Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102219\
Data File : VU035355.D
Acq On : 22 Oct 2019 11:07
Operator : JC/SP
Sample : K5461-14MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G66MS

Quant Time: Oct 24 13:39:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 23 06:48:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	306102	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	293585	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	117581	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.62	65	74650	4.00	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 80.00%			
7) Chloroethane-d5	1.93	69	76497	4.48	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 89.60%			
11) 1,1-Dichloroethene-d2	2.60	63	145634	4.22	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 84.40%			
20) 2-Butanone-d5	4.70	46	259292	48.34	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 96.68%			
24) Chloroform-d	5.11	84	155458	4.56	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 91.20%			
26) 1,2-Dichloroethane-d4	5.75	65	91629	4.85	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 97.00%			
32) Benzene-d6	5.77	84	308019	4.59	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 91.80%			
36) 1,2-Dichloropropane-d6	6.74	67	108703	5.10	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 102.00%			
41) Toluene-d8	7.93	98	276506	4.31	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 86.20%			
43) trans-1,3-Dichloropropene-	8.21	79	40398	3.91	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 78.20%			
46) 2-Hexanone-d5	8.68	63	208467	45.69	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 91.38%			
57) 1,1,2,2-Tetrachloroethane-	10.79	84	91202	4.80	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 96.00%			
64) 1,2-Dichlorobenzene-d4	12.22	152	94674	4.42	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 88.40%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.61	96	68905	3.504	ug/L	92
13) Acetone	2.67	43	35046	9.393	ug/L	100
17) Methyl tert-butyl Ether	3.43	73	90047	1.701	ug/L #	76
18) trans-1,2-Dichloroethene	3.39	96	7020	0.331	ug/L	92
19) 1,1-Dichloroethane	3.92	63	3891	0.101	ug/L	97
21) 2-Butanone	4.78	43	14582	2.398	ug/L	97
22) cis-1,2-Dichloroethene	4.72	96	123787	5.277	ug/L	100
33) Benzene	5.82	78	365263	4.228	ug/L	100
34) Trichloroethene	6.58	95	458779	19.755	ug/L	95
42) Toluene	8.01	91	402829	4.224	ug/L	100
47) Tetrachloroethene	8.58	164	15352	0.793	ug/L	94
51) Chlorobenzene	9.48	112	266516	4.329	ug/L	99

