

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121625\
 Data File : VN088532.D
 Acq On : 16 Dec 2025 16:28
 Operator : JC\MD
 Sample : Q3852-04 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TK 9&10 20"

Quant Time: Dec 17 01:44:47 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)

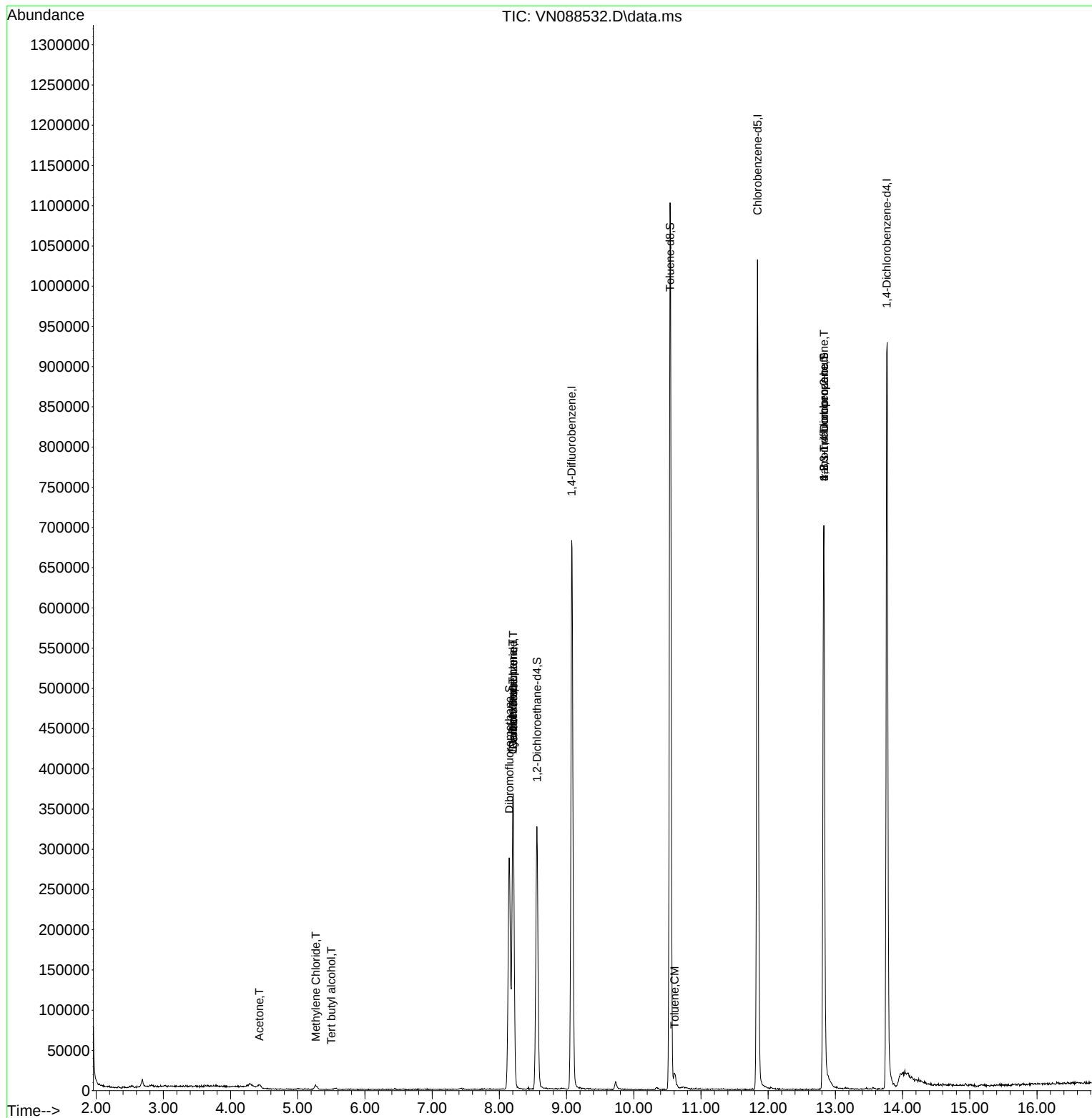
Internal Standards						
1) Pentafluorobenzene	8.206	168	247435	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	574222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	565287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	259809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	277671	59.571	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	119.140%
35) Dibromofluoromethane	8.147	113	211134	53.058	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.120%
50) Toluene-d8	10.541	98	748811	50.574	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.140%
62) 4-Bromofluorobenzene	12.829	95	269001	52.950	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.900%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.500	59	419	0.563	ug/l #	72
16) Acetone	4.430	43	10135	6.012	ug/l	94
20) Methylene Chloride	5.271	84	3503	0.971	ug/l #	79
31) Cyclohexane	8.200	56	7865	1.283	ug/l #	21
36) 1,1-Dichloropropene	8.200	75	24304	3.957	ug/l #	51
38) Carbon Tetrachloride	8.206	117	27317	4.468	ug/l #	16
52) Toluene	10.606	92	6550	0.629	ug/l	93
76) 1,2,3-Trichloropropane	12.829	75	145496	23.910	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	145496	67.831	ug/l #	1

