

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
 Data File : VU063770.D
 Acq On : 21 Nov 2025 15:45
 Operator : MD/SY
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK061

Quant Time: Nov 21 22:32:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 21 22:28:08 2025
 Response via : Initial Calibration

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

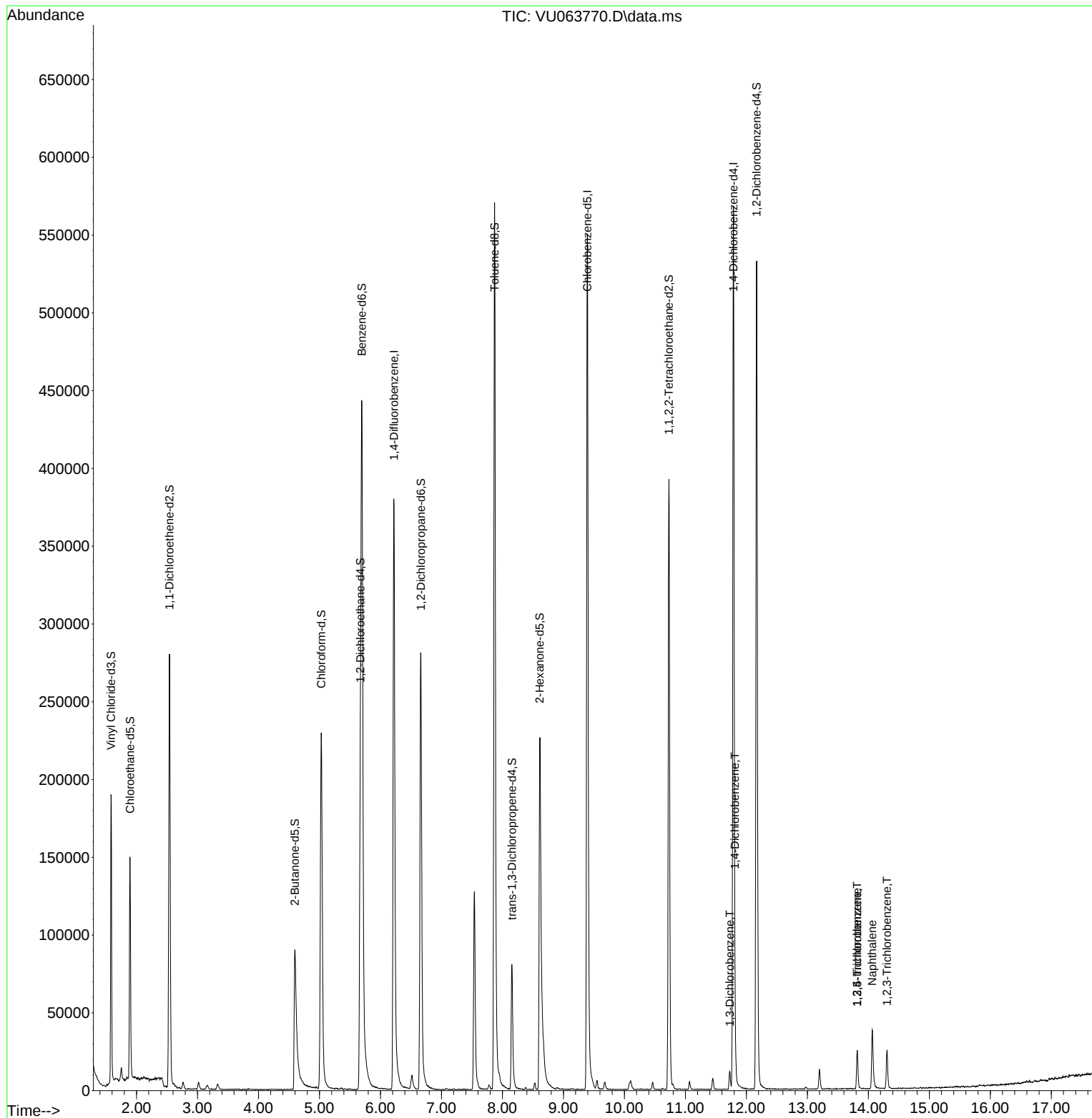
Internal Standards						
1) 1,4-Difluorobenzene	6.222	114	334003	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	319045	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	153167	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	121487	42.121	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.240%
7) Chloroethane-d5	1.894	69	100641	45.291	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.580%
11) 1,1-Dichloroethene-d2	2.541	63	168296	33.663	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.320%
21) 2-Butanone-d5	4.595	46	142967	86.948	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.950%
24) Chloroform-d	5.029	84	217698	44.986	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.980%
26) 1,2-Dichloroethane-d4	5.669	65	151185	47.511	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.020%
32) Benzene-d6	5.695	84	437929	46.828	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.660%
36) 1,2-Dichloropropane-d6	6.663	67	127994	46.621	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.240%
41) Toluene-d8	7.872	98	399604	45.004	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.000%
43) trans-1,3-Dichloroprop...	8.155	79	46704	41.166	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.340%
47) 2-Hexanone-d5	8.611	63	90867	91.033	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.030%
56) 1,1,2,2-Tetrachloroeth...	10.730	84	187125	46.608	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.220%
66) 1,2-Dichlorobenzene-d4	12.167	152	140110	48.457	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.920%
Target Compounds						
					Qvalue	
64) 1,3-Dichlorobenzene	11.727	146	4860	0.938	ug/L	87
65) 1,4-Dichlorobenzene	11.810	146	6317	1.191	ug/L	92
69) 1,3,5-Trichlorobenzene	13.817	180	7469	2.133	ug/L	96
70) 1,2,4-trichlorobenzene	13.817	180	7469	2.558	ug/L	96
71) Naphthalene	14.064	128	34202	4.402	ug/L	97
72) 1,2,3-Trichlorobenzene	14.306	180	8441	3.051	ug/L	94

