

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120325\
 Data File : VN088434.D
 Acq On : 03 Dec 2025 16:58
 Operator : JC\MD
 Sample : Q3756-10RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-120225RE

Quant Time: Dec 04 00:23:31 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)

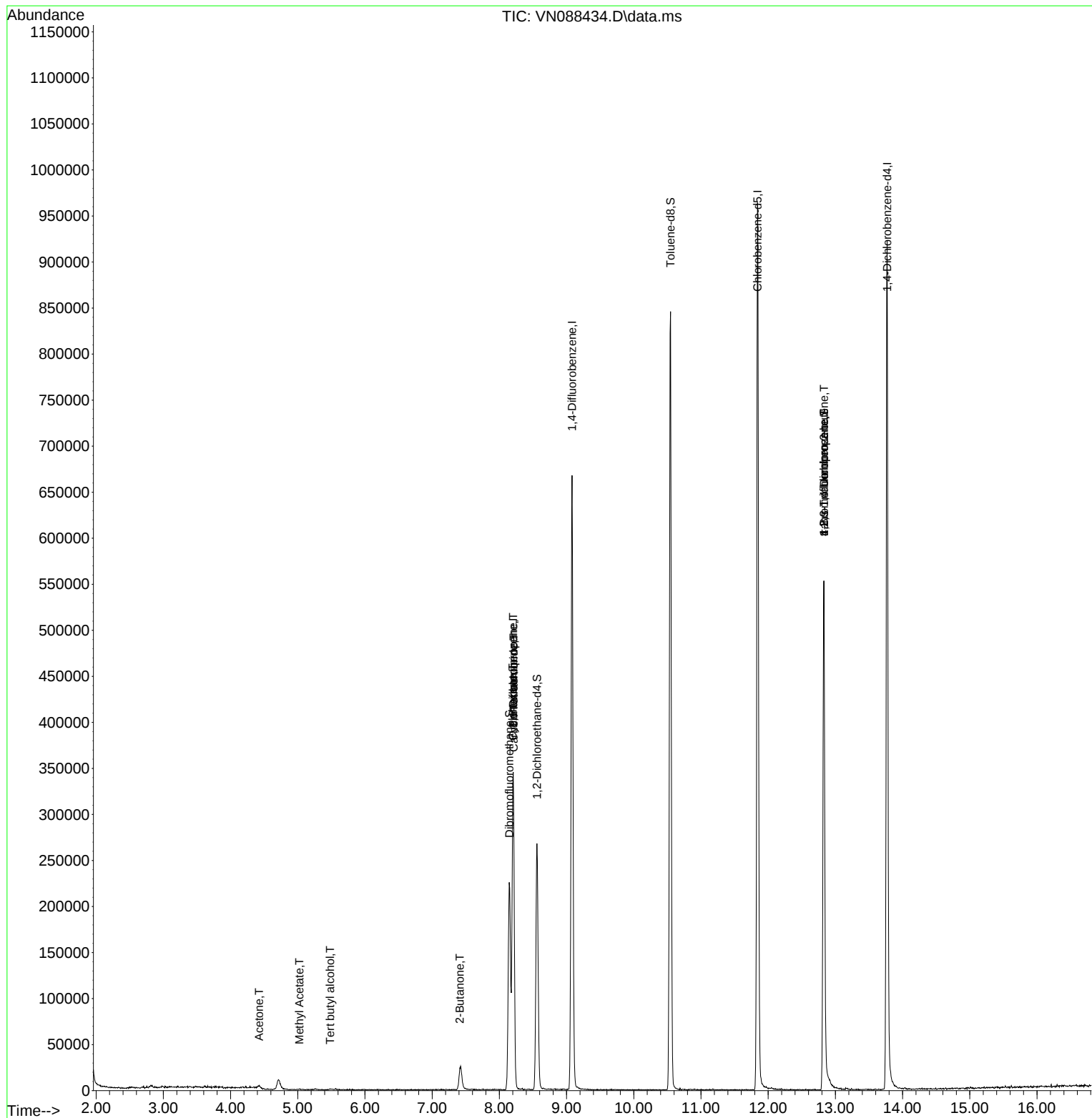
Internal Standards						
1) Pentafluorobenzene	8.206	168	223956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	518301	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	518638	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	245675	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	230323	54.593	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.180%			
35) Dibromofluoromethane	8.147	113	160791	44.766	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.540%			
50) Toluene-d8	10.547	98	560829	41.965	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 83.920%#			
62) 4-Bromofluorobenzene	12.829	95	202134	44.081	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.160%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.483	59	364	0.540	ug/l #	72
16) Acetone	4.424	43	5630	3.690	ug/l #	87
18) Methyl Acetate	5.024	43	1355	0.298	ug/l #	53
25) 2-Butanone	7.412	43	599	0.244	ug/l #	49
31) Cyclohexane	8.200	56	7812	1.408	ug/l #	32
36) 1,1-Dichloropropene	8.206	75	24715	4.459	ug/l #	46
38) Carbon Tetrachloride	8.212	117	26528	4.807	ug/l #	15
76) 1,2,3-Trichloropropane	12.829	75	120896	21.010	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	120896	59.605	ug/l #	1

