

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013025\
 Data File : VU063105.D
 Acq On : 30 Jan 2025 18:00
 Operator : MD/SY
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 31 07:54:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM013025WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 31 07:44:25 2025
 Response via : Initial Calibration

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

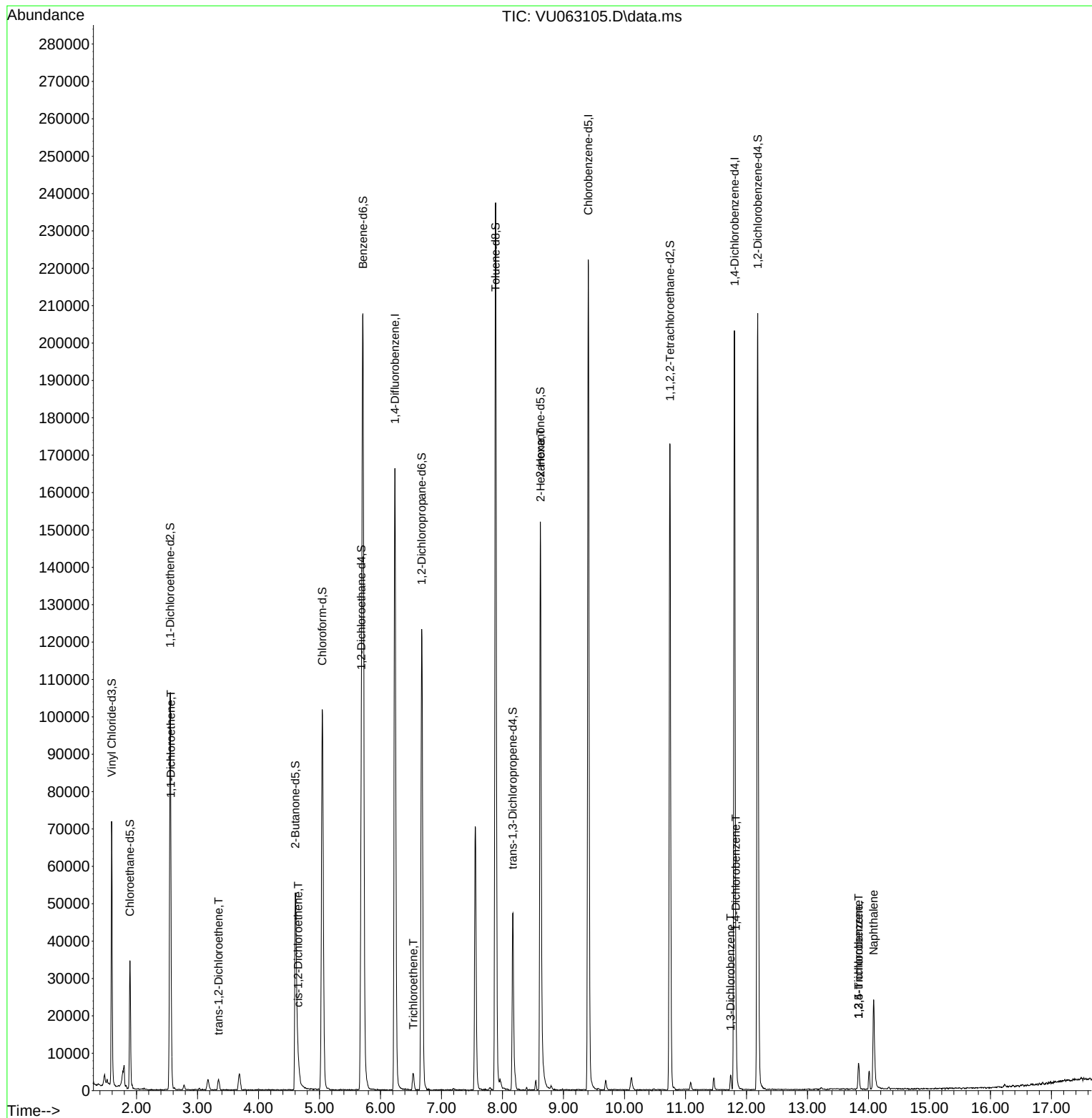
Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	142762	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.405	117	127641	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	56854	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	51231	49.256	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	98.520%		
7) Chloroethane-d5	1.891	69	28165	49.574	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	99.140%		
11) 1,1-Dichloroethene-d2	2.554	63	62191	34.226	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	68.460%		
21) 2-Butanone-d5	4.605	46	78389	116.772	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	116.770%		
24) Chloroform-d	5.045	84	101205	52.862	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	105.720%		
26) 1,2-Dichloroethane-d4	5.685	65	60249	55.325	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	110.660%		
32) Benzene-d6	5.711	84	204119	53.695	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	107.400%		
36) 1,2-Dichloropropane-d6	6.676	67	64532	51.878	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	103.760%		
41) Toluene-d8	7.888	98	165846	48.186	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.380%		
43) trans-1,3-Dichloroprop...	8.168	79	28775	50.282	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	100.560%		
47) 2-Hexanone-d5	8.621	63	57836	108.479	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	108.480%		
56) 1,1,2,2-Tetrachloroeth...	10.746	84	93488	51.243	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	102.480%		
66) 1,2-Dichlorobenzene-d4	12.183	152	57519	52.531	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.060%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.563	96	1308	1.344	ug/L #	1
17) trans-1,2-Dichloroethene	3.345	96	1474	1.481	ug/L	87
20) cis-1,2-Dichloroethene	4.650	96	1327	1.175	ug/L	94
34) Trichloroethene	6.537	95	1774	1.599	ug/L	90
48) 2-Hexanone	8.624	43	5518	5.387	ug/L #	67
64) 1,3-Dichlorobenzene	11.740	146	2094	1.127	ug/L	93
65) 1,4-Dichlorobenzene	11.827	146	3712	1.927	ug/L	97
69) 1,3,5-Trichlorobenzene	13.839	180	2963	2.369	ug/L	97
70) 1,2,4-trichlorobenzene	13.839	180	2963	2.753	ug/L	95
71) Naphthalene	14.084	128	26428	7.917	ug/L	97

