Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030728.D
Acq On : 05 Apr 2019 09:09
Operator : JC/SP
Sample : K2249-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YE2

Quant Time: Apr 06 00:08:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 05 23:39:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	469601	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	459598	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	215418	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	214557	51.18	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 102.36%			
7) Chloroethane-d5	1.68	69	165508	52.02	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.04%			
11) 1,1-Dichloroethene-d2	2.27	63	293251	38.68	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 77.36%			
21) 2-Butanone-d5	4.17	46	348522	104.90	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 104.90%			
24) Chloroform-d	4.64	84	291171	45.47	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.94%			
26) 1,2-Dichloroethane-d4	5.31	65	217962	49.88	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.76%			
32) Benzene-d6	5.34	84	662434	49.37	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.74%			
36) 1,2-Dichloropropane-d6	6.32	67	227962	49.58	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 99.16%			
41) Toluene-d8	7.56	98	575713	48.41	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.82%			
43) trans-1,3-Dichloropropene-	7.85	79	93028	44.37	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 88.74%			
47) 2-Hexanone-d5	8.31	63	212184	100.97	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 100.97%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	308279	49.70	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 99.40%			
64) 1,2-Dichlorobenzene-d4	11.85	152	209023	49.34	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.68%			
Target Compounds						Qvalue
5) Vinyl chloride	1.40	62	172215	33.344	ug/L	95
8) Chloroethane	1.69	64	893661	303.368	ug/L	100
13) Acetone	2.32	43	13645	4.014	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	6727	1.952	ug/L	95
19) 1,1-Dichloroethane	3.44	63	4576446	643.400	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	1828940	480.579	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	283045	50.534	ug/L	98
34) Trichloroethene	6.18	95	12954	3.512	ug/L	96
35) Methylcyclohexane	6.41	83	7629	1.340	ug/L #	85
42) Toluene	7.63	91	190274	12.394	ug/L	99
46) Tetrachloroethene	8.22	164	35874	13.376	ug/L	97
52) Ethylbenzene	9.25	91	247349	14.781	ug/L	97
53) m,p-Xylene	9.37	106	177084	30.341	ug/L	100
54) o-xylene	9.77	106	136533	23.518	ug/L	97
56) Isopropylbenzene	10.16	105	62225	4.071	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	19303	2.826	ug/L	97

Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\
Data File : VU030728.D
Acq On : 05 Apr 2019 09:09
Operator : JC/SP
Sample : K2249-09
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YE2

Quant Time: Apr 06 00:08:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 05 23:39:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
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Quant Title : VOC Analysis
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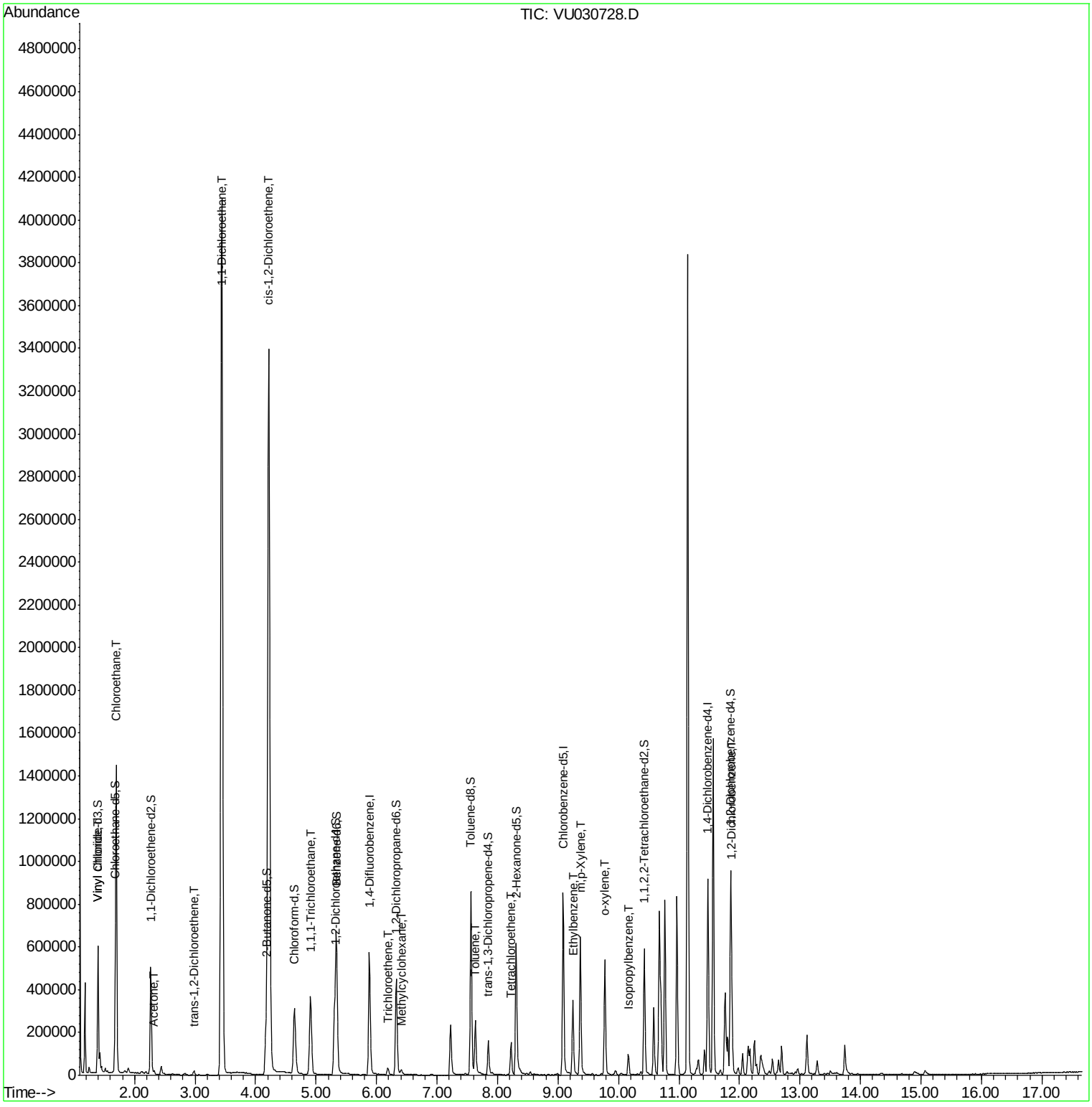
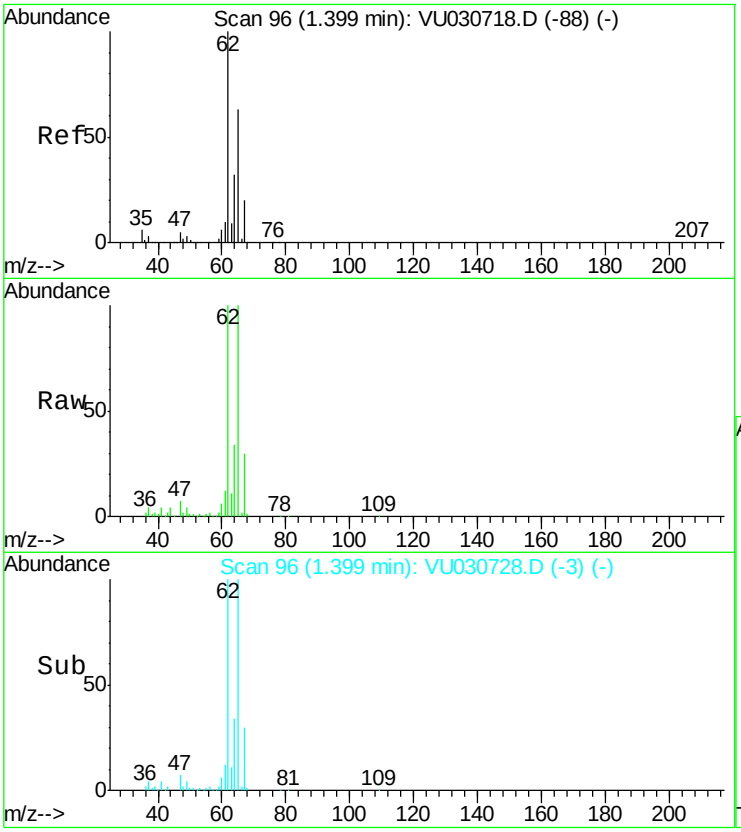


