

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111825\
 Data File : VN088313.D
 Acq On : 18 Nov 2025 13:06
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Nov 19 03:33:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

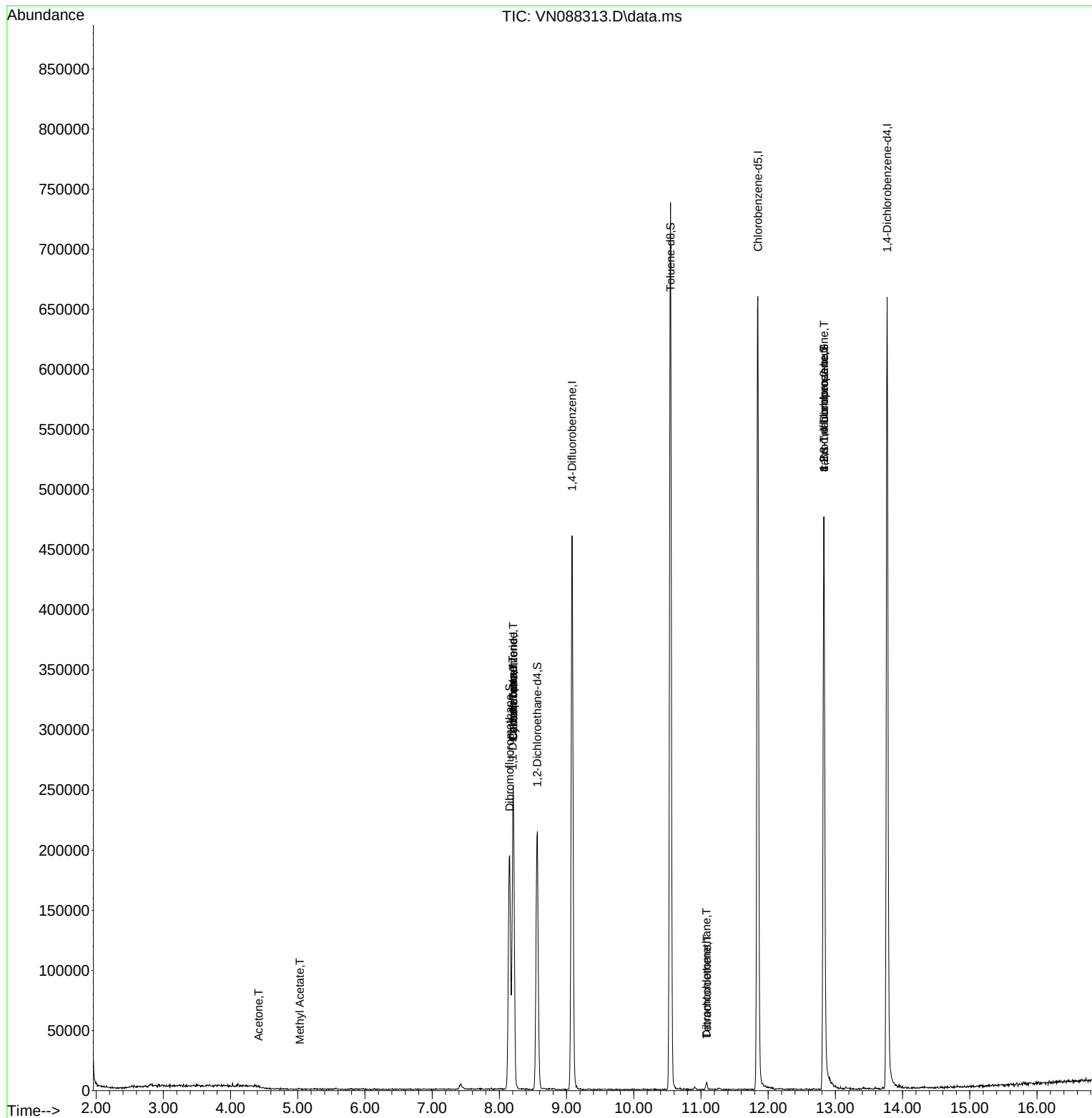
Internal Standards						
1) Pentafluorobenzene	8.206	168	166653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	373470	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	366981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	177019	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	178673	62.001	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 124.000%			
35) Dibromofluoromethane	8.153	113	139586	55.634	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.260%			
50) Toluene-d8	10.547	98	493833	51.081	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.160%			
62) 4-Bromofluorobenzene	12.829	95	181427	53.139	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.280%			
Target Compounds						Qvalue
16) Acetone	4.418	43	532	0.367	ug/l #	47
18) Methyl Acetate	5.030	43	794	0.268	ug/l #	54
31) Cyclohexane	8.206	56	4390	1.088	ug/l #	1
36) 1,1-Dichloropropene	8.200	75	16038	4.378	ug/l #	53
38) Carbon Tetrachloride	8.206	117	19700	5.207	ug/l #	15
60) Dibromochloromethane	11.082	129	1391	0.469	ug/l #	10
64) Tetrachloroethene	11.088	164	1190	0.492	ug/l #	81
76) 1,2,3-Trichloropropane	12.829	75	100798	24.906	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	100798	69.475	ug/l #	1

