

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102925\
 Data File : VN088169.D
 Acq On : 29 Oct 2025 18:13
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Oct 30 04:11:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

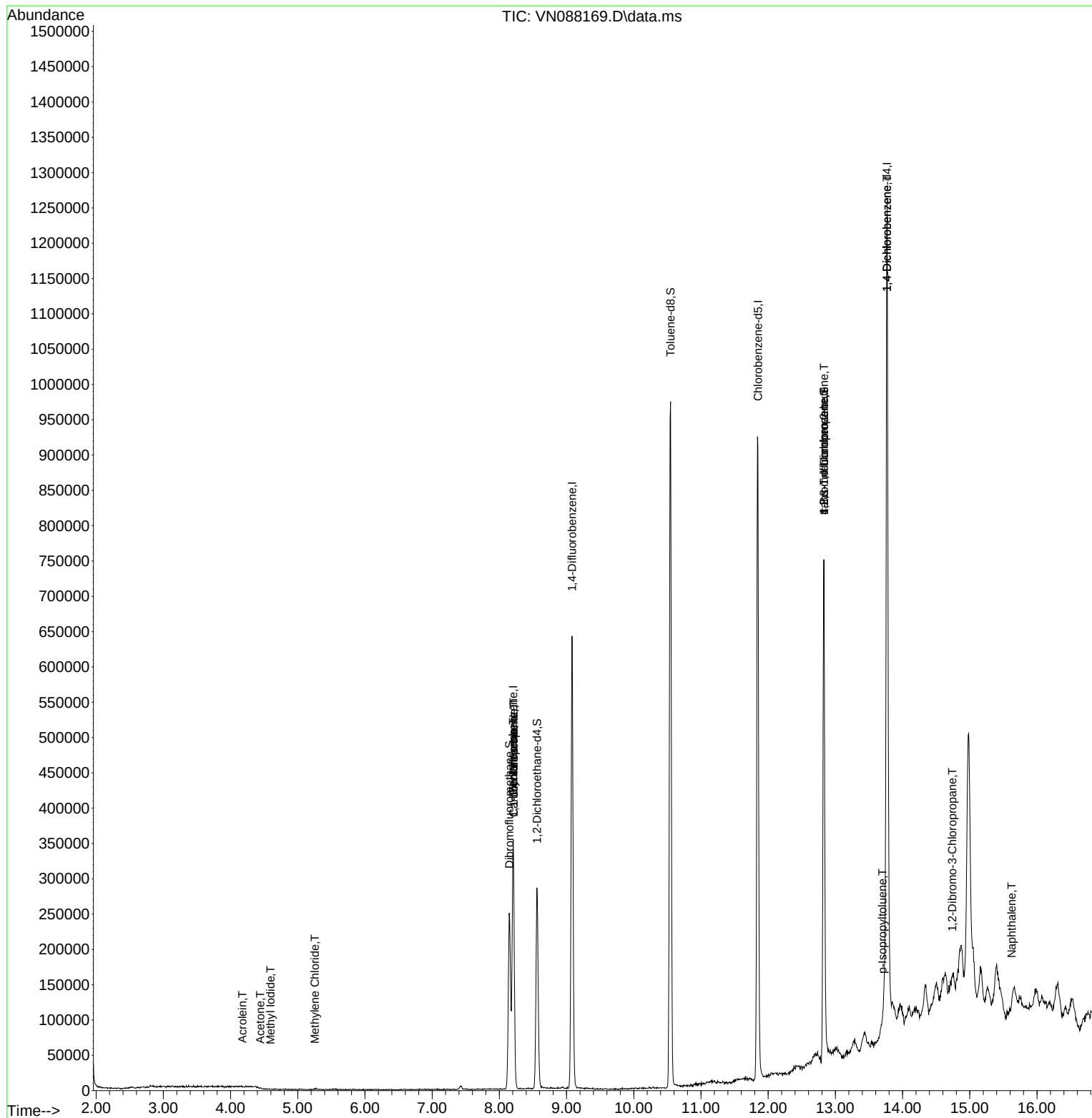
Internal Standards						
1) Pentafluorobenzene	8.206	168	228635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	521936	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	504616	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	248127	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	239161	60.492	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.980%	
35) Dibromofluoromethane	8.147	113	175580	50.074	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.140%	
50) Toluene-d8	10.547	98	671912	49.732	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.460%	
62) 4-Bromofluorobenzene	12.829	95	270099	56.607	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 113.220%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.594	142	56	4.230	ug/l #	38
13) Acrolein	4.177	56	197	0.257	ug/l #	72
16) Acetone	4.442	43	1424	0.717	ug/l #	47
20) Methylene Chloride	5.253	84	726	1.004	ug/l #	51
31) Cyclohexane	8.206	56	7259	1.312	ug/l #	37
36) 1,1-Dichloropropene	8.212	75	22804	4.454	ug/l #	51
38) Carbon Tetrachloride	8.212	117	26393	4.991	ug/l #	14
76) 1,2,3-Trichloropropane	12.829	75	154317	27.202	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	154317	75.882	ug/l #	1
86) p-Isopropyltoluene	13.700	119	10393	0.621	ug/l #	73
88) 1,4-Dichlorobenzene	13.770	146	2327	0.263	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.741	75	574	0.414	ug/l	66
95) Naphthalene	15.623	128	3531	0.214	ug/l #	85

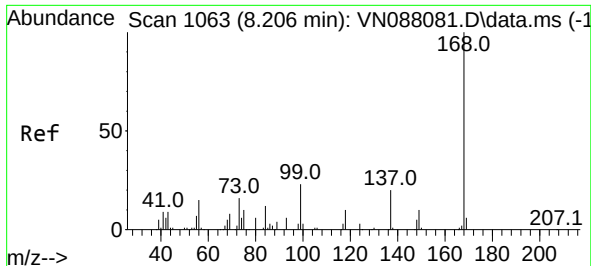
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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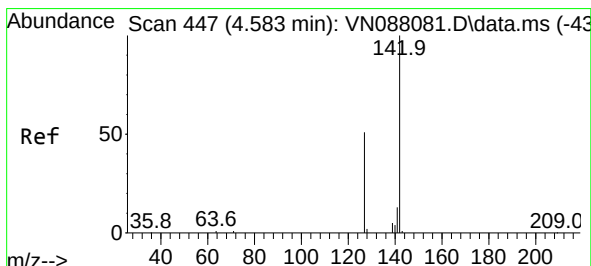
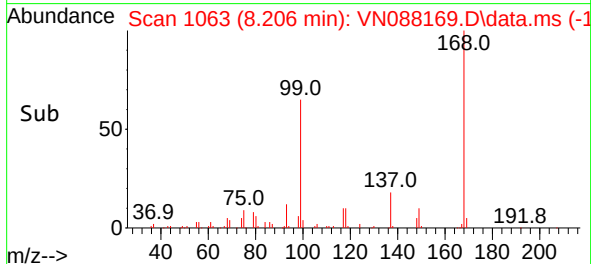
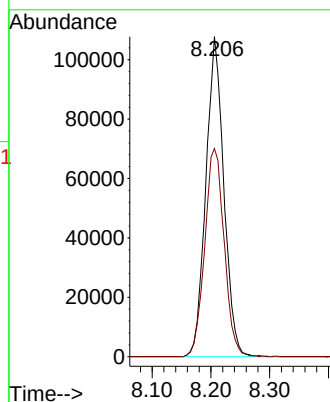
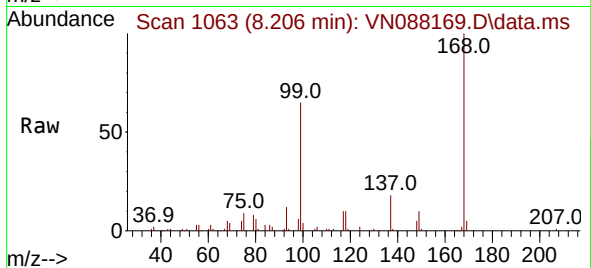