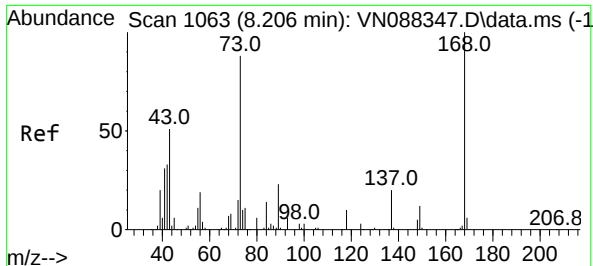
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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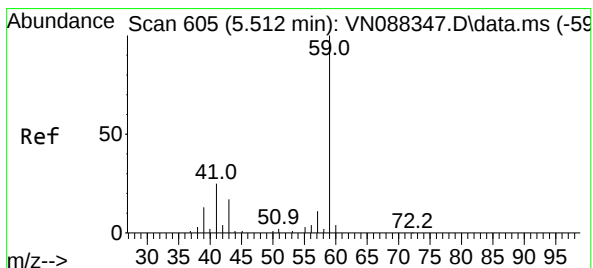
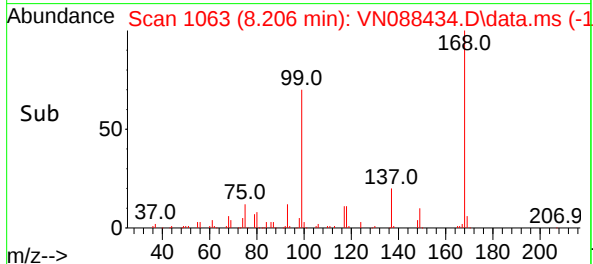
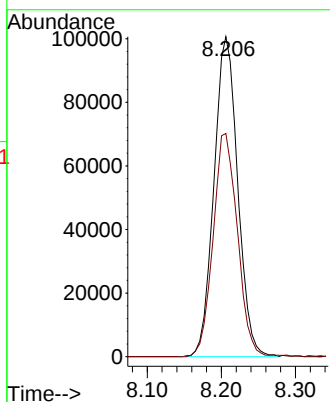
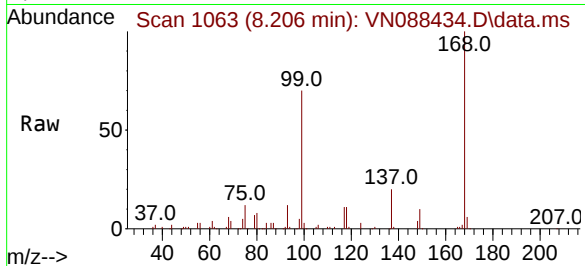




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088434.D
Acq: 03 Dec 2025 16:58

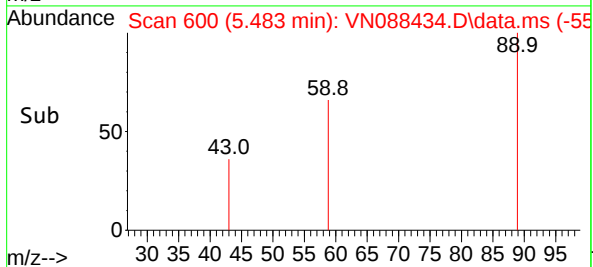
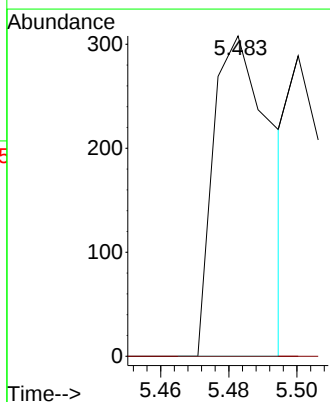
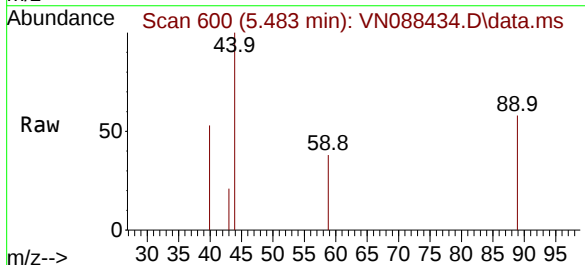
Instrument :
MSVOA_N
ClientSampleId :
TB01-120225RE

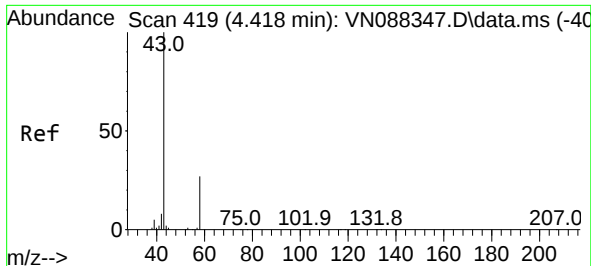
Tgt Ion:168 Resp: 223956
Ion Ratio Lower Upper
168 100
99 69.8 57.1 85.7



#11
Tert butyl alcohol
Concen: 0.540 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.029 min
Lab File: VN088434.D
Acq: 03 Dec 2025 16:58

