

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088393.D
 Acq On : 01 Dec 2025 18:41
 Operator : JC\MD
 Sample : Q3743-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 02 00:19:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

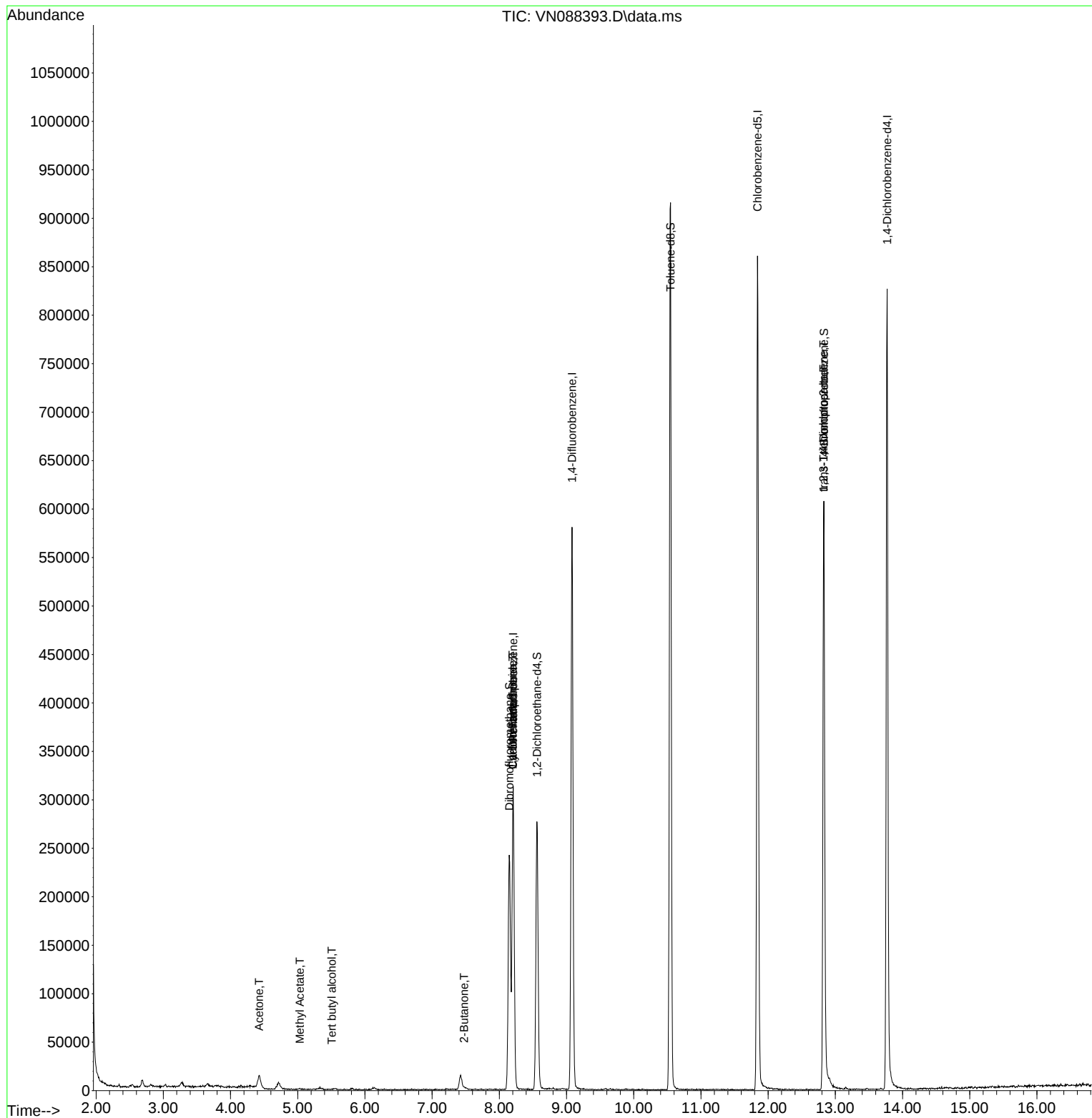
Internal Standards						
1) Pentafluorobenzene	8.206	168	203666	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	472280	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	460828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	215787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	234894	61.224	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 122.440%		
35) Dibromofluoromethane	8.147	113	173373	52.973	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 105.940%		
50) Toluene-d8	10.547	98	610228	50.110	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 100.220%		
62) 4-Bromofluorobenzene	12.829	95	223615	53.517	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 107.040%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.506	59	626	1.022	ug/l #	72
16) Acetone	4.424	43	26336	18.980	ug/l	96
18) Methyl Acetate	5.030	43	1298	0.314	ug/l #	76
25) 2-Butanone	7.477	43	4121	1.847	ug/l	95
31) Cyclohexane	8.200	56	8021	1.590	ug/l #	39
36) 1,1-Dichloropropene	8.200	75	21217	4.200	ug/l #	54
38) Carbon Tetrachloride	8.200	117	23848	4.743	ug/l #	18
76) 1,2,3-Trichloropropane	12.824	75	128865	25.497	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.824	75	128865	72.334	ug/l #	1

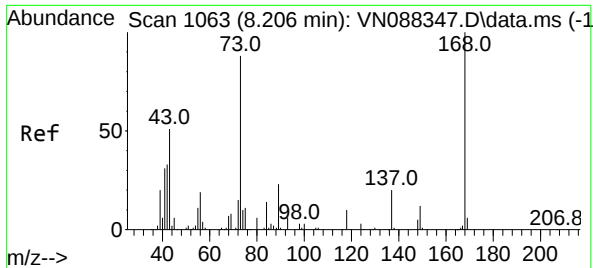
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

