Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013025\
Data File : VU063104.D
Acq On : 30 Jan 2025 17:36
Operator : MD/SY
Sample : Q1148-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jan 31 07:53:54 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	148927	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.405	117	146841	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	77354	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	55512	51.163	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 102.320%			
7) Chloroethane-d5	1.895	69	35992	60.728	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 121.460%			
11) 1,1-Dichloroethene-d2	2.557	63	112933	59.579	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 119.160%			
21) 2-Butanone-d5	4.605	46	77671	110.913	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 110.910%			
24) Chloroform-d	5.049	84	95766	47.950	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.900%			
26) 1,2-Dichloroethane-d4	5.685	65	58024	51.077	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.160%			
32) Benzene-d6	5.711	84	203718	46.583	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.160%			
36) 1,2-Dichloropropane-d6	6.676	67	65783	45.969	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 91.940%			
41) Toluene-d8	7.885	98	182239	46.026	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.060%			
43) trans-1,3-Dichloroprop...	8.168	79	30539	46.387	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 92.780%			
47) 2-Hexanone-d5	8.621	63	57248	93.337	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 93.340%			
56) 1,1,2,2-Tetrachloroeth...	10.743	84	103561	49.342	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 98.680%			
66) 1,2-Dichlorobenzene-d4	12.183	152	74032	49.694	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.380%			
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.126	101	60026	40.843	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.557	101	1075	1.043	ug/L #	20
12) 1,1-Dichloroethene	2.566	96	73524	72.422	ug/L	92
13) Acetone	2.611	43	82603	188.621	ug/L	95
17) trans-1,2-Dichloroethene	3.338	96	60887	58.660	ug/L	96
18) Methyl tert-butyl Ether	3.348	73	371236	115.835	ug/L	98
19) 1,1-Dichloroethane	3.853	63	28647	15.064	ug/L	96
20) cis-1,2-Dichloroethene	4.650	96	100040	84.888	ug/L	98
27) 1,2-Dichloroethane	5.779	62	56116	39.992	ug/L	97
30) 1,1,1-Trichloroethane	5.300	97	99256	56.078	ug/L	98
31) Carbon tetrachloride	5.512	117	27625	18.082	ug/L	99
33) Benzene	5.759	78	339982	72.067	ug/L	100
34) Trichloroethene	6.528	95	95313	74.678	ug/L	96
37) 1,2-Dichloropropane	6.779	63	47791	36.899	ug/L	99
39) cis-1,3-Dichloropropene	7.705	75	3238	1.674	ug/L	95
40) 4-Methyl-2-pentanone	7.775	43	131940	85.295	ug/L	99
42) Toluene	7.959	91	243122	48.868	ug/L	98
44) trans-1,3-Dichloropropene	8.196	75	146294	81.394	ug/L	98
45) 1,1,2-Trichloroethane	8.386	97	82895	67.239	ug/L	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013025\
Data File : VU063104.D
Acq On : 30 Jan 2025 17:36
Operator : MD/SY
Sample : Q1148-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jan 31 07:53:54 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)
46) Tetrachloroethene	8.541	164	36401	40.364	ug/L	94
49) Dibromochloromethane	8.798	129	126548	101.299	ug/L	100
53) m,p-Xylene	9.682	106	103580	51.521	ug/L	99
54) o-Xylene	10.090	106	62770	30.983	ug/L	97
55) Styrene	10.103	104	203756	59.186	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.769	83	60013	27.570	ug/L	99
59) Bromoform	10.280	173	11786	11.376	ug/L	96
60) 1,2,3-Trichloropropane	10.811	75	70430	42.709	ug/L	98
62) 1,3,5-Trimethylbenzene	11.077	105	229324	53.108	ug/L	100
63) 1,2,4-Trimethylbenzene	11.457	105	320505	74.642	ug/L	100
64) 1,3-Dichlorobenzene	11.733	146	101164	40.006	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	162792	62.124	ug/L	100
67) 1,2-Dichlorobenzene	12.203	146	34997	14.029	ug/L	98
69) 1,3,5-Trichlorobenzene	13.830	180	52691	30.959	ug/L	99
70) 1,2,4-trichlorobenzene	13.830	180	52691	35.981	ug/L	98
71) Naphthalene	14.077	128	357400	78.690	ug/L	99

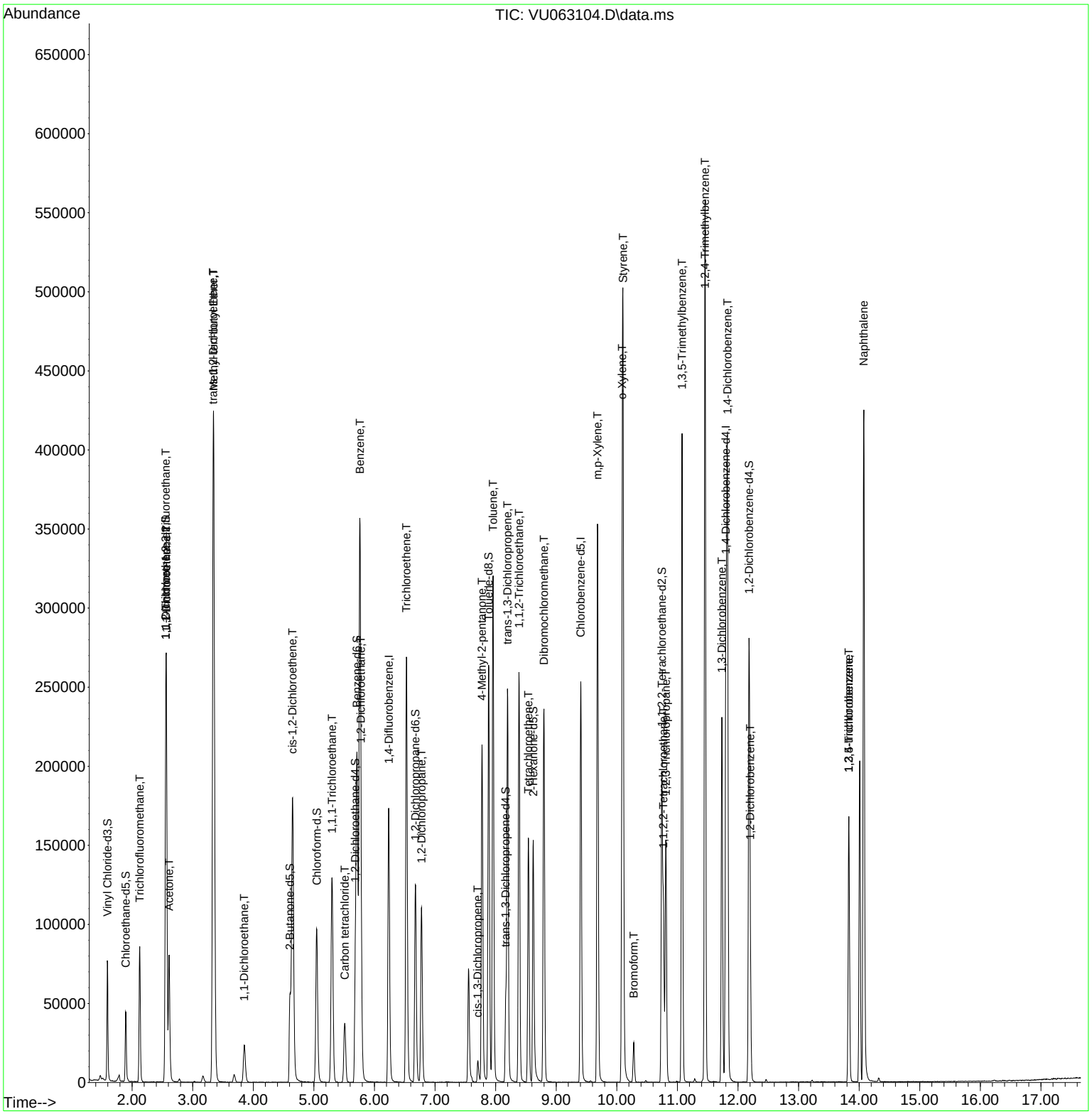
(#) = qualifier out of range (m) = manual integration (+) = signals summed

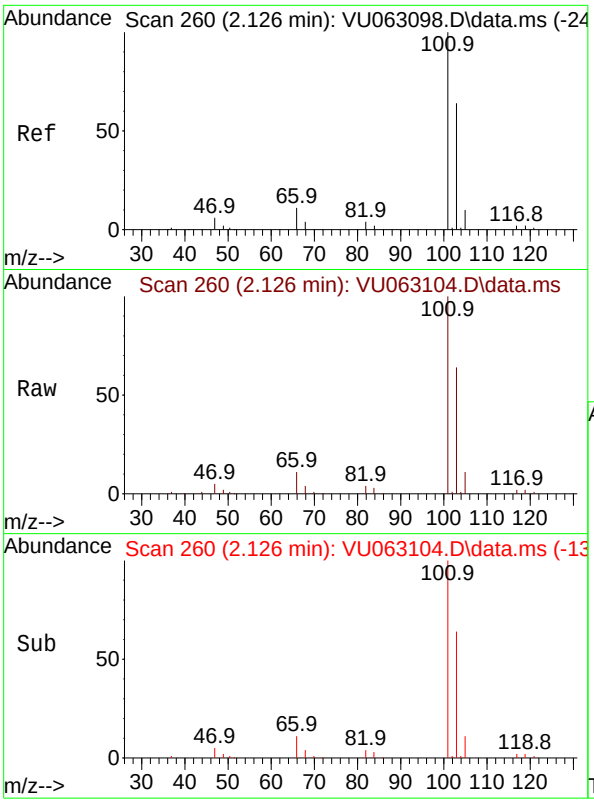
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013025\
Data File : VU063104.D
Acq On : 30 Jan 2025 17:36
Operator : MD/SY
Sample : Q1148-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jan 31 07:53:54 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



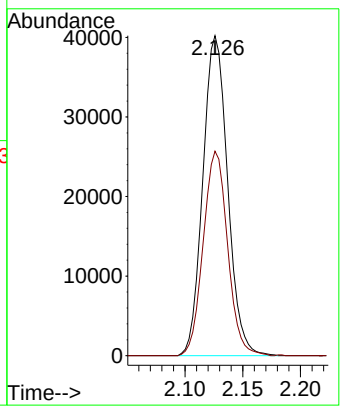


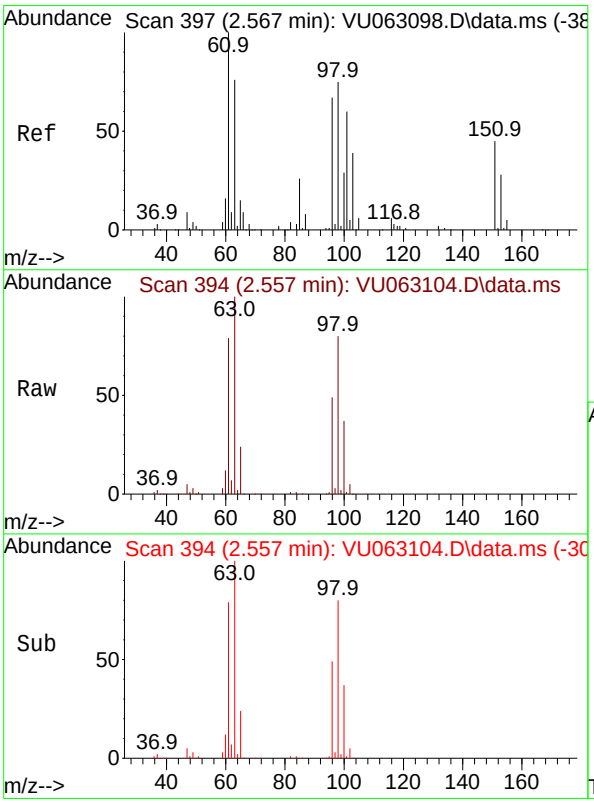
#9
Trichlorofluoromethane
Concen: 40.843 ug/L
RT: 2.126 min Scan# 2
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:101 Resp: 60026

