Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112118\

Quantitation Report (Not Reviewed)

Data File : VU028307.D
Acq On : 21 Nov 2018 10:17
Operator : MD/SY
Sample : J5986-20 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FP6

Quant Time: Nov 21 22:36:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 22:33:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	169300	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	159165	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	70220	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	66003	5.18	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 103.60%			
7) Chloroethane-d5	1.68	69	51387	4.67	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 93.40%			
11) 1,1-Dichloroethene-d2	2.27	63	96743	3.82	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 76.40%			
20) 2-Butanone-d5	4.21	46	191899	45.01	ug/L	0.02
Spiked Amount 50.000	Range 40 - 130		Recovery = 90.02%			
24) Chloroform-d	4.65	84	106257	4.47	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 89.40%			
26) 1,2-Dichloroethane-d4	5.31	65	59315	4.51	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 90.20%			
32) Benzene-d6	5.34	84	221205	4.83	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 96.60%			
36) 1,2-Dichloropropane-d6	6.33	67	80255	4.82	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 96.40%			
41) Toluene-d8	7.57	98	194156	4.73	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 94.60%			
43) trans-1,3-Dichloropropene-	7.85	79	28641	5.39	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 107.80%			
46) 2-Hexanone-d5	8.31	63	136691	42.89	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 85.78%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	55762	4.64	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 92.80%			
64) 1,2-Dichlorobenzene-d4	11.86	152	63353	4.85	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 97.00%			
Target Compounds						Qvalue
5) Vinyl chloride	1.40	62	7556	0.440	ug/L #	74
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	780	0.071	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	827	0.079	ug/L #	1
13) Acetone	2.36	43	57380	19.570	ug/L	98
15) Methyl Acetate	2.58	43	1804	0.232	ug/L #	64
17) Methyl tert-butyl Ether	3.01	73	5731	0.183	ug/L	97
18) trans-1,2-Dichloroethene	2.98	96	1460	0.132	ug/L	85
19) 1,1-Dichloroethane	3.45	63	1192	0.046	ug/L #	87
22) cis-1,2-Dichloroethene	4.23	96	22378	1.705	ug/L	86
25) Chloroform	4.68	83	4138	0.149	ug/L	85
34) Trichloroethene	6.19	95	7758	0.603	ug/L	95
35) Methylcyclohexane	6.33	83	16065	0.793	ug/L #	14
37) 1,2-Dichloropropane	6.33	63	8310	0.555	ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	1915	0.101	ug/L #	66
42) Toluene	7.64	91	7346	0.138	ug/L	88
44) trans-1,3-Dichloropropene	7.85	75	1559	0.109	ug/L	97
47) Tetrachloroethene	8.22	164	631	0.071	ug/L #	59

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112118\

Quantitation Report (Not Reviewed)

Data File : VU028307.D
Acq On : 21 Nov 2018 10:17
Operator : MD/SY
Sample : J5986-20 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FP6

Quant Time: Nov 21 22:36:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 22:33:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) Dibromochloromethane	8.22	129	501	0.055	ug/L	#	10
52) Ethylbenzene	9.25	91	2684	0.047	ug/L		97
53) m,p-xylene	9.38	106	1723	0.087	ug/L		89
59) 1,2,3-Trichloropropane	11.48	75	10954	1.265	ug/L		98

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112118\

Quantitation Report (Not Reviewed)

Data File : VU028307.D
Acq On : 21 Nov 2018 10:17
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Misc : 25.0mL/MSVOA_U/WATER
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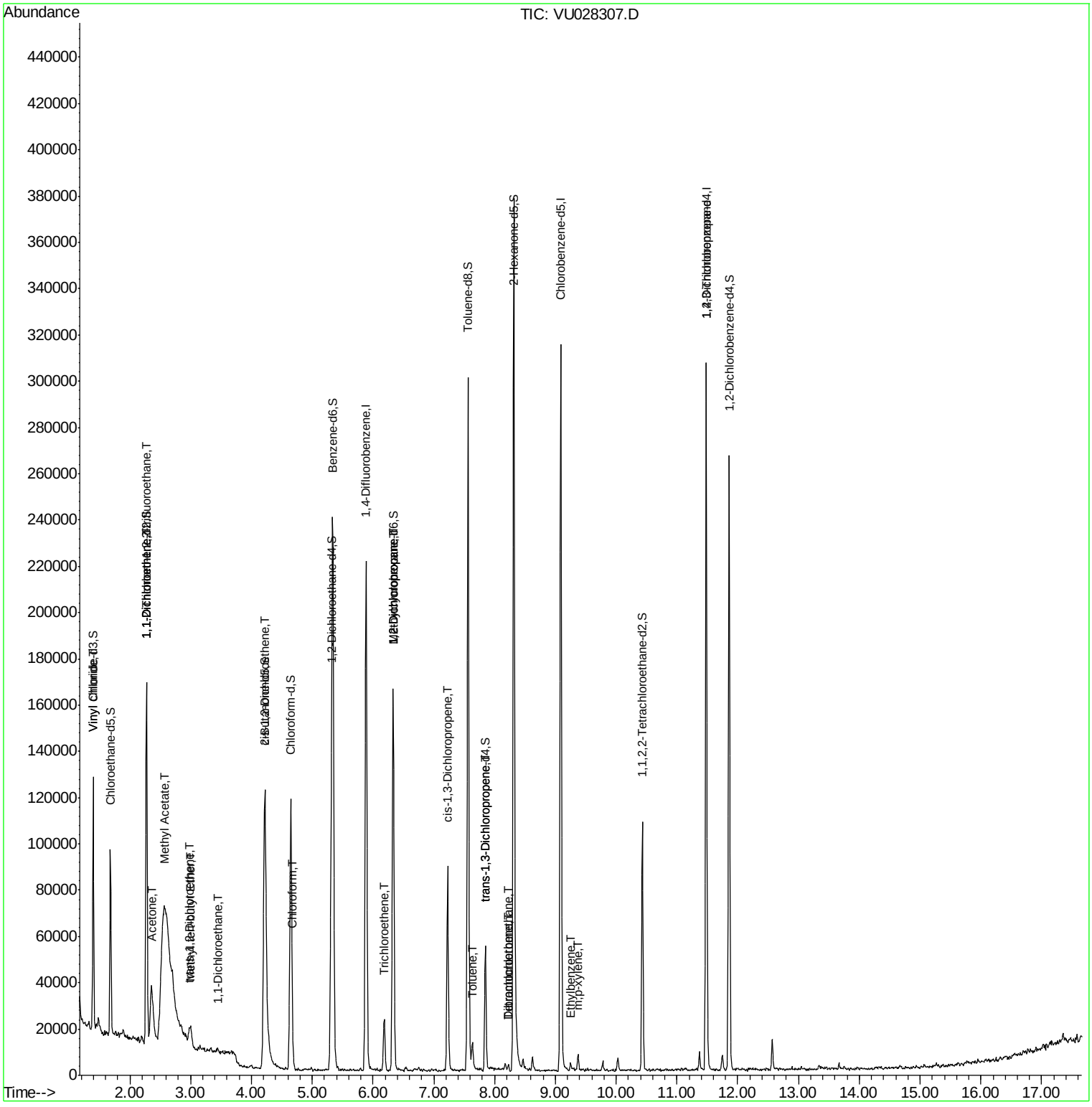
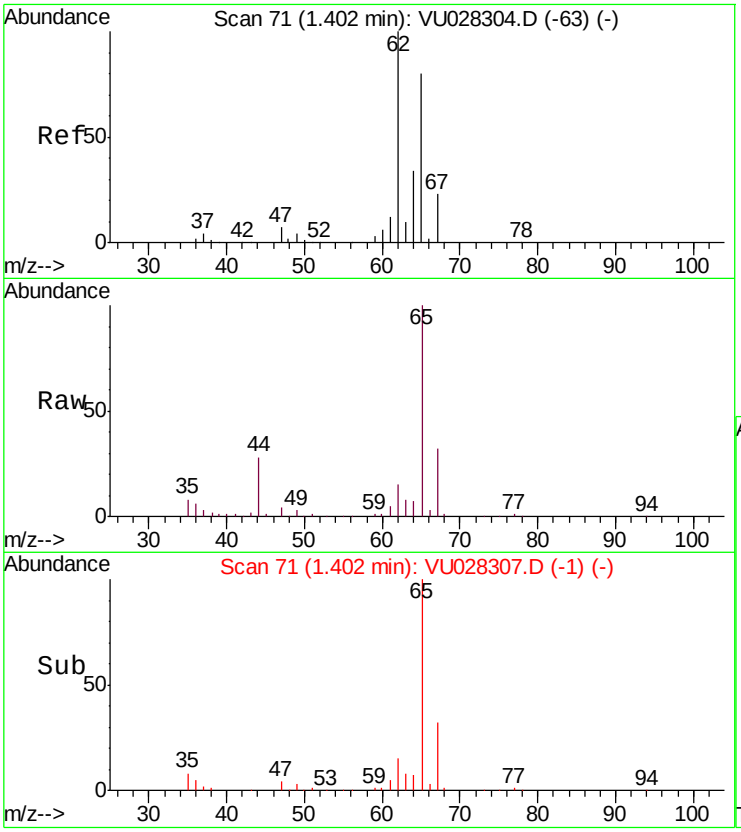
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 22:33:20 2018
Response via : Initial Calibration