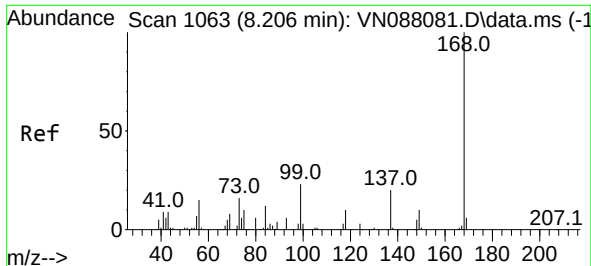
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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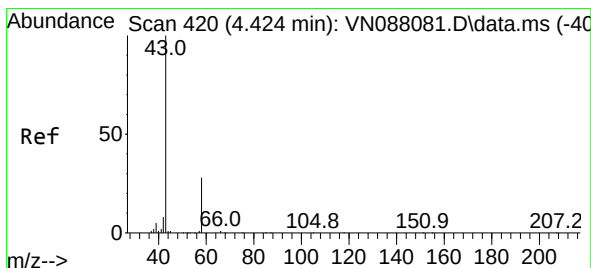
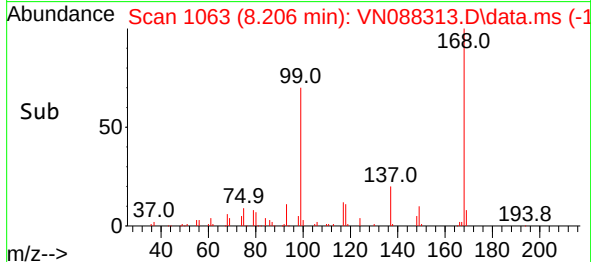
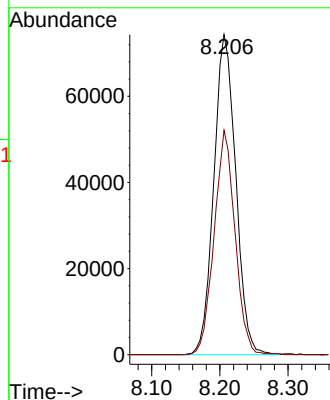
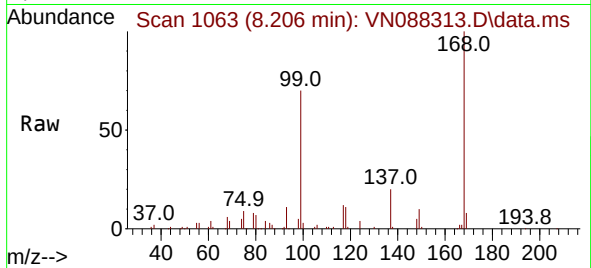




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088313.D
Acq: 18 Nov 2025 13:06

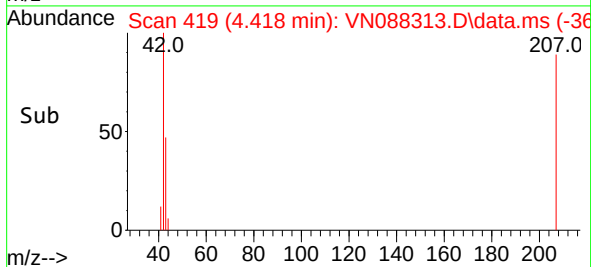
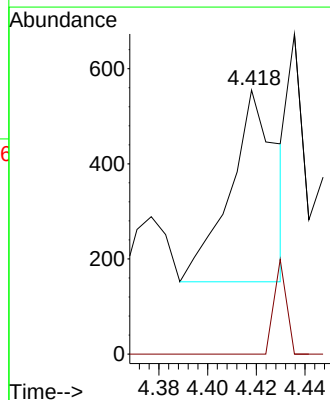
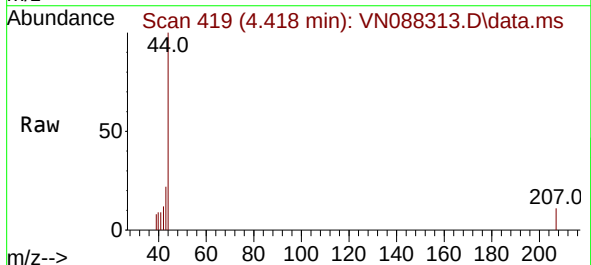
Instrument :
MSVOA_N
ClientSampleId :
IBLK

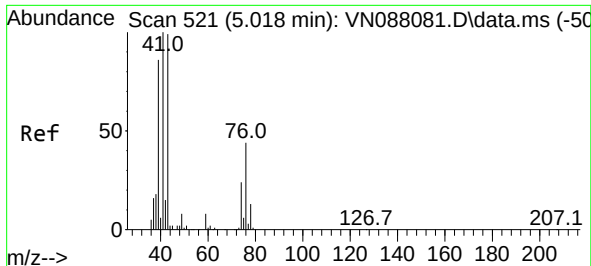
Tgt Ion:168 Resp: 166653
Ion Ratio Lower Upper
168 100
99 70.1 57.2 85.8



#16
Acetone
Concen: 0.367 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN088313.D
Acq: 18 Nov 2025 13:06

