

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093025\
 Data File : VN087995.D
 Acq On : 30 Sep 2025 12:10
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Oct 01 04:41:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

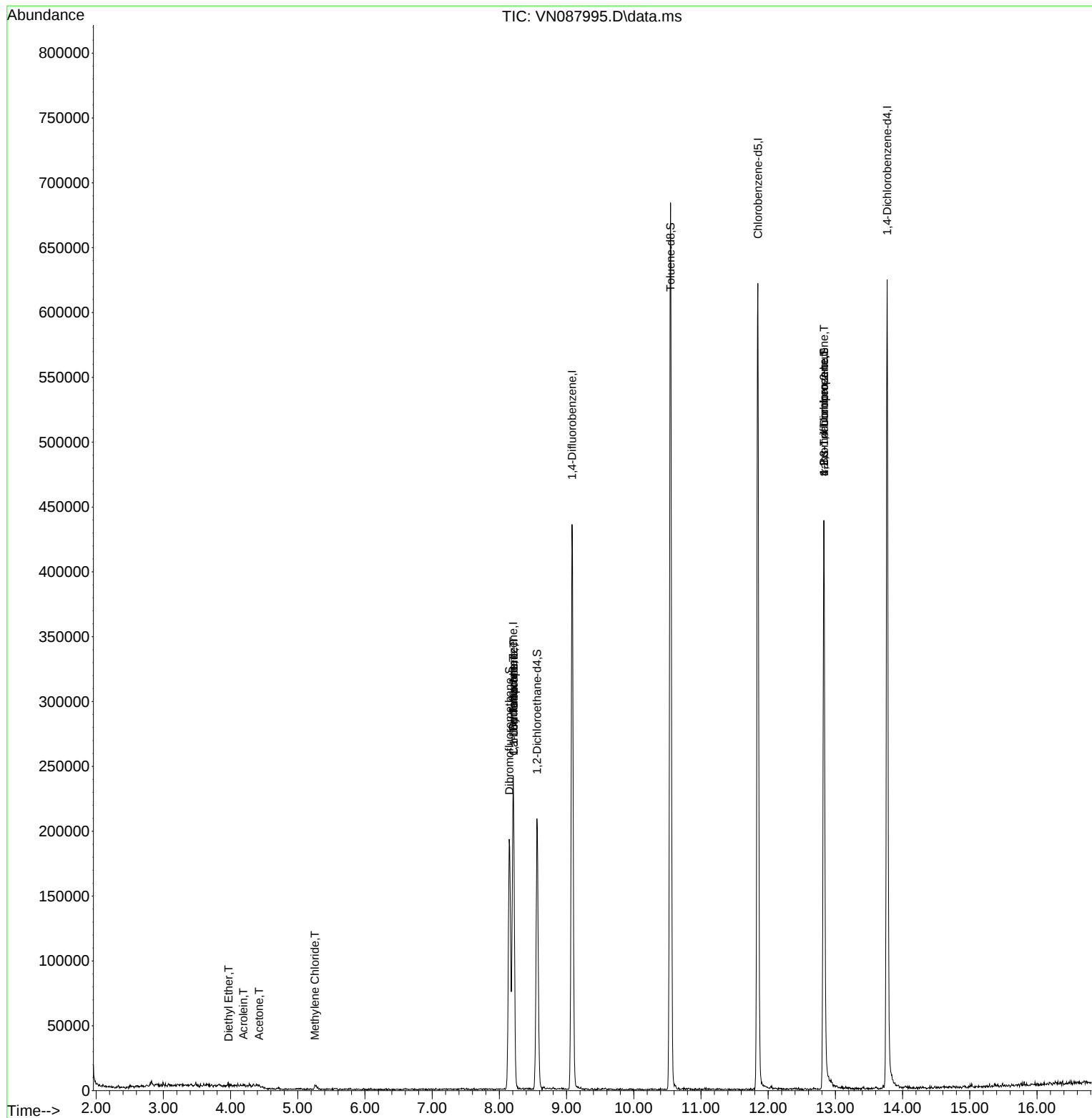
Internal Standards						
1) Pentafluorobenzene	8.206	168	164627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	365791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	354797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	169934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	162501	58.653	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 117.300%		
35) Dibromofluoromethane	8.147	113	136814	51.514	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.020%		
50) Toluene-d8	10.547	98	469087	50.226	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 100.460%		
62) 4-Bromofluorobenzene	12.829	95	161878	48.490	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 96.980%		
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.971	74	332	0.271	ug/l #	4
13) Acrolein	4.189	56	176	0.344	ug/l	94
16) Acetone	4.424	43	1240	1.088	ug/l	95
20) Methylene Chloride	5.253	84	2280	0.988	ug/l #	45
31) Cyclohexane	8.206	56	4572	1.472	ug/l #	22
36) 1,1-Dichloropropene	8.212	75	14691	4.600	ug/l #	51
38) Carbon Tetrachloride	8.212	117	18830	5.138	ug/l #	20
76) 1,2,3-Trichloropropane	12.829	75	86948	25.956	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	86948	72.077	ug/l #	9

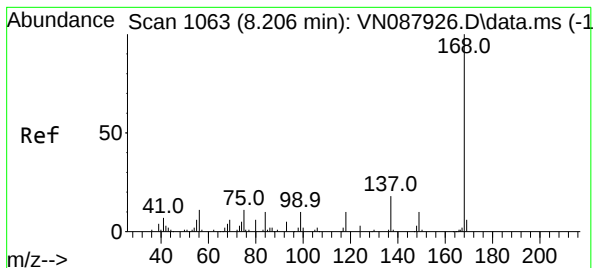
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 24 05:05:30 2025
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.206 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087995.D