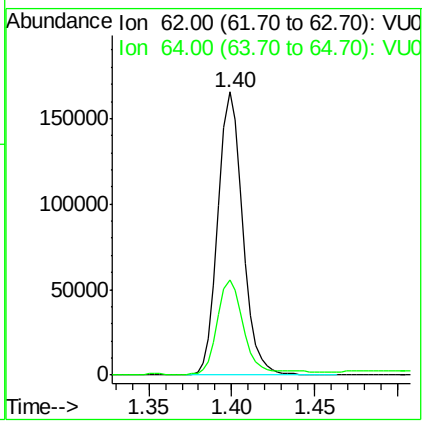


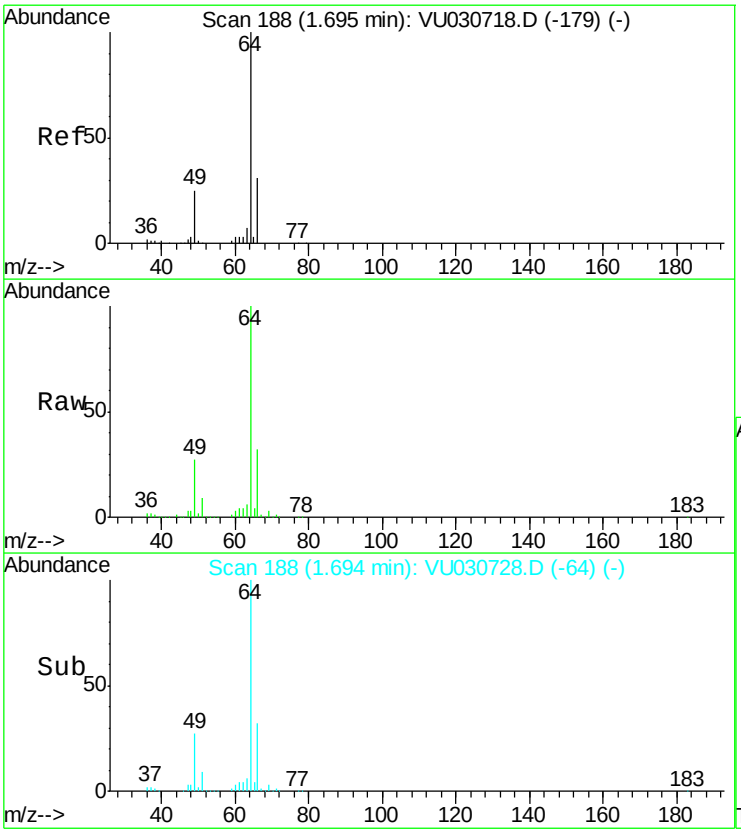
#5
Vinyl chloride
Concen: 33.344 ug/L
RT: 1.40 min Scan# 96
Delta R.T. -0.00 min
Lab File: VU030728.D
Acq: 05 Apr 2019 09:09

Instrument :
MSVOA_U
ClientSampleId :
E3YE2

Tgt Ion: 62 Resp: 172215

Ion	Ratio	Lower	Upper
62	100		
64	33.7	21.5	39.9

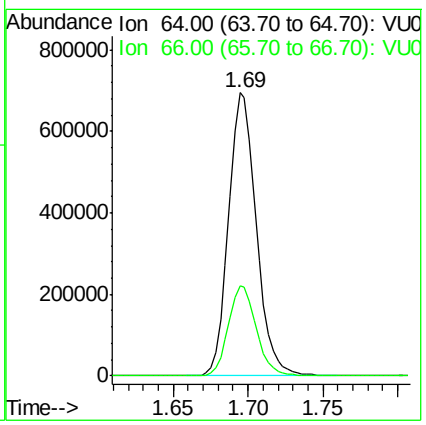


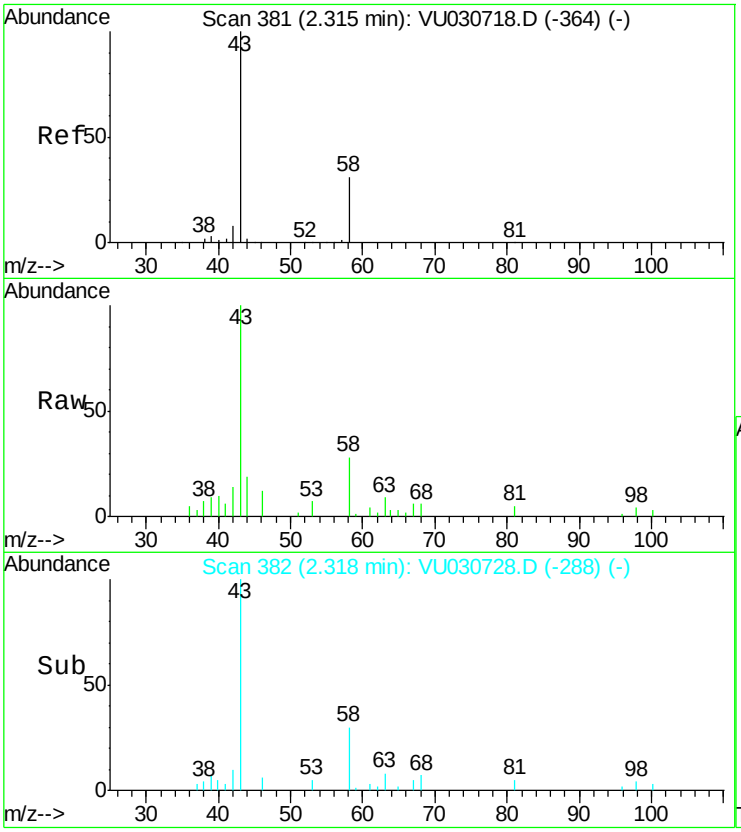


#8
Chloroethane
Concen: 303.368 ug/L
RT: 1.69 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU030728.D
Acq: 05 Apr 2019 09:09