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088169.D
Acq: 29 Oct 2025 18:13

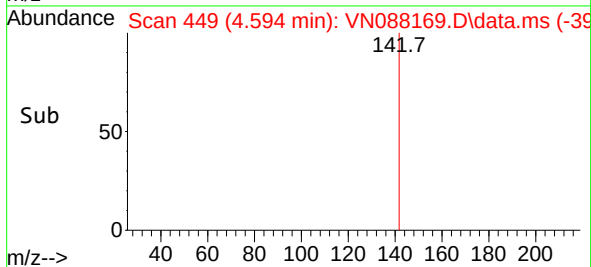
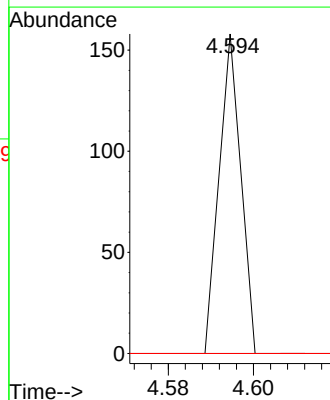
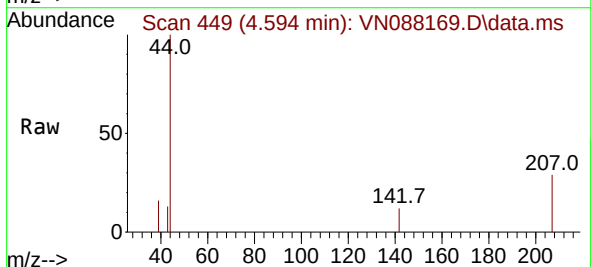
Instrument :
MSVOA_N
ClientSampleId :
IBLK

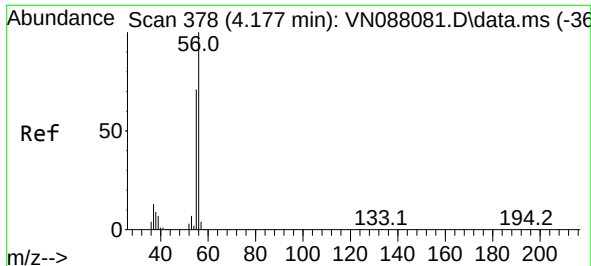
Tgt Ion:168 Resp: 228635
Ion Ratio Lower Upper
168 100
99 65.0 57.2 85.8



#10
Methyl Iodide
Concen: 4.230 ug/l
RT: 4.594 min Scan# 449
Delta R.T. 0.017 min
Lab File: VN088169.D
Acq: 29 Oct 2025 18:13

Tgt Ion:142 Resp: 56
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#

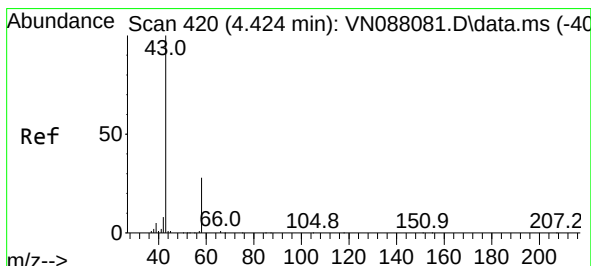
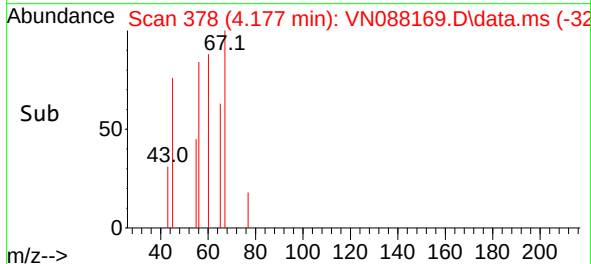
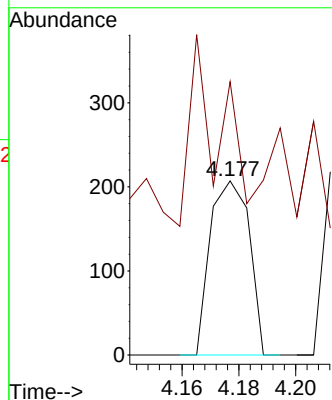
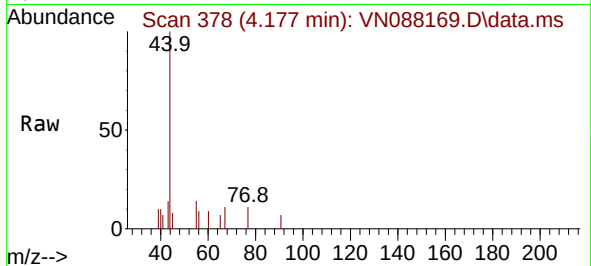




#13
Acrolein
Concen: 0.257 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN088169.D
Acq: 29 Oct 2025 18:13

