

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086961.D
 Acq On : 11 Jun 2025 19:55
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 12 01:39:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	300591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	578496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	511211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	245537	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	204277	50.757	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.520%
35) Dibromofluoromethane	8.177	113	172370	50.279	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.560%
50) Toluene-d8	10.571	98	698764	51.487	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.980%
62) 4-Bromofluorobenzene	12.847	95	250488	49.677	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.360%

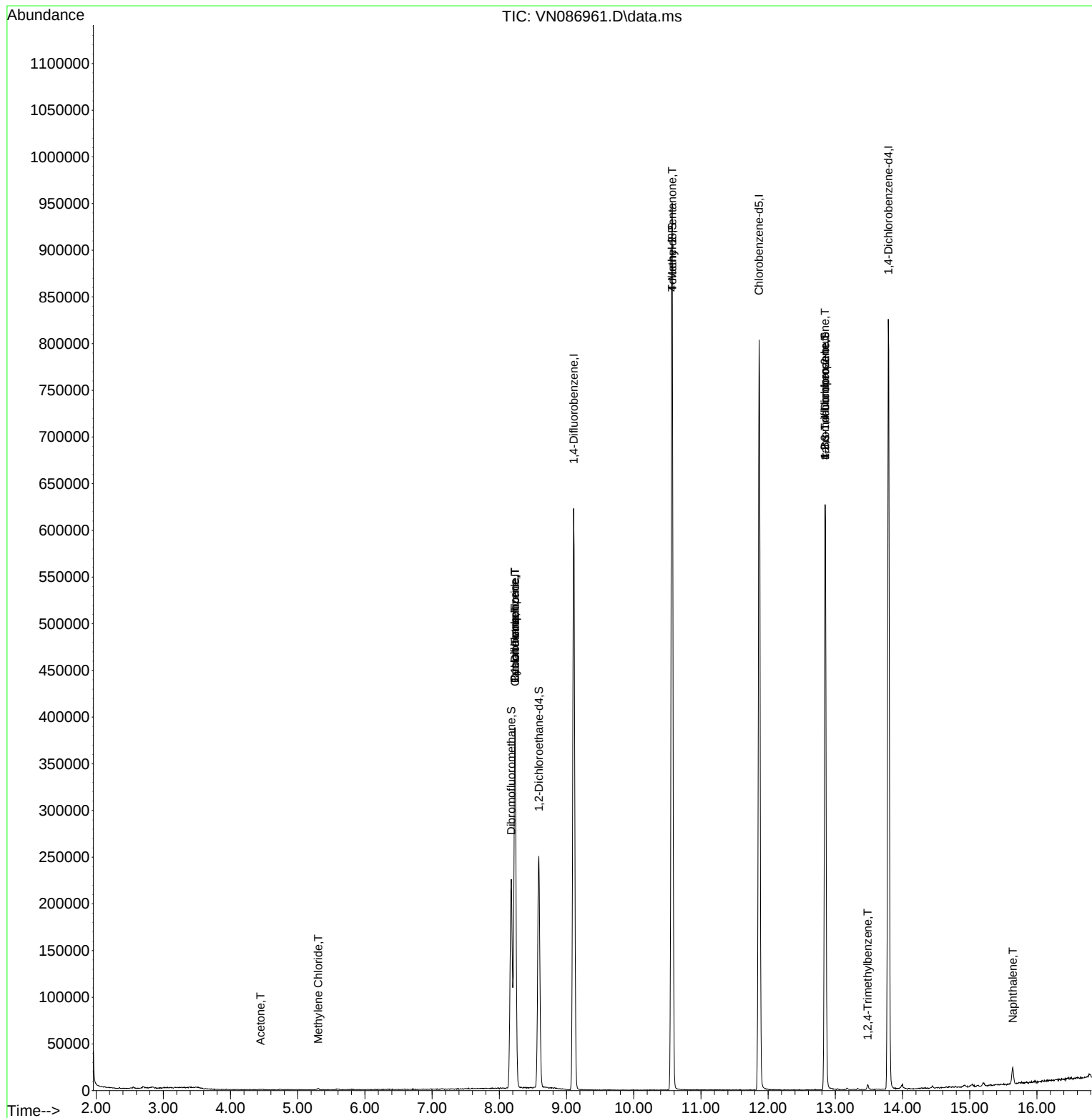
Target Compounds					Qvalue	
16) Acetone	4.448	43	688	0.322	ug/l	# 40
20) Methylene Chloride	5.306	84	902	0.226	ug/l	90
31) Cyclohexane	8.230	56	5521	0.846	ug/l	# 1
36) 1,1-Dichloropropene	8.230	75	22782	4.460	ug/l	# 48
38) Carbon Tetrachloride	8.236	117	29869	5.956	ug/l	# 18
51) 4-Methyl-2-Pentanone	10.571	43	2366	0.377	ug/l	# 1
76) 1,2,3-Trichloropropane	12.847	75	116130	19.897	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	116130	45.802	ug/l	# 16
84) 1,2,4-Trimethylbenzene	13.482	105	3671	0.248	ug/l	98
95) Naphthalene	15.641	128	17558	0.953	ug/l	99

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

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ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
IBLK