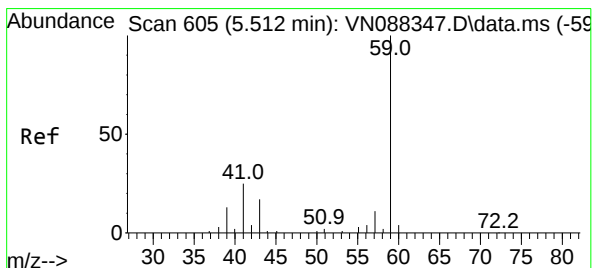
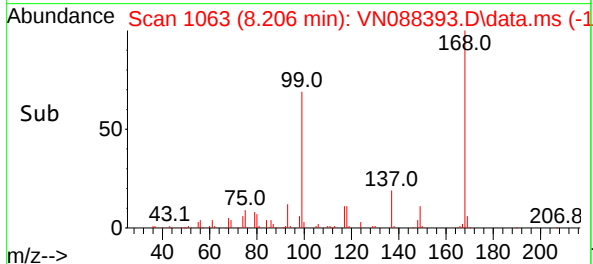
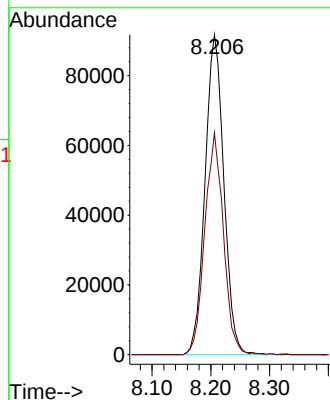
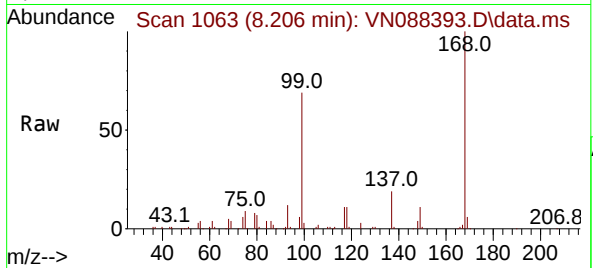




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088393.D
Acq: 01 Dec 2025 18:41

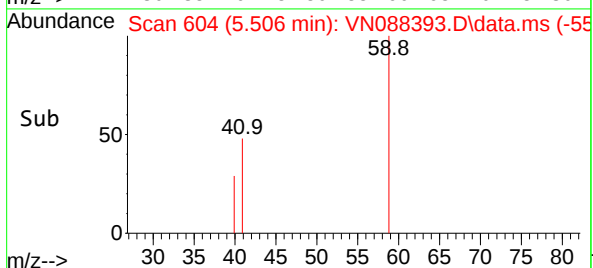
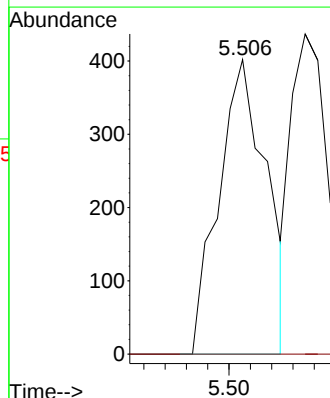
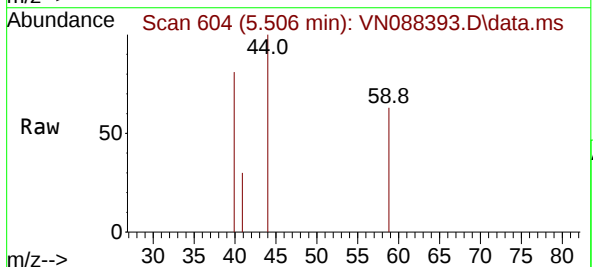
Instrument :
MSVOA_N
ClientSampleId :

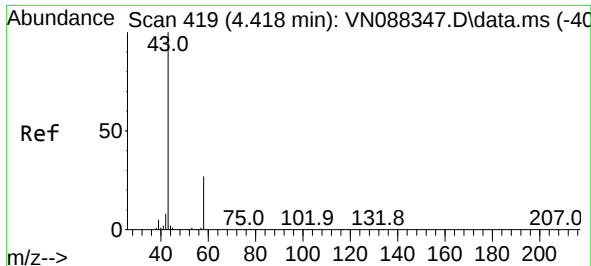
Tgt Ion:168 Resp: 203666
Ion Ratio Lower Upper
168 100
99 69.4 57.1 85.7



#11
Tert butyl alcohol
Concen: 1.022 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.006 min
Lab File: VN088393.D
Acq: 01 Dec 2025 18:41