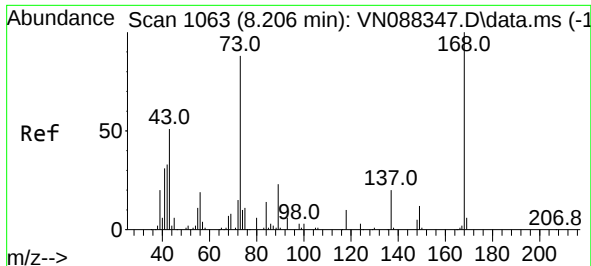
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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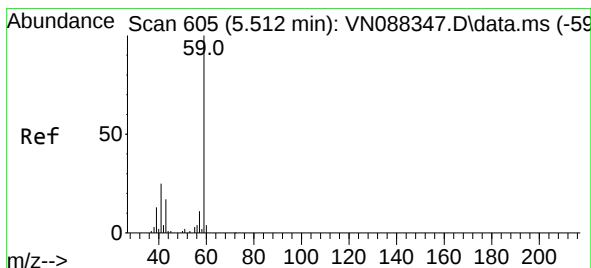
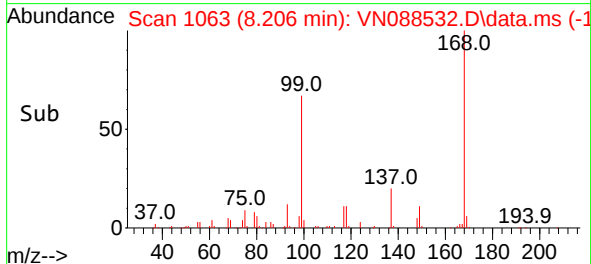
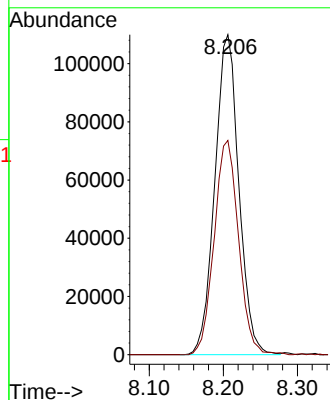
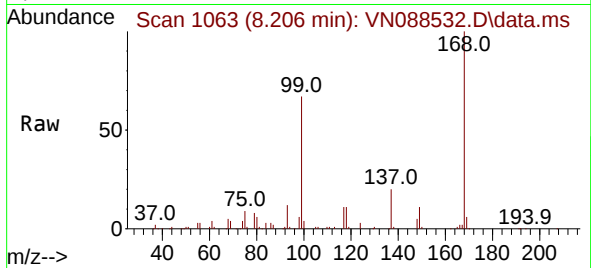




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088532.D
Acq: 16 Dec 2025 16:28

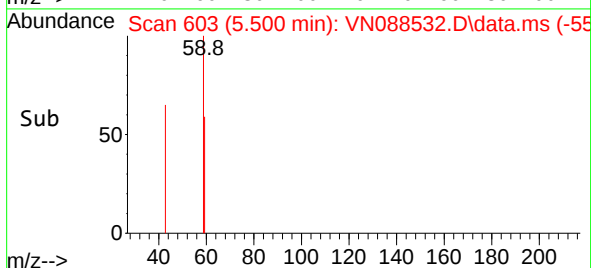
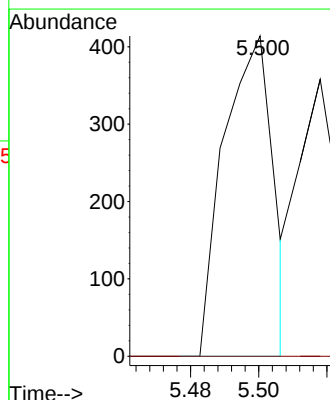
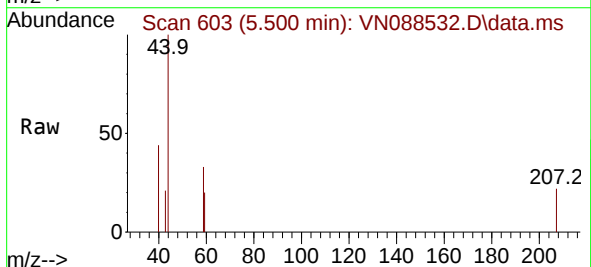
Instrument :
MSVOA_N
ClientSampleId :
TK 9&10 20"

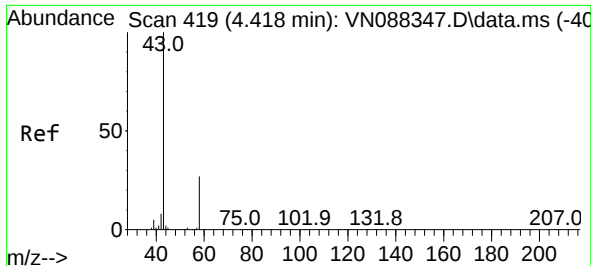
Tgt Ion:168 Resp: 247435
Ion Ratio Lower Upper
168 100
99 66.9 57.1 85.7



#11
Tert butyl alcohol
Concen: 0.563 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.012 min
Lab File: VN088532.D
Acq: 16 Dec 2025 16:28