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

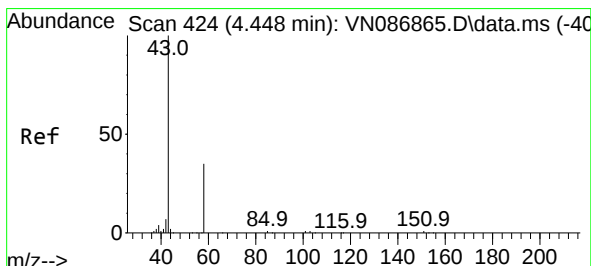
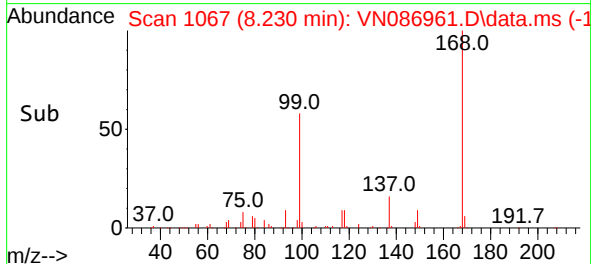
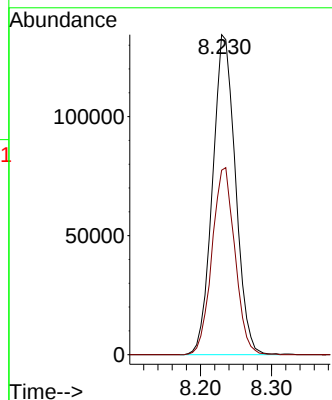
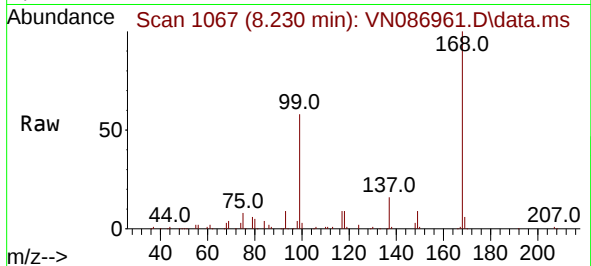




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086961.D
Acq: 11 Jun 2025 19:55

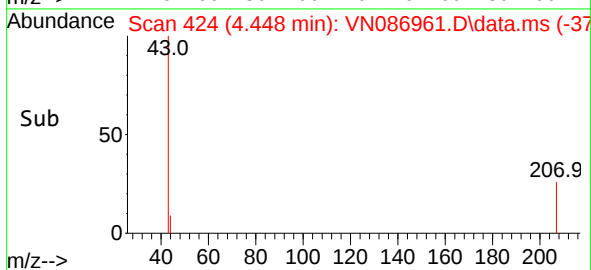
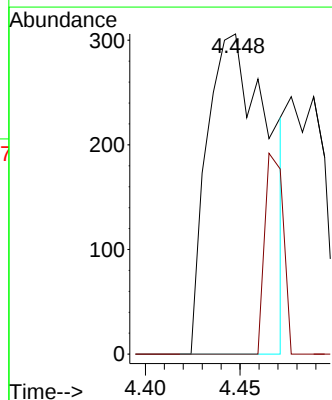
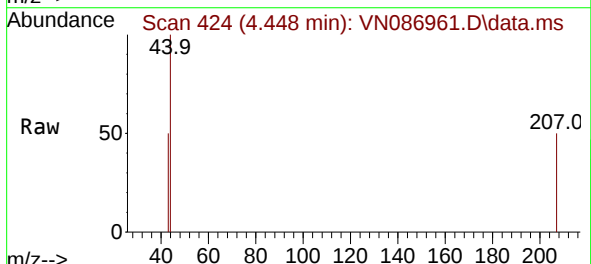
Instrument :
MSVOA_N
ClientSampleId :
IBLK

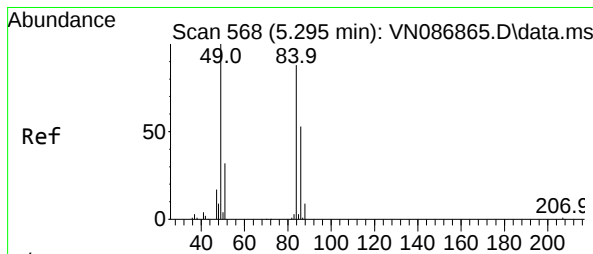
Tgt Ion:168 Resp: 300591
Ion Ratio Lower Upper
168 100
99 57.7 49.1 73.7



#16
Acetone
Concen: 0.322 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.000 min
Lab File: VN086961.D
Acq: 11 Jun 2025 19:55

Tgt Ion: 43 Resp: 688
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



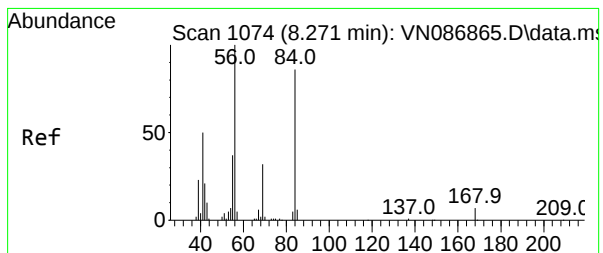
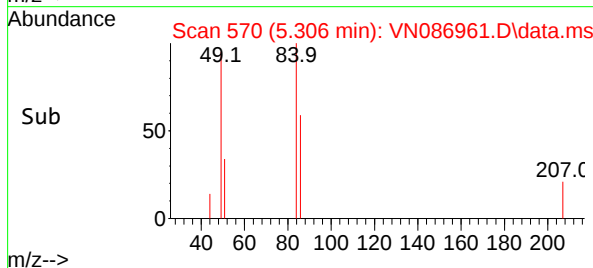
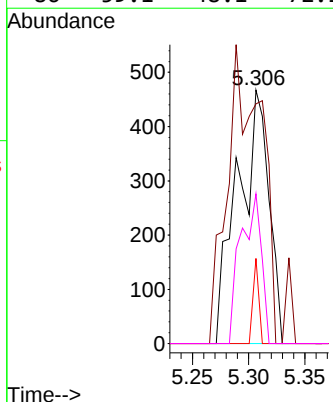
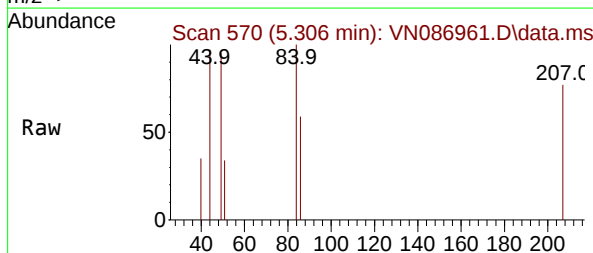


