Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032619\
Data File : VU030462.D
Acq On : 26 Mar 2019 22:38
Operator : JC/SP
Sample : K2063-07MSD 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7MSD

Quant Time: Mar 27 07:58:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 06:00:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	448871	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	432827	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	192491	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	180110	49.86	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 99.72%			
7) Chloroethane-d5	1.66	69	142007	49.60	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.20%			
11) 1,1-Dichloroethene-d2	2.27	63	326243	47.61	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 95.22%			
21) 2-Butanone-d5	4.17	46	362151	106.64	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 106.64%			
24) Chloroform-d	4.64	84	306190	49.19	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.38%			
26) 1,2-Dichloroethane-d4	5.30	65	210738	51.74	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.48%			
32) Benzene-d6	5.34	84	630408	50.79	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.58%			
36) 1,2-Dichloropropane-d6	6.33	67	222677	52.43	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 104.86%			
41) Toluene-d8	7.56	98	551924	49.51	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.02%			
43) trans-1,3-Dichloropropene-	7.85	79	96171	48.16	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 96.32%			
47) 2-Hexanone-d5	8.31	63	244934	106.43	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 106.43%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	309359	50.91	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 101.82%			
64) 1,2-Dichlorobenzene-d4	11.86	152	197943	51.32	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.64%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.28	96	134562	41.899	ug/L	87
29) Cyclohexane	4.99	56	17087	2.609	ug/L	94
33) Benzene	5.38	78	1580245	107.253	ug/L	100
34) Trichloroethene	6.18	95	156320	43.158	ug/L	99
35) Methylcyclohexane	6.41	83	11784	1.977	ug/L	97
42) Toluene	7.63	91	3692064	241.449	ug/L	99
50) 1,2-Dibromoethane	8.59	107	11150	2.941	ug/L	99
51) Chlorobenzene	9.12	112	427193	46.096	ug/L	98
52) Ethylbenzene	9.24	91	402520	24.300	ug/L	98
53) m,p-Xylene	9.37	106	507912	84.920	ug/L	100
54) o-xylene	9.78	106	240712	41.247	ug/L	97
56) Isopropylbenzene	10.16	105	16481	1.067	ug/L	97

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

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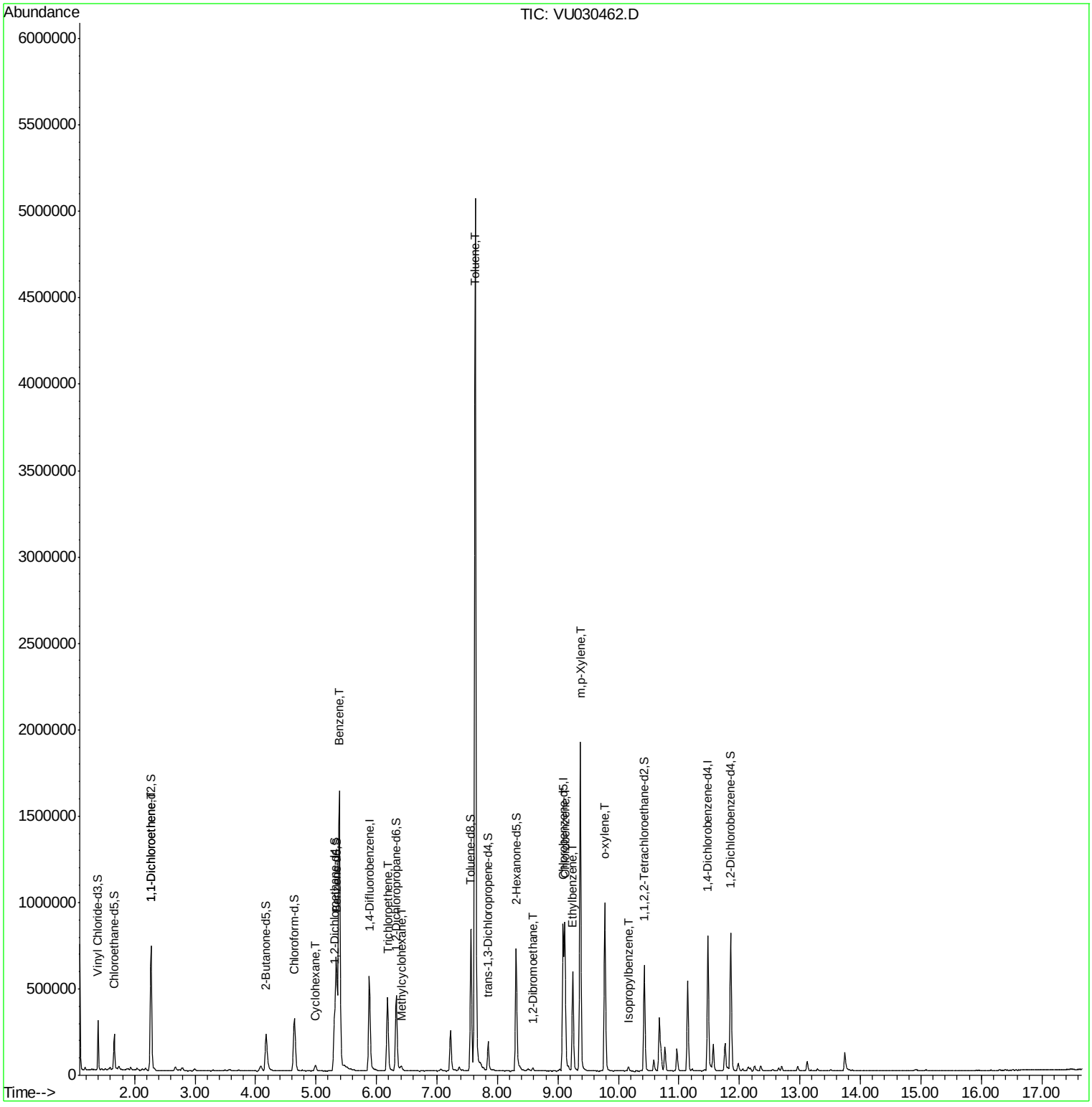
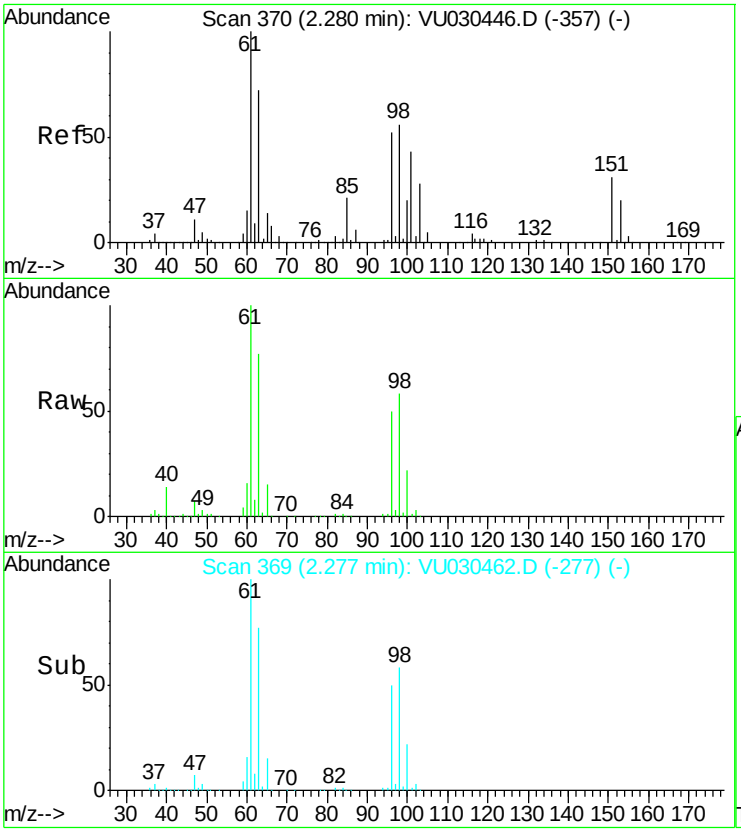