Tgt Ion: 43 Resp: 532
Ion Ratio Lower Upper
43 100
58 0.0 22.6 33.8#

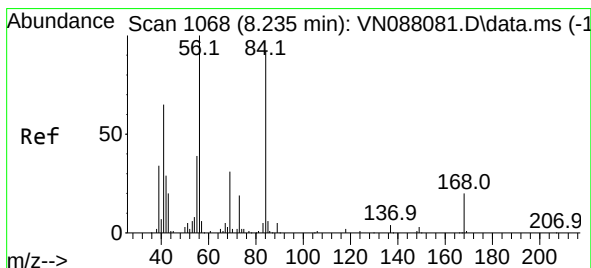
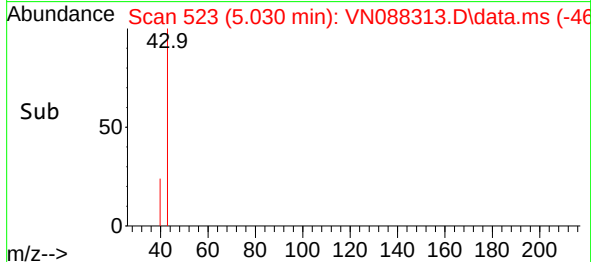
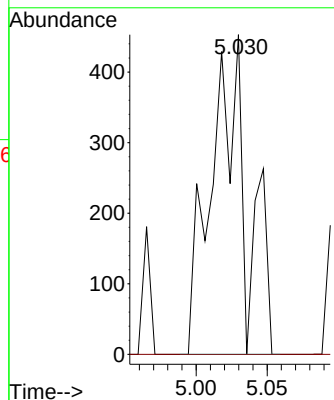
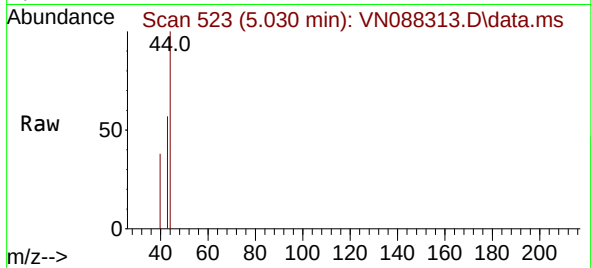




#18
Methyl Acetate
Concen: 0.268 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN088313.D
Acq: 18 Nov 2025 13:06

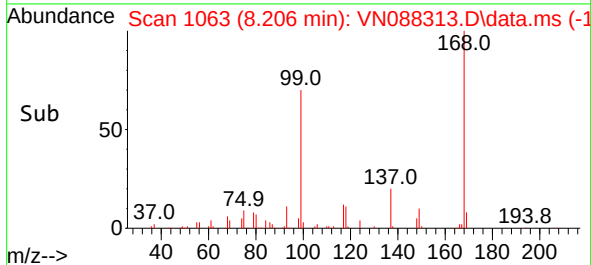
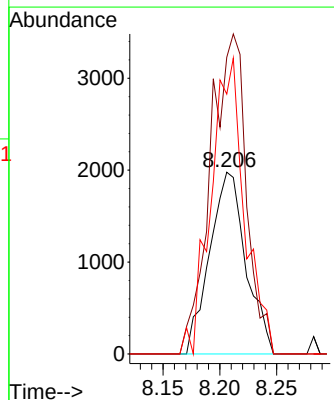
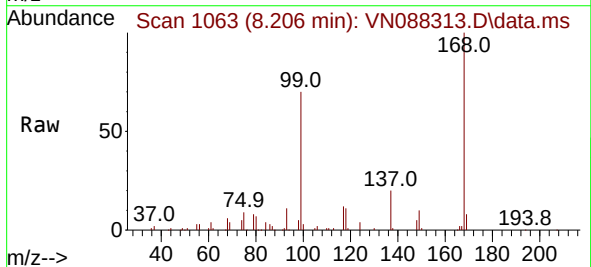
Instrument :
MSVOA_N
ClientSampleId :
IBLK

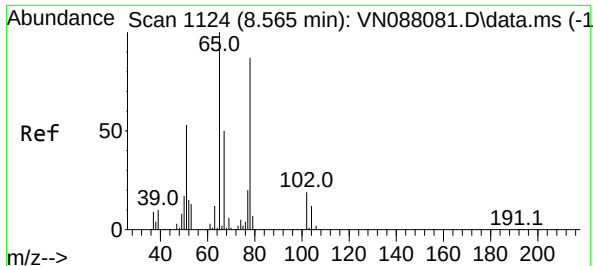
Tgt Ion: 43 Resp: 794
Ion Ratio Lower Upper
43 100
74 0.0 17.6 26.4#



#31
Cyclohexane
Concen: 1.088 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.030 min
Lab File: VN088313.D
Acq: 18 Nov 2025 13:06

Tgt Ion: 56 Resp: 4390
Ion Ratio Lower Upper
56 100
69 163.2 23.7 35.5#
84 143.0 64.7 97.1#





#33

1,2-Dichloroethane-d4

Concen: 62.001 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN088313.D

Acq: 18 Nov 2025 13:06

Instrument :

MSVOA_N

ClientSampleId :