#20
Methylene Chloride
Concen: 0.226 ug/l
RT: 5.306 min Scan# 5
Delta R.T. 0.012 min
Lab File: VN086961.D
Acq: 11 Jun 2025 19:55

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 84 Resp: 902

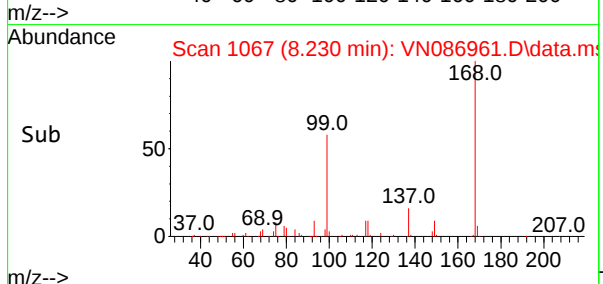
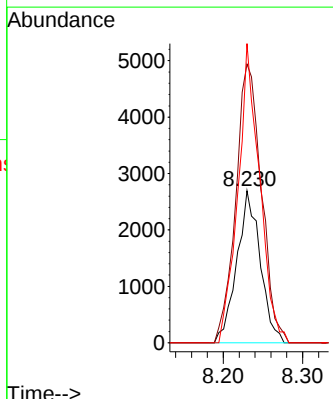
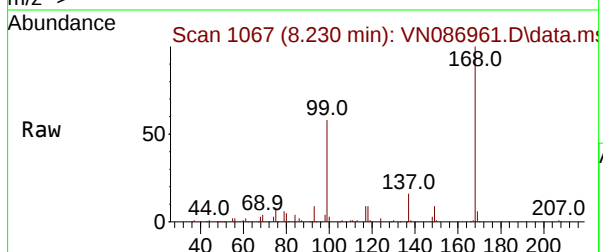
Ion	Ratio	Lower	Upper
84	100		
49	94.6	90.5	135.7
51	33.6	28.5	42.7
86	59.1	48.1	72.1

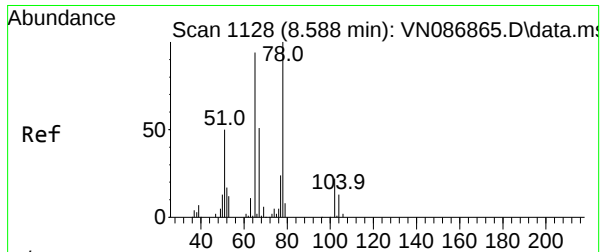


#31
Cyclohexane
Concen: 0.846 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN086961.D
Acq: 11 Jun 2025 19:55

Tgt Ion: 56 Resp: 5521

Ion	Ratio	Lower	Upper
56	100		
69	183.3	25.4	38.0#
84	196.8	68.8	103.2#



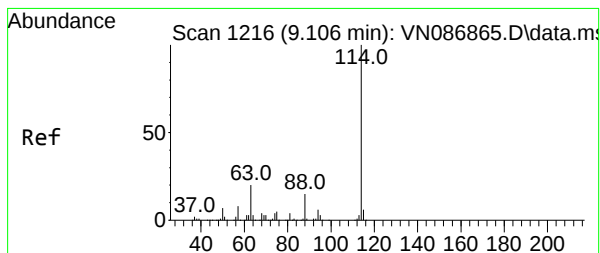
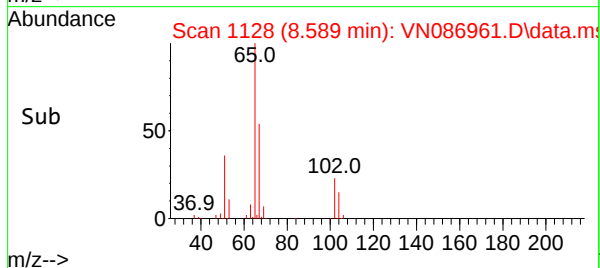
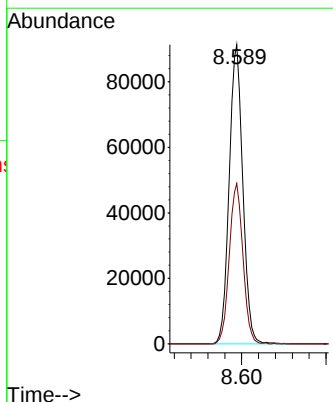
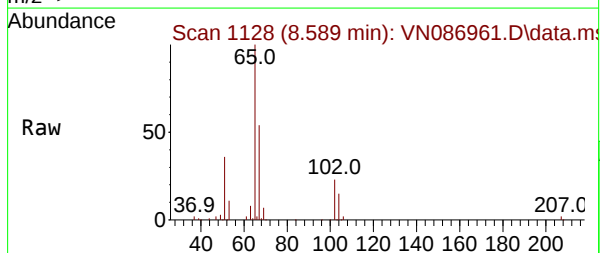