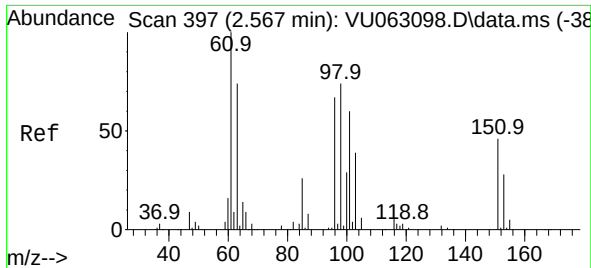
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Jan 31 07:44:25 2025
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 1.344 ug/L

RT: 2.563 min Scan# 397

Delta R.T. -0.003 min

Lab File: VU063105.D

Acq: 30 Jan 2025 18:00

Instrument :

MSVOA_U

ClientSampleId :

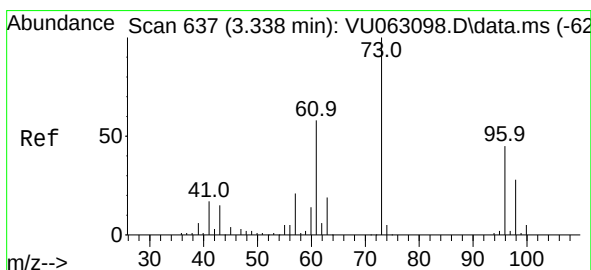
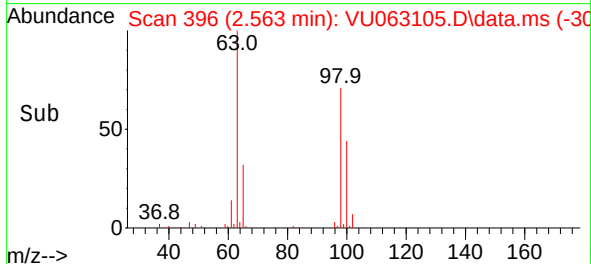
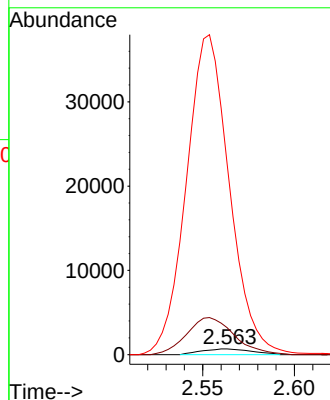
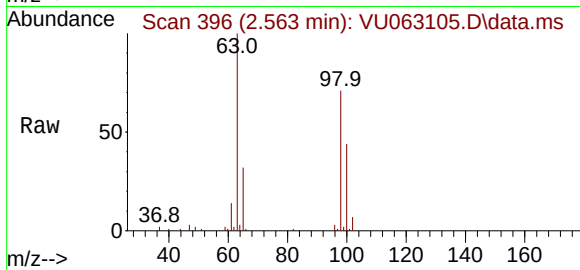
Tgt Ion: 96 Resp: 1308