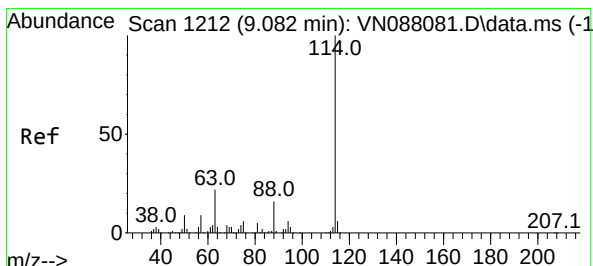
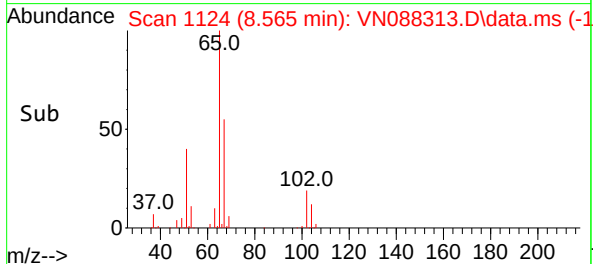
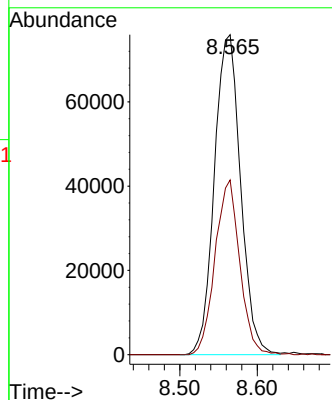
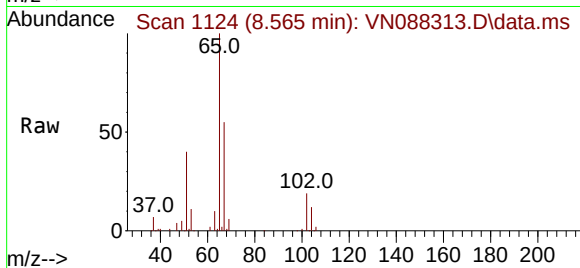
IBLK

Tgt Ion: 65 Resp: 178673

Ion Ratio Lower Upper

65 100

67 51.5 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: VN088313.D

Acq: 18 Nov 2025 13:06

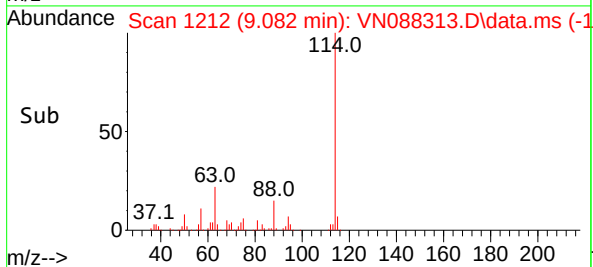
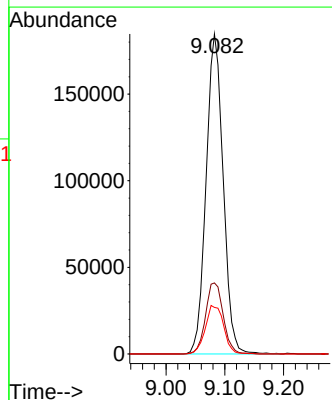
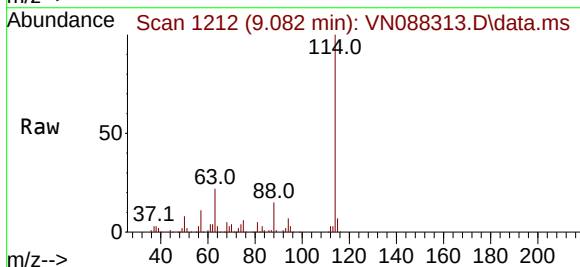
Tgt Ion: 114 Resp: 373470

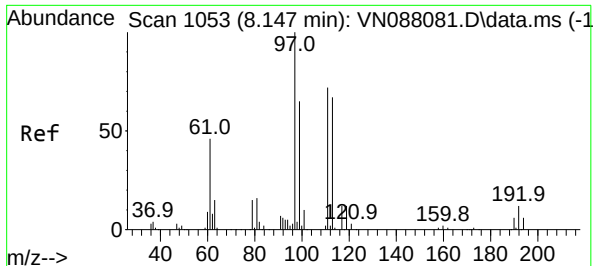
Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.2

88 14.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 55.634 ug/l

RT: 8.153 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VN088313.D

Acq: 18 Nov 2025 13:06

Instrument :

MSVOA_N

ClientSampleId :

IBLK

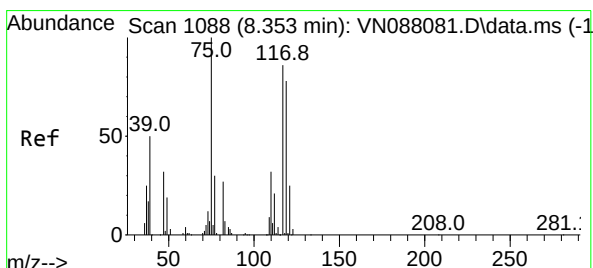
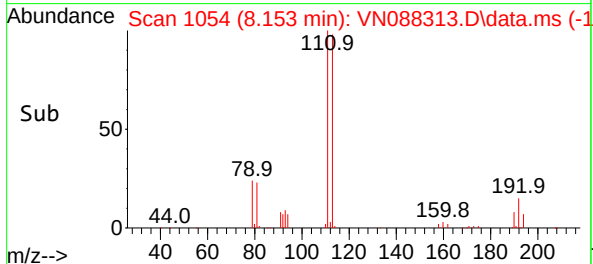
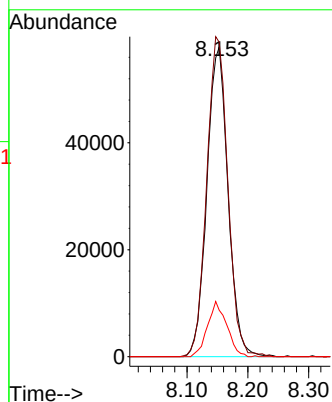
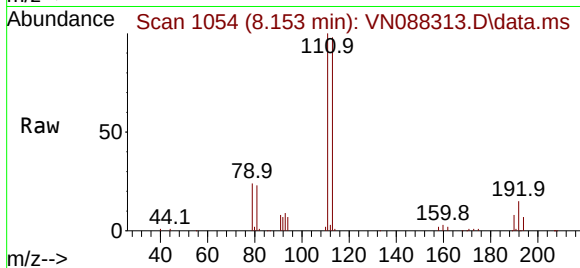
Tgt Ion:113 Resp: 139586

