

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062725\
 Data File : VN087225.D
 Acq On : 27 Jun 2025 16:17
 Operator : JC\MD
 Sample : Q2437-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Jun 27 23:47:00 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)

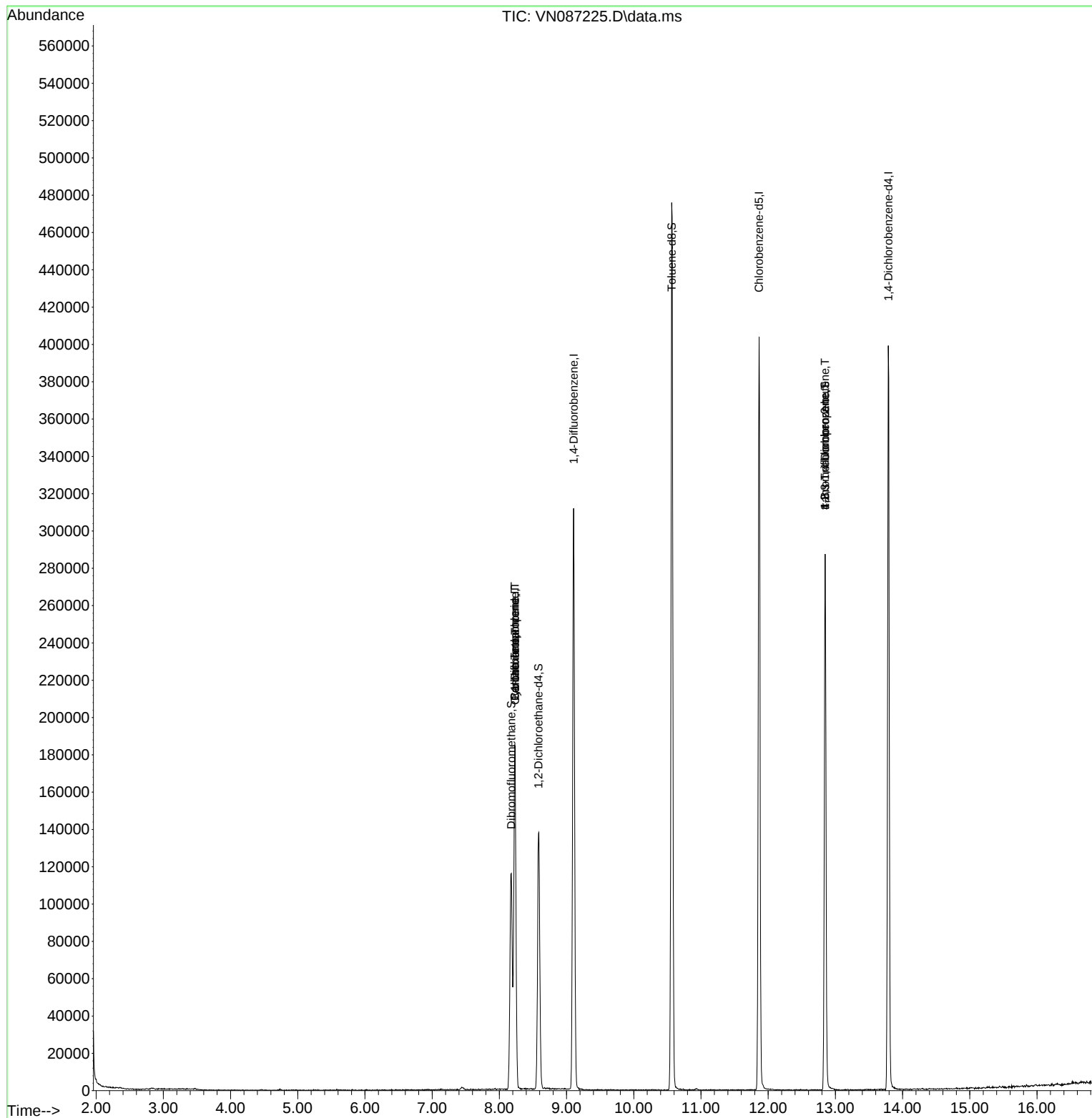
Internal Standards						
1) Pentafluorobenzene	8.230	168	138288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	271970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	247376	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	113772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	116179	58.379	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.760%			
35) Dibromofluoromethane	8.177	113	90150	51.271	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.540%			
50) Toluene-d8	10.565	98	342051	47.035	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.080%			
62) 4-Bromofluorobenzene	12.847	95	112738	44.677	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.360%			
Target Compounds						
16) Acetone	4.459	43	601	Below Cal	#	42
17) Carbon Disulfide	4.736	76	84	Below Cal	#	76
20) Methylene Chloride	5.318	84	59	Below Cal	#	8
31) Cyclohexane	8.235	56	2990	0.970	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	11741	4.559	ug/l #	48
38) Carbon Tetrachloride	8.230	117	14294	5.699	ug/l #	15
51) 4-Methyl-2-Pentanone	10.571	43	1308	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.847	75	54638	21.525	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	54638	48.310	ug/l #	13