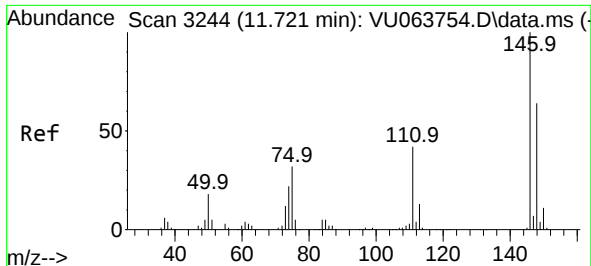
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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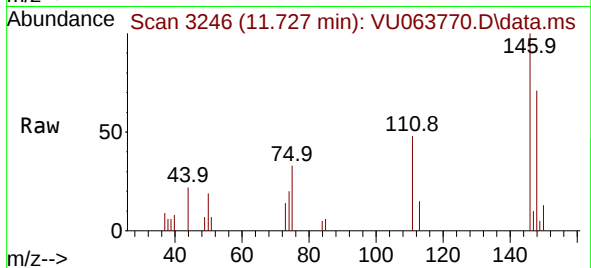
Quant Time: Nov 21 22:32:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 21 22:28:08 2025
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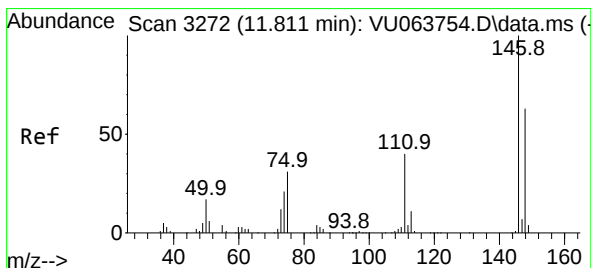
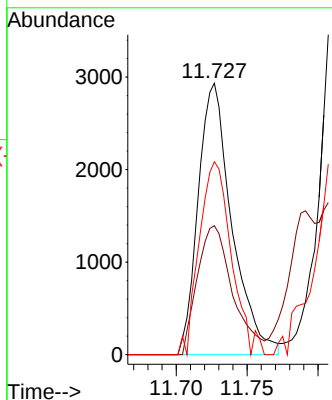
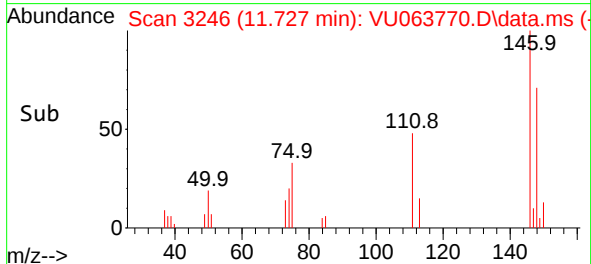


