Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101123\
Data File : VU055747.D
Acq On : 11 Oct 2023 14:58
Operator : MD/SY
Sample : 04792-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Oct 12 01:56:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 12 01:53:31 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	415236	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	417490	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	200115	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	155946	41.870	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 83.740%			
7) Chloroethane-d5	1.888	69	131739	43.271	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 86.540%			
11) 1,1-Dichloroethene-d2	2.560	63	220706	33.234	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 66.460%			
21) 2-Butanone-d5	4.615	46	255092	92.431	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 92.430%			
24) Chloroform-d	5.055	84	322412	45.155	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.300%			
26) 1,2-Dichloroethane-d4	5.695	65	214378	48.779	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.560%			
32) Benzene-d6	5.721	84	636002	47.613	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.220%			
36) 1,2-Dichloropropane-d6	6.685	67	202066	47.783	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 95.560%			
41) Toluene-d8	7.894	98	550032	45.602	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 91.200%			
43) trans-1,3-Dichloroprop...	8.177	79	89812	44.212	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 88.420%			
47) 2-Hexanone-d5	8.630	63	175094	105.323	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 105.320%			
56) 1,1,2,2-Tetrachloroeth...	10.753	84	338630	52.024	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 104.040%			
66) 1,2-Dichlorobenzene-d4	12.190	152	211827	53.341	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 106.680%			
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	110810	30.778	ug/L	98
12) 1,1-Dichloroethene	2.563	96	1940	0.659	ug/L #	1
17) trans-1,2-Dichloroethene	3.348	96	4058	1.348	ug/L	99
18) Methyl tert-butyl Ether	3.354	73	318334	32.883	ug/L	95
20) cis-1,2-Dichloroethene	4.660	96	440528	128.227	ug/L	98
33) Benzene	5.769	78	108354	8.210	ug/L	100
34) Trichloroethene	6.537	95	6821	1.889	ug/L	85
44) trans-1,3-Dichloropropene	8.177	75	4612	0.872	ug/L #	62
46) Tetrachloroethene	8.550	164	27174	10.511	ug/L	94
48) 2-Hexanone	8.685	43	23873	5.590	ug/L #	38
49) Dibromochloromethane	8.550	129	26851	7.334	ug/L #	11
60) 1,2,3-Trichloropropane	11.810	75	25753	5.930	ug/L #	67

