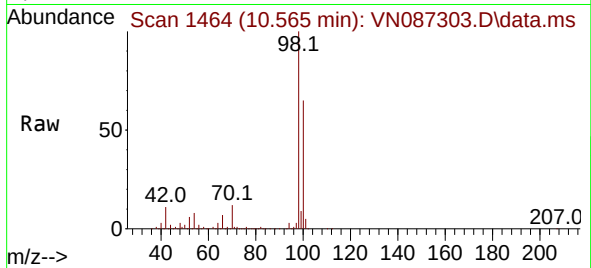




#50
Toluene-d8
Concen: 49.947 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN087303.D
Acq: 08 Jul 2025 16:39

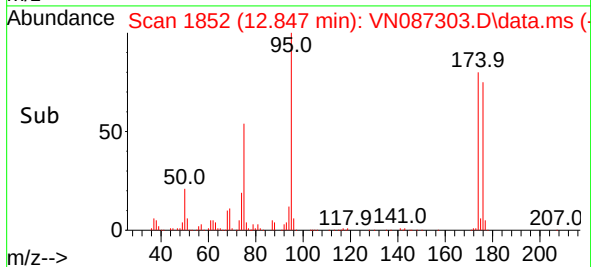
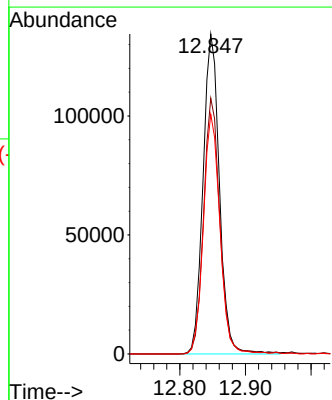
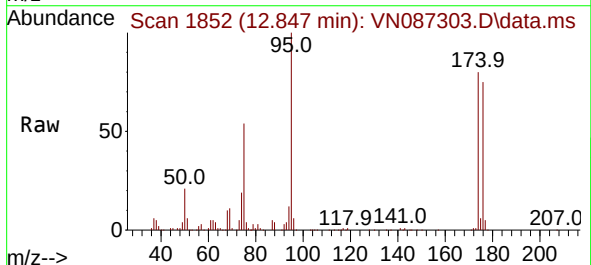
Instrument :
MSVOA_N
ClientSampleId :
GPX8

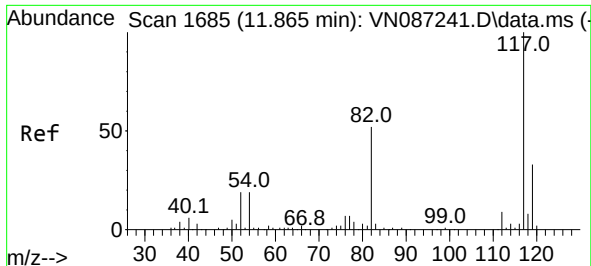
Tgt Ion: 98 Resp: 814042
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 40.461 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087303.D
Acq: 08 Jul 2025 16:39

Tgt Ion: 95 Resp: 234633
Ion Ratio Lower Upper
95 100
174 79.6 0.0 169.6
176 75.1 0.0 161.6