#64
1,3-Dichlorobenzene
Concen: 0.938 ug/L
RT: 11.727 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU063770.D
Acq: 21 Nov 2025 15:45

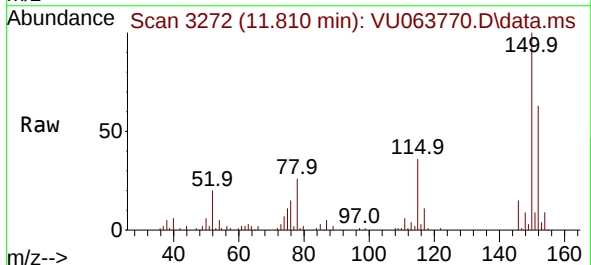
Instrument :
MSVOA_U
ClientSampleId :
VIBLK061



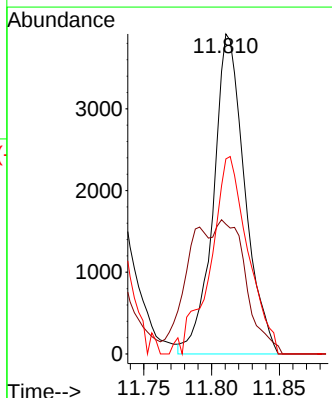
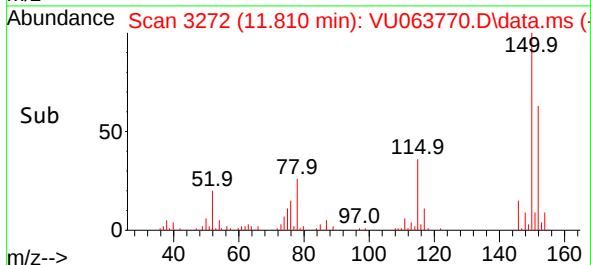
Tgt Ion:146 Resp: 4860
Ion Ratio Lower Upper
146 100
111 47.5 29.8 55.3
148 76.4 44.4 82.4

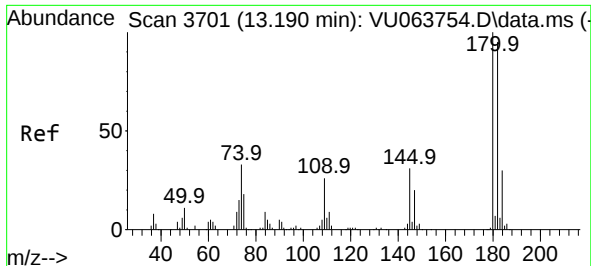


#65
1,4-Dichlorobenzene
Concen: 1.191 ug/L
RT: 11.810 min Scan# 3272
Delta R.T. -0.000 min
Lab File: VU063770.D
Acq: 21 Nov 2025 15:45



Tgt Ion:146 Resp: 6317
Ion Ratio Lower Upper
146 100
111 37.6 28.8 53.4
148 56.5 44.9 83.3