Acq: 30 Sep 2025 12:10

Instrument :

MSVOA_N

ClientSampleId :

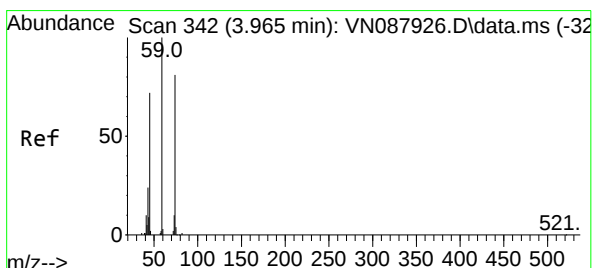
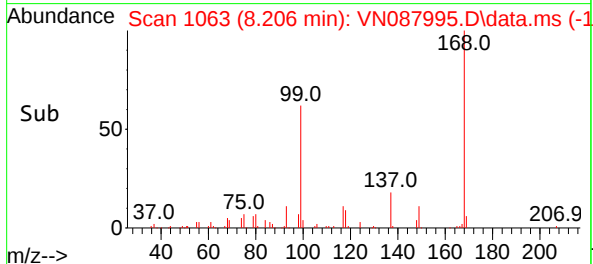
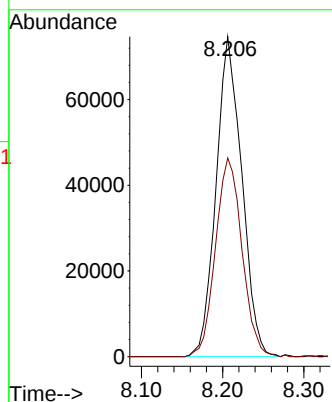
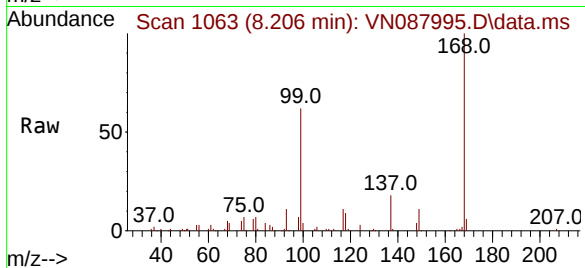
IBLK

Tgt Ion:168 Resp: 164627

Ion Ratio Lower Upper

168 100

99 62.1 52.2 78.2



#8

Diethyl Ether

Concen: 0.271 ug/l

RT: 3.971 min Scan# 343

Delta R.T. 0.006 min

Lab File: VN087995.D

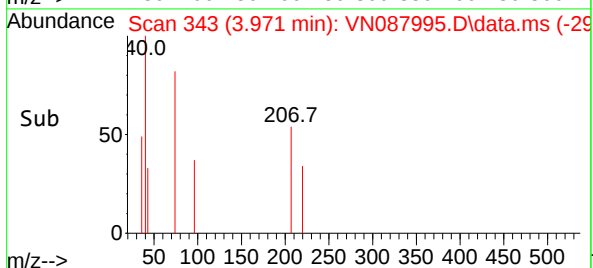
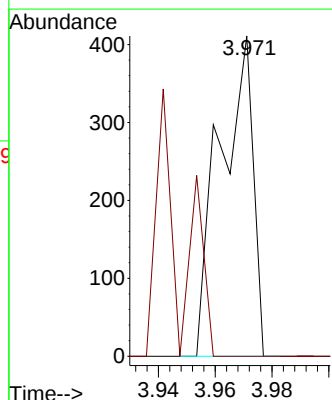
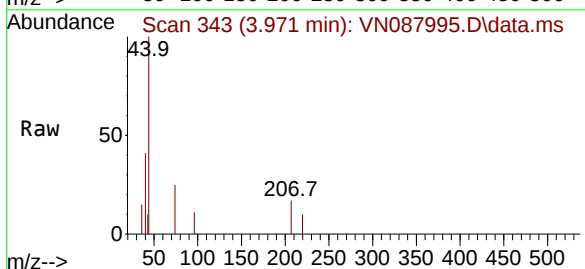
Acq: 30 Sep 2025 12:10

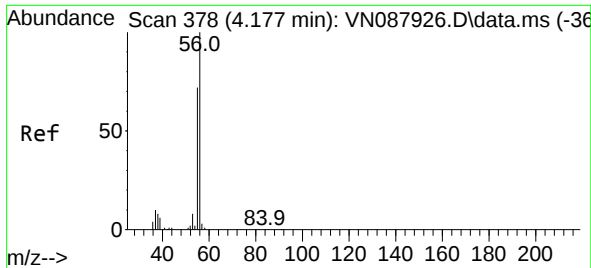
Tgt Ion: 74 Resp: 332

Ion Ratio Lower Upper

74 100

45 0.0 45.4 136.1#





#13

Acrolein

Concen: 0.344 ug/l

RT: 4.189 min Scan# 378

Delta R.T. 0.012 min

Lab File: VN087995.D

Acq: 30 Sep 2025 12:10

Instrument :

MSVOA_N

ClientSampleId :