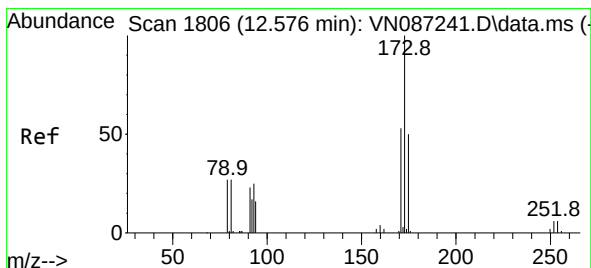
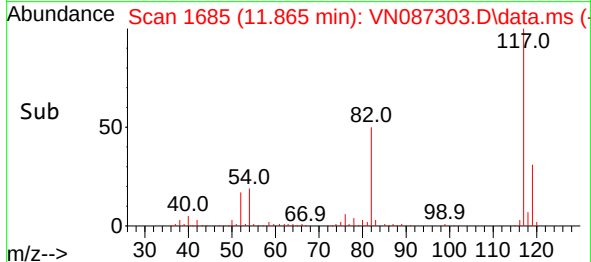
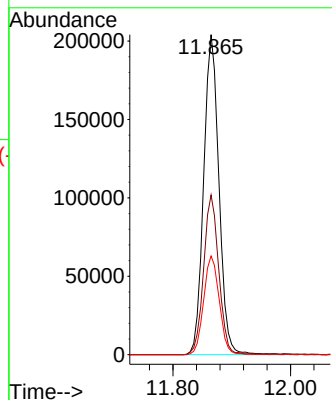
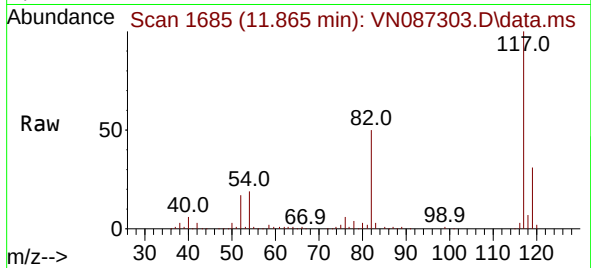




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087303.D
Acq: 08 Jul 2025 16:39

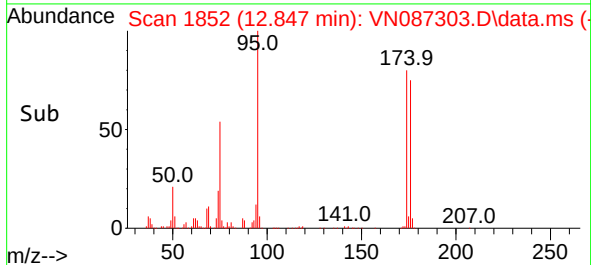
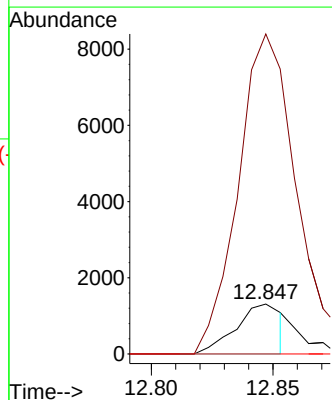
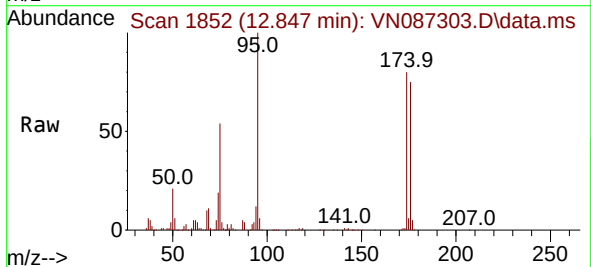
Instrument :
MSVOA_N
ClientSampleId :
GPX8

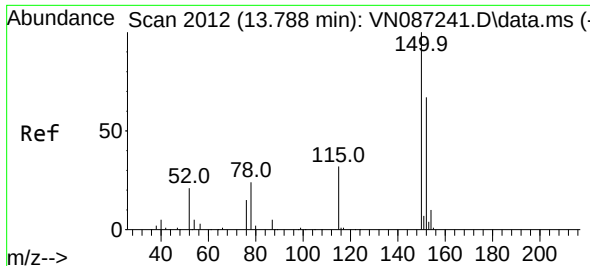
Tgt Ion:117 Resp: 368457
Ion Ratio Lower Upper
117 100
82 49.9 41.9 62.9
119 30.9 26.2 39.4



#71
Bromoform
Concen: 0.779 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN087303.D
Acq: 08 Jul 2025 16:39

Tgt Ion:173 Resp: 1715
Ion Ratio Lower Upper
173 100
175 621.1 24.6 73.6#
254 0.0 0.0 0.0