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

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Quant Title : TRACE VOA SOM01.0
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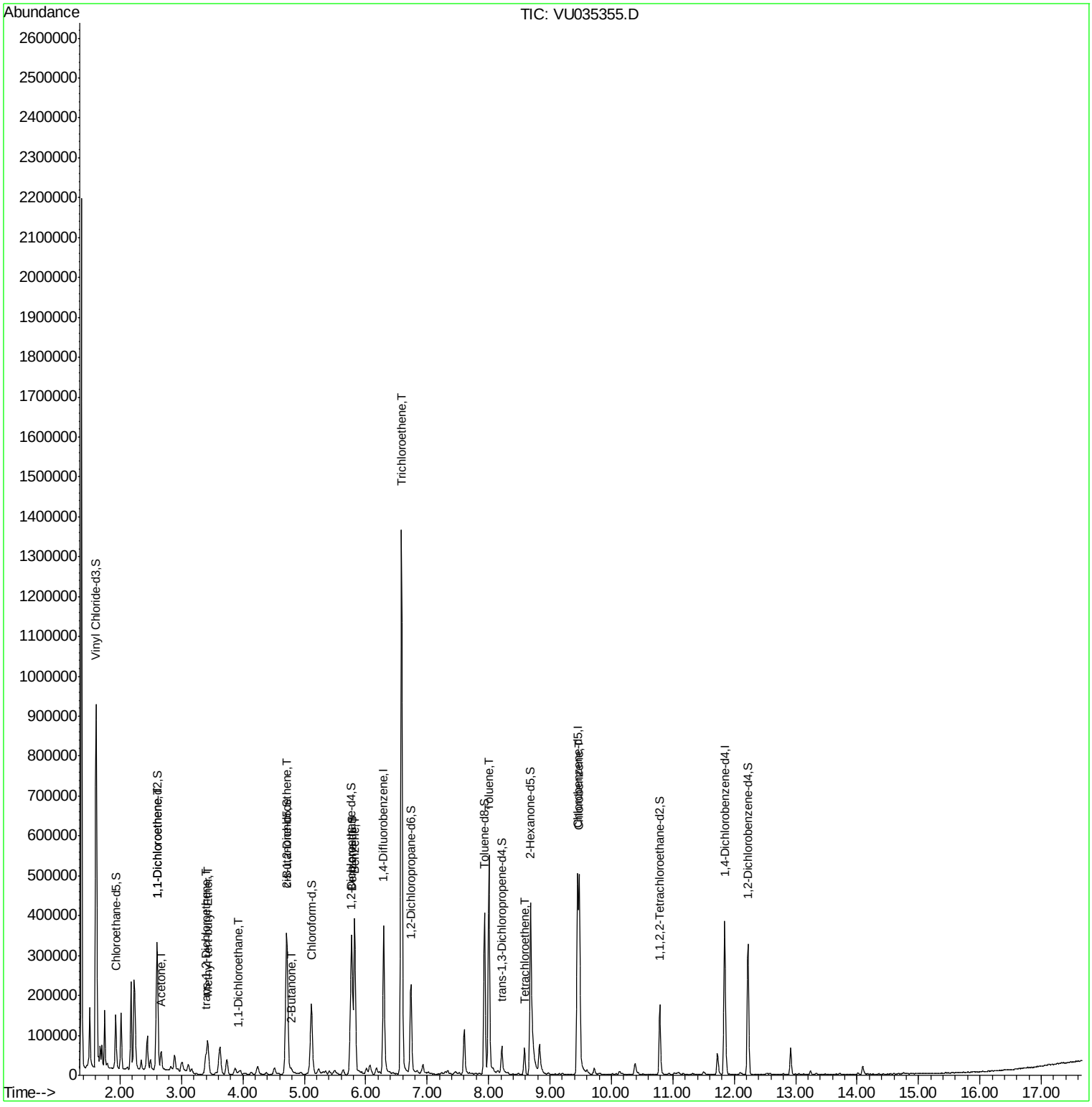
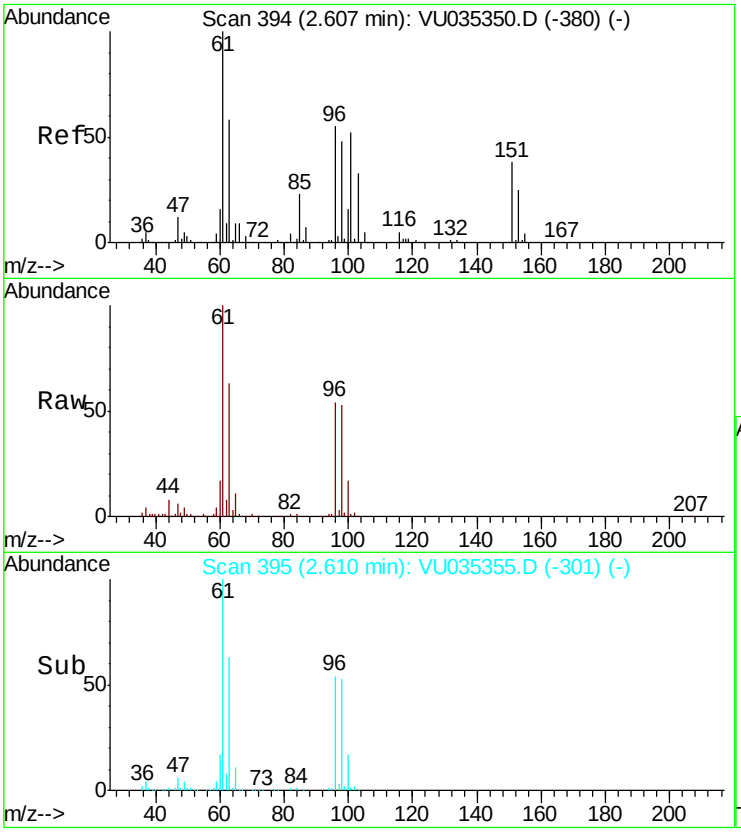


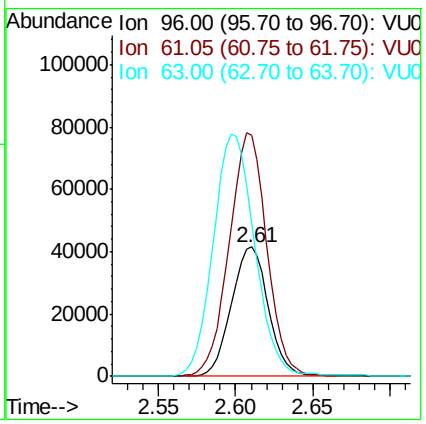


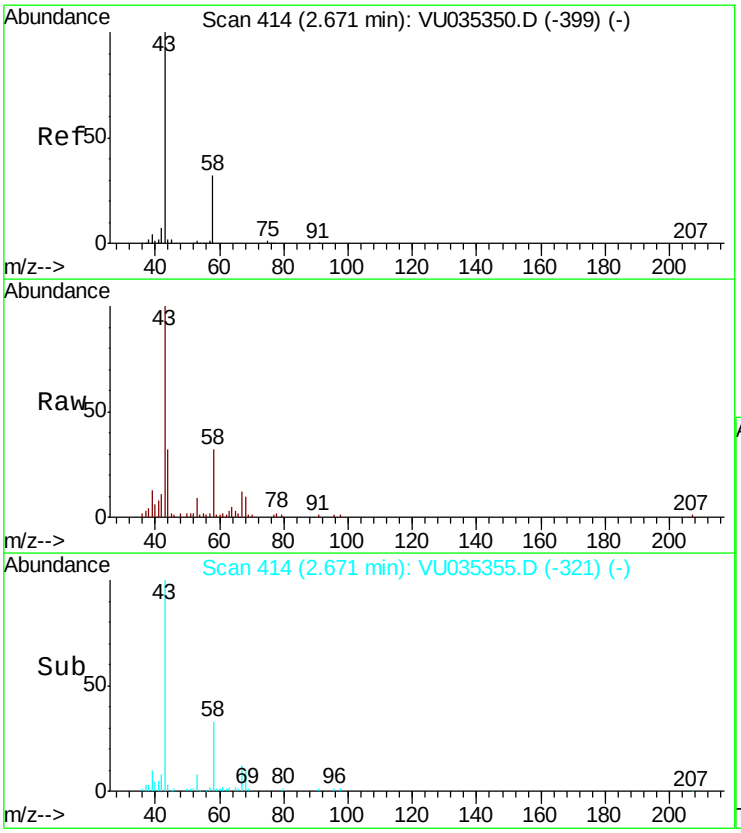
#12
1,1-Dichloroethene
Concen: 3.504 ug/L
RT: 2.61 min Scan# 395
Delta R.T. 0.00 min
Lab File: VU035355.D
Acq: 22 Oct 2019 11:07