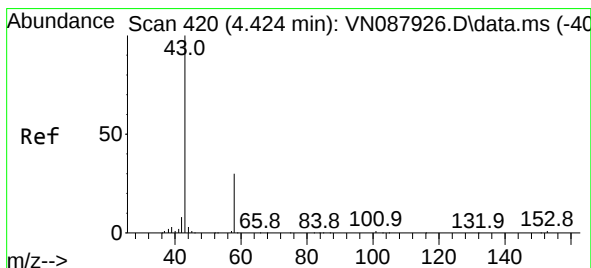
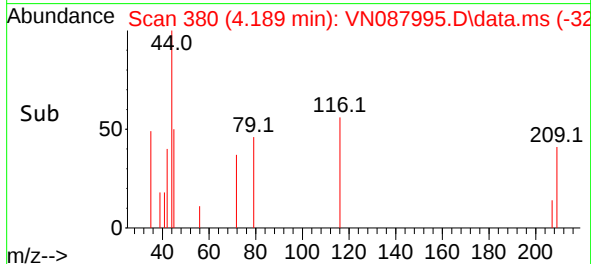
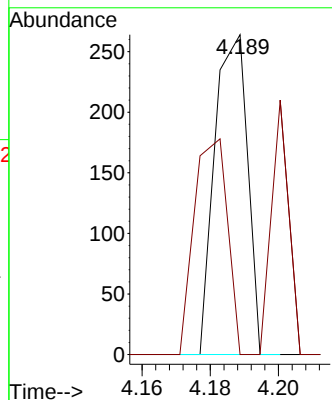
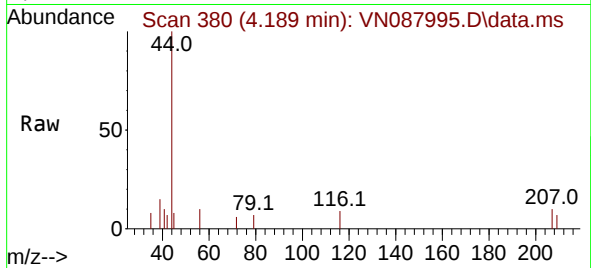
IBLK

Tgt Ion: 56 Resp: 176

Ion Ratio Lower Upper

56 100

55 68.8 59.3 88.9



#16

Acetone

Concen: 1.088 ug/l

RT: 4.424 min Scan# 420

Delta R.T. 0.000 min

Lab File: VN087995.D

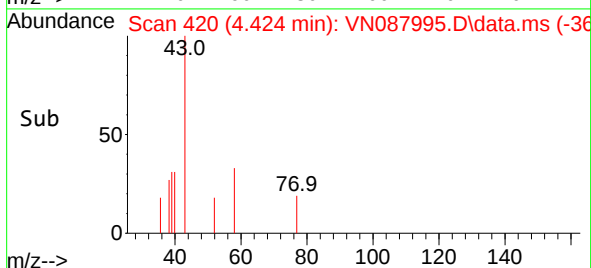
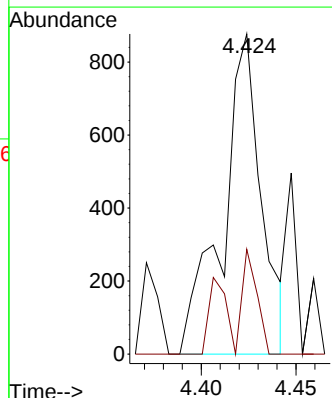
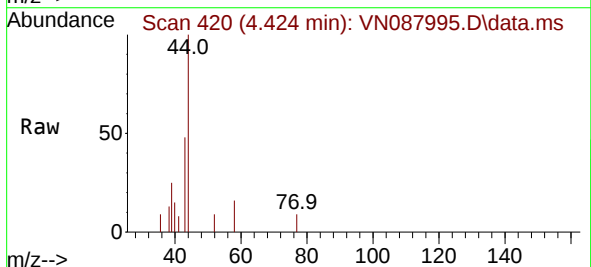
Acq: 30 Sep 2025 12:10

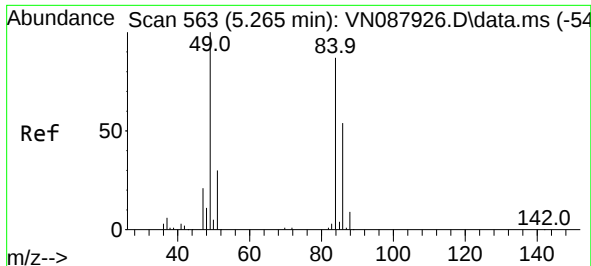
Tgt Ion: 43 Resp: 1240

Ion Ratio Lower Upper

43 100

58 32.7 24.1 36.1

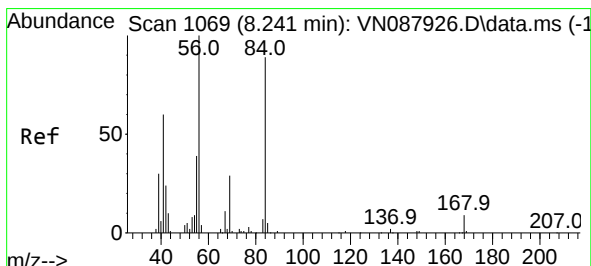
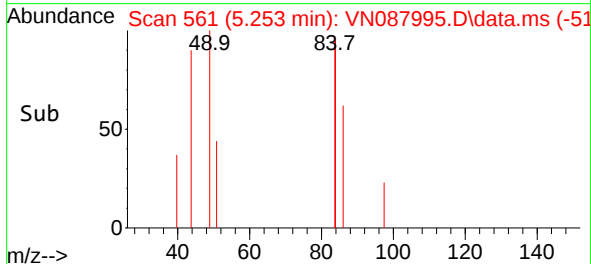
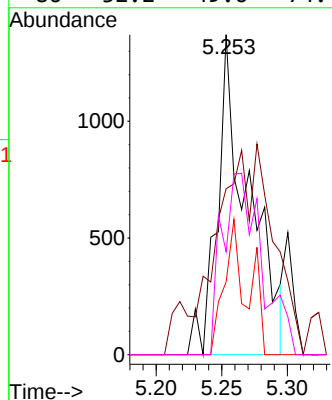
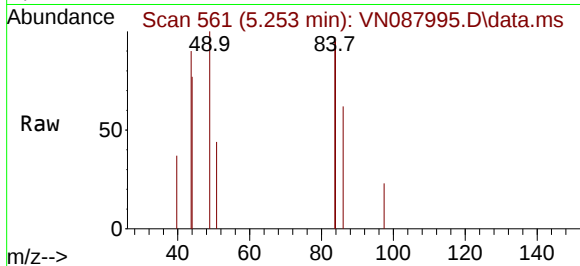