Ion Ratio Lower Upper

96 100

61 464.5 104.2 193.4#

63 3283.4 81.5 151.5#



#17

trans-1,2-Dichloroethene

Concen: 1.481 ug/L

RT: 3.345 min Scan# 639

Delta R.T. 0.006 min

Lab File: VU063105.D

Acq: 30 Jan 2025 18:00

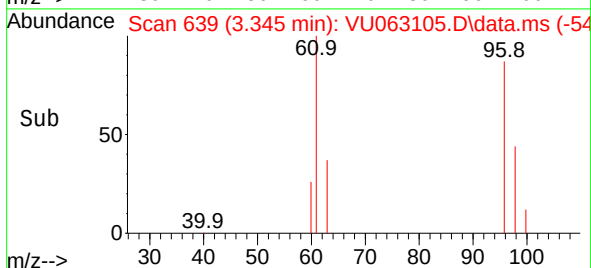
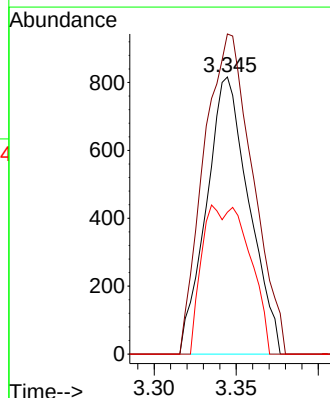
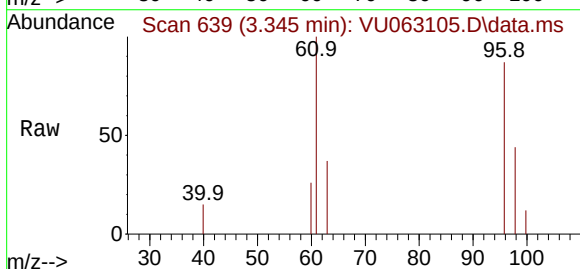
Tgt Ion: 96 Resp: 1474

