

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062725\
 Data File : VN087229.D
 Acq On : 27 Jun 2025 17:42
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 27 23:48:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:55:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	155930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	325244	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	303989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	129443	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	127745	56.928	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.860%
35) Dibromofluoromethane	8.171	113	101125	48.092	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.180%
50) Toluene-d8	10.565	98	413823	47.584	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.160%
62) 4-Bromofluorobenzene	12.847	95	141547	46.906	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.820%

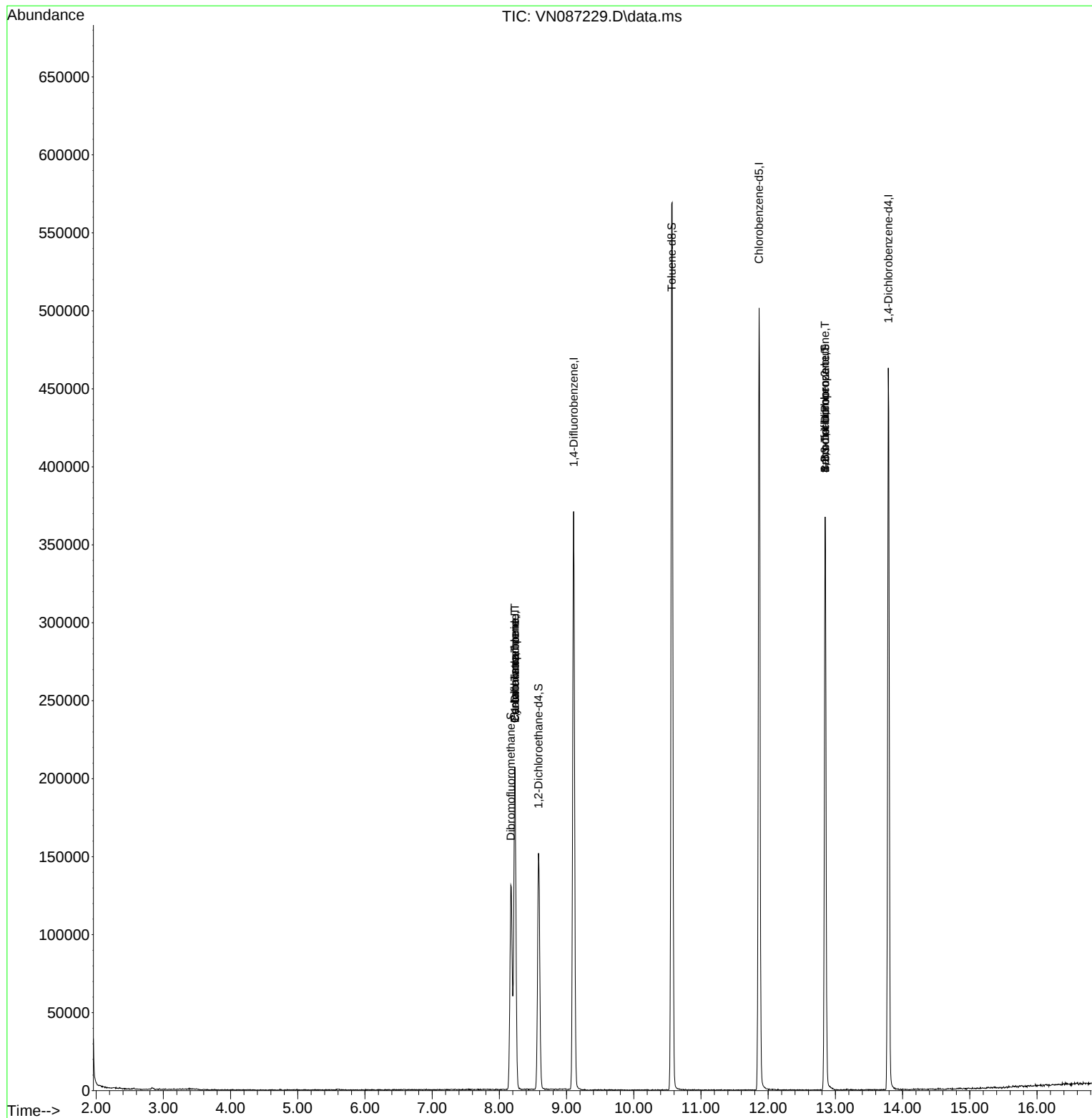
Target Compounds					Qvalue	
16) Acetone	4.447	43	63	Below Cal	#	42
17) Carbon Disulfide	4.736	76	191	Below Cal	#	76
31) Cyclohexane	8.229	56	3345	0.963	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	12997	4.220	ug/l #	49
38) Carbon Tetrachloride	8.229	117	15661	5.221	ug/l #	15
51) 4-Methyl-2-Pentanone	10.571	43	1677	Below Cal	#	1
71) Bromoform	12.847	173	785	0.491	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	69241	23.975	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69241	53.810	ug/l #	13