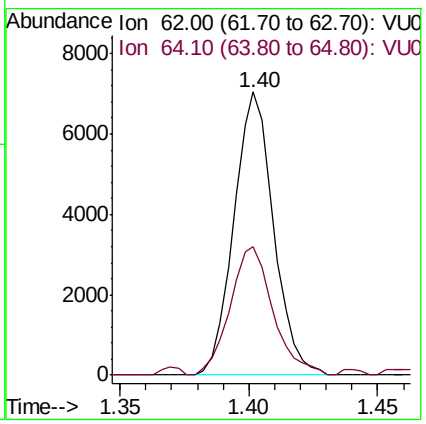


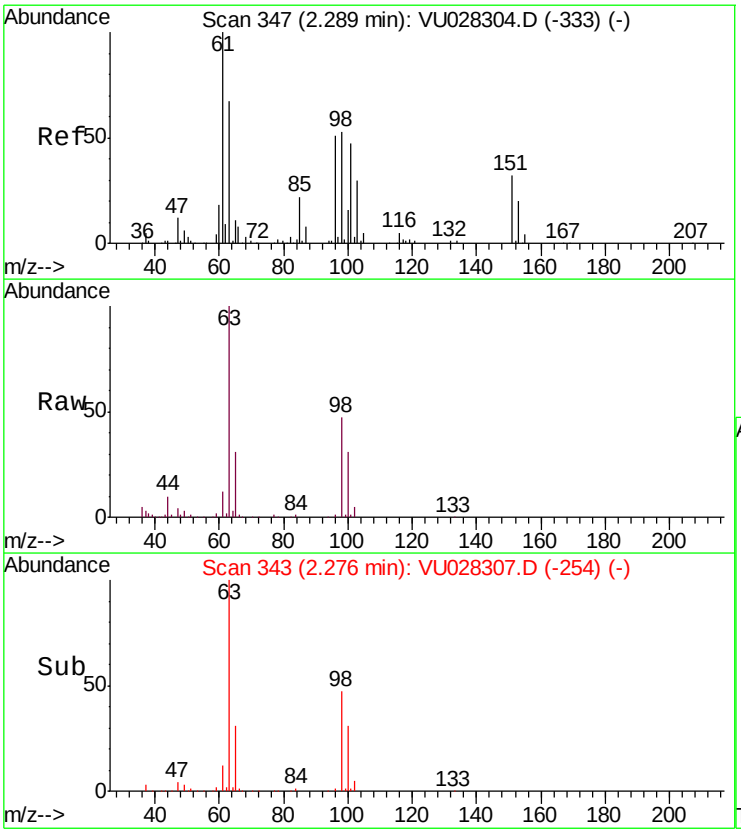
#5
Vinyl chloride
Concen: 0.440 ug/L
RT: 1.40 min Scan# 71
Delta R.T. -0.00 min
Lab File: VU028307.D
Acq: 21 Nov 2018 10:17

Instrument :
MSVOA_U
ClientSampleId :
H0FP6

Tgt Ion: 62 Resp: 7556

Ion	Ratio	Lower	Upper
62	100		
64	45.3	21.7	40.3#

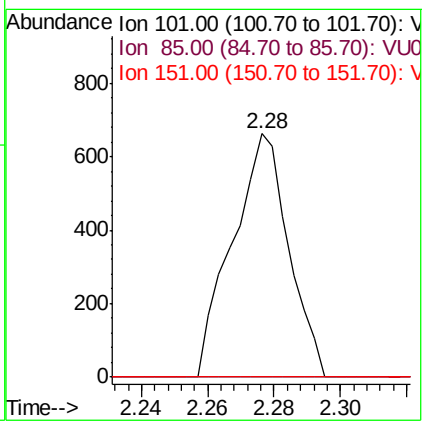


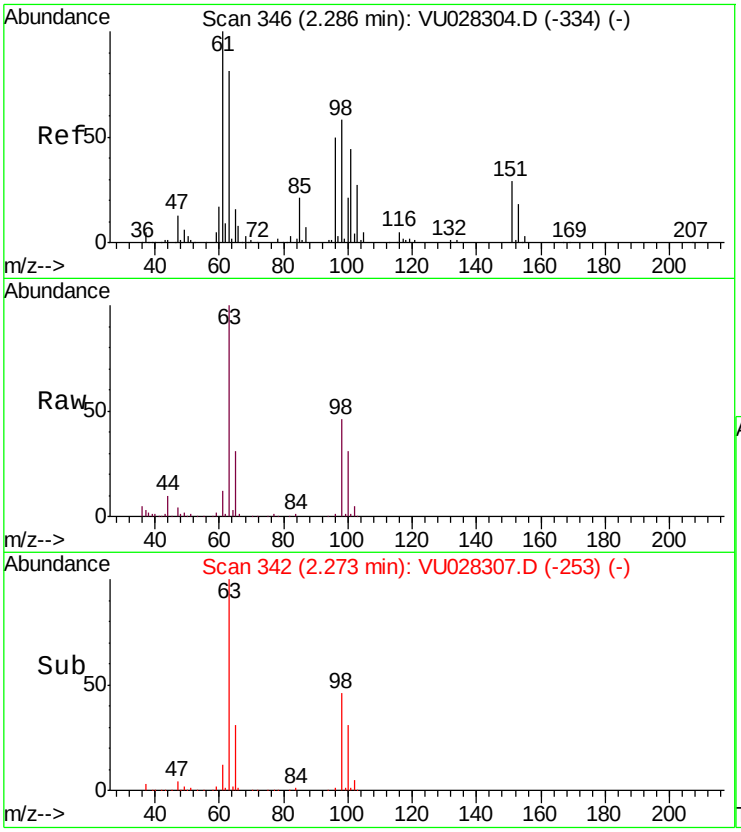


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.071 ug/L
RT: 2.28 min Scan# 343
Delta R.T. -0.01 min
Lab File: VU028307.D
Acq: 21 Nov 2018 10:17

Tgt Ion:101 Resp: 780

Ion	Ratio	Lower	Upper
101	100		
85	0.0	37.4	56.2#
151	0.0	55.0	82.4#



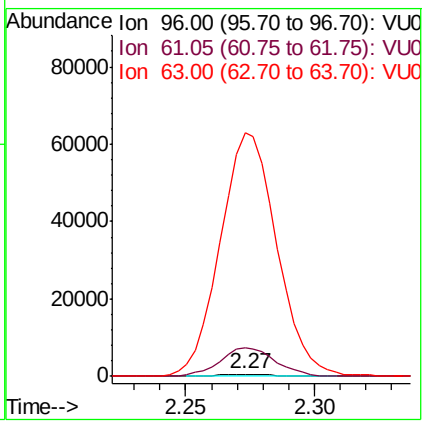


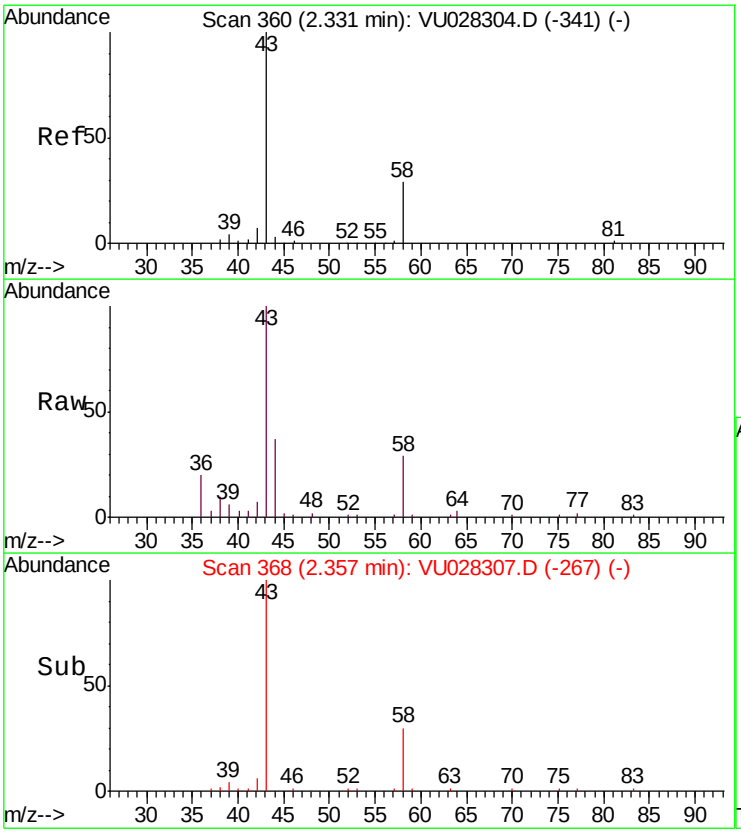
#12
1,1-Dichloroethene
Concen: 0.079 ug/L
RT: 2.27 min Scan# 342
Delta R.T. -0.01 min
Lab File: VU028307.D
Acq: 21 Nov 2018 10:17