Tgt Ion: 59 Resp: 364
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

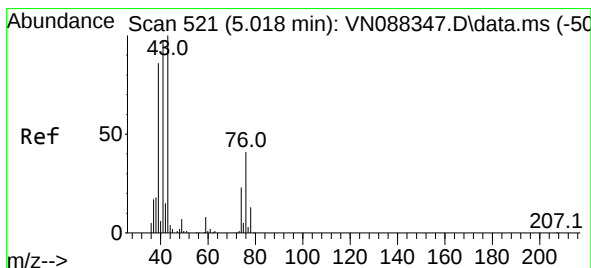
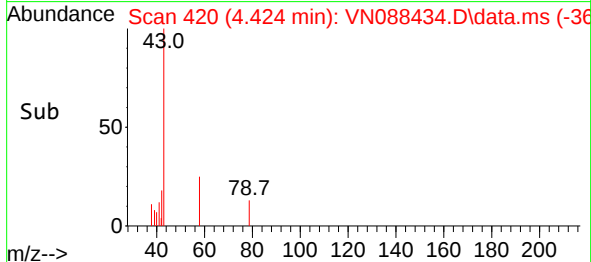
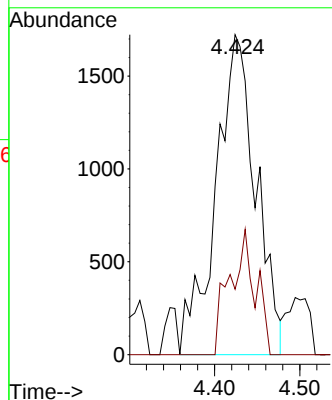
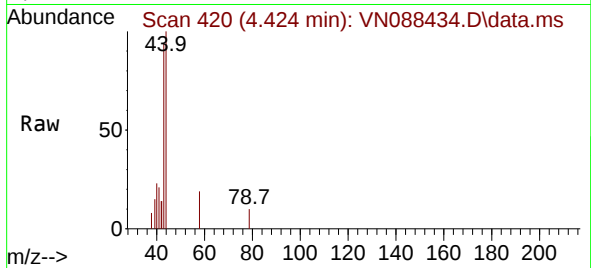




#16
Acetone
Concen: 3.690 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN088434.D
Acq: 03 Dec 2025 16:58

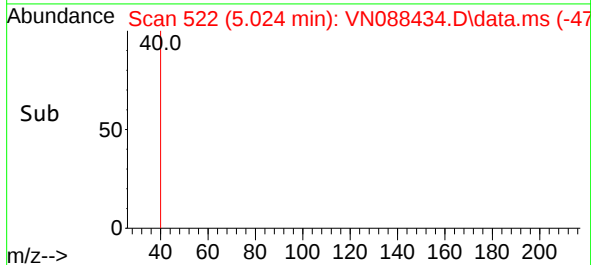
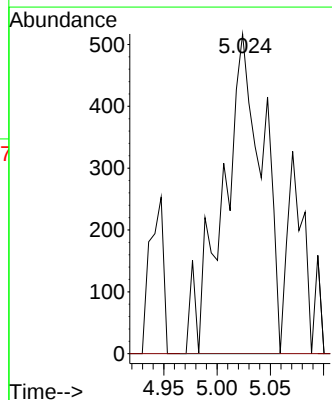
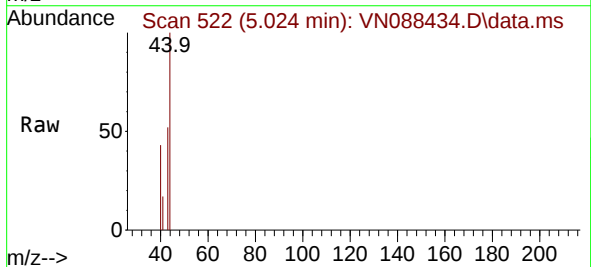
Instrument :
MSVOA_N
ClientSampleId :
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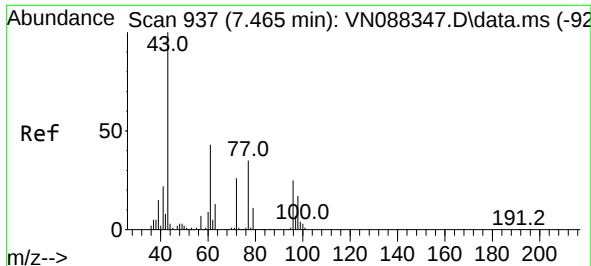
Tgt Ion: 43 Resp: 5630
Ion Ratio Lower Upper
43 100
58 20.4 21.7 32.5#



#18
Methyl Acetate
Concen: 0.298 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN088434.D
Acq: 03 Dec 2025 16:58

Tgt Ion: 43 Resp: 1355
Ion Ratio Lower Upper
43 100
74 0.0 17.9 26.9#

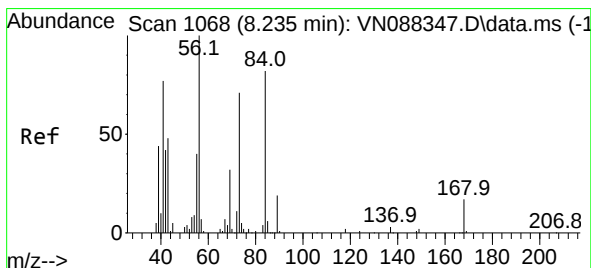
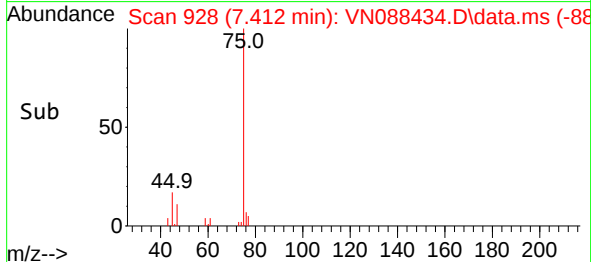
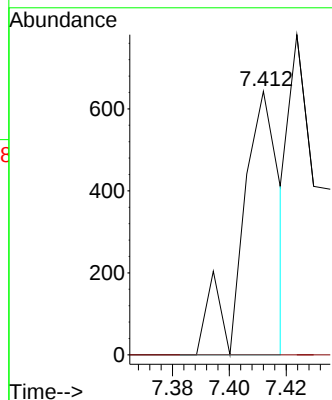
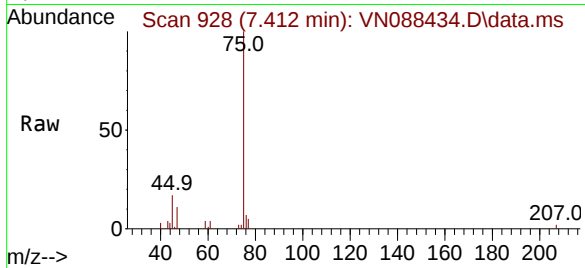