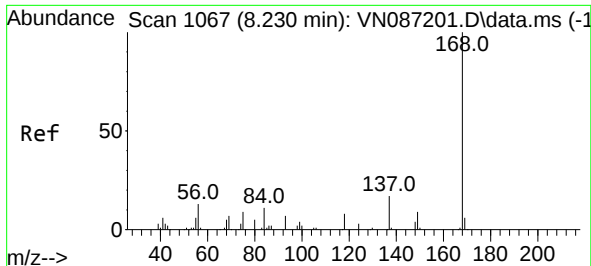
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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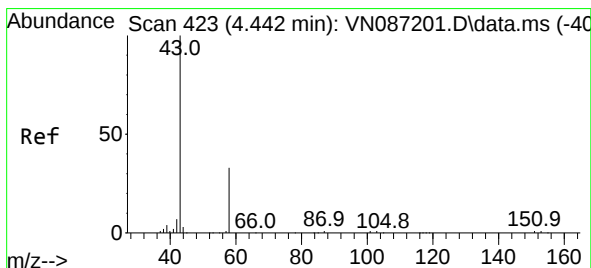
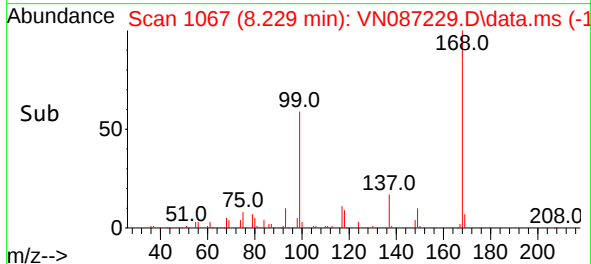
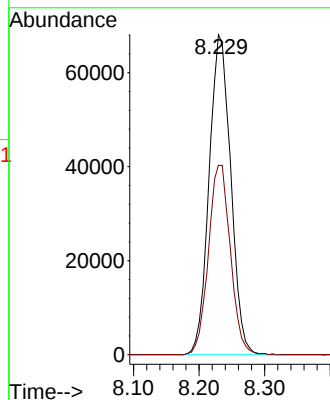
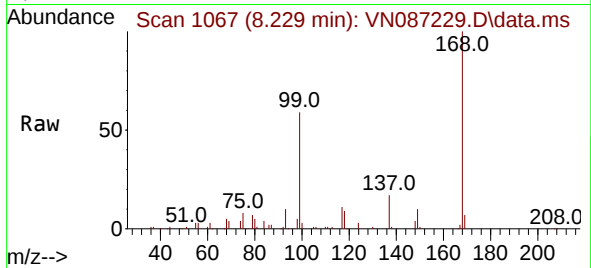




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN087229.D
Acq: 27 Jun 2025 17:42

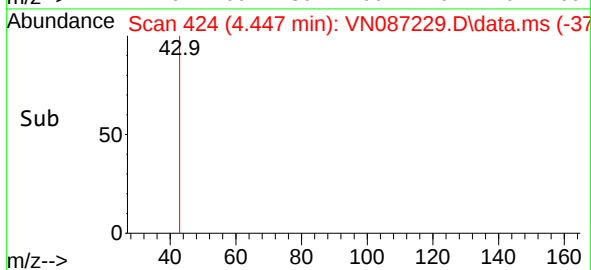
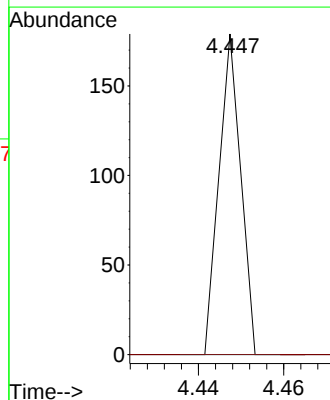
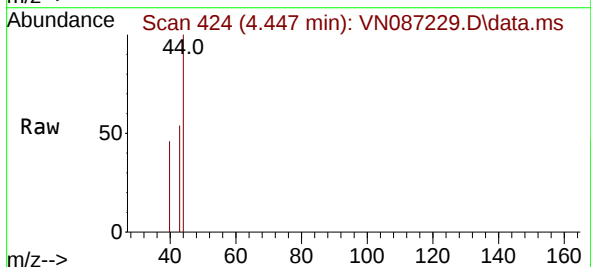
Instrument :
MSVOA_N
ClientSampleId :
IBLK

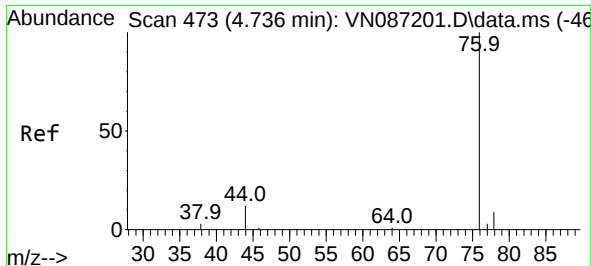
Tgt Ion:168 Resp: 155930
Ion Ratio Lower Upper
168 100
99 59.2 47.9 71.9



#16
Acetone
Concen: Below Cal
RT: 4.447 min Scan# 424
Delta R.T. 0.005 min
Lab File: VN087229.D
Acq: 27 Jun 2025 17:42

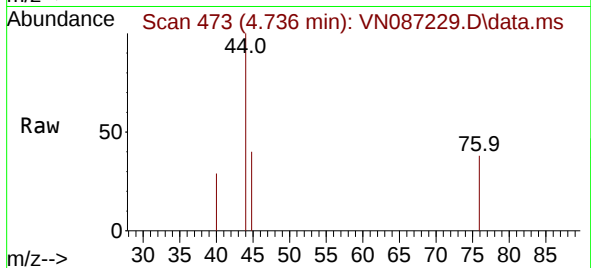
Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
58 0.0 26.5 39.7#



