Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101718\
Data File : VU027683.D
Acq On : 17 Oct 2018 17:20
Operator : MD/SY
Sample : J5463-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JC4

Quant Time: Oct 19 06:50:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 19 06:41:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	79786	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	74393	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	36437	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	27650	4.37	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 87.40%			
7) Chloroethane-d5	1.68	69	22415	4.70	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 94.00%			
11) 1,1-Dichloroethene-d2	2.28	63	81312	7.22	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 144.40%#			
20) 2-Butanone-d5	4.20	46	89655	49.73	ug/L	-0.02
Spiked Amount 50.000	Range 40 - 130		Recovery = 99.46%			
24) Chloroform-d	4.65	84	48506	4.91	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 98.20%			
26) 1,2-Dichloroethane-d4	5.31	65	26566	4.79	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 95.80%			
32) Benzene-d6	5.34	84	104068	5.13	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 102.60%			
36) 1,2-Dichloropropane-d6	6.33	67	35853	5.07	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 101.40%			
41) Toluene-d8	7.57	98	97978	5.00	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 100.00%			
43) trans-1,3-Dichloropropene-	7.85	79	14505	4.65	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 93.00%			
46) 2-Hexanone-d5	8.31	63	75745	49.56	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 99.12%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	26396	4.79	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 95.80%			
64) 1,2-Dichlorobenzene-d4	11.86	152	35991	5.27	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 105.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	602	0.092	ug/L #	81
5) Vinyl chloride	1.40	62	1006	0.129	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	572	0.105	ug/L #	36
12) 1,1-Dichloroethene	2.29	96	75829	14.043	ug/L #	79
13) Acetone	2.33	43	3152	2.734	ug/L	93
17) Methyl tert-butyl Ether	3.01	73	5363	0.359	ug/L	95
18) trans-1,2-Dichloroethene	2.98	96	1360	0.237	ug/L	92
19) 1,1-Dichloroethane	3.45	63	16629	1.456	ug/L	98
22) cis-1,2-Dichloroethene	4.23	96	85324	13.430	ug/L #	94
25) Chloroform	4.68	83	2522	0.229	ug/L	90
27) 1,2-Dichloroethane	5.41	62	616	0.088	ug/L #	72
29) 1,1,1-Trichloroethane	4.92	97	9048	0.992	ug/L	98
31) Carbon tetrachloride	4.92	117	1122	0.136	ug/L	94
34) Trichloroethene	6.19	95	150138	23.825	ug/L	97
35) Methylcyclohexane	6.33	83	7931	0.730	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	3657	0.523	ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	889	0.087	ug/L #	65

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101718\
Data File : VU027683.D
Acq On : 17 Oct 2018 17:20
Operator : MD/SY
Sample : J5463-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JC4

Quant Time: Oct 19 06:50:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 19 06:41:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Toluene	7.64	91	3801	0.145	ug/L		95
45) 1,1,2-Trichloroethane	8.08	97	722	0.161	ug/L		94
47) Tetrachloroethene	8.23	164	199329	39.619	ug/L		99
49) Dibromochloromethane	8.23	129	186827	33.444	ug/L	#	11
53) m,p-xylene	9.38	106	1020	0.095	ug/L		99
59) 1,2,3-Trichloropropane	11.48	75	4537	1.129	ug/L		91

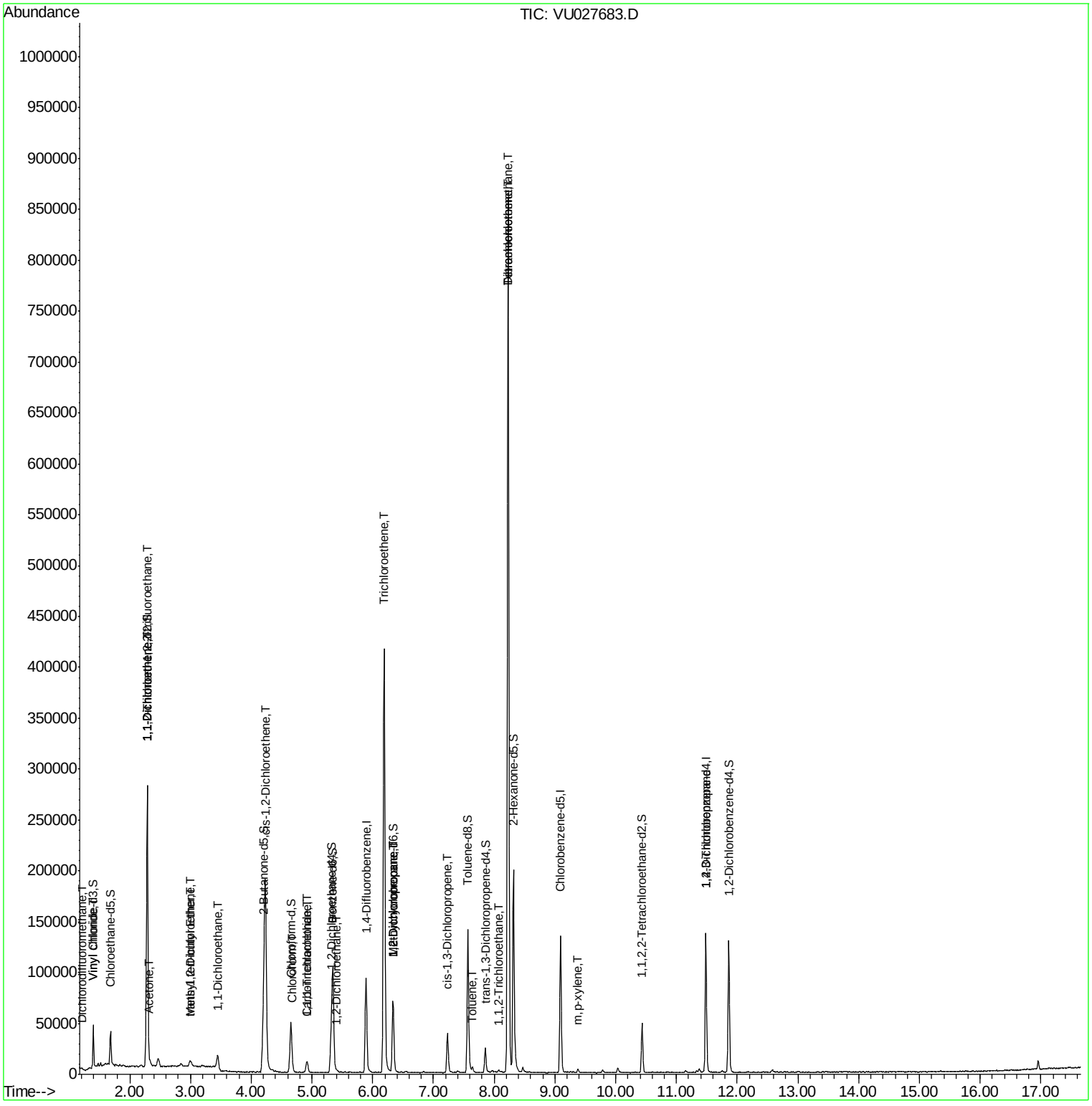
(#) = qualifier out of range (m) = manual integration (+) = signals summed

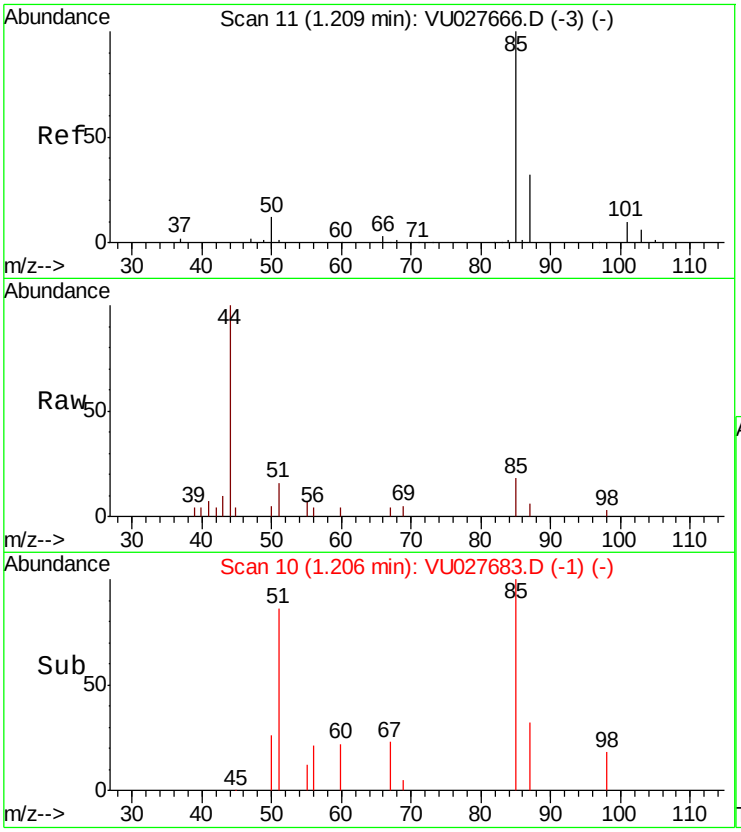
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101718\
Data File : VU027683.D
Acq On : 17 Oct 2018 17:20
Operator : MD/SY
Sample : J5463-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JC4

Quant Time: Oct 19 06:50:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 19 06:41:15 2018
Response via : Initial Calibration