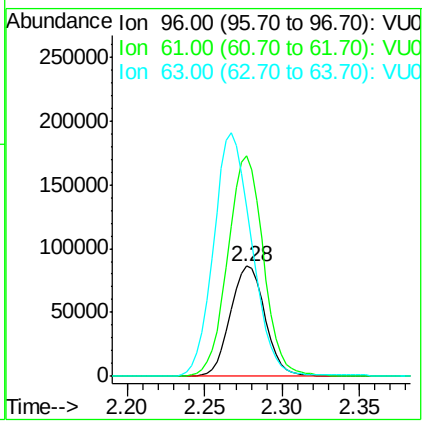


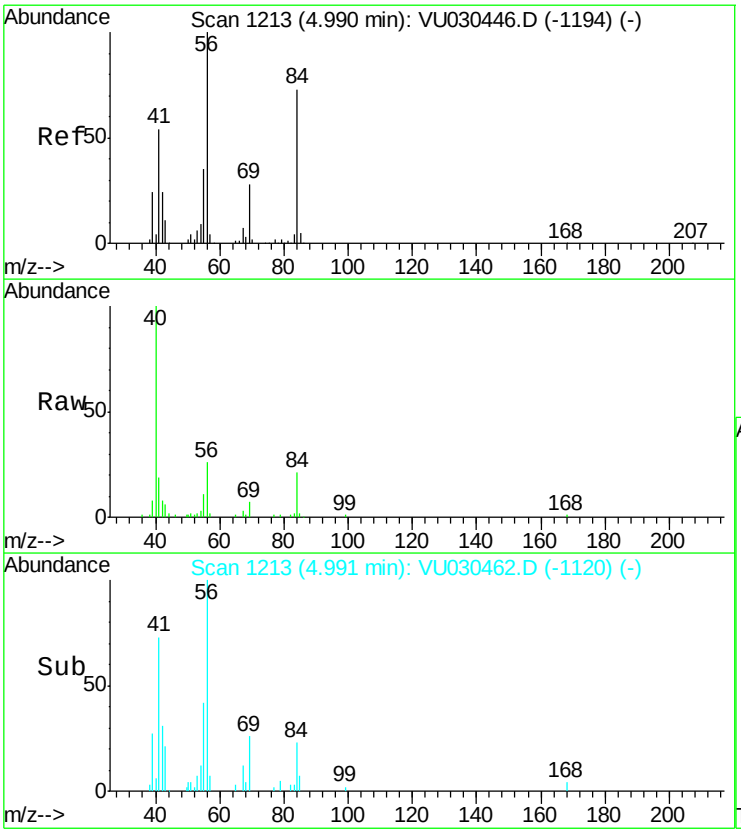
#12
1,1-Dichloroethene
Concen: 41.899 ug/L
RT: 2.28 min Scan# 369
Delta R.T. -0.00 min
Lab File: VU030462.D
Acq: 26 Mar 2019 22:38