#20
Methylene Chloride
Concen: 0.988 ug/l
RT: 5.253 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN087995.D
Acq: 30 Sep 2025 12:10

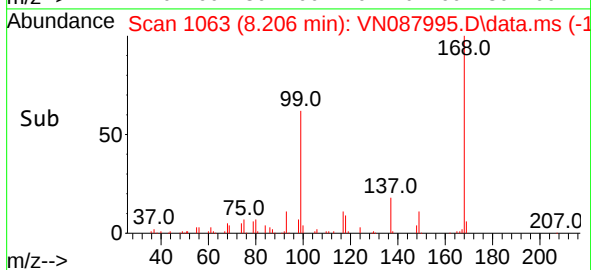
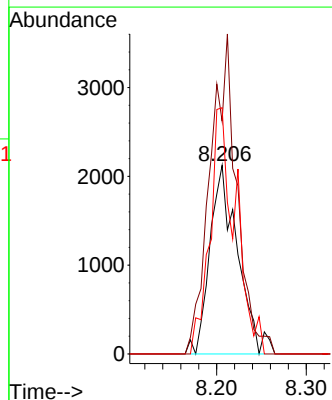
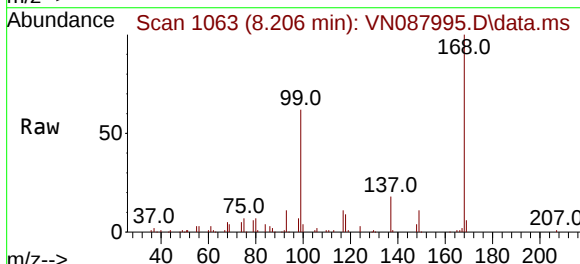
Instrument :
MSVOA_N
ClientSampleId :
IBLK

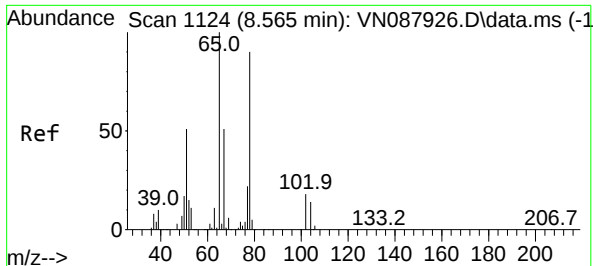
Tgt Ion:	84	Resp:	2280
Ion	Ratio	Lower	Upper
84	100		
49	35.2	92.1	138.1#
51	22.8	27.7	41.5#
86	32.2	49.6	74.4#



#31
Cyclohexane
Concen: 1.472 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.035 min
Lab File: VN087995.D
Acq: 30 Sep 2025 12:10

Tgt Ion:	56	Resp:	4572
Ion	Ratio	Lower	Upper
56	100		
69	123.4	23.4	35.0#
84	130.6	70.8	106.2#





#33

1,2-Dichloroethane-d4

Concen: 58.653 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.006 min

Lab File: VN087995.D

Acq: 30 Sep 2025 12:10

Instrument :

MSVOA_N

ClientSampleId :

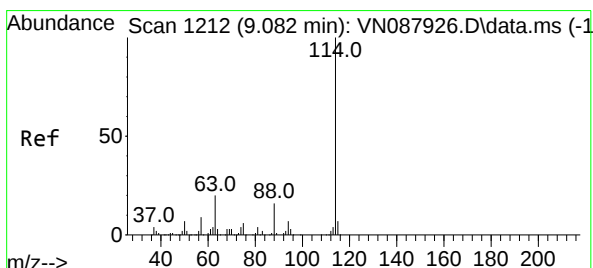
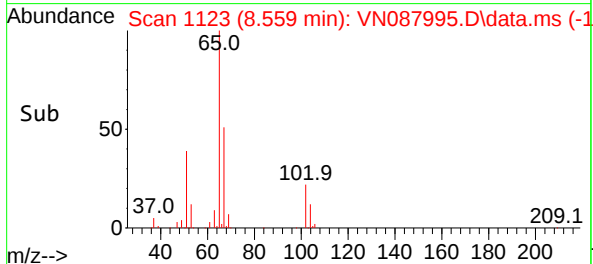
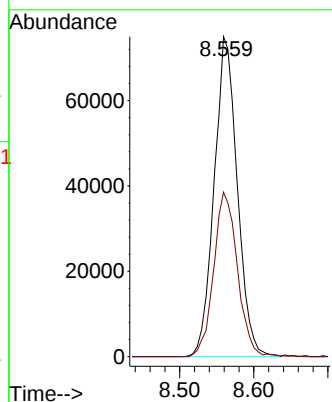
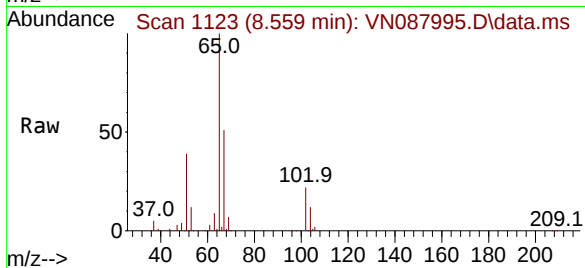
IBLK