Tgt Ion: 64 Resp: 893661

Ion	Ratio	Lower	Upper
64	100		
66	32.0	22.4	41.6



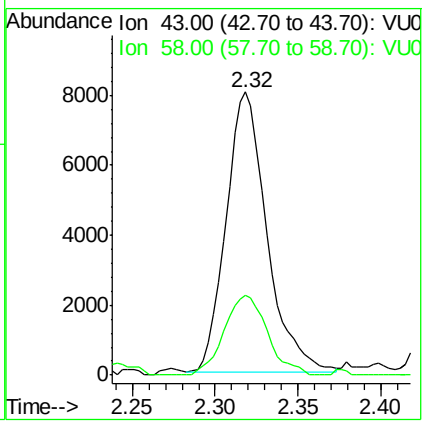


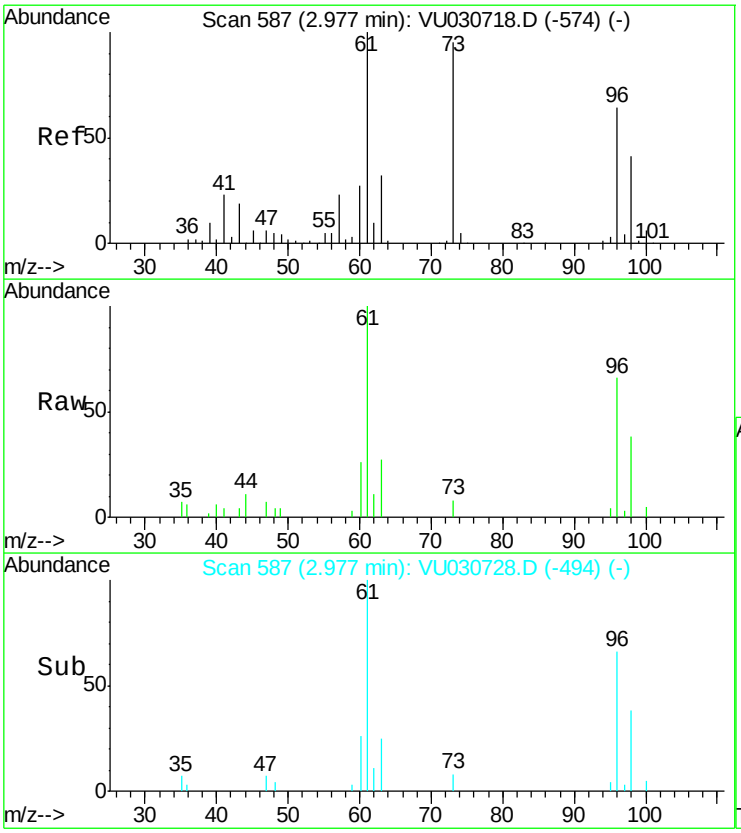
#13
Acetone
Concen: 4.014 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VU030728.D
Acq: 05 Apr 2019 09:09

Instrument : MSVOA_U
ClientSampleId : E3YE2

Tgt Ion: 43 Resp: 13645

Ion	Ratio	Lower	Upper
43	100		
58	30.2	0.0	64.0

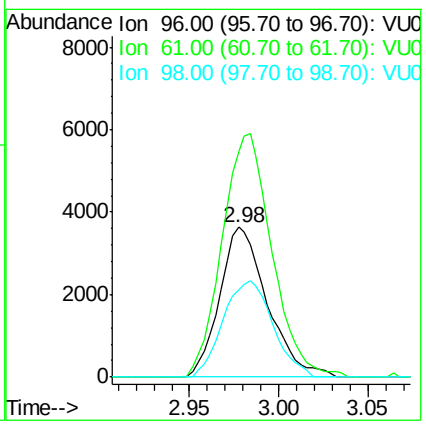


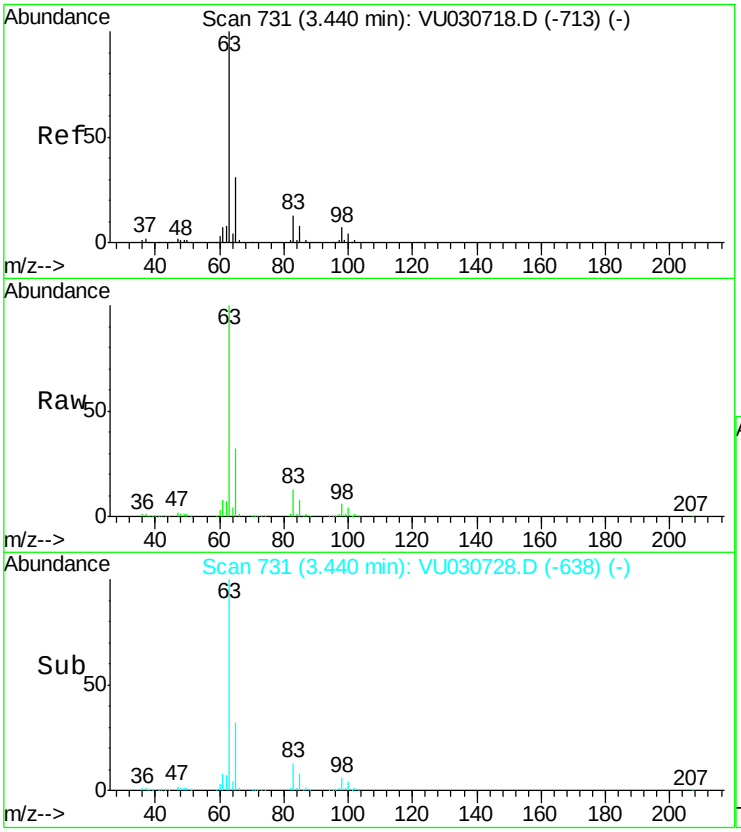


#17
trans-1,2-Dichloroethene
Concen: 1.952 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU030728.D
Acq: 05 Apr 2019 09:09

