

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
 Data File : VU063755.D
 Acq On : 21 Nov 2025 09:11
 Operator : MD/SY
 Sample : VU1121MBL01
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 22:28:45 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)

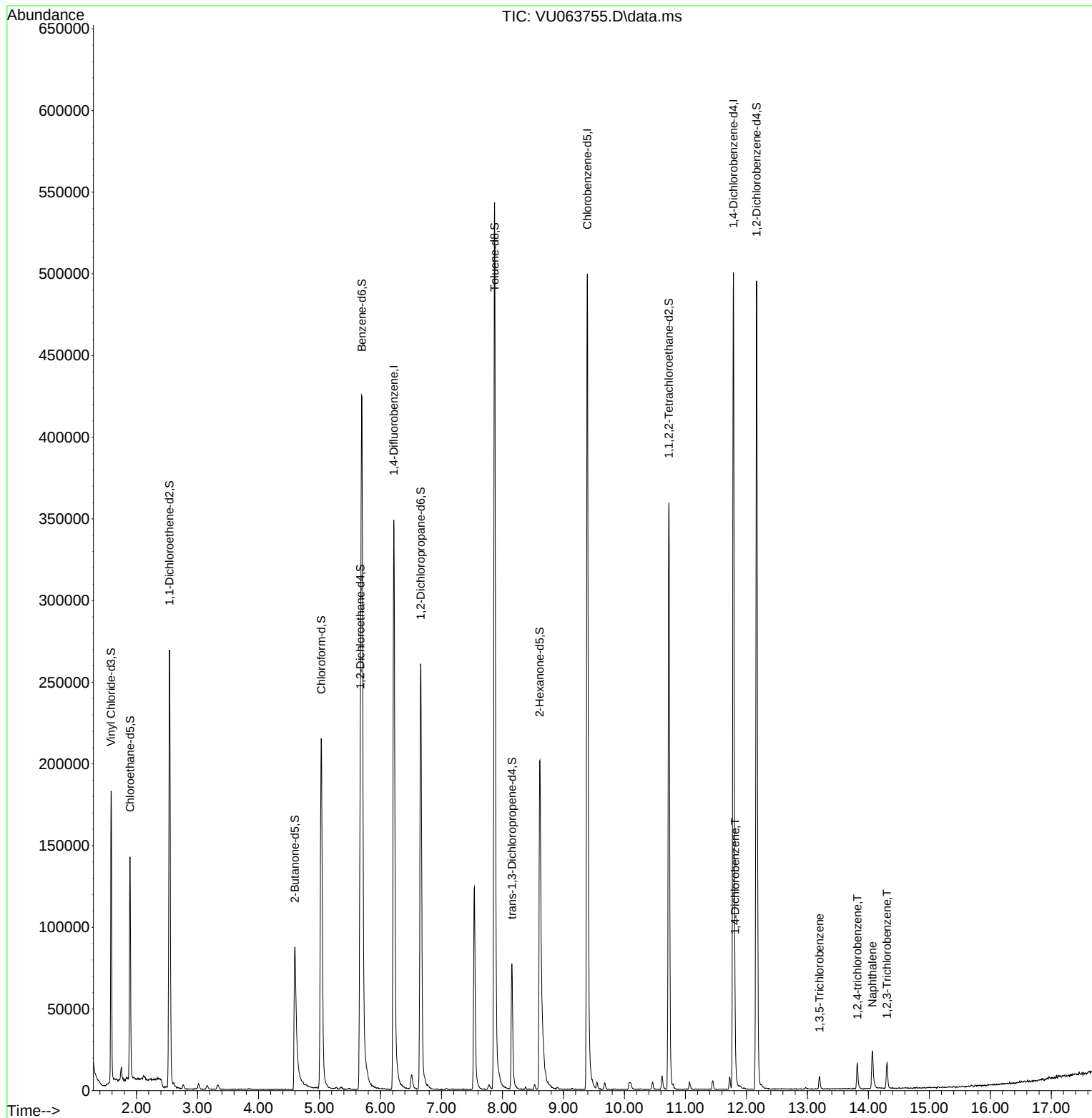
Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	306381	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	287619	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	137446	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	117451	44.393	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.780%
7) Chloroethane-d5	1.895	69	98188	48.171	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.340%
11) 1,1-Dichloroethene-d2	2.541	63	161855	35.293	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.580%
21) 2-Butanone-d5	4.595	46	140353	93.053	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.050%
24) Chloroform-d	5.029	84	206629	46.548	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.100%
26) 1,2-Dichloroethane-d4	5.669	65	138473	47.439	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.880%
32) Benzene-d6	5.695	84	412497	48.928	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.860%
36) 1,2-Dichloropropane-d6	6.660	67	121326	49.021	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.040%
41) Toluene-d8	7.872	98	379065	47.356	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.720%
43) trans-1,3-Dichloroprop...	8.155	79	43721	42.747	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.500%
47) 2-Hexanone-d5	8.611	63	81795	90.898	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.900%
56) 1,1,2,2-Tetrachloroeth...	10.730	84	169400	46.804	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.600%
66) 1,2-Dichlorobenzene-d4	12.167	152	129862	50.050	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.100%
Target Compounds						
					Qvalue	
65) 1,4-Dichlorobenzene	11.814	146	4421	0.929	ug/L	93
69) 1,3,5-Trichlorobenzene	13.200	180	3156	1.005	ug/L	94
70) 1,2,4-trichlorobenzene	13.820	180	5363	2.047	ug/L #	92
71) Naphthalene	14.068	128	22464	3.222	ug/L #	95
72) 1,2,3-Trichlorobenzene	14.306	180	5578	2.246	ug/L	90