Instrument : MSVOA_U
ClientSampleId : H0G66MS

Tgt Ion: 96 Resp: 68905

Ion	Ratio	Lower	Upper
96	100		
61	186.4	120.6	224.0
63	118.2	86.8	161.2

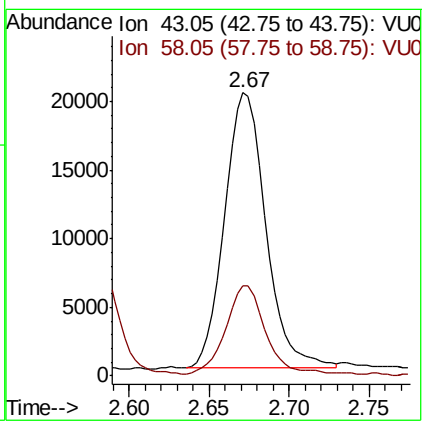


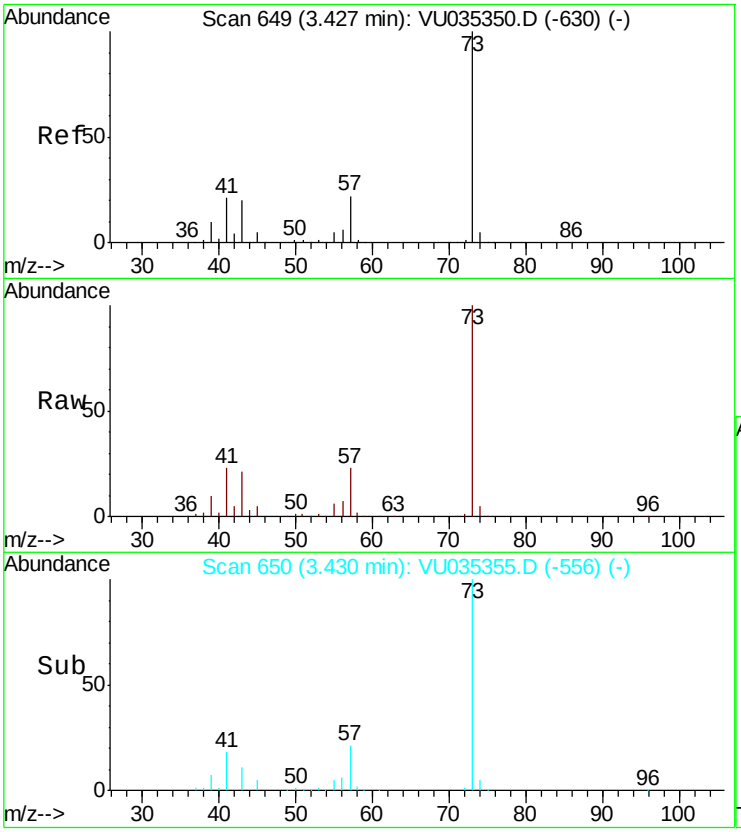


#13
Acetone
Concen: 9.393 ug/L
RT: 2.67 min Scan# 414
Delta R.T. -0.00 min
Lab File: VU035355.D
Acq: 22 Oct 2019 11:07

