Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051419\
Data File : VU032012.D
Acq On : 14 May 2019 22:09
Operator : JC/SP
Sample : K2738-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8A1

Quant Time: May 15 06:30:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 15 04:26:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1081934	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	1053744	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	477415	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	387728	40.84	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 81.68%			
7) Chloroethane-d5	1.67	69	328612	42.75	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 85.50%			
11) 1,1-Dichloroethene-d2	2.27	63	562457	33.05	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 66.10%			
21) 2-Butanone-d5	4.17	46	775463	116.64	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 116.64%			
24) Chloroform-d	4.64	84	696328	43.82	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 87.64%			
26) 1,2-Dichloroethane-d4	5.31	65	457180	45.68	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.36%			
32) Benzene-d6	5.33	84	1473453	48.30	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.60%			
36) 1,2-Dichloropropane-d6	6.32	67	497033	49.38	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 98.76%			
41) Toluene-d8	7.56	98	1281771	46.90	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.80%			
43) trans-1,3-Dichloropropene-	7.85	79	201269	45.33	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 90.66%			
47) 2-Hexanone-d5	8.31	63	533330	130.66	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 130.66%#			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	706429	47.42	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 94.84%			
64) 1,2-Dichlorobenzene-d4	11.86	152	495388	49.31	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.62%			
Target Compounds						Qvalue
5) Vinyl chloride	1.40	62	159512	13.688	ug/L #	78
13) Acetone	2.32	43	887791	129.894	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	222410	26.756	ug/L	96
20) cis-1,2-Dichloroethene	4.22	96	288273	31.353	ug/L	99
22) 2-Butanone	4.27	43	125070	15.865	ug/L	96
29) Cyclohexane	4.99	56	117161	9.071	ug/L	98
34) Trichloroethene	6.18	95	227973	26.670	ug/L	99
35) Methylcyclohexane	6.41	83	128388	9.795	ug/L	93
46) Tetrachloroethene	8.23	164	42418	7.029	ug/L	97
52) Ethylbenzene	9.25	91	23978	0.633	ug/L	93
53) m,p-Xylene	9.37	106	15763	1.140	ug/L	97
56) Isopropylbenzene	10.16	105	172506	4.930	ug/L	100