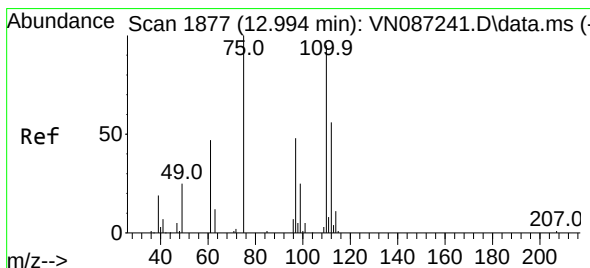
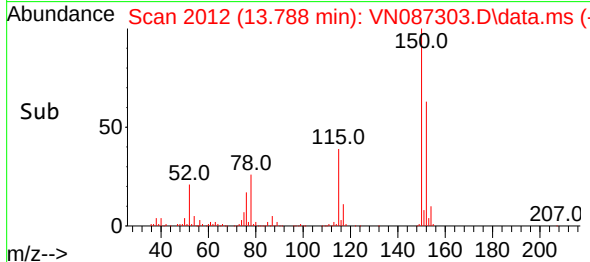
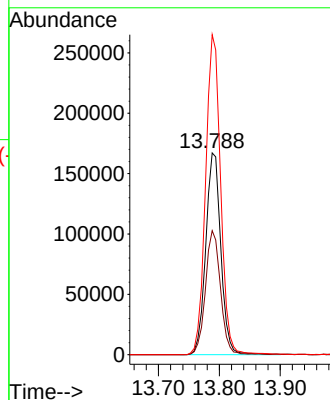
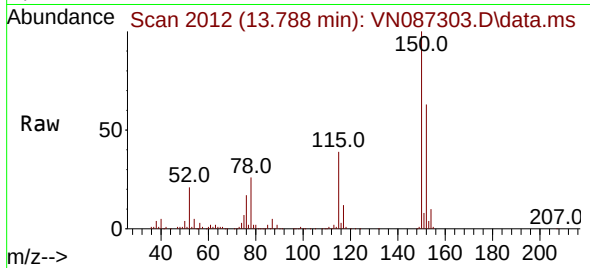




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN087303.D
 Acq: 08 Jul 2025 16:39

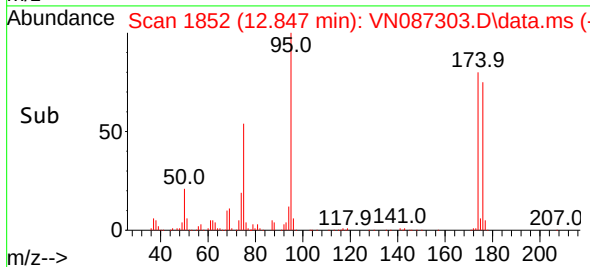
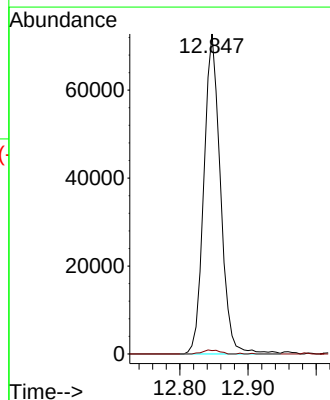
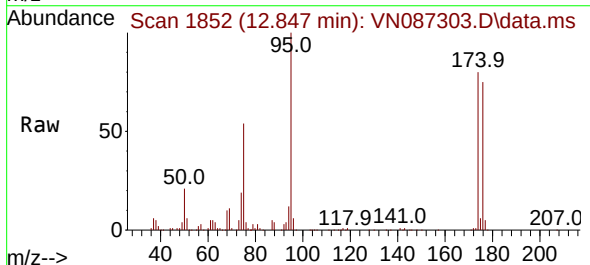
Instrument :
 MSVOA_N
 ClientSampleId :
 GPX8

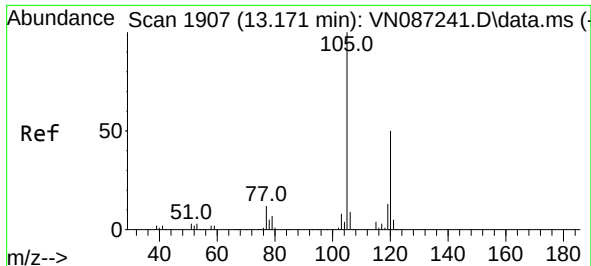
Tgt Ion:152 Resp: 288480
 Ion Ratio Lower Upper
 152 100
 115 61.2 28.3 84.9
 150 158.0 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 22.407 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087303.D
 Acq: 08 Jul 2025 16:39