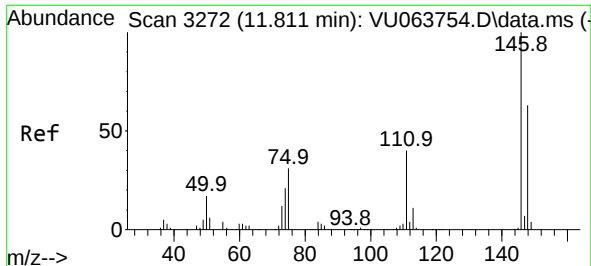
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Nov 21 22:28:45 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

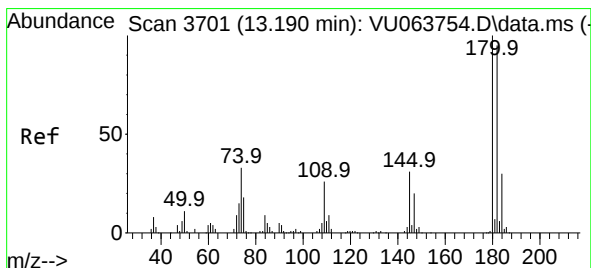
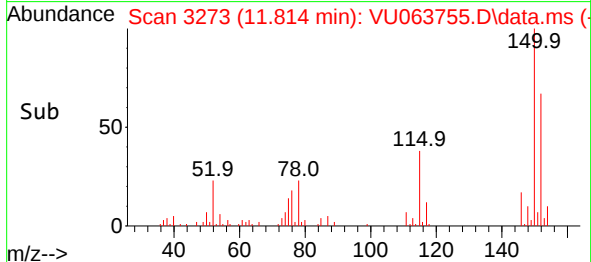
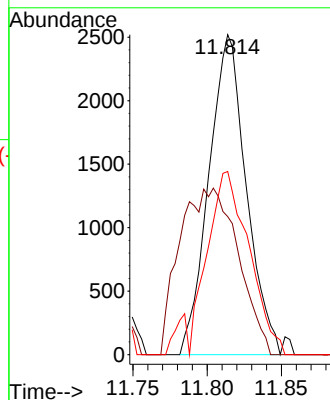
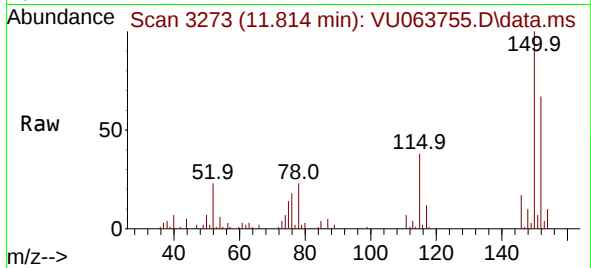




#65
1,4-Dichlorobenzene
Concen: 0.929 ug/L
RT: 11.814 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU063755.D
Acq: 21 Nov 2025 09:11