Tgt Ion: 96 Resp: 6727

Ion	Ratio	Lower	Upper
96	100		
61	150.6	109.5	203.3
98	57.9	44.0	81.6



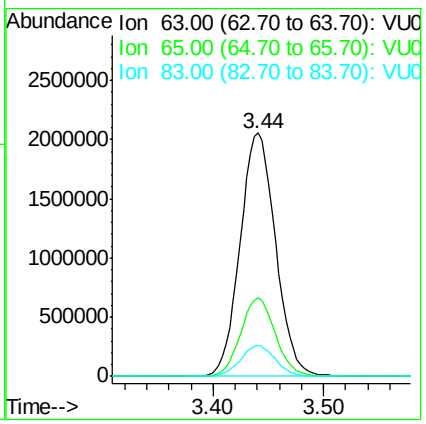


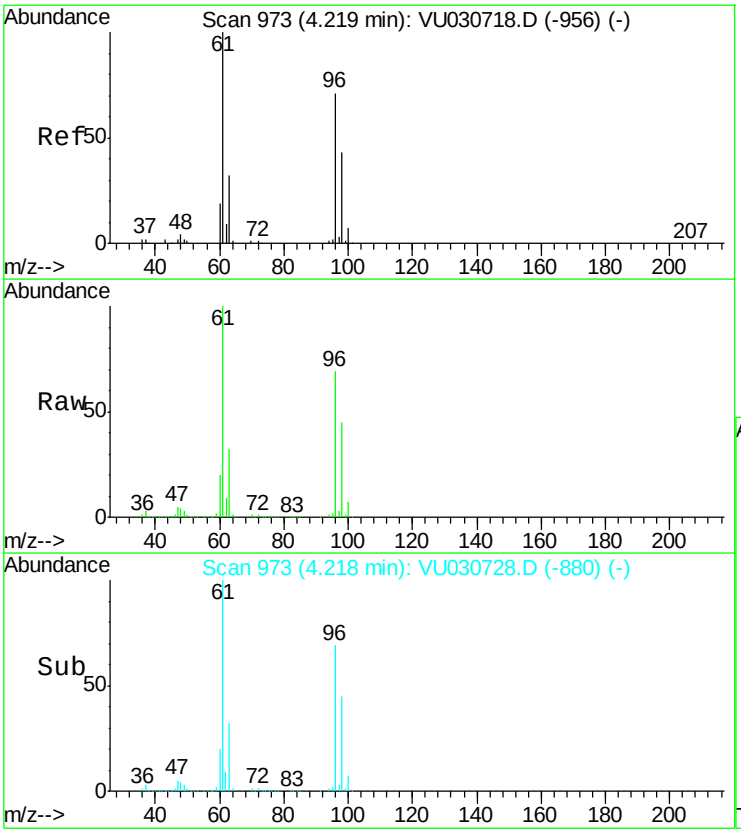
#19
1,1-Dichloroethane
Concen: 643.400 ug/L
RT: 3.44 min Scan# 731
Delta R.T. -0.00 min
Lab File: VU030728.D
Acq: 05 Apr 2019 09:09

Instrument : MSVOA_U
ClientSampleId : E3YE2

Tgt Ion: 63 Resp: 4576446

Ion	Ratio	Lower	Upper
63	100		
65	32.2	21.4	39.8
83	12.6	8.5	15.7

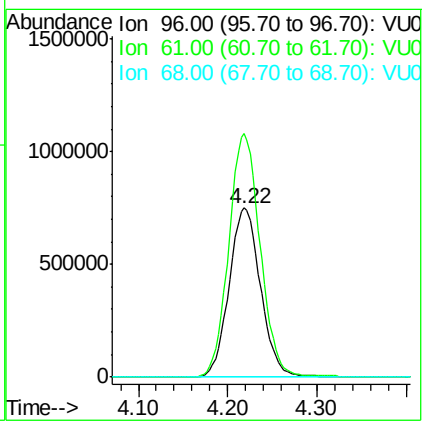


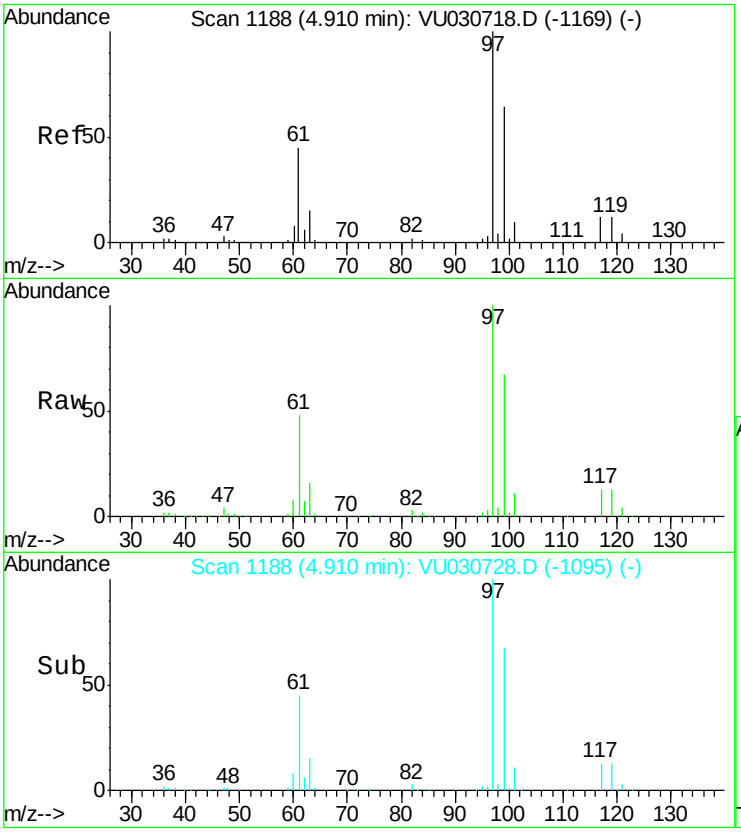


#20
cis-1,2-Dichloroethene
Concen: 480.579 ug/L
RT: 4.22 min Scan# 973
Delta R.T. -0.00 min
Lab File: VU030728.D
Acq: 05 Apr 2019 09:09