Instrument : MSVOA_U
ClientSampleId : H0FP6

Tgt Ion: 96 Resp: 827

Ion	Ratio	Lower	Upper
96	100		
61	1469.7	145.5	270.1#
63	12389.0	98.6	183.2#

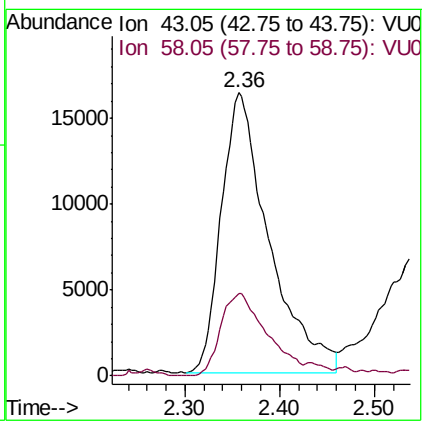


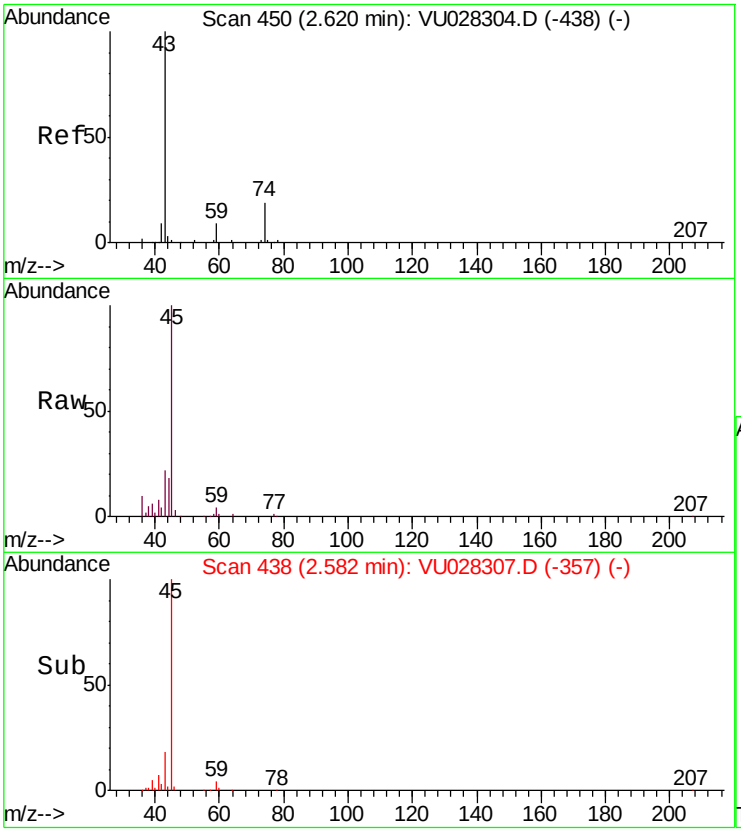


#13
Acetone
Concen: 19.570 ug/L
RT: 2.36 min Scan# 368
Delta R.T. 0.03 min
Lab File: VU028307.D
Acq: 21 Nov 2018 10:17

Tgt Ion: 43 Resp: 57380

Ion	Ratio	Lower	Upper
43	100		
58	28.2	0.0	58.6



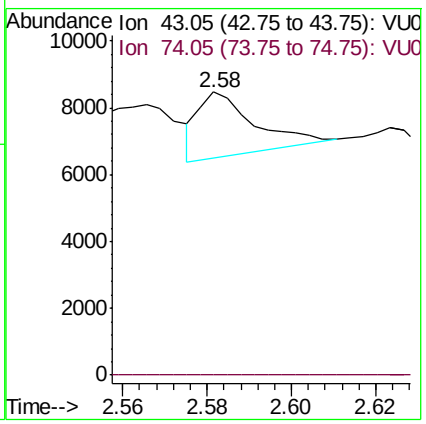


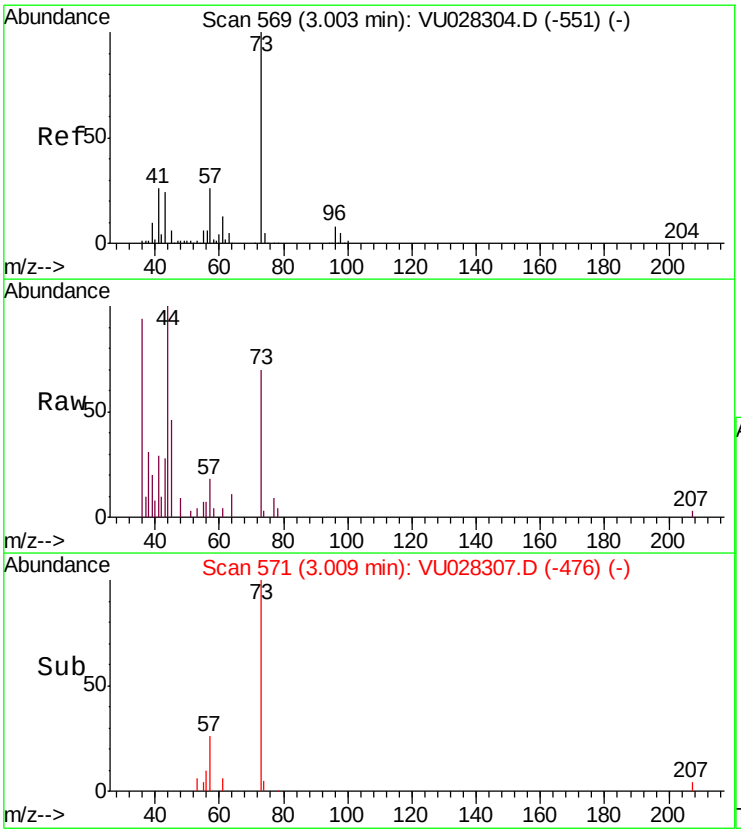
#15
Methyl Acetate
Concen: 0.232 ug/L
RT: 2.58 min Scan# 438
Delta R.T. -0.04 min
Lab File: VU028307.D
Acq: 21 Nov 2018 10:17

Instrument :
MSVOA_U
ClientSampleId :
H0FP6

Tgt Ion: 43 Resp: 1804

Ion	Ratio	Lower	Upper
43	100		
74	2.2	14.7	22.1#

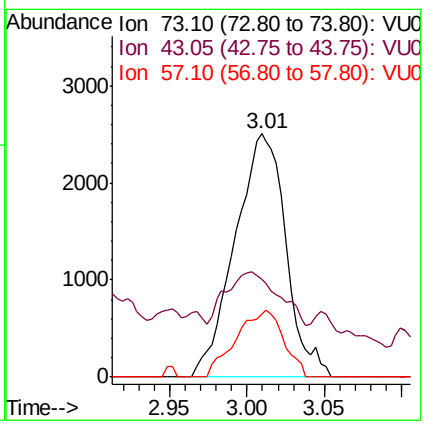


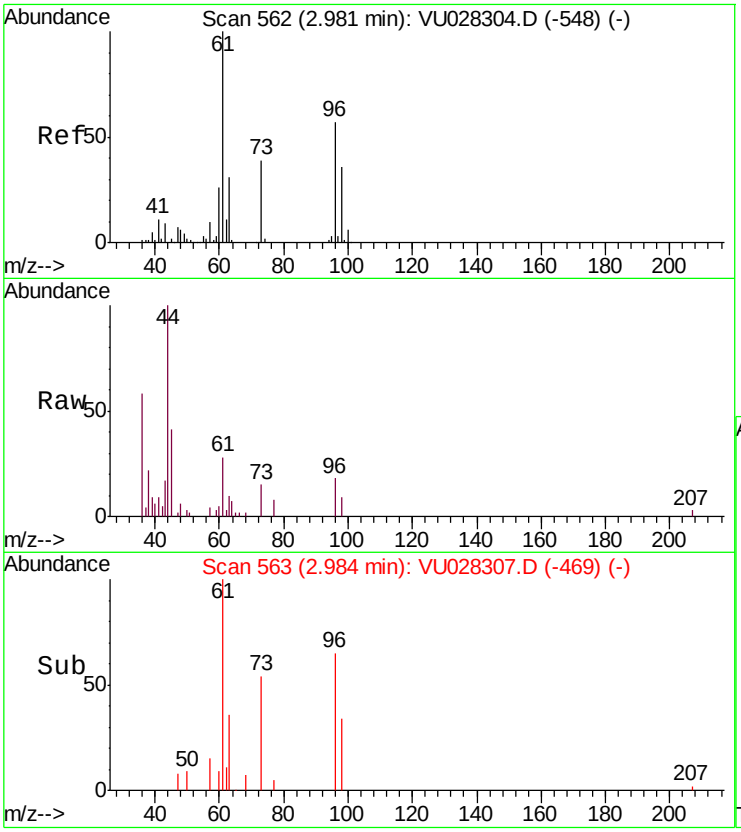


#17
Methyl tert-butyl Ether
Concen: 0.183 ug/L
RT: 3.01 min Scan# 571
Delta R.T. 0.01 min
Lab File: VU028307.D
Acq: 21 Nov 2018 10:17