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

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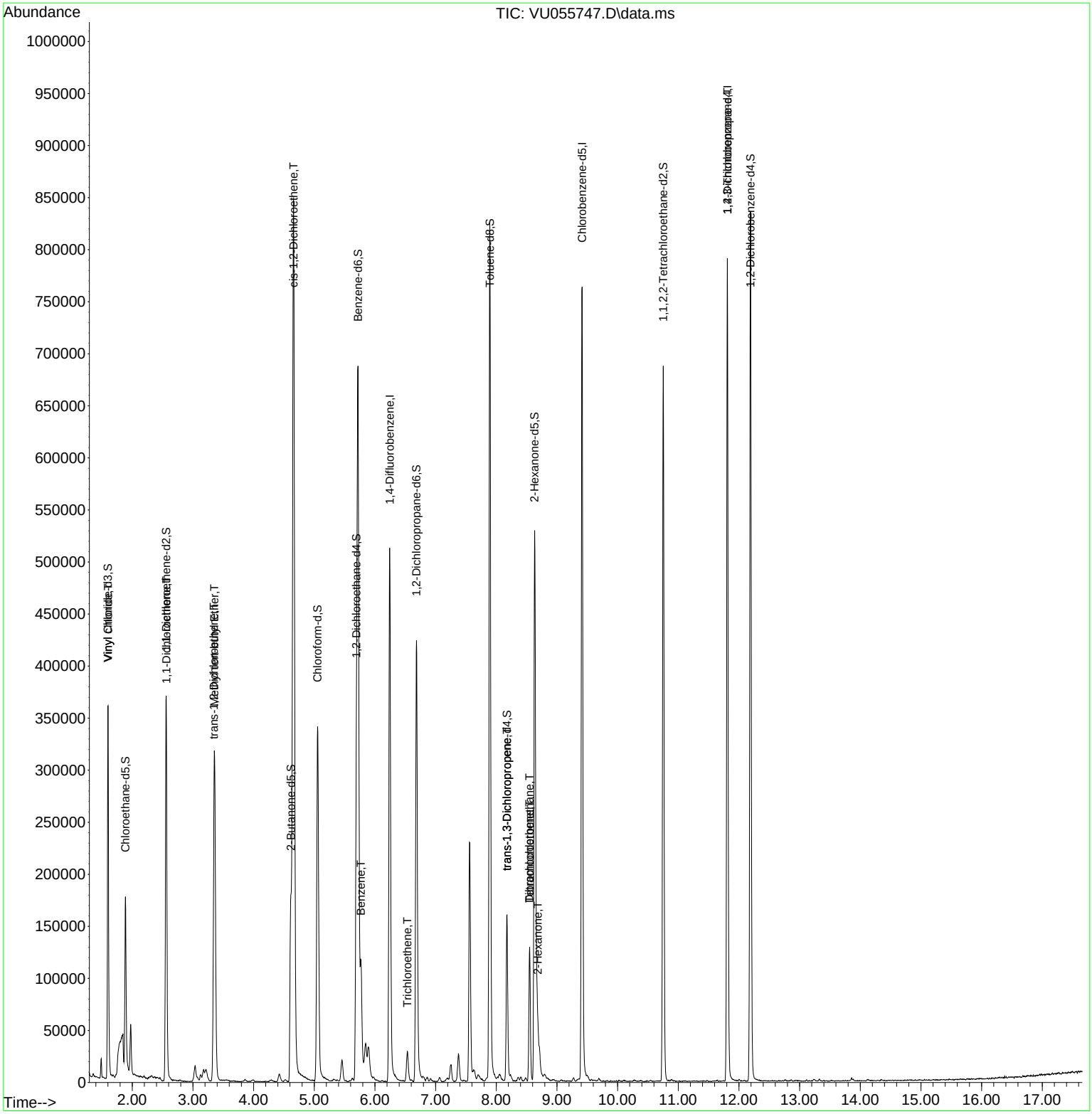
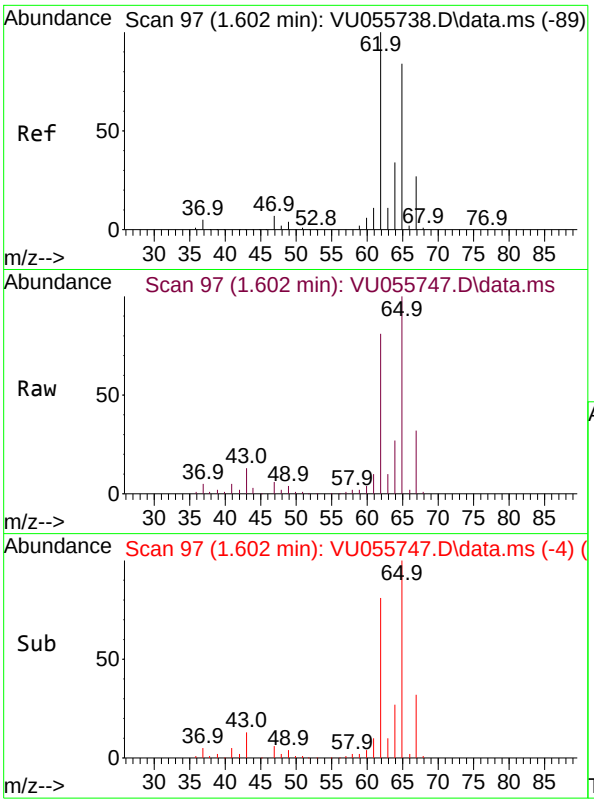
Quant Title : VOC Analysis
QLast Update : Thu Oct 12 01:53:31 2023
Response via : Initial Calibration