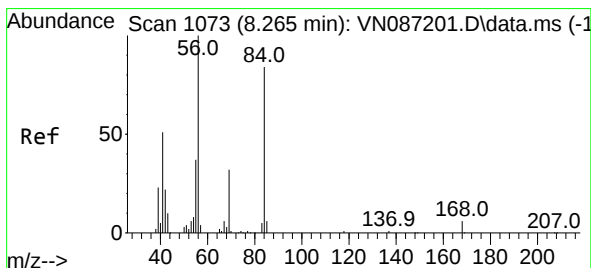
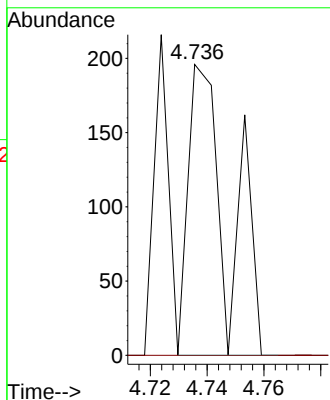
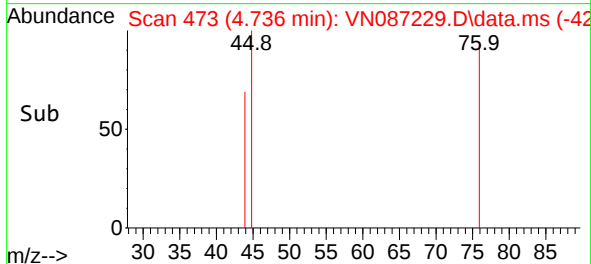


#17
Carbon Disulfide
Concen: Below Cal
RT: 4.736 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN087229.D
Acq: 27 Jun 2025 17:42

Instrument :
MSVOA_N
ClientSampleId :
IBLK

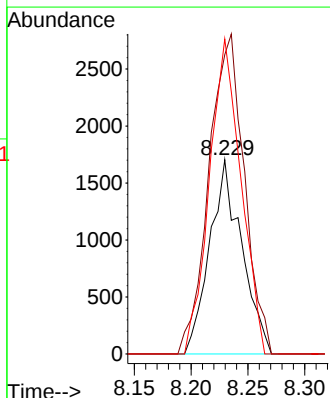
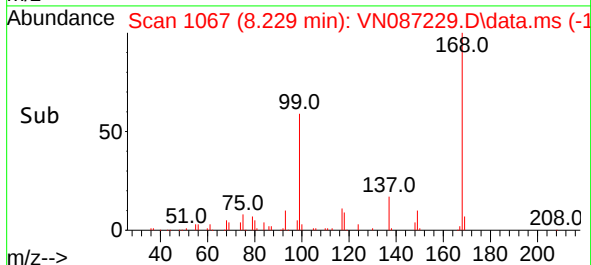
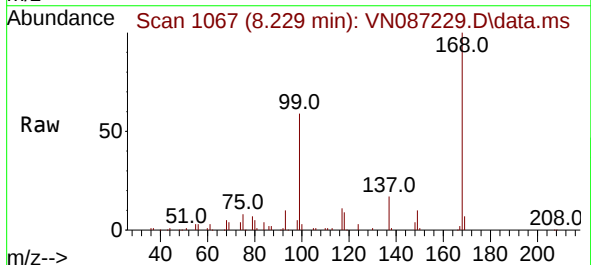


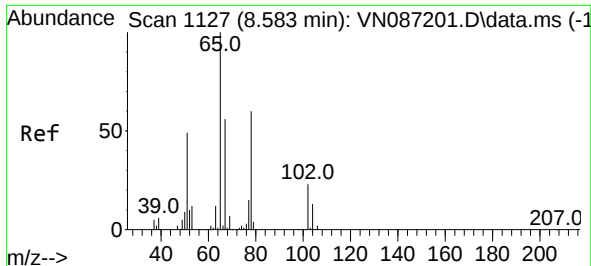
Tgt Ion: 76 Resp: 191
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#31
Cyclohexane
Concen: 0.963 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN087229.D
Acq: 27 Jun 2025 17:42

Tgt Ion: 56 Resp: 3345
Ion Ratio Lower Upper
56 100
69 154.0 25.3 37.9#
84 162.1 67.4 101.0#

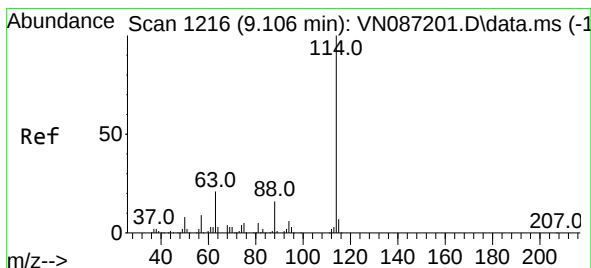
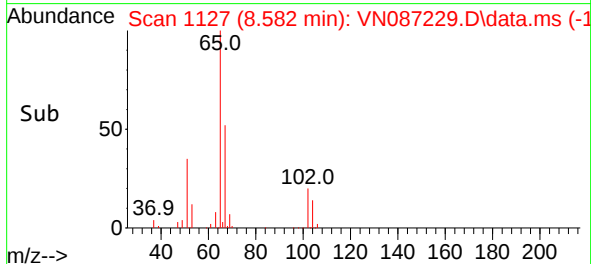
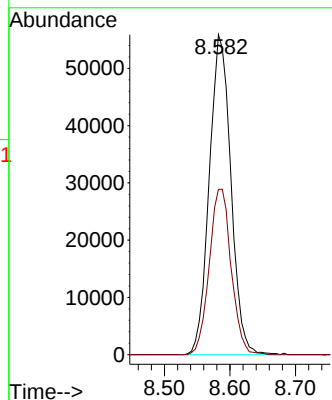
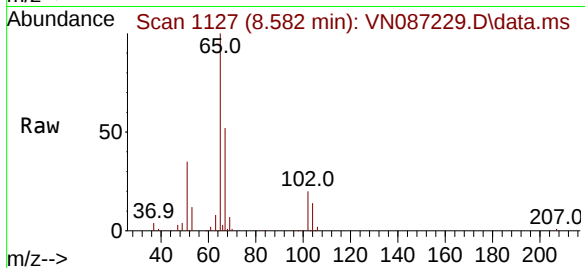