Tgt Ion: 73 Resp: 5731

Ion	Ratio	Lower	Upper
73	100		
43	24.7	18.8	28.2
57	25.7	19.2	28.8



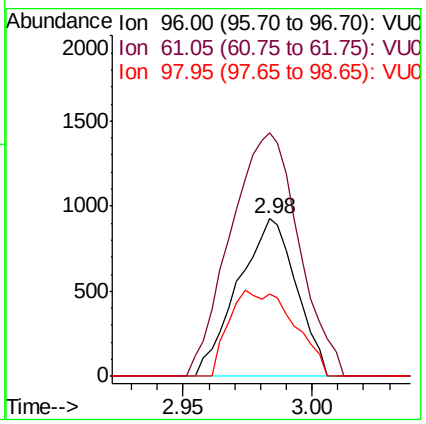


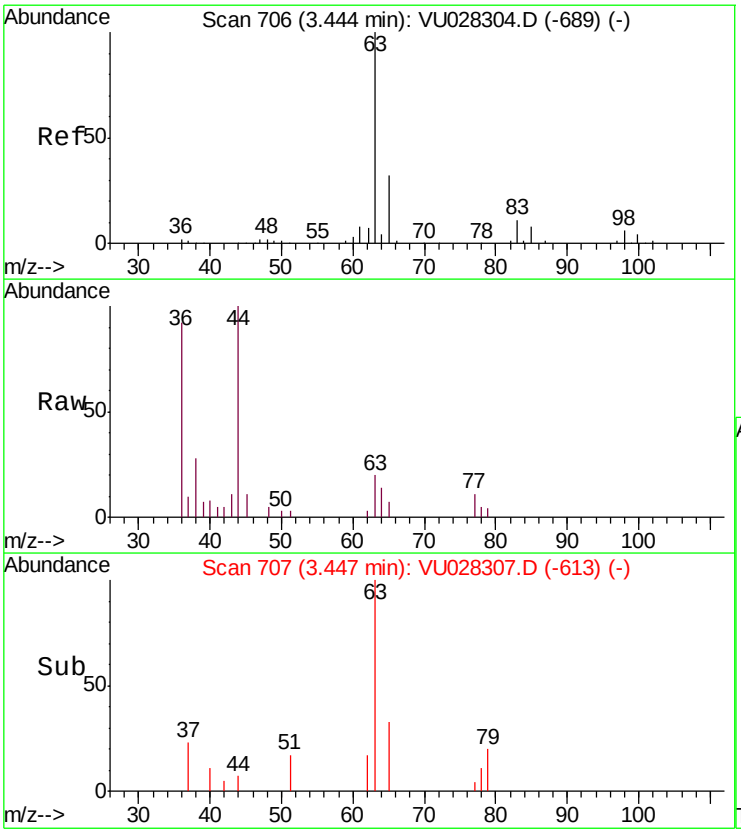
#18
trans-1,2-Dichloroethene
Concen: 0.132 ug/L
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU028307.D
Acq: 21 Nov 2018 10:17

Instrument :
MSVOA_U
ClientSampleId :
H0FP6

Tgt Ion: 96 Resp: 1460

Ion	Ratio	Lower	Upper
96	100		
61	154.8	122.2	227.0
98	51.9	44.9	83.5

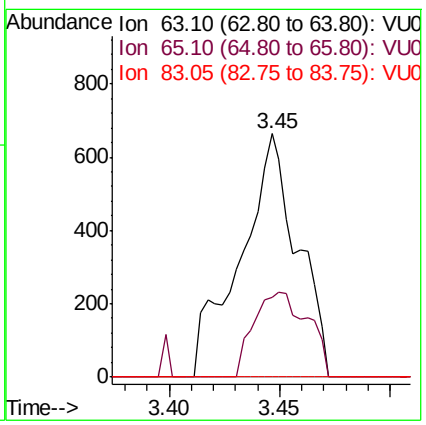


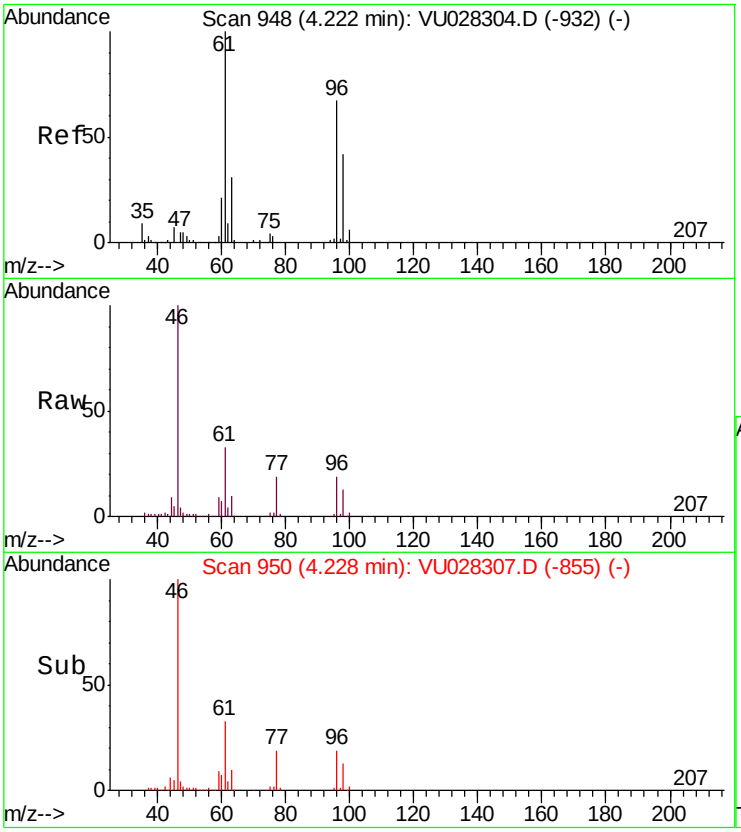


#19
1,1-Dichloroethane
Concen: 0.046 ug/L
RT: 3.45 min Scan# 707
Delta R.T. 0.00 min
Lab File: VU028307.D
Acq: 21 Nov 2018 10:17