Ion	Ratio	Lower	Upper
101	100		
103	62.9	51.4	77.2

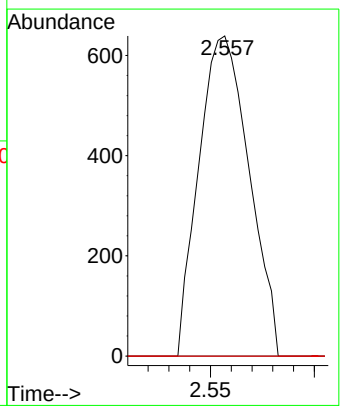


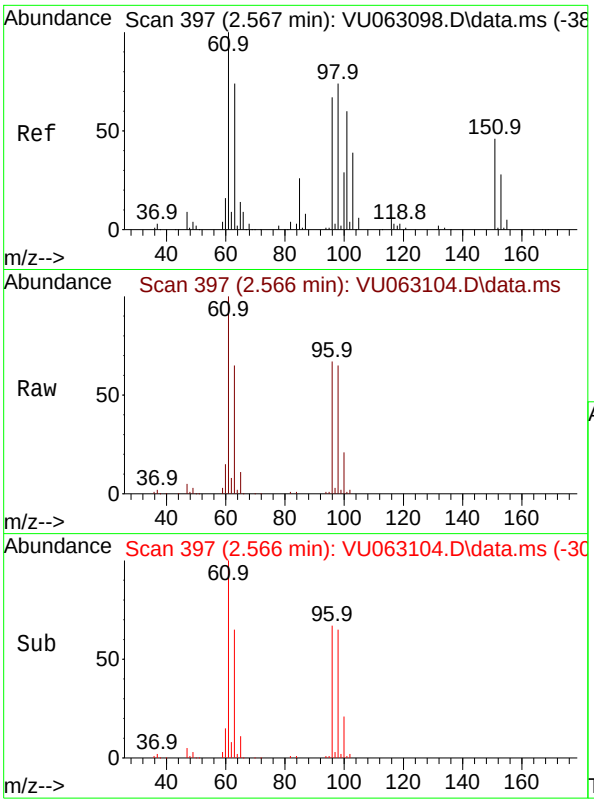


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.043 ug/L
RT: 2.557 min Scan# 394
Delta R.T. -0.010 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Tgt Ion:101 Resp: 1075

Ion	Ratio	Lower	Upper
101	100		
85	0.0	33.2	49.8#
151	0.0	60.4	90.6#



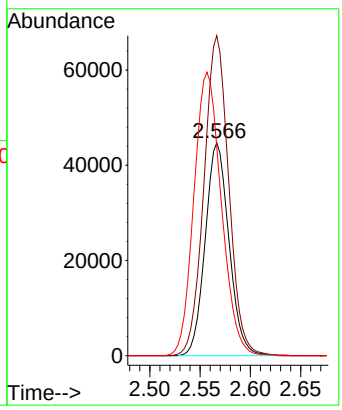


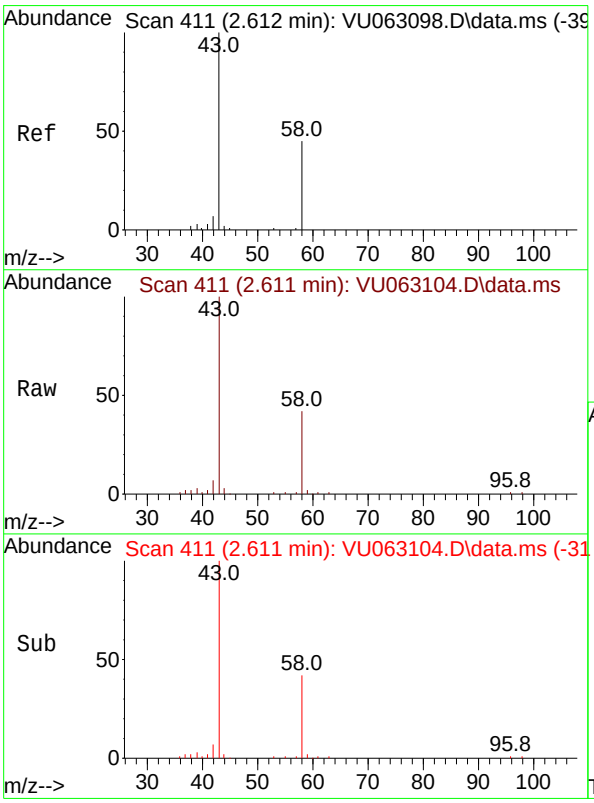
#12
1,1-Dichloroethene
Concen: 72.422 ug/L
RT: 2.566 min Scan# 3
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 96 Resp: 73524

Ion	Ratio	Lower	Upper
96	100		
61	150.2	104.2	193.4
63	98.0	81.5	151.5

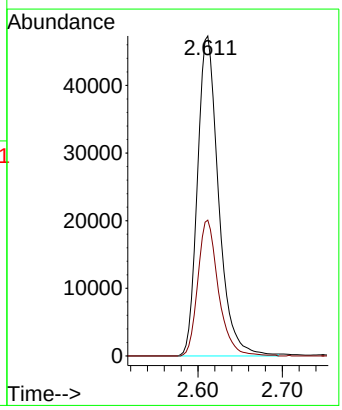


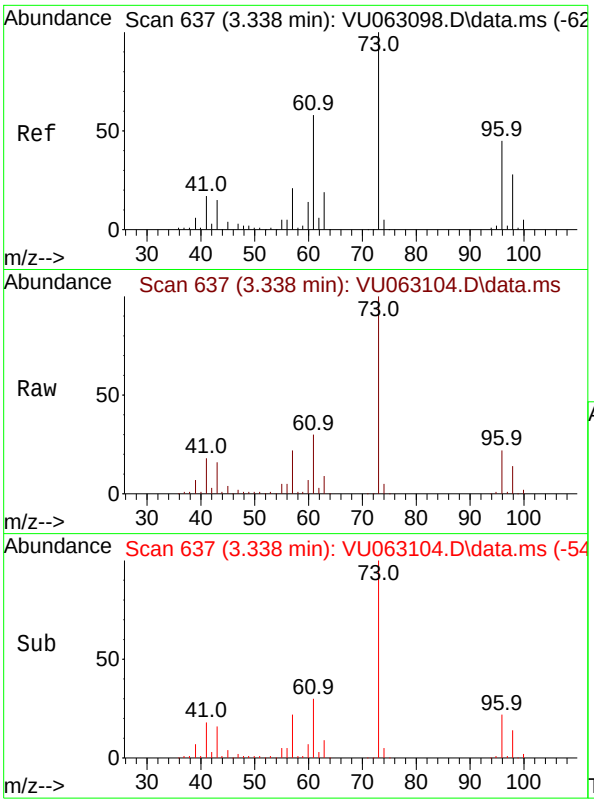


#13
Acetone
Concen: 188.621 ug/L
RT: 2.611 min Scan# 411
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Tgt Ion: 43 Resp: 82603

Ion	Ratio	Lower	Upper
43	100		
58	41.4	0.0	88.8



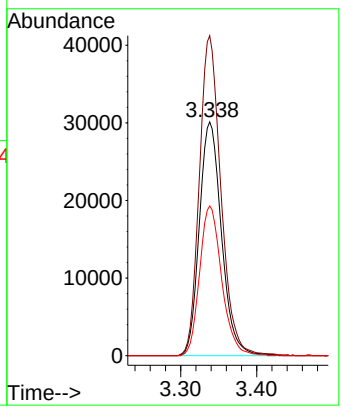


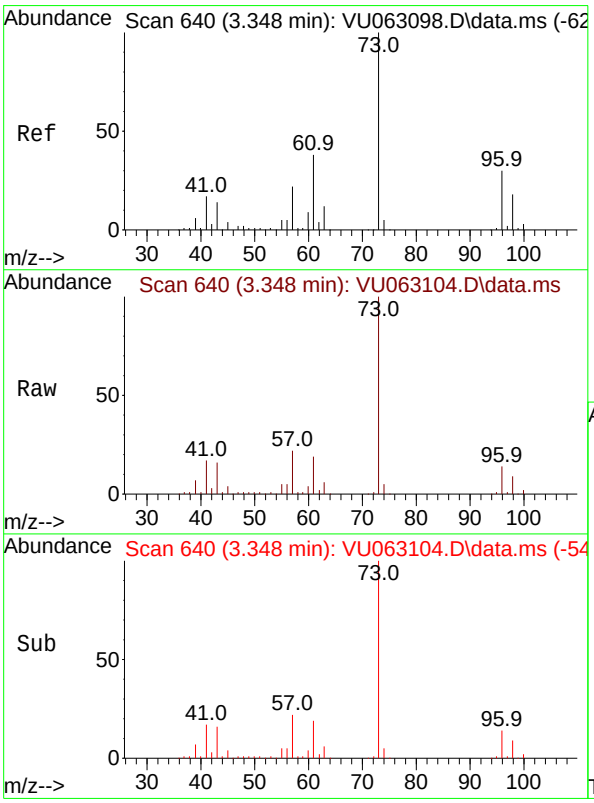
#17
trans-1,2-Dichloroethene
Concen: 58.660 ug/L
RT: 3.338 min Scan# 6
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 96 Resp: 60887