Tgt Ion: 43 Resp: 35046

Ion	Ratio	Lower	Upper
43	100		
58	31.1	0.0	61.8



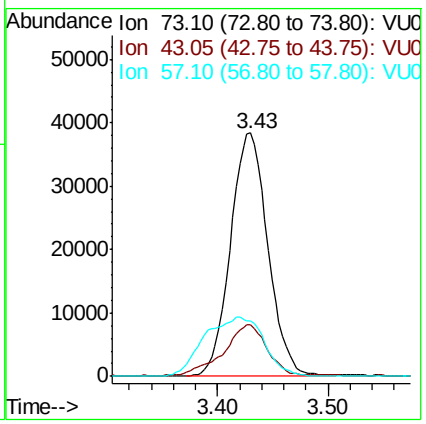


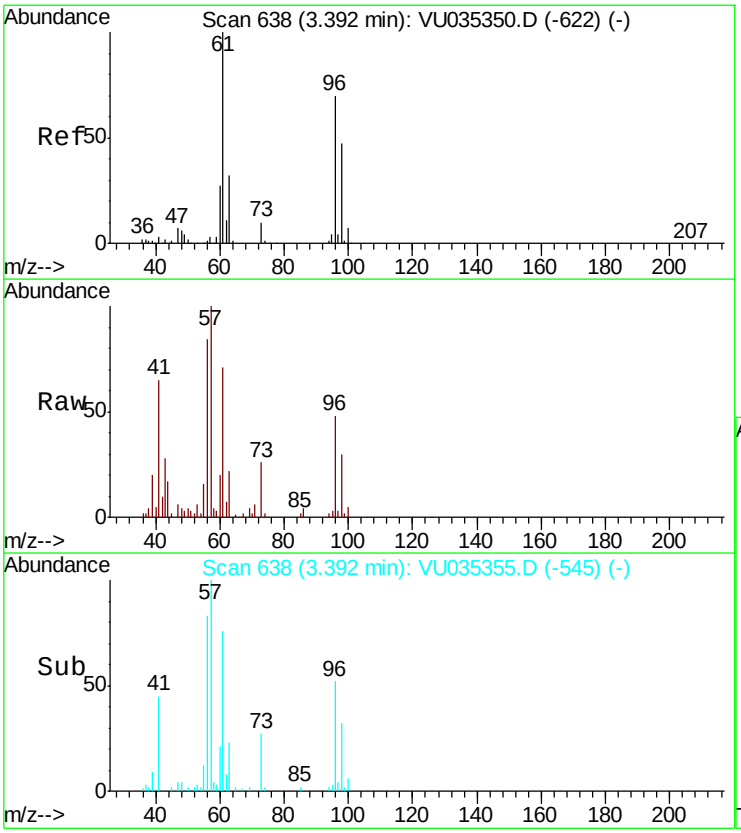
#17
Methyl tert-butyl Ether
Concen: 1.701 ug/L
RT: 3.43 min Scan# 650
Delta R.T. 0.00 min
Lab File: VU035355.D
Acq: 22 Oct 2019 11:07

Instrument : MSVOA_U
ClientSampleId : H0G66MS

Tgt Ion: 73 Resp: 90047

Ion	Ratio	Lower	Upper
73	100		
43	25.1	16.0	24.0#
57	38.9	17.4	26.2#

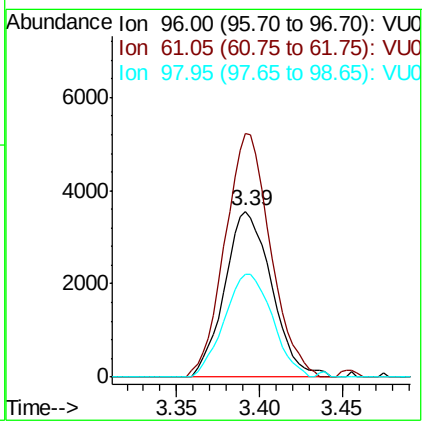


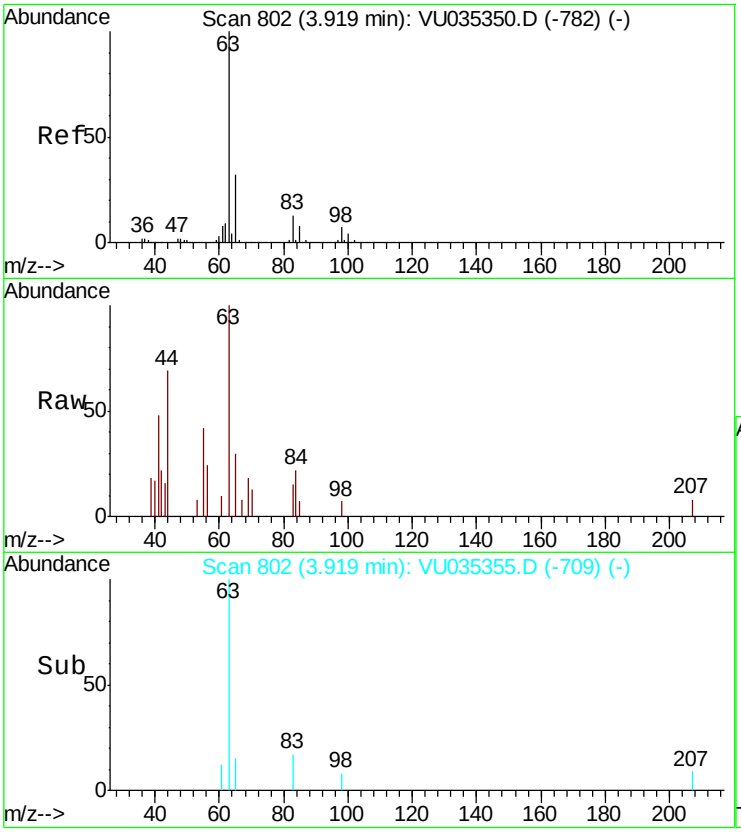


#18
trans-1,2-Dichloroethene
Concen: 0.331 ug/L
RT: 3.39 min Scan# 638
Delta R.T. -0.00 min
Lab File: VU035355.D
Acq: 22 Oct 2019 11:07