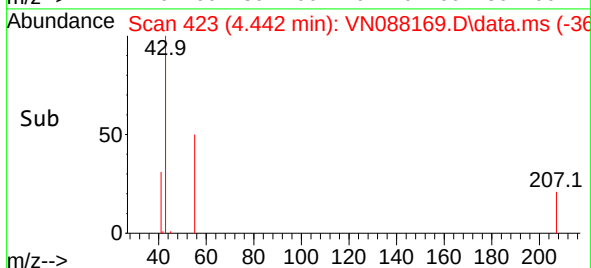
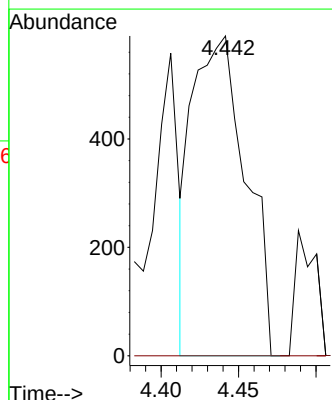
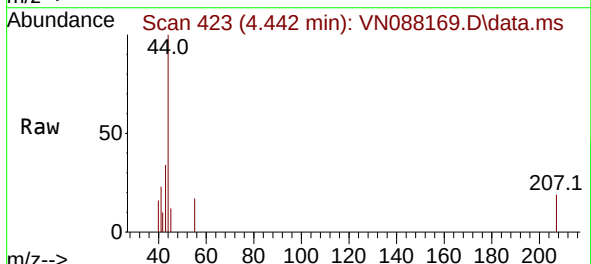
Instrument :
MSVOA_N
ClientSampleId :
IBLK

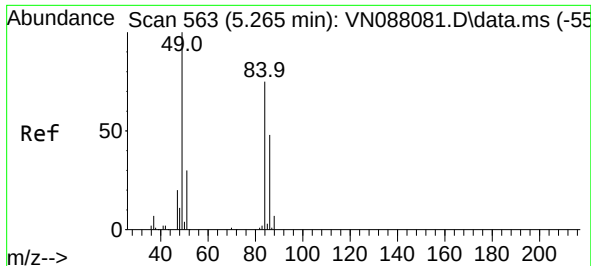
Tgt Ion: 56 Resp: 197
Ion Ratio Lower Upper
56 100
55 94.9 57.3 85.9#



#16
Acetone
Concen: 0.717 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN088169.D
Acq: 29 Oct 2025 18:13

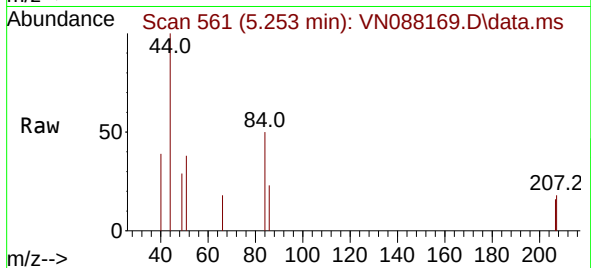
Tgt Ion: 43 Resp: 1424
Ion Ratio Lower Upper
43 100
58 0.0 22.6 33.8#



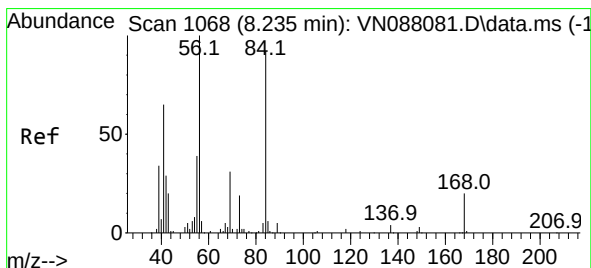
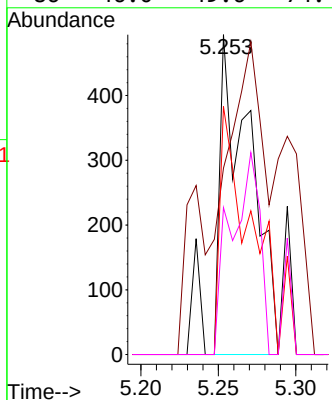
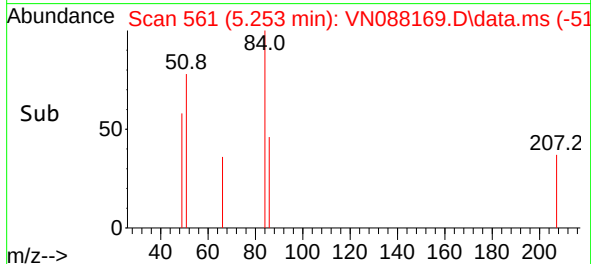


#20
Methylene Chloride
Concen: 1.004 ug/l
RT: 5.253 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN088169.D
Acq: 29 Oct 2025 18:13

Instrument :
MSVOA_N
ClientSampleId :
IBLK

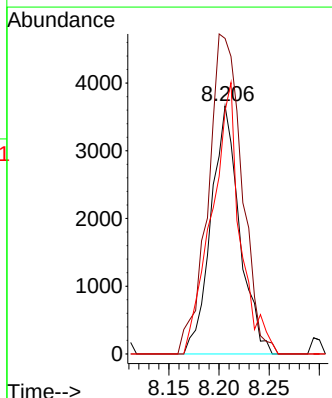
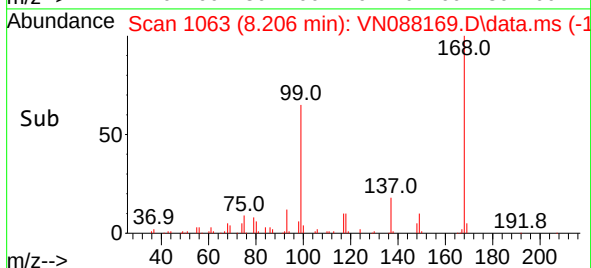
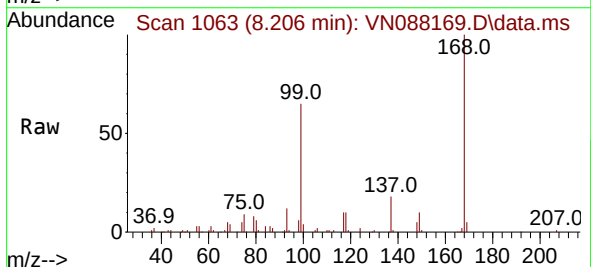


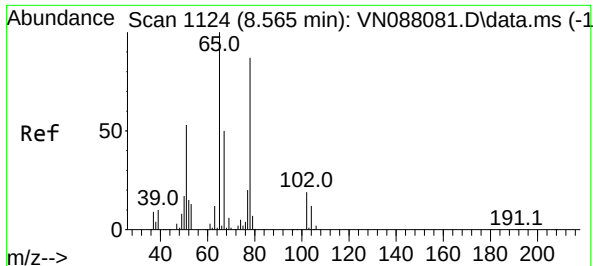
Tgt Ion:	84	Resp:	726
Ion	Ratio	Lower	Upper
84	100		
49	58.3	103.4	155.2#
51	77.5	33.8	50.8#
86	46.0	49.6	74.4#



#31
Cyclohexane
Concen: 1.312 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.030 min
Lab File: VN088169.D
Acq: 29 Oct 2025 18:13

Tgt Ion:	56	Resp:	7259
Ion	Ratio	Lower	Upper
56	100		
69	127.2	23.7	35.5#
84	98.0	64.7	97.1#