Tgt Ion: 63 Resp: 1192

Ion	Ratio	Lower	Upper
63	100		
65	33.0	21.2	39.4
83	0.0	8.8	16.4#



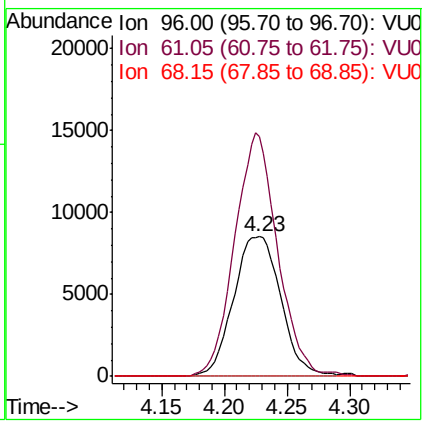


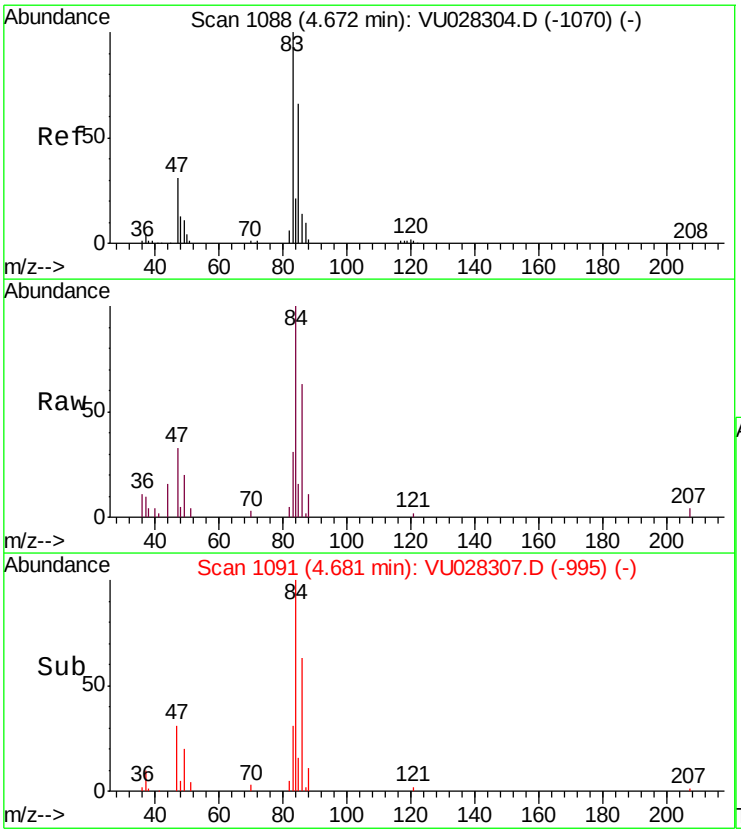
#22
cis-1,2-Dichloroethene
Concen: 1.705 ug/L
RT: 4.23 min Scan# 950
Delta R.T. 0.01 min
Lab File: VU028307.D
Acq: 21 Nov 2018 10:17

Instrument : MSVOA_U
ClientSampleId : H0FP6

Tgt Ion: 96 Resp: 22378

Ion	Ratio	Lower	Upper
96	100		
61	172.2	108.0	200.6
68	0.0	0.0	0.0

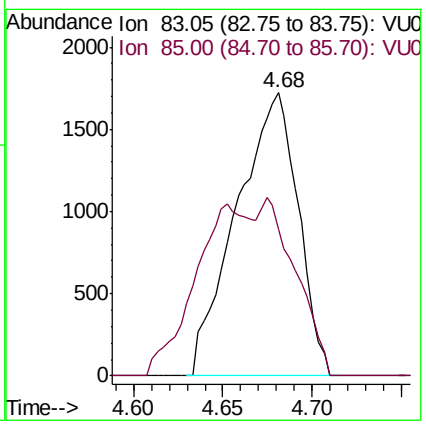


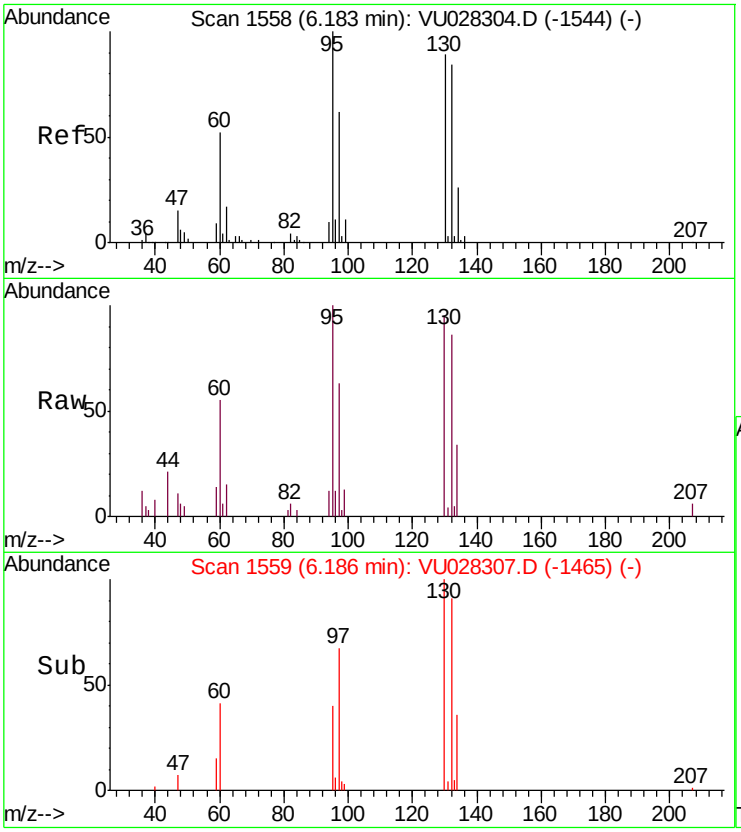


#25
Chloroform
Concen: 0.149 ug/L
RT: 4.68 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VU028307.D
Acq: 21 Nov 2018 10:17

Tgt Ion: 83 Resp: 4138

Ion	Ratio	Lower	Upper
83	100		
85	51.7	44.6	82.8



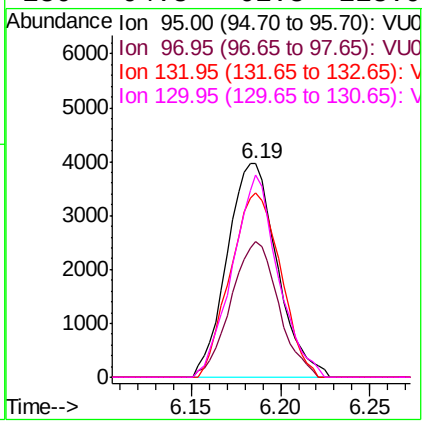


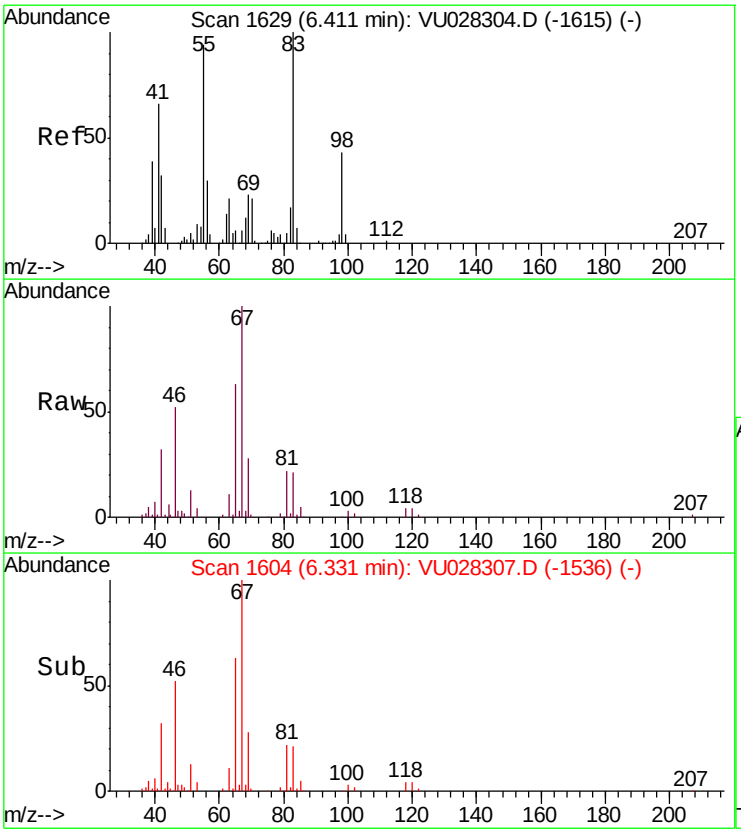
#34
Trichloroethene
Concen: 0.603 ug/L
RT: 6.19 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VU028307.D
Acq: 21 Nov 2018 10:17

Instrument :
MSVOA_U
ClientSampleId :
H0FP6

Tgt Ion: 95 Resp: 7758

Ion	Ratio	Lower	Upper
95	100		
97	63.4	46.5	86.3
132	86.2	58.9	109.3
130	94.8	61.3	113.9