Tgt Ion: 59 Resp: 626
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

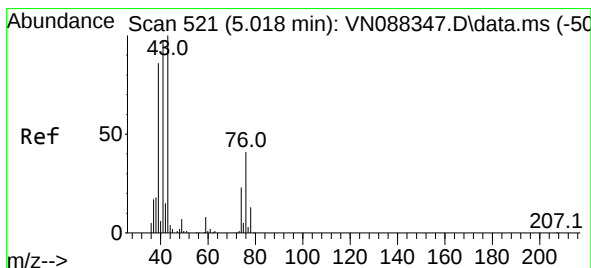
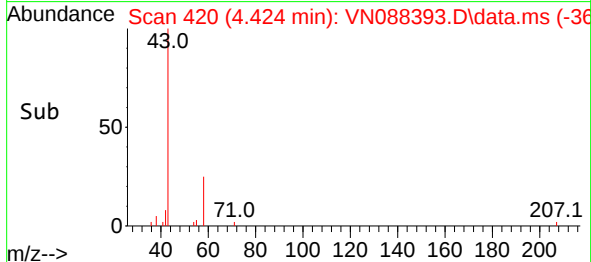
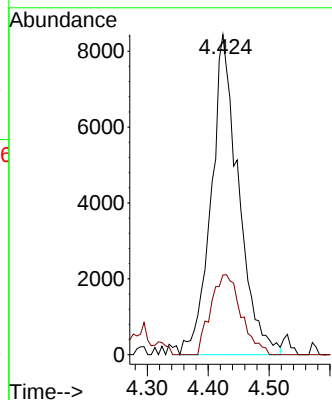
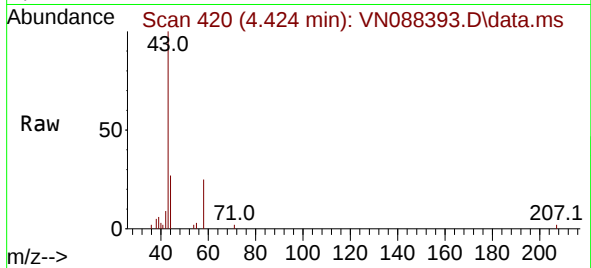




#16
Acetone
Concen: 18.980 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN088393.D
Acq: 01 Dec 2025 18:41

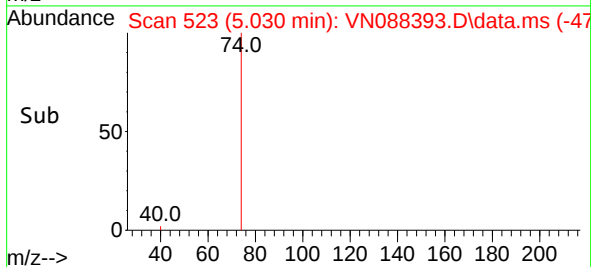
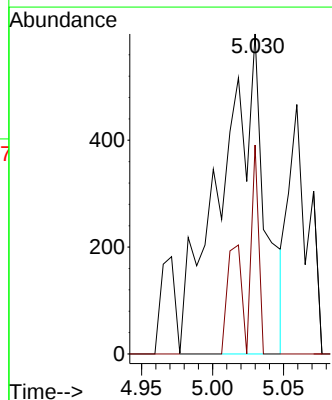
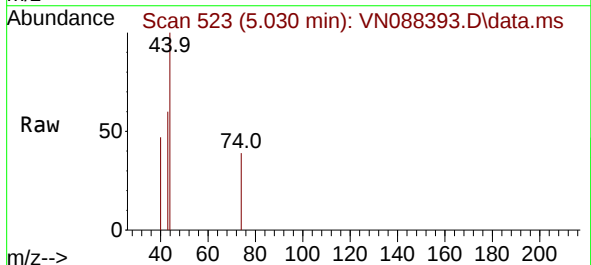
Instrument :
MSVOA_N
ClientSampleId :

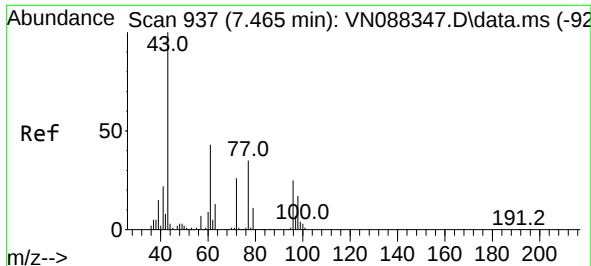
Tgt Ion: 43 Resp: 26336
Ion Ratio Lower Upper
43 100
58 24.9 21.7 32.5



#18
Methyl Acetate
Concen: 0.314 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN088393.D
Acq: 01 Dec 2025 18:41

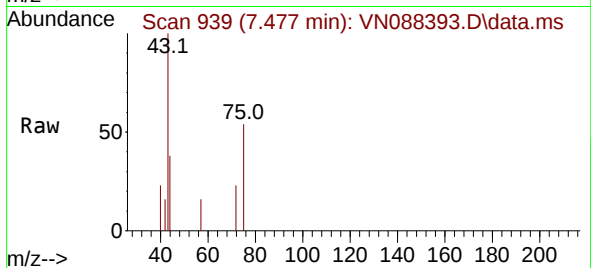
Tgt Ion: 43 Resp: 1298
Ion Ratio Lower Upper
43 100
74 10.8 17.9 26.9#



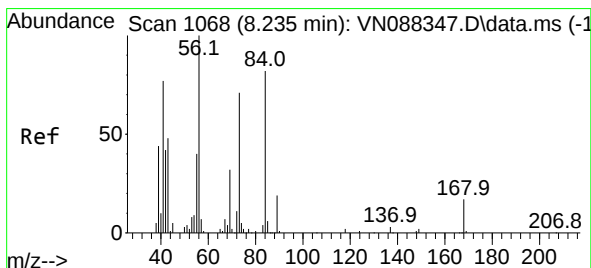
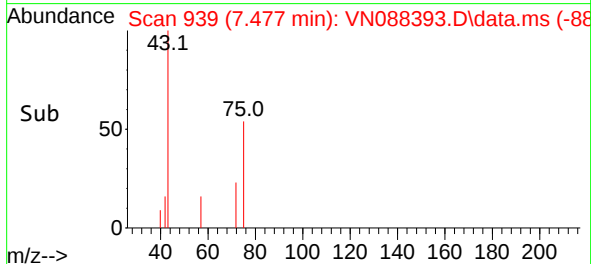
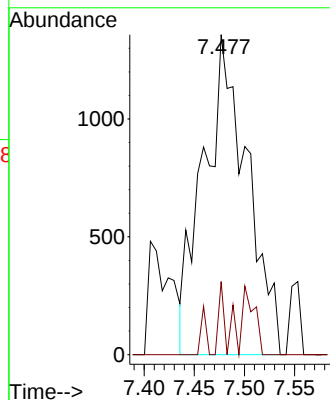