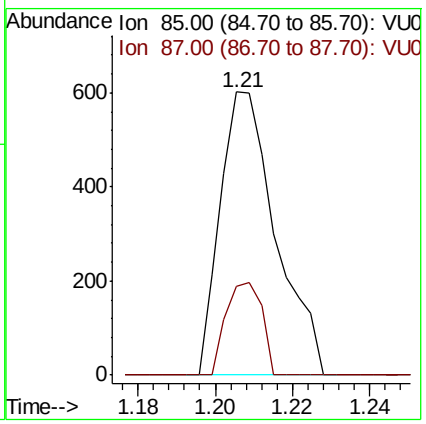


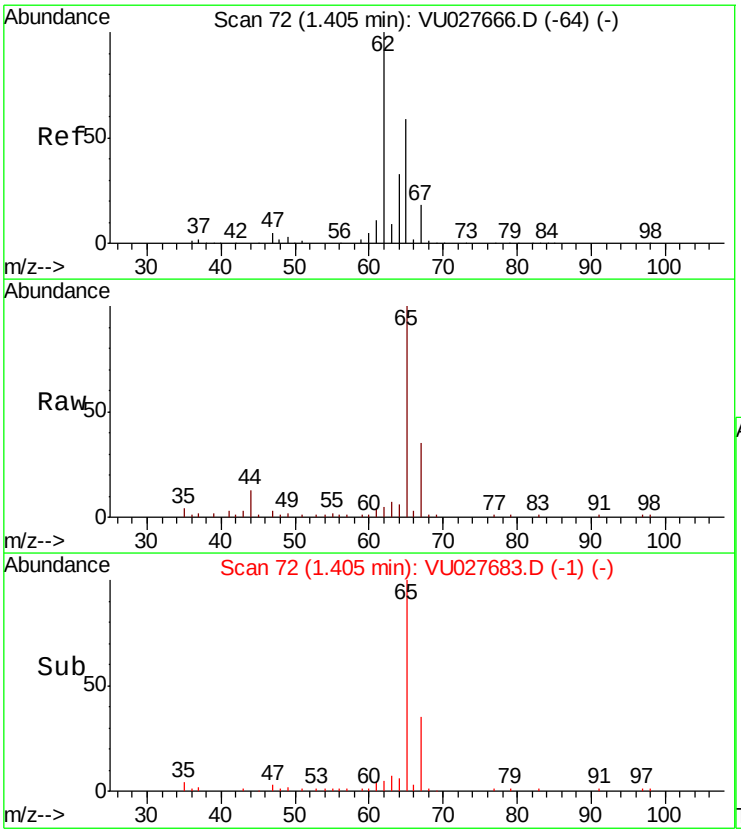
#2
Dichlorodifluoromethane
Concen: 0.092 ug/L
RT: 1.21 min Scan# 10
Delta R.T. -0.00 min
Lab File: VU027683.D
Acq: 17 Oct 2018 17:20

Instrument : MSVOA_U
ClientSampleId : C0JC4

Tgt Ion: 85 Resp: 602

Ion	Ratio	Lower	Upper
85	100		
87	20.9	25.4	38.0#

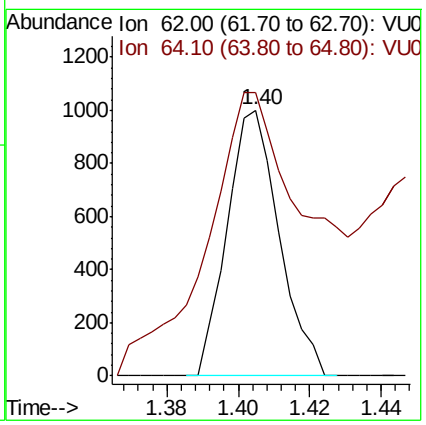


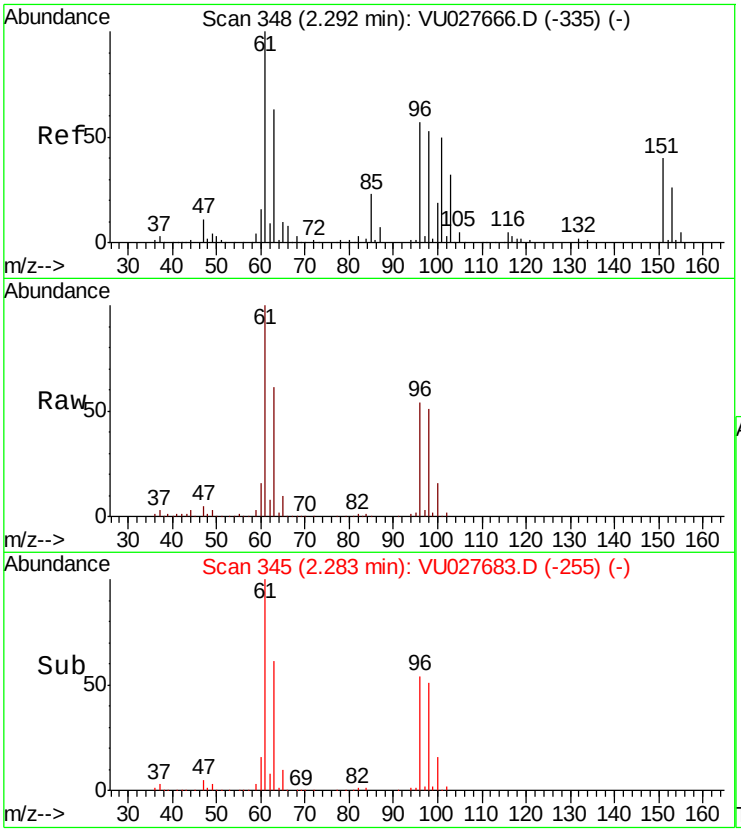


#5
Vinyl chloride
Concen: 0.129 ug/L
RT: 1.40 min Scan# 72
Delta R.T. 0.00 min
Lab File: VU027683.D
Acq: 17 Oct 2018 17:20

Tgt Ion: 62 Resp: 1006

Ion	Ratio	Lower	Upper
62	100		
64	106.6	22.9	42.5#



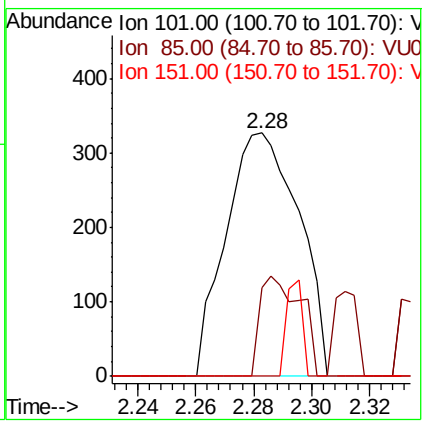


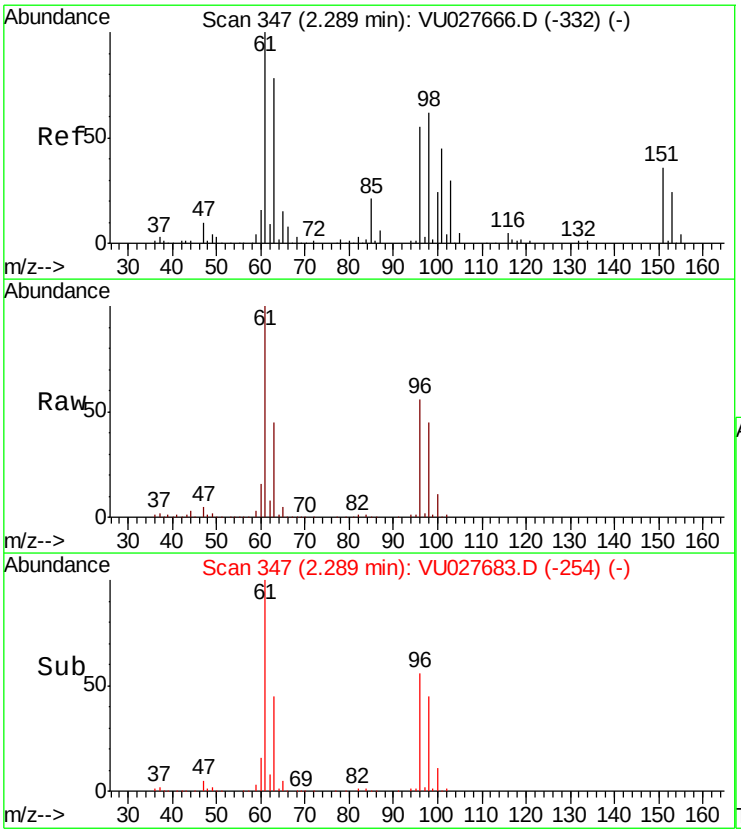
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.105 ug/L
RT: 2.28 min Scan# 345
Delta R.T. -0.01 min
Lab File: VU027683.D
Acq: 17 Oct 2018 17:20