#25
2-Butanone
Concen: 0.244 ug/l
RT: 7.412 min Scan# 91
Delta R.T. -0.053 min
Lab File: VN088434.D
Acq: 03 Dec 2025 16:58

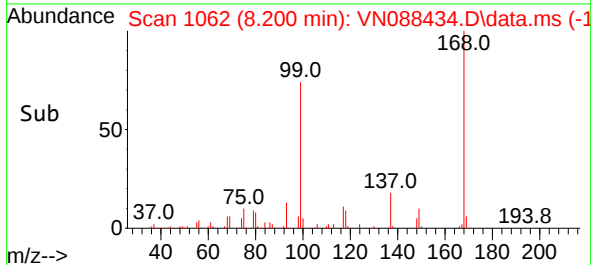
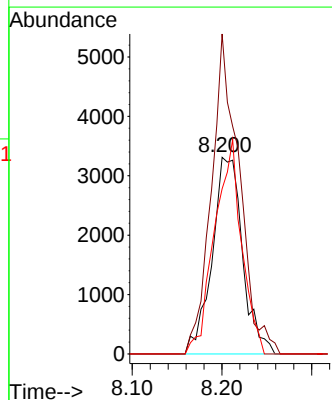
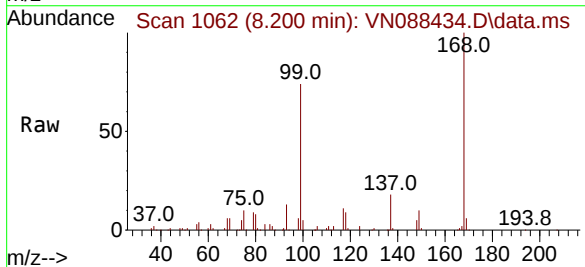
Instrument :
MSVOA_N
ClientSampleId :
TB01-120225RE

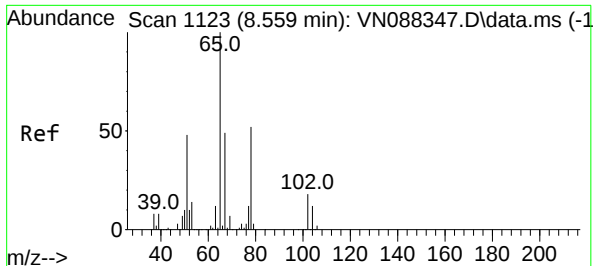
Tgt Ion: 43 Resp: 599
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#31
Cyclohexane
Concen: 1.408 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.035 min
Lab File: VN088434.D
Acq: 03 Dec 2025 16:58

Tgt Ion: 56 Resp: 7812
Ion Ratio Lower Upper
56 100
69 162.7 25.3 37.9#
84 83.9 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 54.593 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088434.D

Acq: 03 Dec 2025 16:58

Instrument :

MSVOA_N

ClientSampleId :

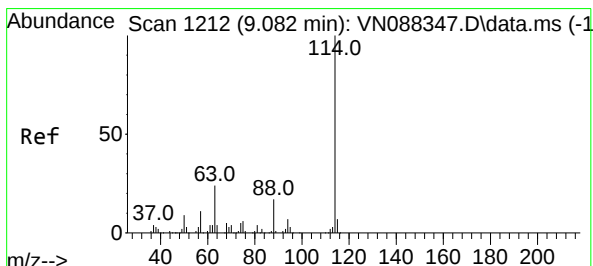
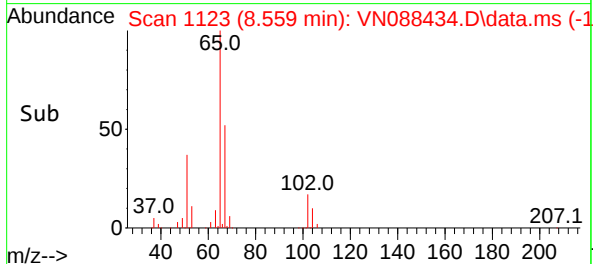
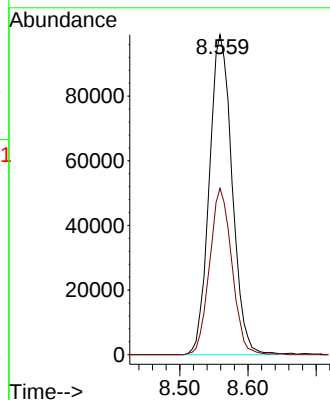
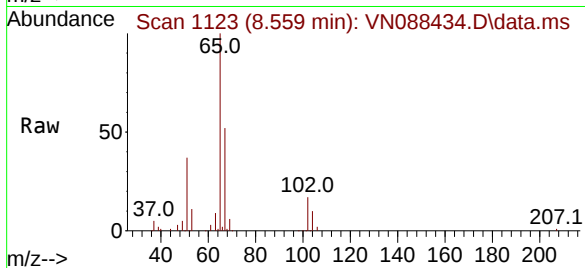
TB01-120225RE