#25
2-Butanone
Concen: 1.847 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN088393.D
Acq: 01 Dec 2025 18:41

Instrument :
MSVOA_N
ClientSampleId :

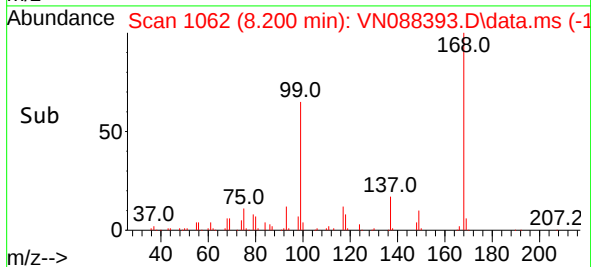
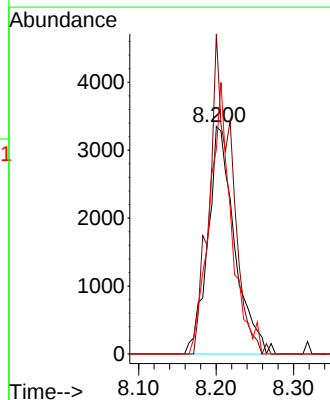
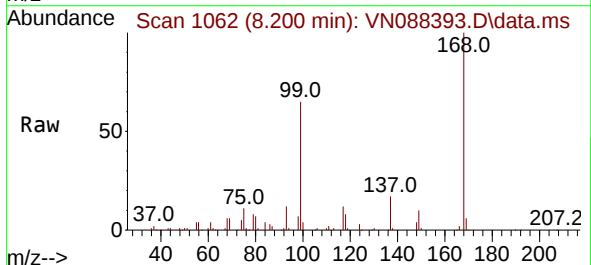


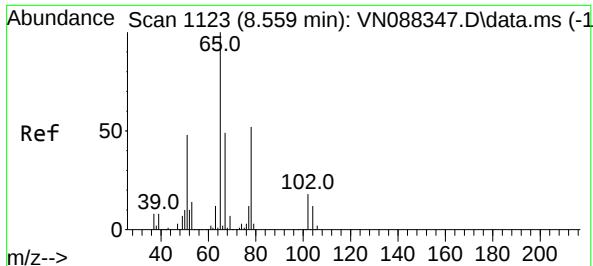
Tgt Ion: 43 Resp: 4121
Ion Ratio Lower Upper
43 100
72 22.8 20.5 30.7



#31
Cyclohexane
Concen: 1.590 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.035 min
Lab File: VN088393.D
Acq: 01 Dec 2025 18:41

Tgt Ion: 56 Resp: 8021
Ion Ratio Lower Upper
56 100
69 140.7 25.3 37.9#
84 89.9 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 61.224 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088393.D

Acq: 01 Dec 2025 18:41

Instrument :

MSVOA_N

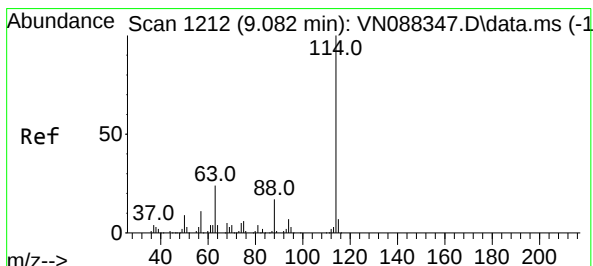
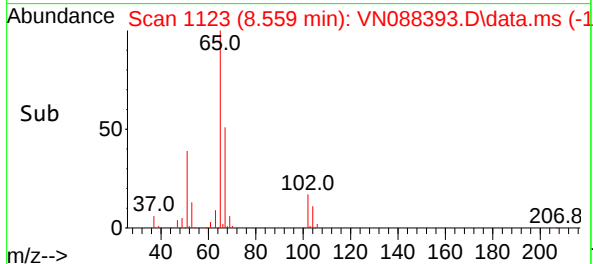
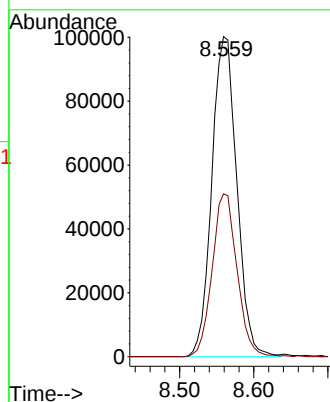
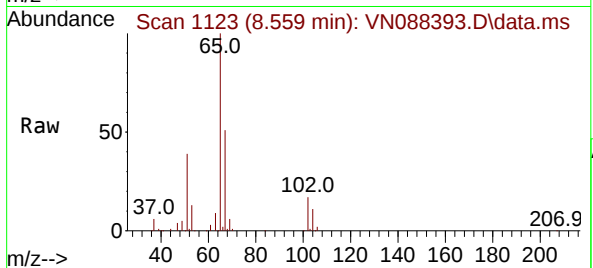
ClientSampleId :