Ion Ratio Lower Upper

113 100

111 103.3 82.8 124.2

192 16.3 12.8 19.2



#36

1,1-Dichloropropene

Concen: 4.378 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN088313.D

Acq: 18 Nov 2025 13:06

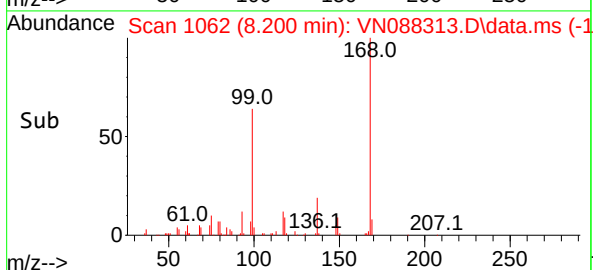
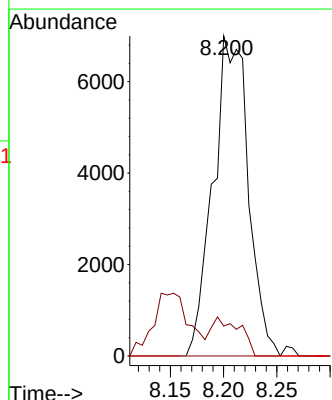
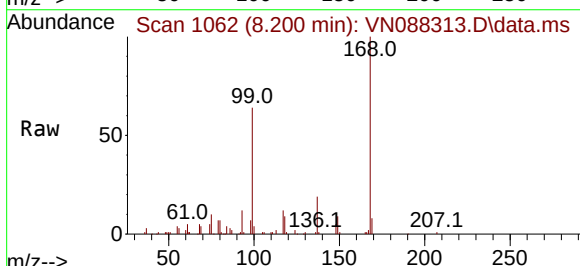
Tgt Ion: 75 Resp: 16038

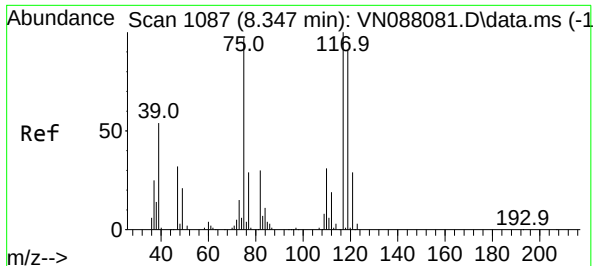
Ion Ratio Lower Upper

75 100

110 9.8 15.9 47.6#

77 0.0 24.4 36.6#

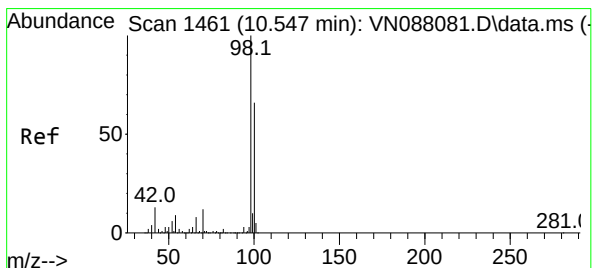
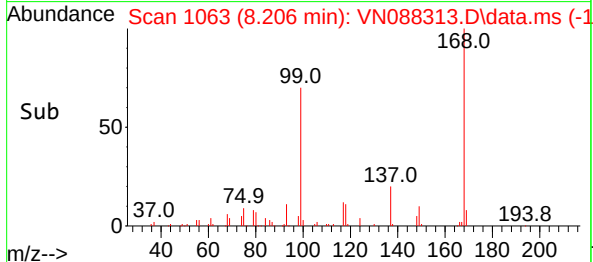
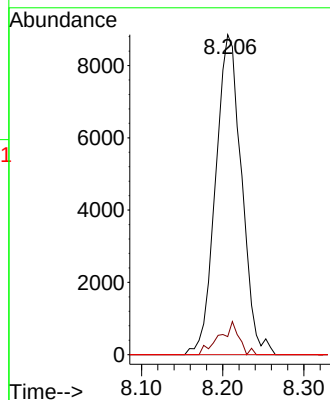
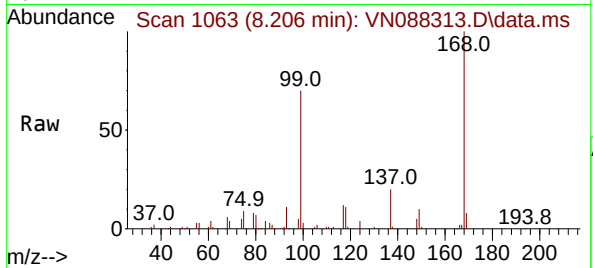




#38
Carbon Tetrachloride
Concen: 5.207 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN088313.D
Acq: 18 Nov 2025 13:06