Tgt Ion: 96 Resp: 1828940

Ion	Ratio	Lower	Upper
96	100		
61	144.0	102.9	191.1
68	0.0	0.0	0.0



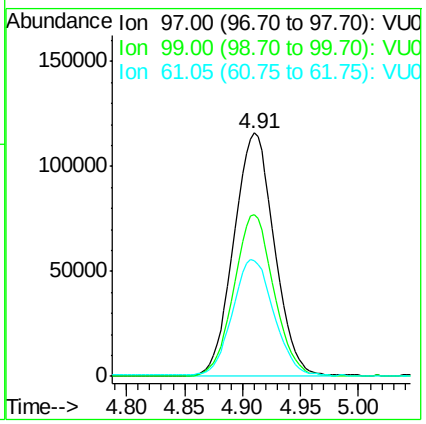


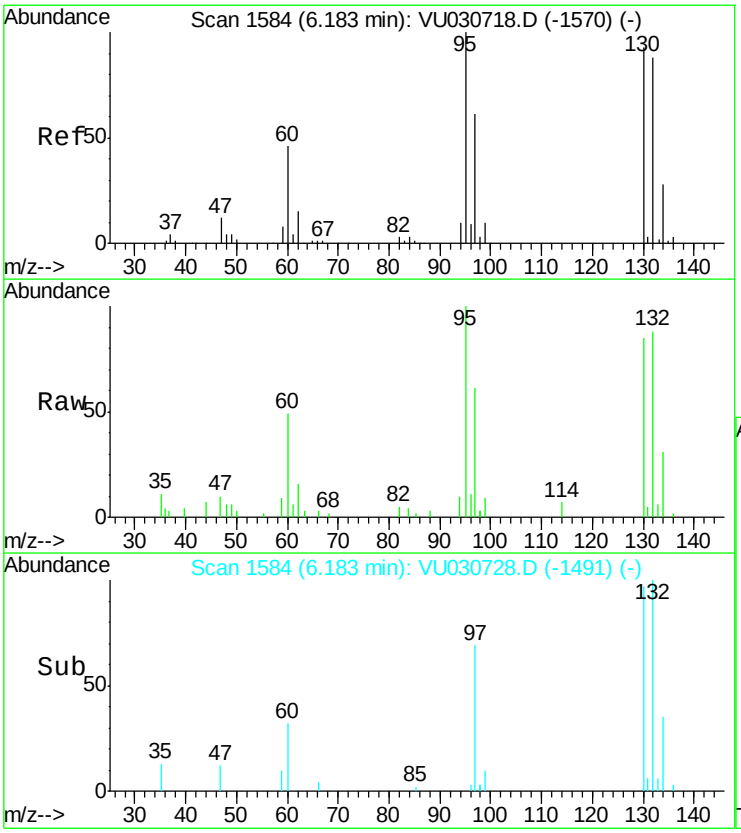
#30
1,1,1-Trichloroethane
Concen: 50.534 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU030728.D
Acq: 05 Apr 2019 09:09

Instrument :
MSVOA_U
ClientSampleId :
E3YE2

Tgt Ion: 97 Resp: 283045

Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.4	77.2
61	48.0	37.1	55.7

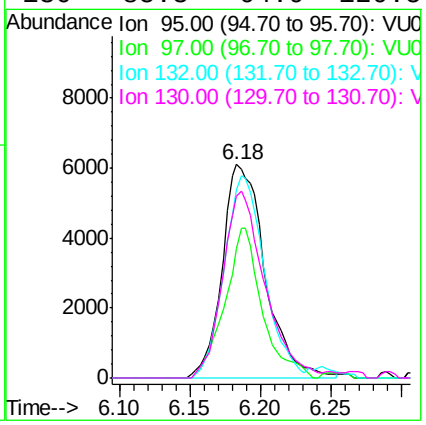


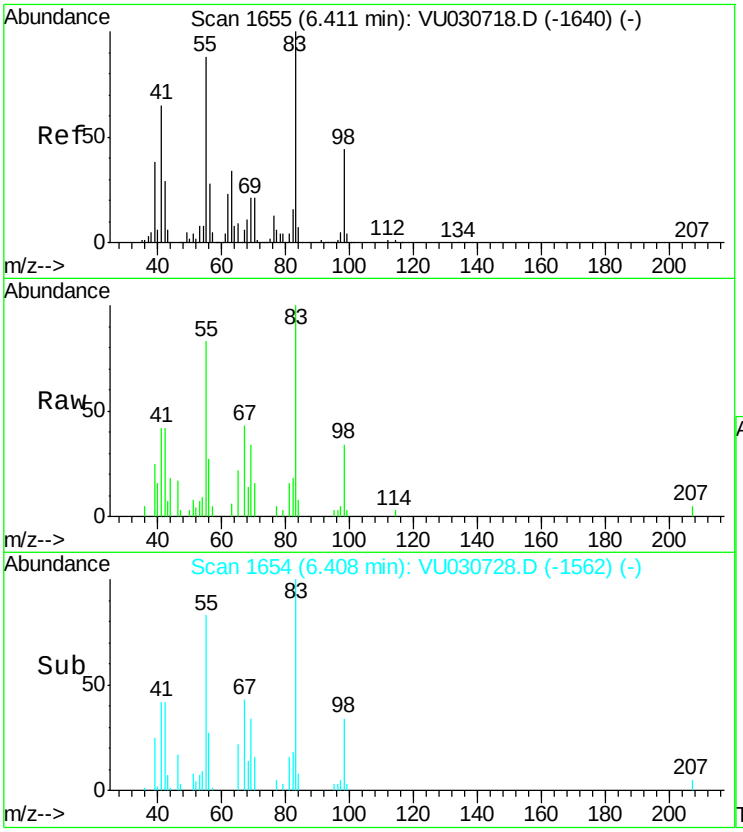


#34
Trichloroethene
Concen: 3.512 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VU030728.D
Acq: 05 Apr 2019 09:09

Tgt Ion: 95 Resp: 12954

Ion	Ratio	Lower	Upper
95	100		
97	60.8	44.5	82.7
132	88.2	61.5	114.1
130	85.3	64.9	120.5