Tgt Ion: 65 Resp: 234894

Ion Ratio Lower Upper

65 100

67 50.6 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088393.D

Acq: 01 Dec 2025 18:41

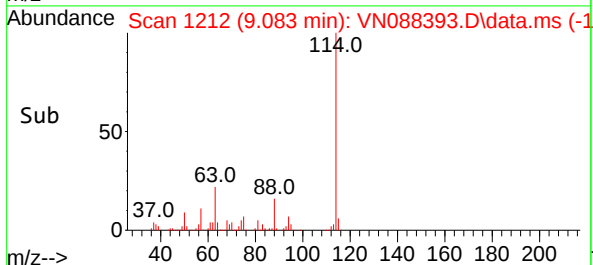
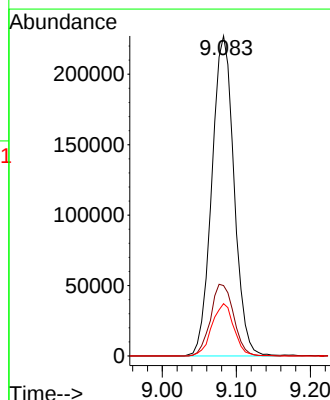
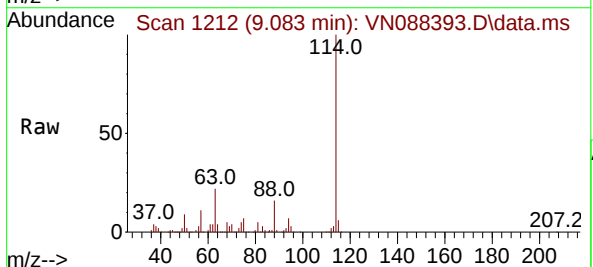
Tgt Ion: 114 Resp: 472280

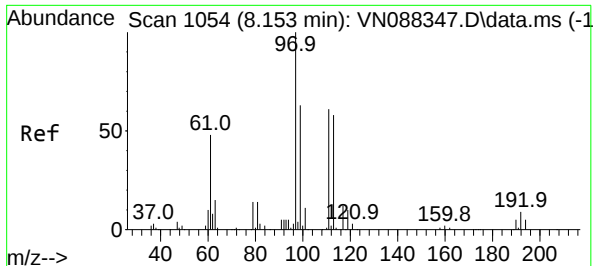
Ion Ratio Lower Upper

114 100

63 22.0 0.0 49.0

88 16.4 0.0 34.0





#35

Dibromofluoromethane

Concen: 52.973 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

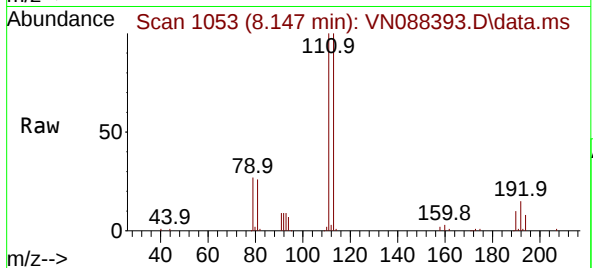
Lab File: VN088393.D

Acq: 01 Dec 2025 18:41

Instrument :

MSVOA_N

ClientSampleId :



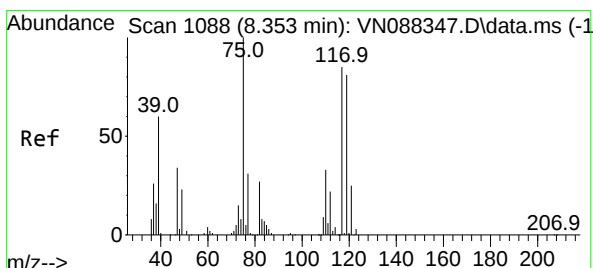
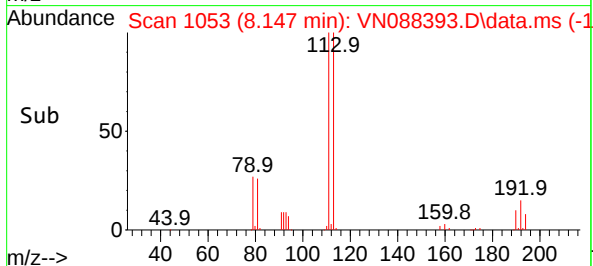
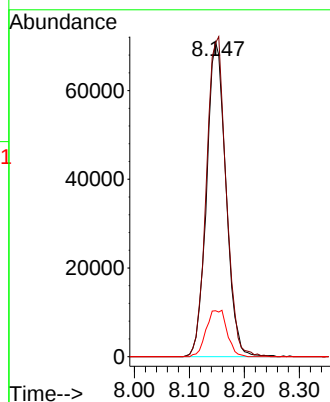
Tgt Ion:113 Resp: 173373