#33
 1,2-Dichloroethane-d4
 Concen: 50.757 ug/l
 RT: 8.589 min Scan# 1128
 Delta R.T. 0.000 min
 Lab File: VN086961.D
 Acq: 11 Jun 2025 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion: 65 Resp: 204277

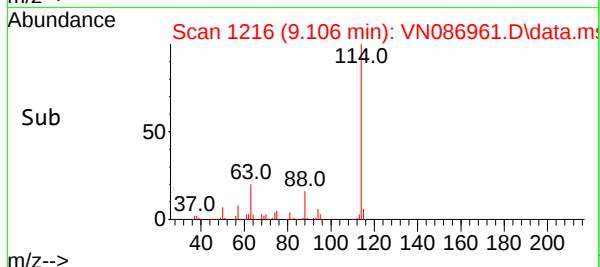
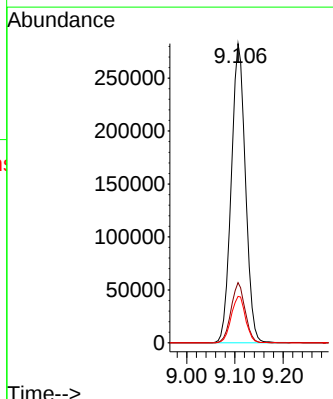
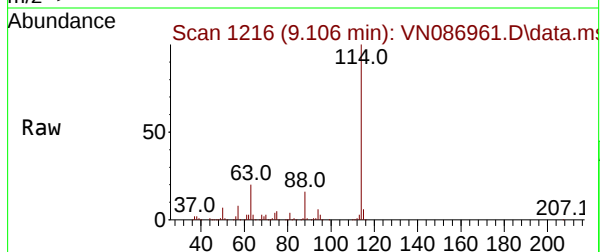
Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	105.6

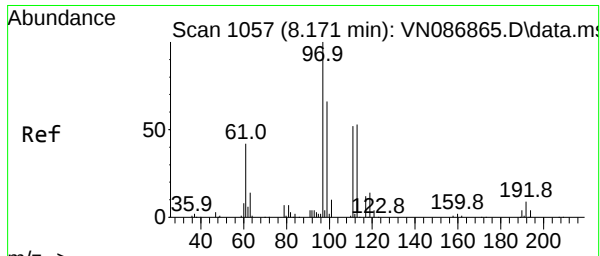


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN086961.D
 Acq: 11 Jun 2025 19:55

Tgt Ion: 114 Resp: 578496

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.6
88	15.6	0.0	30.2

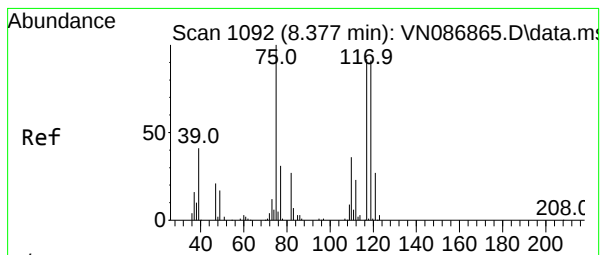
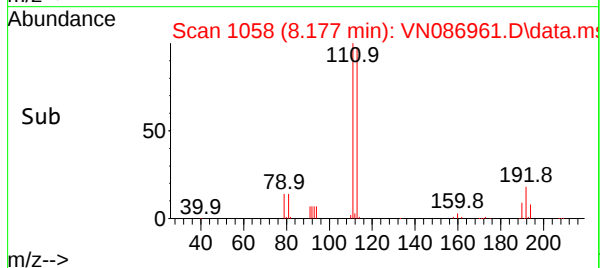
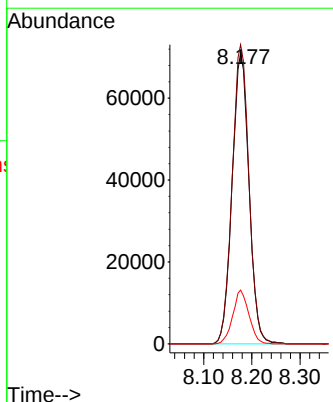
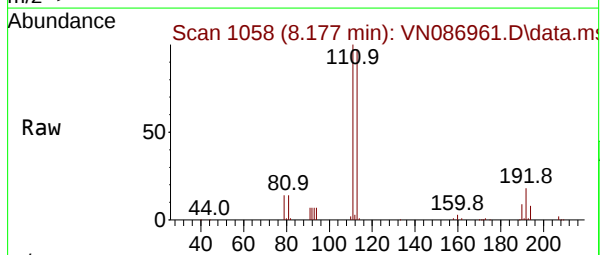




#35
Dibromofluoromethane
Concen: 50.279 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086961.D
Acq: 11 Jun 2025 19:55