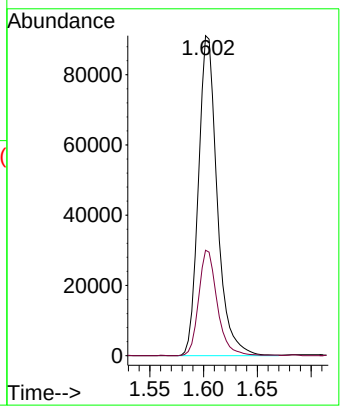


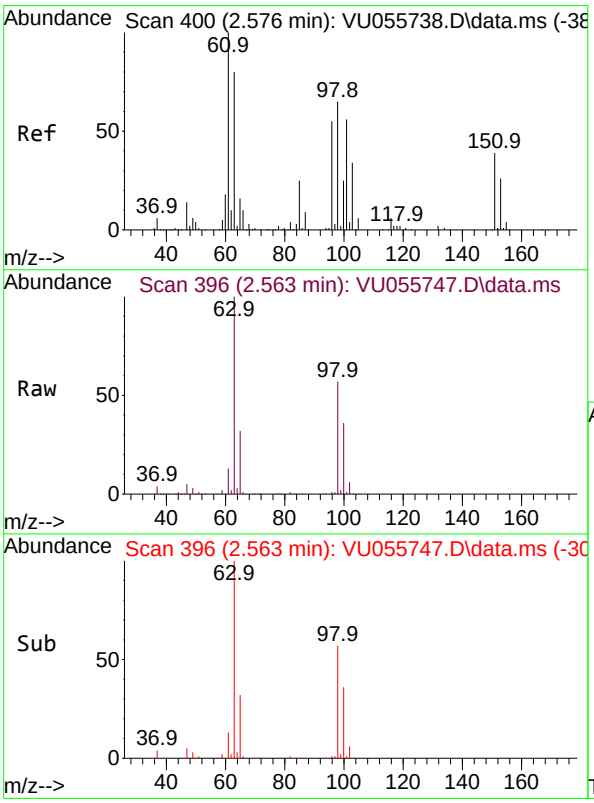
#5
Vinyl chloride
Concen: 30.778 ug/L
RT: 1.602 min Scan# 9
Delta R.T. -0.000 min
Lab File: VU055747.D
Acq: 11 Oct 2023 14:58

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 62 Resp: 110810

Ion	Ratio	Lower	Upper
62	100		
64	32.9	23.9	44.5

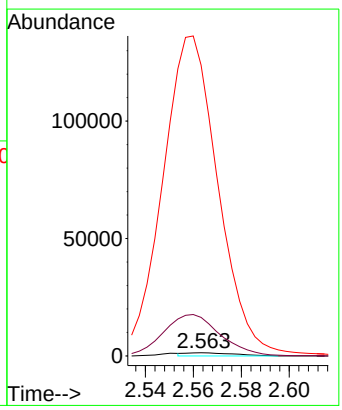


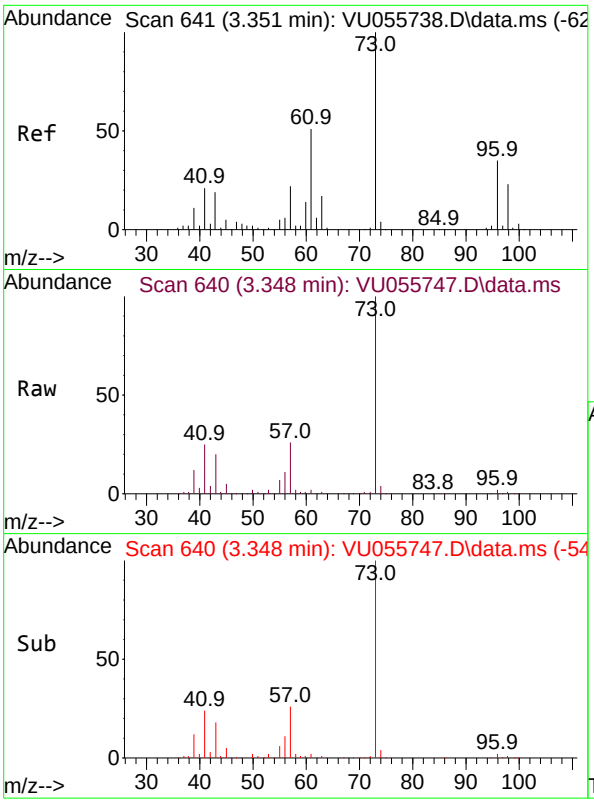


#12
1,1-Dichloroethene
Concen: 0.659 ug/L
RT: 2.563 min Scan# 396
Delta R.T. -0.013 min
Lab File: VU055747.D
Acq: 11 Oct 2023 14:58