#33
 1,2-Dichloroethane-d4
 Concen: 56.928 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VN087229.D
 Acq: 27 Jun 2025 17:42

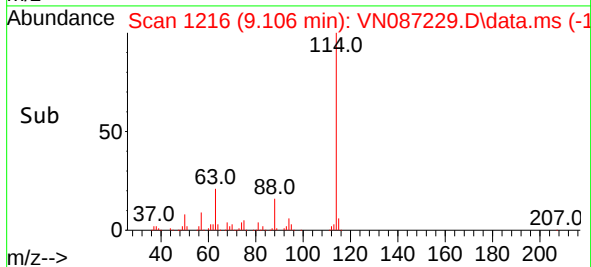
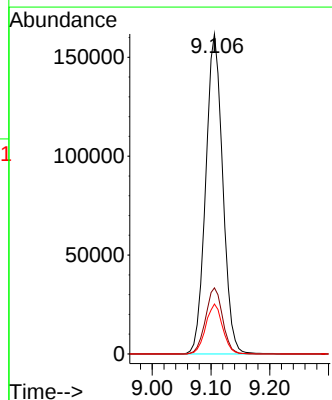
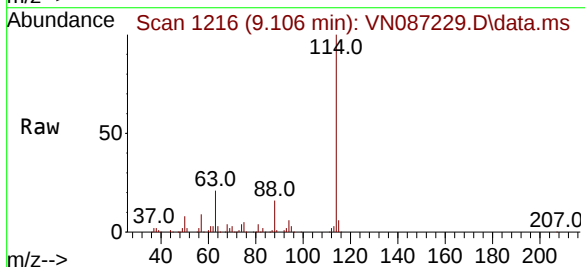
Instrument :
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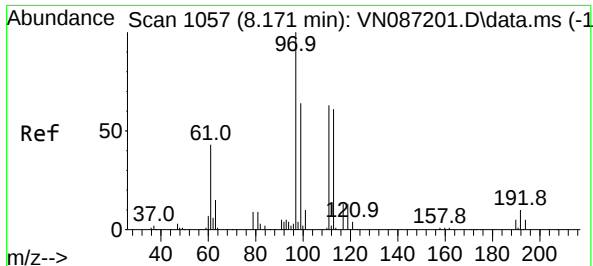
Tgt Ion: 65 Resp: 127745
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. -0.000 min
 Lab File: VN087229.D
 Acq: 27 Jun 2025 17:42

Tgt Ion: 114 Resp: 325244
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.0
 88 15.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.092 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN087229.D

Acq: 27 Jun 2025 17:42

Instrument :

MSVOA_N

ClientSampleId :

IBLK

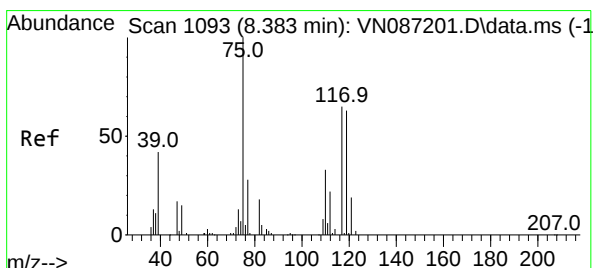
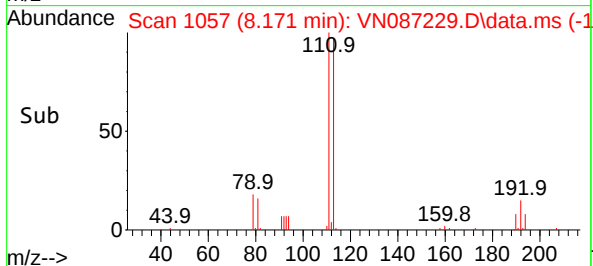
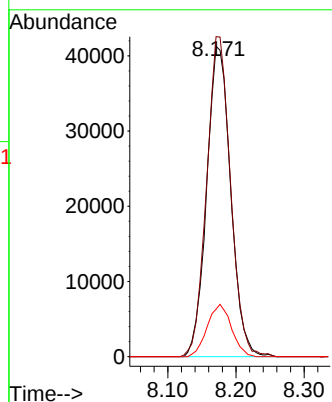
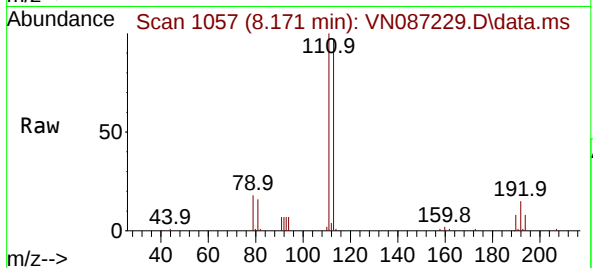
Tgt Ion:113 Resp: 101125