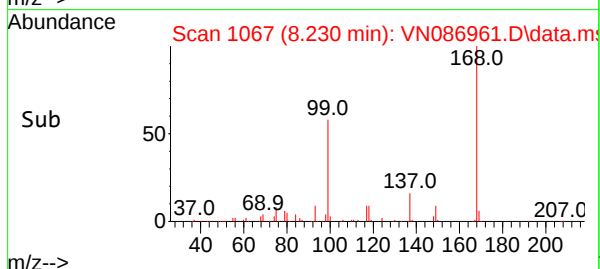
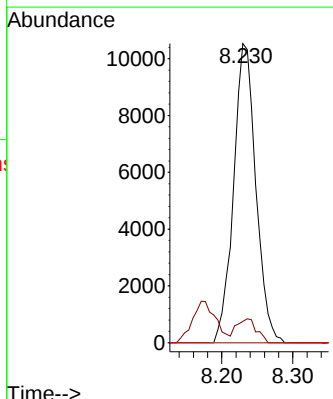
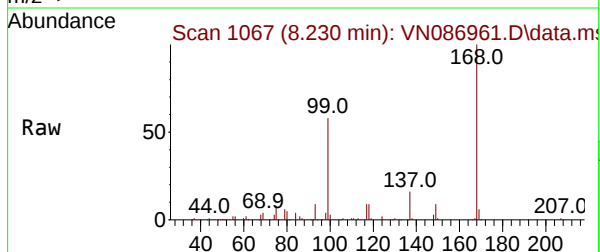
Instrument :
MSVOA_N
ClientSampleId :
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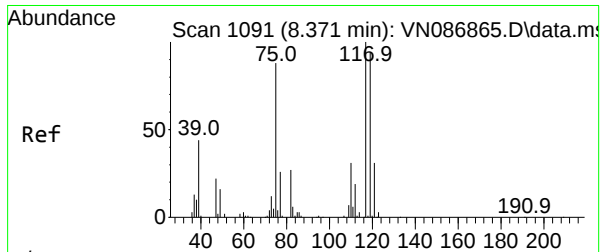
Tgt Ion:113 Resp: 172370
Ion Ratio Lower Upper
113 100
111 103.0 84.2 126.2
192 17.7 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.460 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN086961.D
Acq: 11 Jun 2025 19:55

Tgt Ion: 75 Resp: 22782
Ion Ratio Lower Upper
75 100
110 7.2 17.6 52.9#
77 0.0 25.3 37.9#

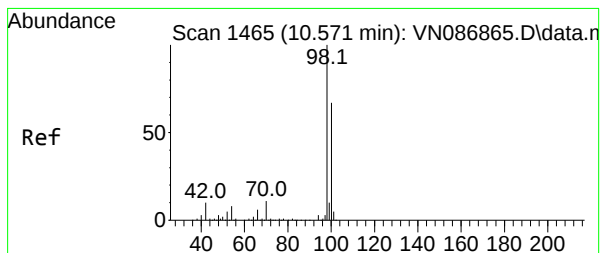
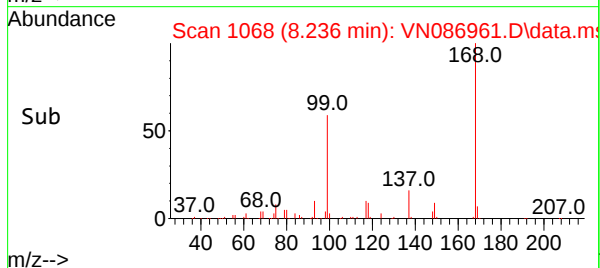
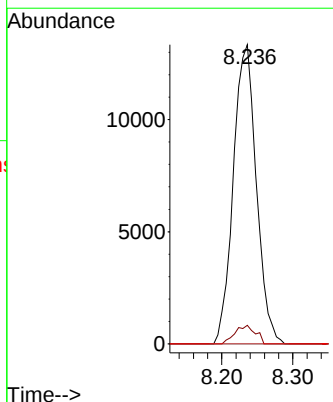
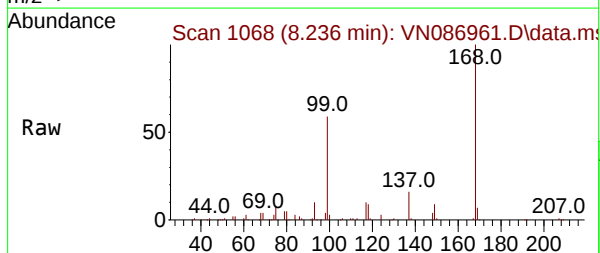




#38
Carbon Tetrachloride
Concen: 5.956 ug/l
RT: 8.236 min Scan# 1
Delta R.T. -0.135 min
Lab File: VN086961.D
Acq: 11 Jun 2025 19:55

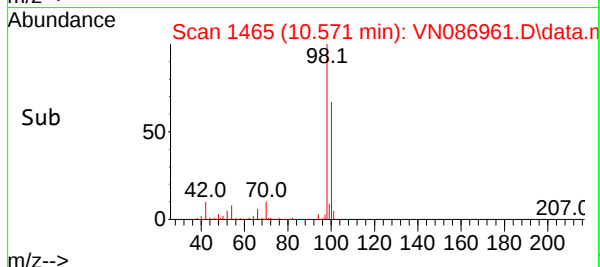
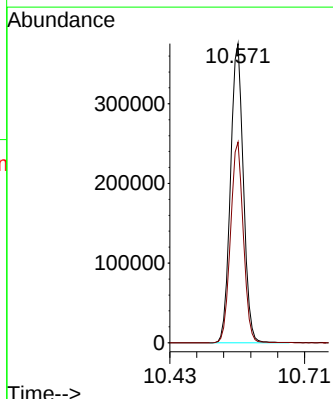
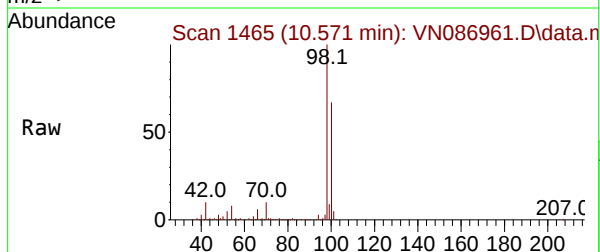
Instrument :
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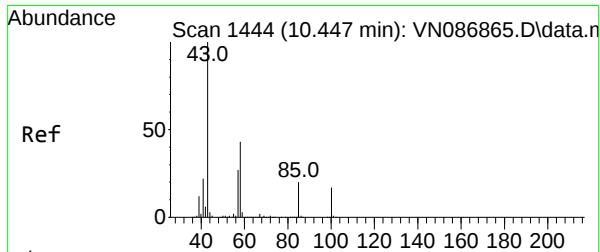
Tgt Ion:117 Resp: 29869
Ion Ratio Lower Upper
117 100
119 6.2 75.0 112.6#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 51.487 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN086961.D
Acq: 11 Jun 2025 19:55