Tgt Ion: 65 Resp: 230323

Ion Ratio Lower Upper

65 100

67 50.8 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088434.D

Acq: 03 Dec 2025 16:58

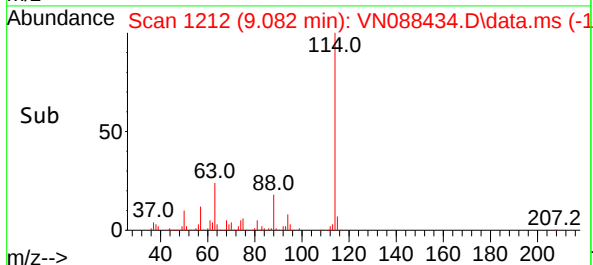
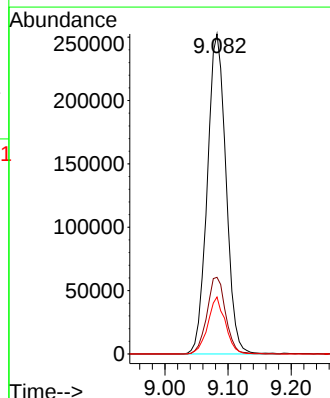
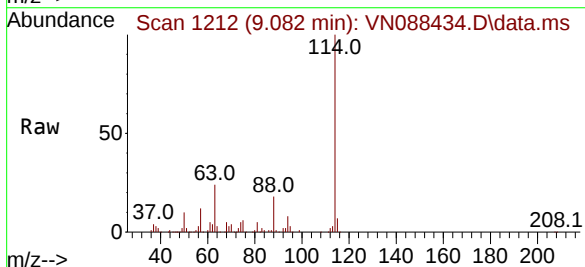
Tgt Ion: 114 Resp: 518301

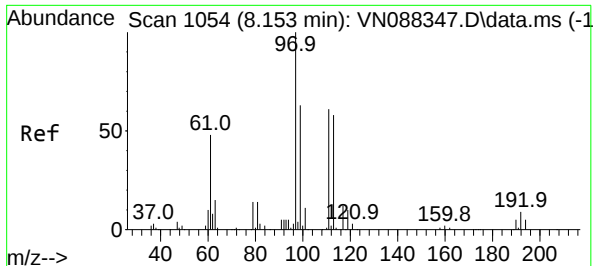
Ion Ratio Lower Upper

114 100

63 23.9 0.0 49.0

88 17.8 0.0 34.0

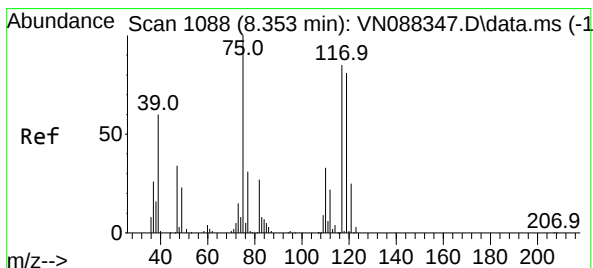
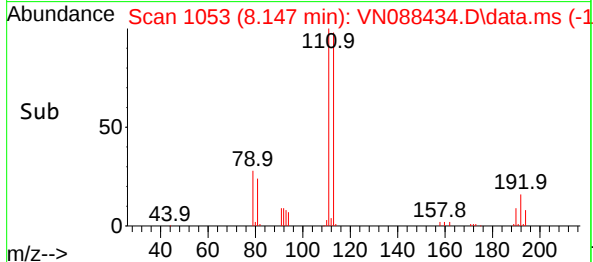
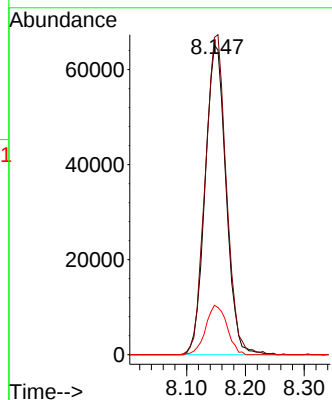
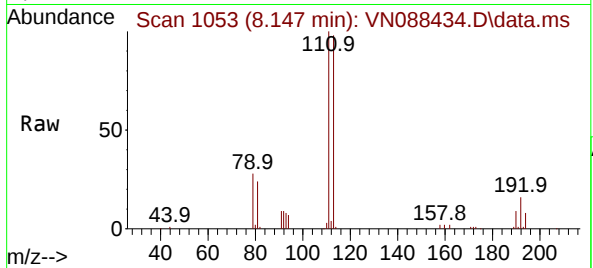




#35
Dibromofluoromethane
Concen: 44.766 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088434.D
Acq: 03 Dec 2025 16:58