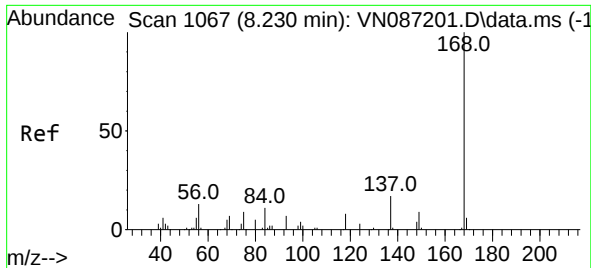
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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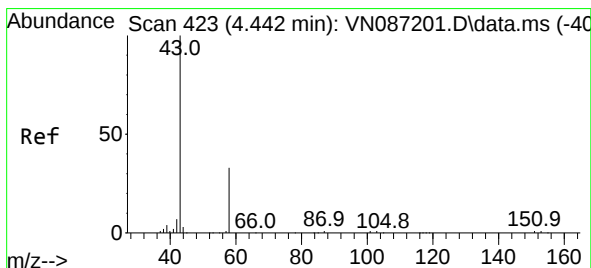
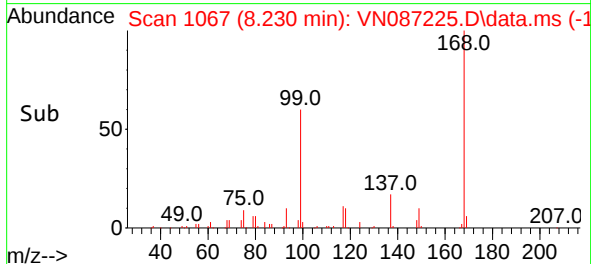
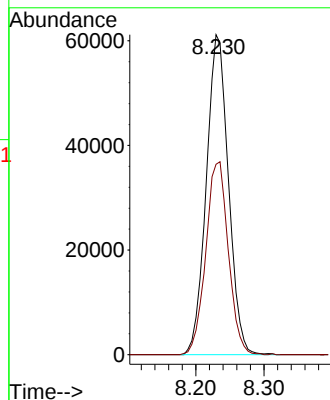
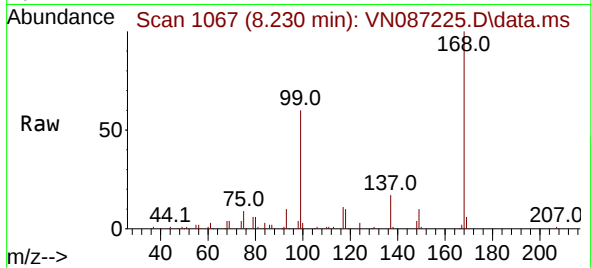




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN087225.D
Acq: 27 Jun 2025 16:17

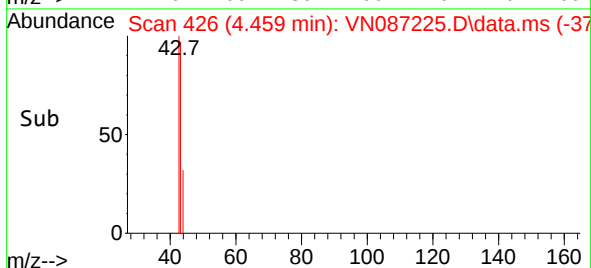
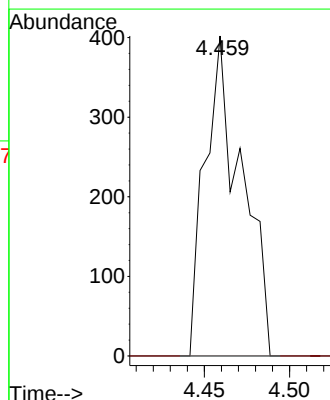
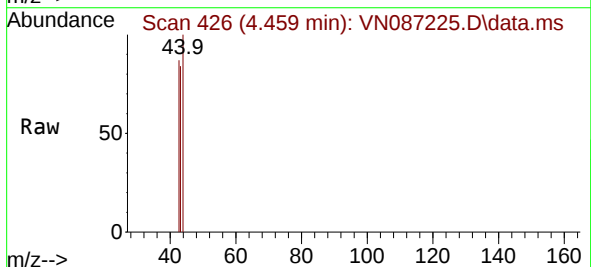
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

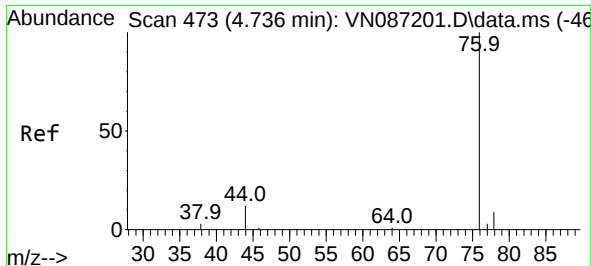
Tgt Ion:168 Resp: 138288
Ion Ratio Lower Upper
168 100
99 59.5 47.9 71.9



#16
Acetone
Concen: Below Cal
RT: 4.459 min Scan# 426
Delta R.T. 0.017 min
Lab File: VN087225.D
Acq: 27 Jun 2025 16:17