Tgt Ion: 98 Resp: 698764
Ion Ratio Lower Upper
98 100
100 66.7 53.4 80.0

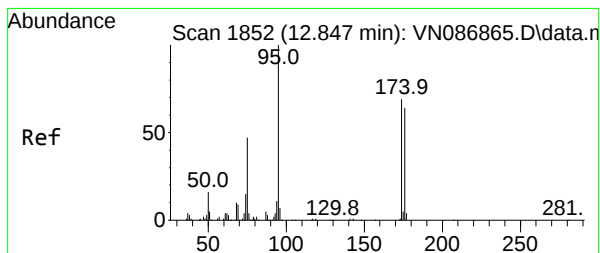
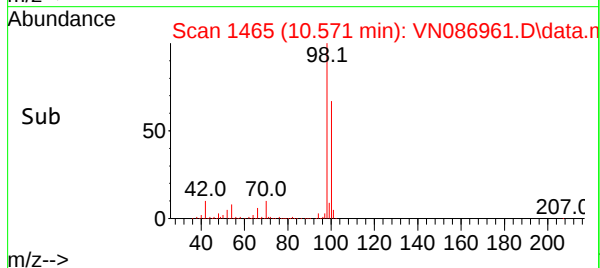
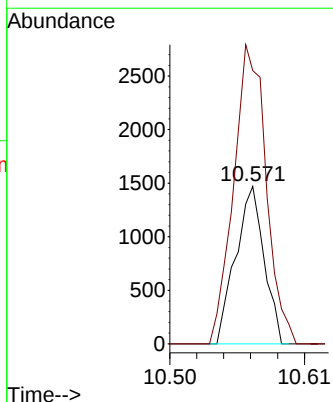
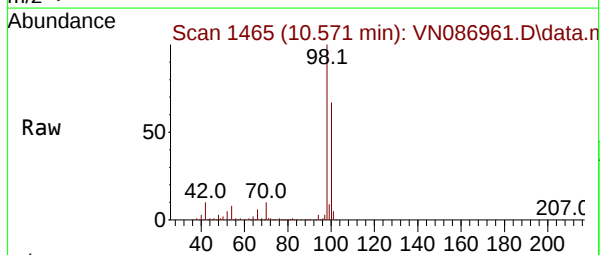




#51
4-Methyl-2-Pentanone
Concen: 0.377 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN086961.D
Acq: 11 Jun 2025 19:55

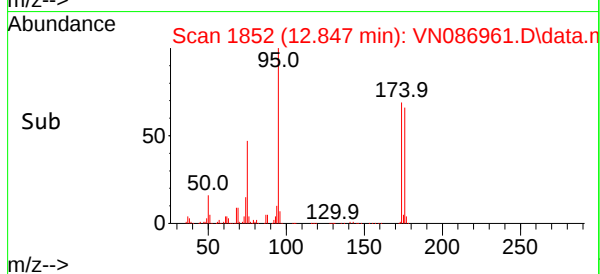
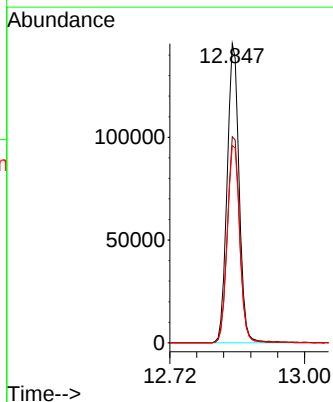
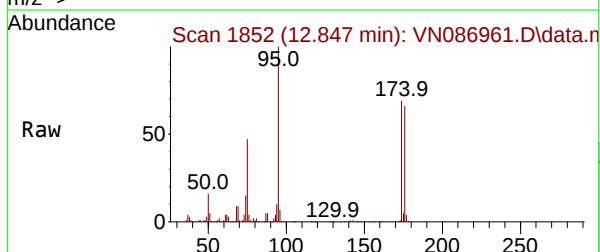
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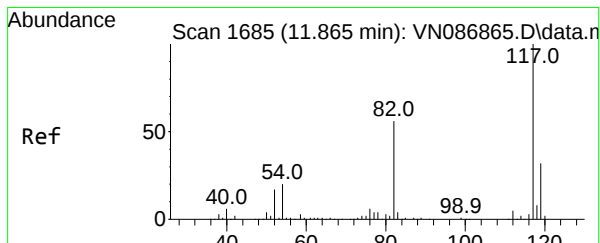
Tgt Ion: 43 Resp: 2366
Ion Ratio Lower Upper
43 100
58 217.5 34.2 51.4#



#62
4-Bromofluorobenzene
Concen: 49.677 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086961.D
Acq: 11 Jun 2025 19:55

Tgt Ion: 95 Resp: 250488
Ion Ratio Lower Upper
95 100
174 70.6 0.0 141.8
176 68.6 0.0 132.6