Tgt Ion: 75 Resp: 122952
 Ion Ratio Lower Upper
 75 100
 77 1.3 82.0 245.8#

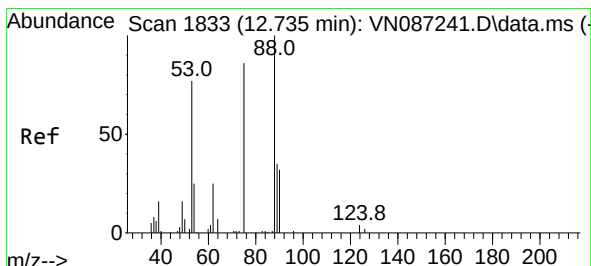
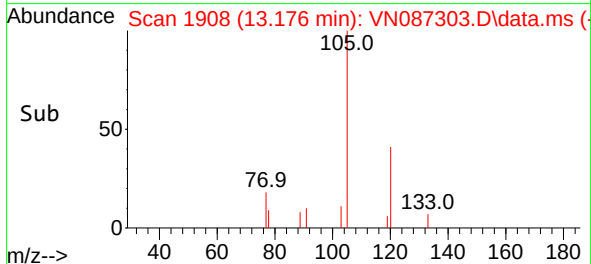
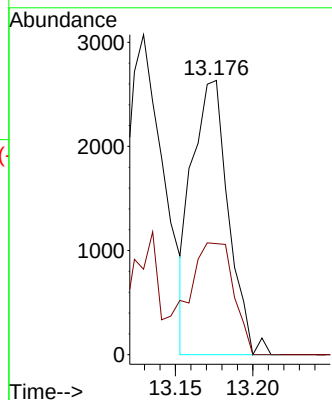
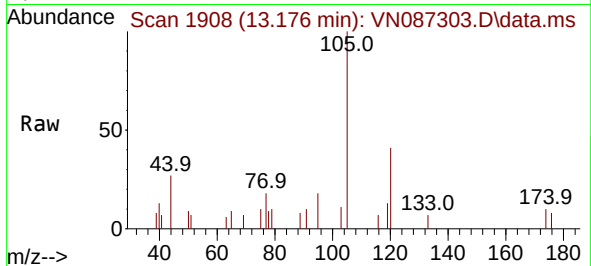




#80
1,3,5-Trimethylbenzene
Concen: 0.276 ug/l
RT: 13.176 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VN087303.D
Acq: 08 Jul 2025 16:39

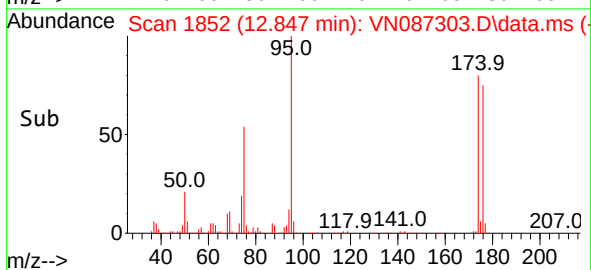
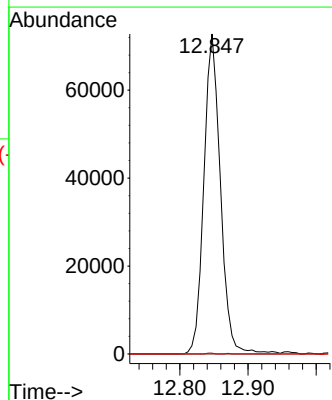
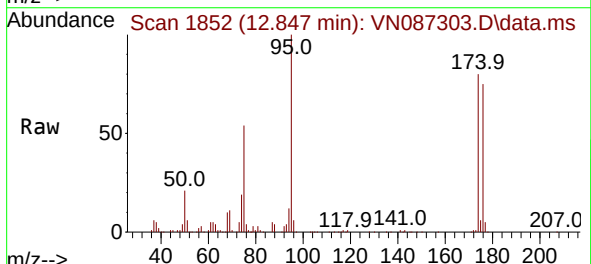
Instrument :
MSVOA_N
ClientSampleId :
GPX8