Instrument : MSVOA_U
ClientSampleId : C0JC4

Tgt Ion:101 Resp: 572

Ion	Ratio	Lower	Upper
101	100		
85	22.9	35.6	53.4#
151	8.4	63.8	95.6#

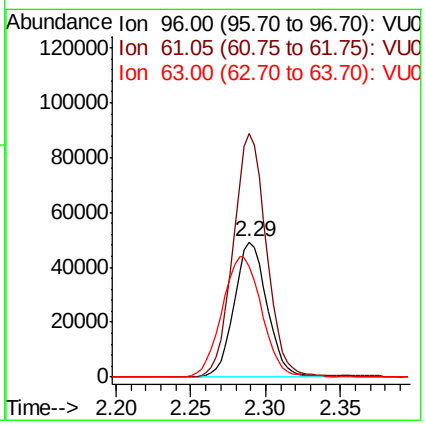


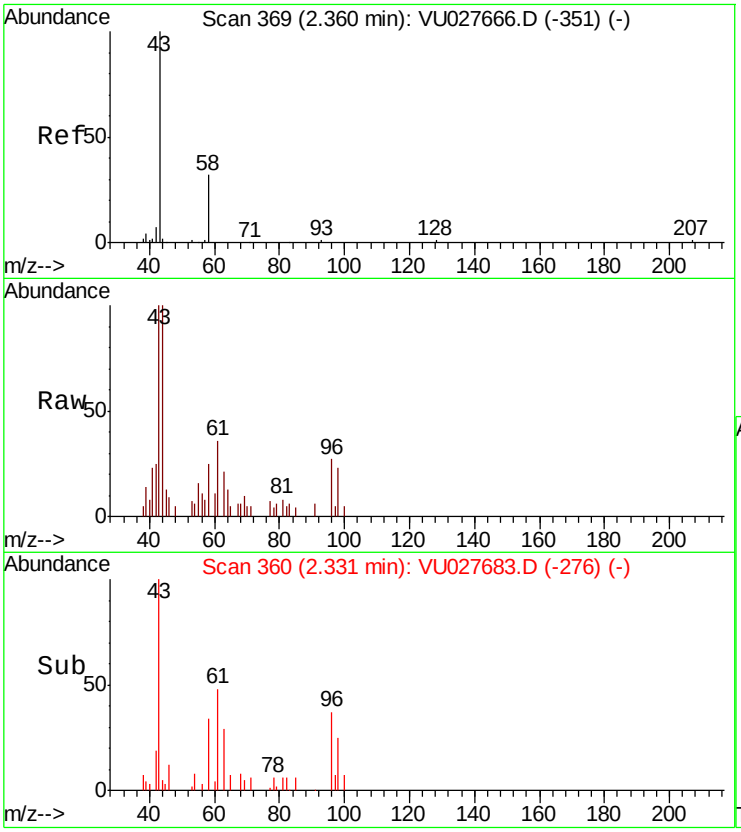


#12
1,1-Dichloroethene
Concen: 14.043 ug/L
RT: 2.29 min Scan# 347
Delta R.T. 0.00 min
Lab File: VU027683.D
Acq: 17 Oct 2018 17:20

Tgt Ion: 96 Resp: 75829

Ion	Ratio	Lower	Upper
96	100		
61	180.0	125.6	233.2
63	81.8	97.6	181.2#



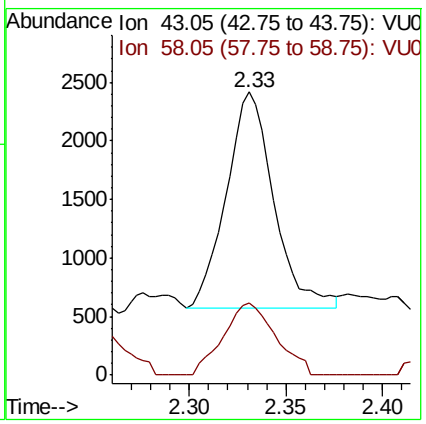


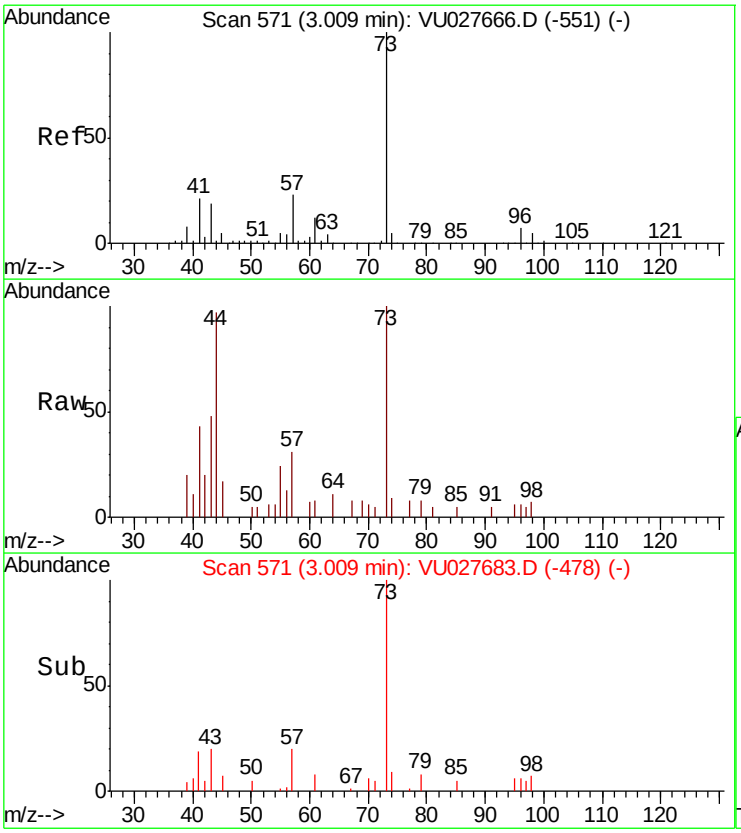
#13
Acetone
Concen: 2.734 ug/L
RT: 2.33 min Scan# 360
Delta R.T. -0.03 min
Lab File: VU027683.D
Acq: 17 Oct 2018 17:20

Instrument : MSVOA_U
ClientSampleId : C0JC4

Tgt Ion: 43 Resp: 3152

Ion	Ratio	Lower	Upper
43	100		
58	36.9	0.0	66.4

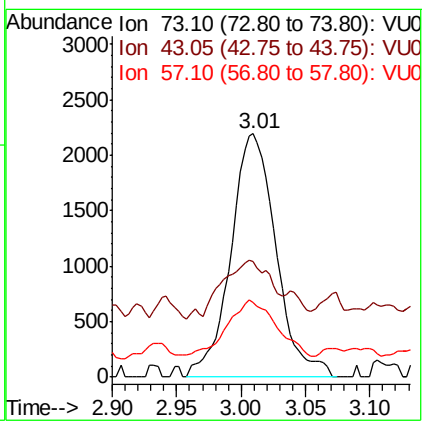


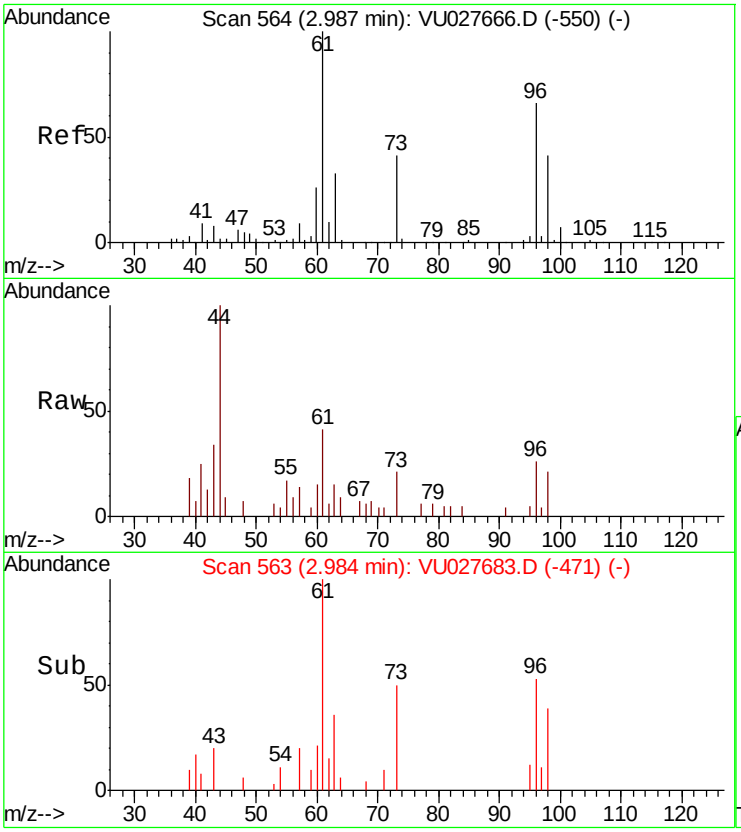


#17
Methyl tert-butyl Ether
Concen: 0.359 ug/L
RT: 3.01 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU027683.D
Acq: 17 Oct 2018 17:20