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

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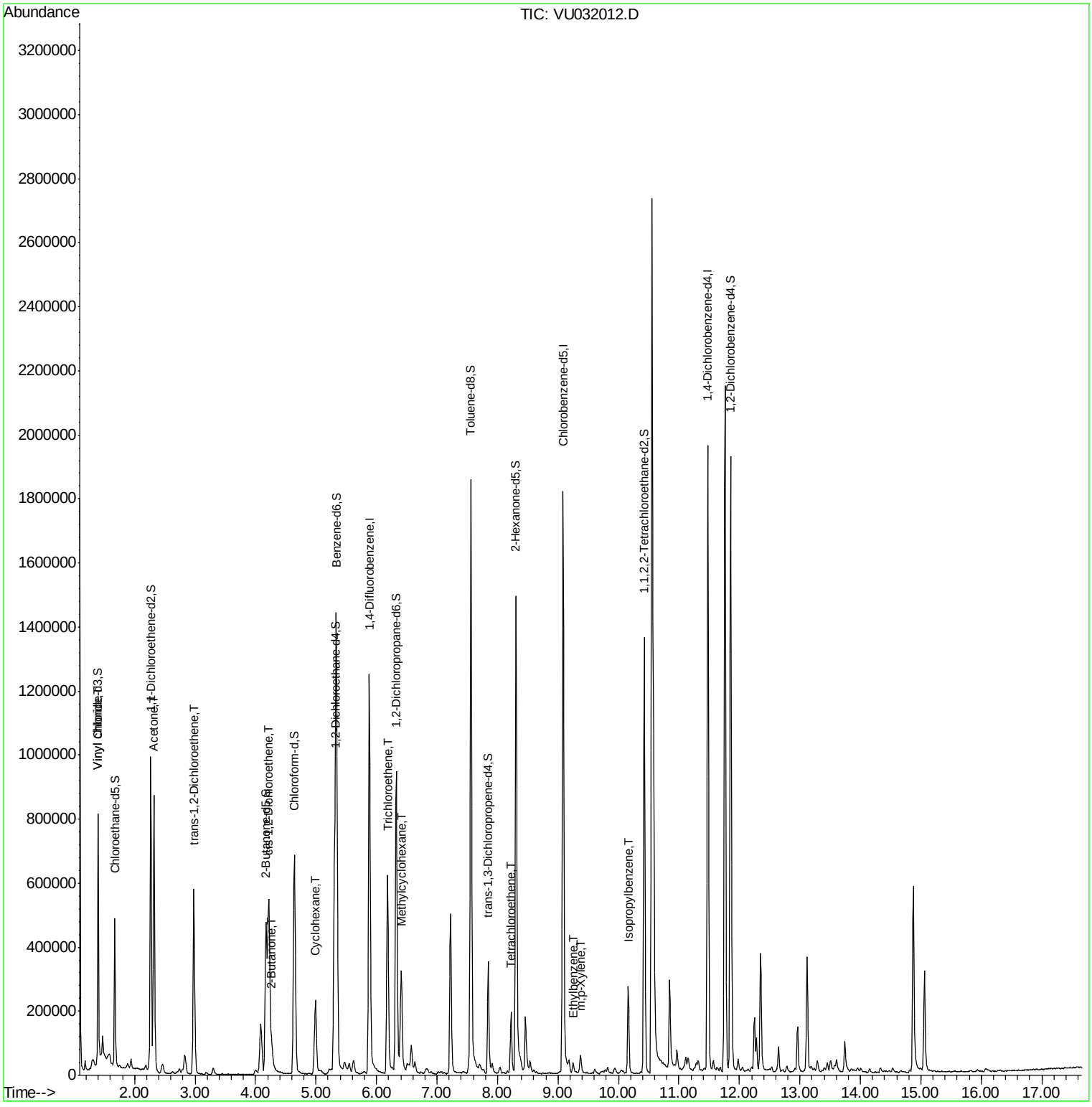
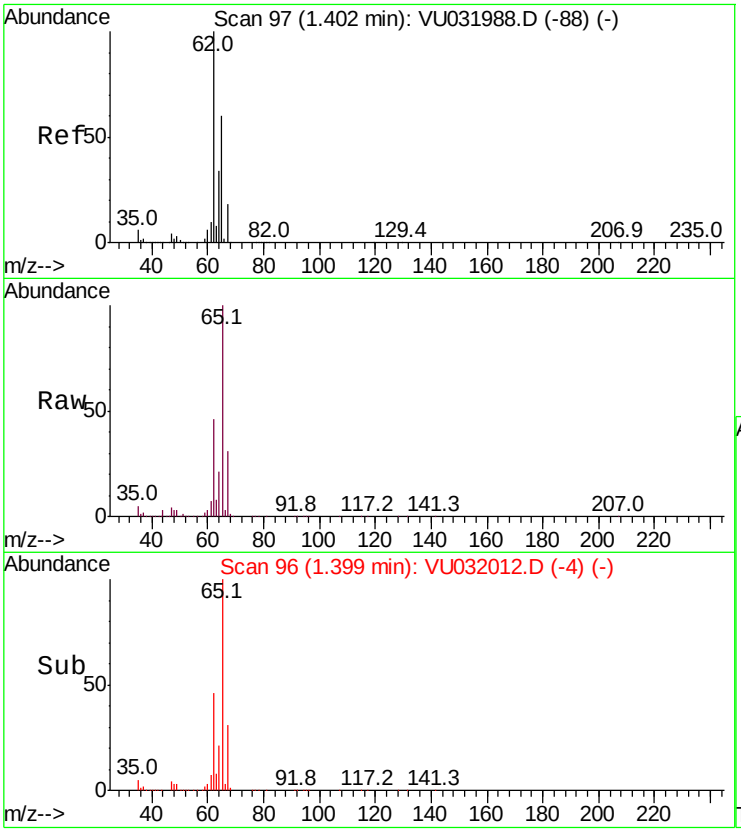
Quant Title : VOC Analysis
QLast Update : Wed May 15 04:26:34 2019
Response via : Initial Calibration



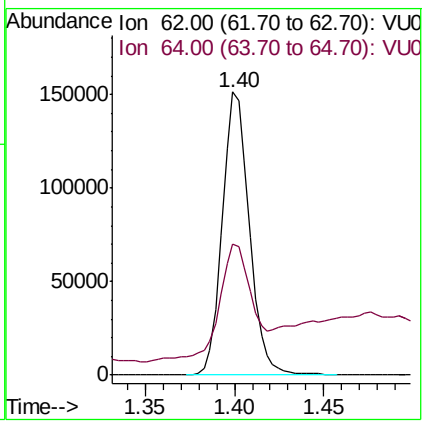


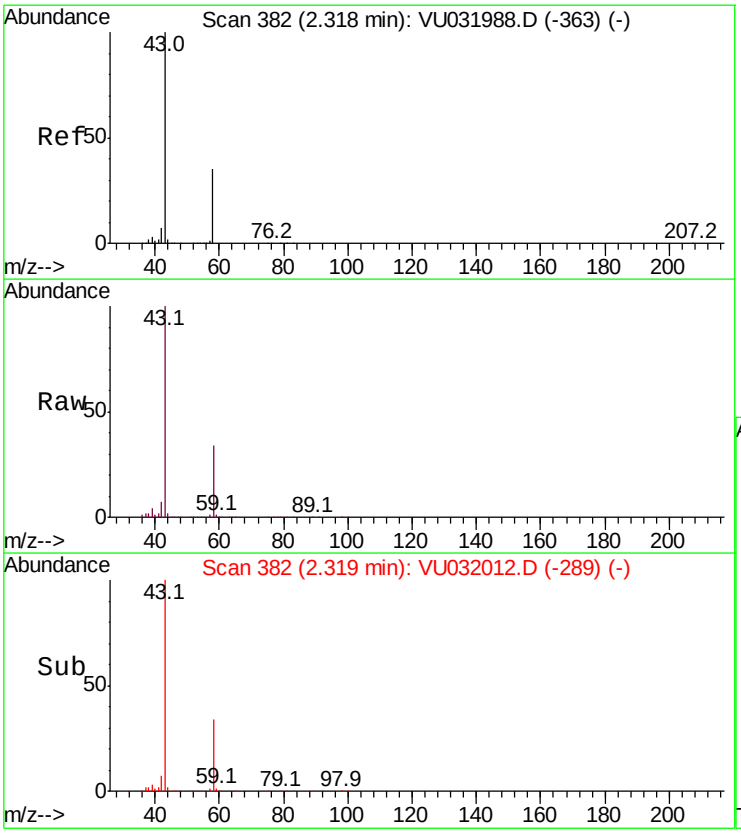
#5
Vinyl chloride
Concen: 13.688 ug/L
RT: 1.40 min Scan# 96
Delta R.T. -0.00 min
Lab File: VU032012.D
Acq: 14 May 2019 22:09