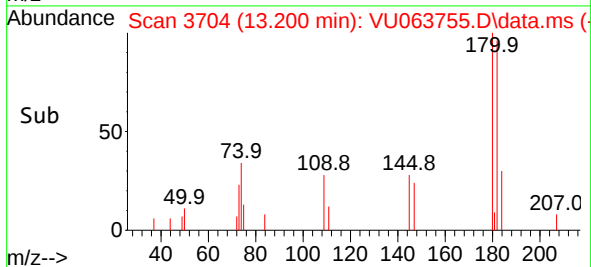
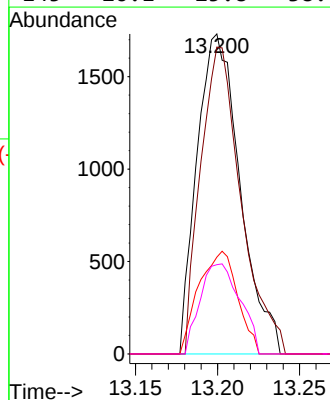
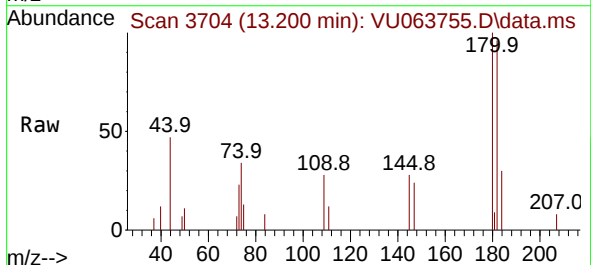
Instrument :
MSVOA_U
ClientSampleId :

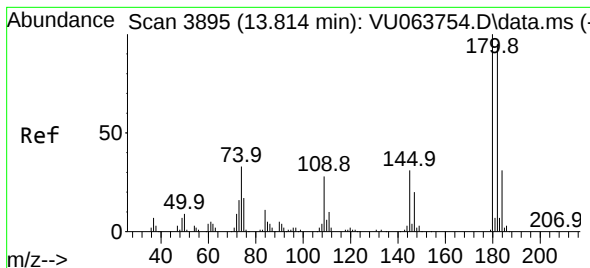
Tgt Ion:146 Resp: 4421
Ion Ratio Lower Upper
146 100
111 43.1 28.8 53.4
148 57.2 44.9 83.3



#69
1,3,5-Trichlorobenzene
Concen: 1.005 ug/L
RT: 13.200 min Scan# 3704
Delta R.T. 0.010 min
Lab File: VU063755.D
Acq: 21 Nov 2025 09:11

Tgt Ion:180 Resp: 3156
Ion Ratio Lower Upper
180 100
182 90.1 76.4 114.6
184 29.0 24.4 36.6
145 26.1 25.8 38.6





#70

1,2,4-trichlorobenzene

Concen: 2.047 ug/L

RT: 13.820 min Scan# 3897

Delta R.T. 0.006 min

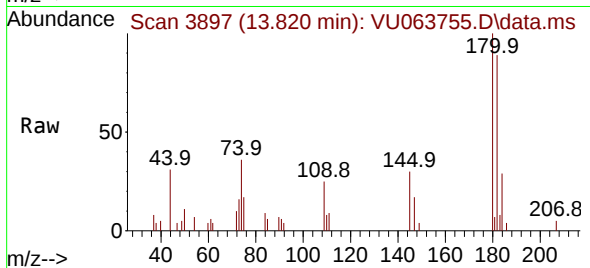
Lab File: VU063755.D

Acq: 21 Nov 2025 09:11

Instrument :

MSVOA_U

ClientSampleId :