Tgt Ion: 43 Resp: 601
Ion Ratio Lower Upper
43 100
58 0.0 26.5 39.7#

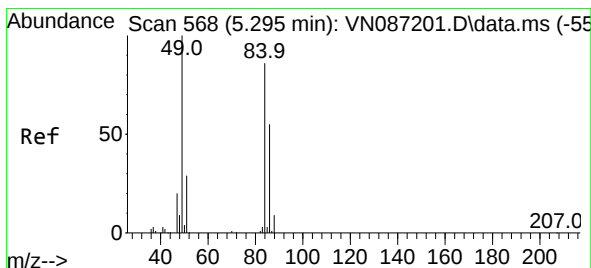
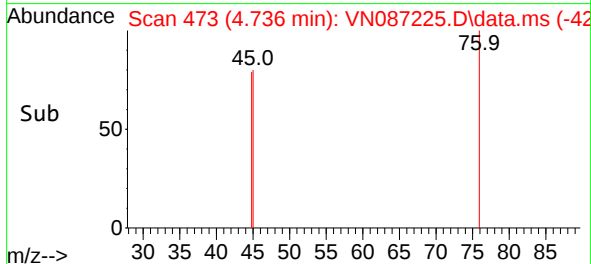
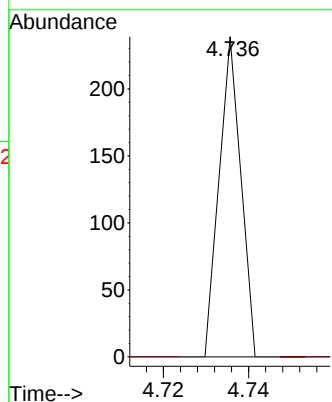
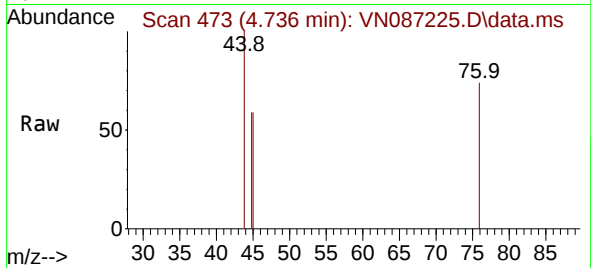




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.736 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN087225.D
Acq: 27 Jun 2025 16:17

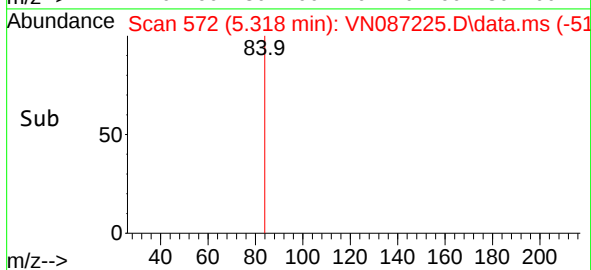
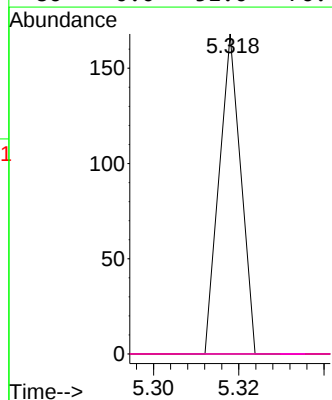
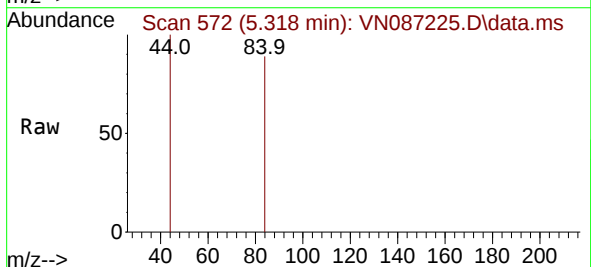
Instrument :
MSVOA_N
ClientSampleId :
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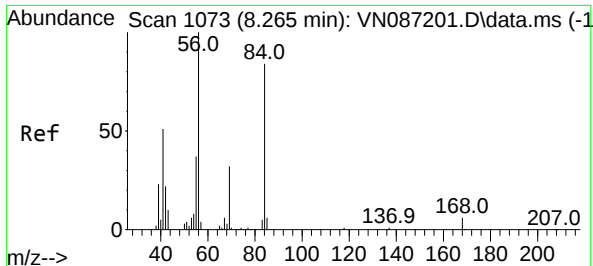
Tgt Ion: 76 Resp: 84
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.318 min Scan# 572
Delta R.T. 0.023 min
Lab File: VN087225.D
Acq: 27 Jun 2025 16:17

Tgt Ion: 84 Resp: 59
Ion Ratio Lower Upper
84 100
49 0.0 93.0 139.6#
51 0.0 27.2 40.8#
86 0.0 51.0 76.4#

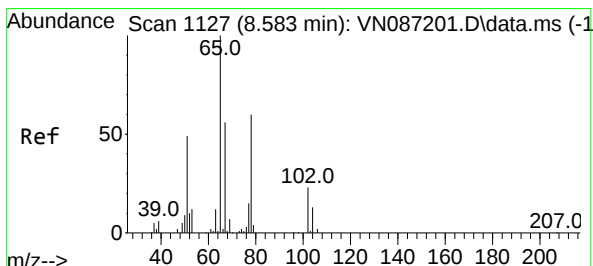
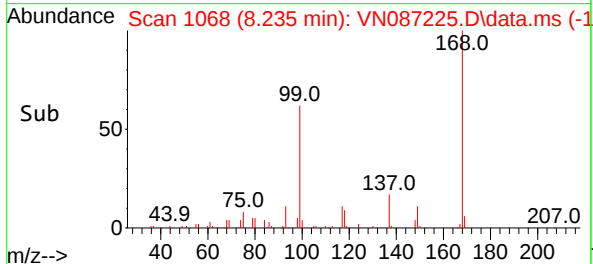
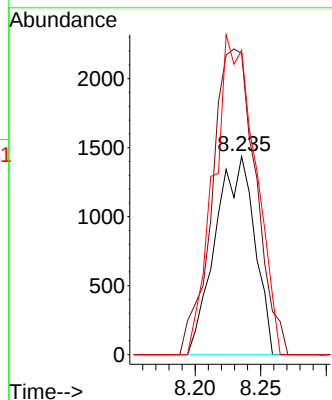
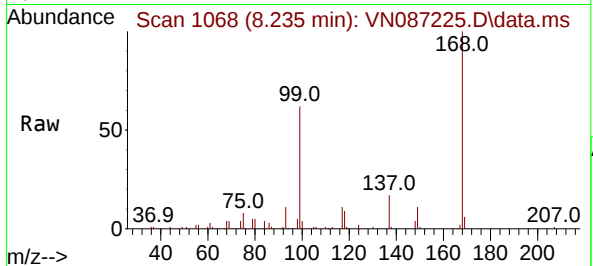