Tgt Ion: 73 Resp: 5363

Ion	Ratio	Lower	Upper
73	100		
43	23.3	15.8	23.8
57	24.7	18.7	28.1



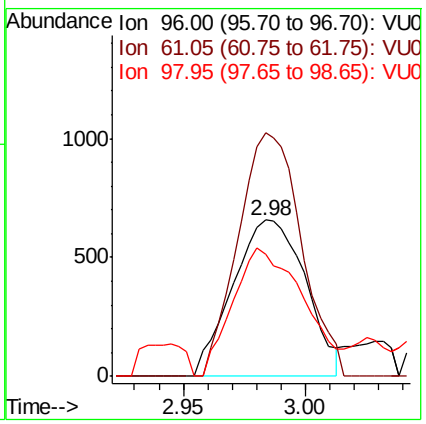


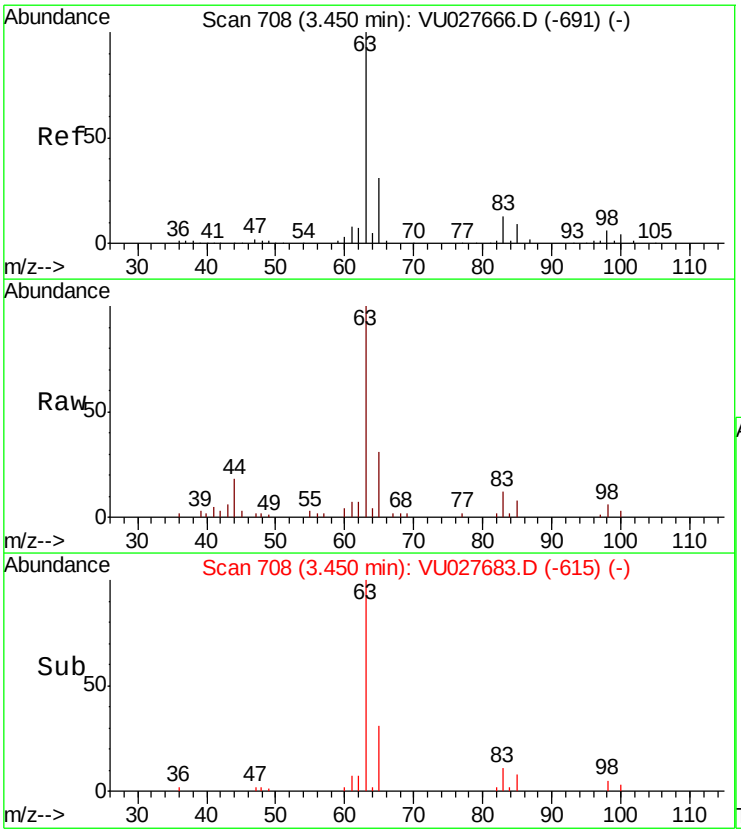
#18
trans-1,2-Dichloroethene
Concen: 0.237 ug/L
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU027683.D
Acq: 17 Oct 2018 17:20

Instrument :
MSVOA_U
ClientSampleId :
C0JC4

Tgt Ion: 96 Resp: 1360

Ion	Ratio	Lower	Upper
96	100		
61	155.6	105.8	196.4
98	78.1	43.6	81.0

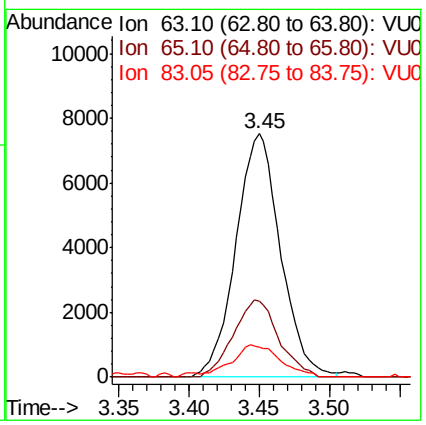


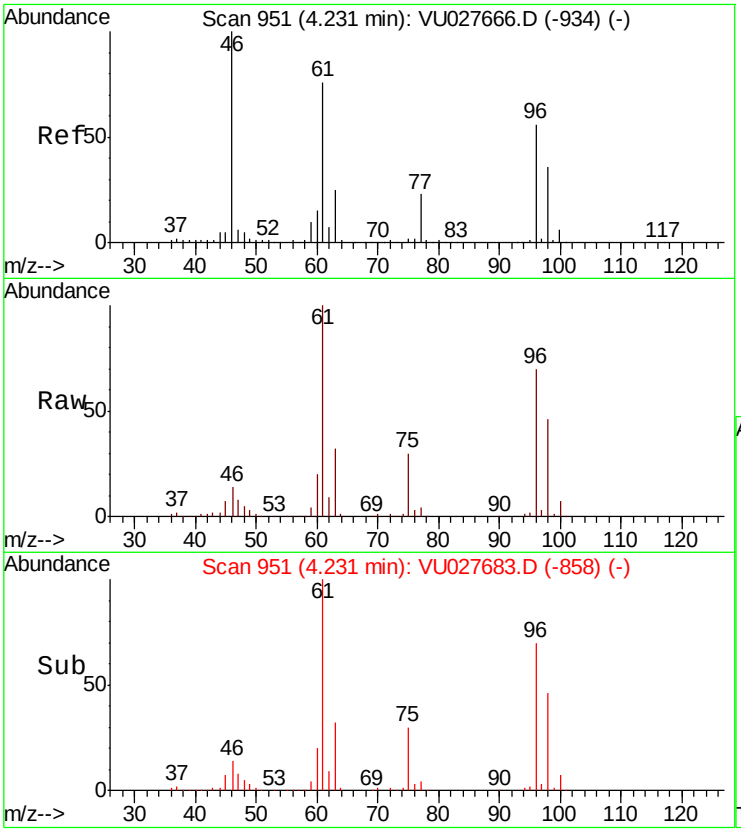


#19
1,1-Dichloroethane
Concen: 1.456 ug/L
RT: 3.45 min Scan# 708
Delta R.T. 0.00 min
Lab File: VU027683.D
Acq: 17 Oct 2018 17:20

Tgt Ion: 63 Resp: 16629

Ion	Ratio	Lower	Upper
63	100		
65	31.4	22.3	41.3
83	12.2	9.7	17.9



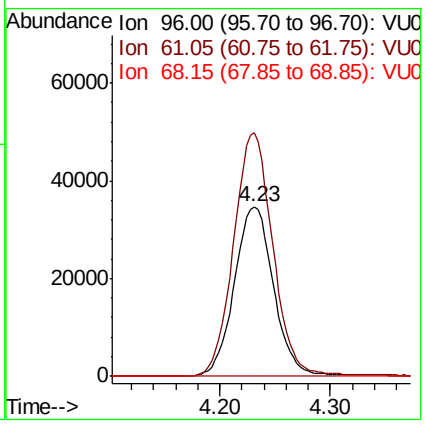


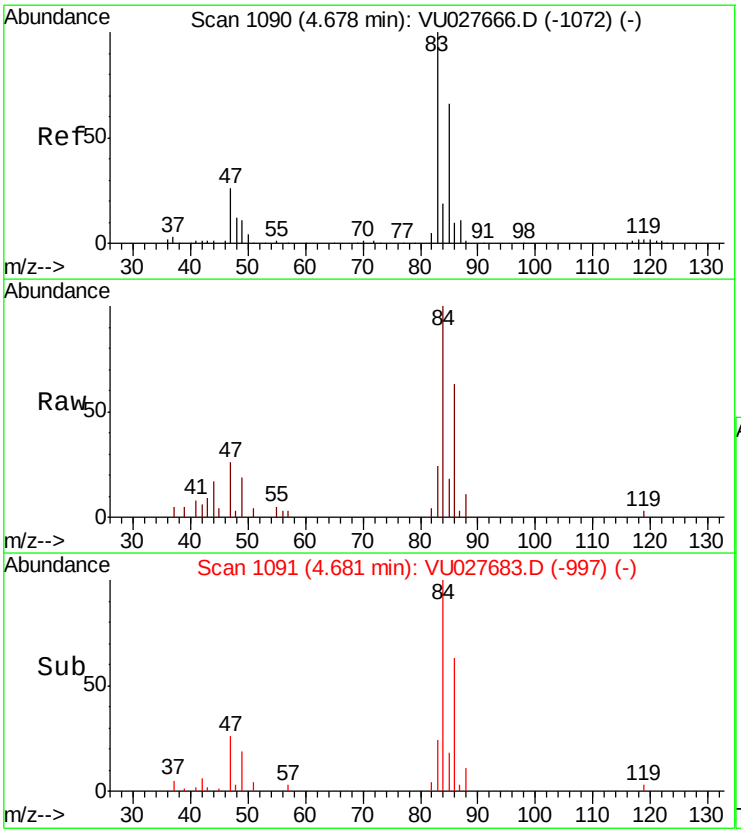
#22
cis-1,2-Dichloroethene
Concen: 13.430 ug/L
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU027683.D
Acq: 17 Oct 2018 17:20