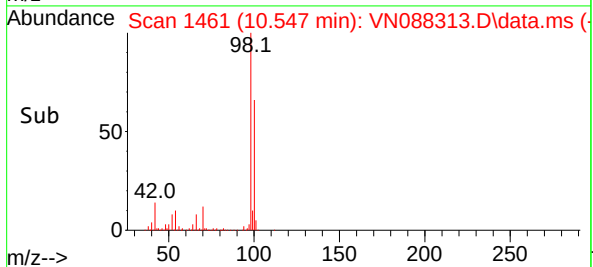
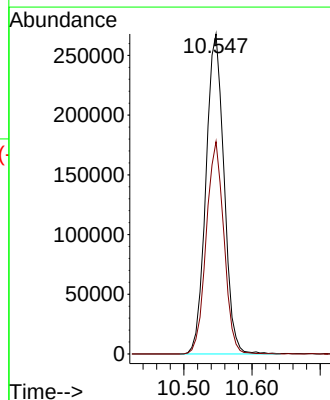
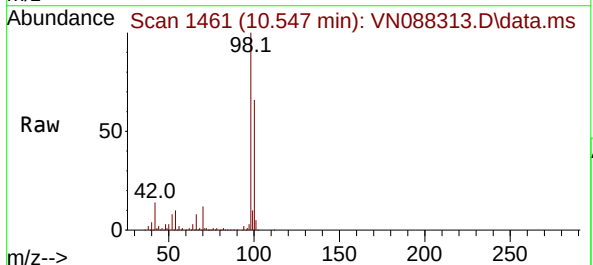
Instrument :
MSVOA_N
ClientSampleId :
IBLK

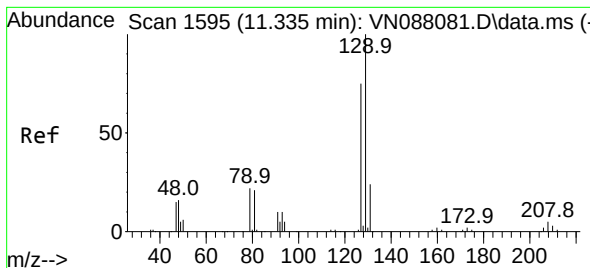
Tgt Ion:117 Resp: 19700
Ion Ratio Lower Upper
117 100
119 5.6 79.0 118.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 51.081 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088313.D
Acq: 18 Nov 2025 13:06

Tgt Ion: 98 Resp: 493833
Ion Ratio Lower Upper
98 100
100 64.9 52.8 79.2

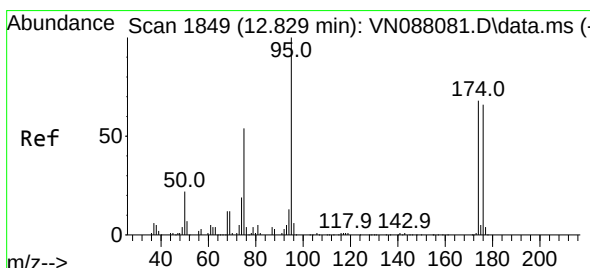
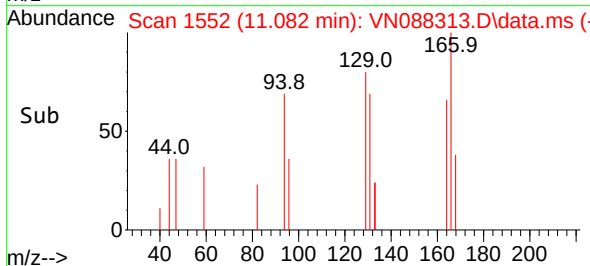
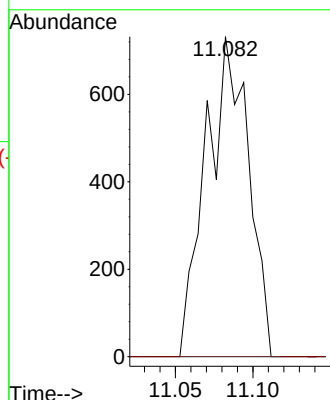
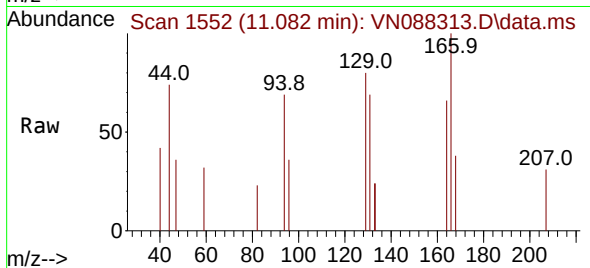




#60
Dibromochloromethane
Concen: 0.469 ug/l
RT: 11.082 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN088313.D
Acq: 18 Nov 2025 13:06

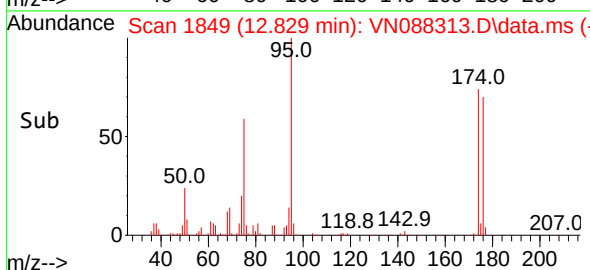
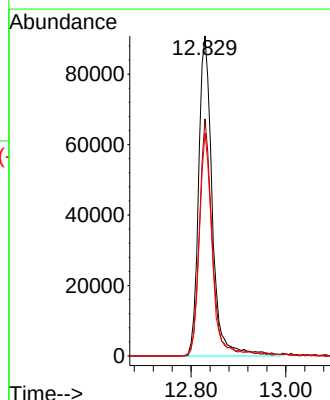
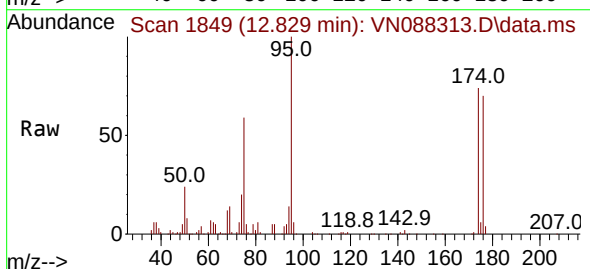
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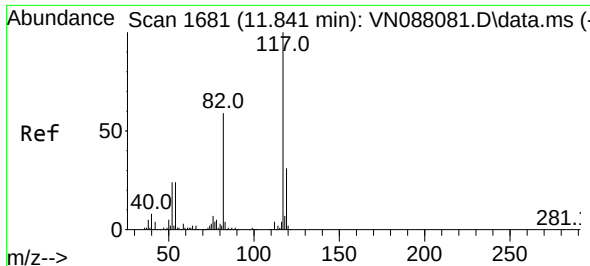
Tgt Ion:129 Resp: 1391
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.3#