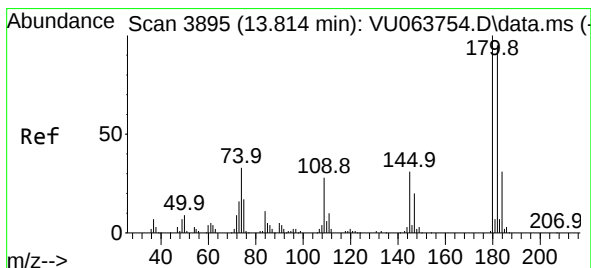
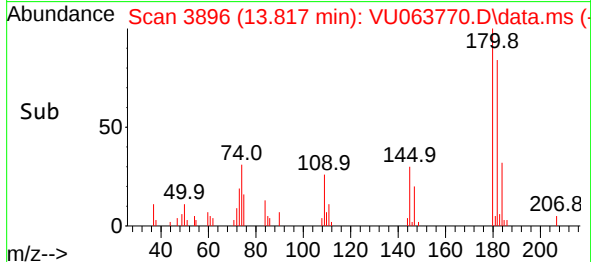
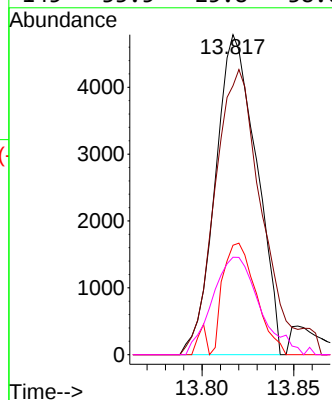
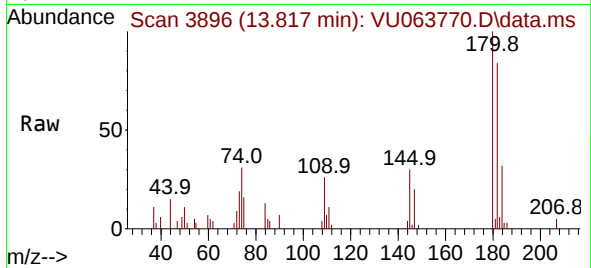




#69
 1,3,5-Trichlorobenzene
 Concen: 2.133 ug/L
 RT: 13.817 min Scan# 3896
 Delta R.T. 0.627 min
 Lab File: VU063770.D
 Acq: 21 Nov 2025 15:45

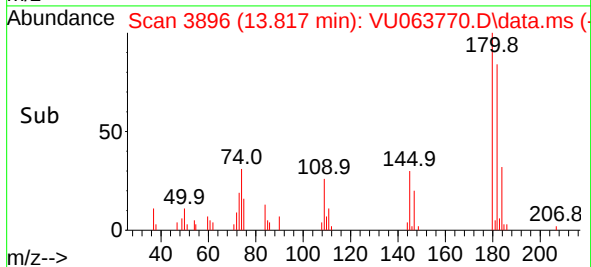
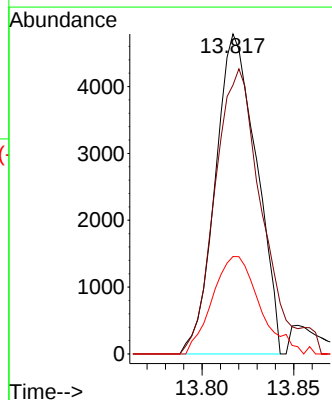
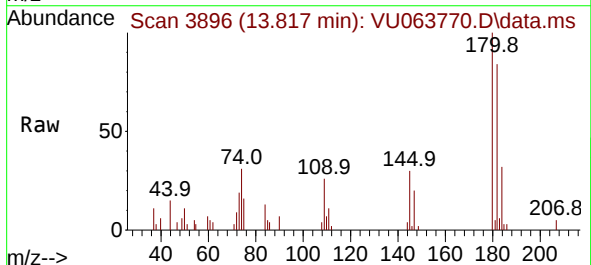
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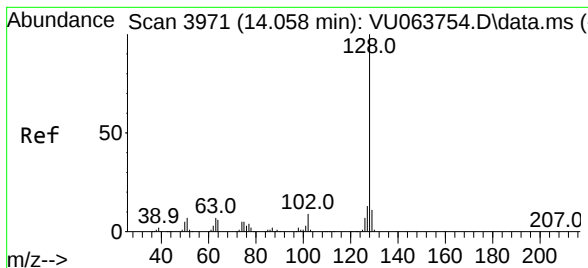
Tgt Ion:	180	Resp:	7469
Ion Ratio	Lower	Upper	
180	100		
182	99.3	76.4	114.6
184	28.0	24.4	36.6
145	33.5	25.8	38.6