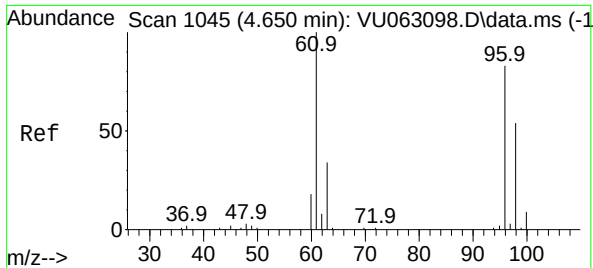
Ion Ratio Lower Upper

96 100

61 115.6 91.1 169.3

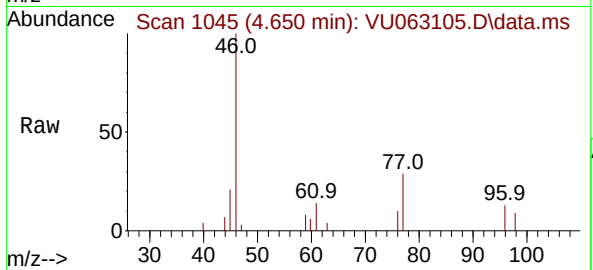
98 51.2 44.0 81.8



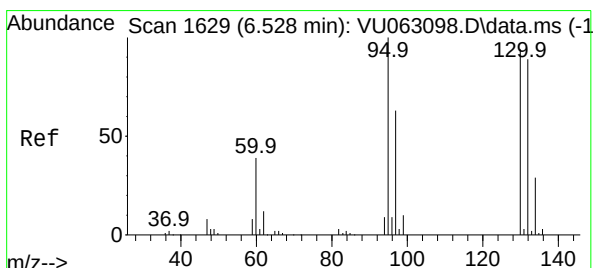
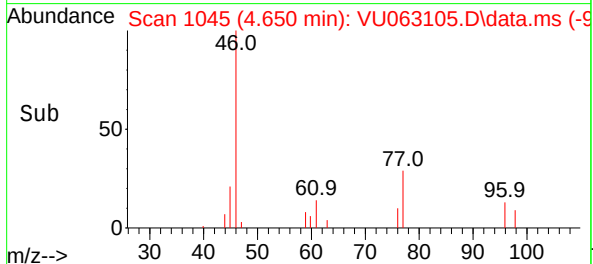
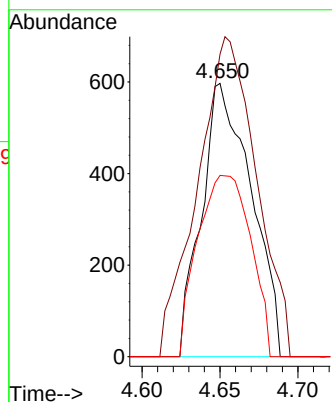


#20
cis-1,2-Dichloroethene
Concen: 1.175 ug/L
RT: 4.650 min Scan# 1045
Delta R.T. -0.000 min
Lab File: VU063105.D
Acq: 30 Jan 2025 18:00

Instrument :
MSVOA_U
ClientSampleId :

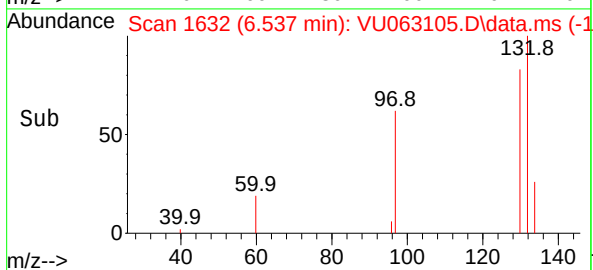
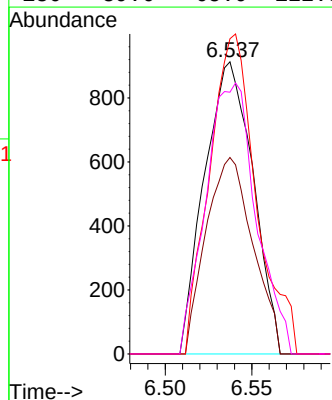
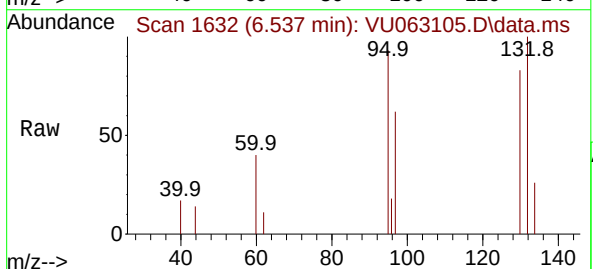


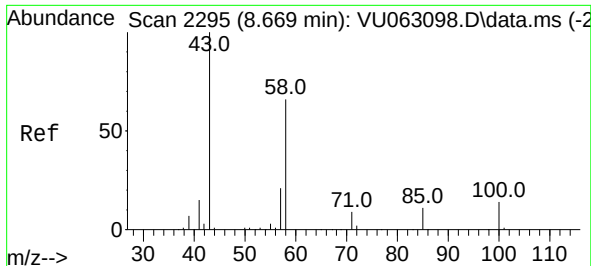
Tgt Ion: 96	Resp: 1327		
Ion Ratio	Lower	Upper	
96	100		
61	110.7	84.4	156.8
98	66.3	46.0	85.4



#34
Trichloroethene
Concen: 1.599 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. 0.009 min
Lab File: VU063105.D
Acq: 30 Jan 2025 18:00

Tgt Ion: 95	Resp: 1774
Ion Ratio	Lower Upper
95 100	
97 67.3	44.3 82.3
132 107.9	62.4 116.0
130 89.6	65.9 122.3