Tgt Ion: 96 Resp: 7020

Ion	Ratio	Lower	Upper
96	100		
61	147.0	93.0	172.6
98	62.0	43.7	81.1



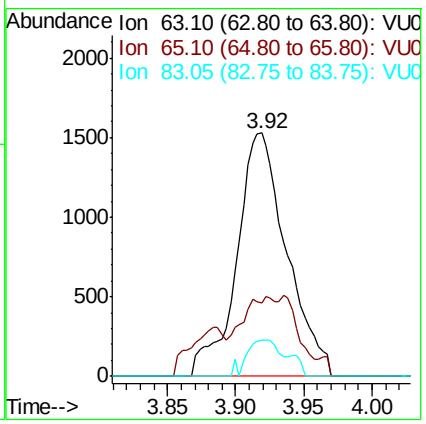


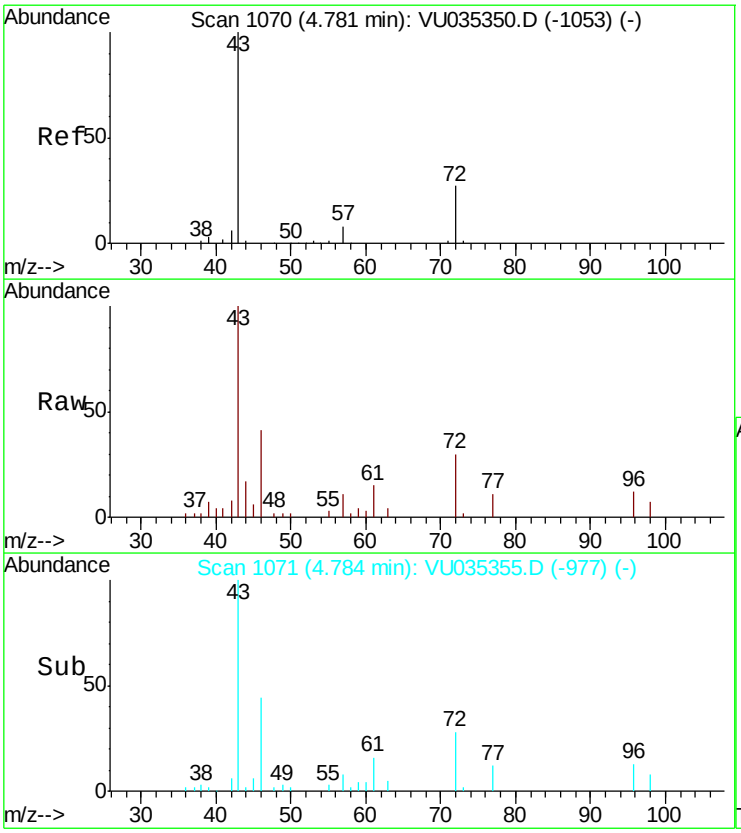
#19
1,1-Dichloroethane
Concen: 0.101 ug/L
RT: 3.92 min Scan# 802
Delta R.T. -0.00 min
Lab File: VU035355.D
Acq: 22 Oct 2019 11:07

Instrument : MSVOA_U
ClientSampleId : H0G66MS

Tgt Ion: 63 Resp: 3891

Ion	Ratio	Lower	Upper
63	100		
65	30.3	22.4	41.6
83	14.8	9.3	17.3

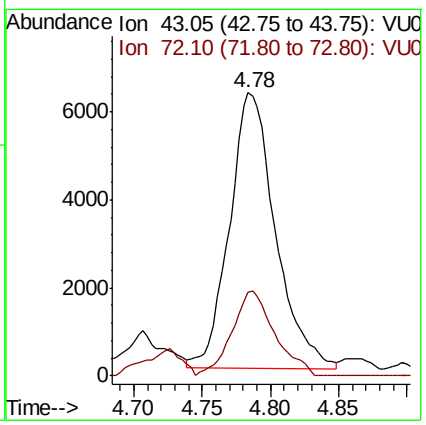


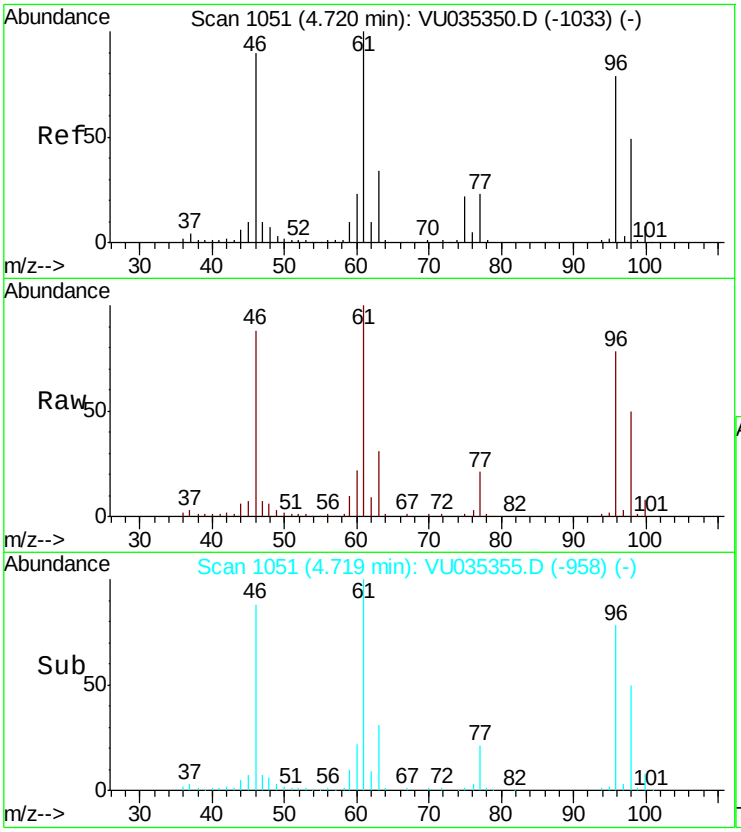


#21
2-Butanone
Concen: 2.398 ug/L
RT: 4.78 min Scan# 1071
Delta R.T. 0.00 min
Lab File: VU035355.D
Acq: 22 Oct 2019 11:07