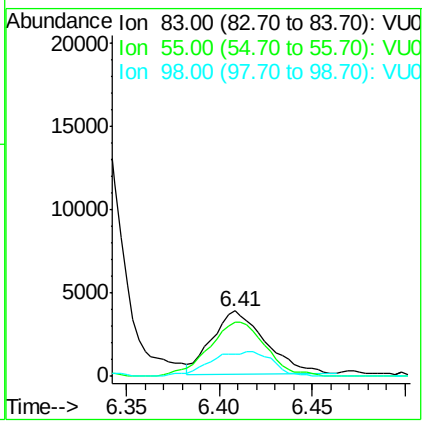


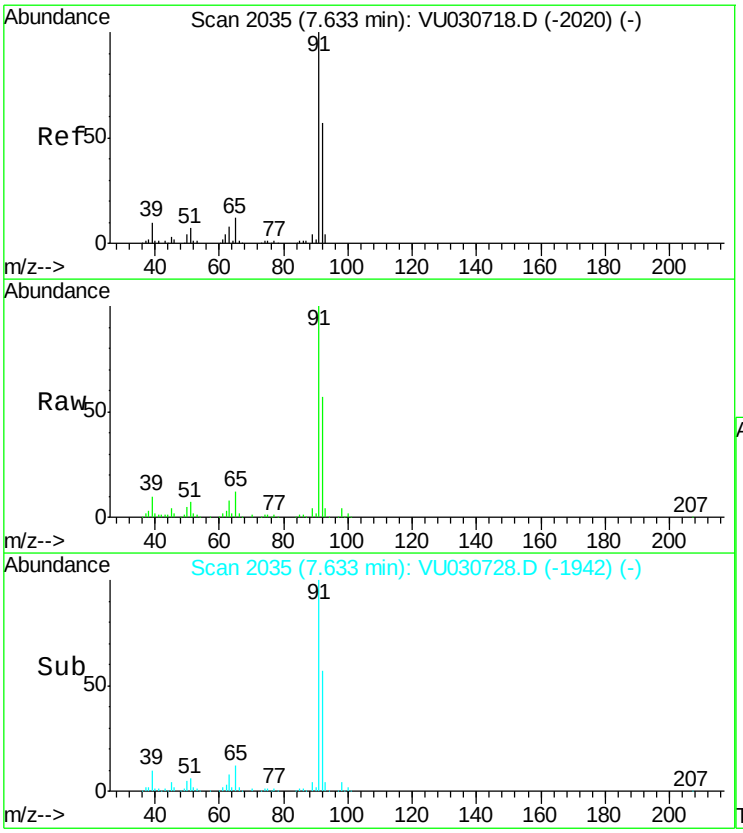
#35
Methylcyclohexane
Concen: 1.340 ug/L
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU030728.D
Acq: 05 Apr 2019 09:09

Instrument : MSVOA_U
ClientSampleId : E3YE2

Tgt Ion: 83 Resp: 7629

Ion	Ratio	Lower	Upper
83	100		
55	88.9	71.6	107.4
98	16.1	35.4	53.0#

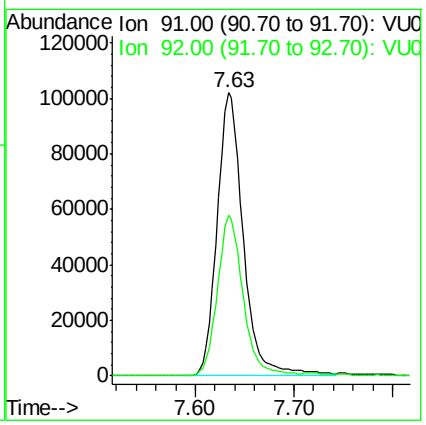


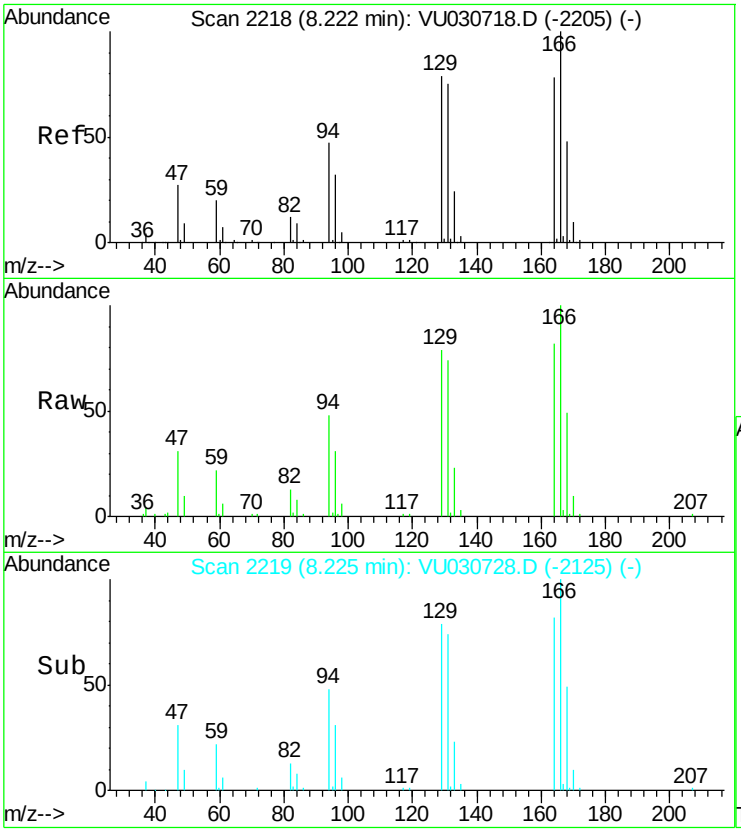


#42
Toluene
Concen: 12.394 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VU030728.D
Acq: 05 Apr 2019 09:09

Tgt Ion: 91 Resp: 190274

Ion	Ratio	Lower	Upper
91	100		
92	56.6	40.0	74.4



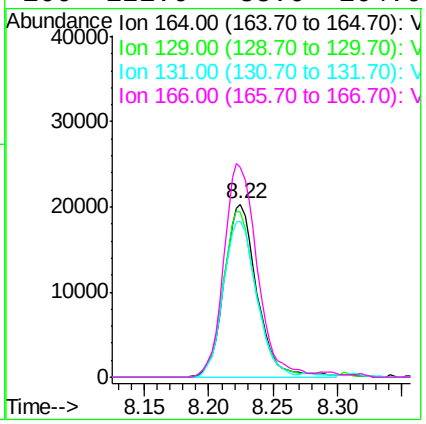


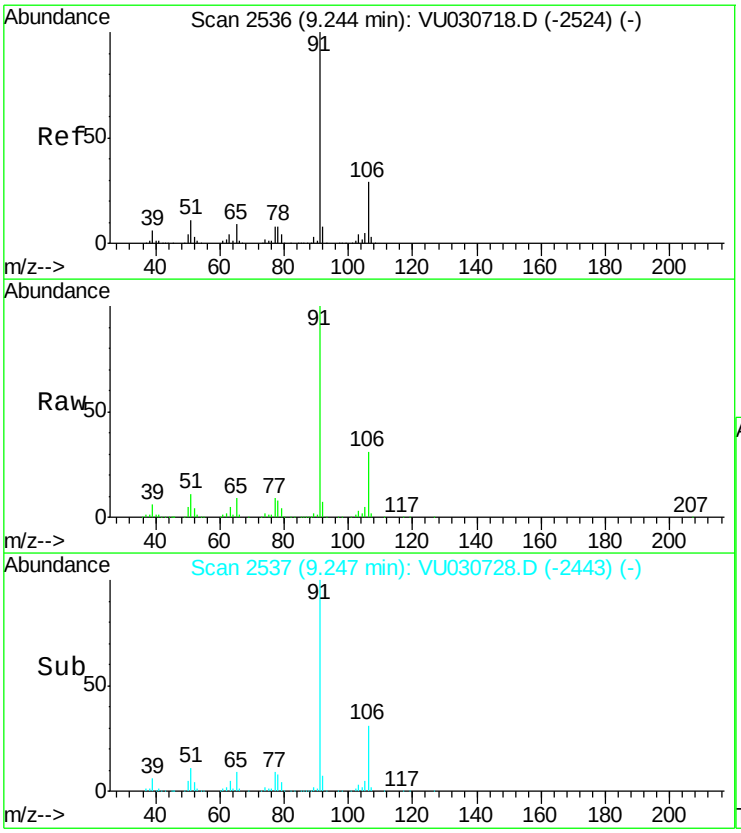
#46
Tetrachloroethene
Concen: 13.376 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU030728.D
Acq: 05 Apr 2019 09:09