#48

2-Hexanone

Concen: 5.387 ug/L

RT: 8.624 min Scan# 21

Delta R.T. -0.045 min

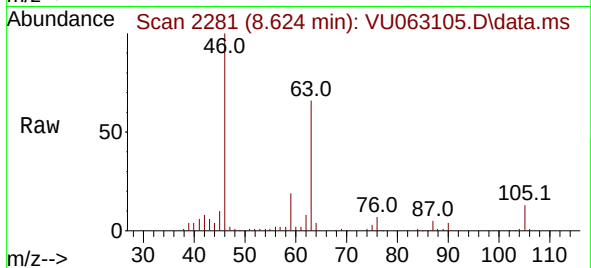
Lab File: VU063105.D

Acq: 30 Jan 2025 18:00

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 5518

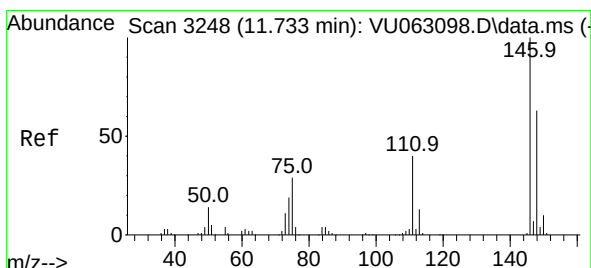
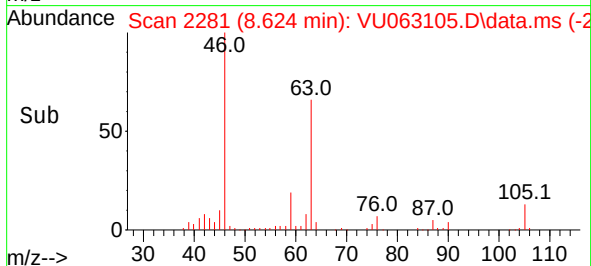
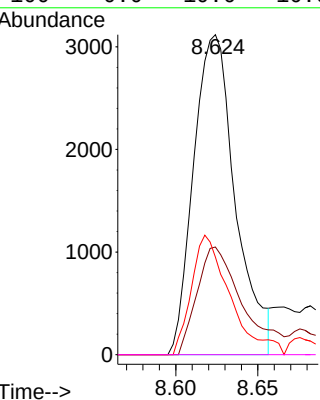
Ion Ratio Lower Upper

43 100

58 36.7 52.6 78.8#

57 33.0 17.9 26.9#

100 0.0 10.6 16.0#



#64

1,3-Dichlorobenzene

Concen: 1.127 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.006 min

Lab File: VU063105.D

Acq: 30 Jan 2025 18:00

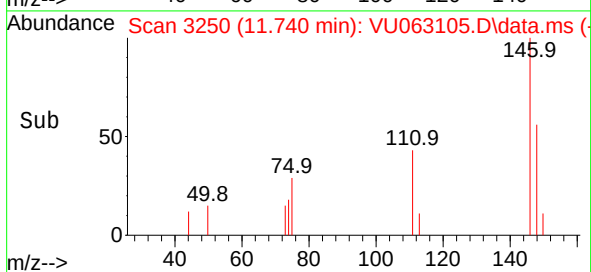
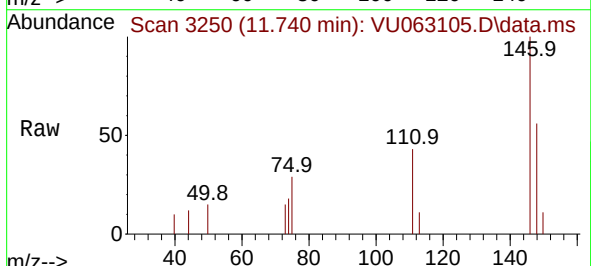
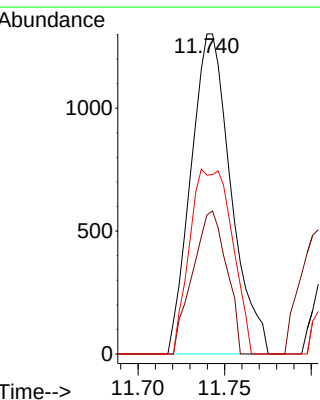
Tgt Ion:146 Resp: 2094