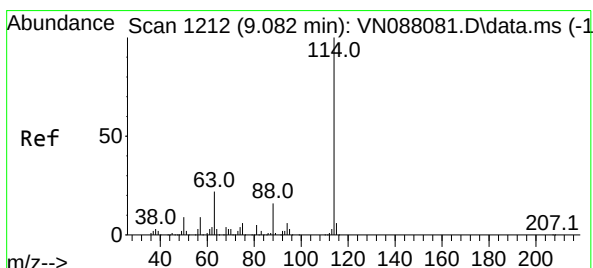
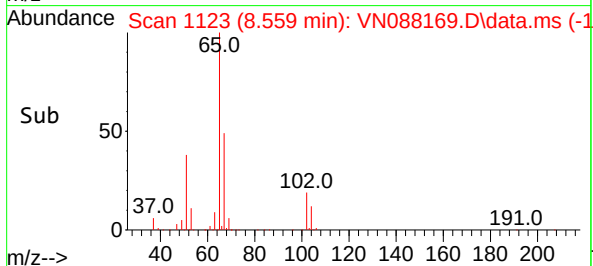
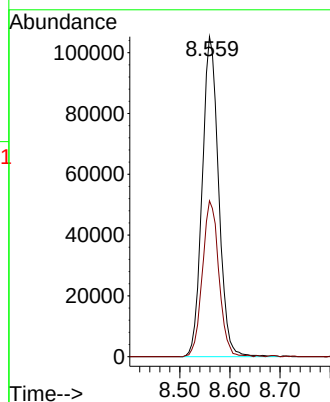
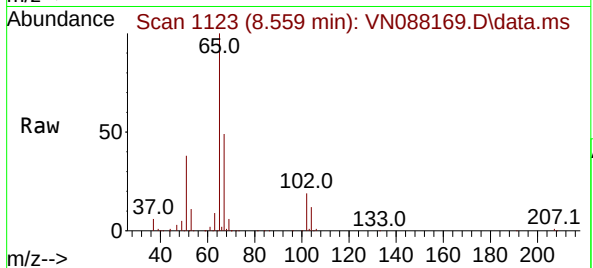




#33
 1,2-Dichloroethane-d4
 Concen: 60.492 ug/l
 RT: 8.559 min Scan# 1123
 Delta R.T. -0.000 min
 Lab File: VN088169.D
 Acq: 29 Oct 2025 18:13

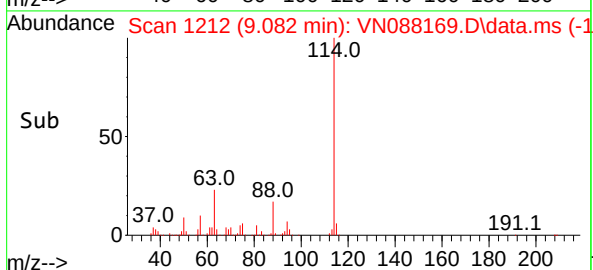
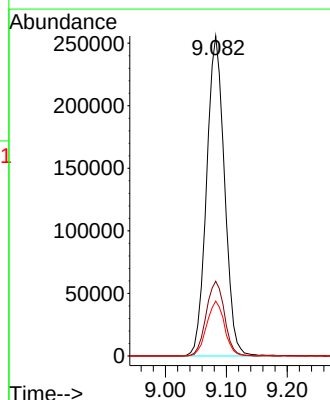
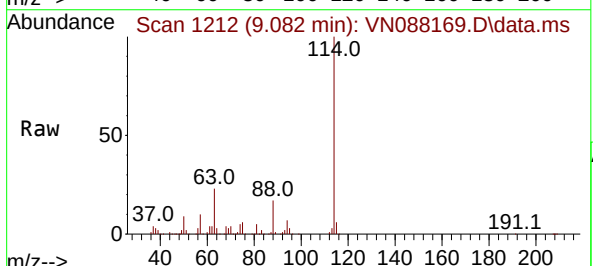
Instrument :
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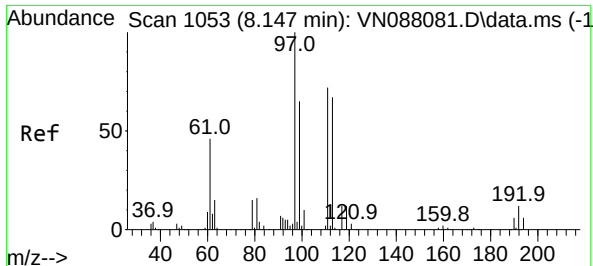
Tgt Ion: 65 Resp: 239161
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 100.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.082 min Scan# 1212
 Delta R.T. -0.000 min
 Lab File: VN088169.D
 Acq: 29 Oct 2025 18:13

Tgt Ion: 114 Resp: 521936
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 45.2
 88 17.1 0.0 33.4

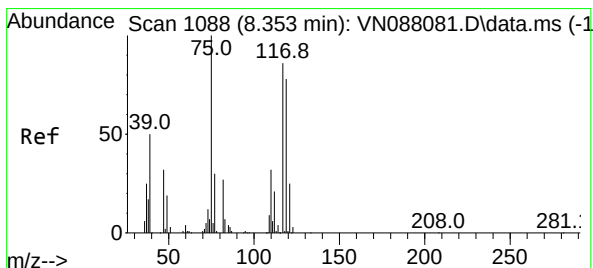
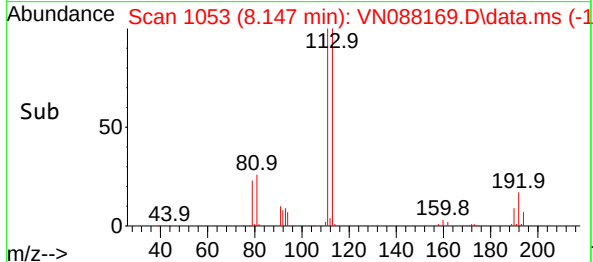
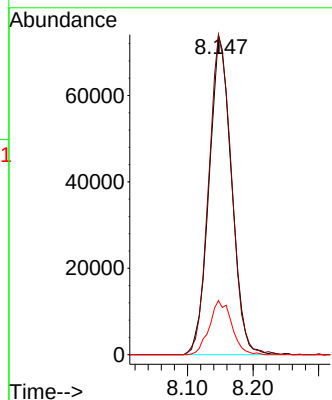
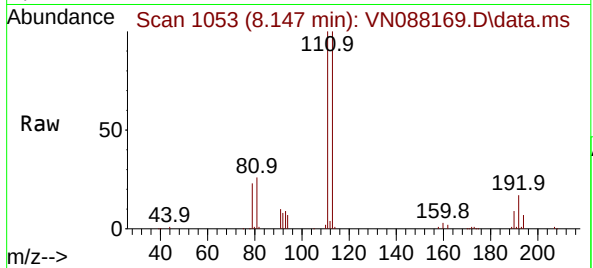