Tgt Ion: 59 Resp: 419
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

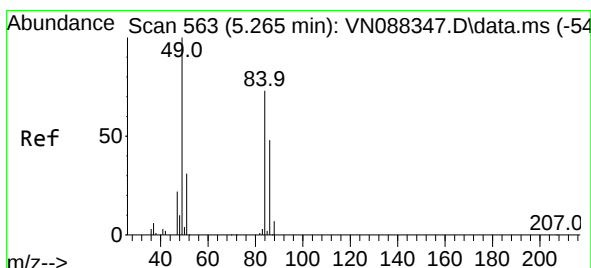
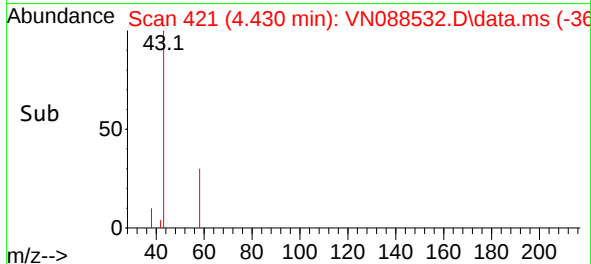
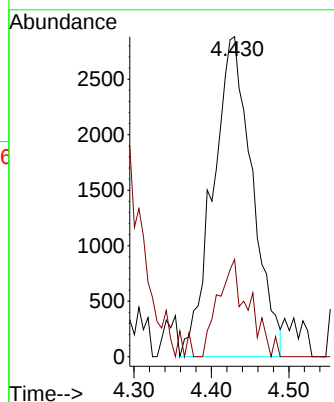
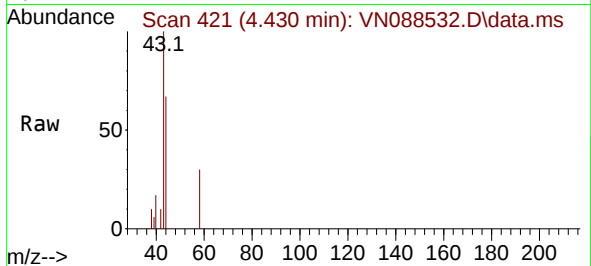




#16
Acetone
Concen: 6.012 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN088532.D
Acq: 16 Dec 2025 16:28

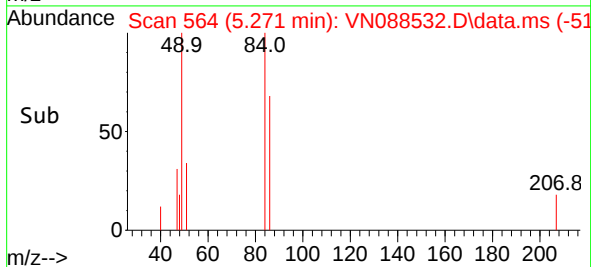
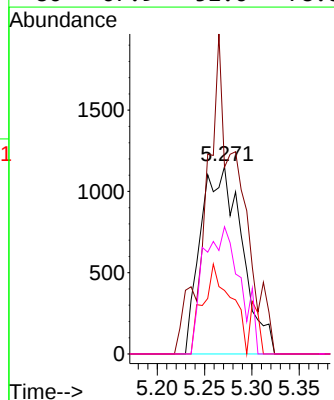
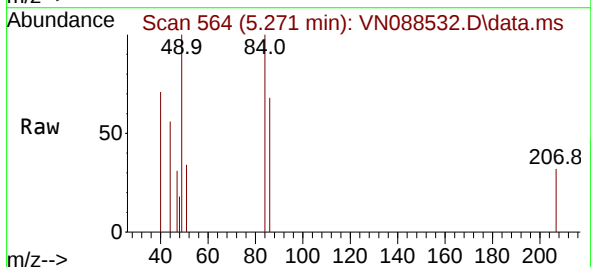
Instrument :
MSVOA_N
ClientSampleId :
TK 9&10 20"

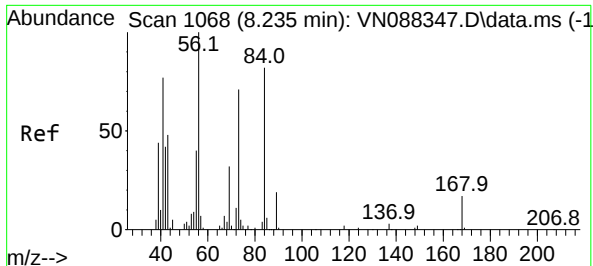
Tgt Ion: 43 Resp: 10135
Ion Ratio Lower Upper
43 100
58 30.4 21.7 32.5



#20
Methylene Chloride
Concen: 0.971 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN088532.D
Acq: 16 Dec 2025 16:28

Tgt Ion: 84 Resp: 3503
Ion Ratio Lower Upper
84 100
49 99.6 110.2 165.2#
51 33.9 34.1 51.1#
86 67.9 52.6 78.8

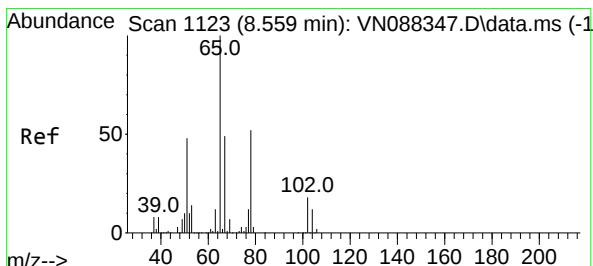
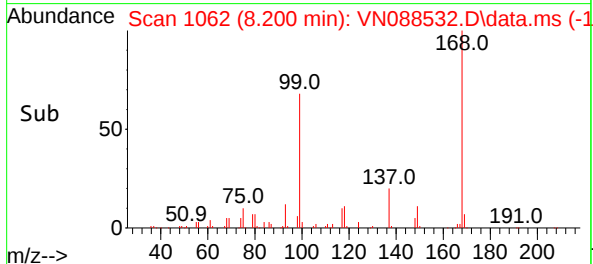
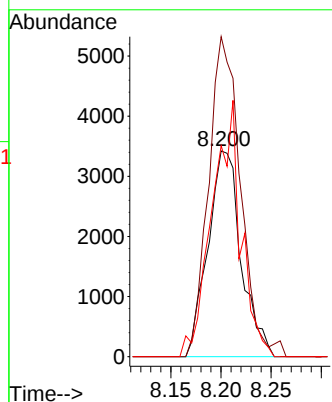
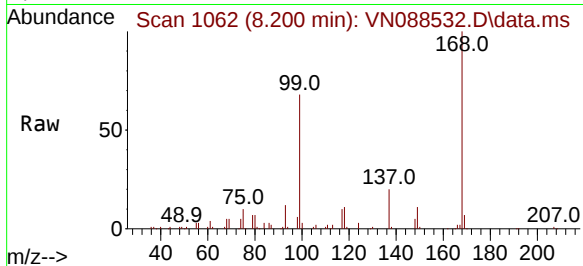