Ion	Ratio	Lower	Upper
96	100		
61	136.9	91.1	169.3
98	64.1	44.0	81.8

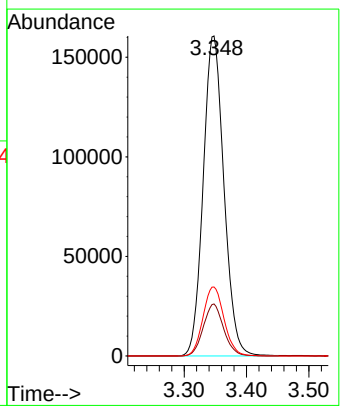


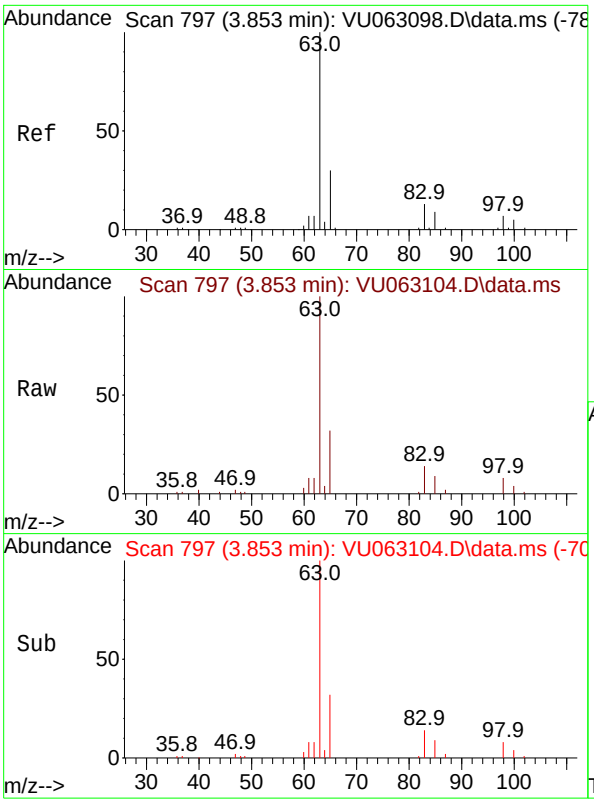


#18
Methyl tert-butyl Ether
Concen: 115.835 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Tgt Ion: 73 Resp: 371236

Ion	Ratio	Lower	Upper
73	100		
43	15.9	11.4	17.2
57	21.9	17.2	25.8



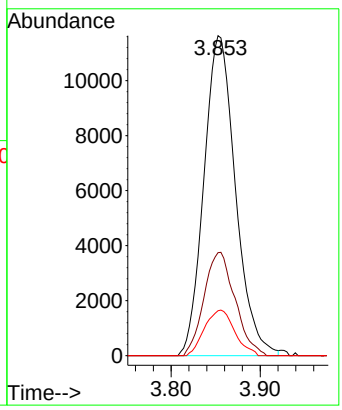


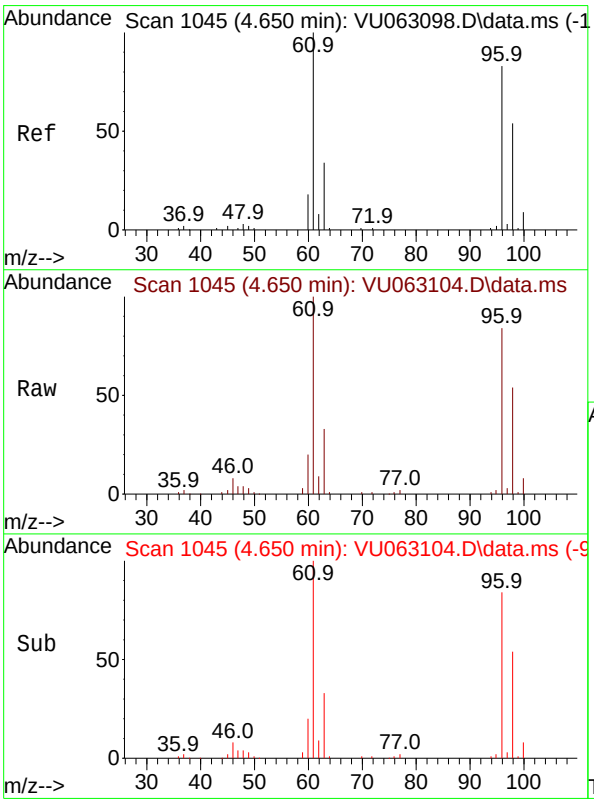
#19
1,1-Dichloroethane
Concen: 15.064 ug/L
RT: 3.853 min Scan# 7
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 63 Resp: 28647

Ion	Ratio	Lower	Upper
63	100		
65	32.2	20.9	38.9
83	14.1	9.3	17.3

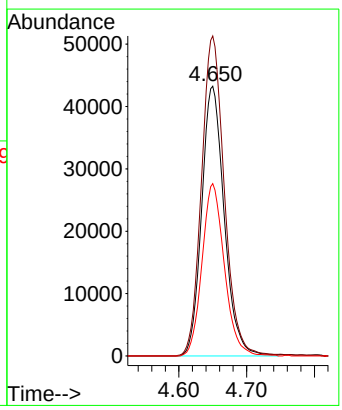


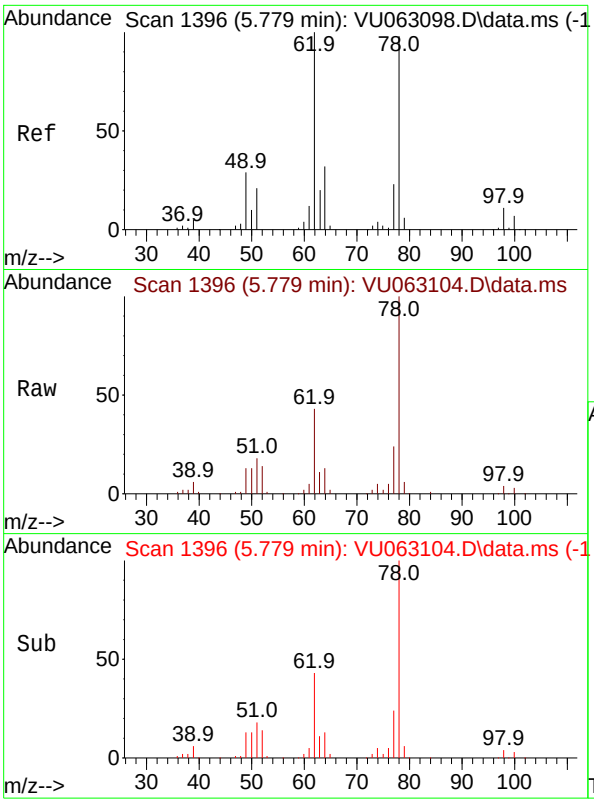


#20
cis-1,2-Dichloroethene
Concen: 84.888 ug/L
RT: 4.650 min Scan# 1045
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Tgt Ion: 96 Resp: 100040

Ion	Ratio	Lower	Upper
96	100		
61	118.6	84.4	156.8
98	63.8	46.0	85.4



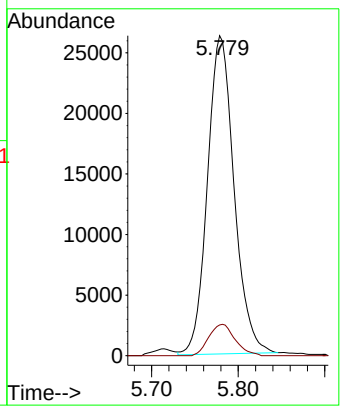


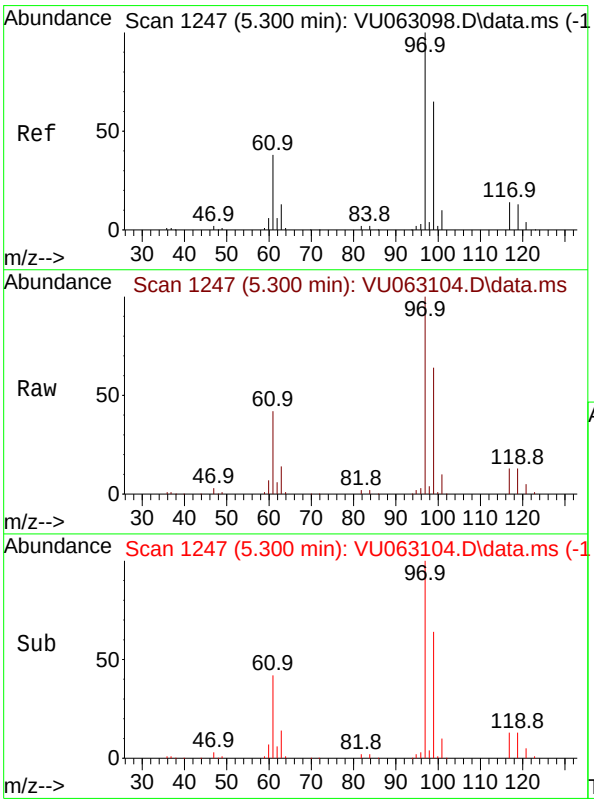
#27
1,2-Dichloroethane
Concen: 39.992 ug/L
RT: 5.779 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 62 Resp: 56116

Ion	Ratio	Lower	Upper
62	100		
98	9.6	8.5	12.7

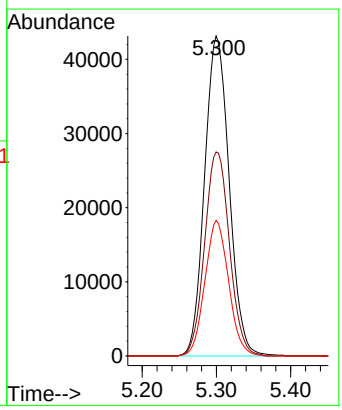


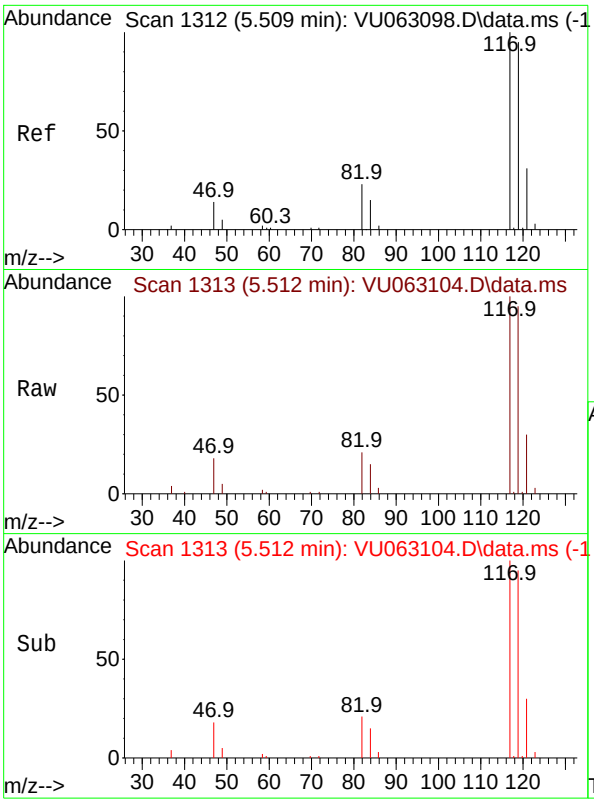


#30
1,1,1-Trichloroethane
Concen: 56.078 ug/L
RT: 5.300 min Scan# 1247
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Tgt Ion: 97 Resp: 99256

Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.2	78.4
61	40.9	31.5	47.3



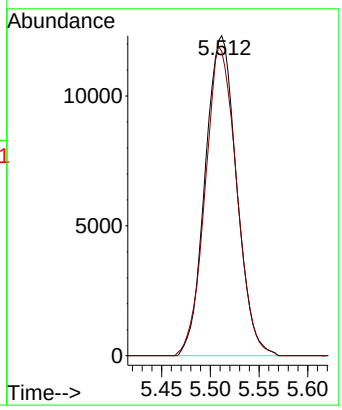


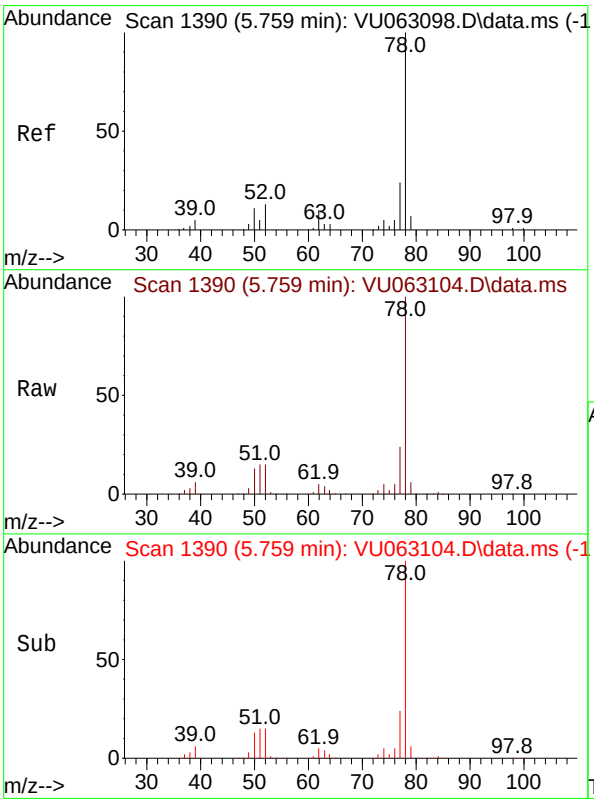
#31
Carbon tetrachloride
Concen: 18.082 ug/L
RT: 5.512 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:117 Resp: 27625

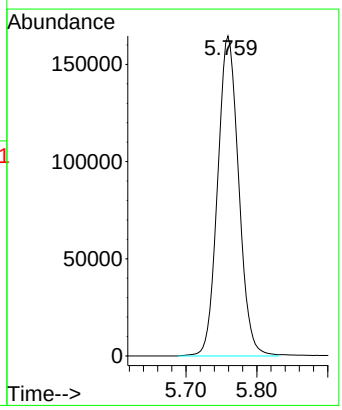
Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.7	116.5

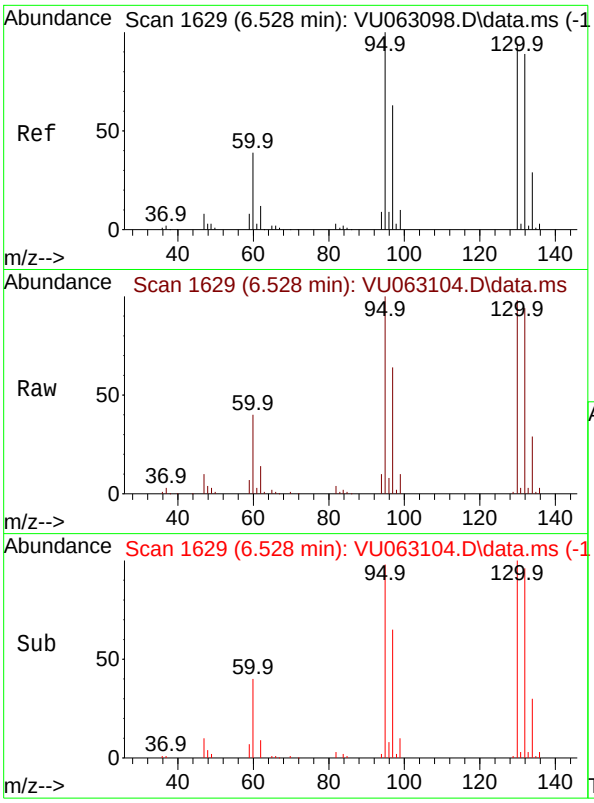




#33
Benzene
Concen: 72.067 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Tgt Ion: 78 Resp: 339982



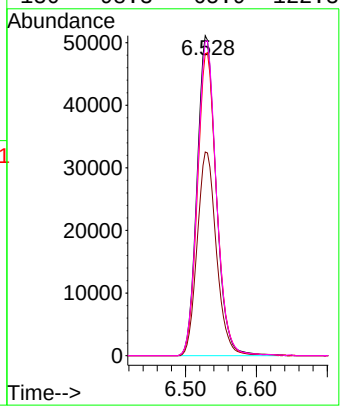


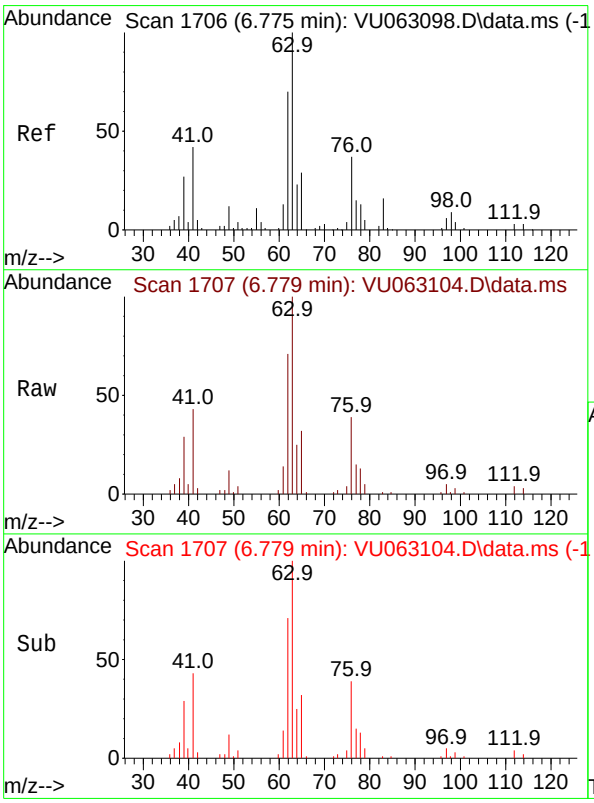
#34
Trichloroethene
Concen: 74.678 ug/L
RT: 6.528 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 95313

Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.3	82.3
132	94.4	62.4	116.0
130	98.3	65.9	122.3

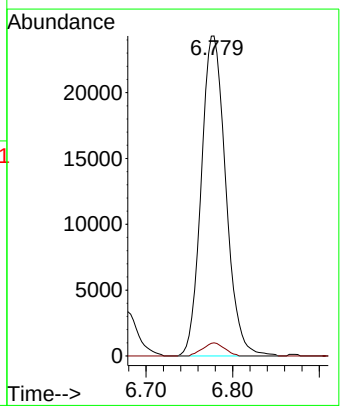


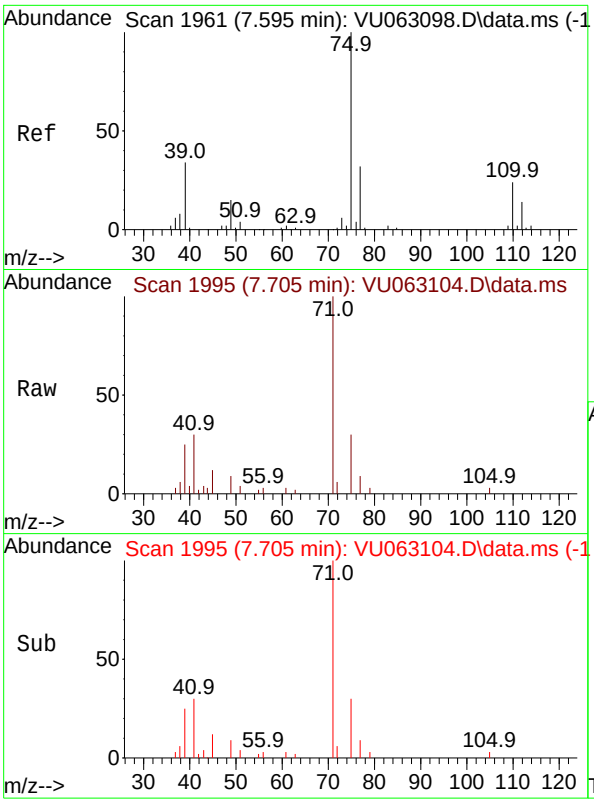


#37
1,2-Dichloropropane
Concen: 36.899 ug/L
RT: 6.779 min Scan# 1707
Delta R.T. 0.003 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Tgt Ion: 63 Resp: 47791

Ion	Ratio	Lower	Upper
63	100		
112	3.7	2.6	4.0



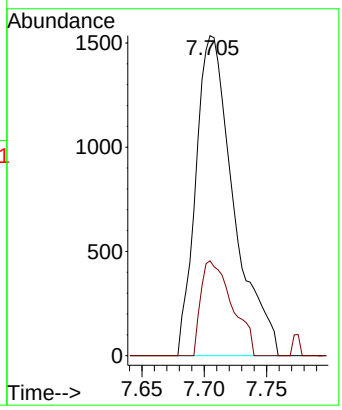


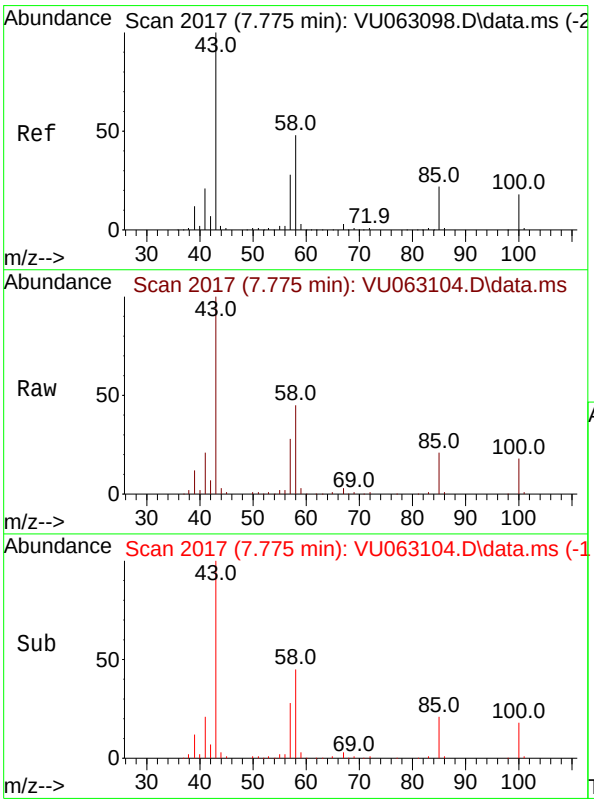
#39
cis-1,3-Dichloropropene
Concen: 1.674 ug/L
RT: 7.705 min Scan# 1
Delta R.T. 0.109 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 3238