#62
4-Bromofluorobenzene
Concen: 53.139 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088313.D
Acq: 18 Nov 2025 13:06

Tgt Ion: 95 Resp: 181427
Ion Ratio Lower Upper
95 100
174 68.3 0.0 138.4
176 64.9 0.0 132.6

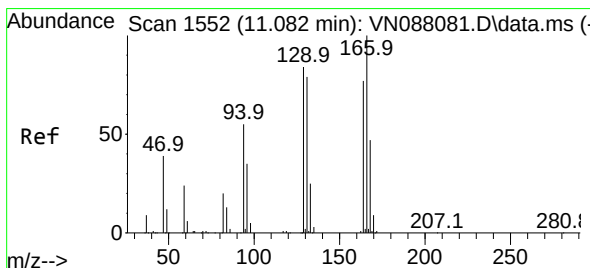
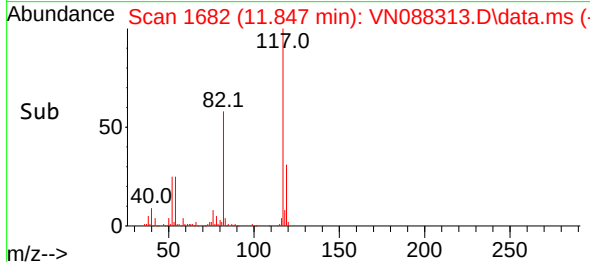
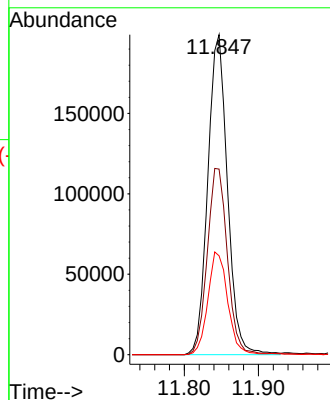
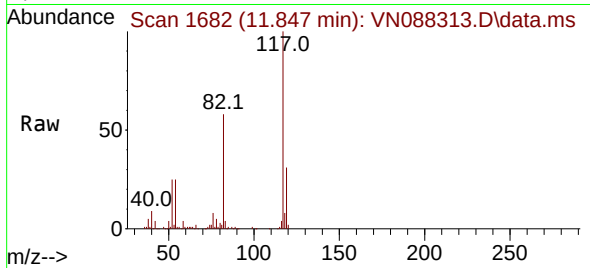




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088313.D
Acq: 18 Nov 2025 13:06

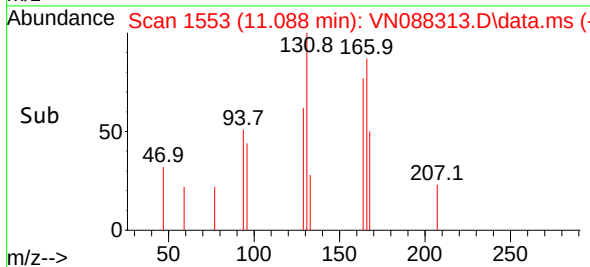
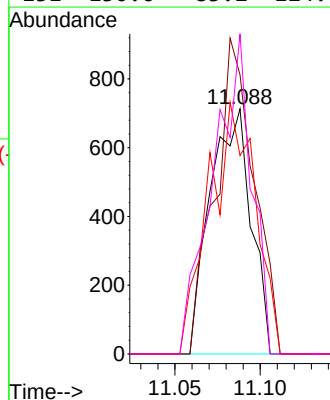
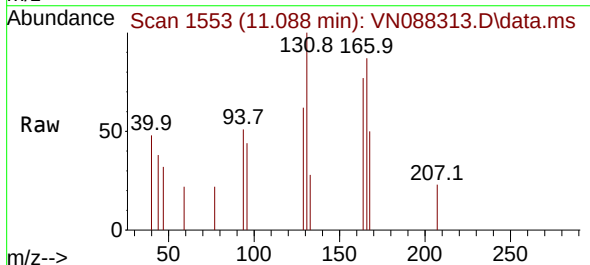
Instrument :
MSVOA_N
ClientSampleId :
IBLK

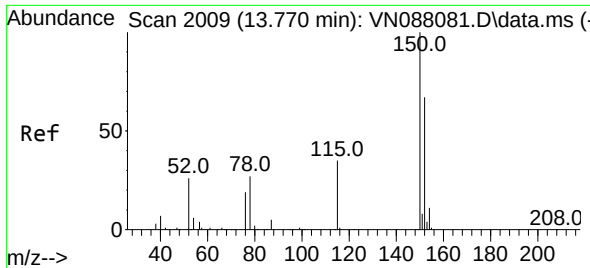
Tgt Ion:117 Resp: 366981
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 30.9 24.3 36.5