Tgt Ion: 43 Resp: 14582

Ion	Ratio	Lower	Upper
43	100		
72	28.9	13.6	40.8



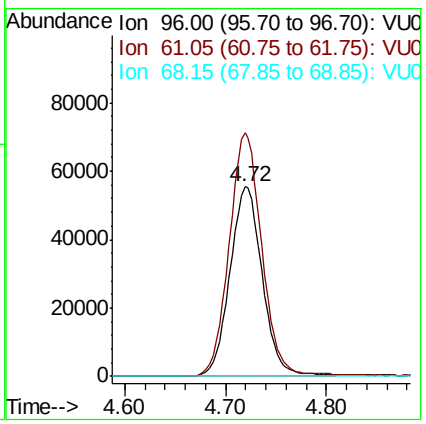


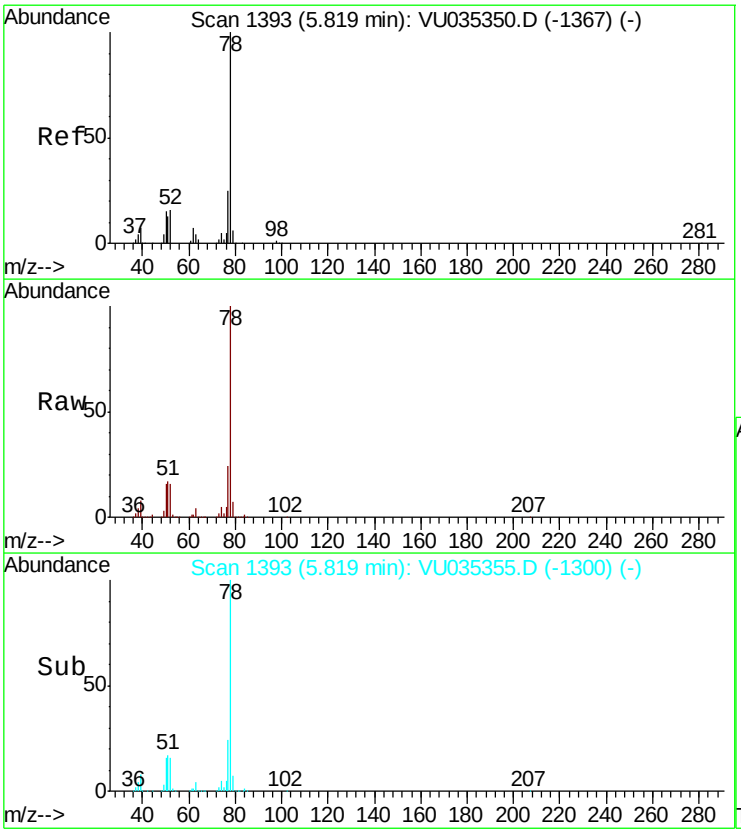
#22
cis-1,2-Dichloroethene
Concen: 5.277 ug/L
RT: 4.72 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VU035355.D
Acq: 22 Oct 2019 11:07

Instrument :
MSVOA_U
ClientSampleId :
H0G66MS

Tgt Ion: 96 Resp: 123787

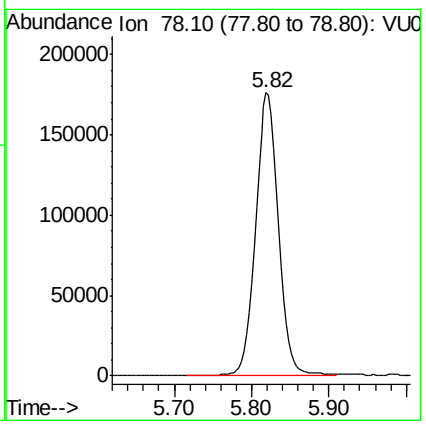
Ion	Ratio	Lower	Upper
96	100		
61	128.6	89.7	166.5
68	0.0	0.0	0.0