Ion	Ratio	Lower	Upper
75	100		
77	29.6	22.5	41.9

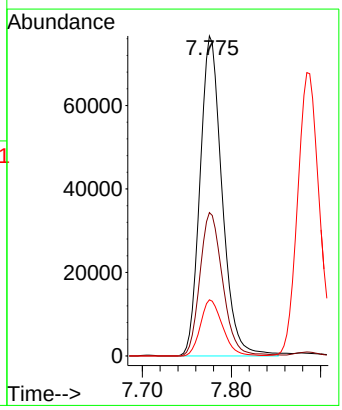


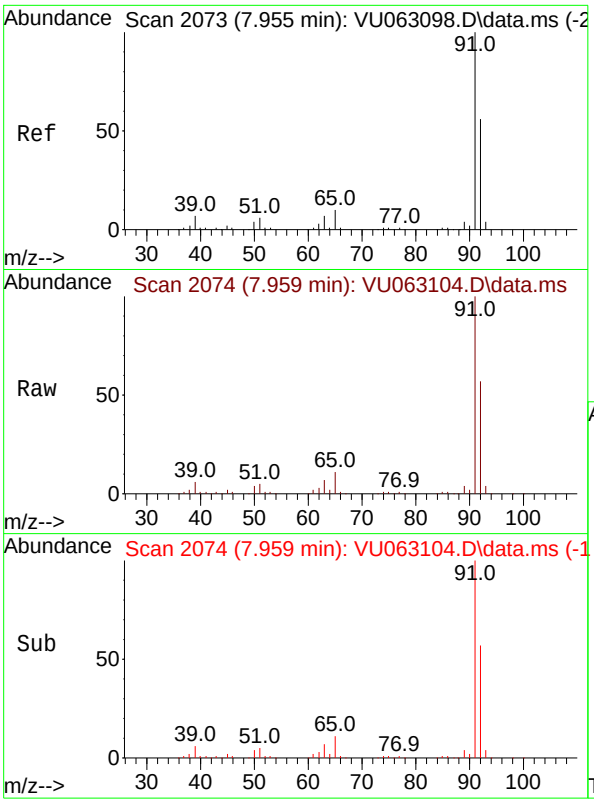


#40
4-Methyl-2-pentanone
Concen: 85.295 ug/L
RT: 7.775 min Scan# 2017
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Tgt Ion: 43 Resp: 131940

Ion	Ratio	Lower	Upper
43	100		
58	46.1	37.5	56.3
100	17.5	14.3	21.5



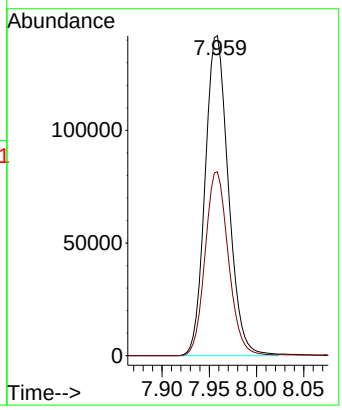


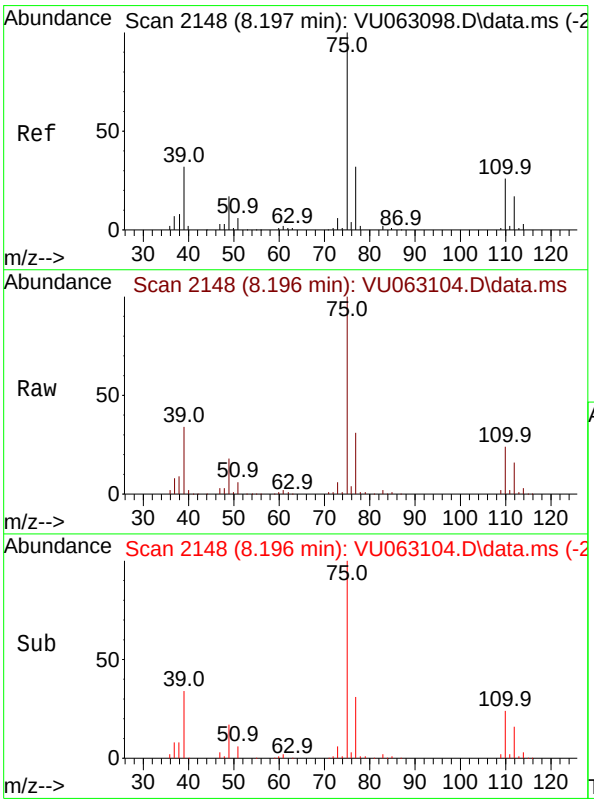
#42
Toluene
Concen: 48.868 ug/L
RT: 7.959 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 91 Resp: 243122

Ion	Ratio	Lower	Upper
91	100		
92	57.5	39.3	73.1

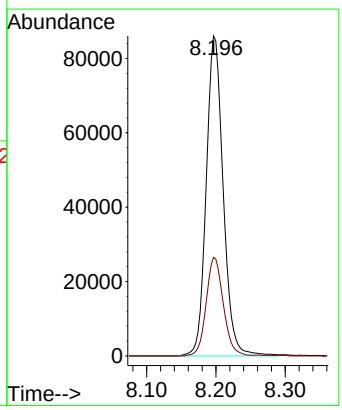


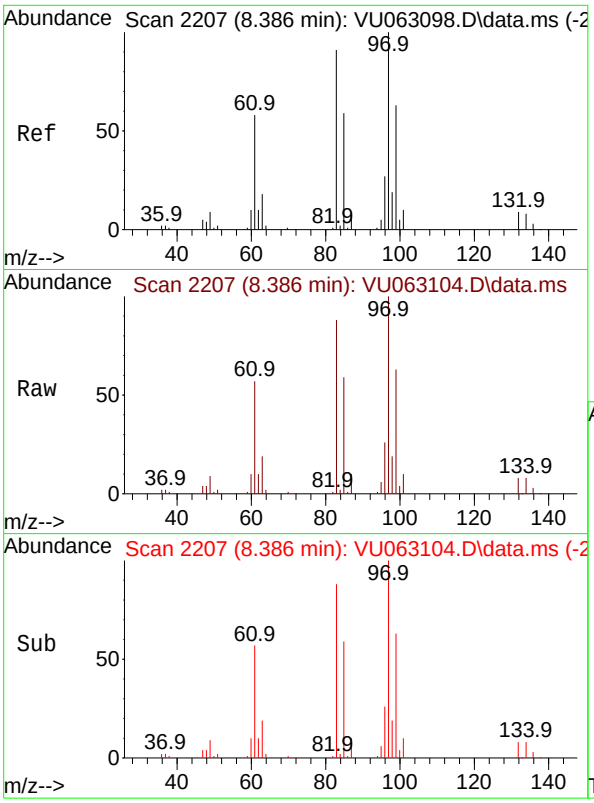


#44
trans-1,3-Dichloropropene
Concen: 81.394 ug/L
RT: 8.196 min Scan# 2148
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Tgt Ion: 75 Resp: 146294

Ion	Ratio	Lower	Upper
75	100		
77	30.8	22.3	41.3



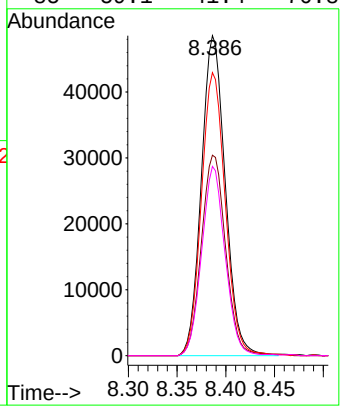


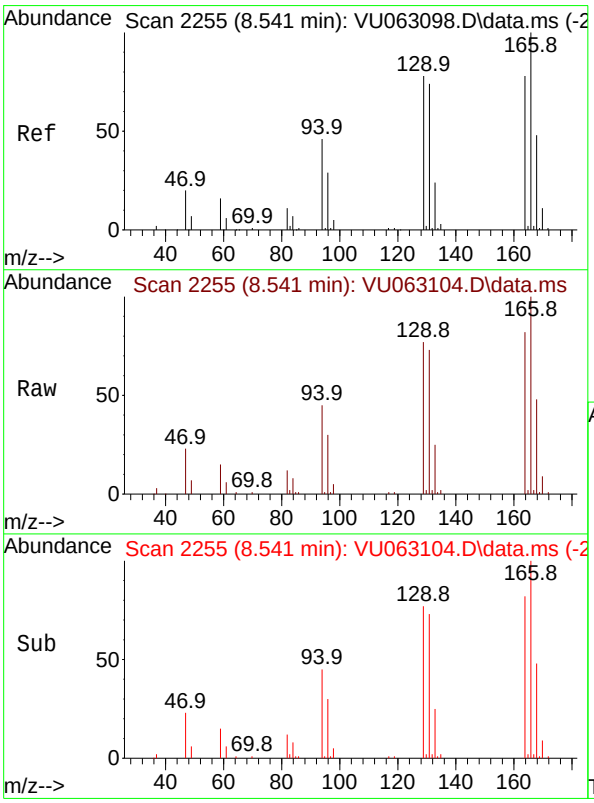
#45
1,1,2-Trichloroethane
Concen: 67.239 ug/L
RT: 8.386 min Scan# 2
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 82895

Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.2	82.2
83	88.4	64.0	118.8
85	59.1	41.4	76.8

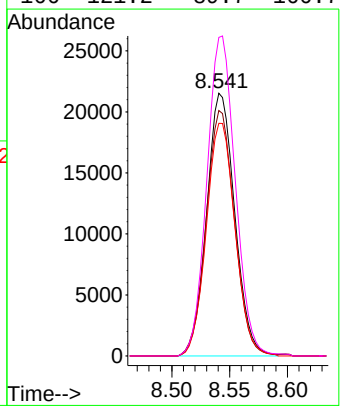


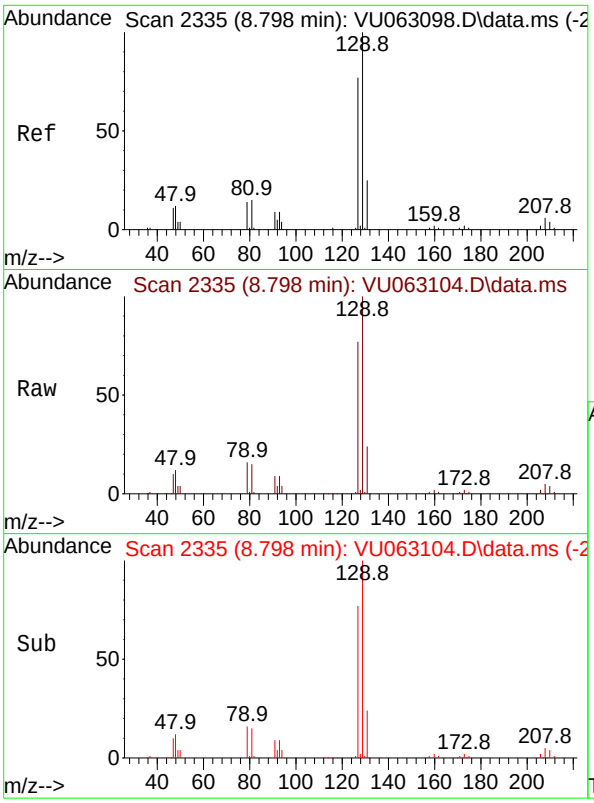


#46
Tetrachloroethene
Concen: 40.364 ug/L
RT: 8.541 min Scan# 2255
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Tgt Ion:164 Resp: 36401