Instrument : MSVOA_U
ClientSampleId : E3YE2

Tgt Ion:164 Resp: 35874

Ion	Ratio	Lower	Upper
164	100		
129	95.5	67.4	125.2
131	90.2	65.9	122.5
166	121.6	88.6	164.6

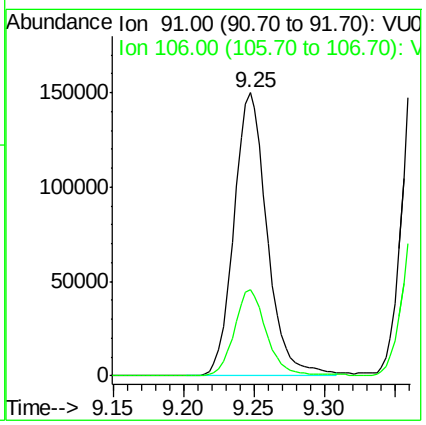


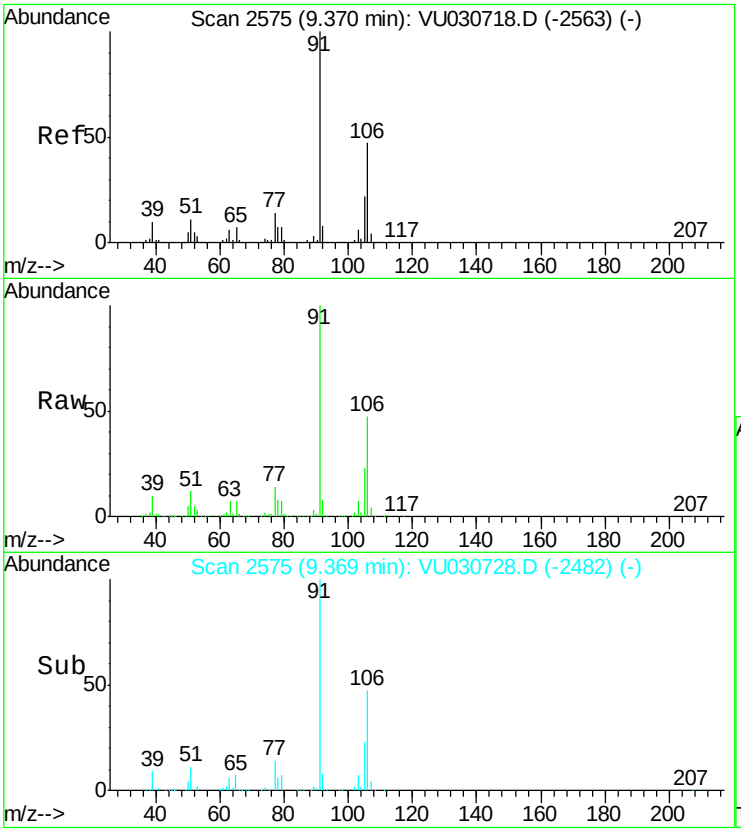


#52
Ethylbenzene
Concen: 14.781 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU030728.D
Acq: 05 Apr 2019 09:09

Tgt Ion: 91 Resp: 247349

Ion	Ratio	Lower	Upper
91	100		
106	30.5	20.4	37.8



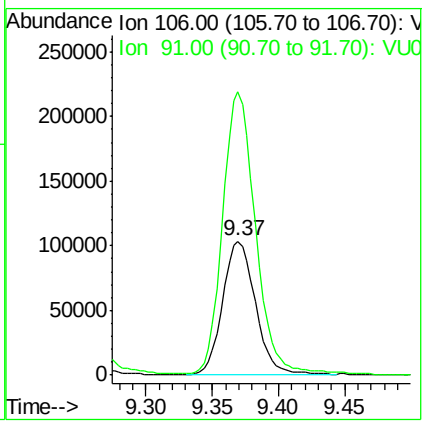


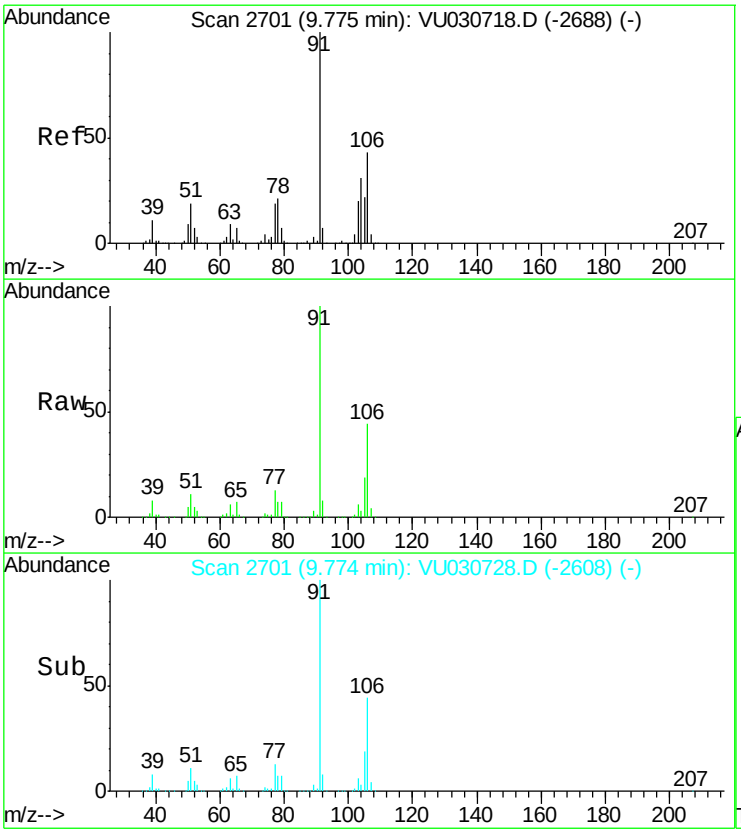
#53
m,p-Xylene
Concen: 30.341 ug/L
RT: 9.37 min Scan# 2575
Delta R.T. -0.00 min
Lab File: VU030728.D
Acq: 05 Apr 2019 09:09