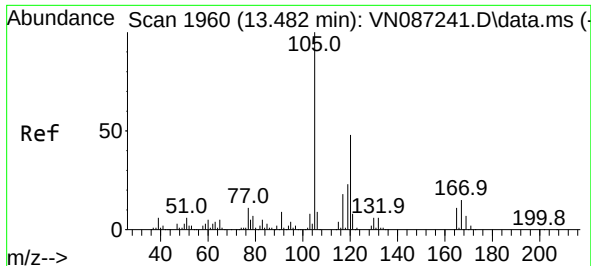
Tgt Ion:105 Resp: 4294
Ion Ratio Lower Upper
105 100
120 49.2 25.3 75.8



#81
trans-1,4-Dichloro-2-butene
Concen: 52.633 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087303.D
Acq: 08 Jul 2025 16:39

Tgt Ion: 75 Resp: 122952
Ion Ratio Lower Upper
75 100
53 0.1 70.6 105.8#
89 0.0 36.1 54.1#

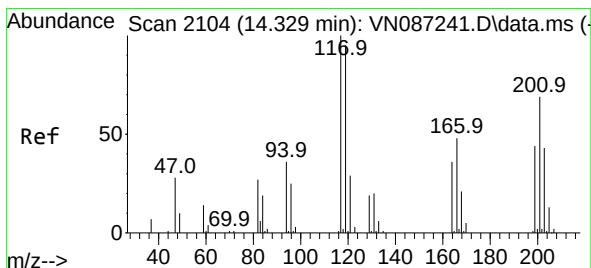
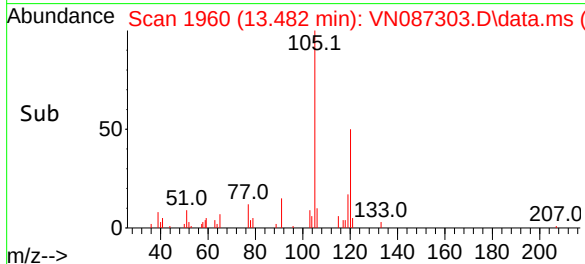
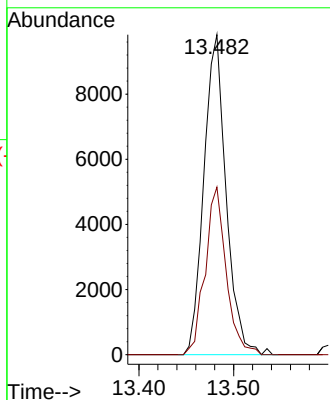
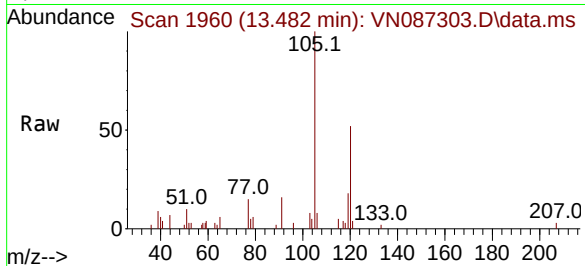




#84
1,2,4-Trimethylbenzene
Concen: 1.028 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN087303.D
Acq: 08 Jul 2025 16:39

Instrument :
MSVOA_N
ClientSampleId :
GPX8

Tgt Ion:105 Resp: 16000
Ion Ratio Lower Upper
105 100
120 49.6 23.3 69.9



#90
Hexachloroethane
Concen: 0.242 ug/l
RT: 14.323 min Scan# 2103
Delta R.T. -0.006 min
Lab File: VN087303.D
Acq: 08 Jul 2025 16:39

Tgt Ion:117 Resp: 744
Ion Ratio Lower Upper
117 100
201 0.0 35.8 107.4#