Instrument :
MSVOA_U
ClientSampleId :
DB6R7MSD

Tgt Ion: 96 Resp: 134562

Ion	Ratio	Lower	Upper
96	100		
61	199.9	131.0	243.4
63	153.3	92.4	171.6

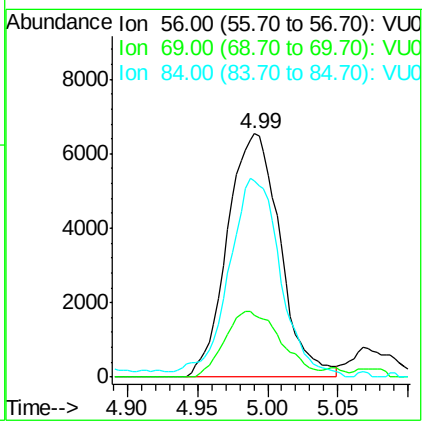


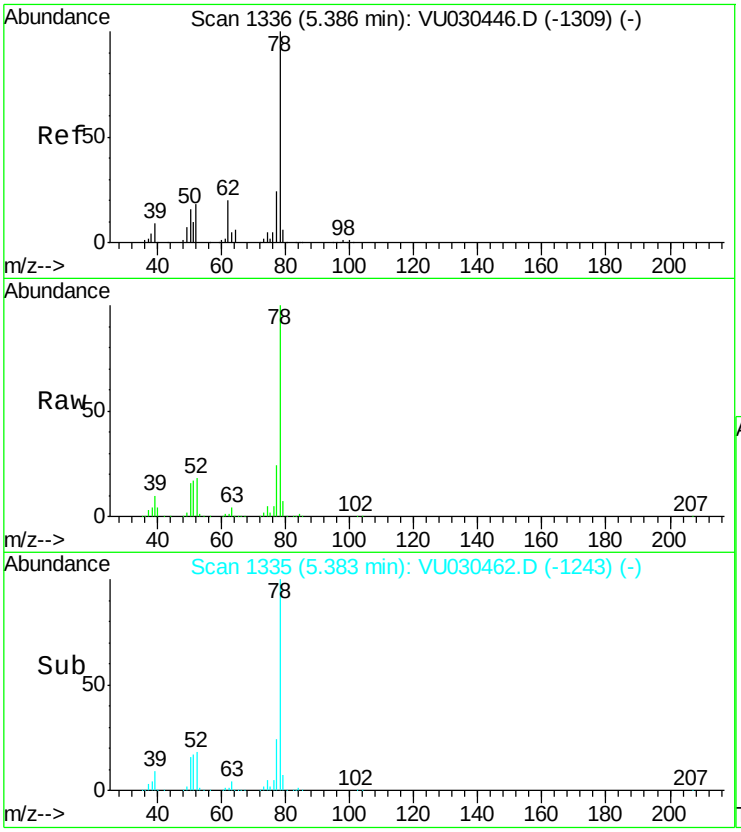


#29
Cyclohexane
Concen: 2.609 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU030462.D
Acq: 26 Mar 2019 22:38