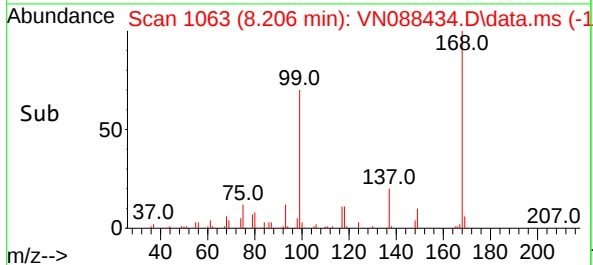
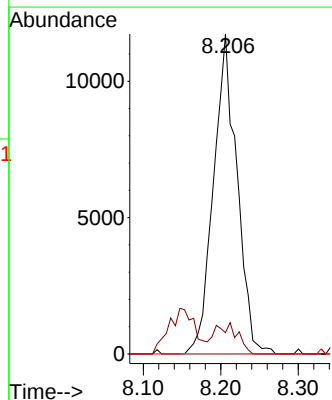
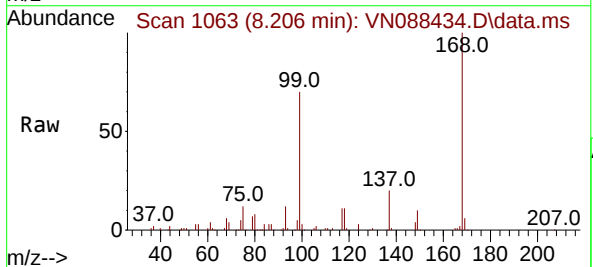
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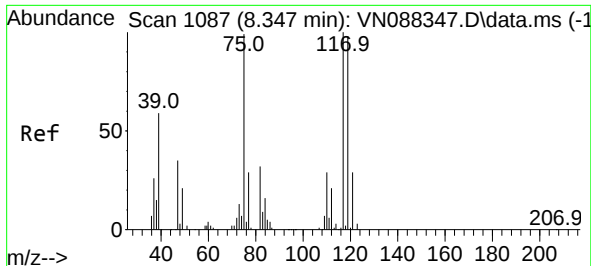
Tgt Ion:113 Resp: 160791
Ion Ratio Lower Upper
113 100
111 104.6 82.5 123.7
192 16.2 12.8 19.2



#36
1,1-Dichloropropene
Concen: 4.459 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.147 min
Lab File: VN088434.D
Acq: 03 Dec 2025 16:58

Tgt Ion: 75 Resp: 24715
Ion Ratio Lower Upper
75 100
110 2.3 15.8 47.4#
77 0.0 24.2 36.2#

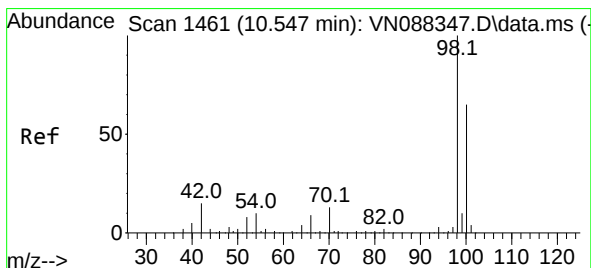
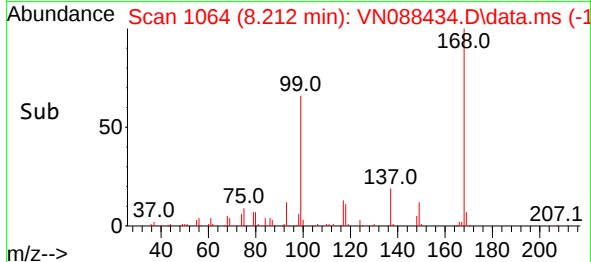
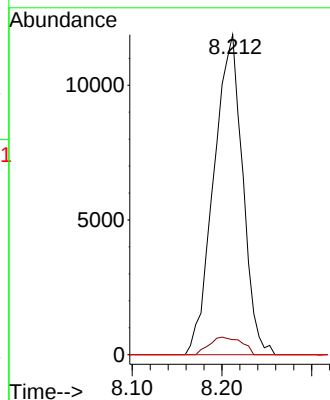
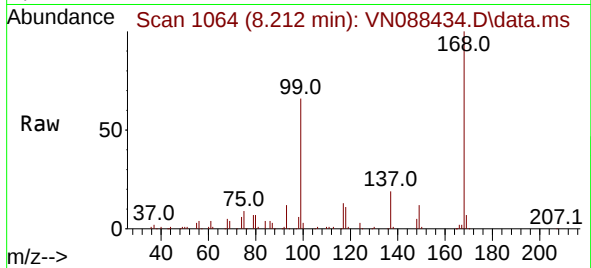




#38
Carbon Tetrachloride
Concen: 4.807 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.135 min
Lab File: VN088434.D
Acq: 03 Dec 2025 16:58