Instrument :
MSVOA_U
ClientSampleId :
C0JC4

Tgt Ion: 96 Resp: 85324

Ion	Ratio	Lower	Upper
96	100		
61	143.4	95.3	176.9
68	0.0	1.1	2.1#

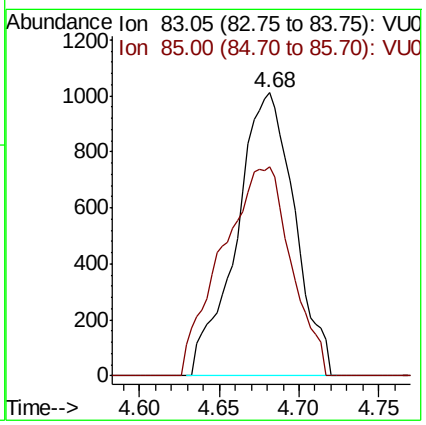


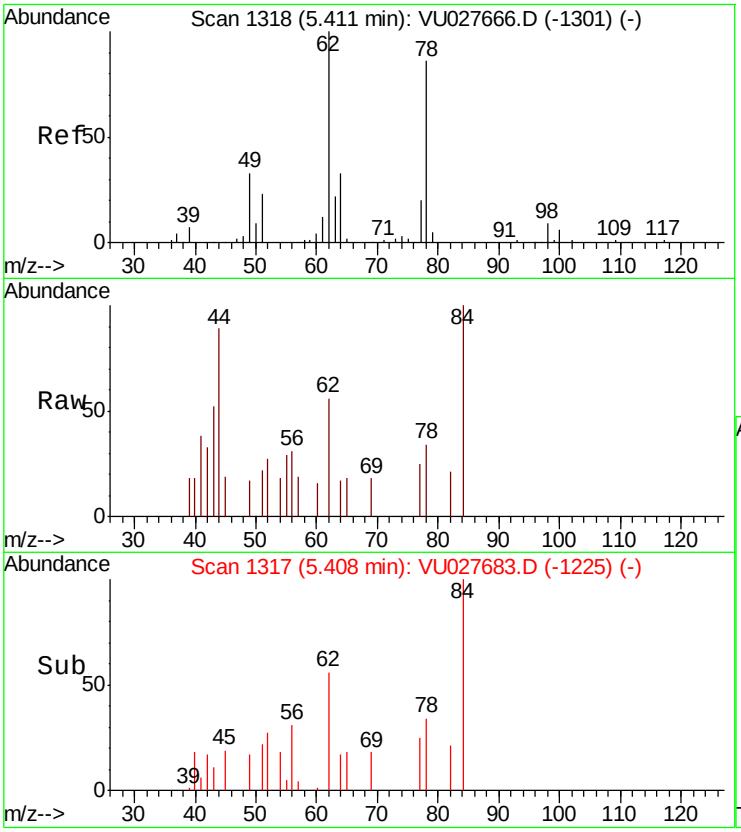


#25
Chloroform
Concen: 0.229 ug/L
RT: 4.68 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VU027683.D
Acq: 17 Oct 2018 17:20

Tgt Ion: 83 Resp: 2522

Ion	Ratio	Lower	Upper
83	100		
85	73.7	46.1	85.7



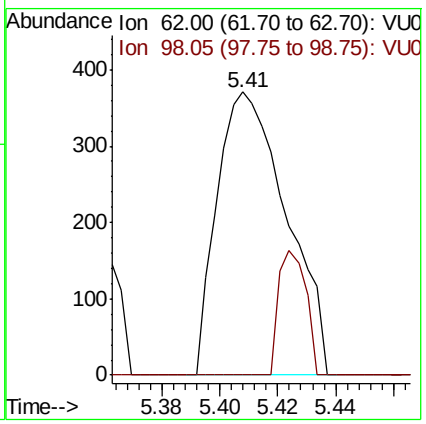


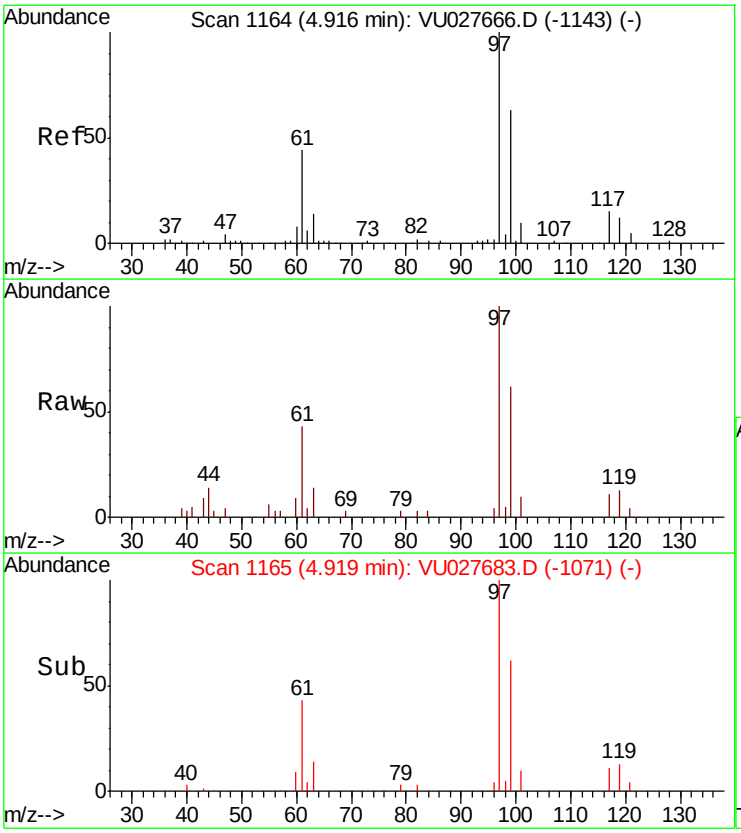
#27
1,2-Dichloroethane
Concen: 0.088 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VU027683.D
Acq: 17 Oct 2018 17:20

Instrument :
MSVOA_U
ClientSampleId :
C0JC4

Tgt Ion: 62 Resp: 616

Ion	Ratio	Lower	Upper
62	100		
98	0.0	8.4	12.6#

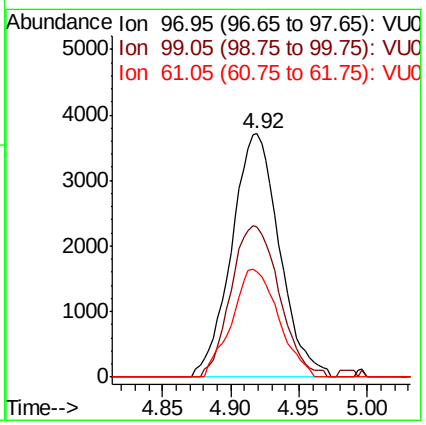


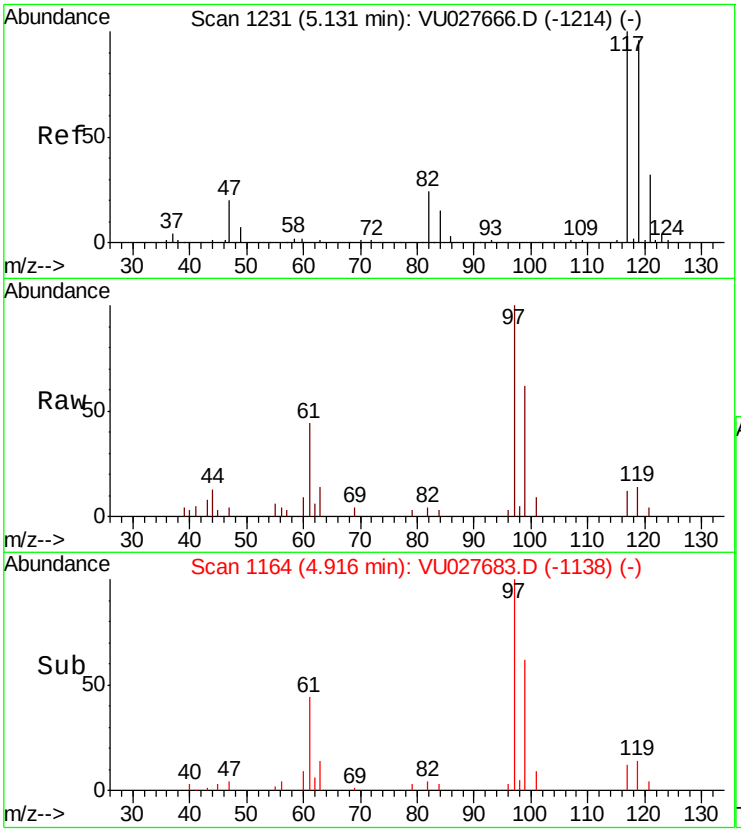


#29
1,1,1-Trichloroethane
Concen: 0.992 ug/L
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027683.D
Acq: 17 Oct 2018 17:20

Tgt Ion: 97 Resp: 9048

Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.4	77.2
61	43.1	35.7	53.5



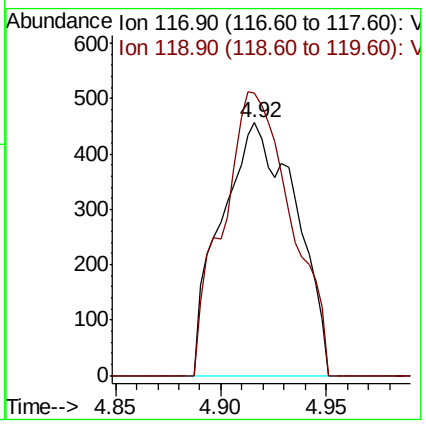


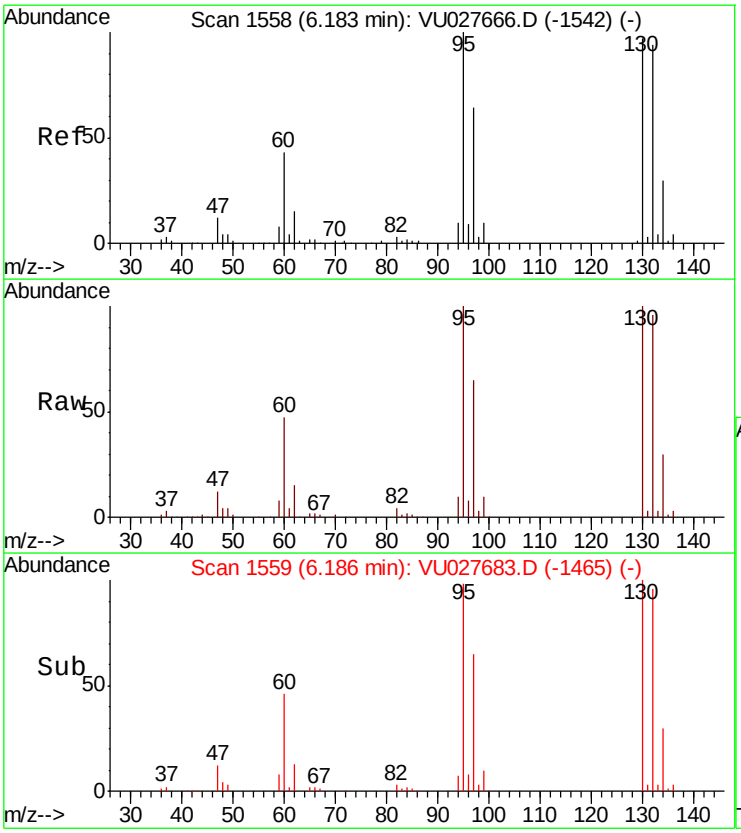
#31
Carbon tetrachloride
Concen: 0.136 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. -0.22 min
Lab File: VU027683.D
Acq: 17 Oct 2018 17:20