Tgt Ion: 65 Resp: 162501

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087995.D

Acq: 30 Sep 2025 12:10

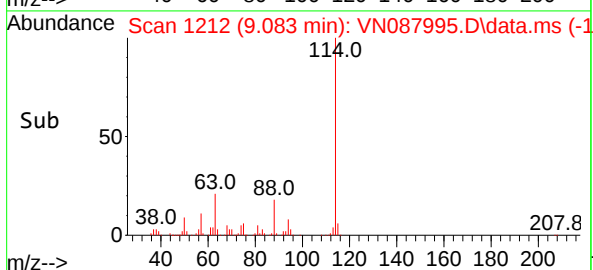
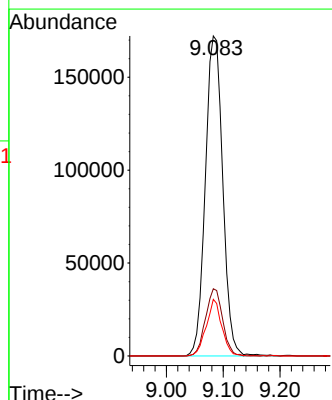
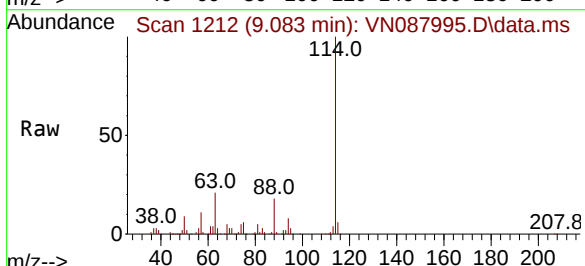
Tgt Ion: 114 Resp: 365791

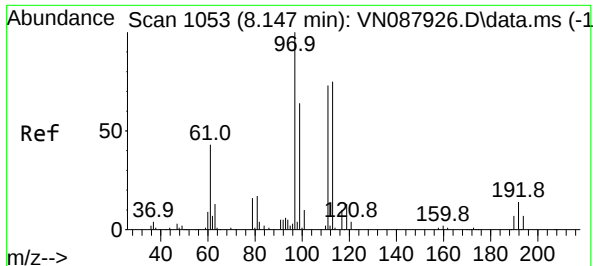
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.0

88 17.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.514 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VN087995.D

Acq: 30 Sep 2025 12:10

Instrument :

MSVOA_N

ClientSampleId :

IBLK

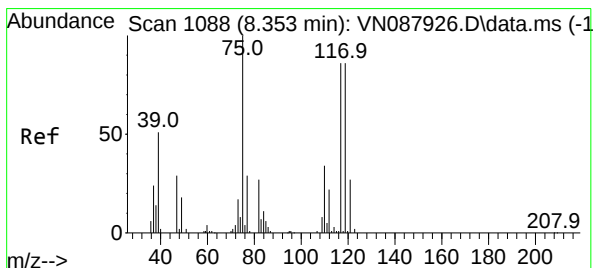
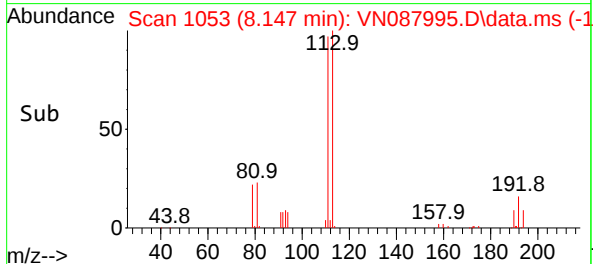
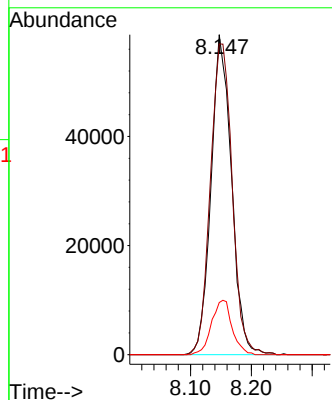
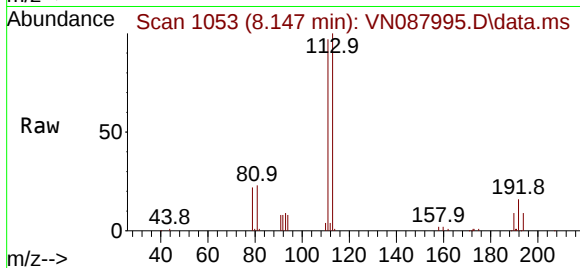
Tgt Ion:113 Resp: 136814

Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.2

192 17.1 14.2 21.2



#36

1,1-Dichloropropene

Concen: 4.600 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

Lab File: VN087995.D

Acq: 30 Sep 2025 12:10

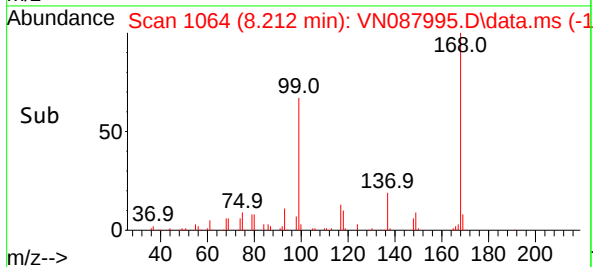
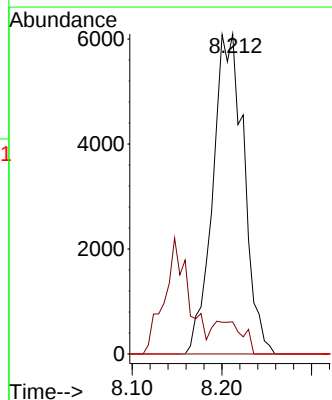
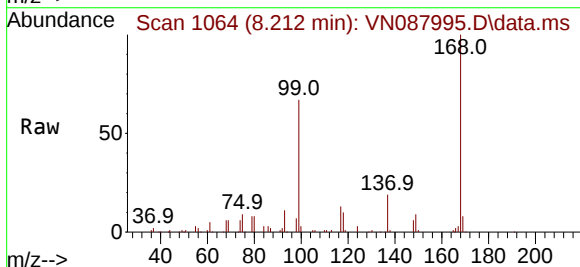
Tgt Ion: 75 Resp: 14691

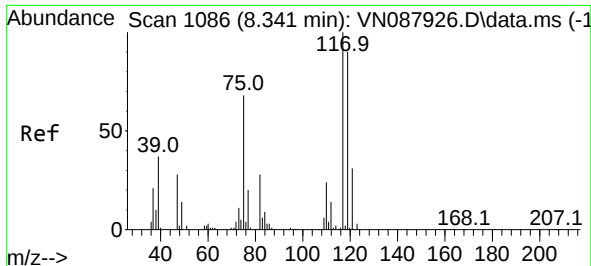
Ion Ratio Lower Upper

75 100

110 10.0 17.1 51.3#

77 0.0 24.8 37.2#

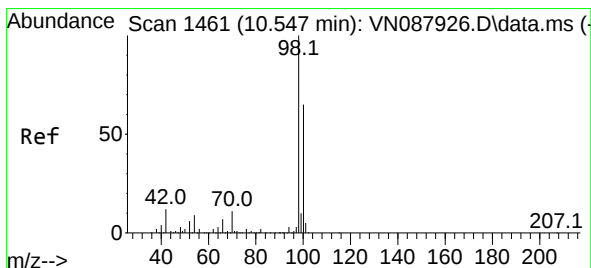
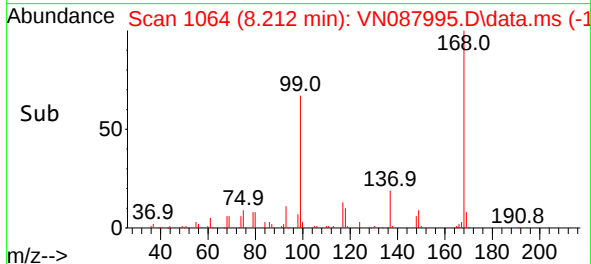
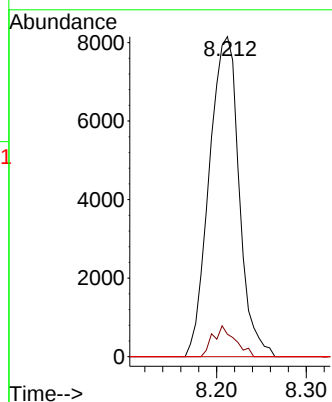
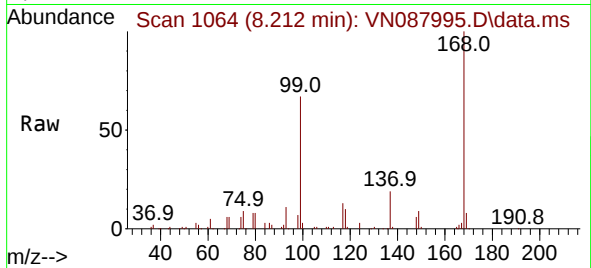




#38
Carbon Tetrachloride
Concen: 5.138 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.129 min
Lab File: VN087995.D
Acq: 30 Sep 2025 12:10

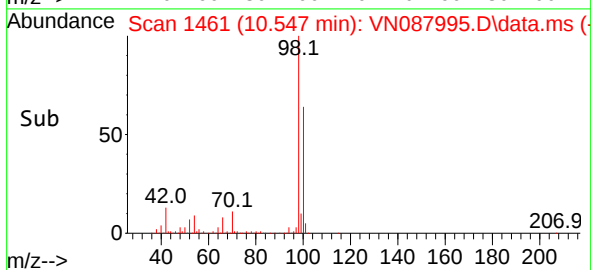
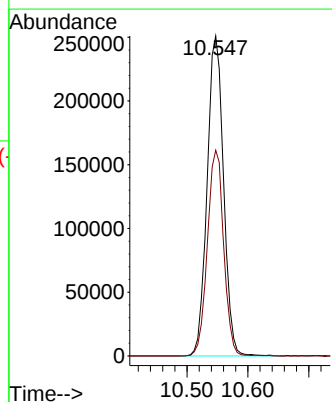
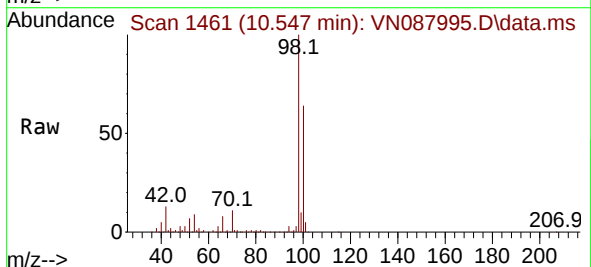
Instrument :
MSVOA_N
ClientSampleId :
IBLK