Instrument : MSVOA_U
ClientSampleId : E3YE2

Tgt Ion:106 Resp: 177084

Ion	Ratio	Lower	Upper
106	100		
91	210.9	148.0	274.8

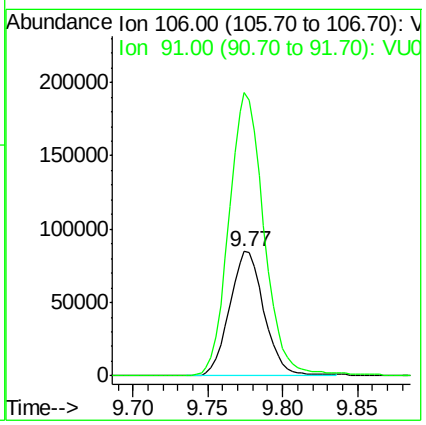


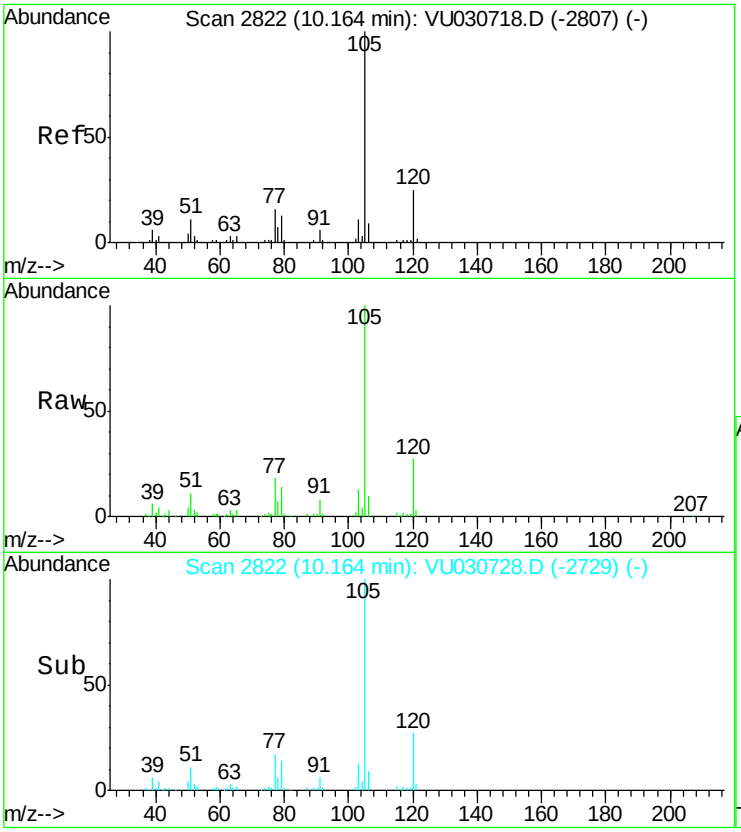


#54
o-xylene
Concen: 23.518 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU030728.D
Acq: 05 Apr 2019 09:09

Tgt Ion:106 Resp: 136533

Ion	Ratio	Lower	Upper
106	100		
91	228.0	156.7	290.9



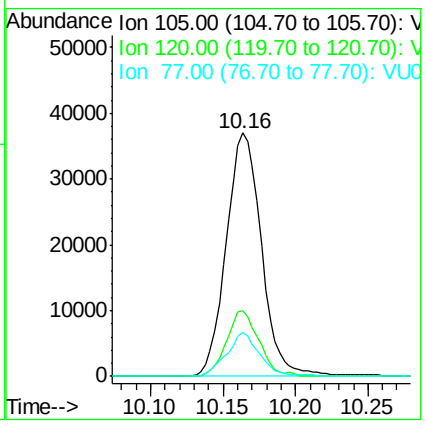


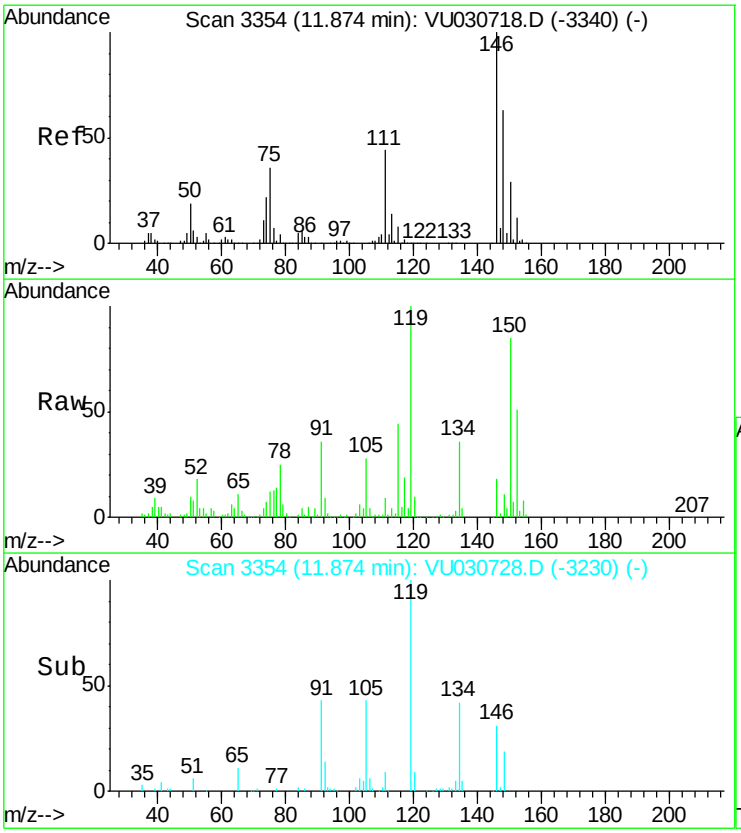
#56
Isopropylbenzene
Concen: 4.071 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. -0.00 min
Lab File: VU030728.D
Acq: 05 Apr 2019 09:09

Instrument :
MSVOA_U
ClientSampleId :
E3YE2

Tgt Ion:105 Resp: 62225

Ion	Ratio	Lower	Upper
105	100		
120	24.3	20.4	30.6
77	16.7	13.4	20.2





#65
1,2-Dichlorobenzene
Concen: 2.826 ug/L
RT: 11.87 min Scan# 3354
Delta R.T. -0.00 min
Lab File: VU030728.D
Acq: 05 Apr 2019 09:09

Tgt Ion:146 Resp: 19303

Ion	Ratio	Lower	Upper
146	100		
111	48.2	34.9	52.3
148	62.4	50.4	75.6