#31
Cyclohexane
Concen: 0.970 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN087225.D
Acq: 27 Jun 2025 16:17

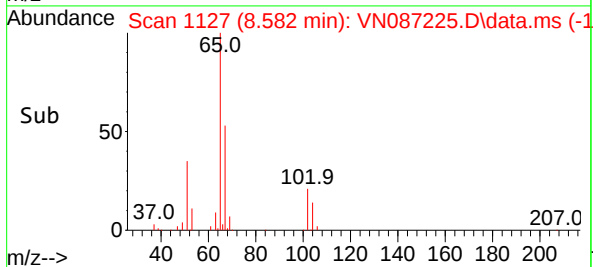
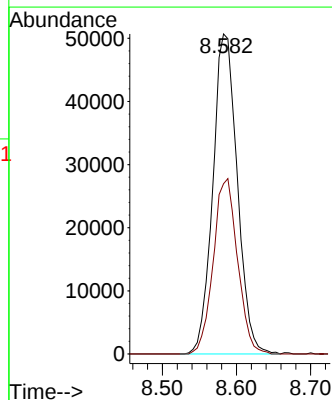
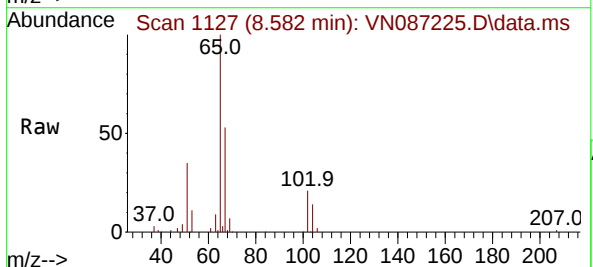
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

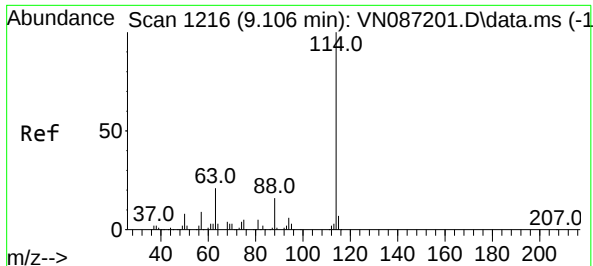
Tgt Ion: 56 Resp: 2990
Ion Ratio Lower Upper
56 100
69 151.9 25.3 37.9#
84 153.5 67.4 101.0#



#33
1,2-Dichloroethane-d4
Concen: 58.379 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087225.D
Acq: 27 Jun 2025 16:17

Tgt Ion: 65 Resp: 116179
Ion Ratio Lower Upper
65 100
67 54.3 0.0 108.0

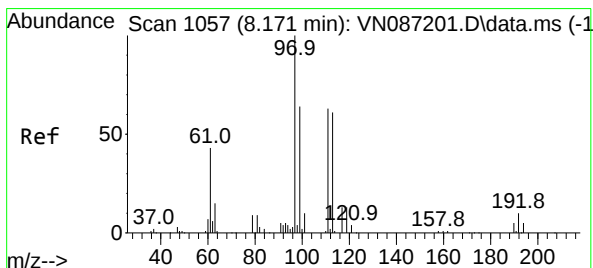
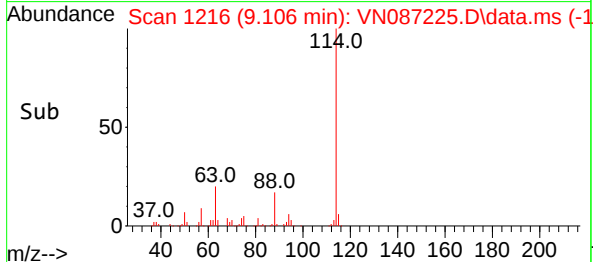
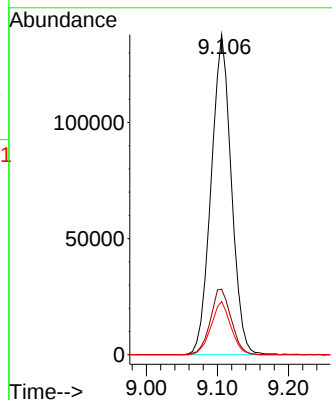
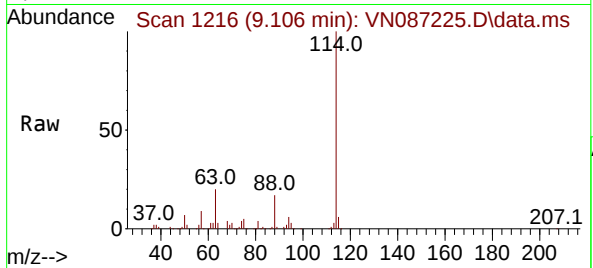