#31
Cyclohexane
Concen: 1.283 ug/l
RT: 8.200 min Scan# 1068
Delta R.T. -0.035 min
Lab File: VN088532.D
Acq: 16 Dec 2025 16:28

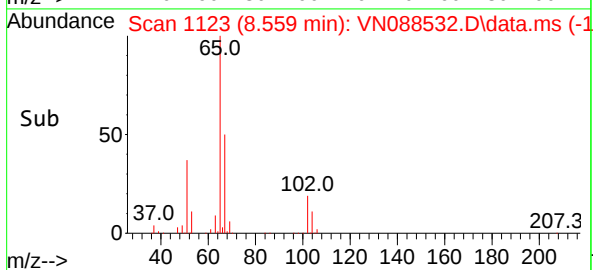
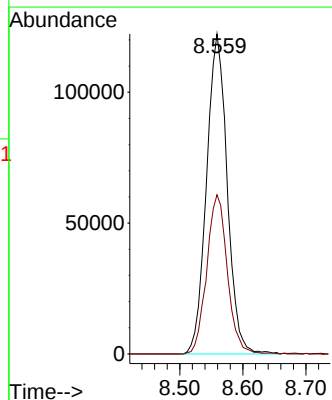
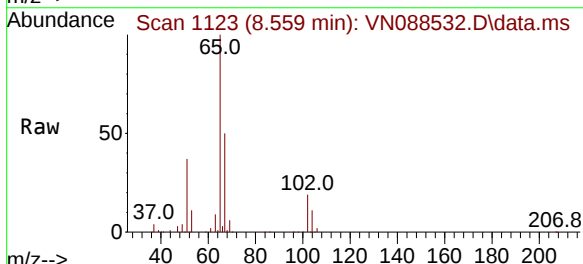
Instrument :
MSVOA_N
ClientSampleId :
TK 9&10 20"

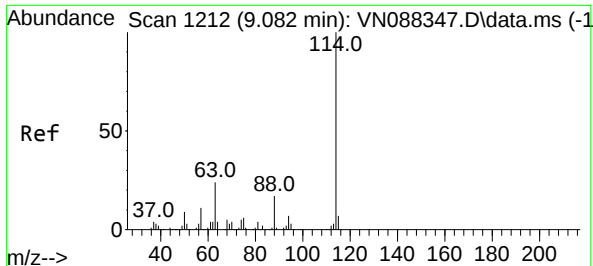
Tgt Ion: 56 Resp: 7865
Ion Ratio Lower Upper
56 100
69 155.5 25.3 37.9#
84 102.5 65.4 98.2#



#33
1,2-Dichloroethane-d4
Concen: 59.571 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088532.D
Acq: 16 Dec 2025 16:28

Tgt Ion: 65 Resp: 277671
Ion Ratio Lower Upper
65 100
67 49.5 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.077 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN088532.D

Acq: 16 Dec 2025 16:28

Instrument :

MSVOA_N

ClientSampleId :

TK 9&10 20"

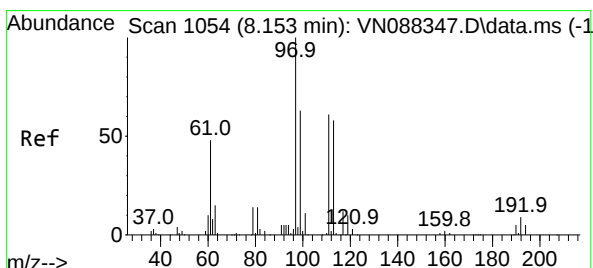
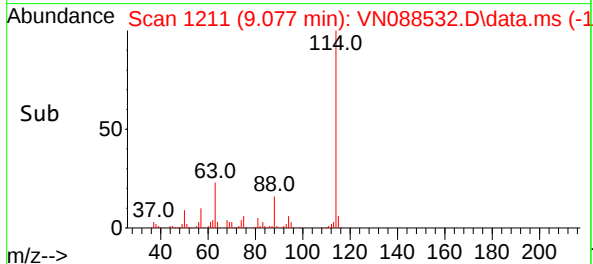
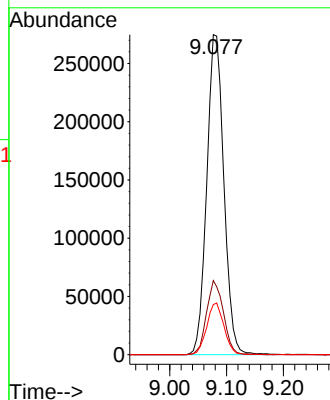
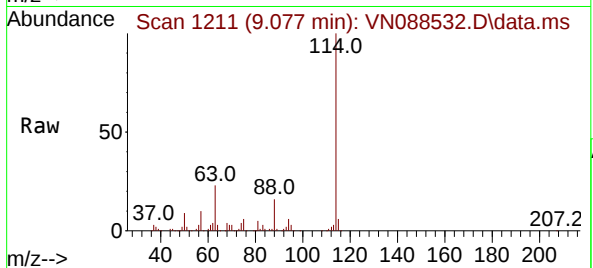
Tgt Ion:114 Resp: 574222