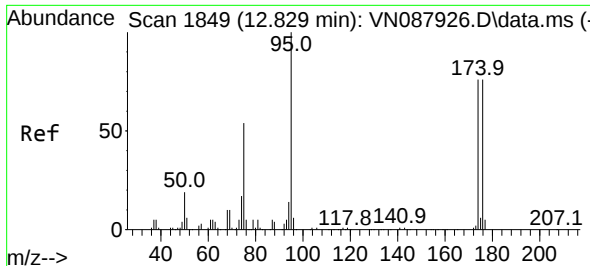
Tgt Ion:117 Resp: 18830
Ion Ratio Lower Upper
117 100
119 7.0 72.1 108.1#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 50.226 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087995.D
Acq: 30 Sep 2025 12:10

Tgt Ion: 98 Resp: 469087
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5

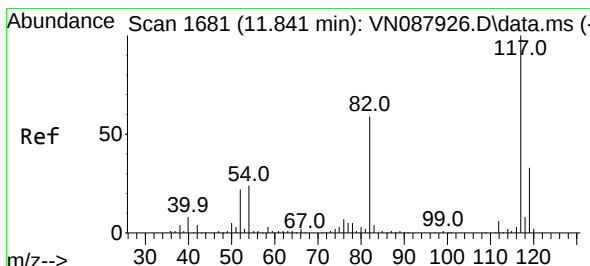
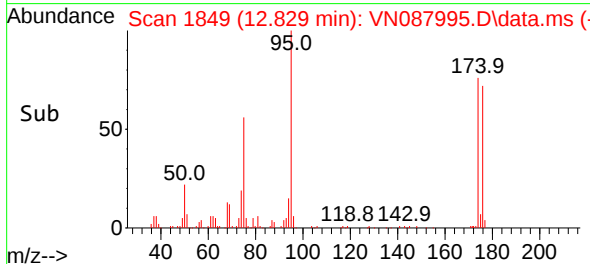
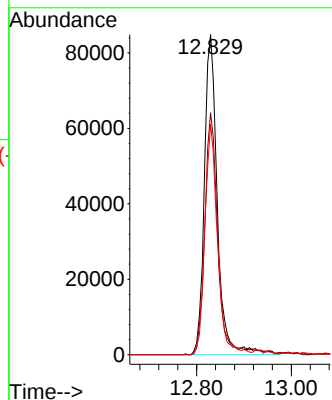
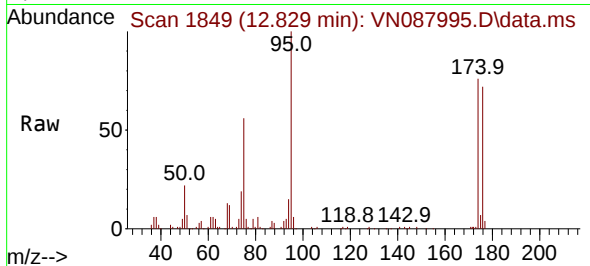




#62
4-Bromofluorobenzene
Concen: 48.490 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087995.D
Acq: 30 Sep 2025 12:10

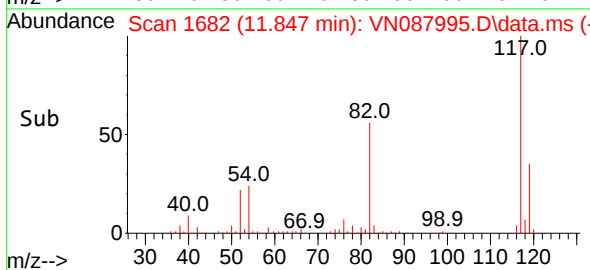
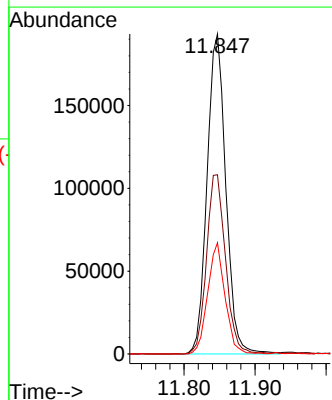
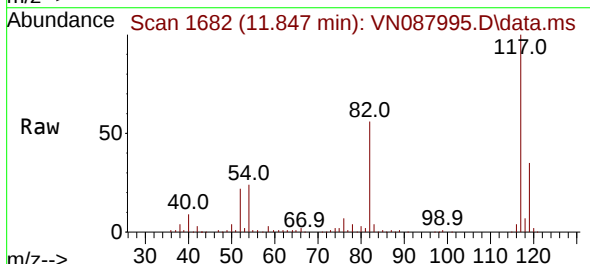
Instrument :
MSVOA_N
ClientSampleId :
IBLK