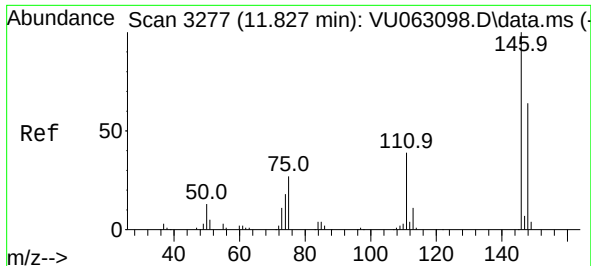
Ion Ratio Lower Upper

146 100

111 43.4 28.1 52.3

148 55.9 43.9 81.5





#65

1,4-Dichlorobenzene

Concen: 1.927 ug/L

RT: 11.827 min Scan# 31

Delta R.T. -0.000 min

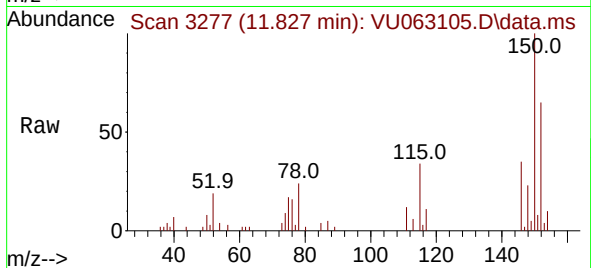
Lab File: VU063105.D

Acq: 30 Jan 2025 18:00

Instrument :

MSVOA_U

ClientSampleId :



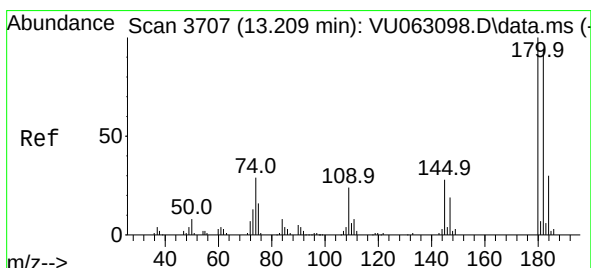
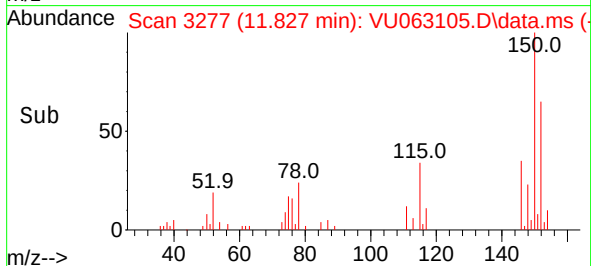
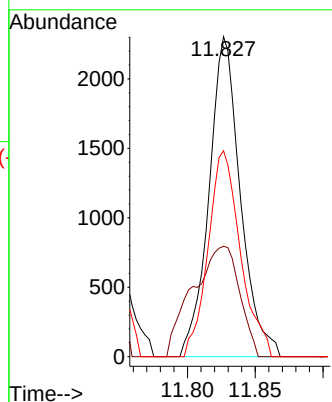
Tgt Ion:146 Resp: 3712

Ion Ratio Lower Upper

146 100

111 34.5 27.2 50.6

148 64.4 44.9 83.5



#69

1,3,5-Trichlorobenzene

Concen: 2.369 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.630 min

Lab File: VU063105.D

Acq: 30 Jan 2025 18:00

Tgt Ion:180 Resp: 2963

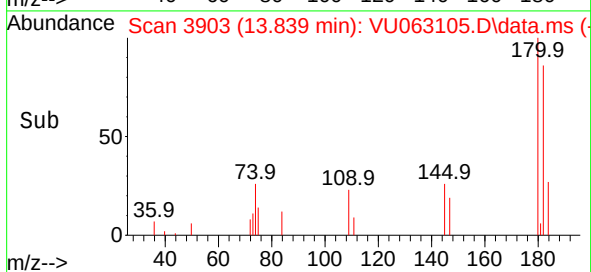
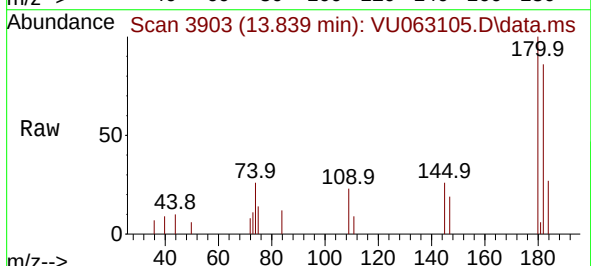
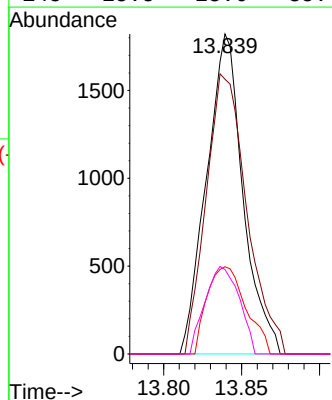
Ion Ratio Lower Upper