Instrument :
MSVOA_U
ClientSampleId :
C0JC4

Tgt Ion:117 Resp: 1122

Ion	Ratio	Lower	Upper
117	100		
119	102.7	77.1	115.7

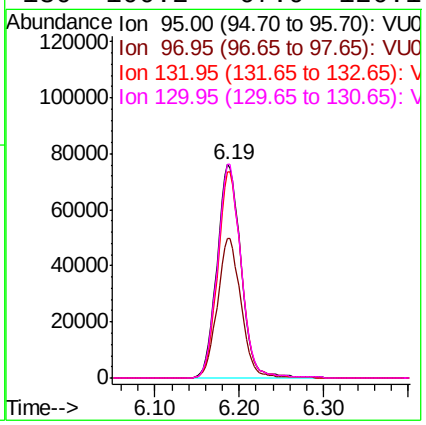


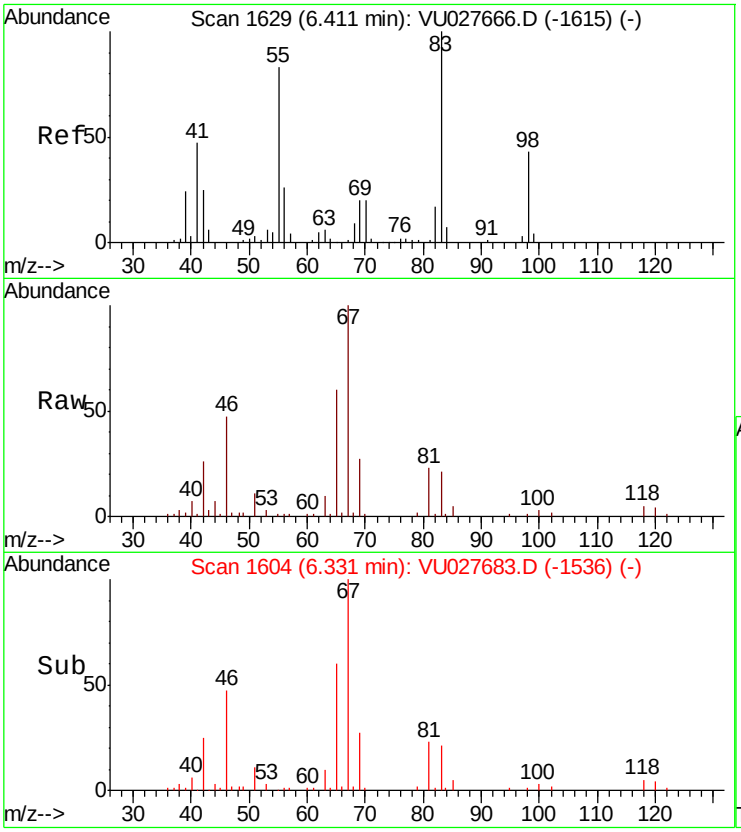


#34
Trichloroethene
Concen: 23.825 ug/L
RT: 6.19 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VU027683.D
Acq: 17 Oct 2018 17:20

Tgt Ion: 95 Resp: 150138

Ion	Ratio	Lower	Upper
95	100		
97	65.4	44.7	83.1
132	96.4	65.9	122.5
130	100.2	67.9	126.1



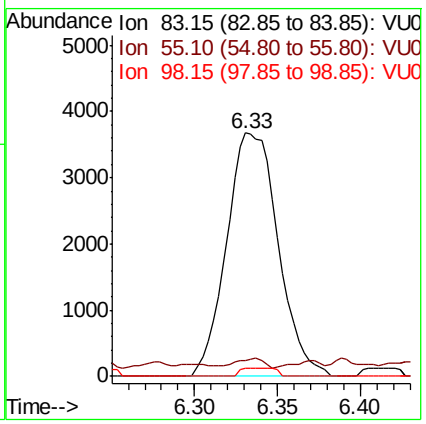


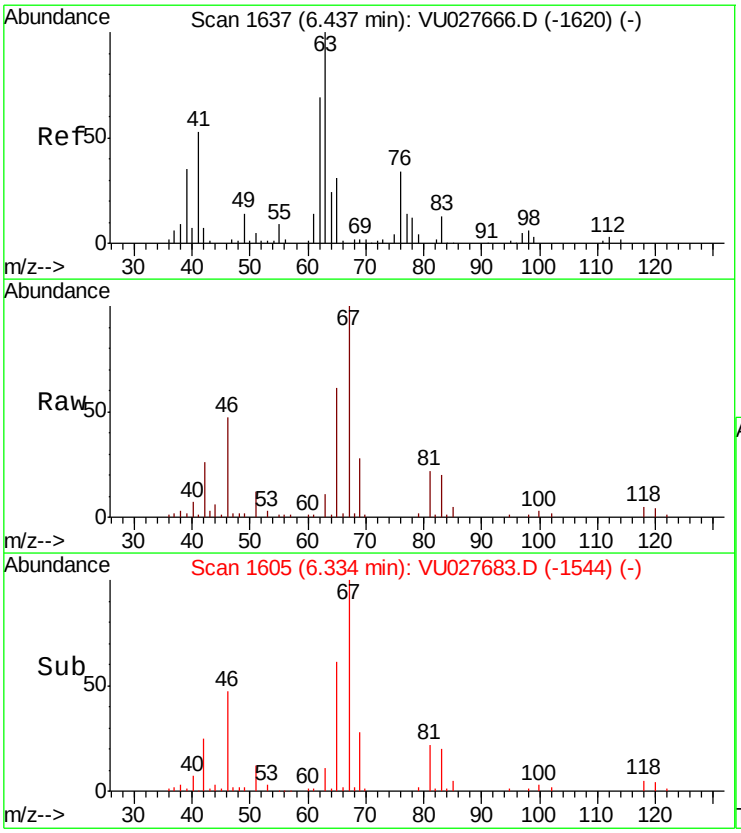
#35
Methylcyclohexane
Concen: 0.730 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.08 min
Lab File: VU027683.D
Acq: 17 Oct 2018 17:20

Instrument : MSVOA_U
ClientSampleId : C0JC4

Tgt Ion: 83 Resp: 7931

Ion	Ratio	Lower	Upper
83	100		
55	2.1	69.0	103.4#
98	2.2	35.4	53.2#

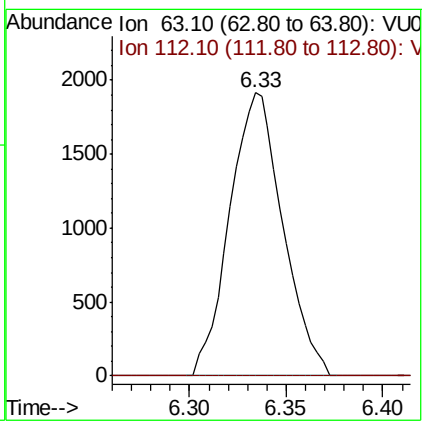


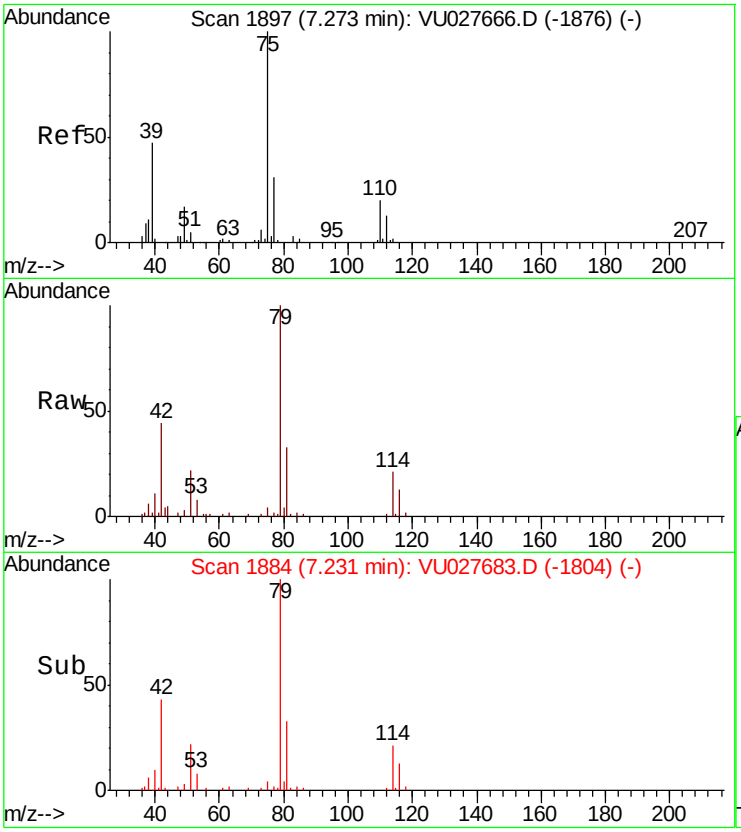


#37
1,2-Dichloropropane
Concen: 0.523 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU027683.D
Acq: 17 Oct 2018 17:20