Tgt Ion: 96 Resp: 1940

Ion	Ratio	Lower	Upper
96	100		
61	1214.8	122.0	226.6#
63	9160.4	93.7	174.1#



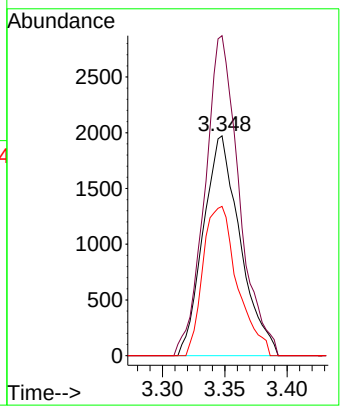


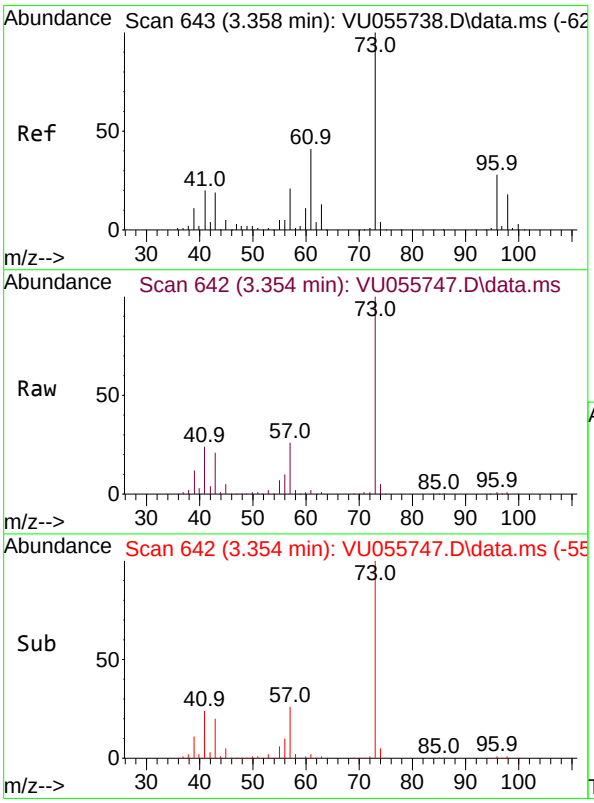
#17
trans-1,2-Dichloroethene
Concen: 1.348 ug/L
RT: 3.348 min Scan# 64
Delta R.T. -0.003 min
Lab File: VU055747.D
Acq: 11 Oct 2023 14:58

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 96 Resp: 4058

Ion	Ratio	Lower	Upper
96	100		
61	145.5	102.1	189.7
98	67.9	46.3	86.1

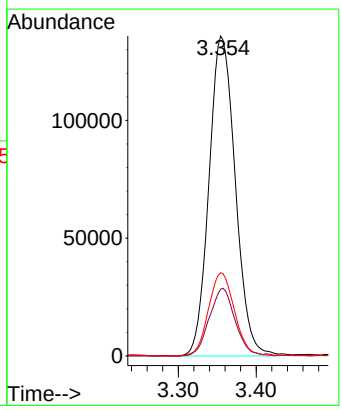


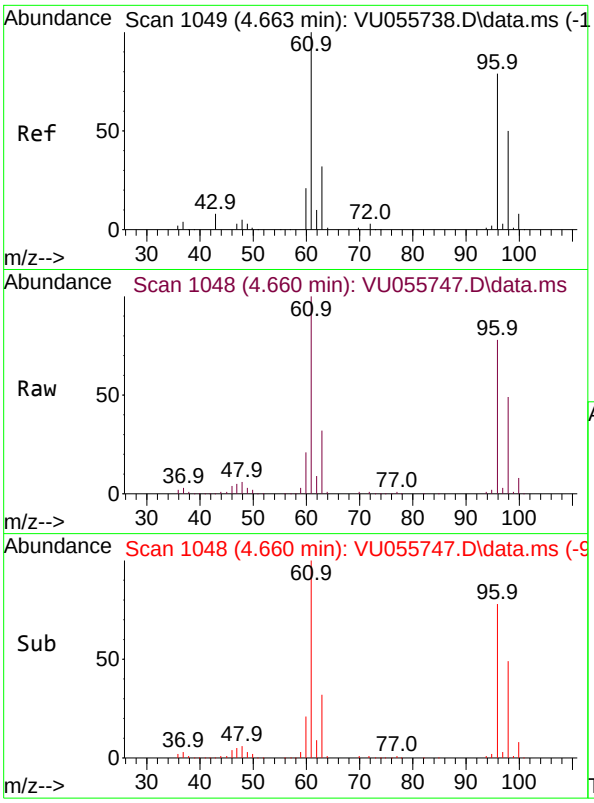


#18
Methyl tert-butyl Ether
Concen: 32.883 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.003 min
Lab File: VU055747.D
Acq: 11 Oct 2023 14:58