Instrument : MSVOA_U
ClientSampleId : DB8A1

Tgt Ion: 62 Resp: 159512

Ion	Ratio	Lower	Upper
62	100		
64	46.3	23.6	43.8#

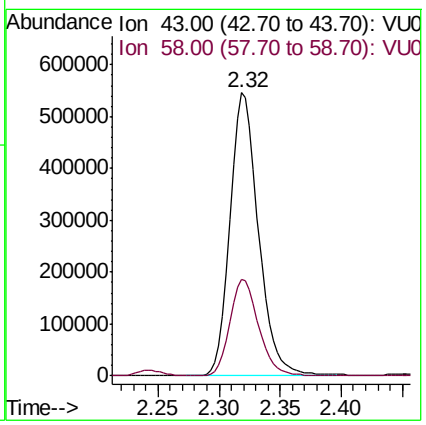


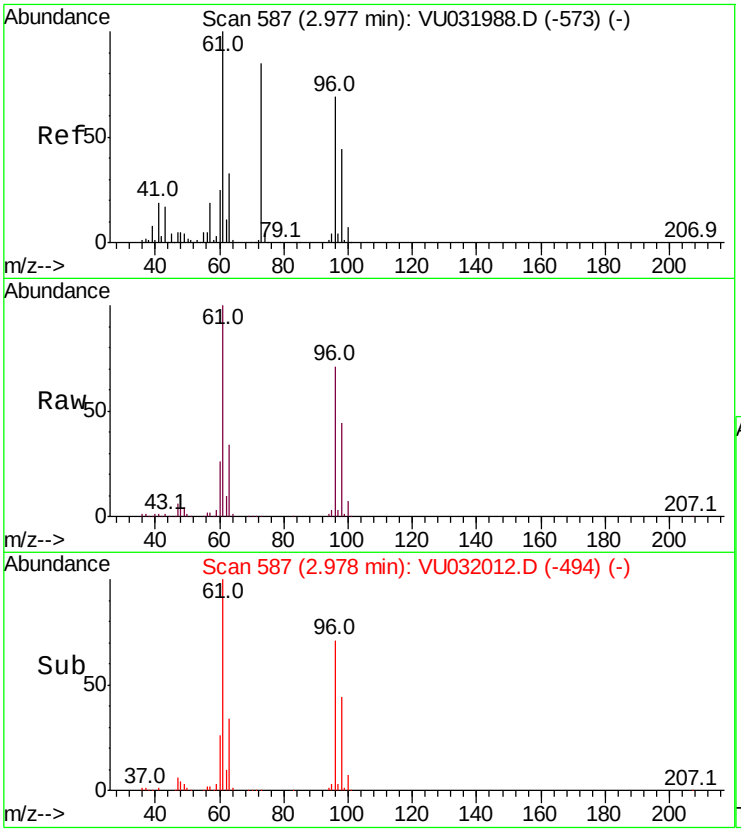


#13
Acetone
Concen: 129.894 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VU032012.D
Acq: 14 May 2019 22:09