Ion Ratio Lower Upper

114 100

63 23.2 0.0 49.0

88 15.7 0.0 34.0



#35

Dibromofluoromethane

Concen: 53.058 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088532.D

Acq: 16 Dec 2025 16:28

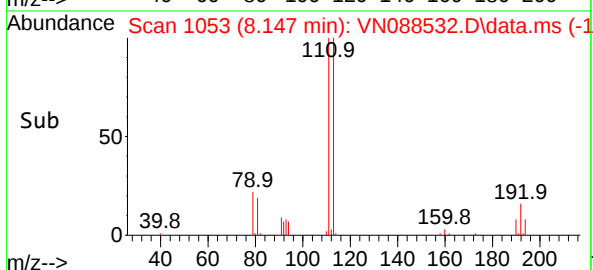
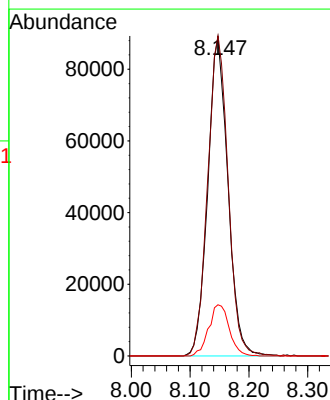
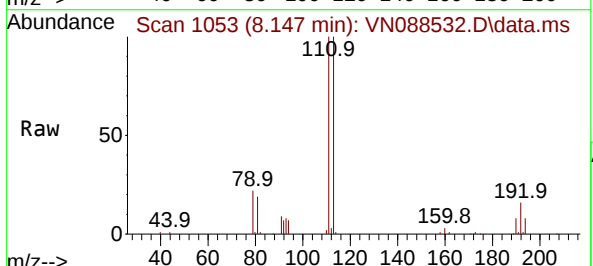
Tgt Ion:113 Resp: 211134

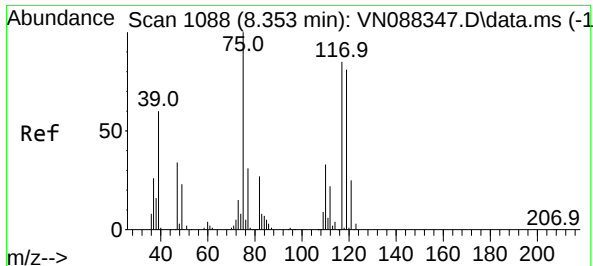
Ion Ratio Lower Upper

113 100

111 102.0 82.5 123.7

192 16.4 12.8 19.2





#36

1,1-Dichloropropene

Concen: 3.957 ug/l

RT: 8.200 min Scan# 1

Delta R.T. -0.153 min

Lab File: VN088532.D

Acq: 16 Dec 2025 16:28

Instrument :

MSVOA_N

ClientSampleId :

TK 9&10 20"

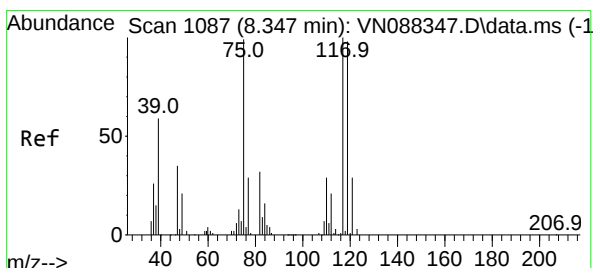
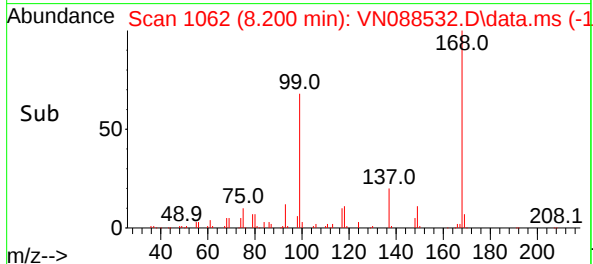
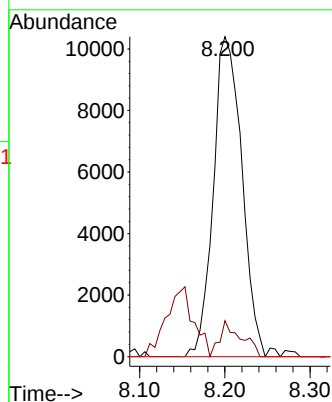
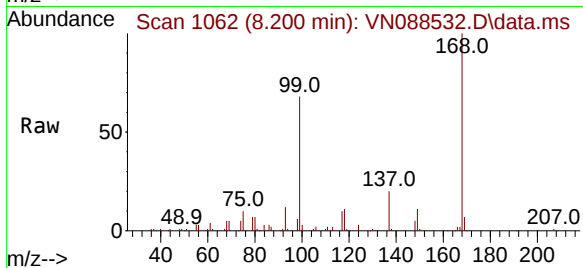
Tgt Ion: 75 Resp: 24304

Ion Ratio Lower Upper

75 100

110 8.3 15.8 47.4#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 4.468 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.141 min