Ion	Ratio	Lower	Upper
164	100		
129	93.4	69.9	129.7
131	88.5	66.3	123.1
166	121.2	89.7	166.7



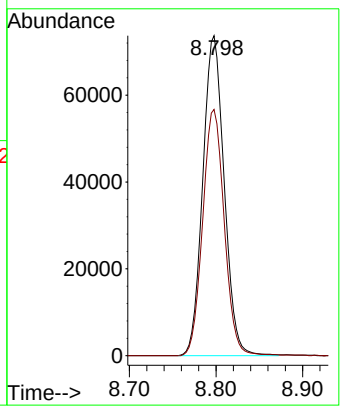


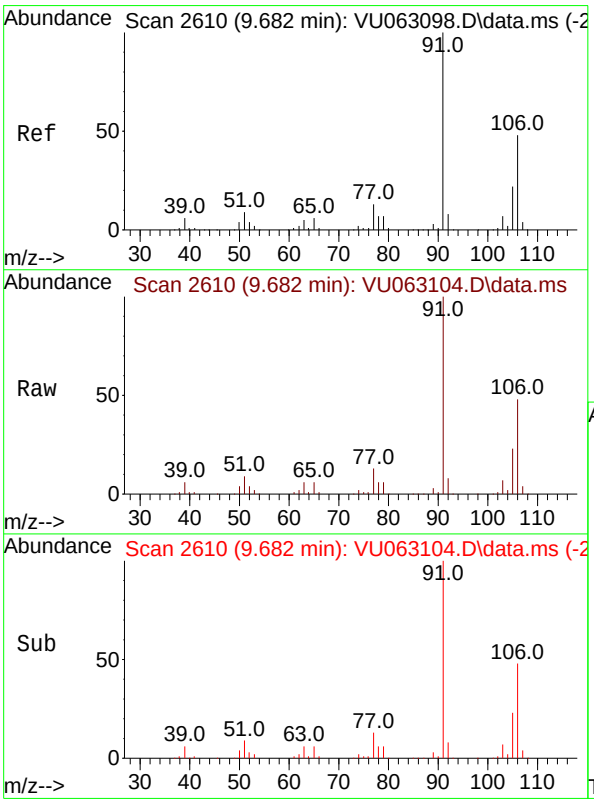
#49
Dibromochloromethane
Concen: 101.299 ug/L
RT: 8.798 min Scan# 2
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:129 Resp: 126548

Ion	Ratio	Lower	Upper
129	100		
127	77.0	54.1	100.5

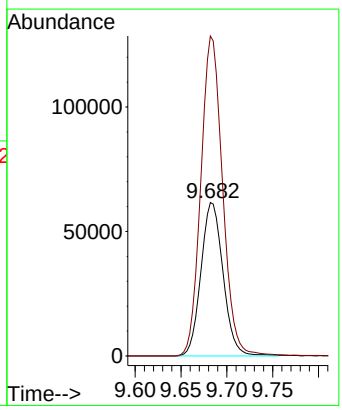


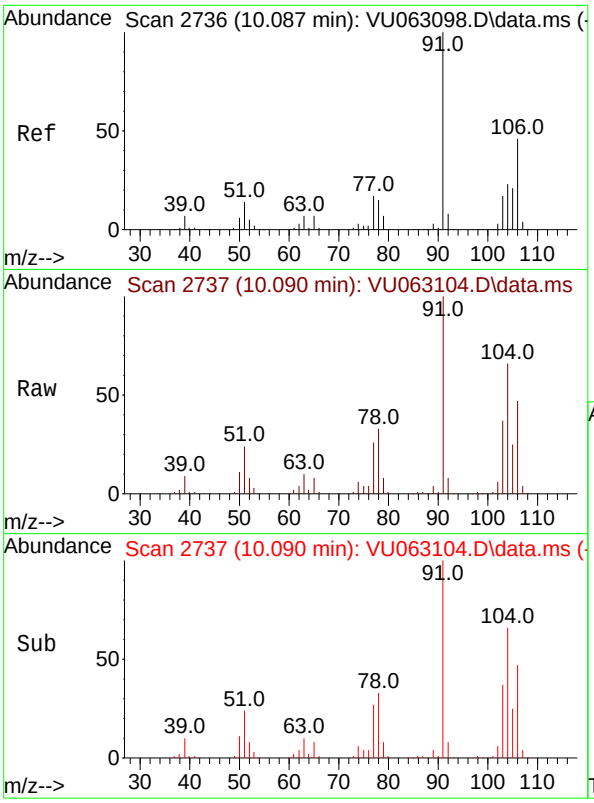


#53
m,p-Xylene
Concen: 51.521 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Tgt Ion:106 Resp: 103580

Ion	Ratio	Lower	Upper
106	100		
91	208.6	145.5	270.1



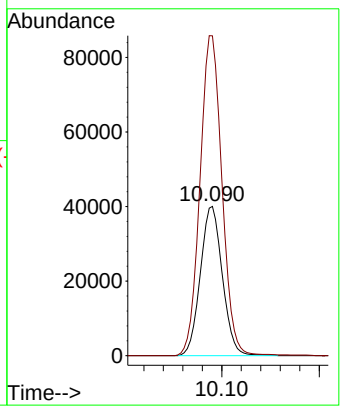


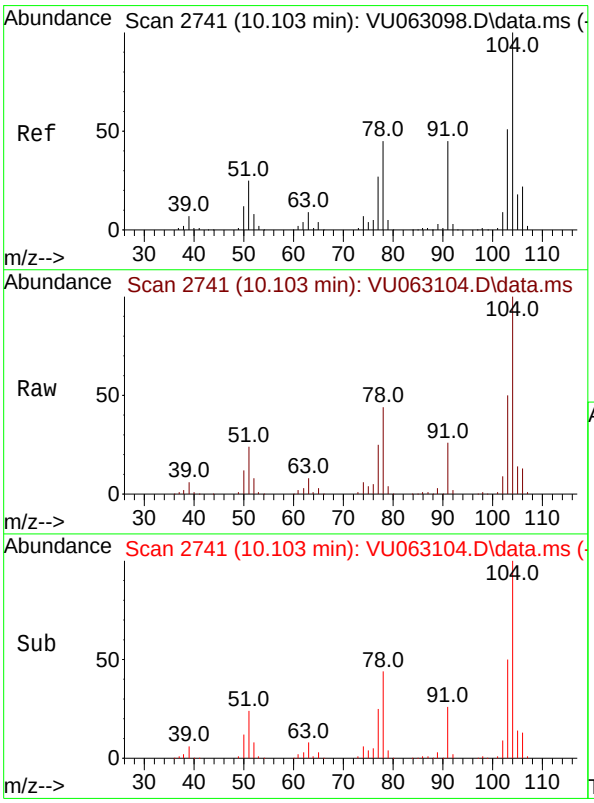
#54
o-Xylene
Concen: 30.983 ug/L
RT: 10.090 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:106 Resp: 62770

Ion	Ratio	Lower	Upper
106	100		
91	214.2	152.8	283.8

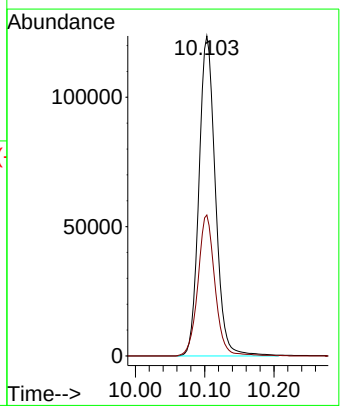


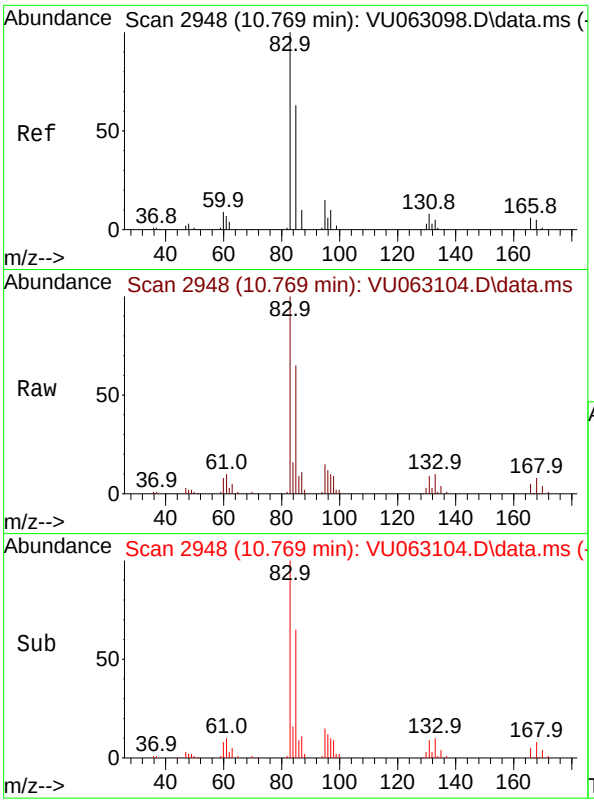


#55
Styrene
Concen: 59.186 ug/L
RT: 10.103 min Scan# 2741
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Tgt Ion:104 Resp: 203756

Ion	Ratio	Lower	Upper
104	100		
78	44.1	31.4	58.2



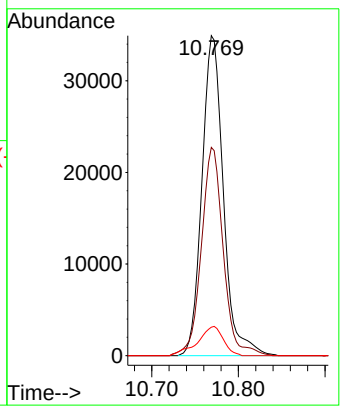


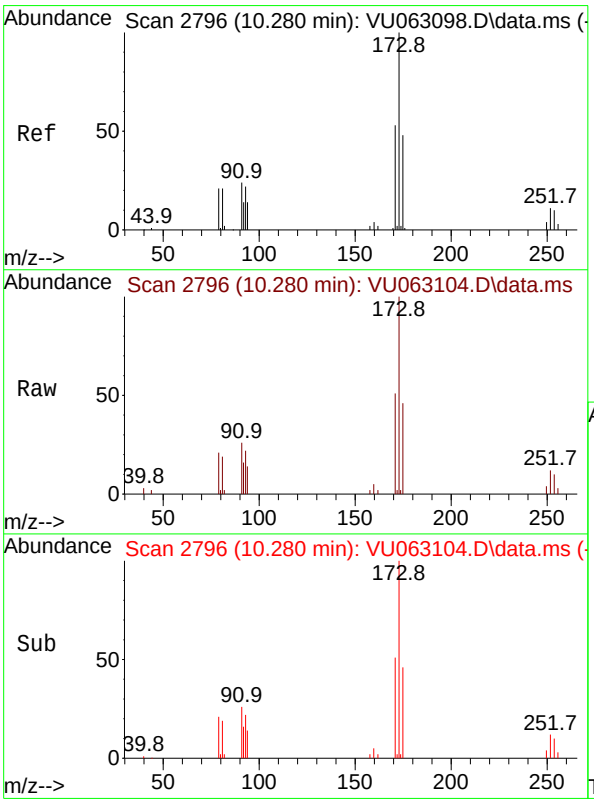
#57
1,1,2,2-Tetrachloroethane
Concen: 27.570 ug/L
RT: 10.769 min Scan# 2
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 83 Resp: 60013