Ion Ratio Lower Upper

113 100

111 103.3 82.5 123.7

192 15.9 12.8 19.2



#36

1,1-Dichloropropene

Concen: 4.200 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN088393.D

Acq: 01 Dec 2025 18:41

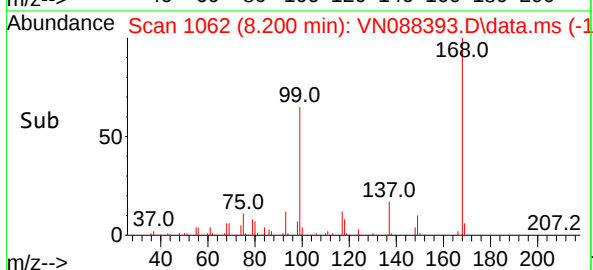
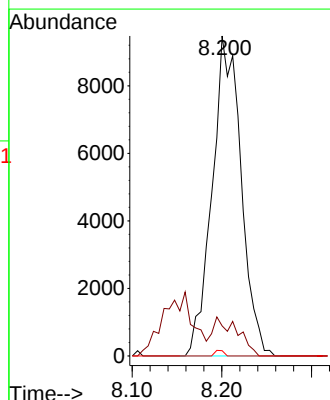
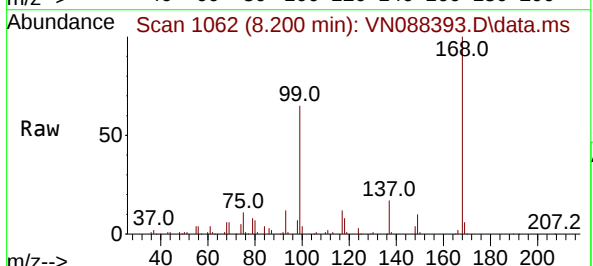
Tgt Ion: 75 Resp: 21217

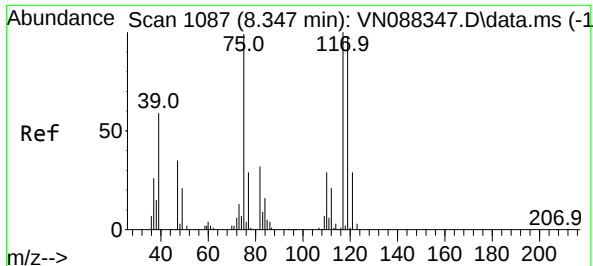
Ion Ratio Lower Upper

75 100

110 10.4 15.8 47.4#

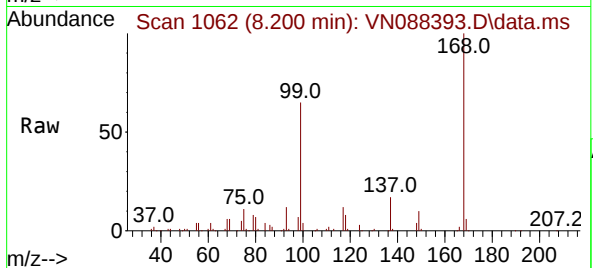
77 0.5 24.2 36.2#



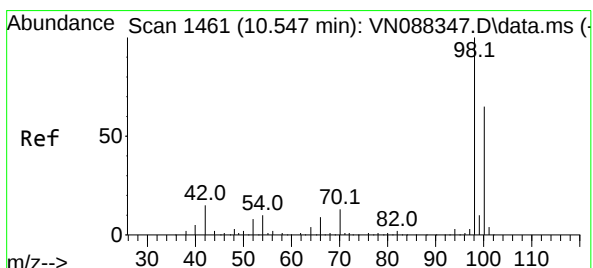
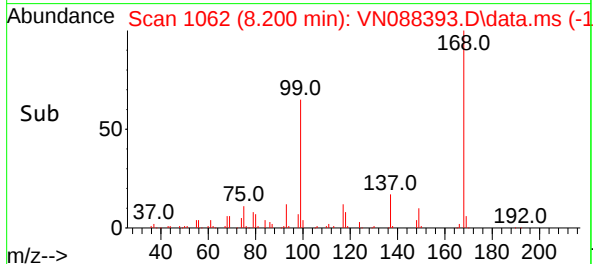
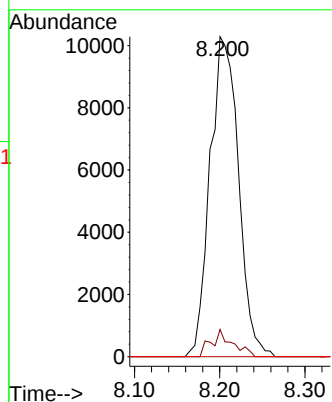


#38
Carbon Tetrachloride
Concen: 4.743 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.147 min
Lab File: VN088393.D
Acq: 01 Dec 2025 18:41

Instrument :
MSVOA_N
ClientSampleId :

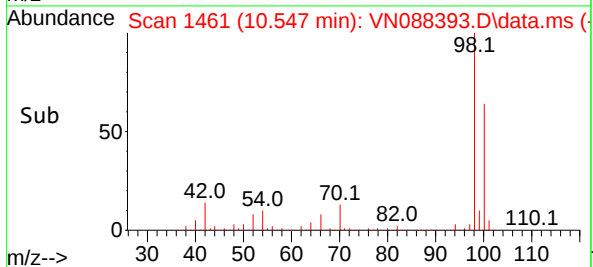
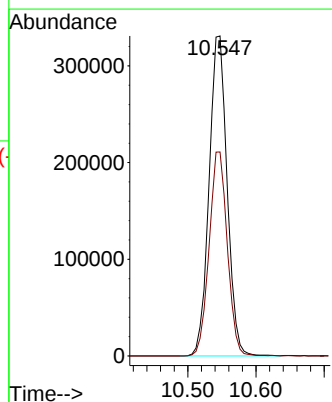
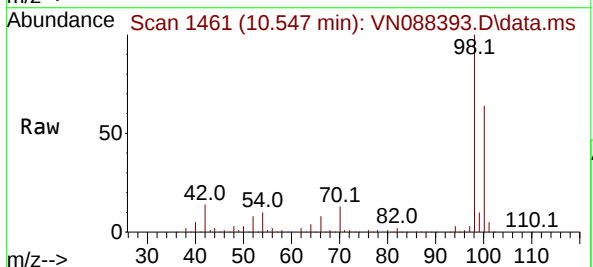