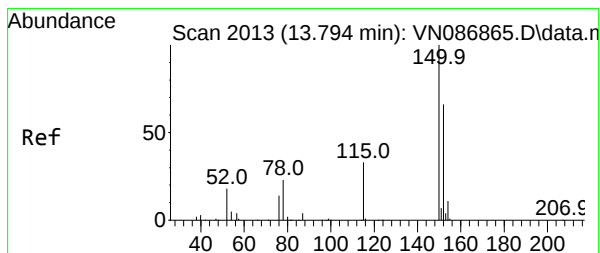
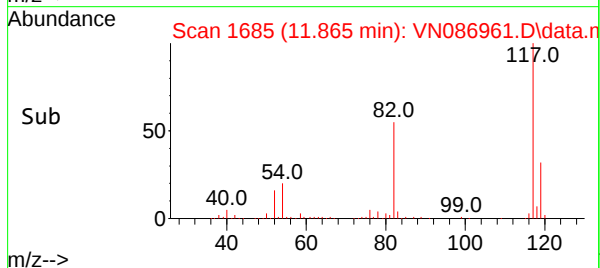
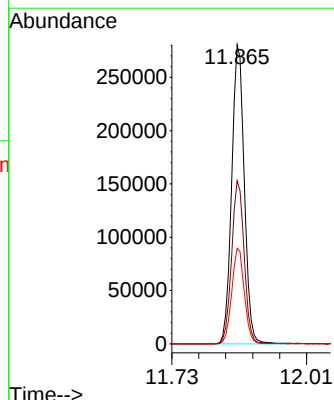
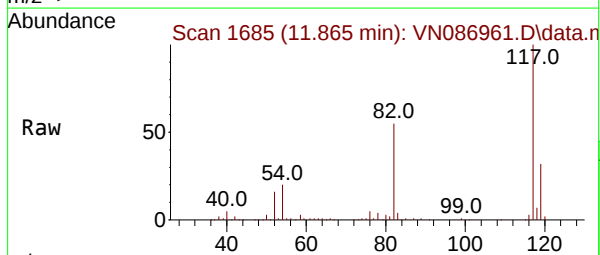




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086961.D
Acq: 11 Jun 2025 19:55

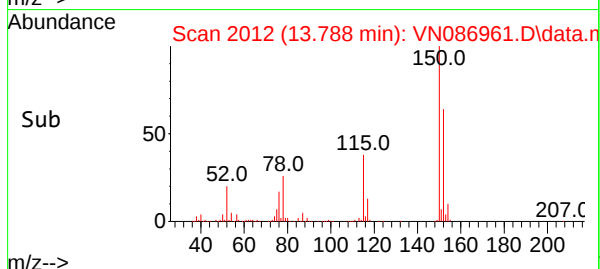
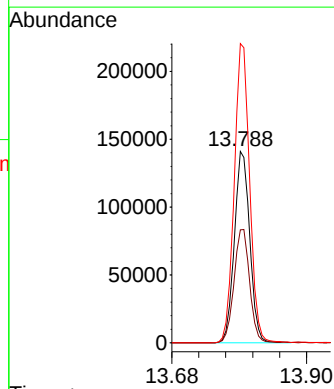
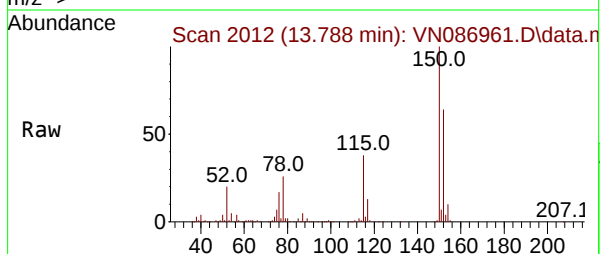
Instrument :
MSVOA_N
ClientSampleId :
IBLK

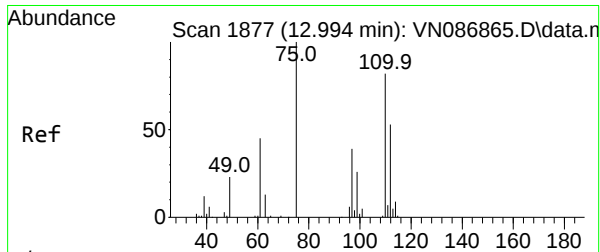
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.6	44.6	67.0
119	32.0	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086961.D
Acq: 11 Jun 2025 19:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	30.1	90.5
150	156.3	0.0	345.0

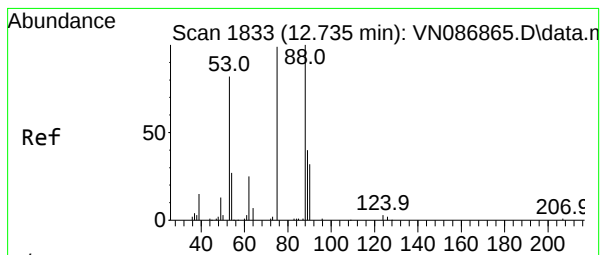
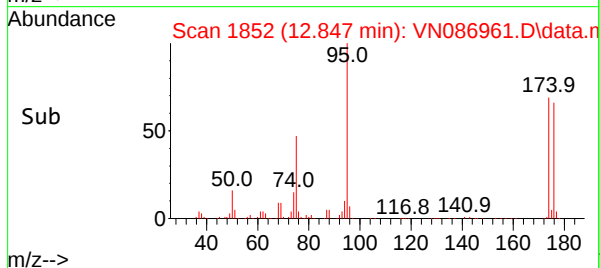
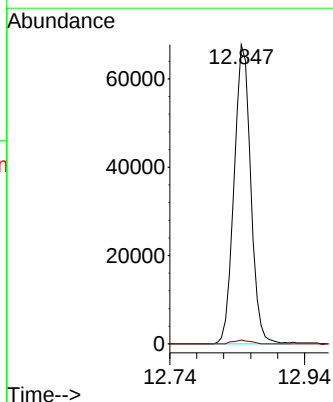
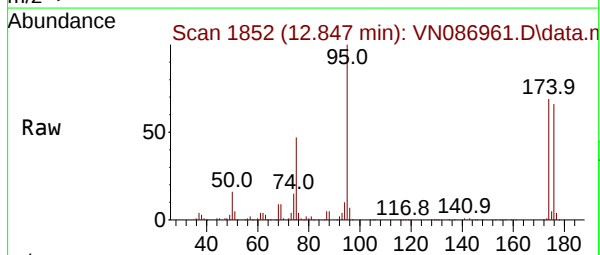