#35
 Dibromofluoromethane
 Concen: 50.074 ug/l
 RT: 8.147 min Scan# 1053
 Delta R.T. -0.006 min
 Lab File: VN088169.D
 Acq: 29 Oct 2025 18:13

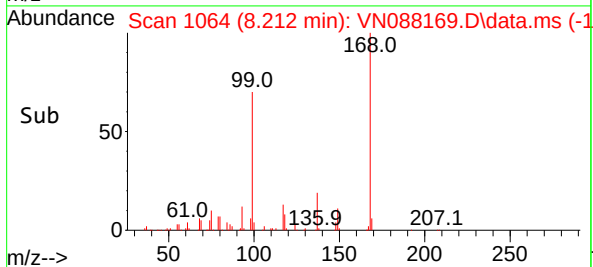
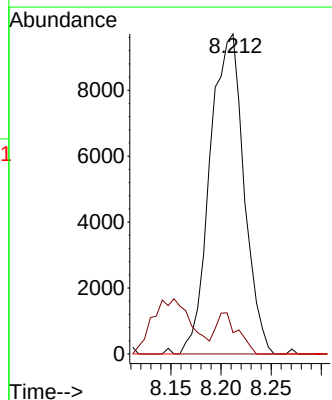
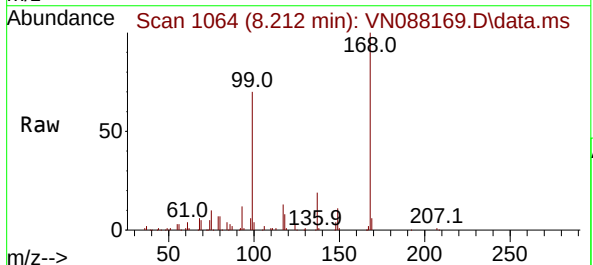
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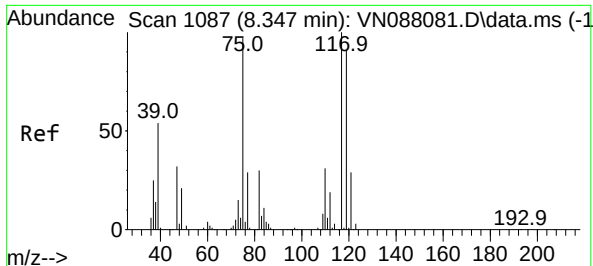
Tgt Ion:113 Resp: 175580
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.8 124.2
 192 16.9 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.454 ug/l
 RT: 8.212 min Scan# 1064
 Delta R.T. -0.141 min
 Lab File: VN088169.D
 Acq: 29 Oct 2025 18:13

Tgt Ion: 75 Resp: 22804
 Ion Ratio Lower Upper
 75 100
 110 8.3 15.9 47.6#
 77 0.0 24.4 36.6#

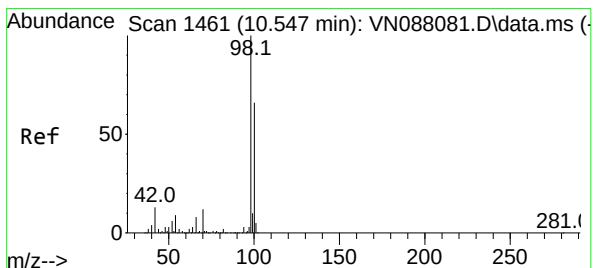
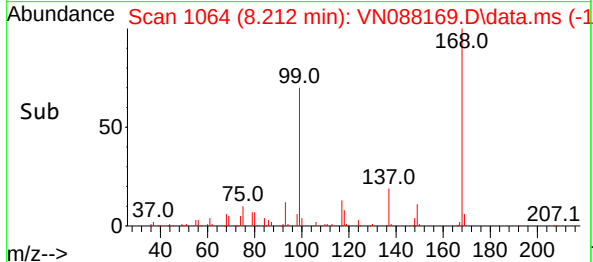
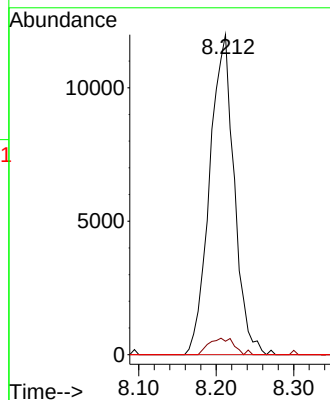
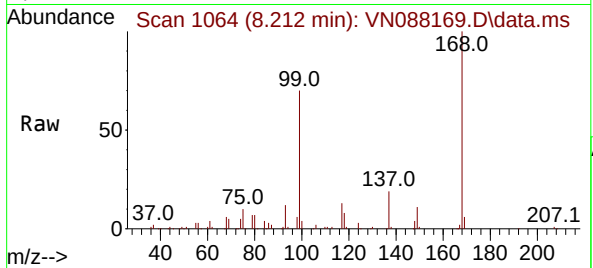




#38
Carbon Tetrachloride
Concen: 4.991 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.130 min
Lab File: VN088169.D
Acq: 29 Oct 2025 18:13

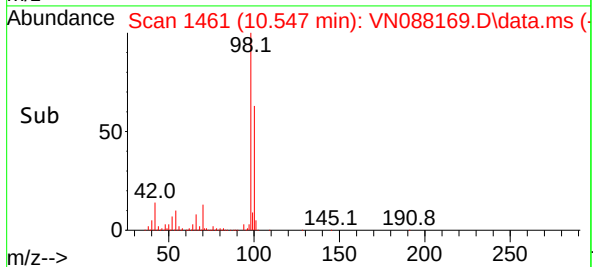
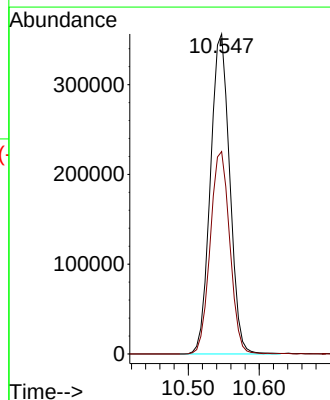
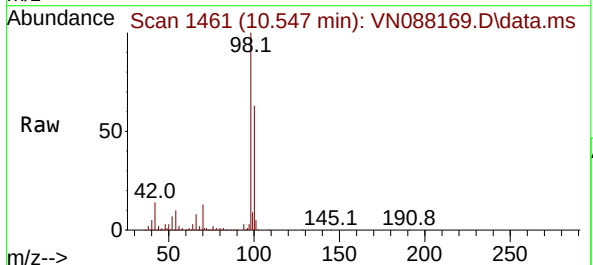
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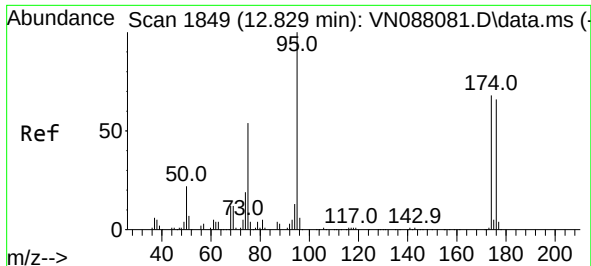
Tgt Ion:117 Resp: 26393
Ion Ratio Lower Upper
117 100
119 4.2 79.0 118.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 49.732 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088169.D
Acq: 29 Oct 2025 18:13