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087225.D
Acq: 27 Jun 2025 16:17

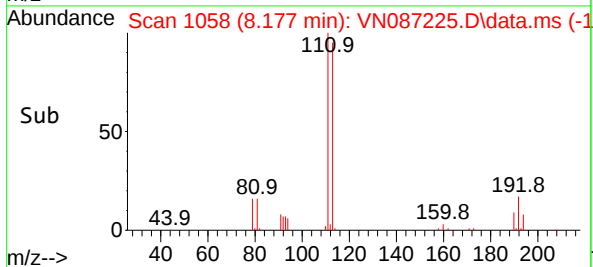
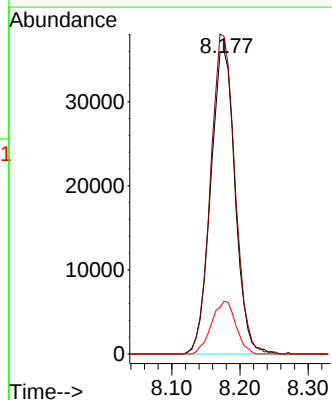
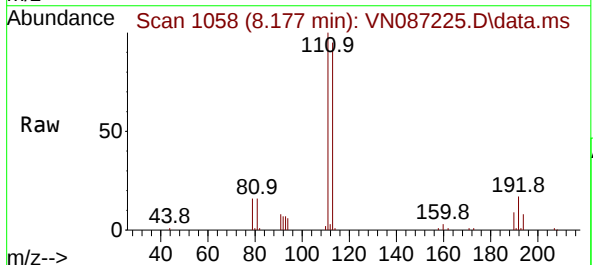
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

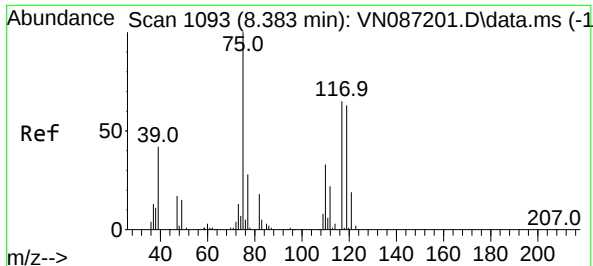
Tgt Ion:	114	Resp:	271970
Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	42.0
88	16.6	0.0	32.0



#35
Dibromofluoromethane
Concen: 51.271 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087225.D
Acq: 27 Jun 2025 16:17

Tgt Ion:	113	Resp:	90150
Ion	Ratio	Lower	Upper
113	100		
111	105.2	82.6	124.0
192	17.3	13.5	20.3

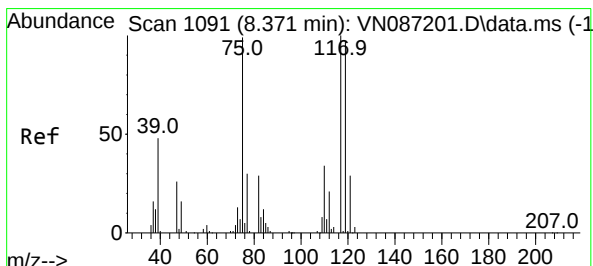
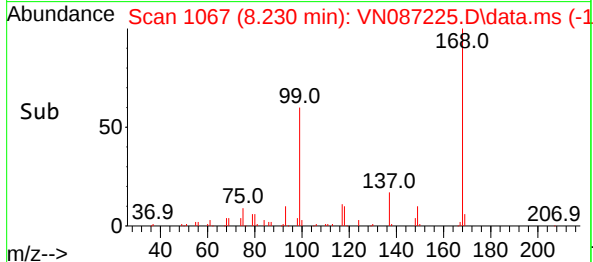
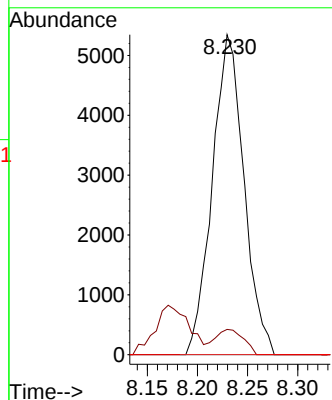
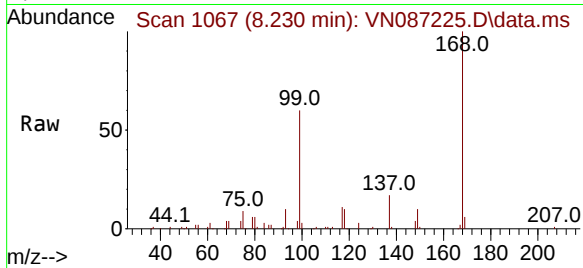




#36
1,1-Dichloropropene
Concen: 4.559 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.153 min
Lab File: VN087225.D
Acq: 27 Jun 2025 16:17