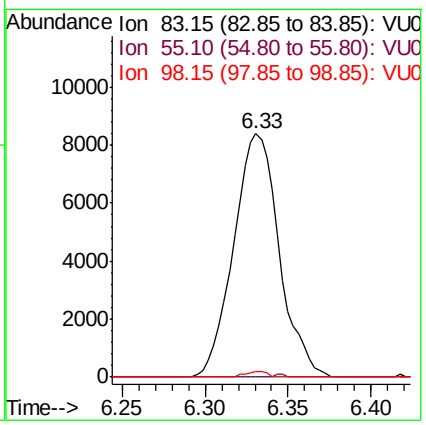


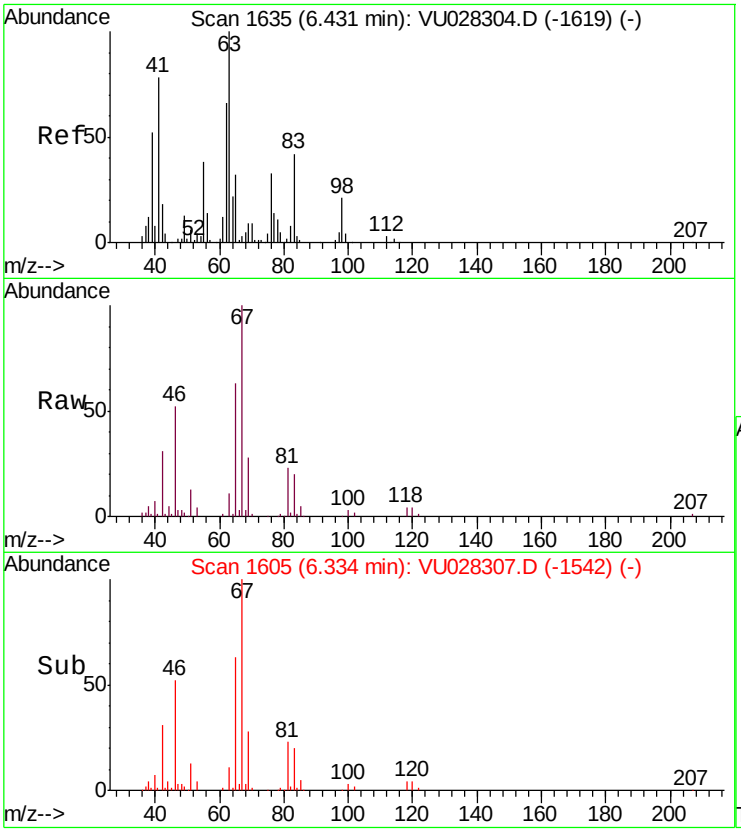


#35
Methylcyclohexane
Concen: 0.793 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.08 min
Lab File: VU028307.D
Acq: 21 Nov 2018 10:17

Tgt Ion: 83 Resp: 16065

Ion	Ratio	Lower	Upper
83	100		
55	0.3	73.2	109.8#
98	1.1	33.4	50.2#



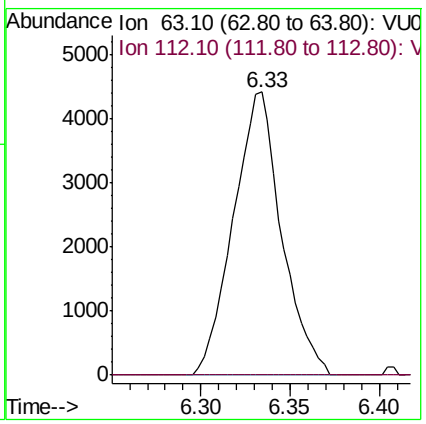


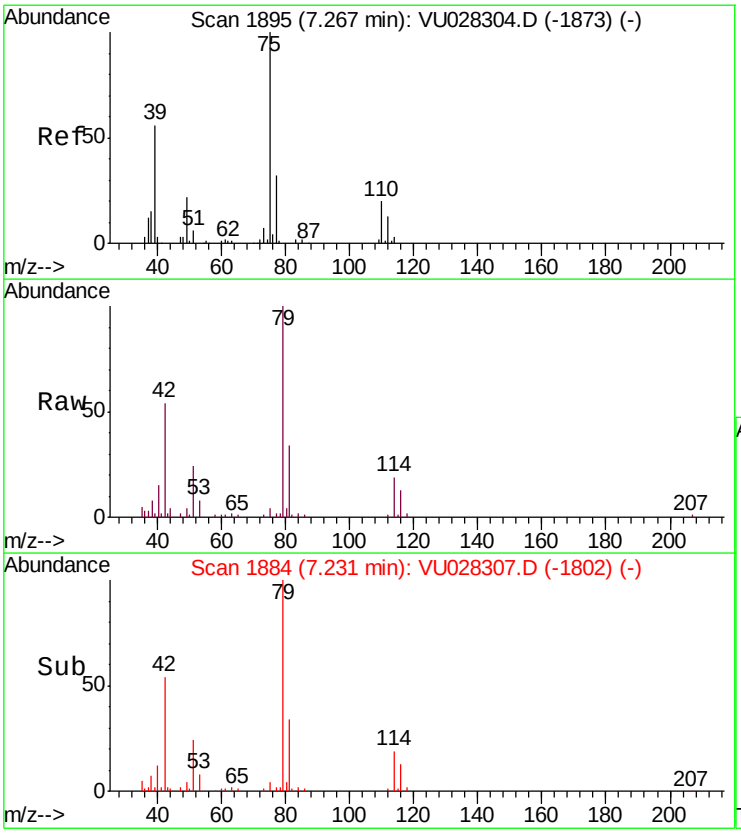
#37
1,2-Dichloropropane
Concen: 0.555 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU028307.D
Acq: 21 Nov 2018 10:17

Instrument :
MSVOA_U
ClientSampleId :
H0FP6

Tgt Ion: 63 Resp: 8310

Ion	Ratio	Lower	Upper
63	100		
112	0.0	2.2	3.2#

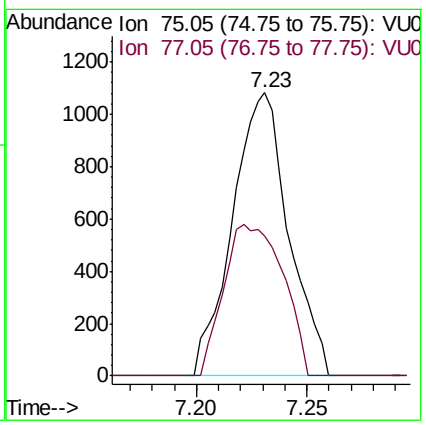


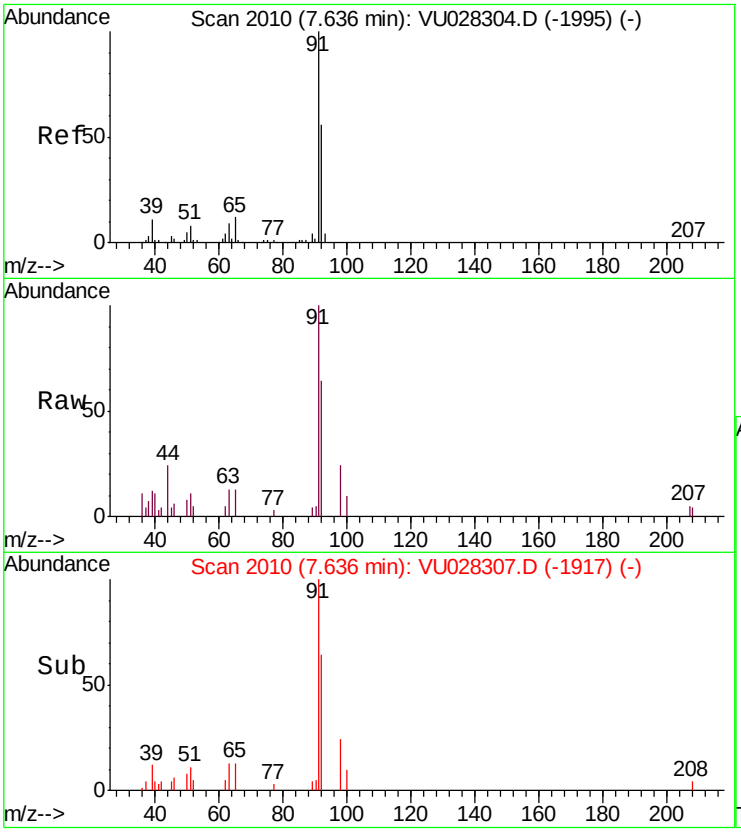


#39
cis-1,3-Dichloropropene
Concen: 0.101 ug/L
RT: 7.23 min Scan# 1884
Delta R.T. -0.04 min
Lab File: VU028307.D
Acq: 21 Nov 2018 10:17