Lab File: VN088532.D

Acq: 16 Dec 2025 16:28

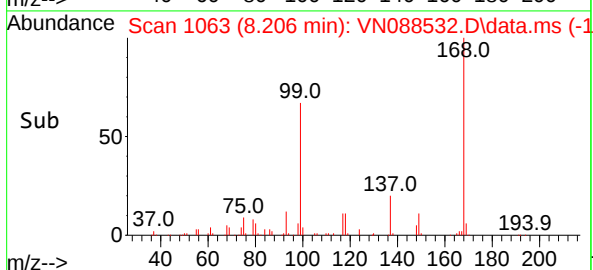
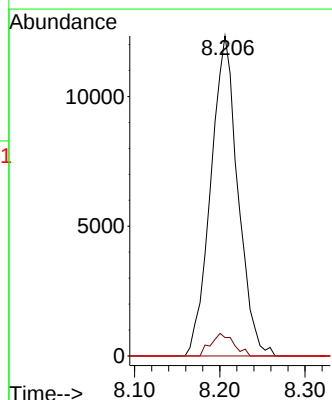
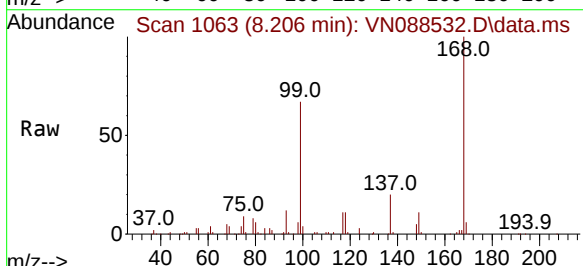
Tgt Ion: 117 Resp: 27317

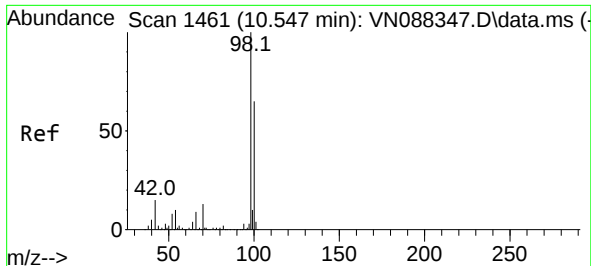
Ion Ratio Lower Upper

117 100

119 5.7 78.2 117.4#

121 0.0 23.4 35.2#

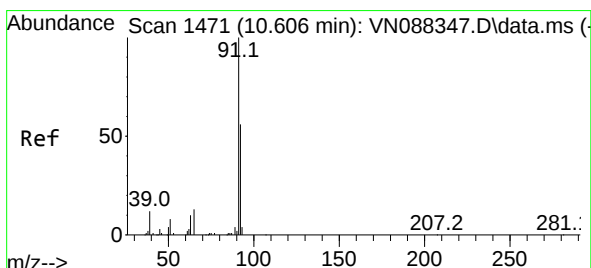
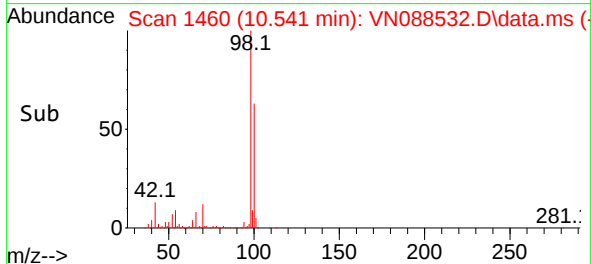
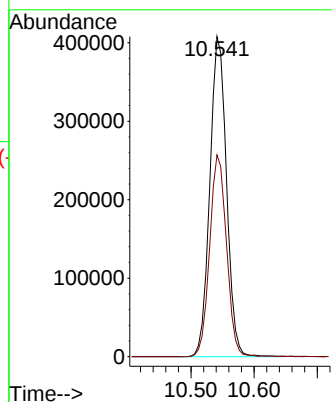
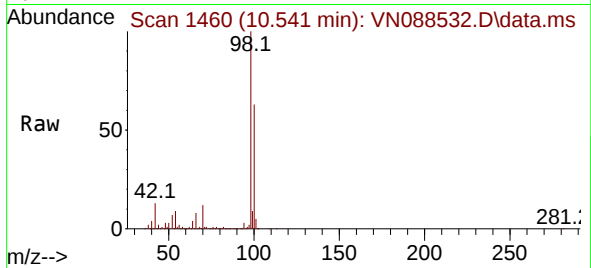




#50
Toluene-d8
Concen: 50.574 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088532.D
Acq: 16 Dec 2025 16:28

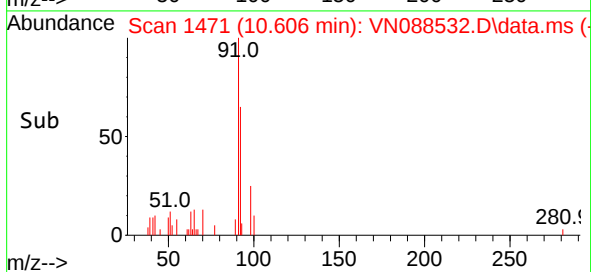
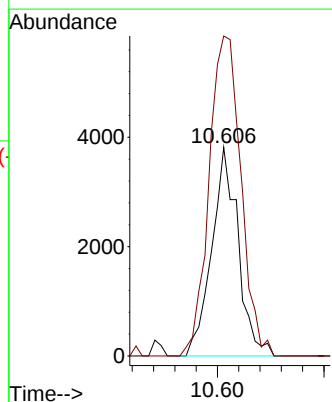
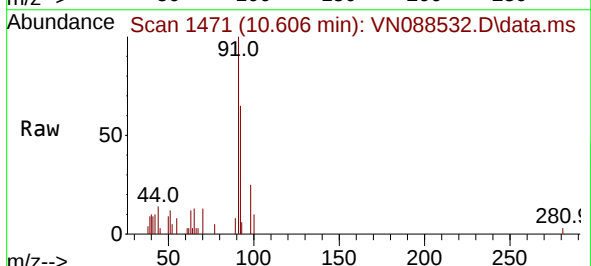
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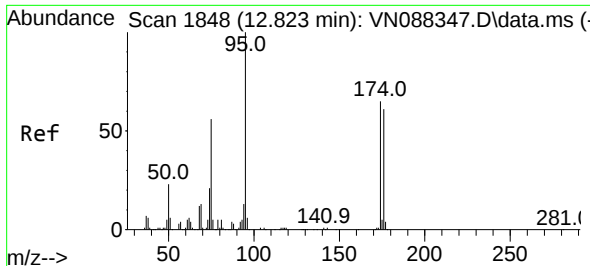
Tgt Ion: 98 Resp: 748811
Ion Ratio Lower Upper
98 100
100 63.6 52.2 78.2