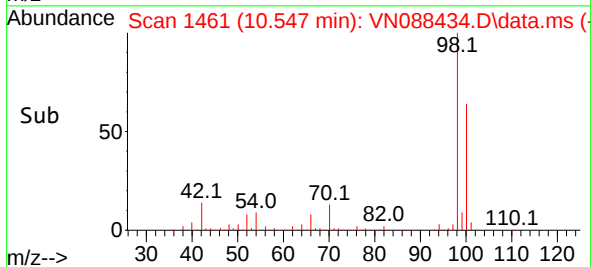
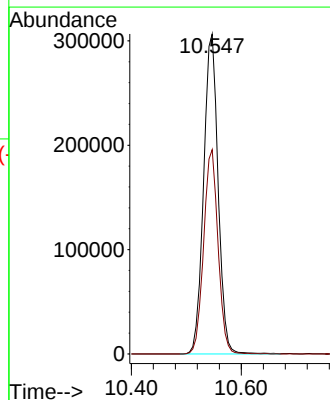
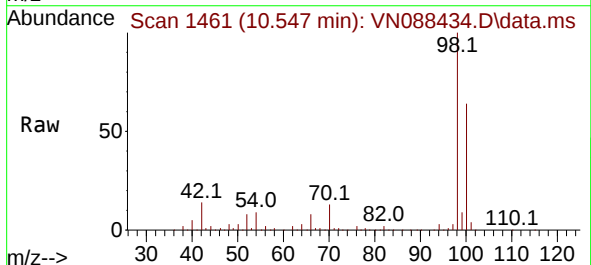
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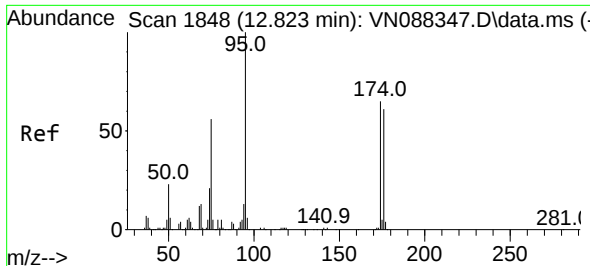
Tgt Ion:117 Resp: 26528
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.4#
121 0.0 23.4 35.2#



#50
Toluene-d8
Concen: 41.965 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088434.D
Acq: 03 Dec 2025 16:58

Tgt Ion: 98 Resp: 560829
Ion Ratio Lower Upper
98 100
100 63.5 52.2 78.2

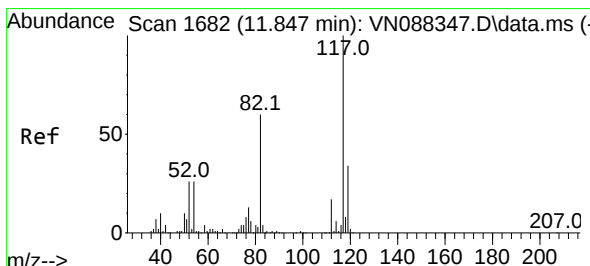
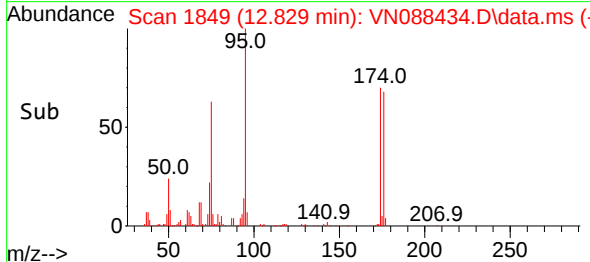
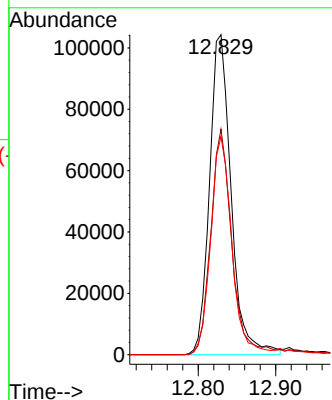
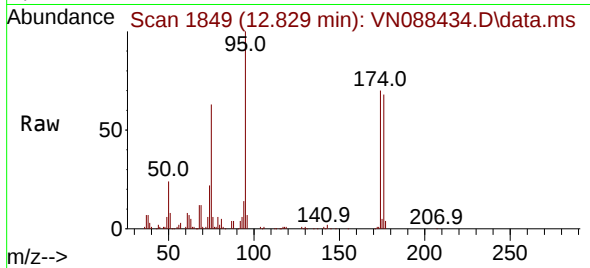




#62
4-Bromofluorobenzene
Concen: 44.081 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088434.D
Acq: 03 Dec 2025 16:58

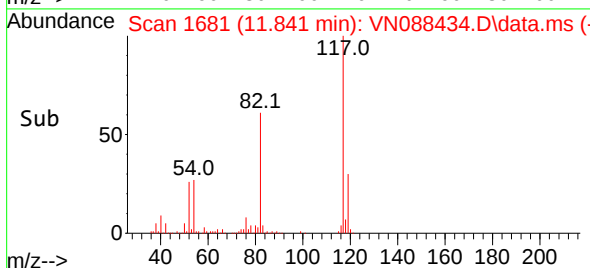
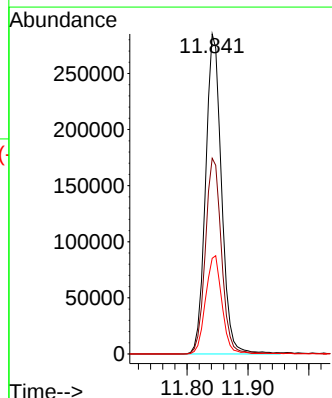
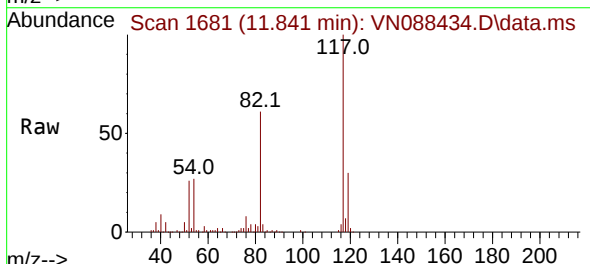
Instrument :
MSVOA_N
ClientSampleId :
TB01-120225RE