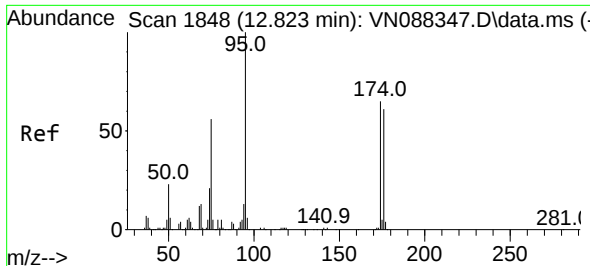
Tgt Ion:117 Resp: 23848
Ion Ratio Lower Upper
117 100
119 8.5 78.2 117.4#
121 0.0 23.4 35.2#



#50
Toluene-d8
Concen: 50.110 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088393.D
Acq: 01 Dec 2025 18:41

Tgt Ion: 98 Resp: 610228
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2

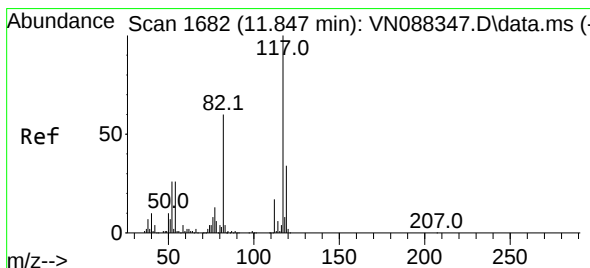
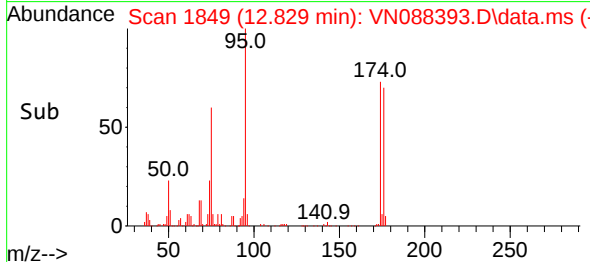
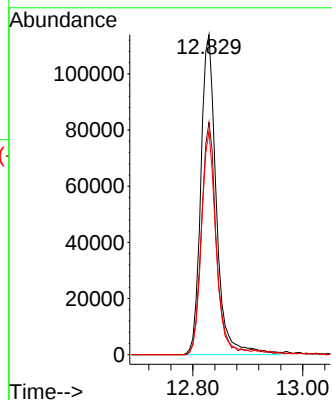
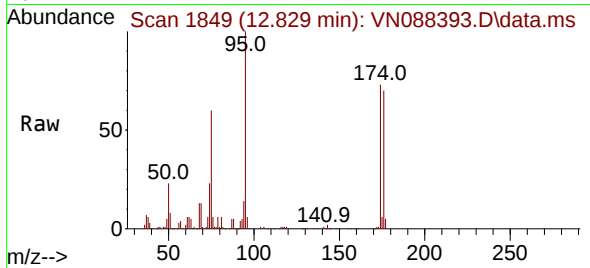




#62
4-Bromofluorobenzene
Concen: 53.517 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088393.D
Acq: 01 Dec 2025 18:41

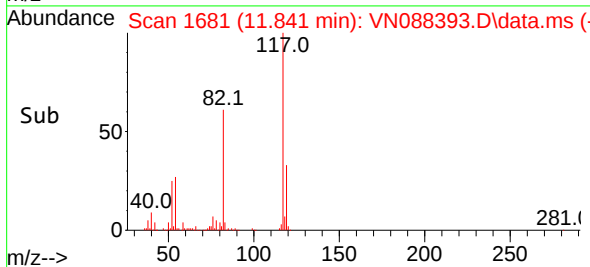
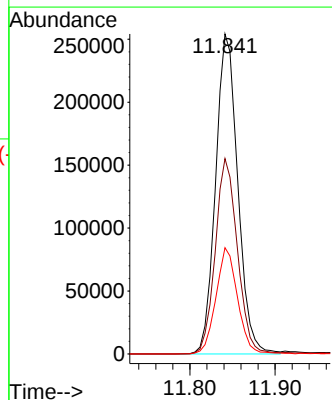
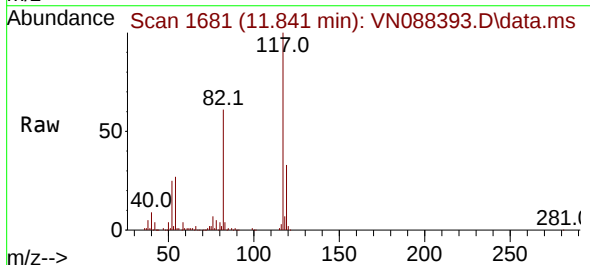
Instrument :
MSVOA_N
ClientSampleId :

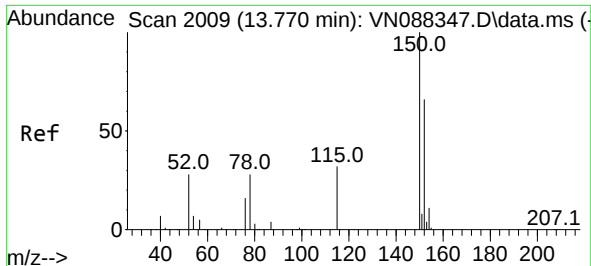
Tgt Ion: 95 Resp: 223615
Ion Ratio Lower Upper
95 100
174 69.2 0.0 139.0
176 66.0 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088393.D
Acq: 01 Dec 2025 18:41