#52
Toluene
Concen: 0.629 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088532.D
Acq: 16 Dec 2025 16:28

Tgt Ion: 92 Resp: 6550
Ion Ratio Lower Upper
92 100
91 185.5 140.2 210.2

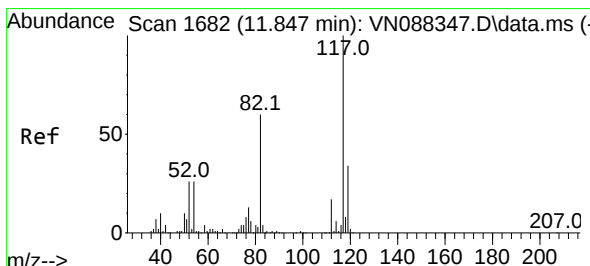
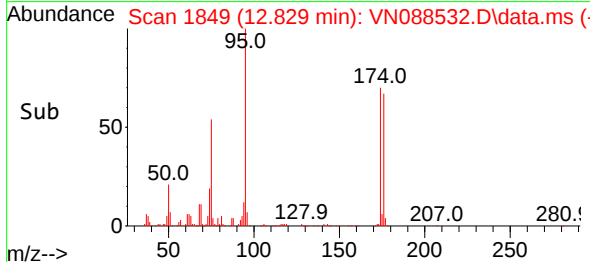
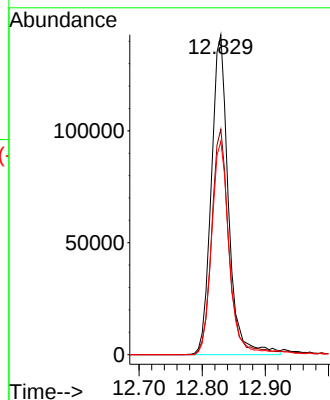
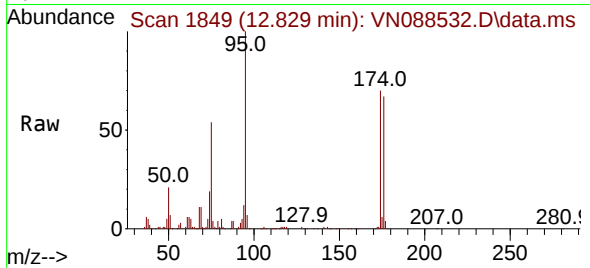




#62
4-Bromofluorobenzene
Concen: 52.950 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088532.D
Acq: 16 Dec 2025 16:28

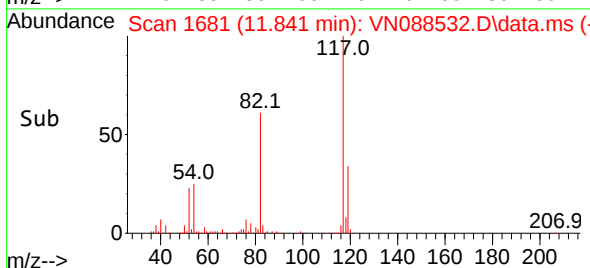
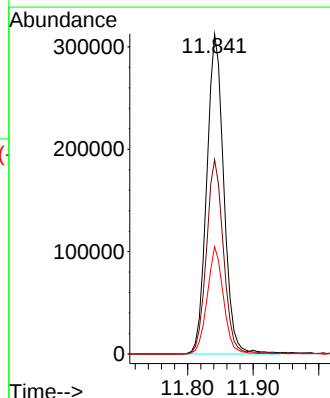
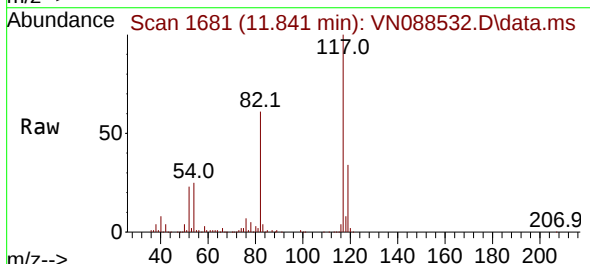
Instrument :
MSVOA_N
ClientSampleId :
TK 9&10 20"