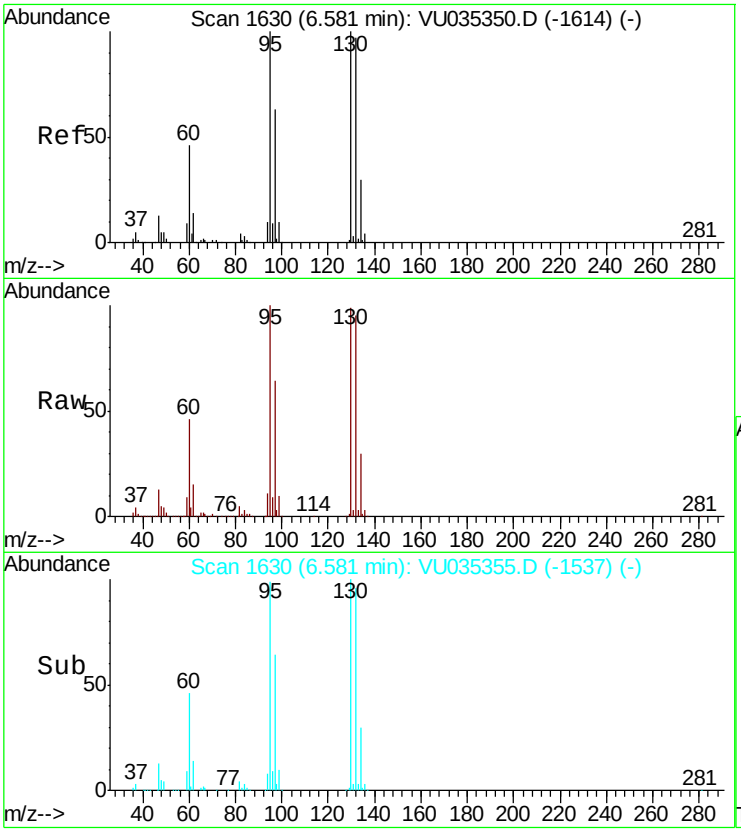




#33
Benzene
Concen: 4.228 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VU035355.D
Acq: 22 Oct 2019 11:07

Tgt Ion: 78 Resp: 365263



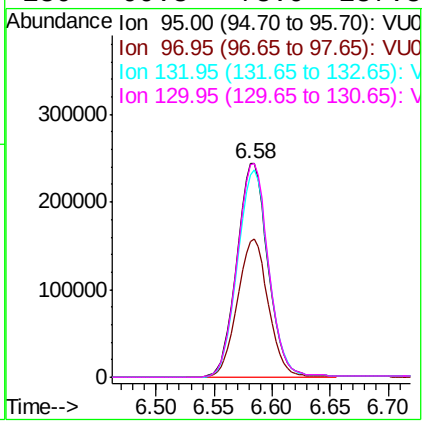


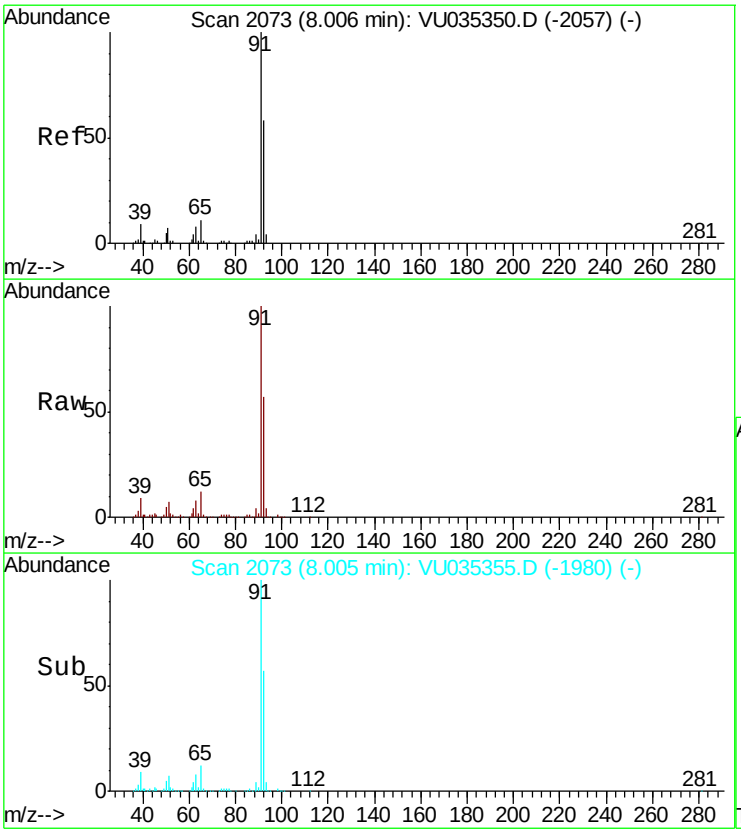
#34
Trichloroethene
Concen: 19.755 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU035355.D
Acq: 22 Oct 2019 11:07

Instrument :
MSVOA_U
ClientSampleId :
H0G66MS

Tgt Ion: 95 Resp: 458779

Ion	Ratio	Lower	Upper
95	100		
97	63.6	46.6	86.6
132	94.9	68.7	127.7
130	99.3	73.9	137.3