Tgt Ion: 98 Resp: 671912
Ion Ratio Lower Upper
98 100
100 64.0 52.8 79.2

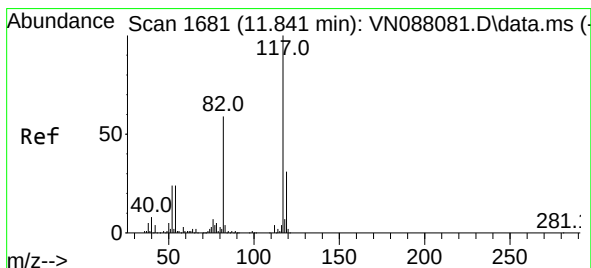
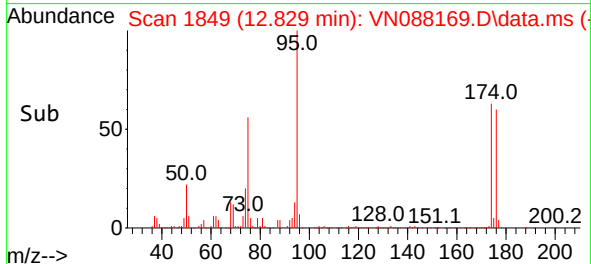
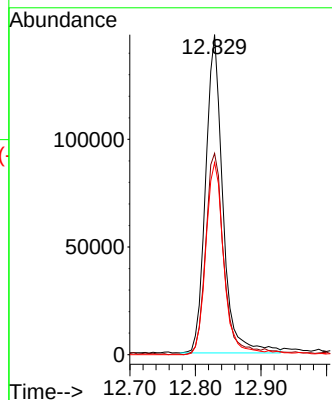
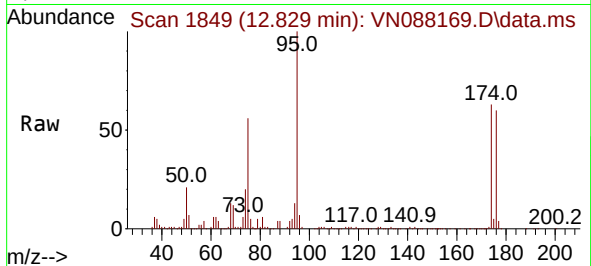




#62
4-Bromofluorobenzene
Concen: 56.607 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088169.D
Acq: 29 Oct 2025 18:13

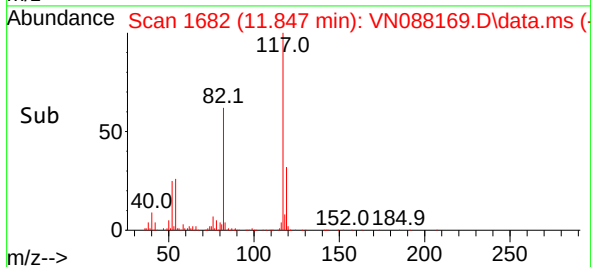
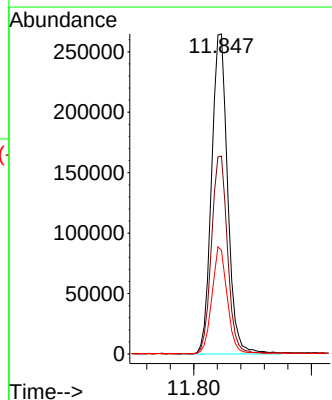
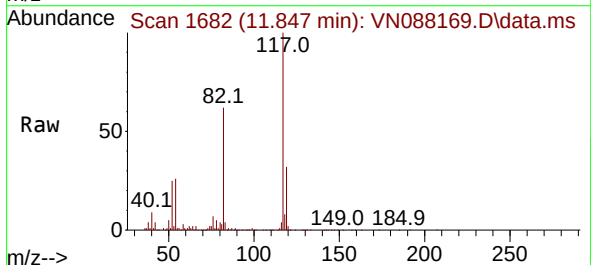
Instrument :
MSVOA_N
ClientSampleId :
IBLK

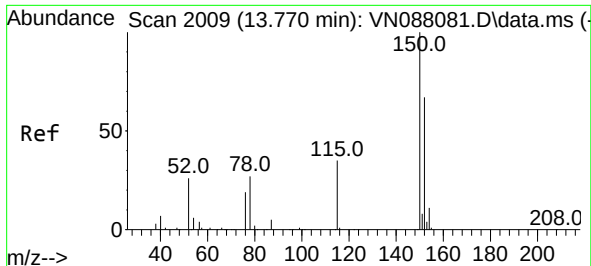
Tgt Ion: 95 Resp: 270099
Ion Ratio Lower Upper
95 100
174 67.8 0.0 138.4
176 63.0 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN088169.D
Acq: 29 Oct 2025 18:13

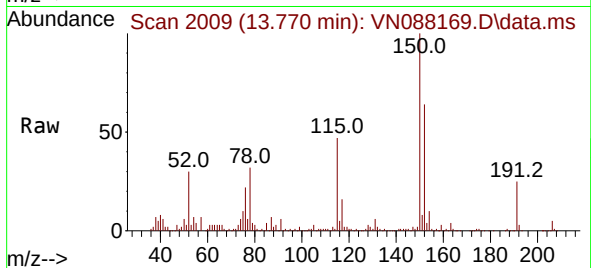
Tgt Ion: 117 Resp: 504616
Ion Ratio Lower Upper
117 100
82 61.8 47.4 71.2
119 32.3 24.3 36.5