Tgt Ion: 73 Resp: 318334

Ion	Ratio	Lower	Upper
73	100		
43	20.7	15.4	23.2
57	25.7	17.7	26.5



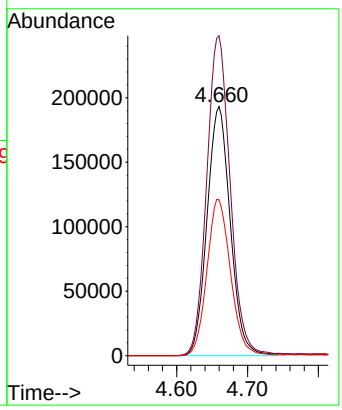


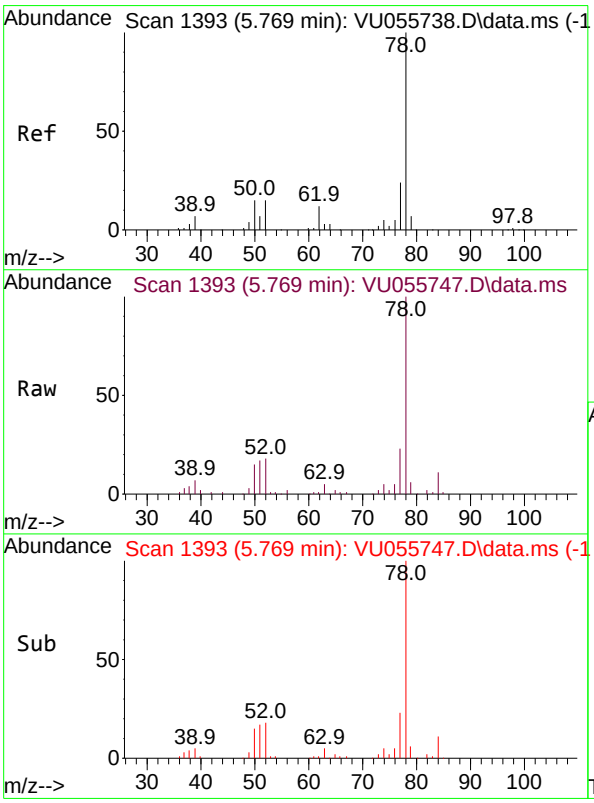
#20
cis-1,2-Dichloroethene
Concen: 128.227 ug/L
RT: 4.660 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU055747.D
Acq: 11 Oct 2023 14:58

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 96 Resp: 440528

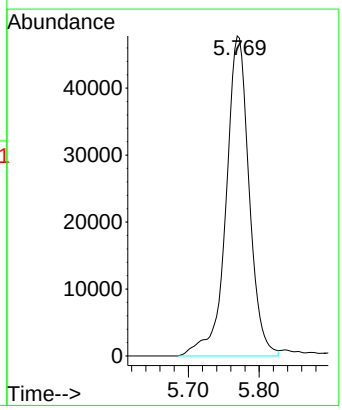
Ion	Ratio	Lower	Upper
96	100		
61	128.5	92.3	171.5
98	62.6	43.9	81.5

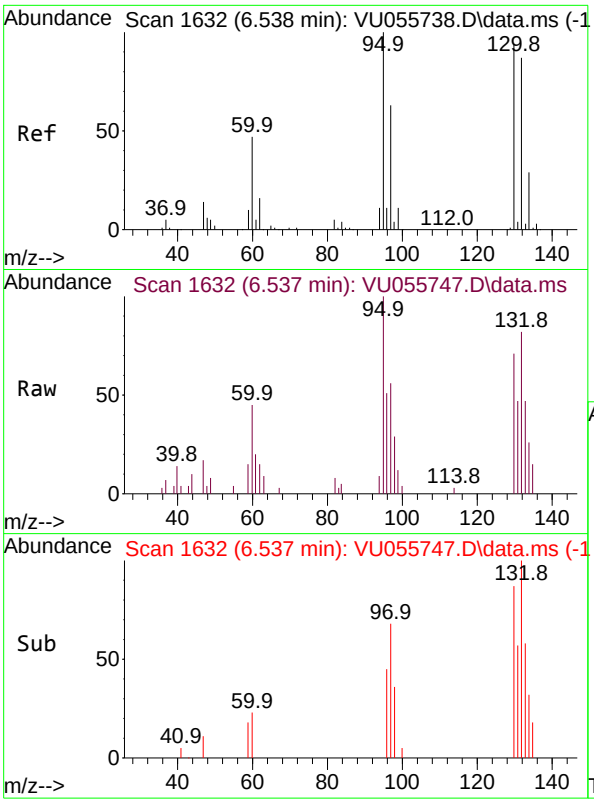




#33
Benzene
Concen: 8.210 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU055747.D
Acq: 11 Oct 2023 14:58