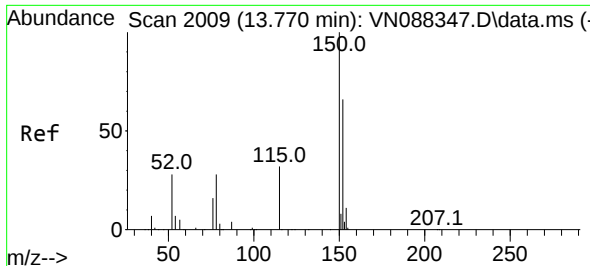
Tgt Ion: 95 Resp: 269001
Ion Ratio Lower Upper
95 100
174 70.8 0.0 139.0
176 68.2 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088532.D
Acq: 16 Dec 2025 16:28

Tgt Ion: 117 Resp: 565287
Ion Ratio Lower Upper
117 100
82 60.7 47.8 71.8
119 33.6 26.9 40.3

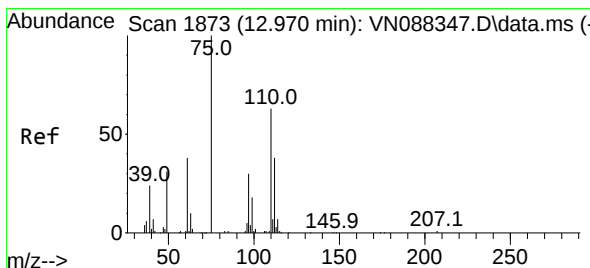
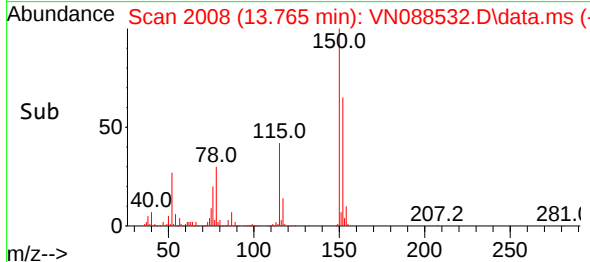
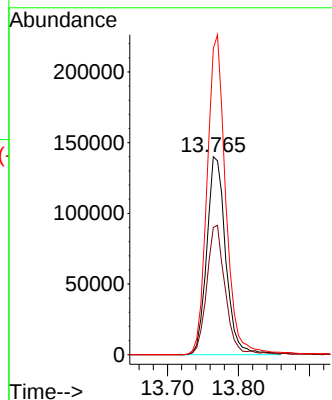
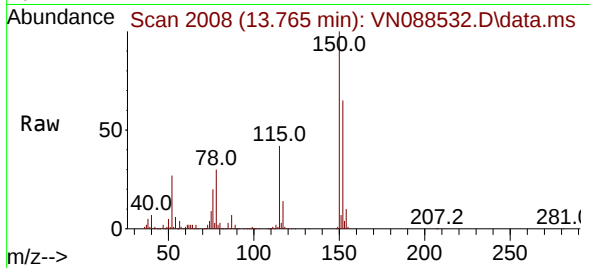




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.765 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN088532.D
 Acq: 16 Dec 2025 16:28

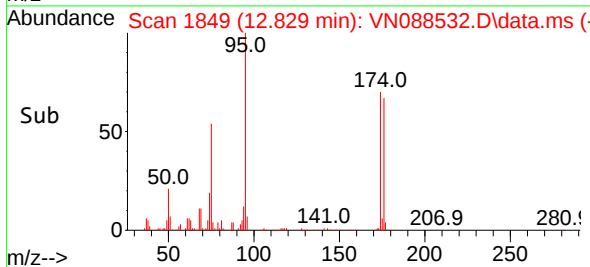
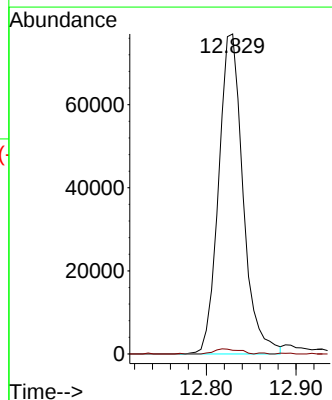
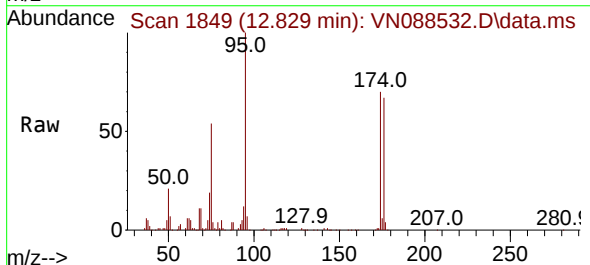
Instrument :
 MSVOA_N
 ClientSampleId :
 TK 9&10 20"

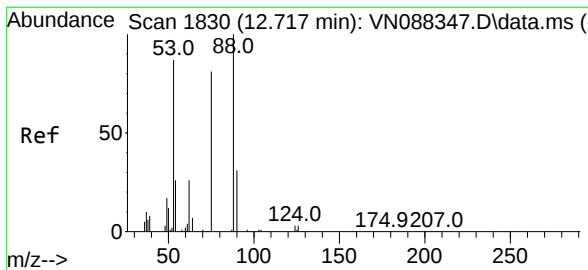
Tgt Ion:152 Resp: 259809
 Ion Ratio Lower Upper
 152 100
 115 64.0 33.0 98.9
 150 159.2 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 23.910 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN088532.D
 Acq: 16 Dec 2025 16:28

Tgt Ion: 75 Resp: 145496
 Ion Ratio Lower Upper
 75 100
 77 1.6 87.2 261.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.831 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN088532.D
 Acq: 16 Dec 2025 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 TK 9&10 20"

Tgt Ion: 75 Resp: 145496
 Ion Ratio Lower Upper
 75 100
 53 0.2 92.2 138.4#
 89 0.0 0.0 0.0