Ion	Ratio	Lower	Upper
83	100		
85	65.1	44.9	83.3
131	8.9	7.1	10.7

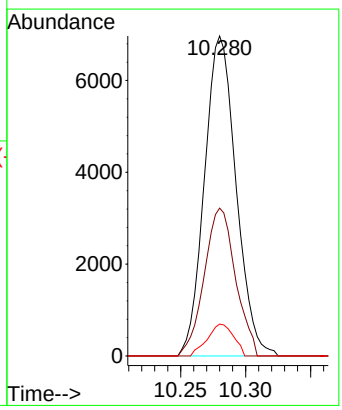


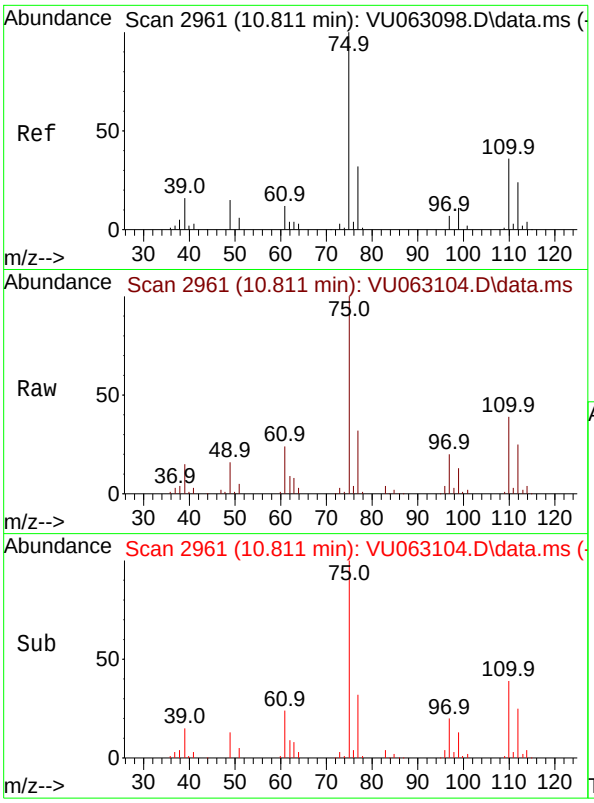


#59
Bromoform
Concen: 11.376 ug/L
RT: 10.280 min Scan# 2796
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Tgt Ion:173 Resp: 11786

Ion	Ratio	Lower	Upper
173	100		
175	45.6	38.6	57.8
254	8.3	7.6	11.4



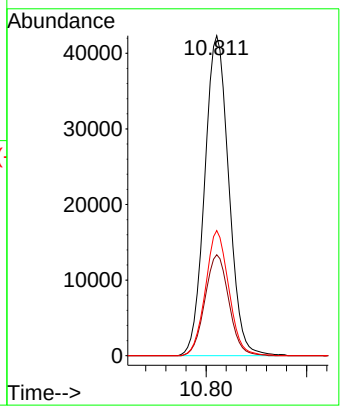


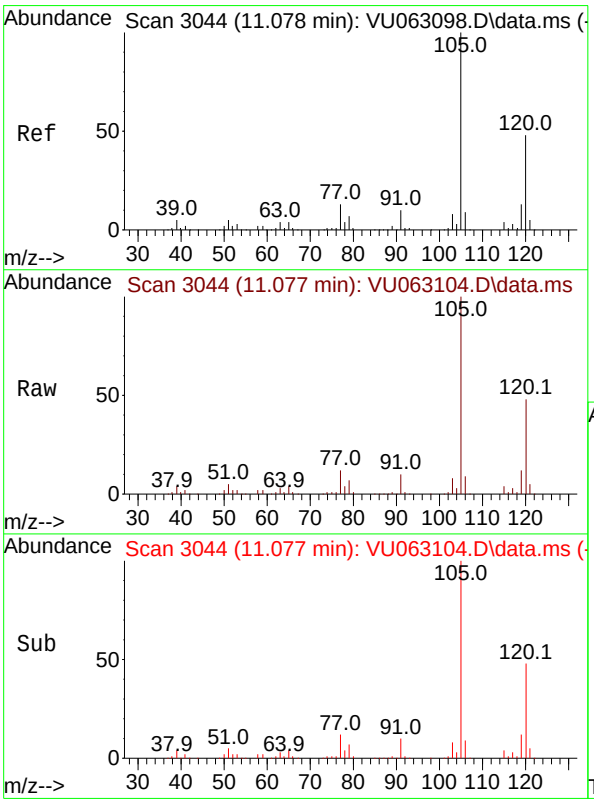
#60
1,2,3-Trichloropropane
Concen: 42.709 ug/L
RT: 10.811 min Scan# 2
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 70430

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.6	38.4
110	37.8	29.1	43.7

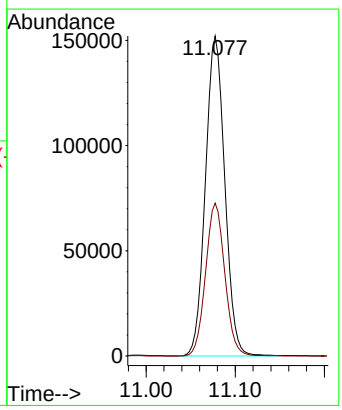


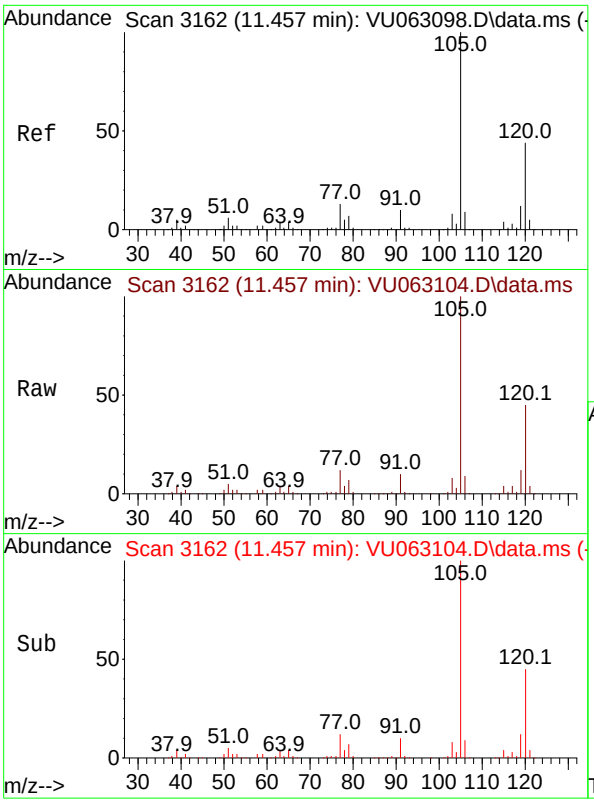


#62
1,3,5-Trimethylbenzene
Concen: 53.108 ug/L
RT: 11.077 min Scan# 3044
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Tgt Ion:105 Resp: 229324

Ion	Ratio	Lower	Upper
105	100		
120	47.5	38.2	57.2



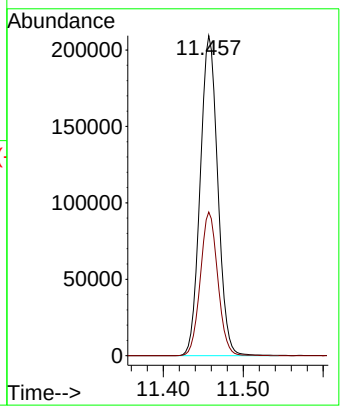


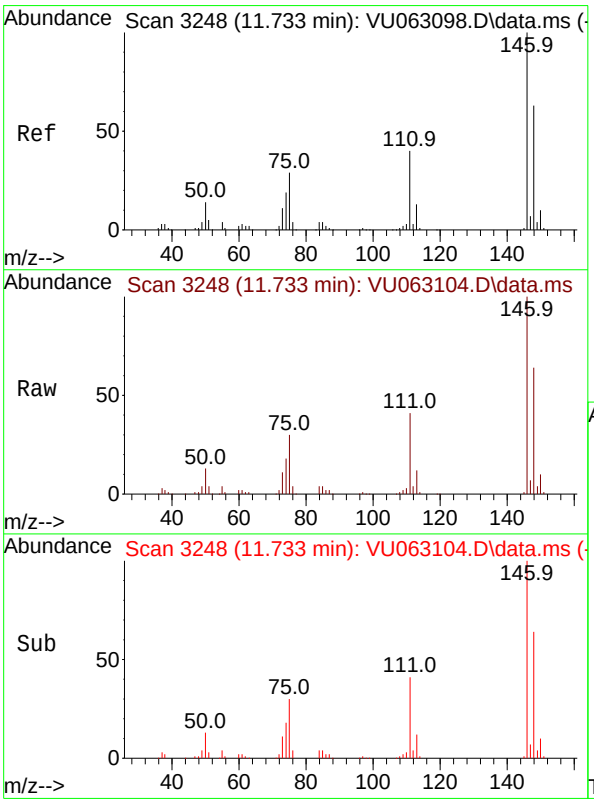
#63
1,2,4-Trimethylbenzene
Concen: 74.642 ug/L
RT: 11.457 min Scan# 3
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:105 Resp: 320505