Tgt Ion: 43 Resp: 887791

Ion	Ratio	Lower	Upper
43	100		
58	34.4	0.0	68.2



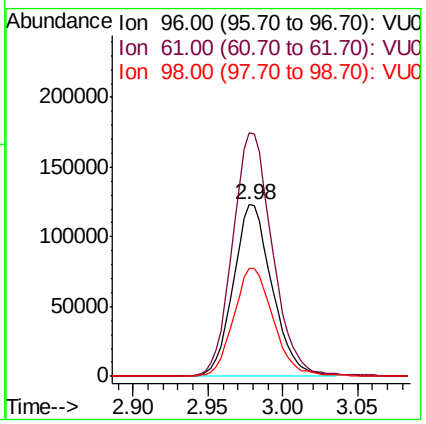


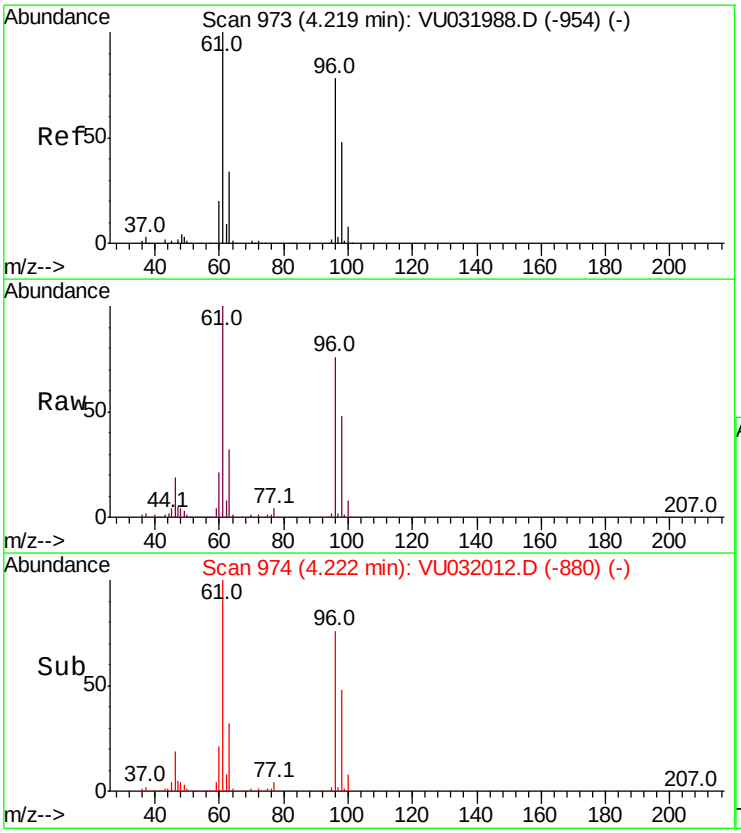
#17
trans-1,2-Dichloroethene
Concen: 26.756 ug/L
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU032012.D
Acq: 14 May 2019 22:09

Instrument : MSVOA_U
ClientSampleId : DB8A1

Tgt Ion: 96 Resp: 222410

Ion	Ratio	Lower	Upper
96	100		
61	141.7	103.2	191.6
98	62.7	45.7	84.9

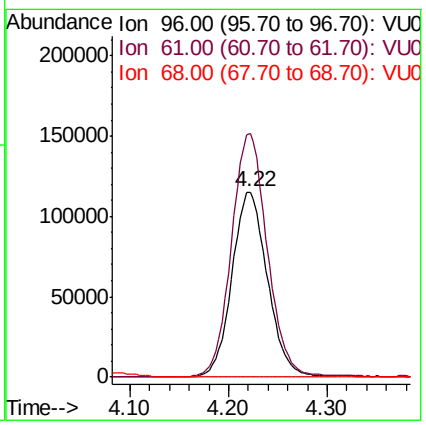


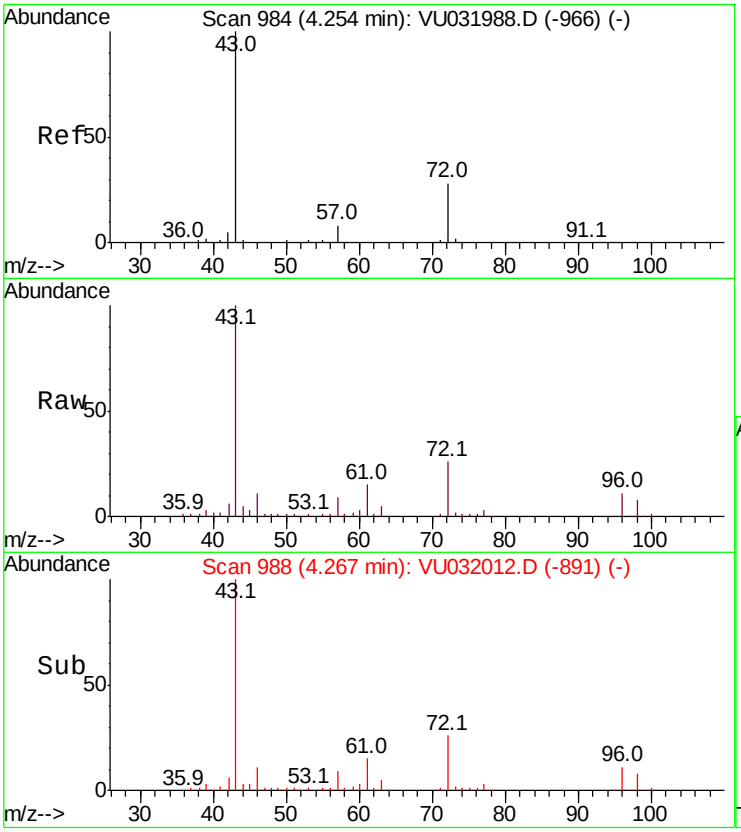


#20
cis-1,2-Dichloroethene
Concen: 31.353 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU032012.D
Acq: 14 May 2019 22:09