Ion Ratio Lower Upper

113 100

111 102.6 82.6 124.0

192 17.0 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.220 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.153 min

Lab File: VN087229.D

Acq: 27 Jun 2025 17:42

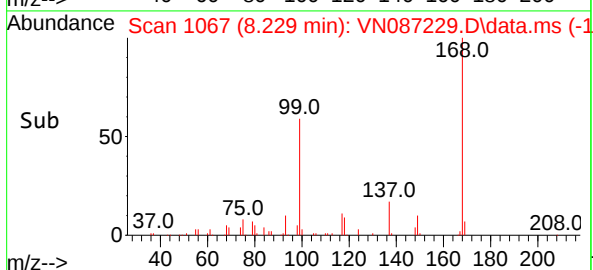
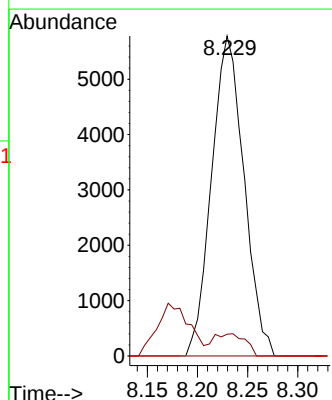
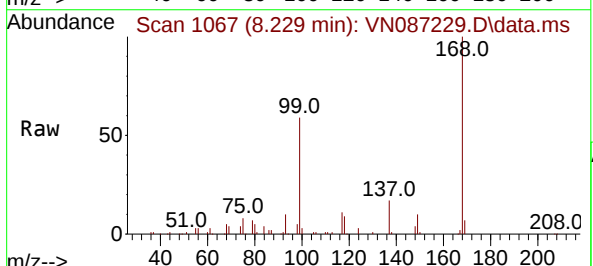
Tgt Ion: 75 Resp: 12997

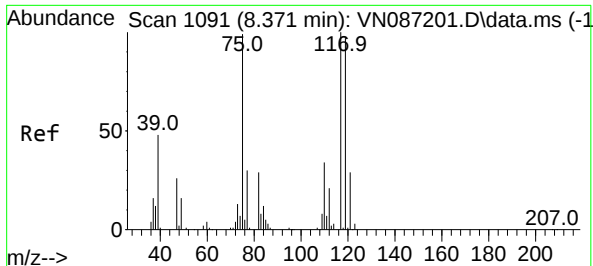
Ion Ratio Lower Upper

75 100

110 7.0 16.9 50.6#

77 0.0 24.7 37.1#

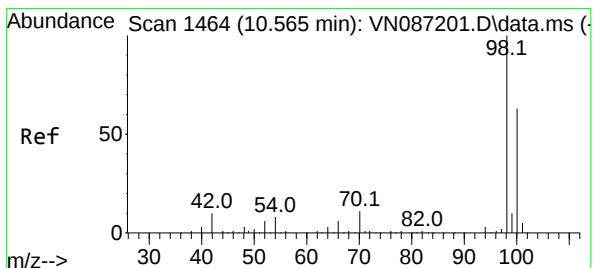
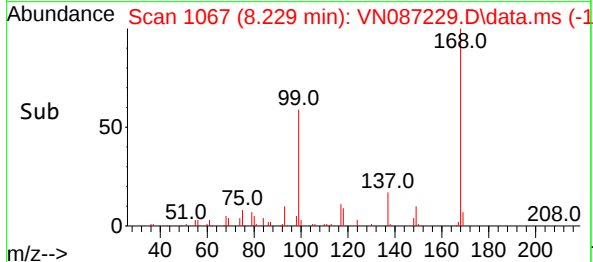
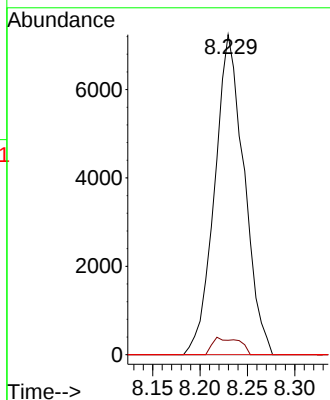
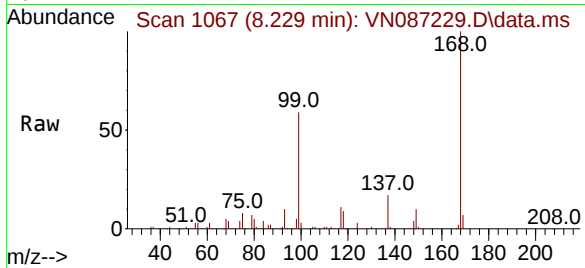




#38
Carbon Tetrachloride
Concen: 5.221 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN087229.D
Acq: 27 Jun 2025 17:42