Tgt Ion: 56 Resp: 17087

Ion	Ratio	Lower	Upper
56	100		
69	28.7	22.9	34.3
84	80.4	58.9	88.3

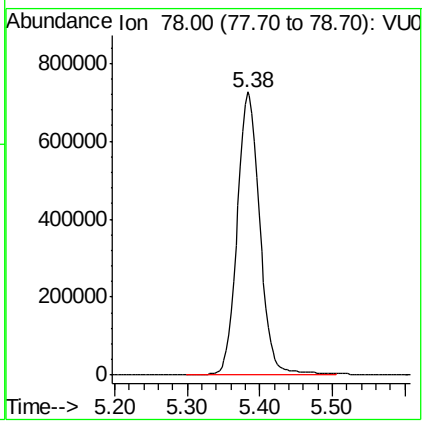


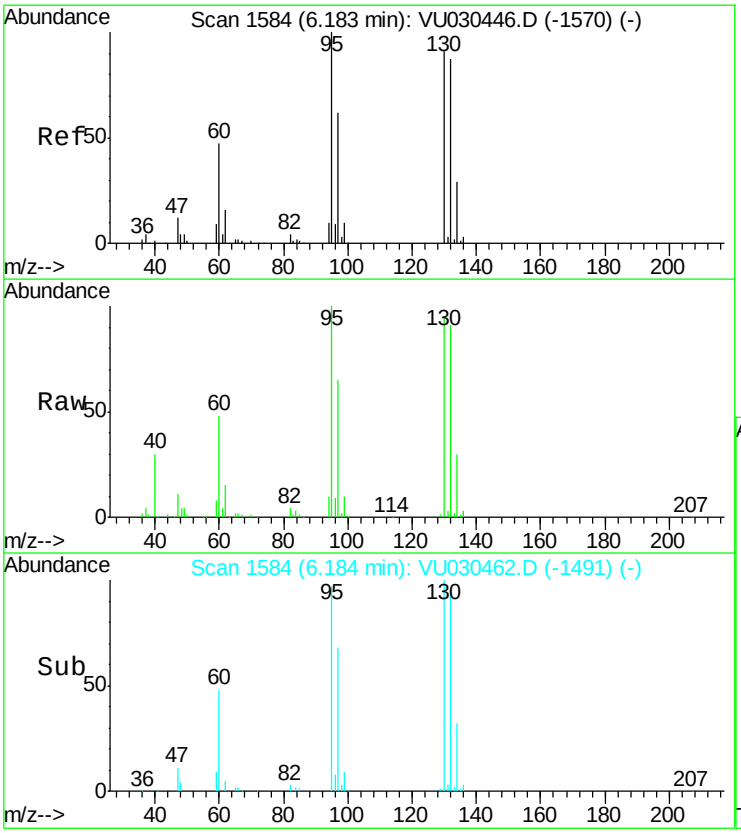


#33
Benzene
Concen: 107.253 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU030462.D
Acq: 26 Mar 2019 22:38

Instrument :
MSVOA_U
ClientSampleId :
DB6R7MSD

Tgt Ion: 78 Resp: 1580245

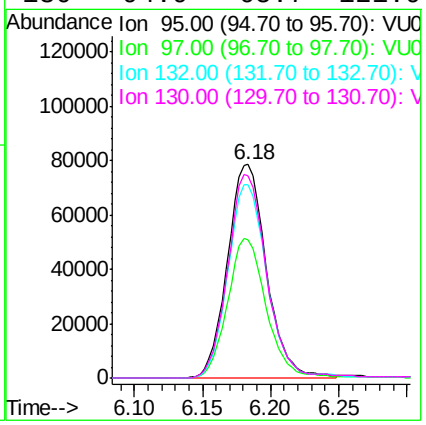


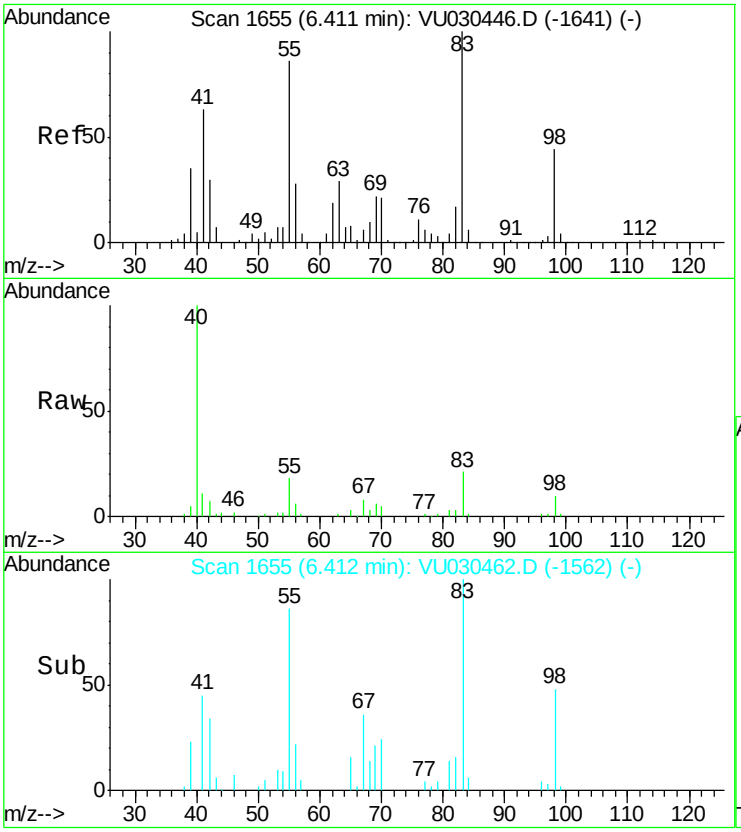


#34
Trichloroethene
Concen: 43.158 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU030462.D
Acq: 26 Mar 2019 22:38

Tgt Ion: 95 Resp: 156320

Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.7	84.9
132	90.5	63.8	118.4
130	94.9	65.7	121.9