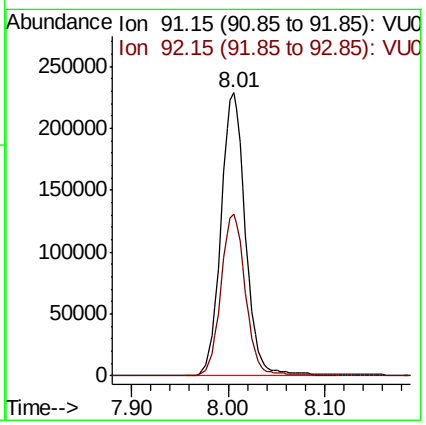


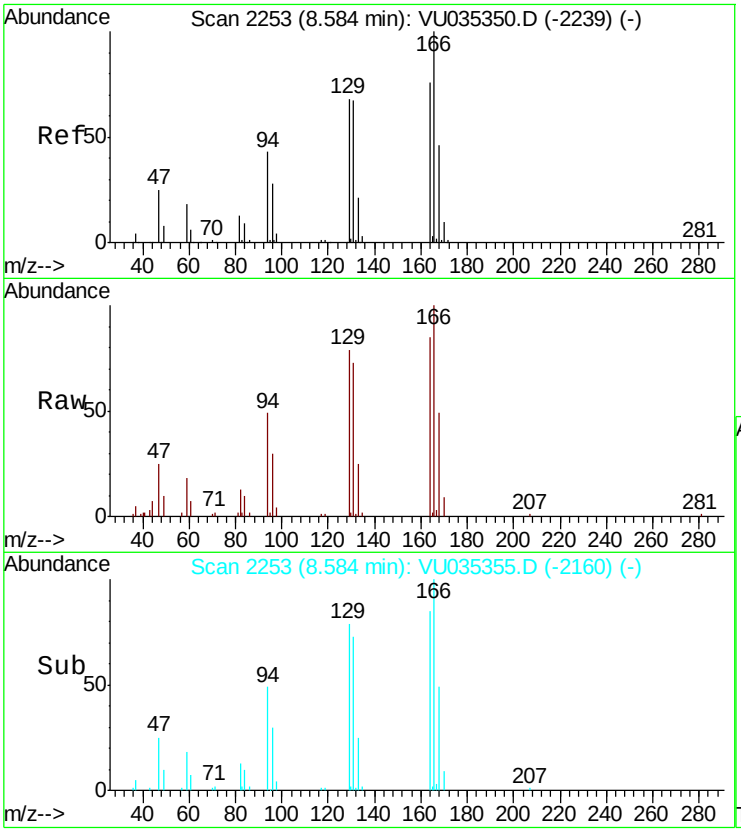


#42
Toluene
Concen: 4.224 ug/L
RT: 8.01 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VU035355.D
Acq: 22 Oct 2019 11:07

Tgt Ion: 91 Resp: 402829

Ion	Ratio	Lower	Upper
91	100		
92	57.0	39.9	74.1



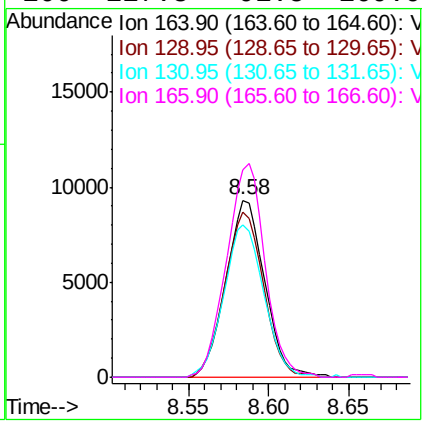


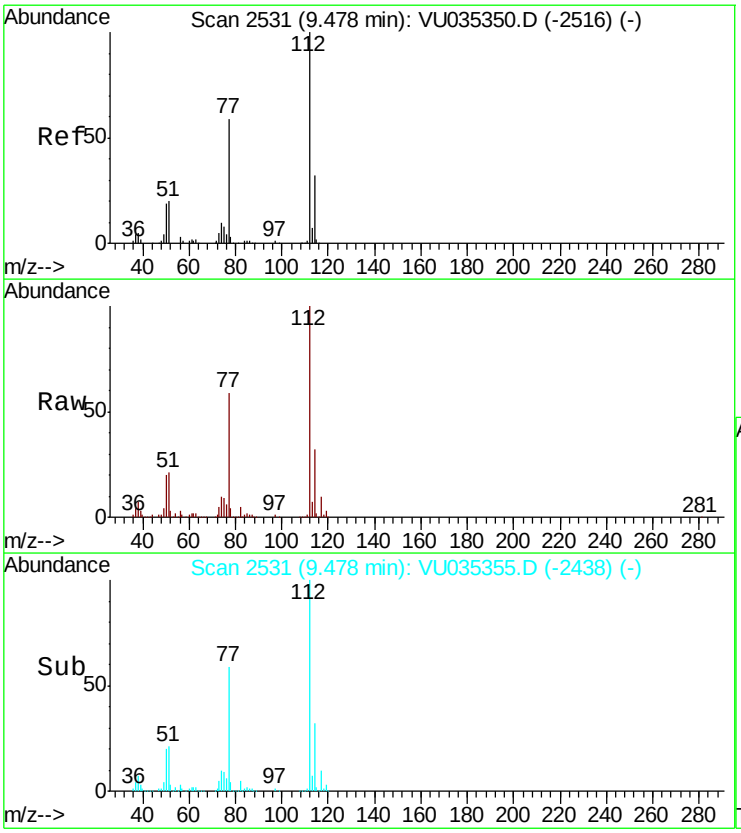
#47
Tetrachloroethene
Concen: 0.793 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VU035355.D
Acq: 22 Oct 2019 11:07

Instrument :
MSVOA_U
ClientSampleId :
H0G66MS

Tgt Ion:164 Resp: 15352

Ion	Ratio	Lower	Upper
164	100		
129	92.9	65.2	121.0
131	86.0	62.9	116.9
166	117.3	91.5	169.9





#51
Chlorobenzene
Concen: 4.329 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035355.D
Acq: 22 Oct 2019 11:07

Tgt Ion:112 Resp: 266516

Ion	Ratio	Lower	Upper
112	100		
114	31.9	23.0	42.8
77	58.7	47.5	71.3