Tgt Ion: 63 Resp: 3657

Ion	Ratio	Lower	Upper
63	100		
112	0.0	2.8	4.2#



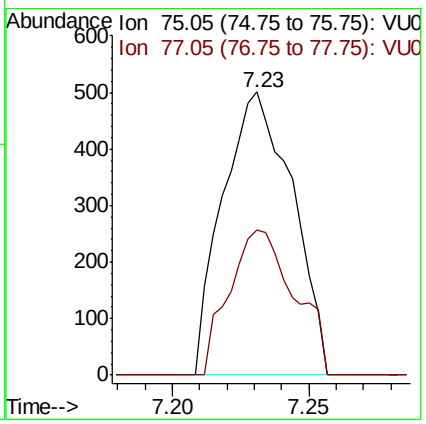


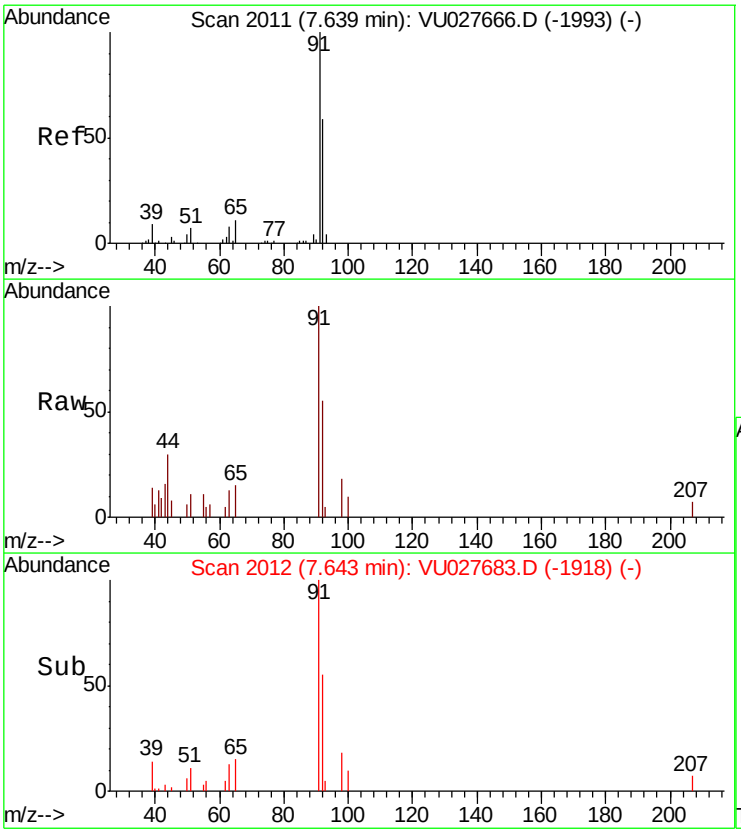
#39
cis-1,3-Dichloropropene
Concen: 0.087 ug/L
RT: 7.23 min Scan# 1884
Delta R.T. -0.04 min
Lab File: VU027683.D
Acq: 17 Oct 2018 17:20

Instrument :
MSVOA_U
ClientSampleId :
C0JC4

Tgt Ion: 75 Resp: 889

Ion	Ratio	Lower	Upper
75	100		
77	51.3	22.2	41.2#

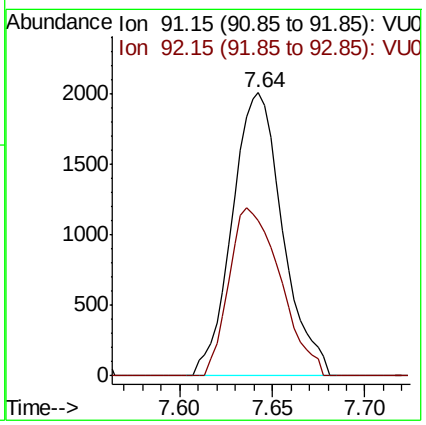


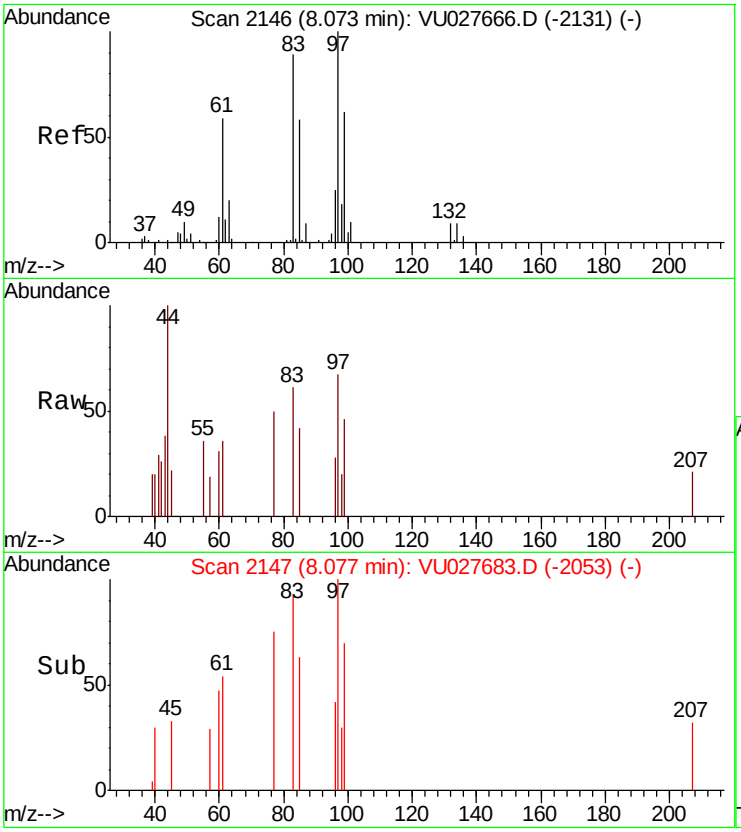


#42
Toluene
Concen: 0.145 ug/L
RT: 7.64 min Scan# 2012
Delta R.T. 0.00 min
Lab File: VU027683.D
Acq: 17 Oct 2018 17:20

Tgt Ion: 91 Resp: 3801

Ion	Ratio	Lower	Upper
91	100		
92	55.1	41.1	76.3



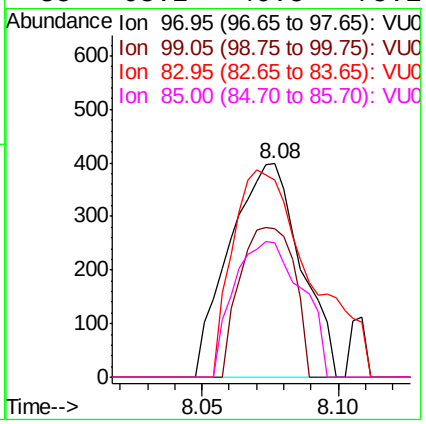


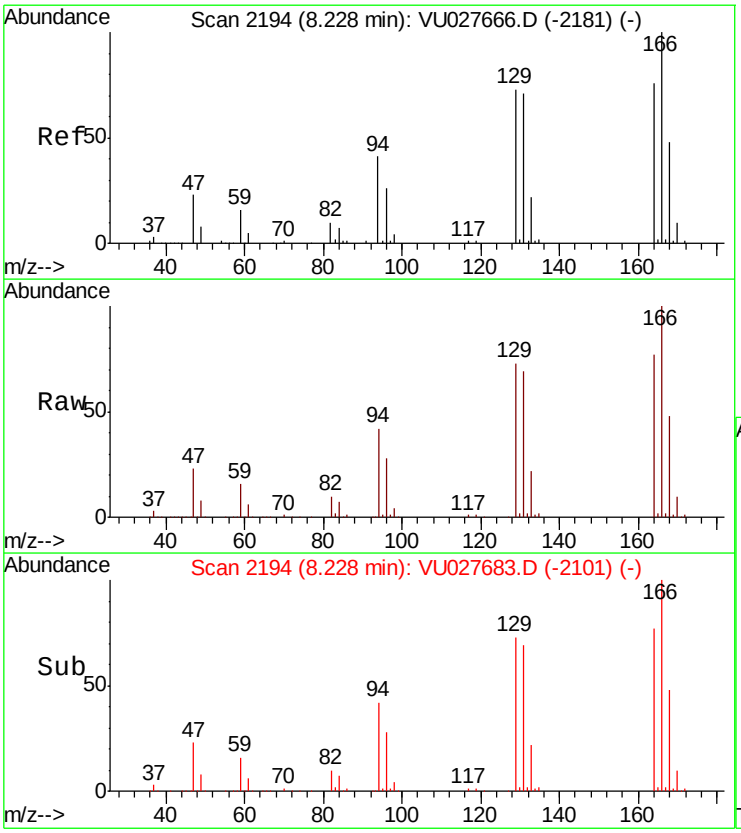
#45
1,1,2-Trichloroethane
Concen: 0.161 ug/L
RT: 8.08 min Scan# 2147
Delta R.T. 0.00 min
Lab File: VU027683.D
Acq: 17 Oct 2018 17:20