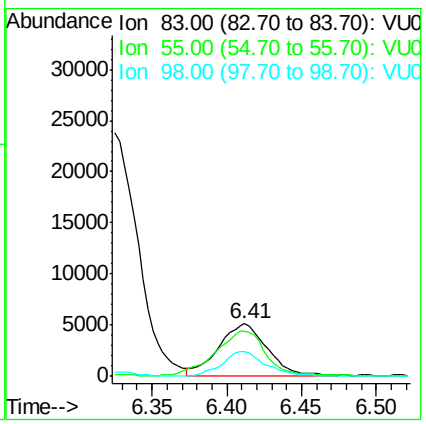


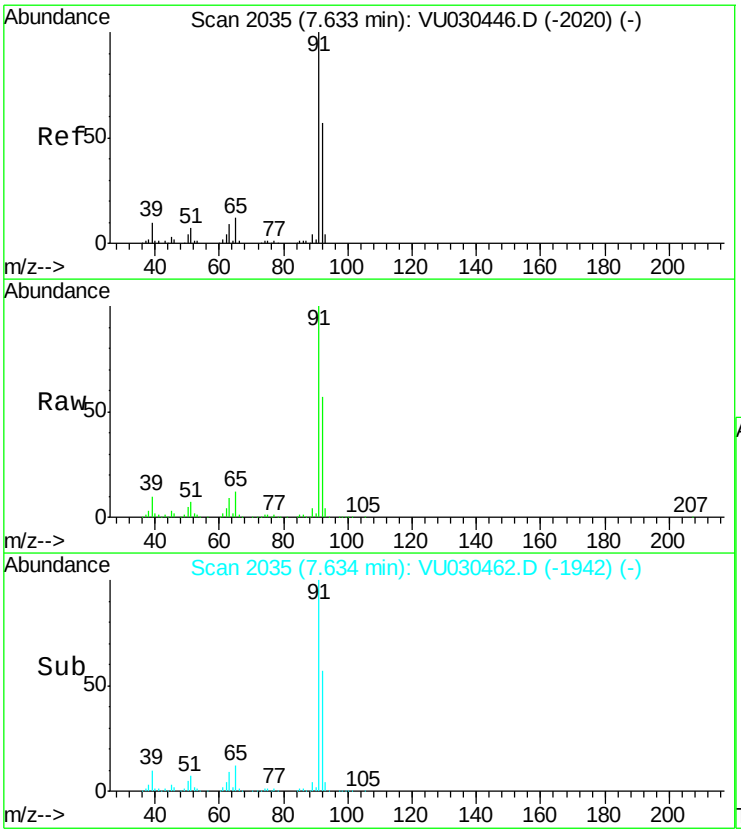
#35
Methylcyclohexane
Concen: 1.977 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU030462.D
Acq: 26 Mar 2019 22:38

Instrument :
MSVOA_U
ClientSampleId :
DB6R7MSD

Tgt Ion: 83 Resp: 11784

Ion	Ratio	Lower	Upper
83	100		
55	87.9	71.4	107.0
98	41.2	36.0	54.0

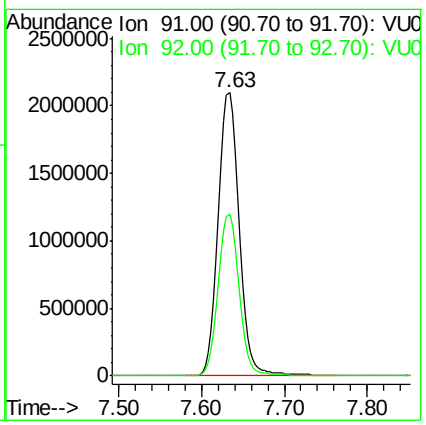


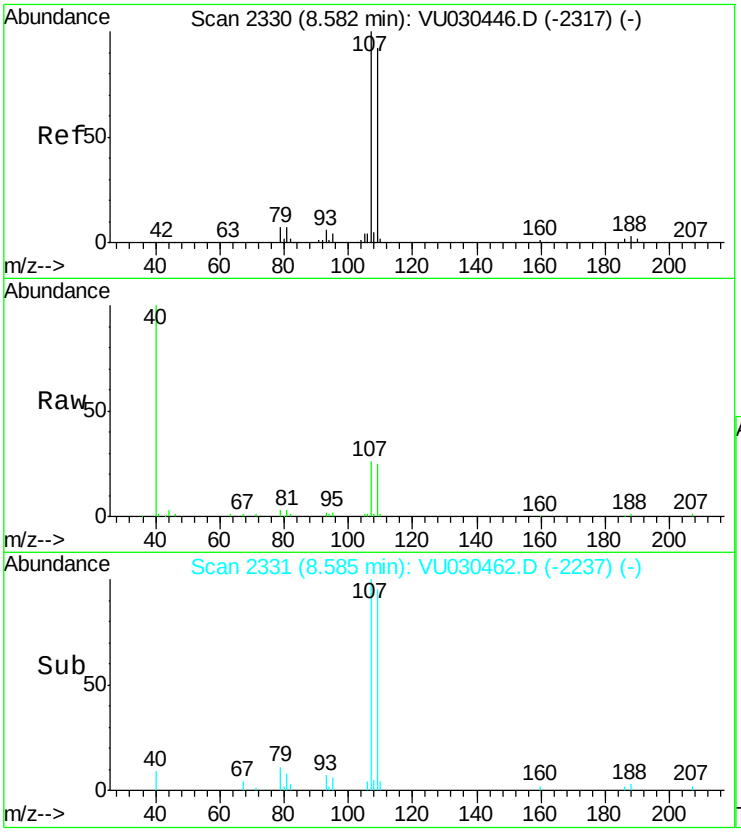


#42
Toluene
Concen: 241.449 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. 0.00 min
Lab File: VU030462.D
Acq: 26 Mar 2019 22:38