#64
Tetrachloroethene
Concen: 0.492 ug/l
RT: 11.088 min Scan# 1553
Delta R.T. 0.006 min
Lab File: VN088313.D
Acq: 18 Nov 2025 13:06

Tgt Ion:164 Resp: 1190
Ion Ratio Lower Upper
164 100
166 113.9 97.7 146.5
129 80.9 85.9 128.9#
131 130.6 83.2 124.8#

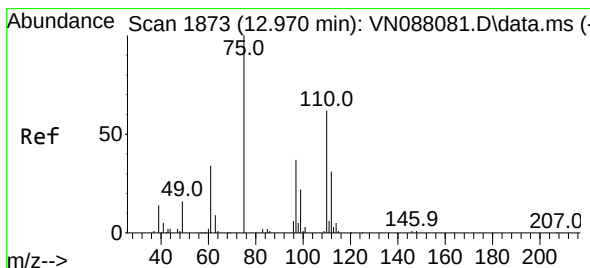
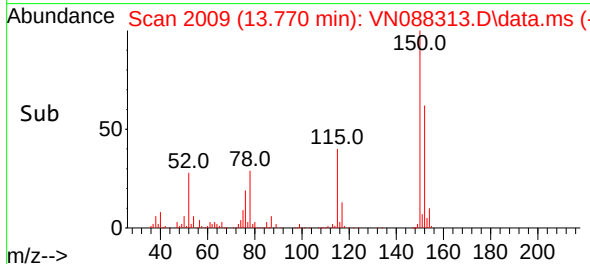
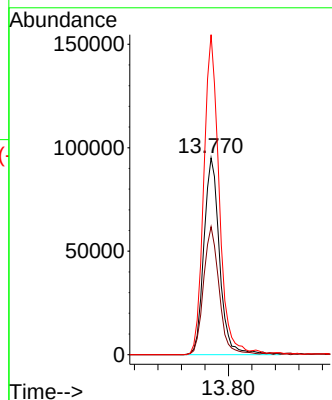
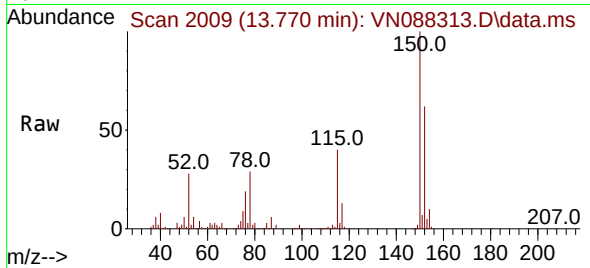




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.006 min
 Lab File: VN088313.D
 Acq: 18 Nov 2025 13:06

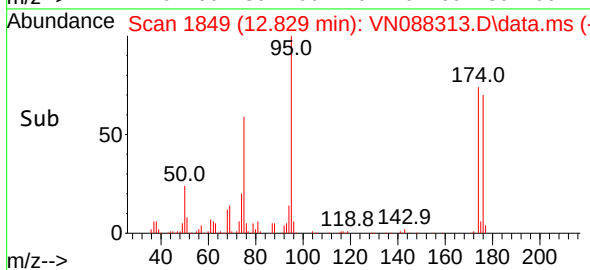
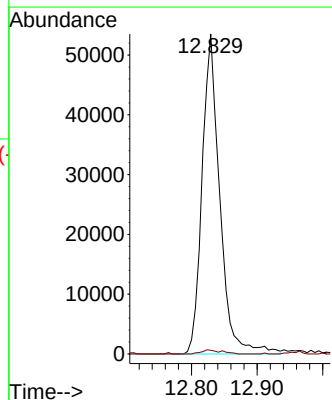
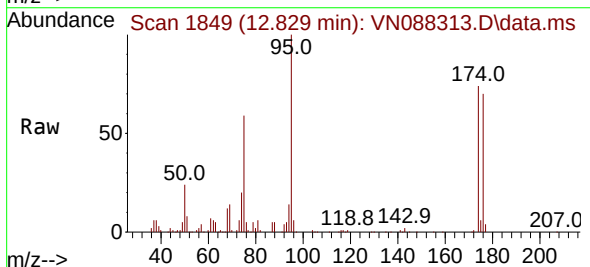
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

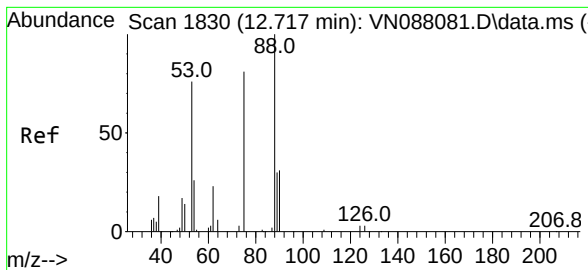
Tgt Ion:152 Resp: 177019
 Ion Ratio Lower Upper
 152 100
 115 64.4 32.3 96.8
 150 158.8 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 24.906 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN088313.D
 Acq: 18 Nov 2025 13:06

Tgt Ion: 75 Resp: 100798
 Ion Ratio Lower Upper
 75 100
 77 1.4 89.1 267.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.475 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN088313.D
 Acq: 18 Nov 2025 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion: 75 Resp: 100798
 Ion Ratio Lower Upper
 75 100
 53 0.1 101.8 152.6#
 89 0.0 35.6 53.4#