Tgt Ion: 96 Resp: 288273

Ion	Ratio	Lower	Upper
96	100		
61	131.4	93.0	172.8
68	0.0	0.0	0.0



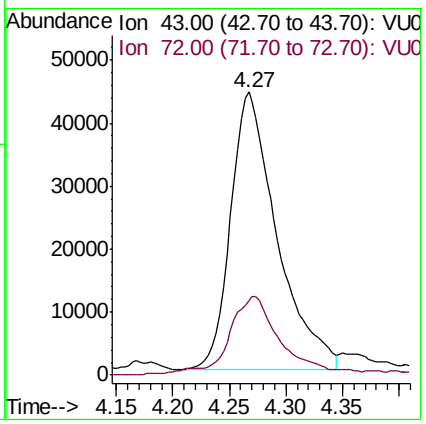


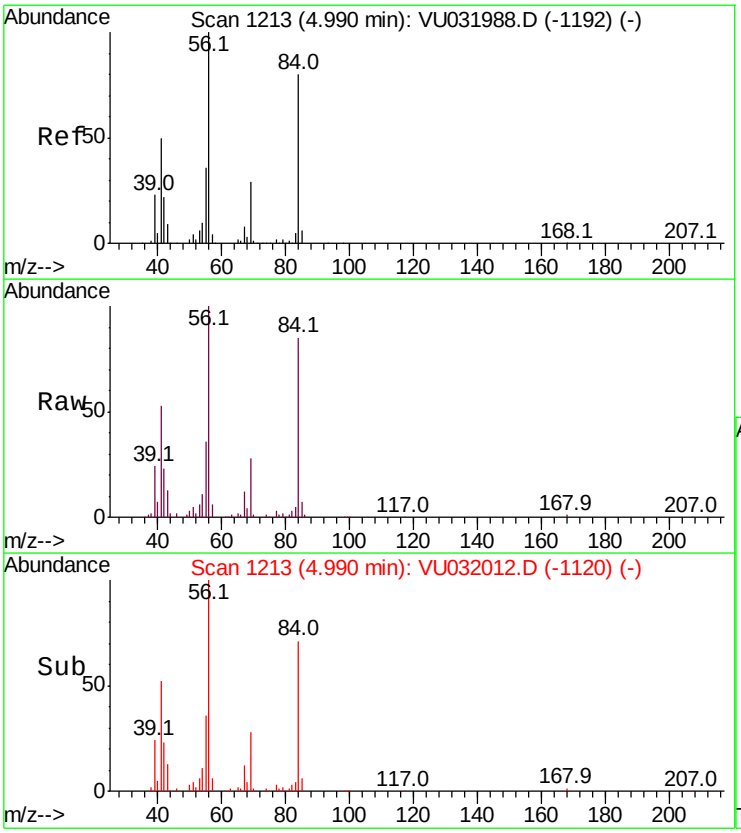
#22
2-Butanone
Concen: 15.865 ug/L
RT: 4.27 min Scan# 988
Delta R.T. 0.01 min
Lab File: VU032012.D
Acq: 14 May 2019 22:09

Instrument :
MSVOA_U
ClientSampleId :
DB8A1

Tgt Ion: 43 Resp: 125070

Ion	Ratio	Lower	Upper
43	100		
72	25.8	13.9	41.7

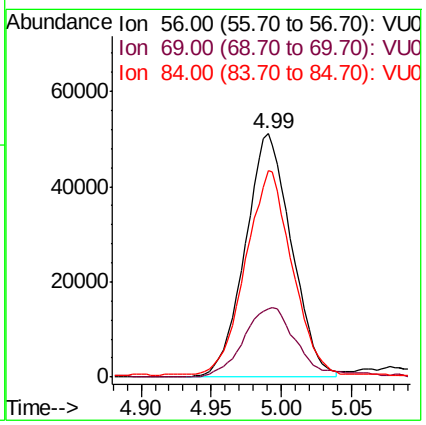


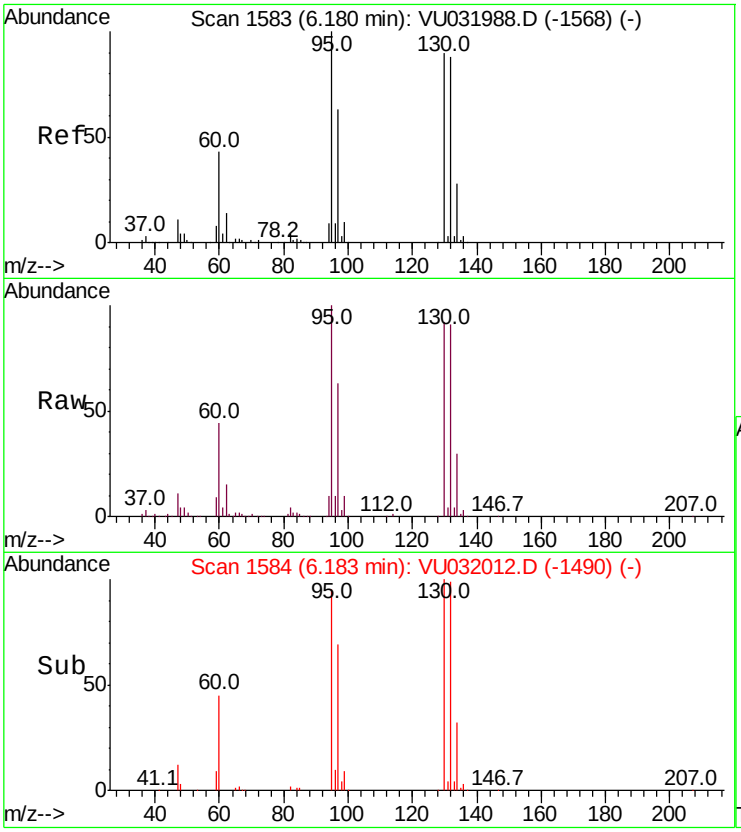


#29
Cyclohexane
Concen: 9.071 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU032012.D
Acq: 14 May 2019 22:09