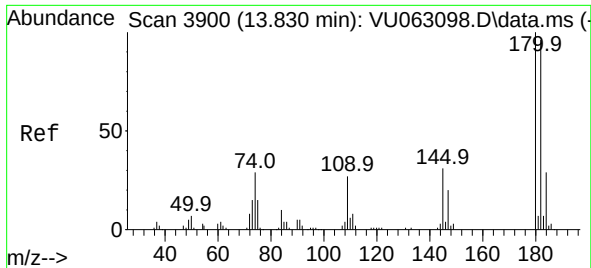
180 100

182 97.3 76.3 114.5

184 29.0 24.5 36.7

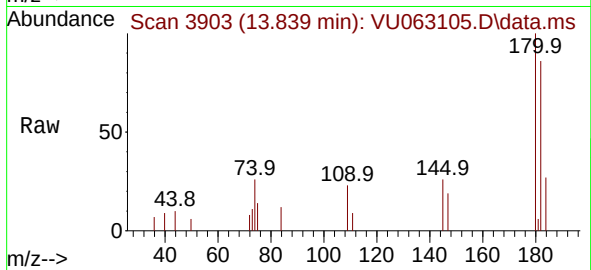
145 25.5 23.6 35.4



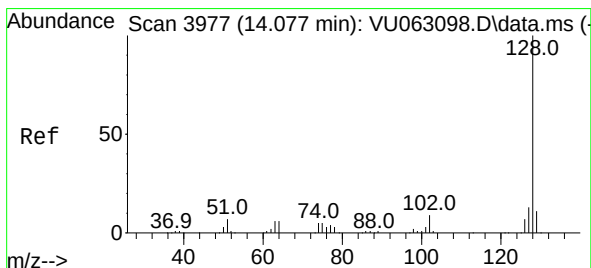
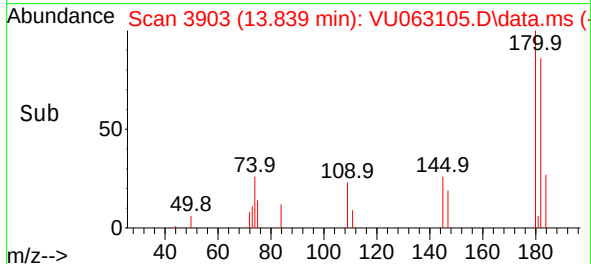
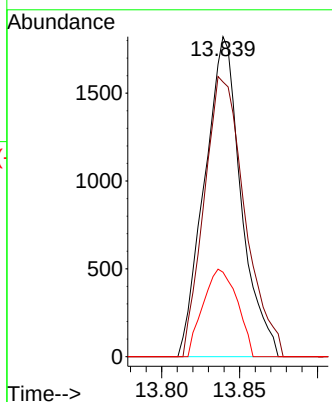


#70
1,2,4-trichlorobenzene
Concen: 2.753 ug/L
RT: 13.839 min Scan# 3900
Delta R.T. 0.009 min
Lab File: VU063105.D
Acq: 30 Jan 2025 18:00

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:180 Resp: 2963
Ion Ratio Lower Upper
180 100
182 97.3 75.5 113.3
145 25.5 24.6 36.8



#71
Naphthalene
Concen: 7.917 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.006 min
Lab File: VU063105.D
Acq: 30 Jan 2025 18:00

Tgt Ion:128 Resp: 26428
Ion Ratio Lower Upper
128 100
127 11.7 10.1 15.1
129 9.4 8.8 13.2