Ion	Ratio	Lower	Upper
105	100		
120	44.5	35.8	53.6

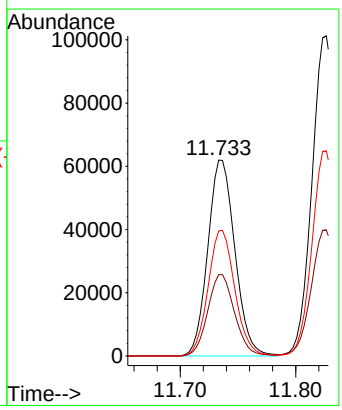


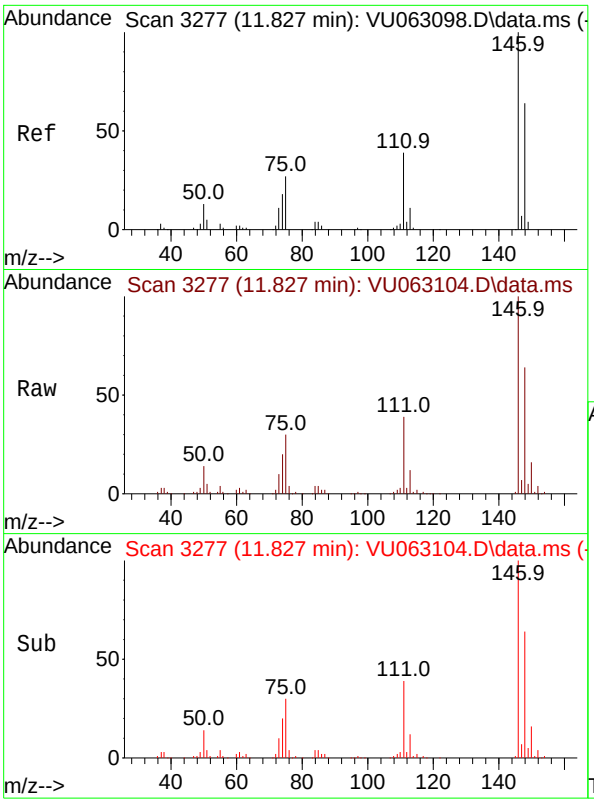


#64
1,3-Dichlorobenzene
Concen: 40.006 ug/L
RT: 11.733 min Scan# 3248
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Tgt Ion:146 Resp: 101164

Ion	Ratio	Lower	Upper
146	100		
111	41.5	28.1	52.3
148	63.8	43.9	81.5



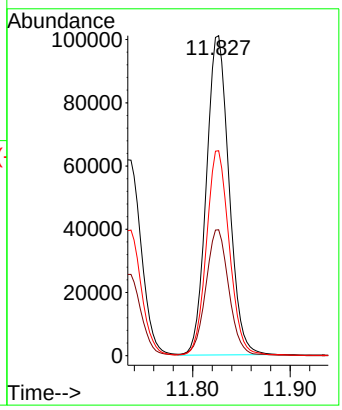


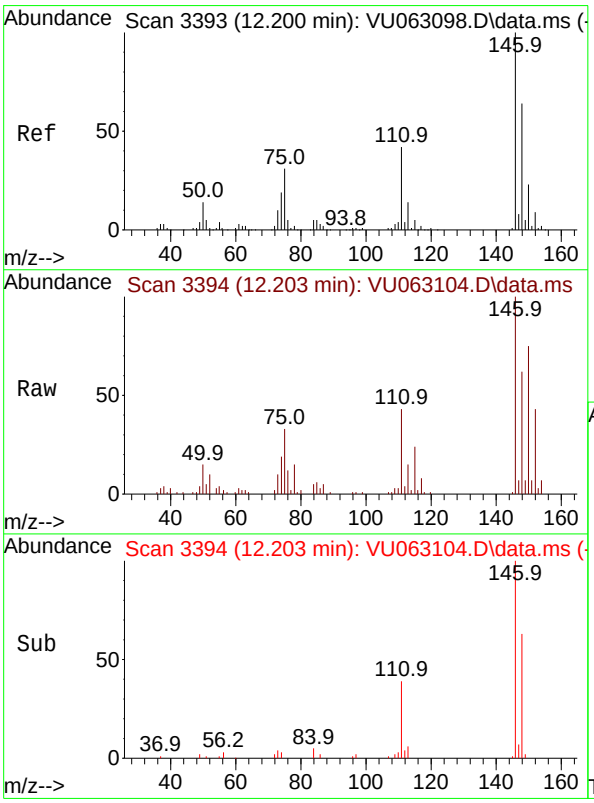
#65
1,4-Dichlorobenzene
Concen: 62.124 ug/L
RT: 11.827 min Scan# 3
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:146 Resp: 162792

Ion	Ratio	Lower	Upper
146	100		
111	39.3	27.2	50.6
148	64.1	44.9	83.5

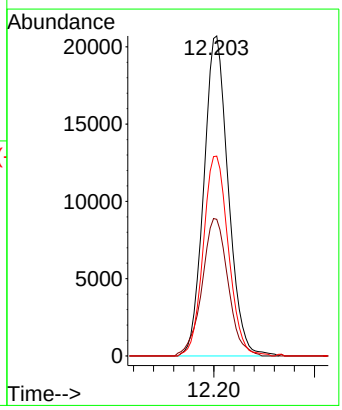


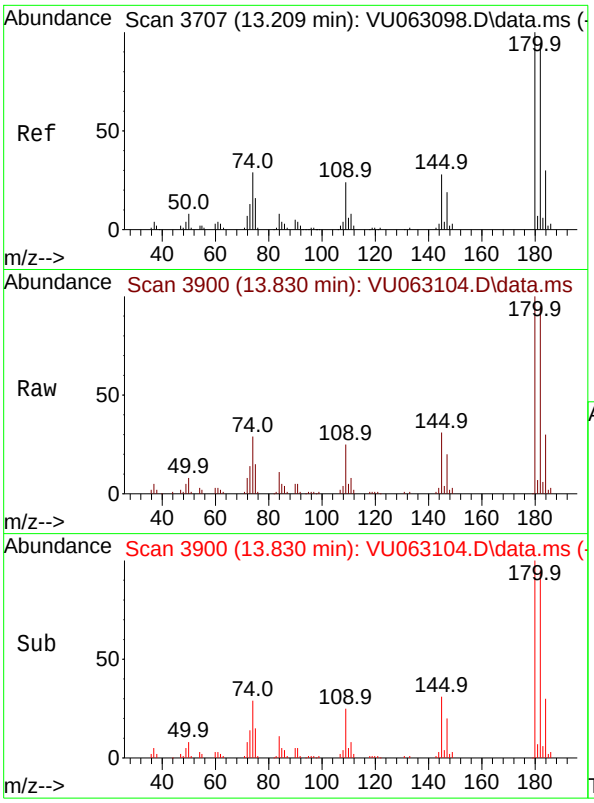


#67
1,2-Dichlorobenzene
Concen: 14.029 ug/L
RT: 12.203 min Scan# 3394
Delta R.T. 0.003 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Tgt Ion:146 Resp: 34997

Ion	Ratio	Lower	Upper
146	100		
111	42.7	33.6	50.4
148	62.4	51.2	76.8



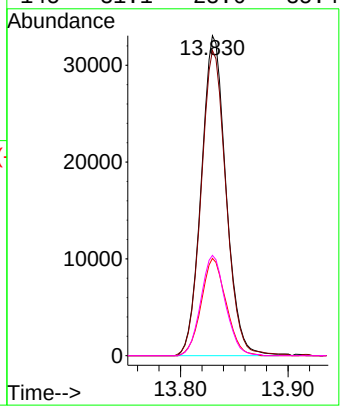


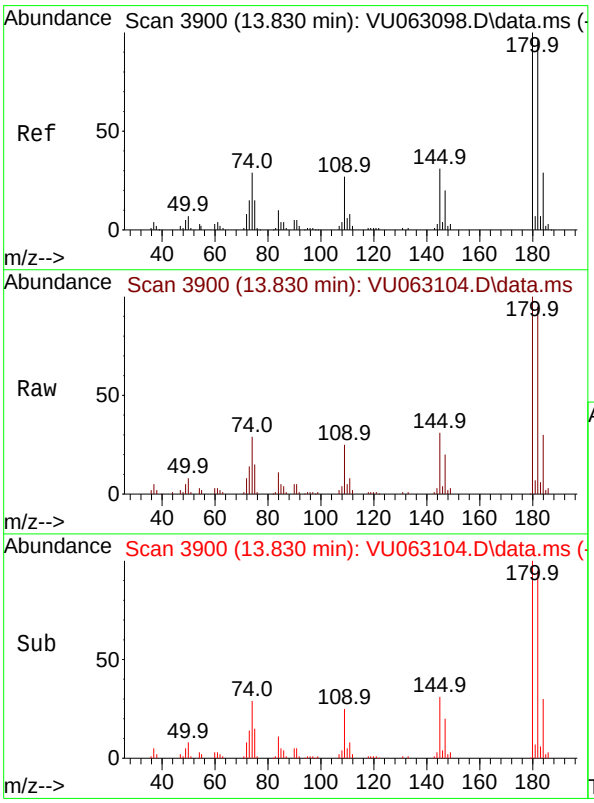
#69
1,3,5-Trichlorobenzene
Concen: 30.959 ug/L
RT: 13.830 min Scan# 3
Delta R.T. 0.620 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:180 Resp: 52691

Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.3	114.5
184	30.6	24.5	36.7
145	31.1	23.6	35.4

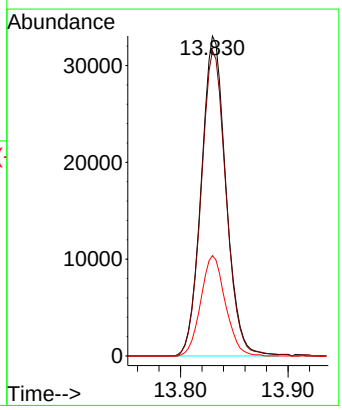


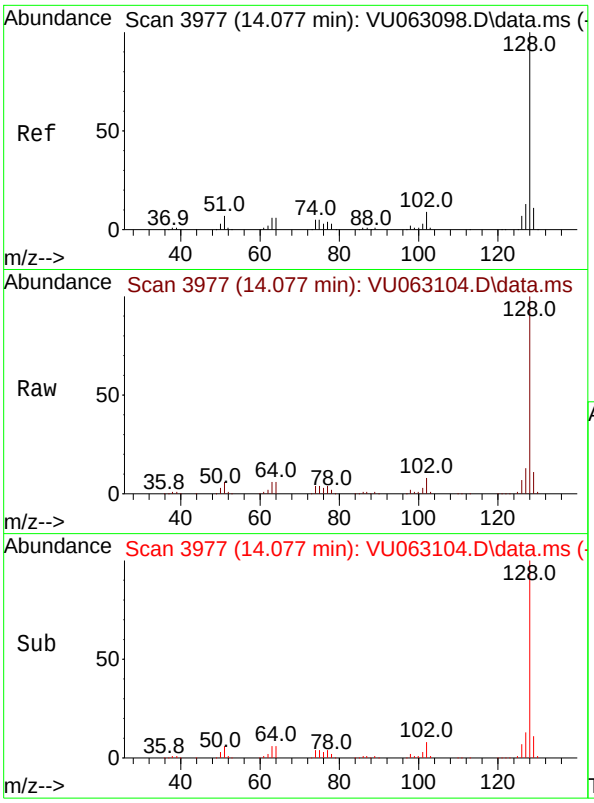


#70
1,2,4-trichlorobenzene
Concen: 35.981 ug/L
RT: 13.830 min Scan# 3900
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Tgt Ion:180 Resp: 52691

Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.5	113.3
145	31.1	24.6	36.8





#71
Naphthalene
Concen: 78.690 ug/L
RT: 14.077 min Scan# 3
Delta R.T. -0.000 min
Lab File: VU063104.D
Acq: 30 Jan 2025 17:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 357400

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	10.8	8.8	13.2