Tgt Ion: 56 Resp: 117161

Ion	Ratio	Lower	Upper
56	100		
69	32.4	24.8	37.2
84	82.9	65.5	98.3



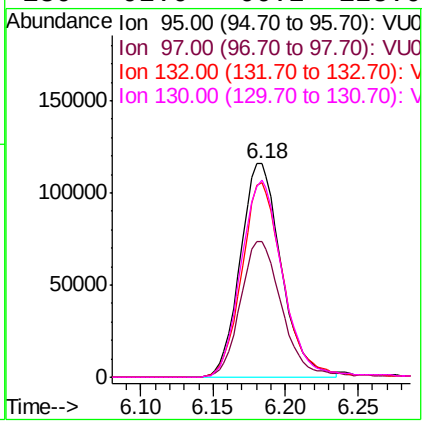


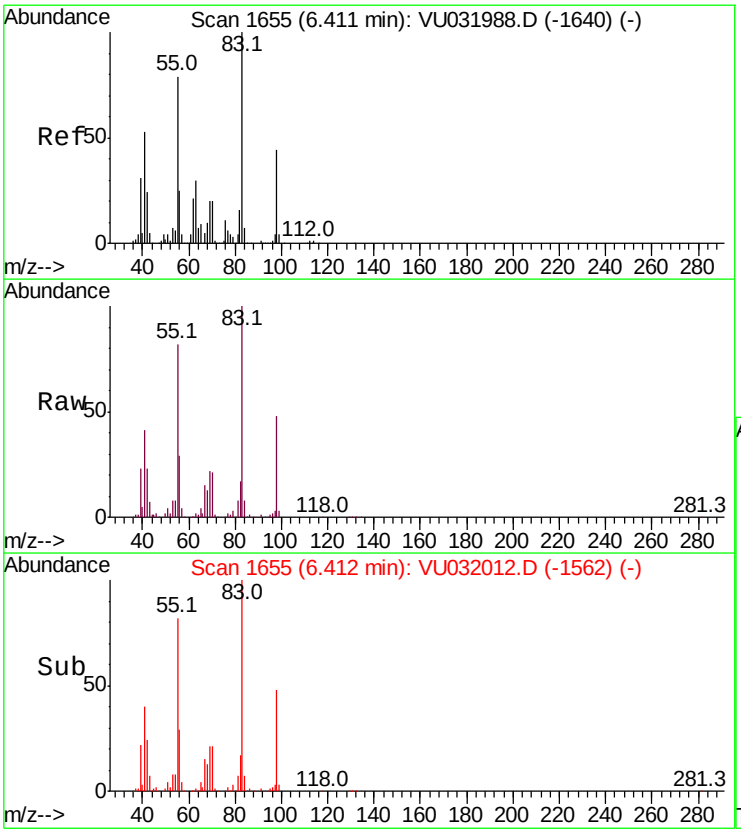
#34
Trichloroethene
Concen: 26.670 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU032012.D
Acq: 14 May 2019 22:09

Instrument :
MSVOA_U
ClientSampleId :
DB8A1

Tgt Ion: 95 Resp: 227973

Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.9	83.3
132	91.4	63.5	117.9
130	92.0	66.2	123.0