#70
 1,2,4-trichlorobenzene
 Concen: 2.558 ug/L
 RT: 13.817 min Scan# 3896
 Delta R.T. 0.003 min
 Lab File: VU063770.D
 Acq: 21 Nov 2025 15:45

Tgt Ion:	180	Resp:	7469
Ion Ratio	Lower	Upper	
180	100		
182	99.3	75.8	113.8
145	33.5	25.7	38.5





#71

Naphthalene

Concen: 4.402 ug/L

RT: 14.064 min Scan# 3971

Delta R.T. 0.006 min

Lab File: VU063770.D

Acq: 21 Nov 2025 15:45

Instrument :

MSVOA_U

ClientSampleId :

VIBLK061

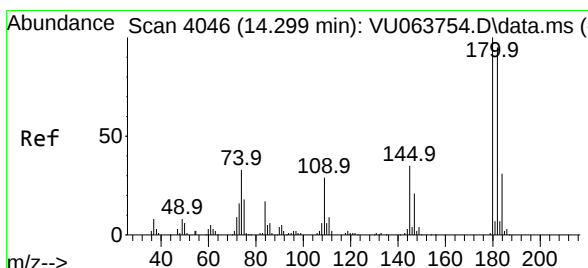
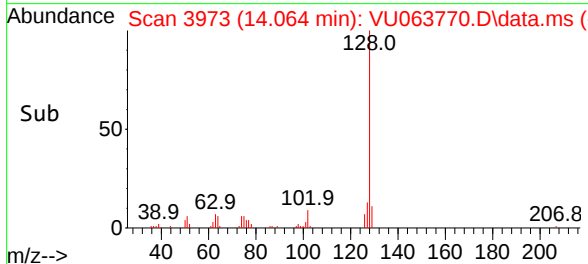
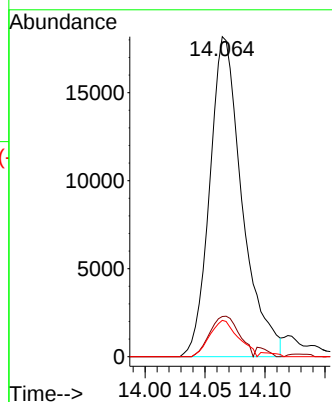
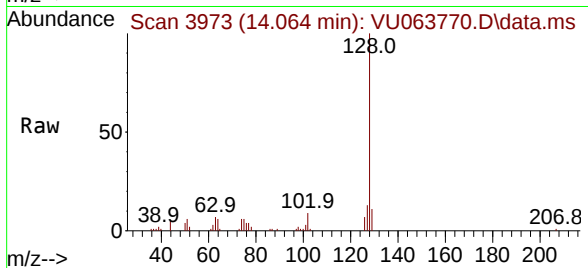
Tgt Ion:128 Resp: 34202

Ion Ratio Lower Upper

128 100

127 11.4 10.3 15.5

129 10.0 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 3.051 ug/L

RT: 14.306 min Scan# 4048

Delta R.T. 0.006 min

Lab File: VU063770.D

Acq: 21 Nov 2025 15:45

Tgt Ion:180 Resp: 8441

Ion Ratio Lower Upper

180 100

182 91.0 76.9 115.3

145 28.9 26.6 39.8