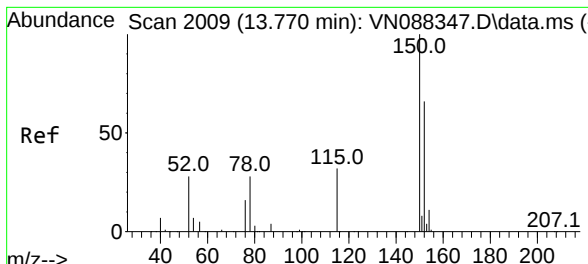
Tgt Ion: 95 Resp: 202134
Ion Ratio Lower Upper
95 100
174 69.0 0.0 139.0
176 66.4 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088434.D
Acq: 03 Dec 2025 16:58

Tgt Ion: 117 Resp: 518638
Ion Ratio Lower Upper
117 100
82 61.1 47.8 71.8
119 29.9 26.9 40.3

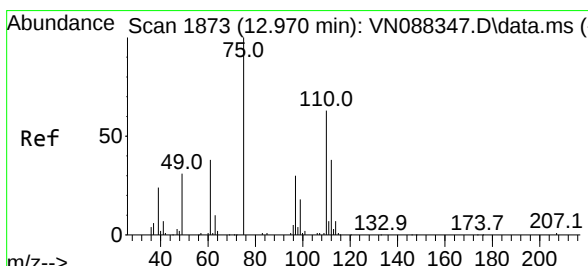
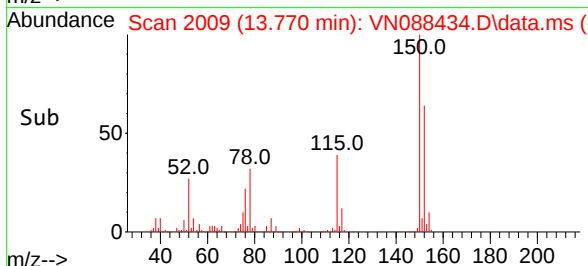
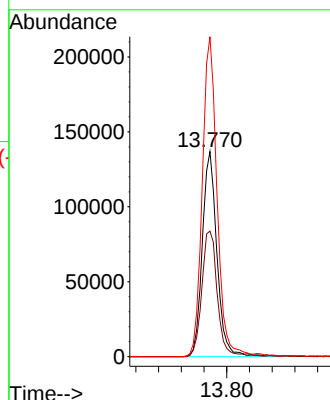
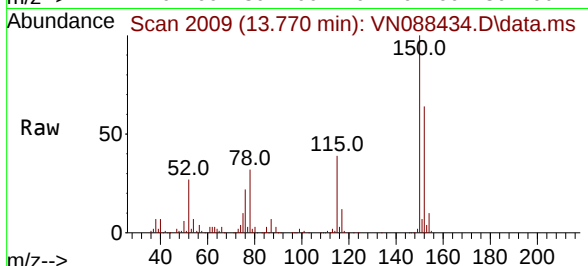




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VN088434.D
 Acq: 03 Dec 2025 16:58

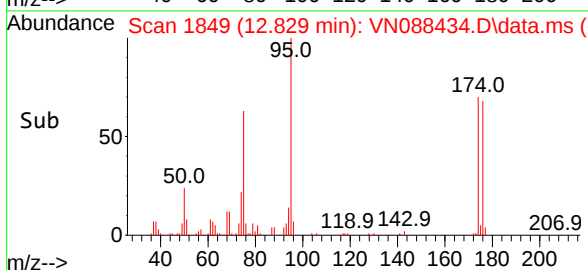
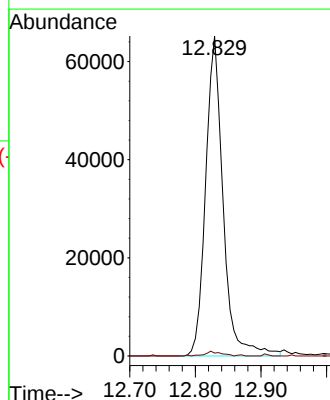
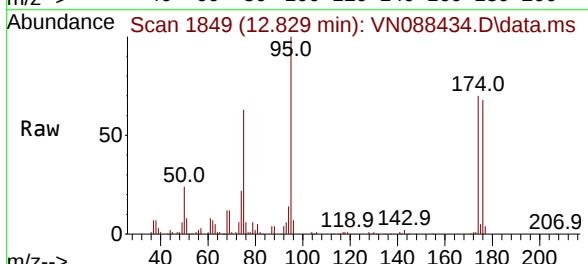
Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-120225RE

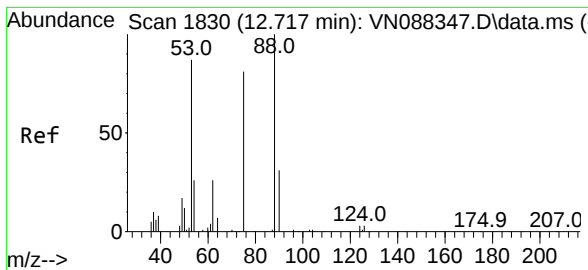
Tgt Ion:152 Resp: 245675
 Ion Ratio Lower Upper
 152 100
 115 64.1 33.0 98.9
 150 155.8 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 21.010 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN088434.D
 Acq: 03 Dec 2025 16:58

Tgt Ion: 75 Resp: 120896
 Ion Ratio Lower Upper
 75 100
 77 1.3 87.2 261.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.605 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN088434.D
 Acq: 03 Dec 2025 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-120225RE

Tgt Ion: 75 Resp: 120896
 Ion Ratio Lower Upper
 75 100
 53 0.1 92.2 138.4#
 89 0.0 0.0 0.0