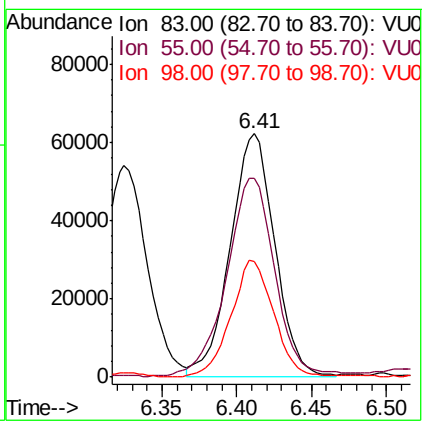


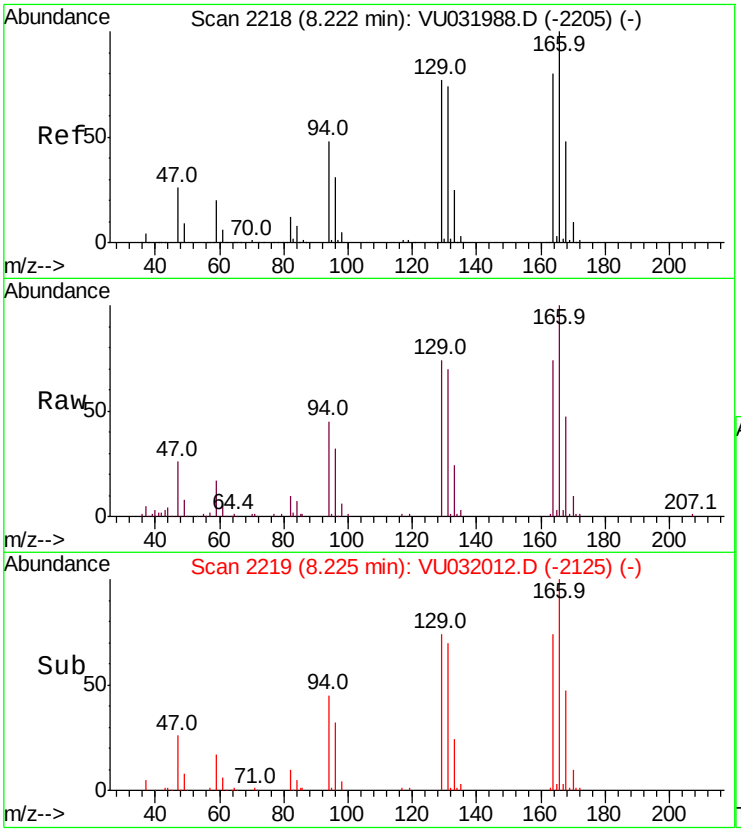


#35
Methylcyclohexane
Concen: 9.795 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU032012.D
Acq: 14 May 2019 22:09

Tgt Ion: 83 Resp: 128388

Ion	Ratio	Lower	Upper
83	100		
55	87.7	64.0	96.0
98	46.3	35.6	53.4



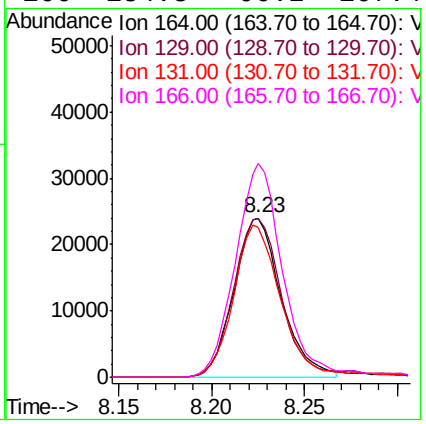


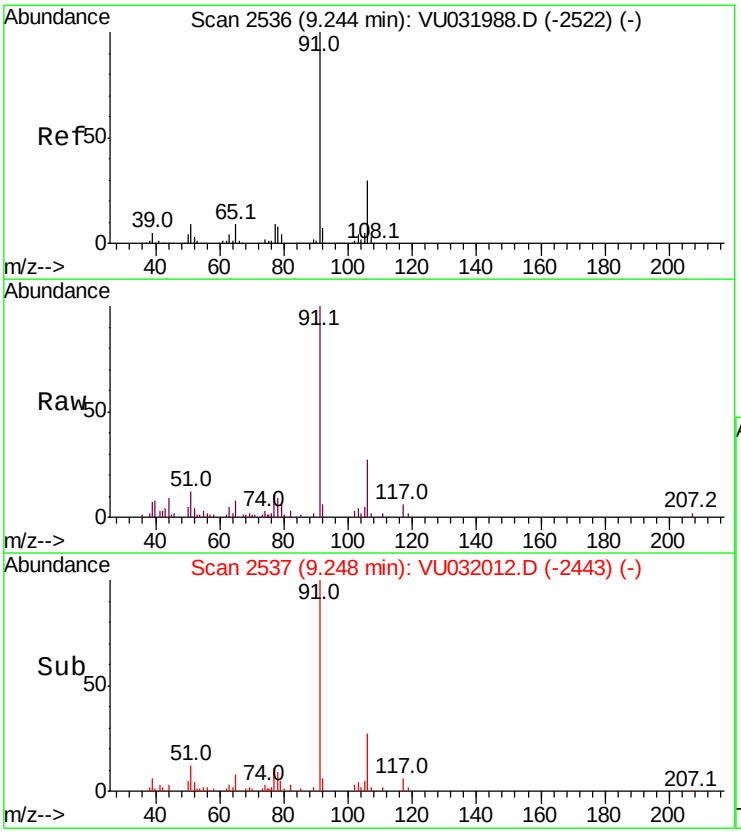
#46
Tetrachloroethene
Concen: 7.029 ug/L
RT: 8.23 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU032012.D
Acq: 14 May 2019 22:09

Instrument : MSVOA_U
ClientSampleId : DB8A1

Tgt Ion:164 Resp: 42418

Ion	Ratio	Lower	Upper
164	100		
129	99.9	70.9	131.7
131	93.9	67.4	125.2
166	134.3	90.2	167.4