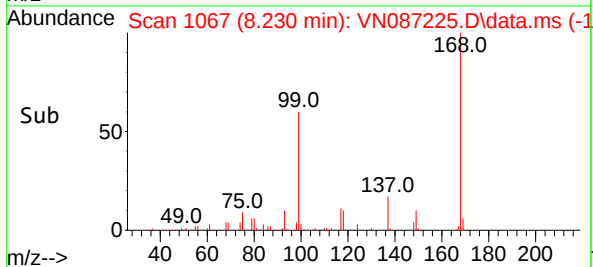
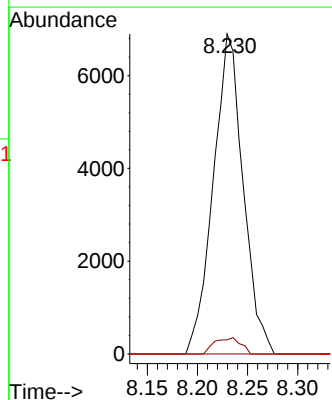
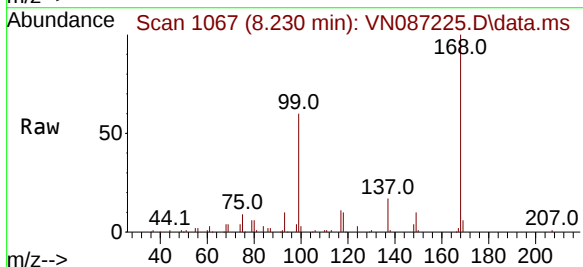
Instrument :
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ClientSampleId :
STORAGE-BLANK-WATER-REF-4

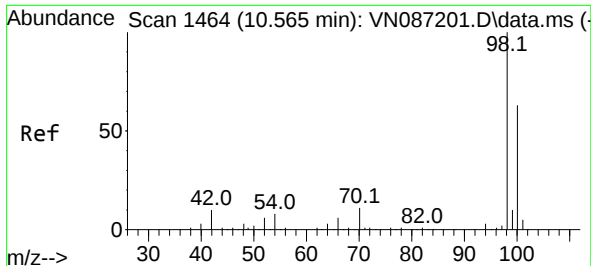
Tgt Ion: 75 Resp: 11741
Ion Ratio Lower Upper
75 100
110 6.7 16.9 50.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.699 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN087225.D
Acq: 27 Jun 2025 16:17

Tgt Ion: 117 Resp: 14294
Ion Ratio Lower Upper
117 100
119 4.4 77.4 116.0#
121 0.0 23.2 34.8#

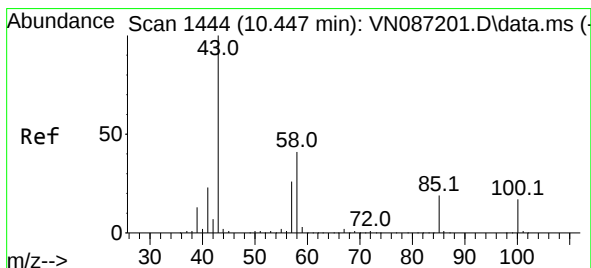
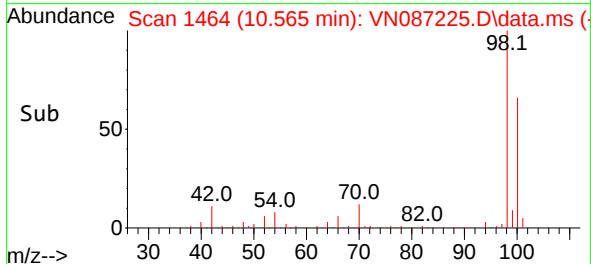
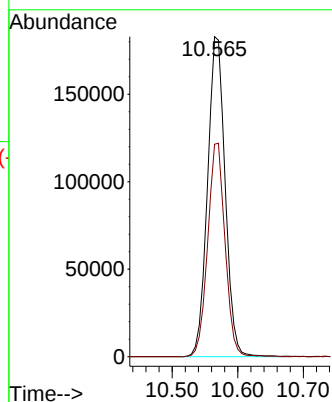
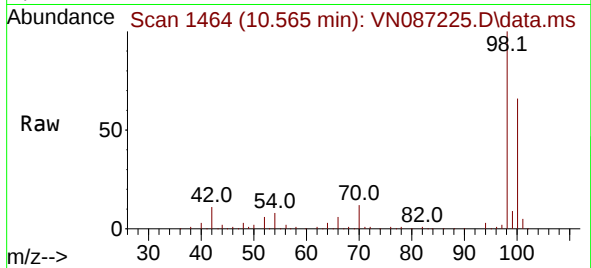




#50
Toluene-d8
Concen: 47.035 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087225.D
Acq: 27 Jun 2025 16:17