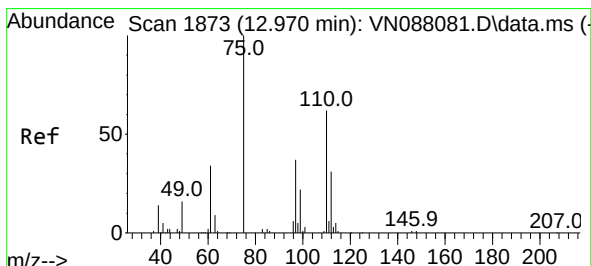
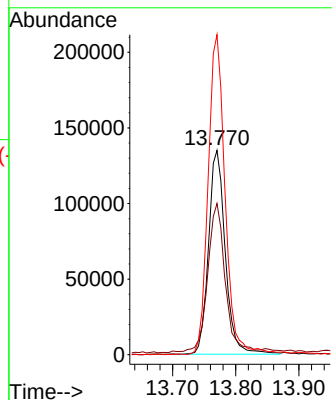
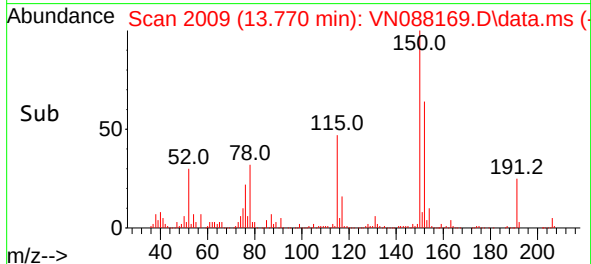


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088169.D
Acq: 29 Oct 2025 18:13

Instrument :
MSVOA_N
ClientSampleId :
IBLK

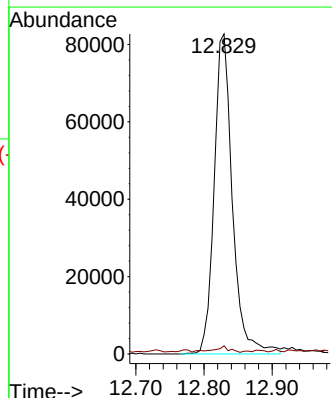
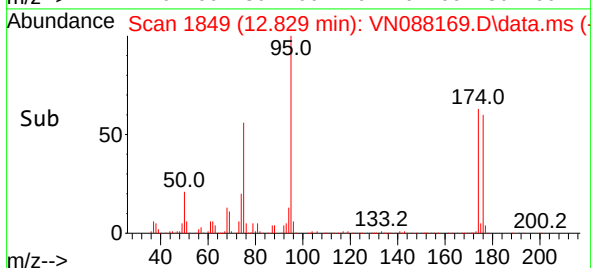
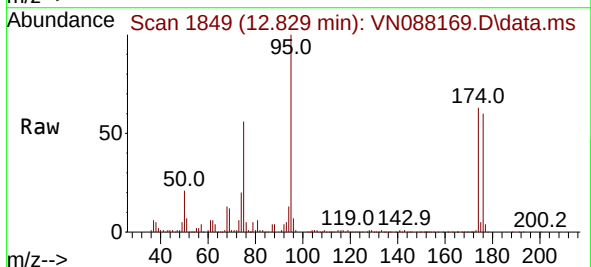


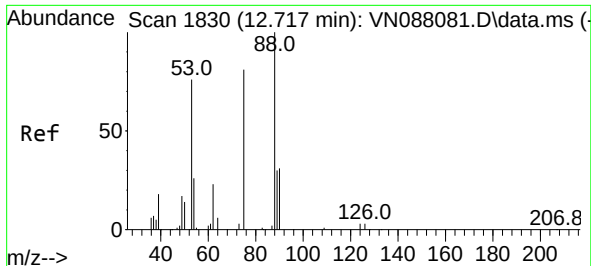
Tgt Ion:152 Resp: 248127
Ion Ratio Lower Upper
152 100
115 76.3 32.3 96.8
150 159.2 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 27.202 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN088169.D
Acq: 29 Oct 2025 18:13

Tgt Ion: 75 Resp: 154317
Ion Ratio Lower Upper
75 100
77 1.7 89.1 267.4#

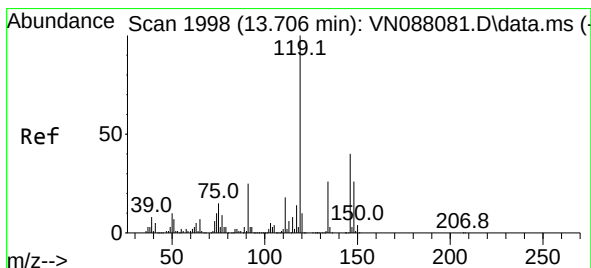
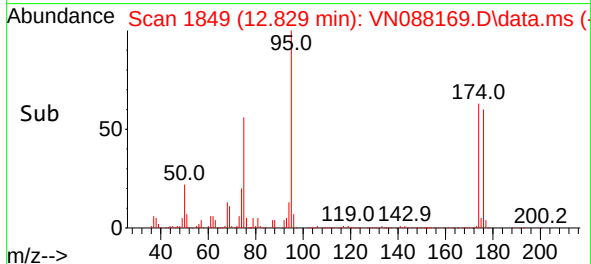
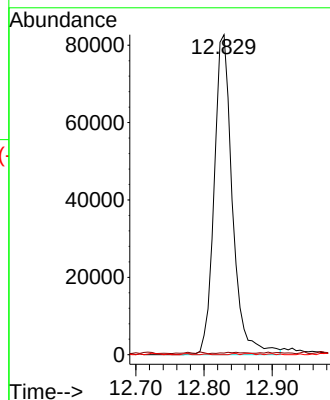
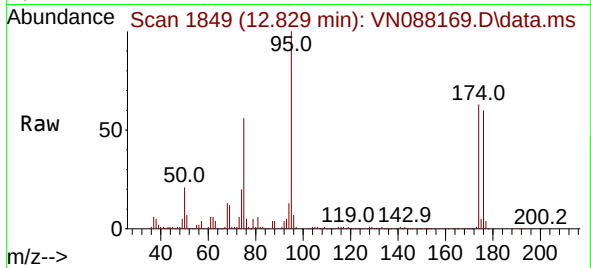




#81
trans-1,4-Dichloro-2-butene
Concen: 75.882 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088169.D
Acq: 29 Oct 2025 18:13

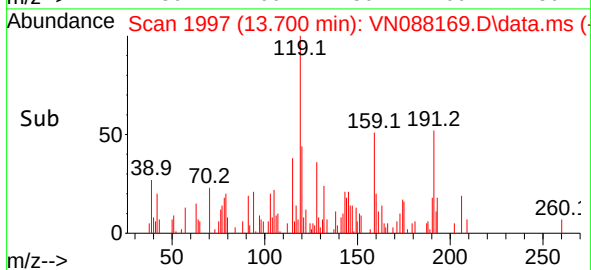
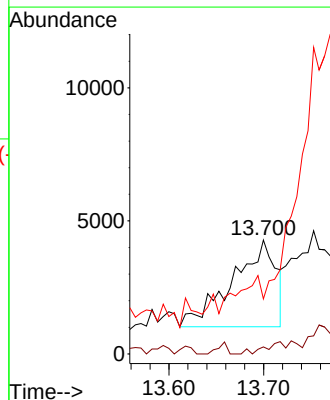
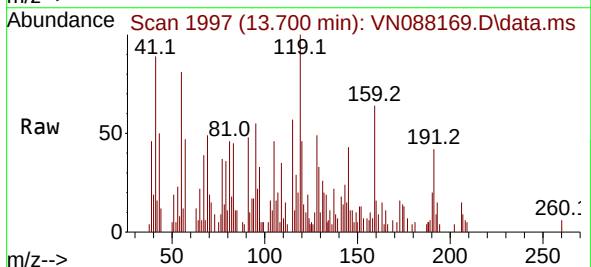
Instrument :
MSVOA_N
ClientSampleId :
IBLK