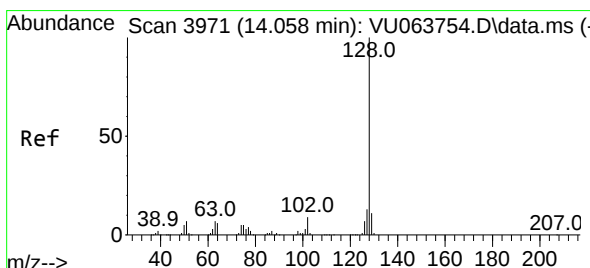
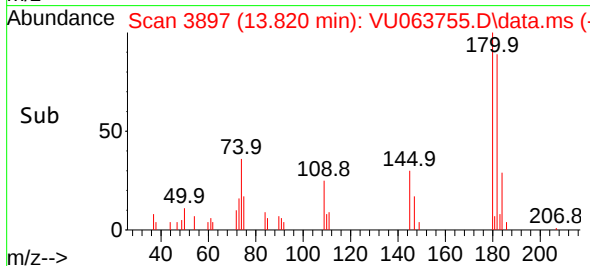
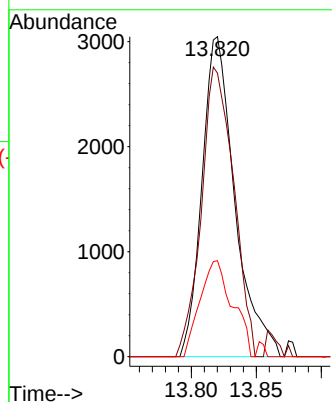
Tgt Ion:180 Resp: 5363

Ion Ratio Lower Upper

180 100

182 88.6 75.8 113.8

145 25.6 25.7 38.5#



#71

Naphthalene

Concen: 3.222 ug/L

RT: 14.068 min Scan# 3974

Delta R.T. 0.010 min

Lab File: VU063755.D

Acq: 21 Nov 2025 09:11

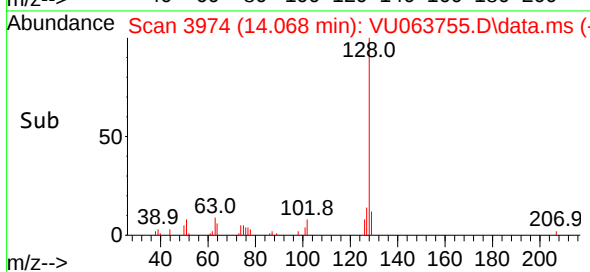
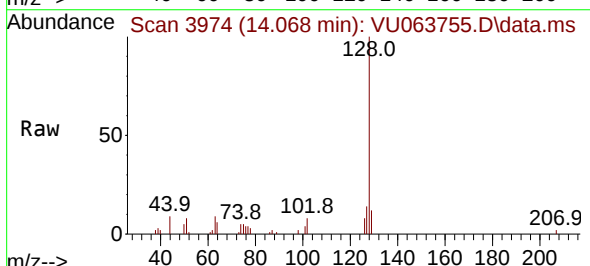
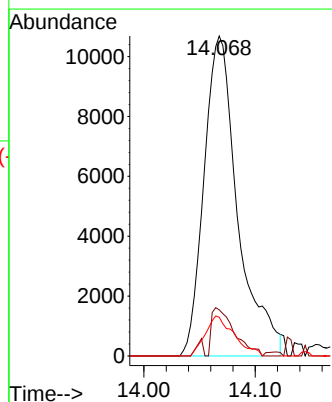
Tgt Ion:128 Resp: 22464

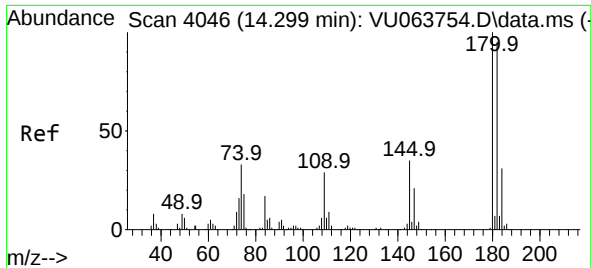
Ion Ratio Lower Upper

128 100

127 9.7 10.3 15.5#

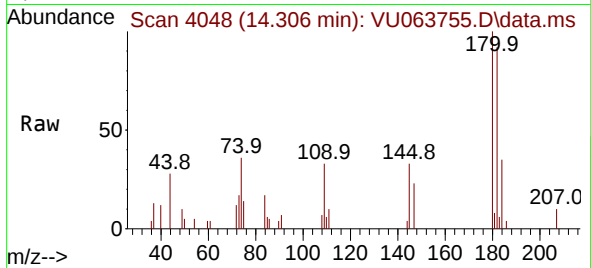
129 10.7 8.7 13.1





#72
1,2,3-Trichlorobenzene
Concen: 2.246 ug/L
RT: 14.306 min Scan# 4048
Delta R.T. 0.006 min
Lab File: VU063755.D
Acq: 21 Nov 2025 09:11

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	84.2	76.9	115.3
145	30.4	26.6	39.8