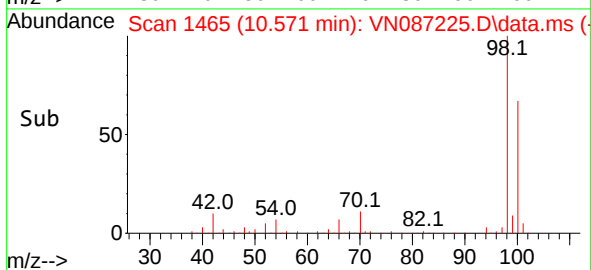
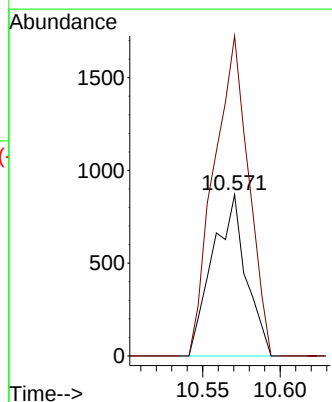
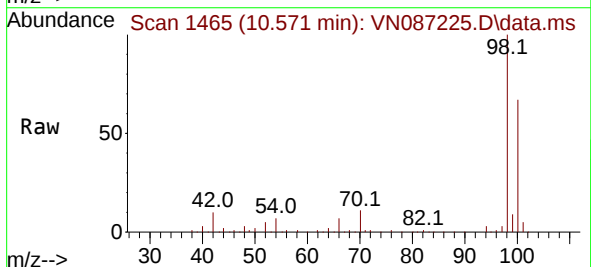
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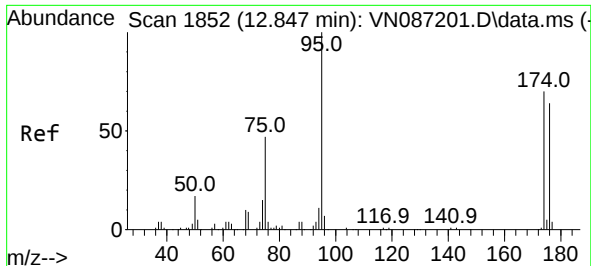
Tgt Ion: 98 Resp: 342051
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: Below Cal
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN087225.D
Acq: 27 Jun 2025 16:17

Tgt Ion: 43 Resp: 1308
Ion Ratio Lower Upper
43 100
58 205.0 32.6 48.8#

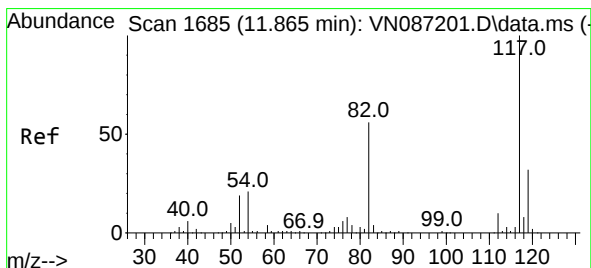
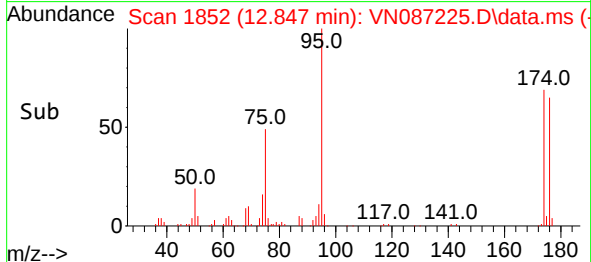
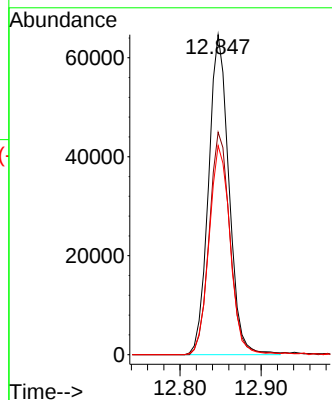
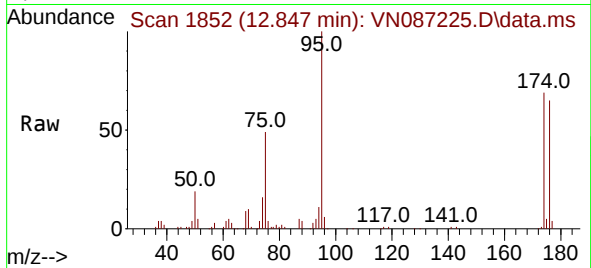




#62
4-Bromofluorobenzene
Concen: 44.677 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087225.D
Acq: 27 Jun 2025 16:17

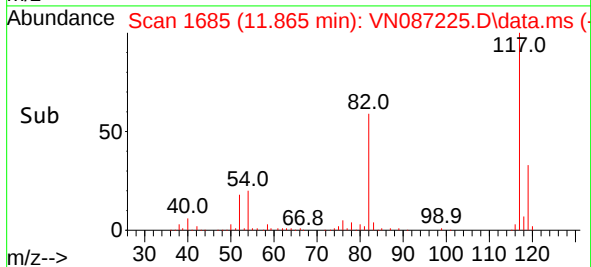
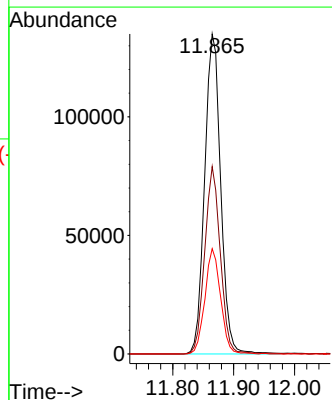
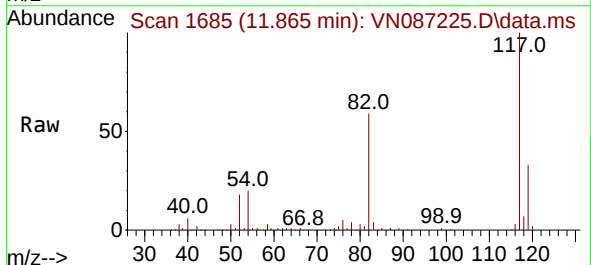
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