Tgt Ion: 91 Resp: 3692064

Ion	Ratio	Lower	Upper
91	100		
92	57.1	39.7	73.7



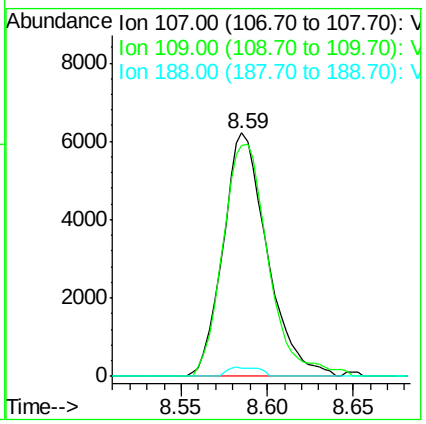


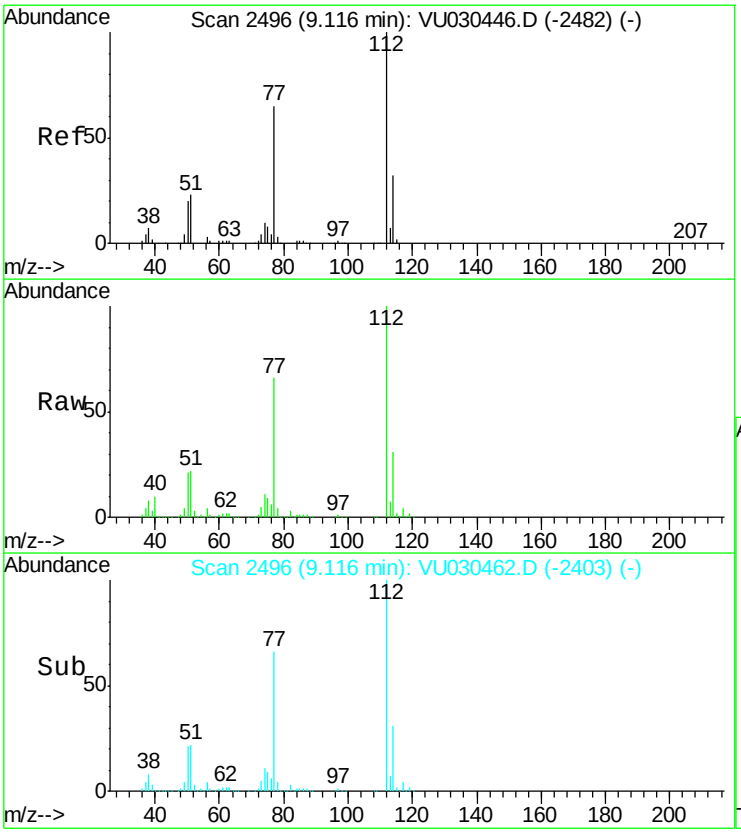
#50
1,2-Dibromoethane
Concen: 2.941 ug/L
RT: 8.59 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU030462.D
Acq: 26 Mar 2019 22:38

Instrument :
MSVOA_U
ClientSampleId :
DB6R7MSD

Tgt Ion:107 Resp: 11150

Ion	Ratio	Lower	Upper
107	100		
109	95.0	65.8	122.2
188	3.5	2.6	4.0

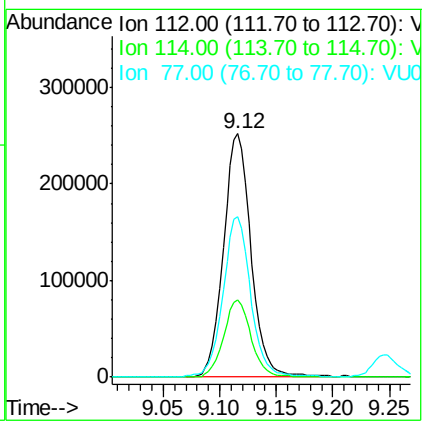


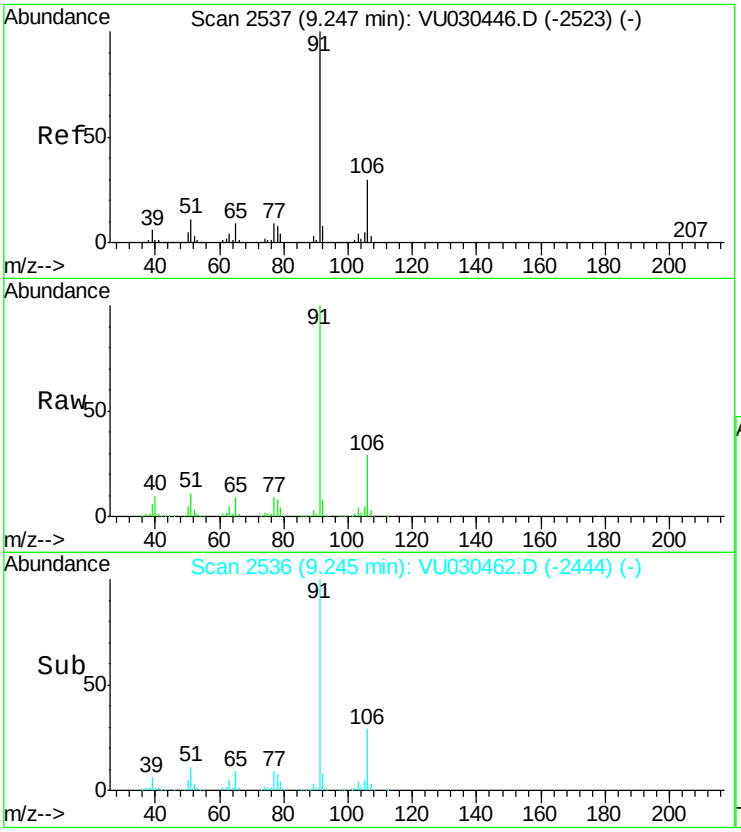


#51
Chlorobenzene
Concen: 46.096 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030462.D
Acq: 26 Mar 2019 22:38