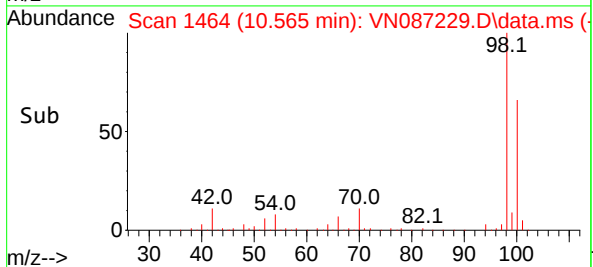
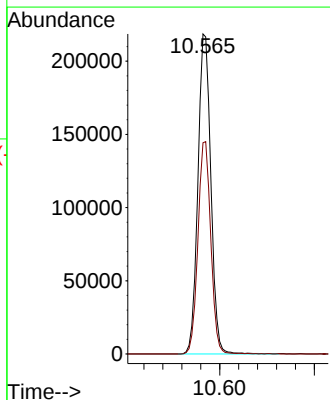
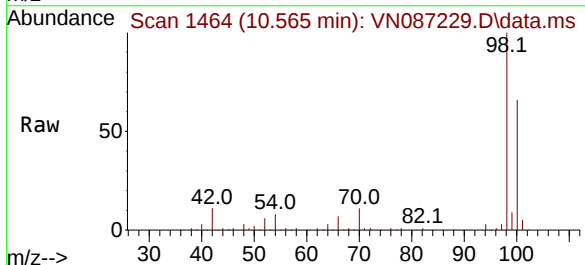
Instrument :
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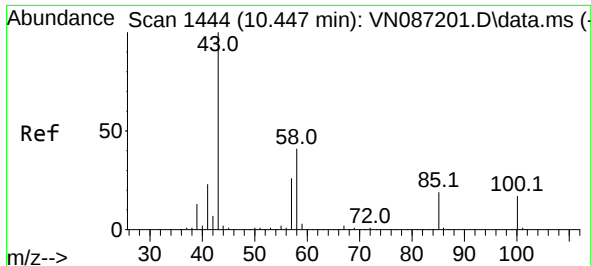
Tgt Ion:117 Resp: 15661
Ion Ratio Lower Upper
117 100
119 4.5 77.4 116.0#
121 0.0 23.2 34.8#



#50
Toluene-d8
Concen: 47.584 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087229.D
Acq: 27 Jun 2025 17:42

Tgt Ion: 98 Resp: 413823
Ion Ratio Lower Upper
98 100
100 65.8 52.7 79.1

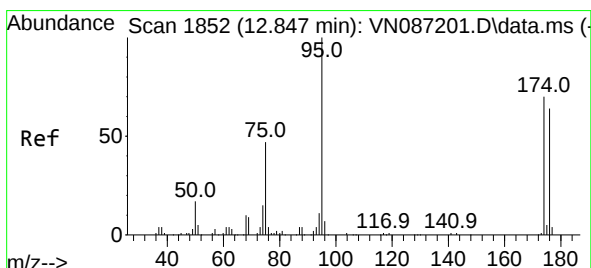
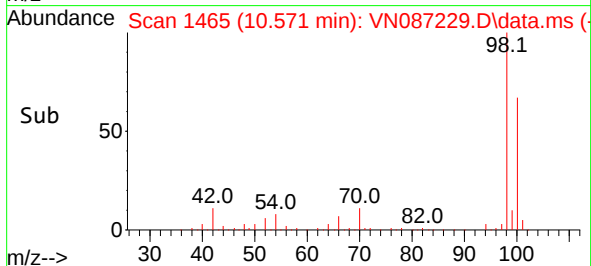
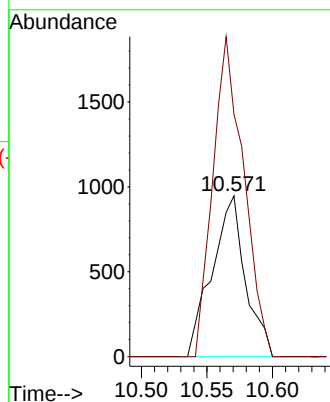
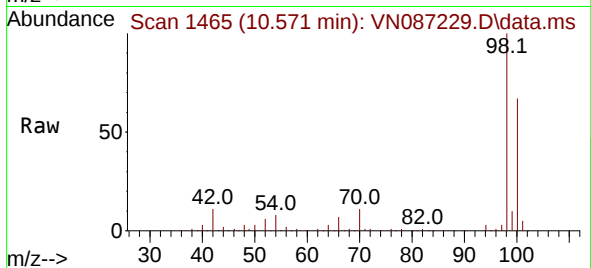




#51
4-Methyl-2-Pentanone
Concen: Below Cal
RT: 10.571 min Scan# 1444
Delta R.T. 0.124 min
Lab File: VN087229.D
Acq: 27 Jun 2025 17:42

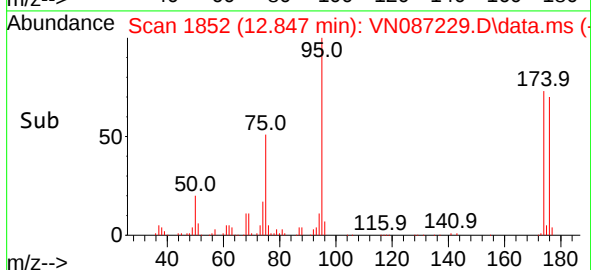
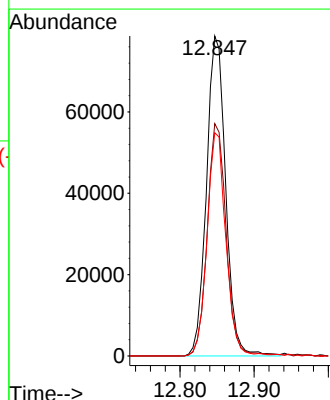
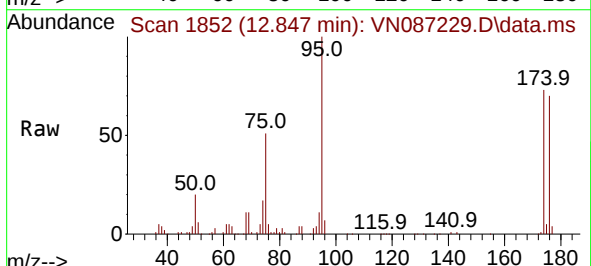
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MSVOA_N
ClientSampleId :
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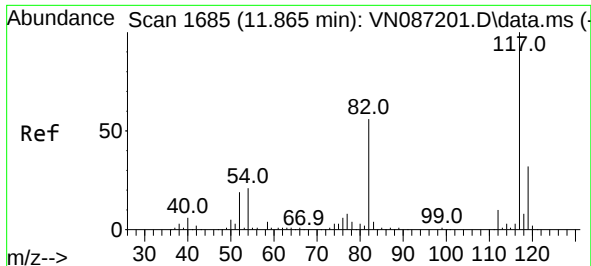
Tgt Ion: 43 Resp: 1677
Ion Ratio Lower Upper
43 100
58 184.2 32.6 48.8#