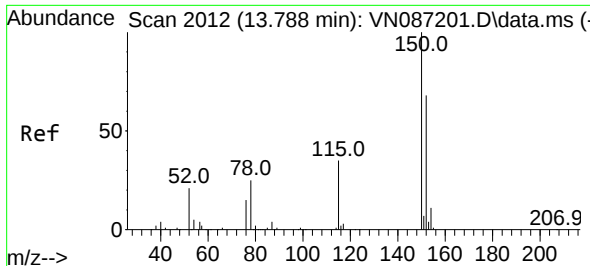
Tgt Ion: 95 Resp: 112738
Ion Ratio Lower Upper
95 100
174 71.3 0.0 142.2
176 67.5 0.0 134.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087225.D
Acq: 27 Jun 2025 16:17

Tgt Ion: 117 Resp: 247376
Ion Ratio Lower Upper
117 100
82 58.6 45.0 67.4
119 32.9 25.9 38.9

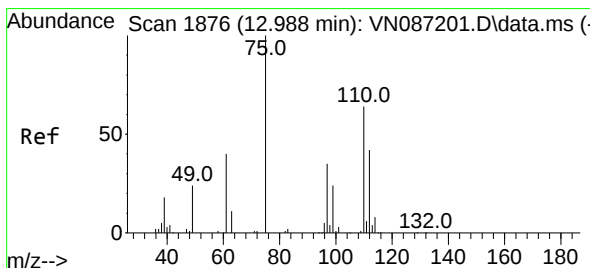
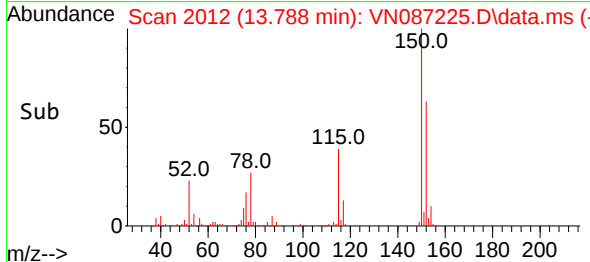
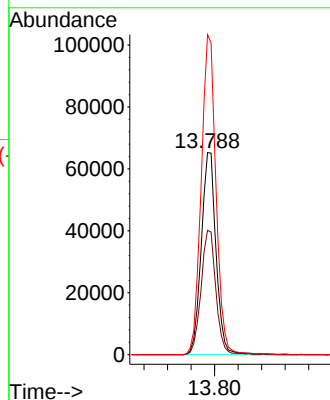
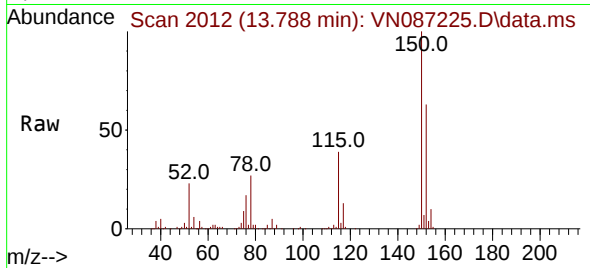




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN087225.D
Acq: 27 Jun 2025 16:17

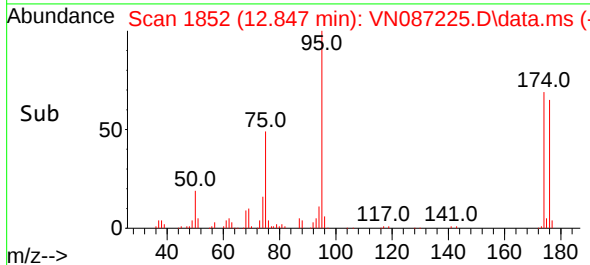
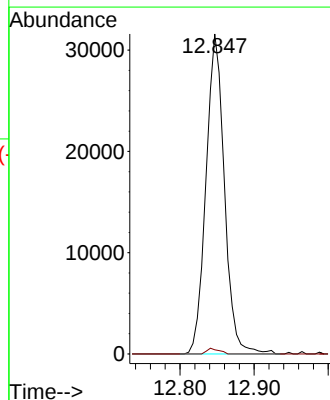
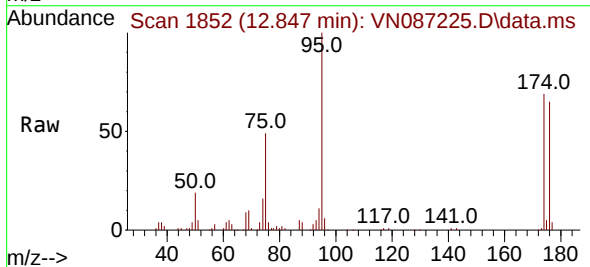
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

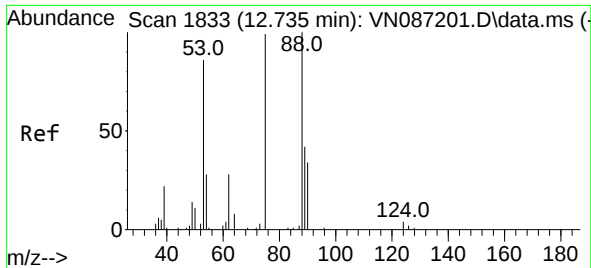
Tgt Ion:152 Resp: 113772
Ion Ratio Lower Upper
152 100
115 61.7 30.6 91.8
150 157.9 0.0 347.8



#76
1,2,3-Trichloropropane
Concen: 21.525 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN087225.D
Acq: 27 Jun 2025 16:17

Tgt Ion: 75 Resp: 54638
Ion Ratio Lower Upper
75 100
77 1.2 85.5 256.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.310 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087225.D
 Acq: 27 Jun 2025 16:17

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Tgt Ion: 75 Resp: 54638
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.0#
 89 0.0 37.9 56.9#