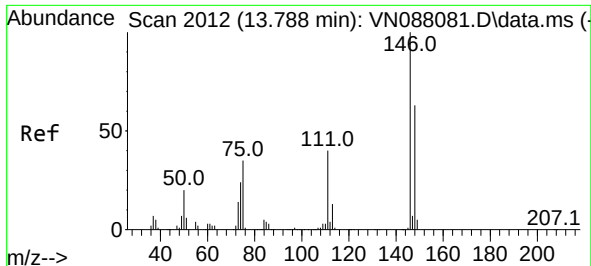
Tgt Ion: 75 Resp: 154317
Ion Ratio Lower Upper
75 100
53 0.3 101.8 152.6#
89 0.1 35.6 53.4#



#86
p-Isopropyltoluene
Concen: 0.621 ug/l
RT: 13.700 min Scan# 1997
Delta R.T. -0.006 min
Lab File: VN088169.D
Acq: 29 Oct 2025 18:13

Tgt Ion: 119 Resp: 10393
Ion Ratio Lower Upper
119 100
134 0.0 12.7 38.0#
91 23.5 12.5 37.5

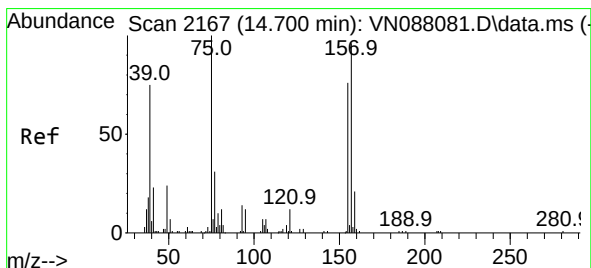
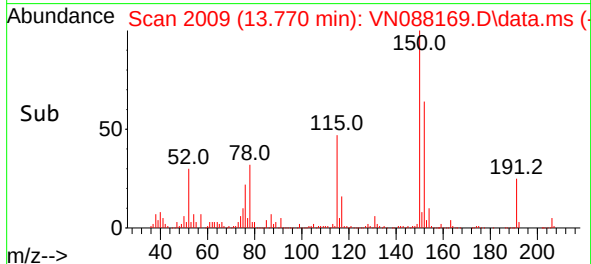
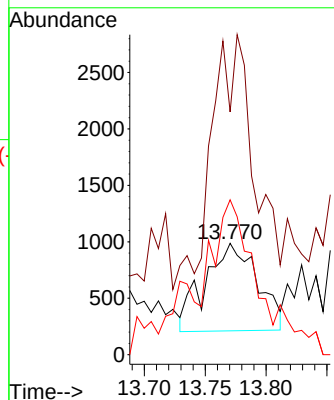
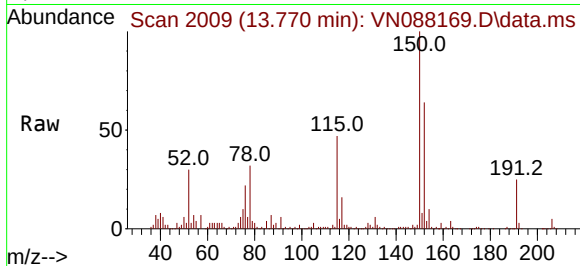




#88
 1,4-Dichlorobenzene
 Concen: 0.263 ug/l
 RT: 13.770 min Scan# 2012
 Delta R.T. -0.018 min
 Lab File: VN088169.D
 Acq: 29 Oct 2025 18:13

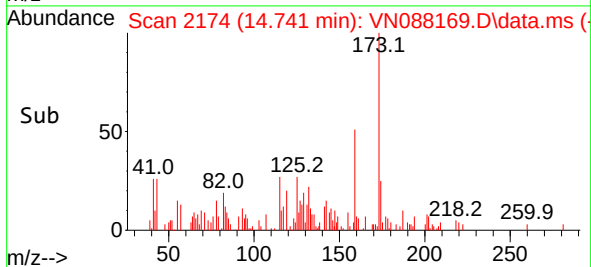
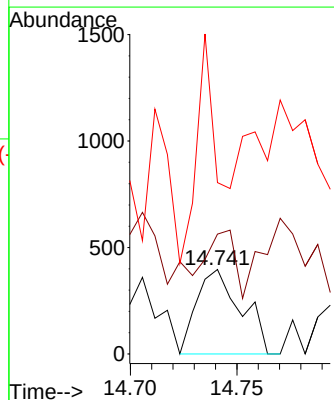
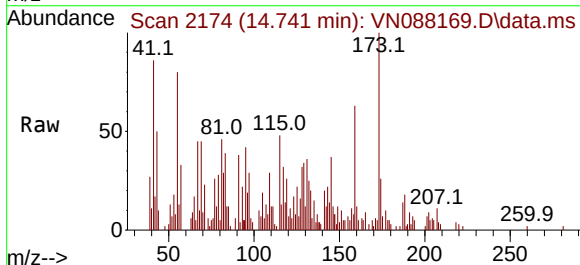
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

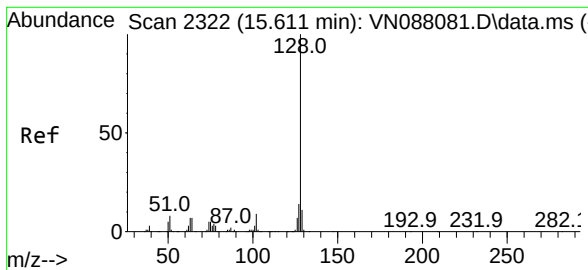
Tgt Ion:146 Resp: 2327
 Ion Ratio Lower Upper
 146 100
 111 90.3 21.0 63.0#
 148 154.8 32.0 96.0#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.414 ug/l
 RT: 14.741 min Scan# 2174
 Delta R.T. 0.041 min
 Lab File: VN088169.D
 Acq: 29 Oct 2025 18:13

Tgt Ion: 75 Resp: 574
 Ion Ratio Lower Upper
 75 100
 155 49.7 36.6 109.9
 157 128.7 45.6 136.9





#95
Naphthalene
Concen: 0.214 ug/l
RT: 15.623 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN088169.D
Acq: 29 Oct 2025 18:13

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:128 Resp: 3531
Ion Ratio Lower Upper
128 100
127 7.5 10.6 15.8#
129 16.3 8.6 12.8#