Tgt Ion: 78 Resp: 108354



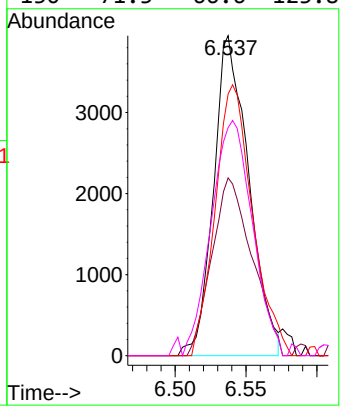


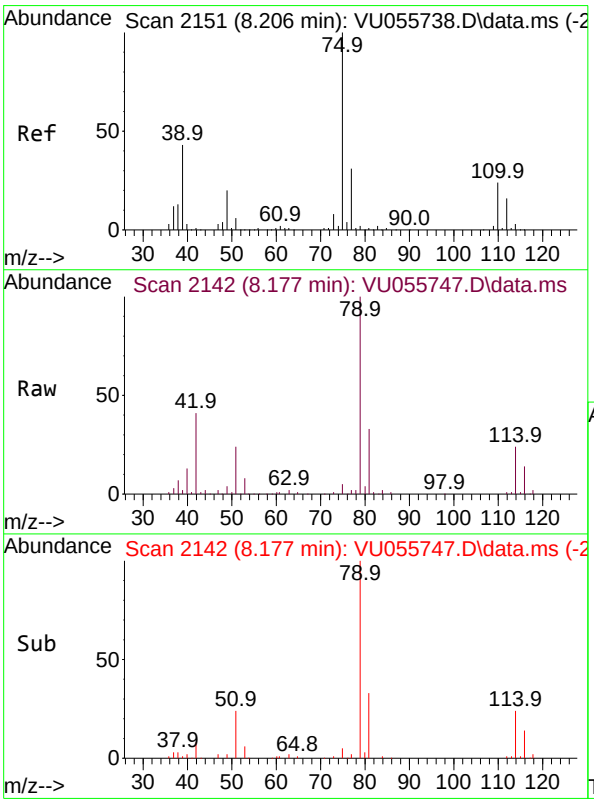
#34
Trichloroethene
Concen: 1.889 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU055747.D
Acq: 11 Oct 2023 14:58

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 6821

Ion	Ratio	Lower	Upper
95	100		
97	55.5	44.4	82.5
132	81.8	61.8	114.8
130	71.3	66.6	123.8