Instrument : MSVOA_U
ClientSampleId : C0JC4

Tgt Ion: 97 Resp: 722

Ion	Ratio	Lower	Upper
97	100		
99	69.7	43.5	80.7
83	92.0	62.0	115.2
85	63.2	40.5	75.1

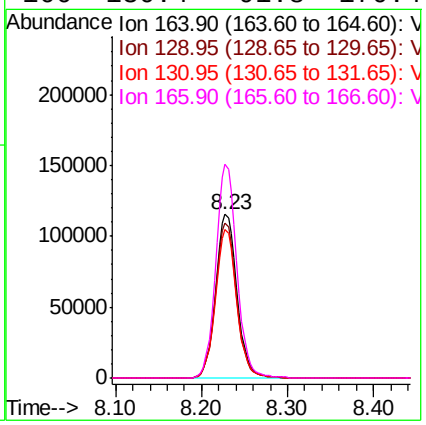


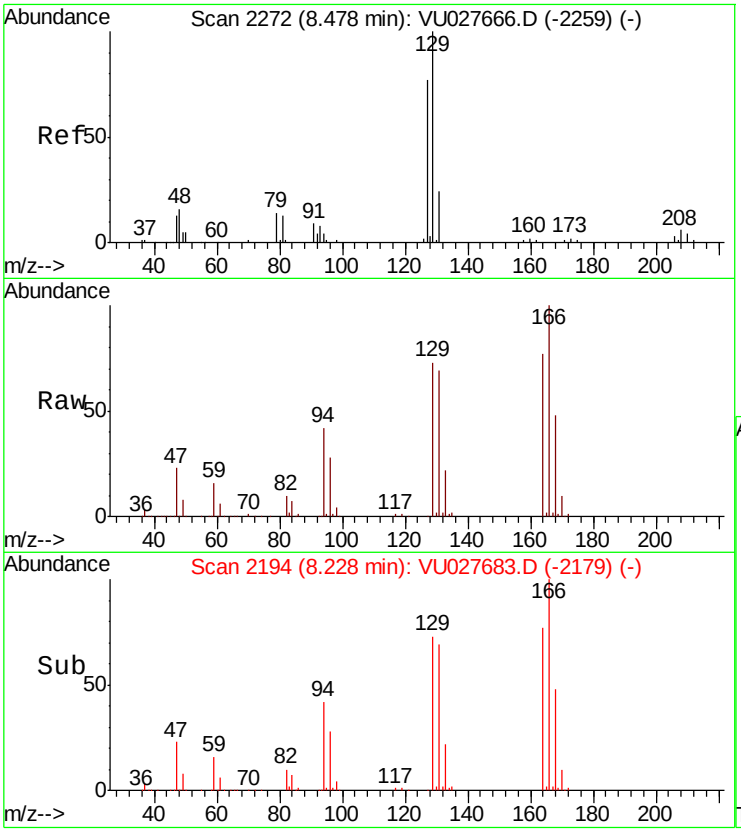


#47
Tetrachloroethene
Concen: 39.619 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027683.D
Acq: 17 Oct 2018 17:20

Tgt Ion:164 Resp: 199329

Ion	Ratio	Lower	Upper
164	100		
129	94.9	67.3	124.9
131	90.3	64.8	120.3
166	130.4	91.8	170.4



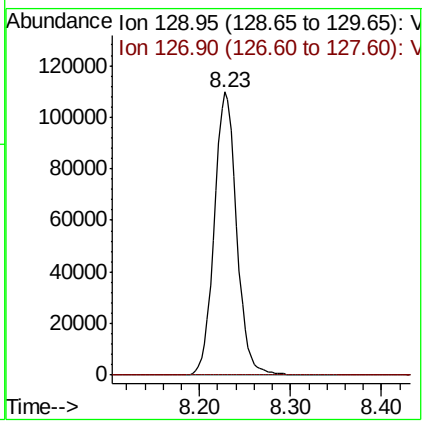


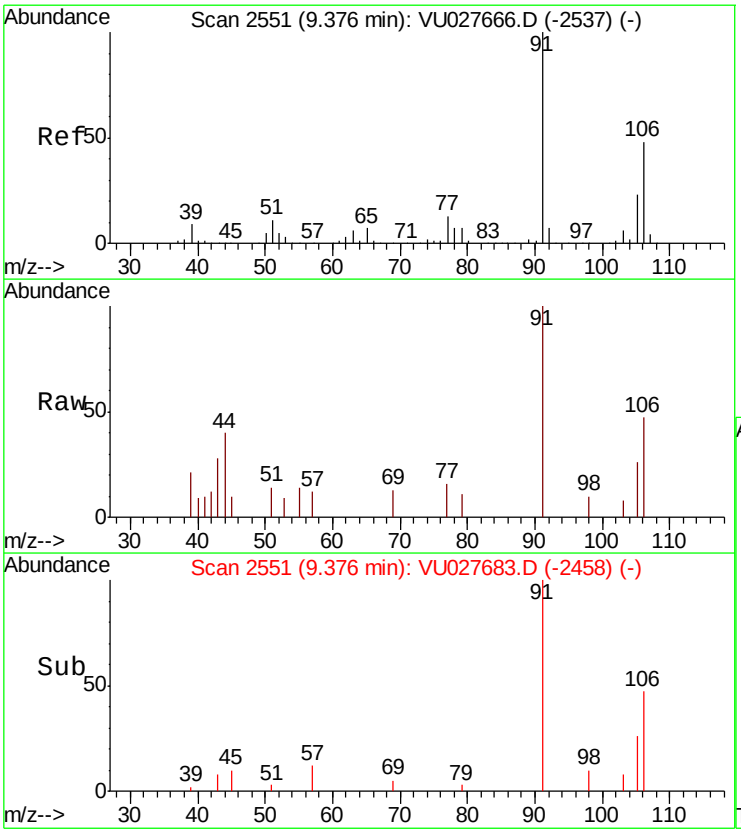
#49
Dibromochloromethane
Concen: 33.444 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU027683.D
Acq: 17 Oct 2018 17:20

Instrument : MSVOA_U
ClientSampleId : C0JC4

Tgt Ion:129 Resp: 186827

Ion	Ratio	Lower	Upper
129	100		
127	0.1	54.1	100.5#

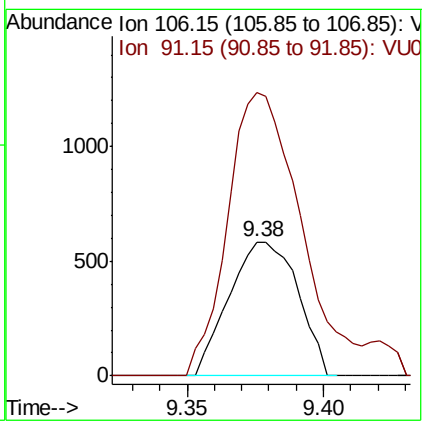


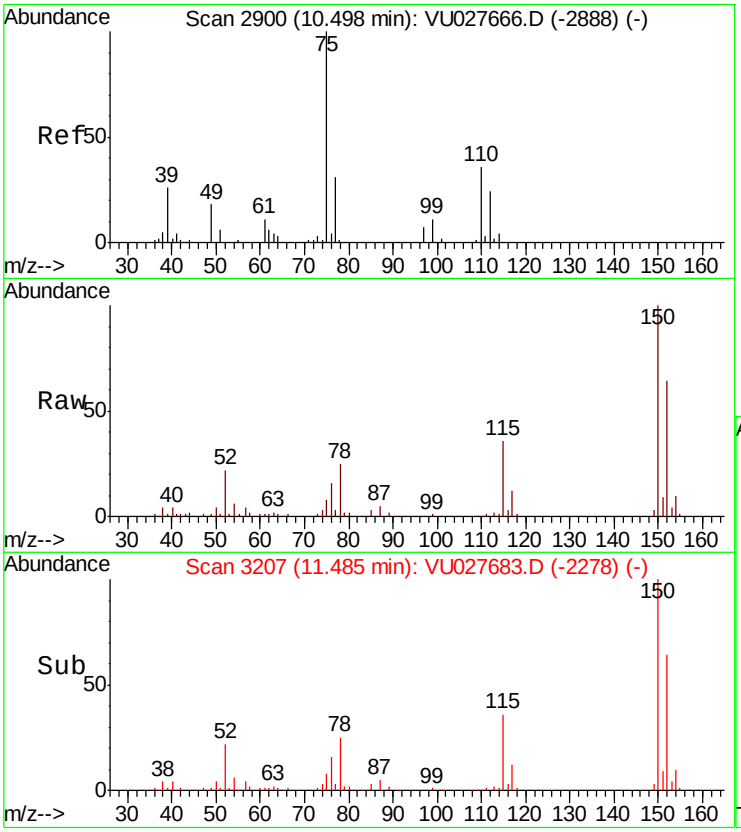


#53
m,p-xylene
Concen: 0.095 ug/L
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027683.D
Acq: 17 Oct 2018 17:20

Tgt Ion:106 Resp: 1020

Ion	Ratio	Lower	Upper
106	100		
91	210.9	146.8	272.6





#59
1,2,3-Trichloropropane
Concen: 1.129 ug/L
RT: 11.48 min Scan# 3207
Delta R.T. 0.99 min
Lab File: VU027683.D
Acq: 17 Oct 2018 17:20

Instrument :
MSVOA_U
ClientSampleId :
C0JC4

Tgt Ion: 75 Resp: 4537

Ion	Ratio	Lower	Upper
75	100		
77	38.7	26.9	40.3