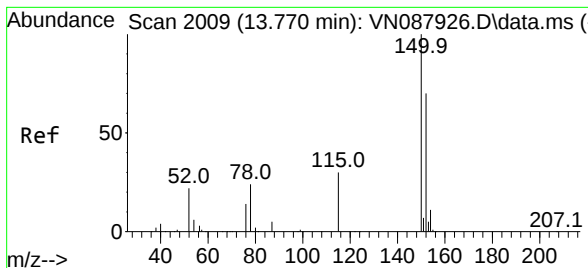
Tgt Ion: 95 Resp: 161878
Ion Ratio Lower Upper
95 100
174 75.4 0.0 159.2
176 70.3 0.0 152.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087995.D
Acq: 30 Sep 2025 12:10

Tgt Ion: 117 Resp: 354797
Ion Ratio Lower Upper
117 100
82 56.0 47.0 70.4
119 34.8 26.1 39.1

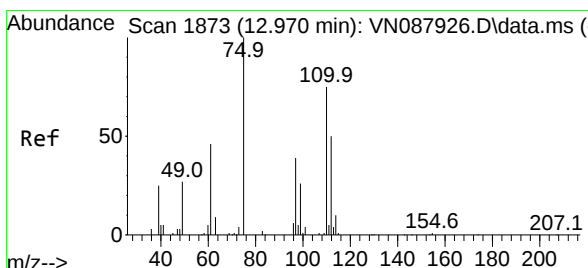
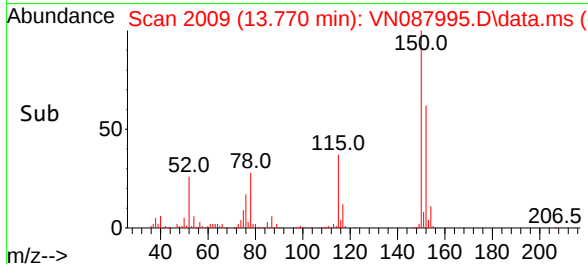
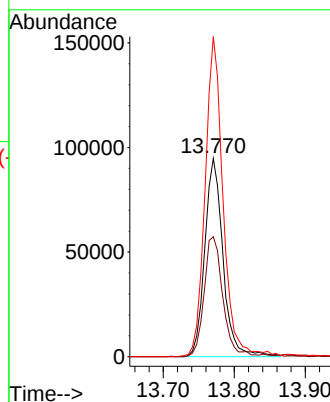
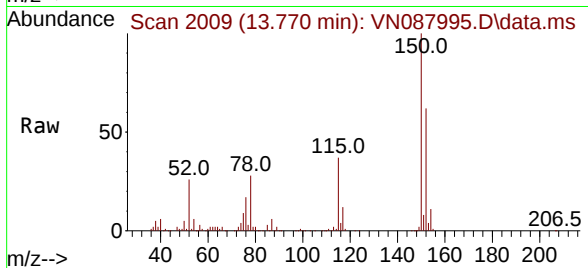




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VN087995.D
 Acq: 30 Sep 2025 12:10

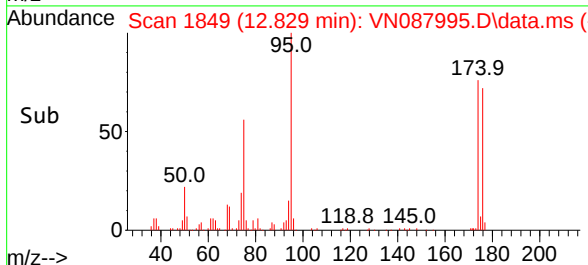
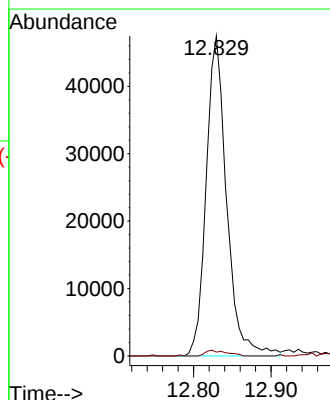
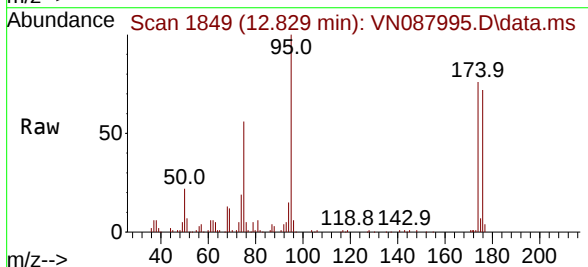
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

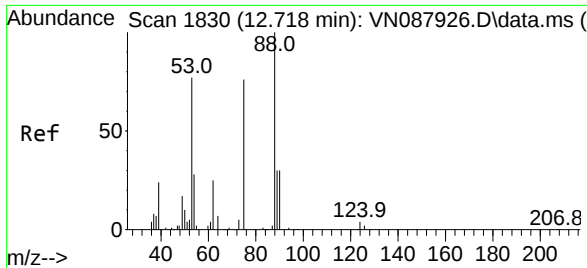
Tgt Ion:152 Resp: 169934
 Ion Ratio Lower Upper
 152 100
 115 61.7 29.9 89.7
 150 158.1 0.0 335.0



#76
 1,2,3-Trichloropropane
 Concen: 25.956 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN087995.D
 Acq: 30 Sep 2025 12:10

Tgt Ion: 75 Resp: 86948
 Ion Ratio Lower Upper
 75 100
 77 1.8 89.5 268.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.077 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. 0.112 min
 Lab File: VN087995.D
 Acq: 30 Sep 2025 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion: 75 Resp: 86948
 Ion Ratio Lower Upper
 75 100
 53 0.3 82.0 123.0#
 89 0.0 36.1 54.1#