Tgt Ion: 75 Resp: 1915

Ion	Ratio	Lower	Upper
75	100		
77	49.5	21.7	40.3#



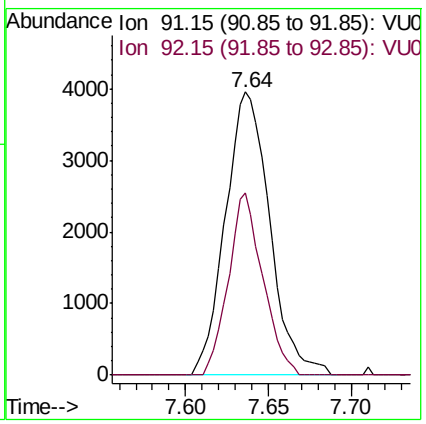


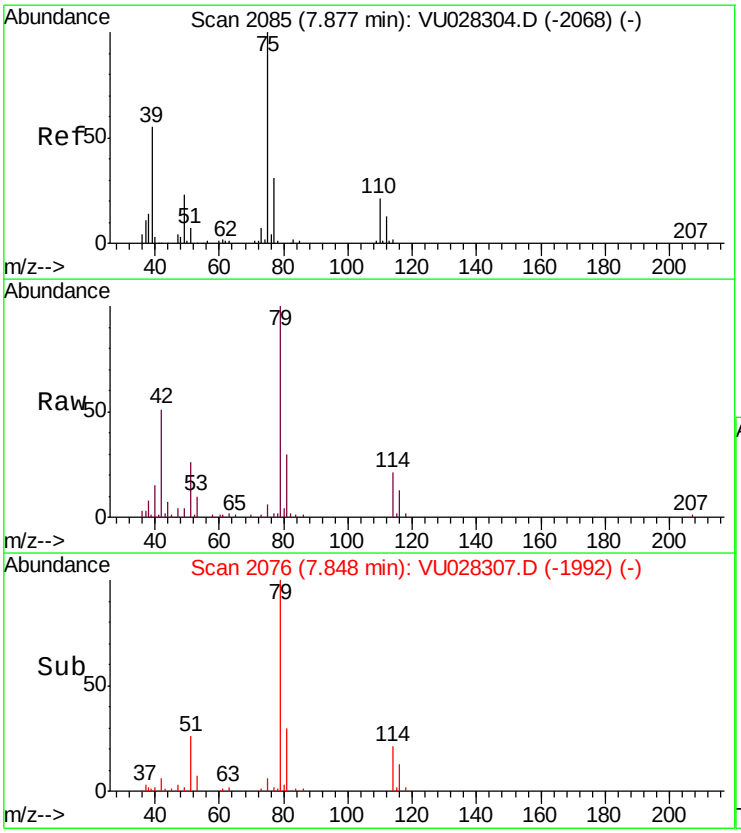
#42
Toluene
Concen: 0.138 ug/L
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU028307.D
Acq: 21 Nov 2018 10:17

Instrument :
MSVOA_U
ClientSampleId :
H0FP6

Tgt Ion: 91 Resp: 7346

Ion	Ratio	Lower	Upper
91	100		
92	64.3	39.0	72.4

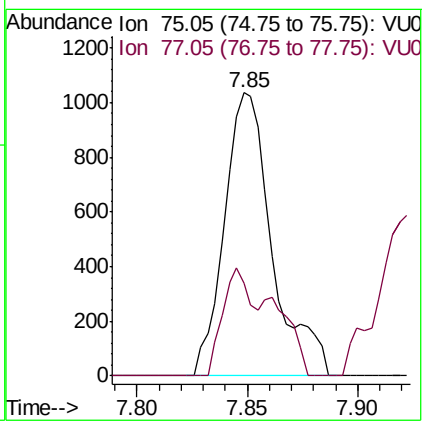


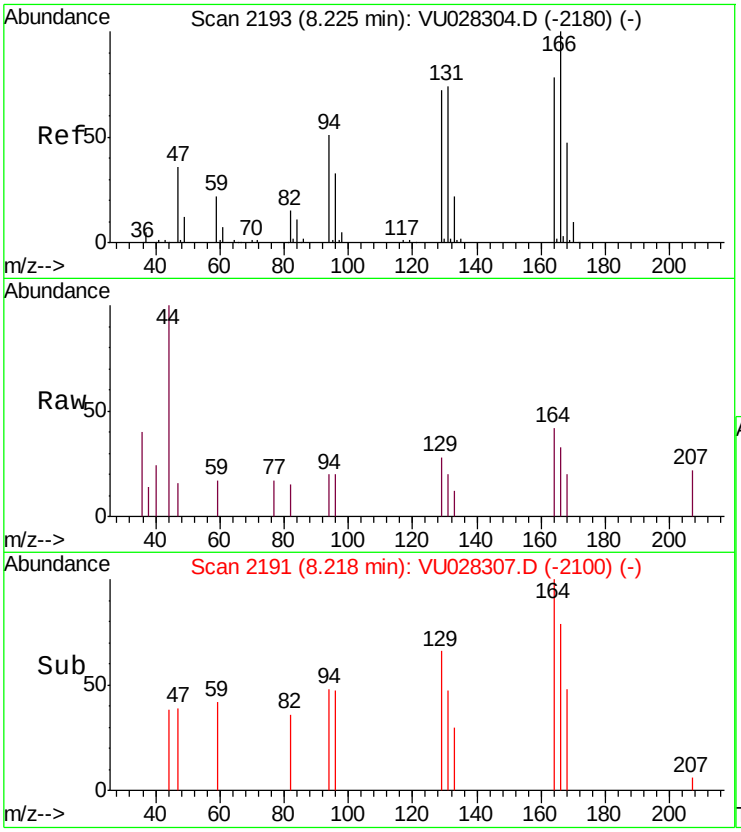


#44
trans-1,3-Dichloropropene
Concen: 0.109 ug/L
RT: 7.85 min Scan# 2076
Delta R.T. -0.03 min
Lab File: VU028307.D
Acq: 21 Nov 2018 10:17

Tgt Ion: 75 Resp: 1559

Ion	Ratio	Lower	Upper
75	100		
77	32.7	21.8	40.6



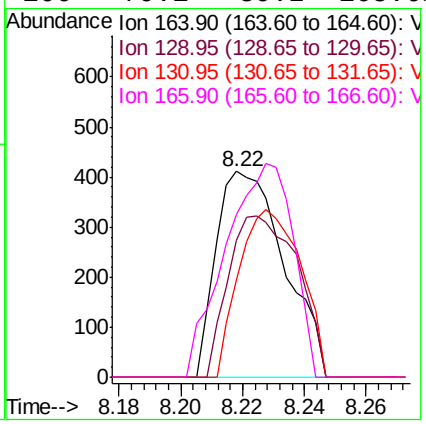


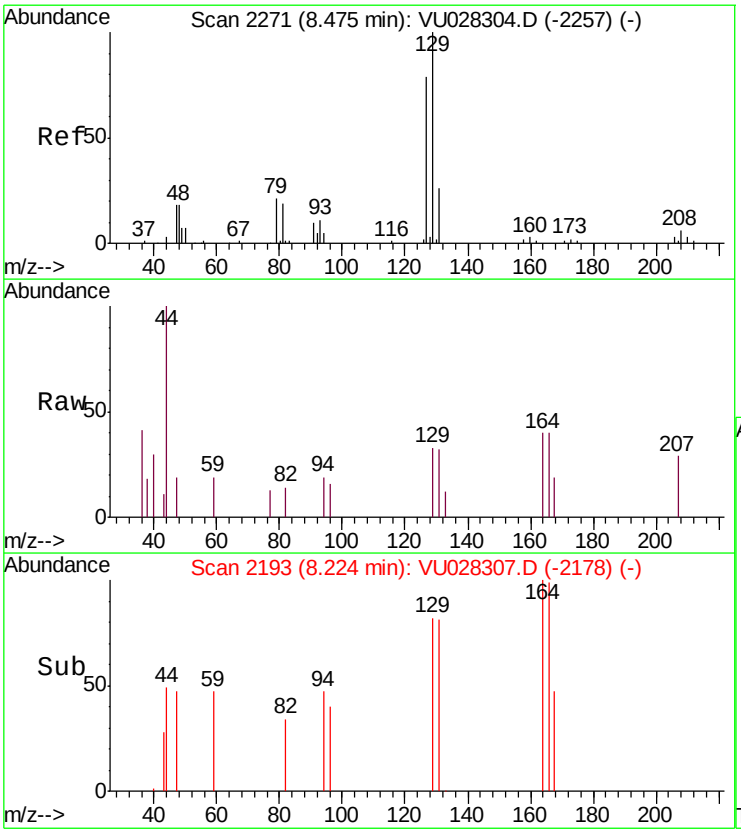
#47
Tetrachloroethene
Concen: 0.071 ug/L
RT: 8.22 min Scan# 2191
Delta R.T. -0.01 min
Lab File: VU028307.D
Acq: 21 Nov 2018 10:17

Instrument : MSVOA_U
ClientSampleId : H0FP6

Tgt Ion:164 Resp: 631

Ion	Ratio	Lower	Upper
164	100		
129	66.4	67.6	125.6#
131	47.4	66.3	123.1#
166	79.1	89.2	165.6#