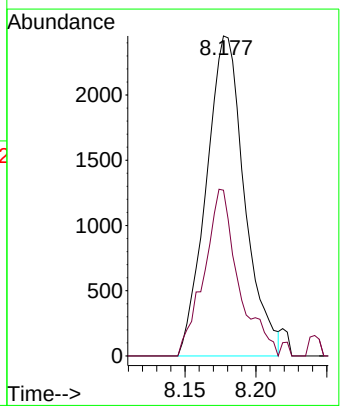


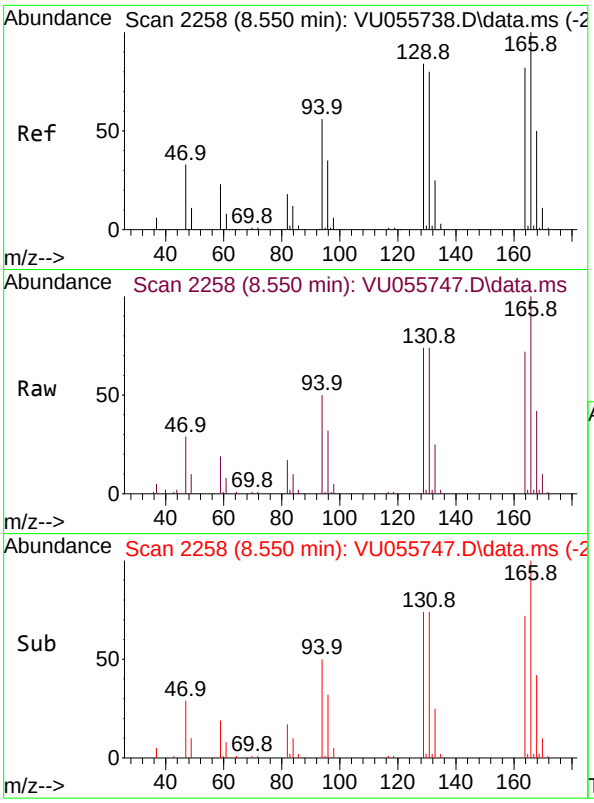


#44
trans-1,3-Dichloropropene
Concen: 0.872 ug/L
RT: 8.177 min Scan# 2142
Delta R.T. -0.029 min
Lab File: VU055747.D
Acq: 11 Oct 2023 14:58

Tgt Ion: 75 Resp: 4612

Ion	Ratio	Lower	Upper
75	100		
77	51.8	21.6	40.2#



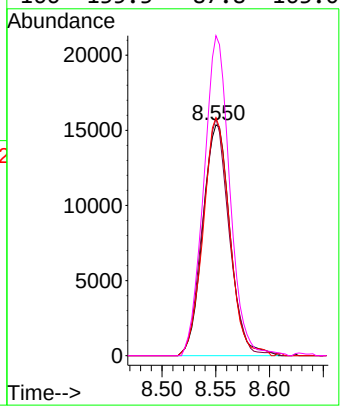


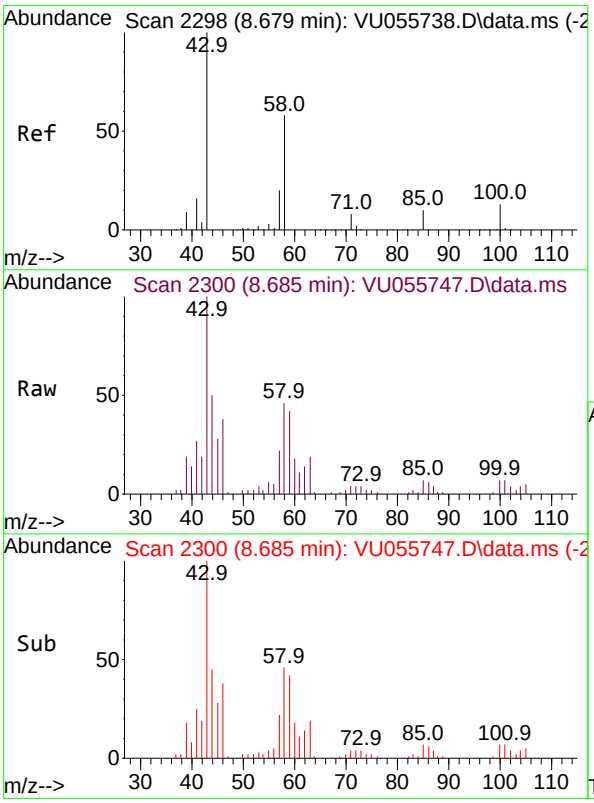
#46
Tetrachloroethene
Concen: 10.511 ug/L
RT: 8.550 min Scan# 2
Delta R.T. -0.000 min
Lab File: VU055747.D
Acq: 11 Oct 2023 14:58

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:164 Resp: 27174

Ion	Ratio	Lower	Upper
164	100		
129	102.6	70.7	131.3
131	100.7	65.9	122.5
166	135.3	87.8	163.0