Tgt Ion:112 Resp: 427193

Ion	Ratio	Lower	Upper
112	100		
114	31.5	21.5	39.9
77	66.0	51.4	77.0



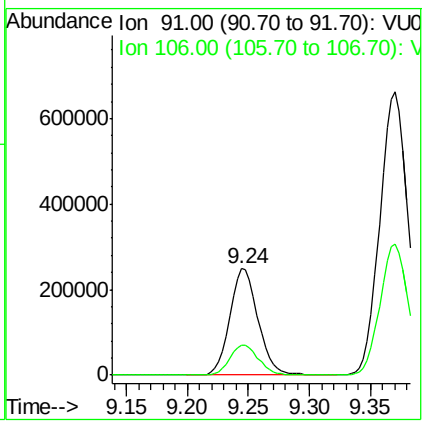


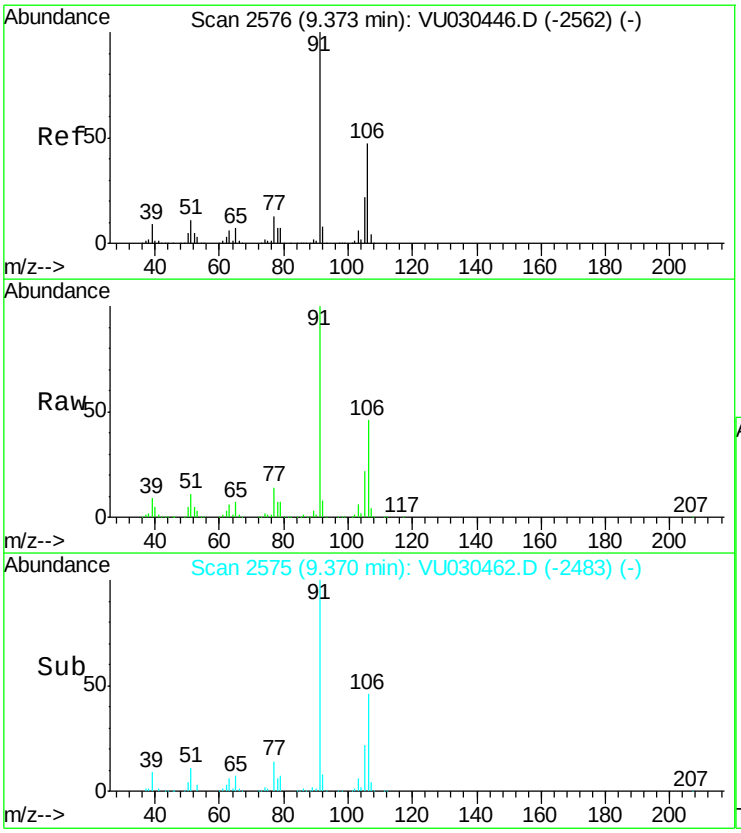
#52
Ethylbenzene
Concen: 24.300 ug/L
RT: 9.24 min Scan# 2536
Delta R.T. -0.00 min
Lab File: VU030462.D
Acq: 26 Mar 2019 22:38