#62
4-Bromofluorobenzene
Concen: 46.906 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087229.D
Acq: 27 Jun 2025 17:42

Tgt Ion: 95 Resp: 141547
Ion Ratio Lower Upper
95 100
174 71.7 0.0 142.2
176 68.4 0.0 134.8

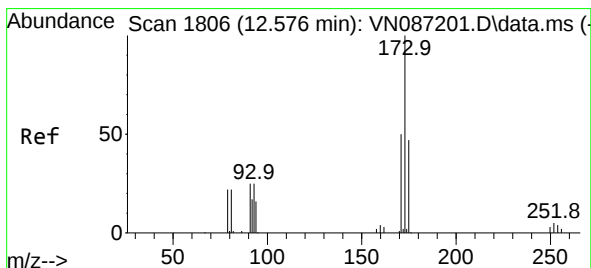
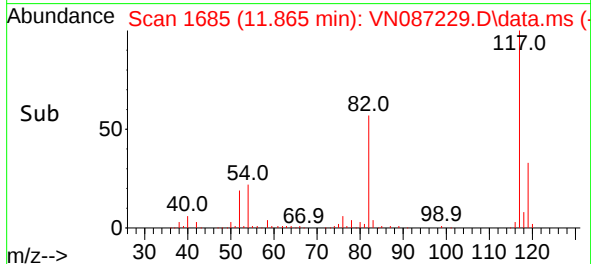
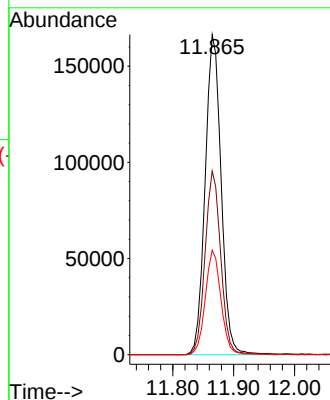
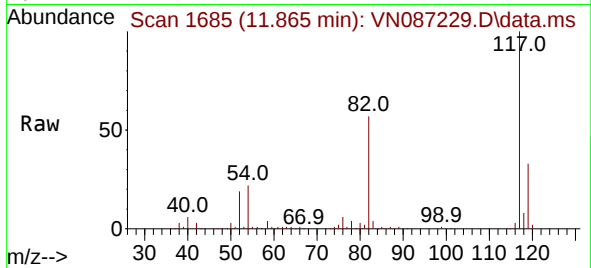




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087229.D
Acq: 27 Jun 2025 17:42

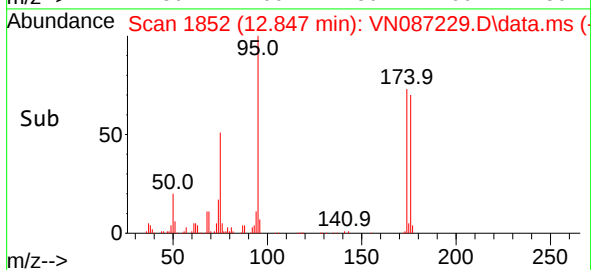
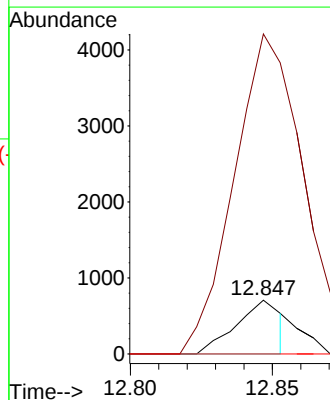
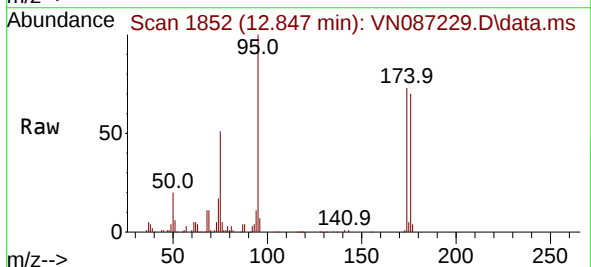
Instrument :
MSVOA_N
ClientSampleId :
IBLK

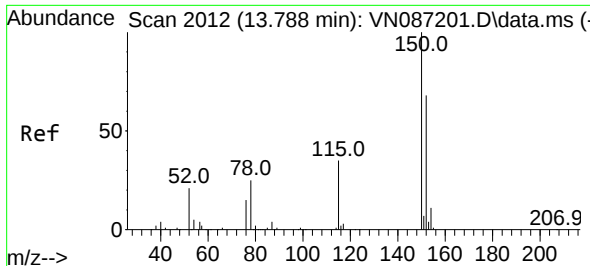
Tgt Ion:117 Resp: 303989
Ion Ratio Lower Upper
117 100
82 57.4 45.0 67.4
119 32.6 25.9 38.9