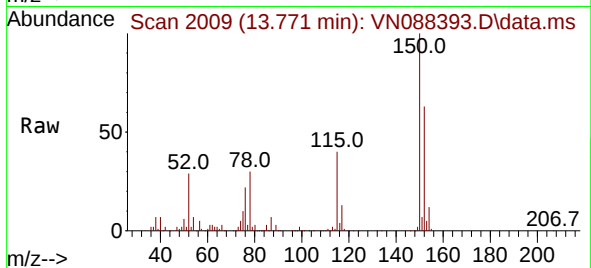
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Ion Ratio Lower Upper
117 100
82 61.0 47.8 71.8
119 33.2 26.9 40.3





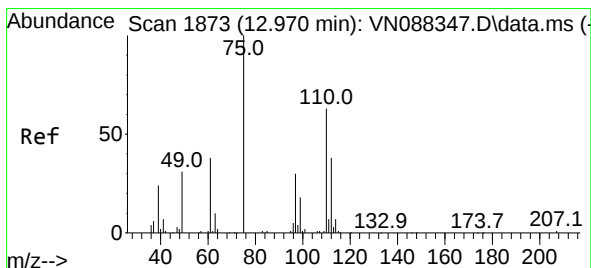
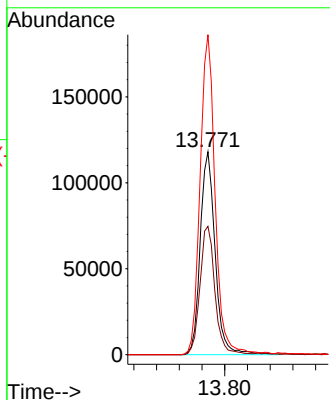
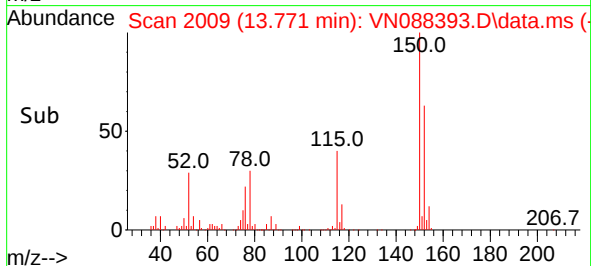
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.771 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN088393.D
 Acq: 01 Dec 2025 18:41

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:152 Resp: 215787

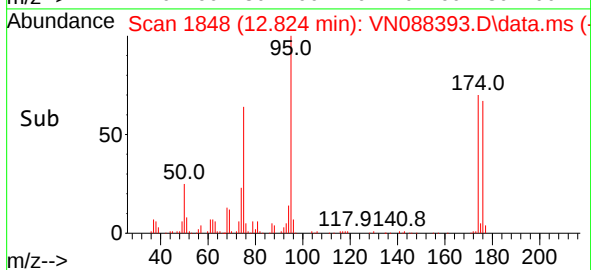
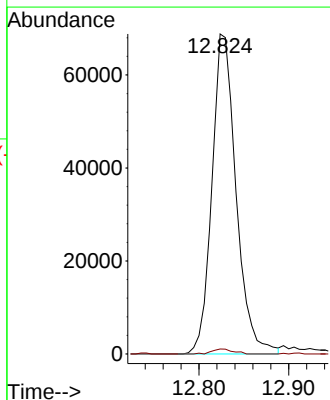
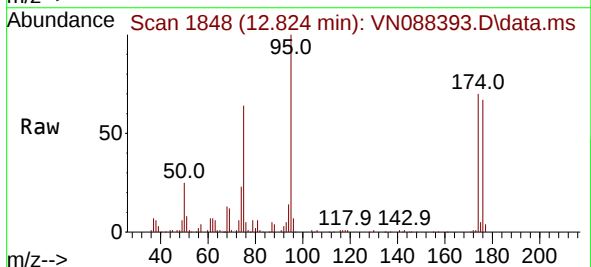
Ion	Ratio	Lower	Upper
152	100		
115	63.2	33.0	98.9
150	158.4	0.0	349.0

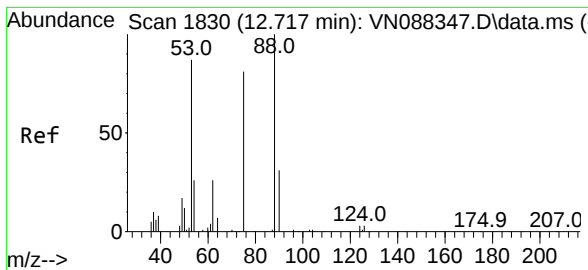


#76
 1,2,3-Trichloropropane
 Concen: 25.497 ug/l
 RT: 12.824 min Scan# 1848
 Delta R.T. -0.147 min
 Lab File: VN088393.D
 Acq: 01 Dec 2025 18:41

Tgt Ion: 75 Resp: 128865

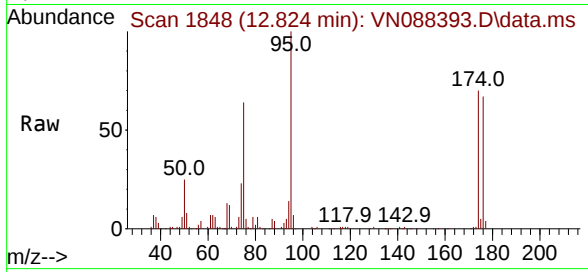
Ion	Ratio	Lower	Upper
75	100		
77	1.4	87.2	261.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.334 ug/l
 RT: 12.824 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN088393.D
 Acq: 01 Dec 2025 18:41

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 128865
 Ion Ratio Lower Upper
 75 100
 53 0.1 92.2 138.4#
 89 0.0 0.0 0.0#