Instrument : MSVOA_U
ClientSampleId : DB6R7MSD

Tgt Ion: 91 Resp: 402520

Ion	Ratio	Lower	Upper
91	100		
106	28.6	20.6	38.2

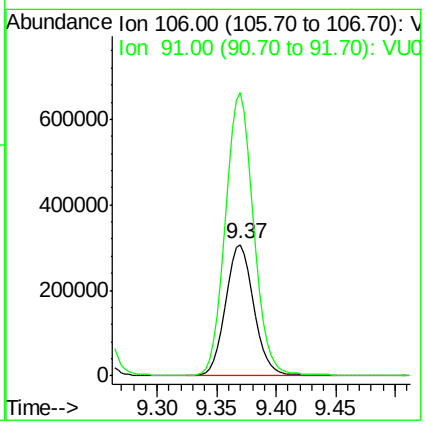


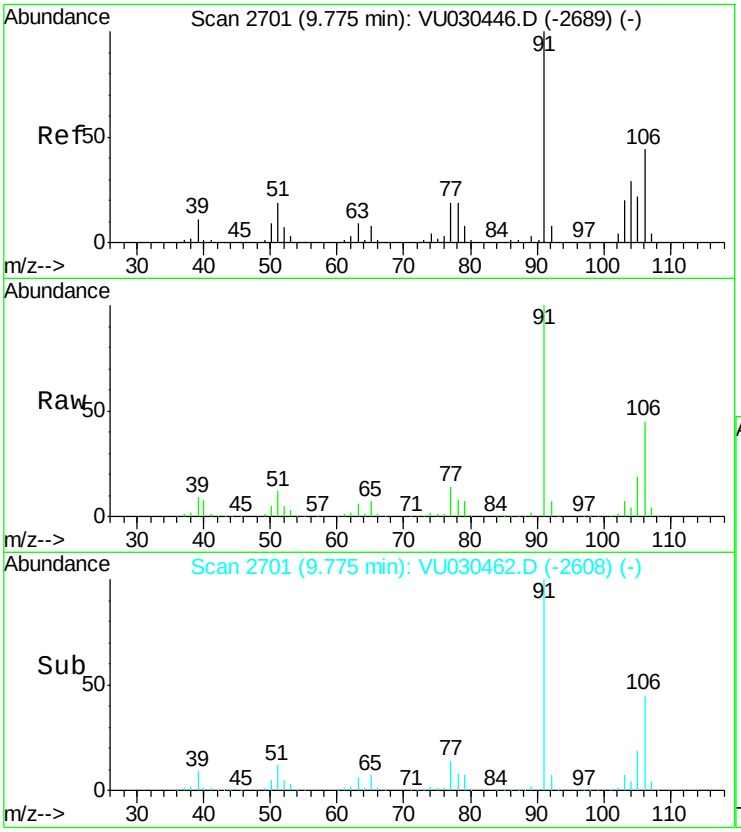


#53
m,p-Xylene
Concen: 84.920 ug/L
RT: 9.37 min Scan# 2575
Delta R.T. -0.00 min
Lab File: VU030462.D
Acq: 26 Mar 2019 22:38

Tgt Ion:106 Resp: 507912

Ion	Ratio	Lower	Upper
106	100		
91	215.3	151.2	280.8



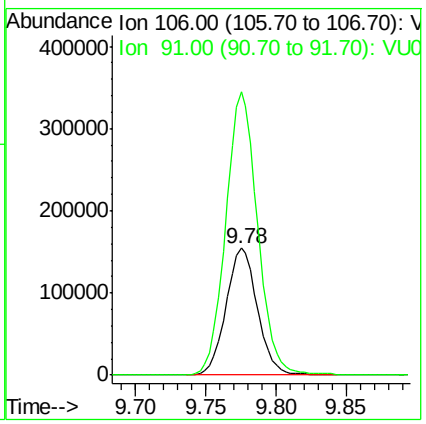


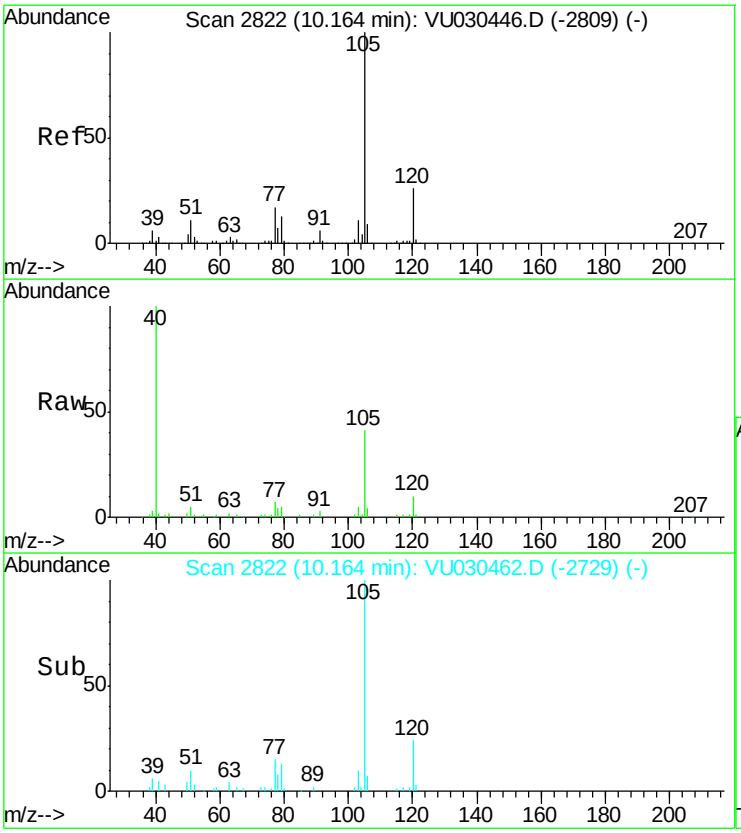
#54
o-xylene
Concen: 41.247 ug/L
RT: 9.78 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU030462.D
Acq: 26 Mar 2019 22:38

Instrument :
MSVOA_U
ClientSampleId :
DB6R7MSD

Tgt Ion:106 Resp: 240712

Ion	Ratio	Lower	Upper
106	100		
91	222.9	159.6	296.4





#56
Isopropylbenzene
Concen: 1.067 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU030462.D
Acq: 26 Mar 2019 22:38

Tgt Ion:105 Resp: 16481

Ion	Ratio	Lower	Upper
105	100		
120	23.4	20.2	30.2
77	17.3	13.2	19.8