#71
Bromoform
Concen: 0.491 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN087229.D
Acq: 27 Jun 2025 17:42

Tgt Ion:173 Resp: 785
Ion Ratio Lower Upper
173 100
175 656.2 23.8 71.2#
254 0.0 0.0 0.0

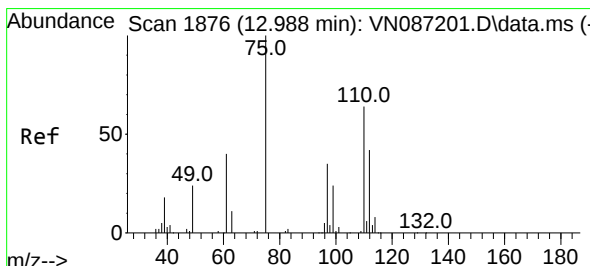
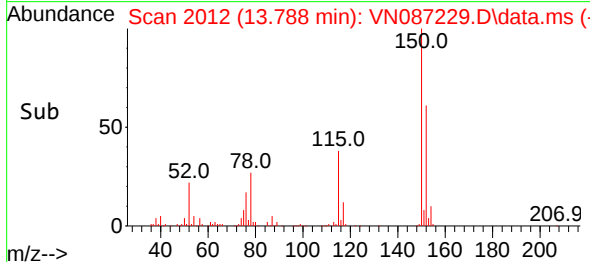
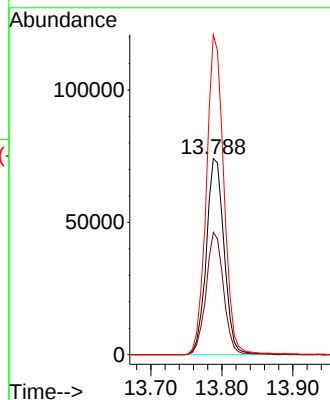
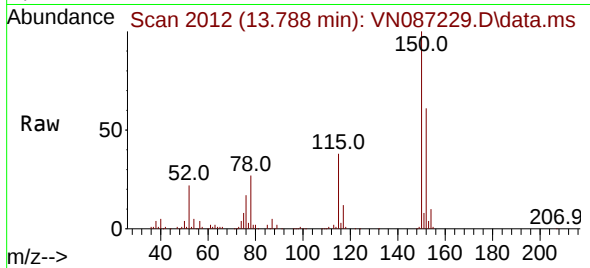




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN087229.D
Acq: 27 Jun 2025 17:42

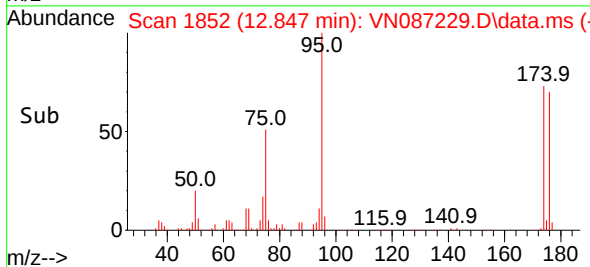
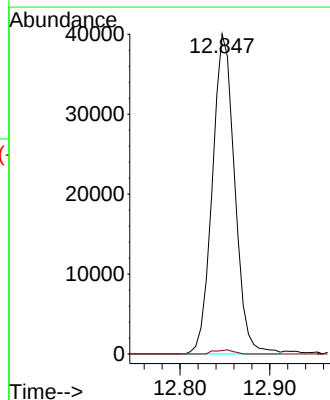
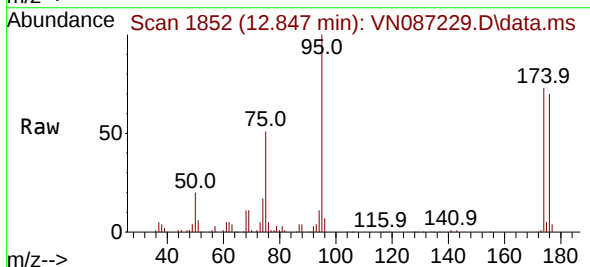
Instrument :
MSVOA_N
ClientSampleId :
IBLK

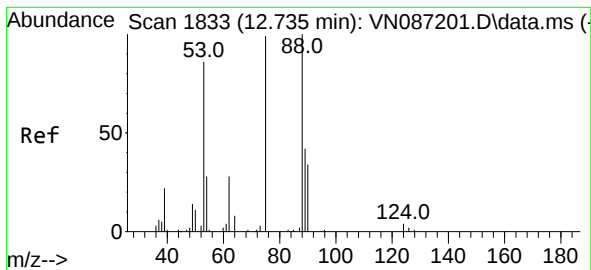
Tgt Ion:152 Resp: 129443
Ion Ratio Lower Upper
152 100
115 61.4 30.6 91.8
150 160.0 0.0 347.8



#76
1,2,3-Trichloropropane
Concen: 23.975 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN087229.D
Acq: 27 Jun 2025 17:42

Tgt Ion: 75 Resp: 69241
Ion Ratio Lower Upper
75 100
77 1.1 85.5 256.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.810 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN087229.D
 Acq: 27 Jun 2025 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion: 75 Resp: 69241
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.0#
 89 0.0 37.9 56.9#