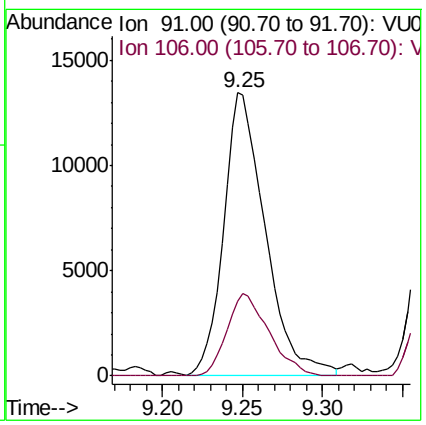


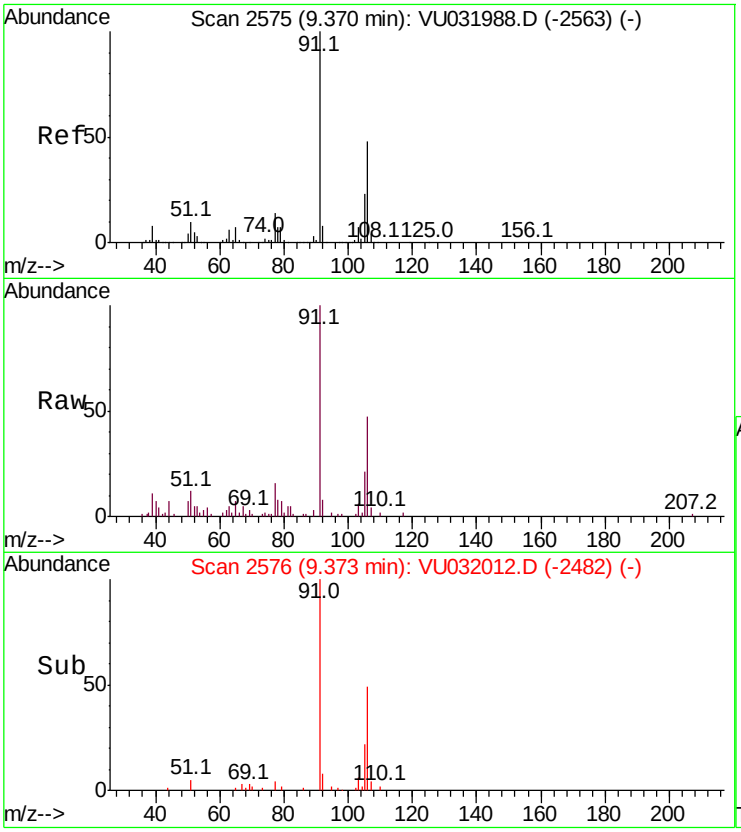


#52
Ethylbenzene
Concen: 0.633 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU032012.D
Acq: 14 May 2019 22:09

Tgt Ion: 91 Resp: 23978

Ion	Ratio	Lower	Upper
91	100		
106	26.6	21.3	39.5



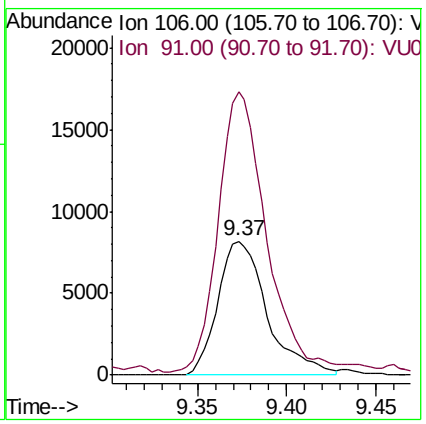


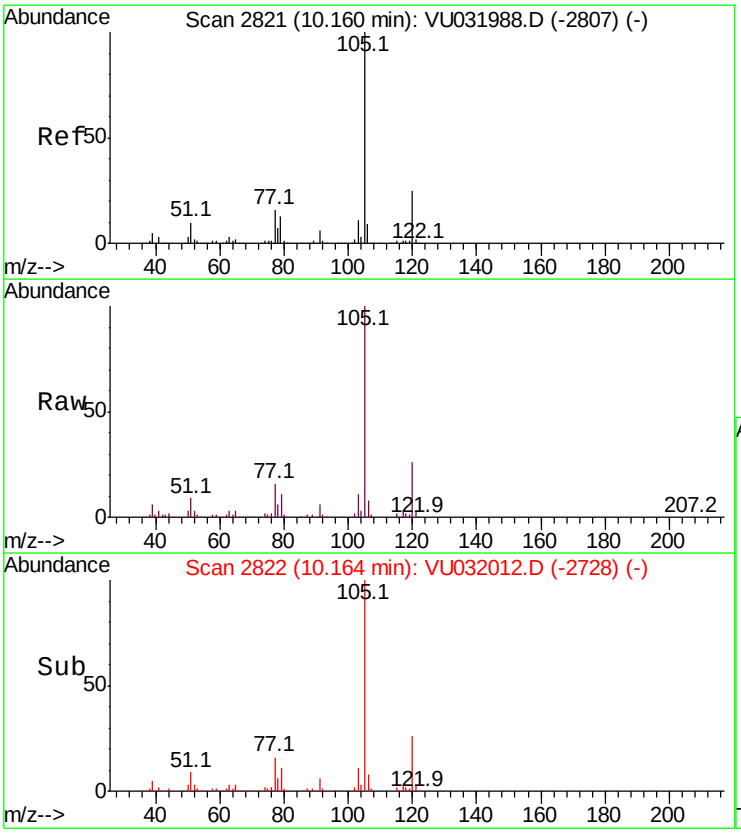
#53
m,p-Xylene
Concen: 1.140 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU032012.D
Acq: 14 May 2019 22:09

Instrument : MSVOA_U
ClientSampleId : DB8A1

Tgt Ion:106 Resp: 15763

Ion	Ratio	Lower	Upper
106	100		
91	211.2	144.8	269.0





#56
Isopropylbenzene
Concen: 4.930 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU032012.D
Acq: 14 May 2019 22:09

Tgt Ion:105 Resp: 172506

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.5	30.7
77	16.6	13.0	19.4