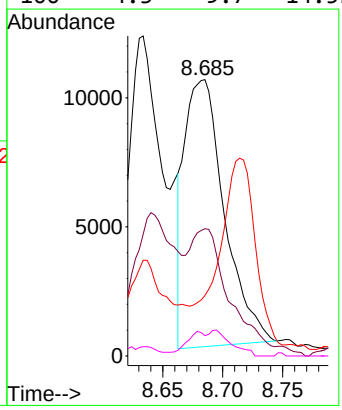


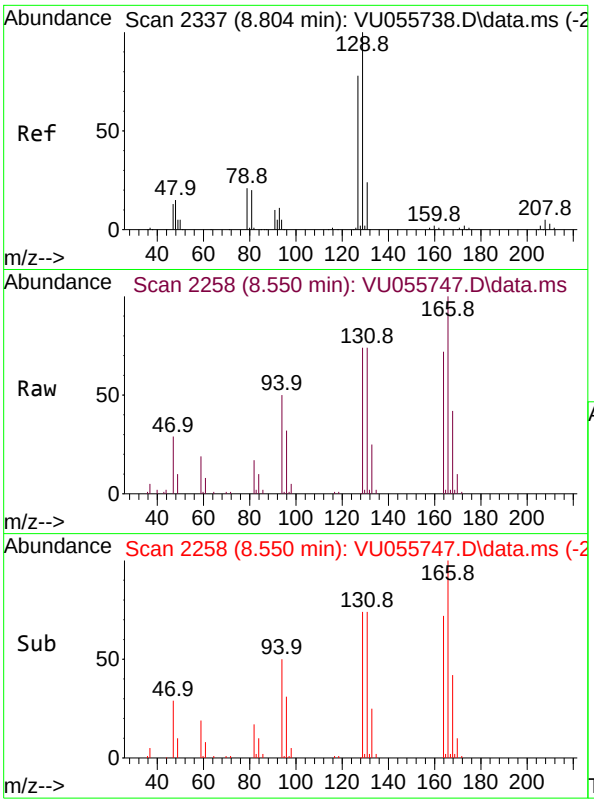


#48
2-Hexanone
Concen: 5.590 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.006 min
Lab File: VU055747.D
Acq: 11 Oct 2023 14:58

Tgt Ion: 43 Resp: 23873

Ion	Ratio	Lower	Upper
43	100		
58	0.0	45.2	67.8#
57	0.0	16.1	24.1#
100	4.3	9.7	14.5#



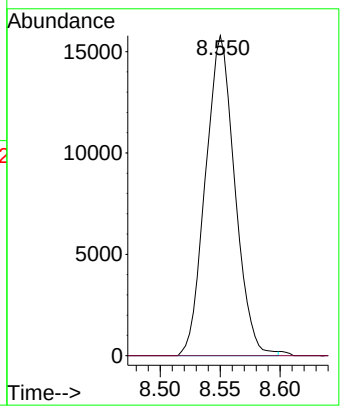


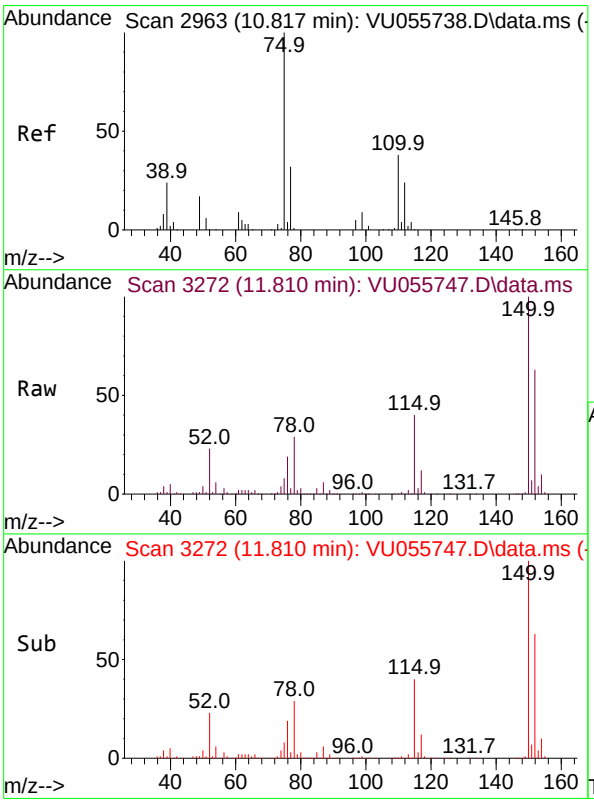
#49
Dibromochloromethane
Concen: 7.334 ug/L
RT: 8.550 min Scan# 2
Delta R.T. -0.254 min
Lab File: VU055747.D
Acq: 11 Oct 2023 14:58

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:129 Resp: 26851

Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.0	100.4#





#60
1,2,3-Trichloropropane
Concen: 5.930 ug/L
RT: 11.810 min Scan# 3272
Delta R.T. 0.993 min
Lab File: VU055747.D
Acq: 11 Oct 2023 14:58

Tgt Ion: 75 Resp: 25753

Ion	Ratio	Lower	Upper
75	100		
77	35.8	25.8	38.8
110	1.6	28.5	42.7#