#76
1,2,3-Trichloropropane
Concen: 19.897 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086961.D
Acq: 11 Jun 2025 19:55

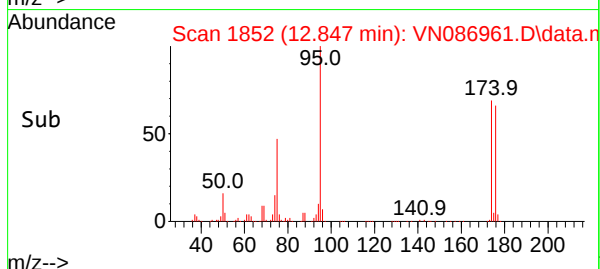
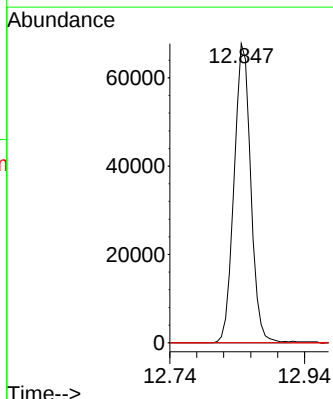
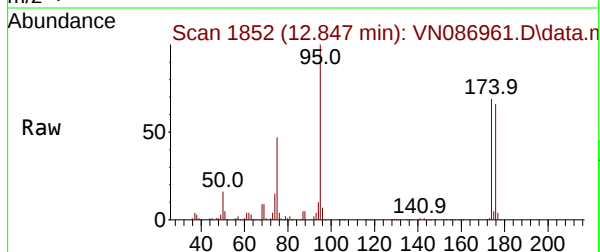
Instrument :
MSVOA_N
ClientSampleId :
IBLK

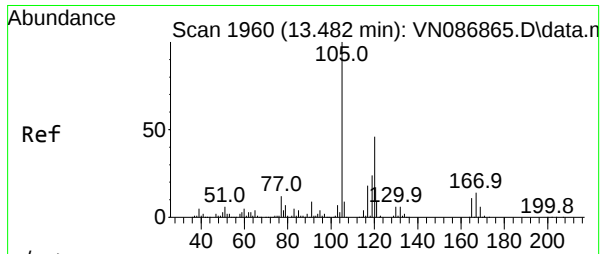
Tgt Ion: 75 Resp: 116130
Ion Ratio Lower Upper
75 100
77 1.3 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 45.802 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086961.D
Acq: 11 Jun 2025 19:55

Tgt Ion: 75 Resp: 116130
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#

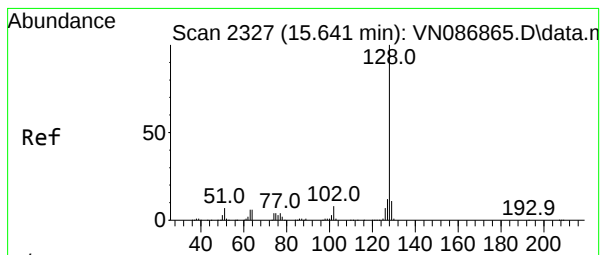
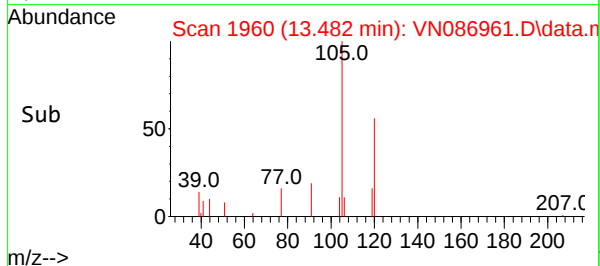
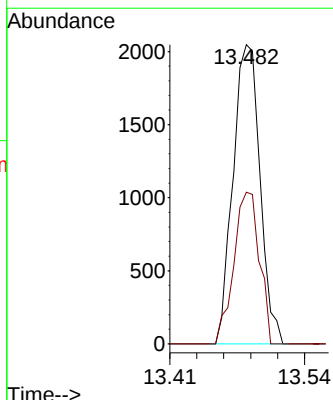
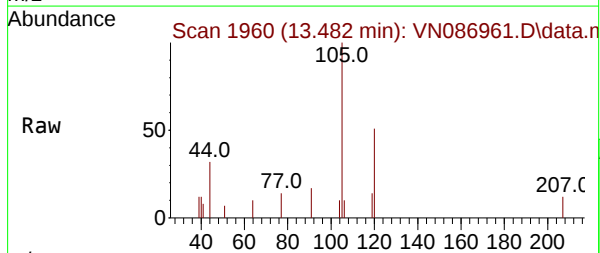




#84
1,2,4-Trimethylbenzene
Concen: 0.248 ug/l
RT: 13.482 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086961.D
Acq: 11 Jun 2025 19:55

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:105 Resp: 3671
Ion Ratio Lower Upper
105 100
120 48.0 23.2 69.6



#95
Naphthalene
Concen: 0.953 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN086961.D
Acq: 11 Jun 2025 19:55

Tgt Ion:128 Resp: 17558
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.2
129 10.5 8.8 13.2