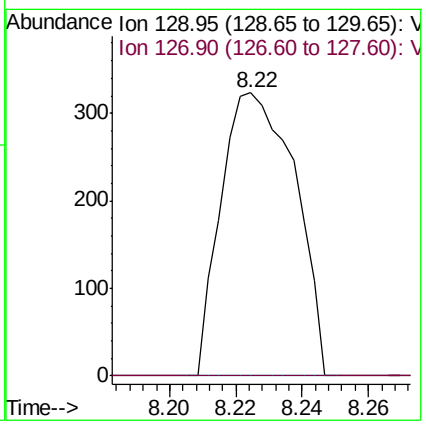


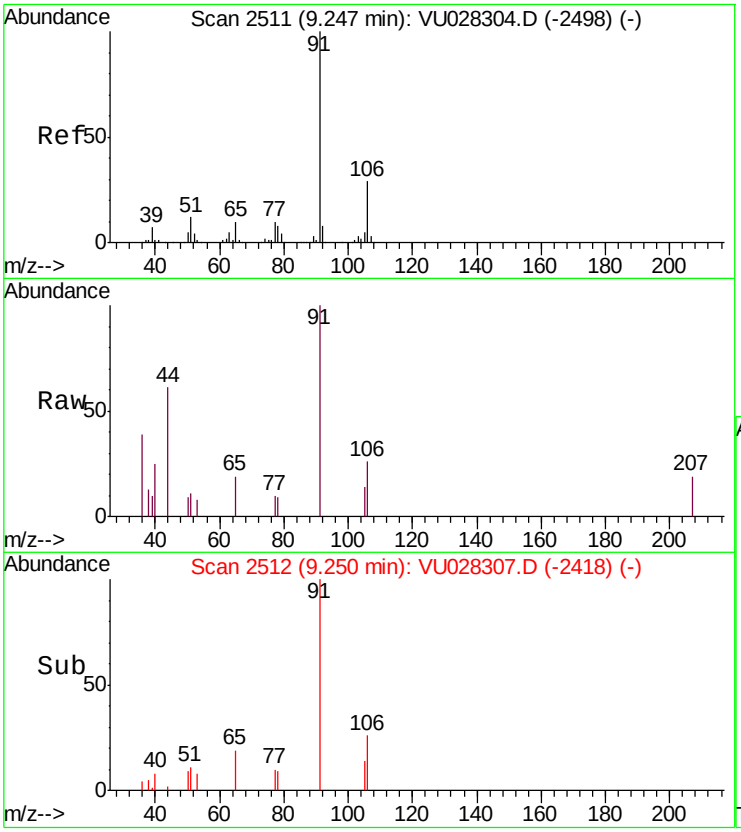


#49
Dibromochloromethane
Concen: 0.055 ug/L
RT: 8.22 min Scan# 2193
Delta R.T. -0.25 min
Lab File: VU028307.D
Acq: 21 Nov 2018 10:17

Tgt Ion:129 Resp: 501

Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.5#



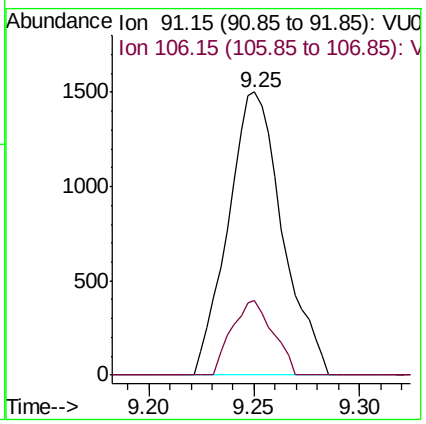


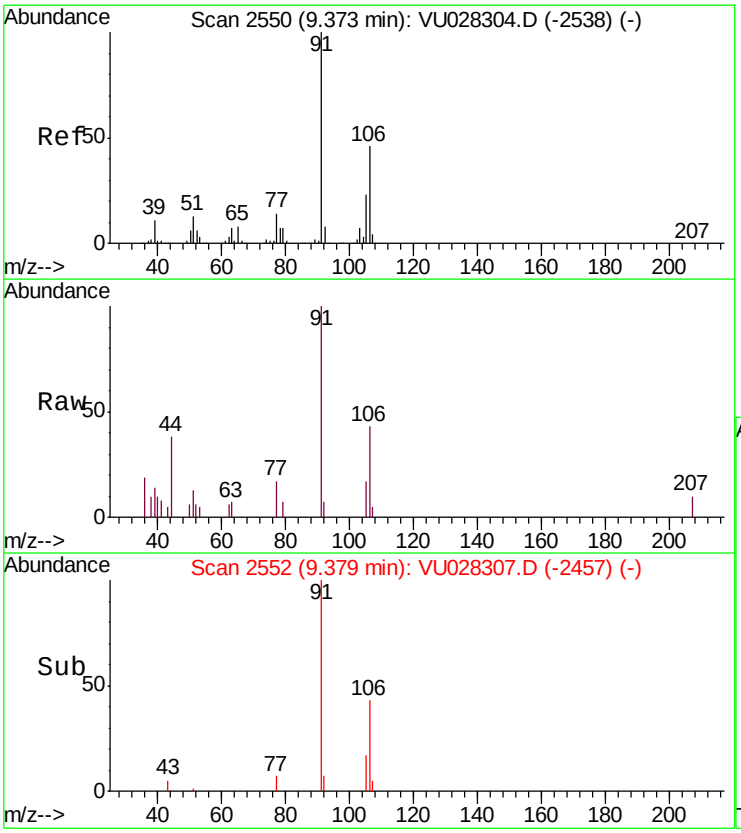
#52
Ethylbenzene
Concen: 0.047 ug/L
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028307.D
Acq: 21 Nov 2018 10:17

Instrument :
MSVOA_U
ClientSampleId :
H0FP6

Tgt Ion: 91 Resp: 2684

Ion	Ratio	Lower	Upper
91	100		
106	26.2	19.3	35.9

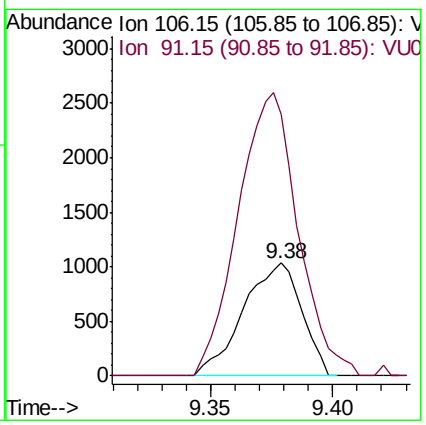


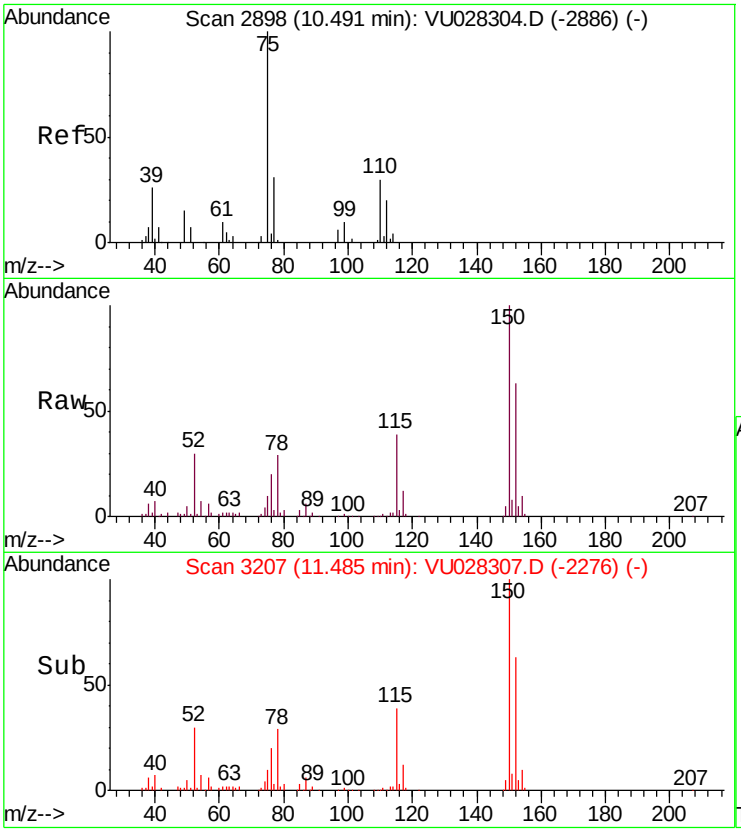


#53
m,p-xylene
Concen: 0.087 ug/L
RT: 9.38 min Scan# 2552
Delta R.T. 0.01 min
Lab File: VU028307.D
Acq: 21 Nov 2018 10:17

Tgt Ion:106 Resp: 1723

Ion	Ratio	Lower	Upper
106	100		
91	232.7	150.6	279.6





#59
1,2,3-Trichloropropane
Concen: 1.265 ug/L
RT: 11.48 min Scan# 3207
Delta R.T. 0.99 min
Lab File: VU028307.D
Acq: 21 Nov 2018 10:17

Instrument :
MSVOA_U
ClientSampleId :
H0FP6

Tgt Ion: 75 Resp: 10954

Ion	Ratio	Lower	Upper
75	100		
77	33.2	25.7	38.5