Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032619\

Quantitation Report (Not Reviewed)

Data File : VU030464.D
Acq On : 26 Mar 2019 23:25
Operator : JC/SP
Sample : K2063-09 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R9

Quant Time: Mar 27 06:07:23 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	451709	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	431327	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	191738	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	178900	49.21	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 98.42%			
7) Chloroethane-d5	1.66	69	142205	49.35	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.70%			
11) 1,1-Dichloroethene-d2	2.27	63	250681	36.35	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 72.70%			
21) 2-Butanone-d5	4.17	46	369531	108.13	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 108.13%			
24) Chloroform-d	4.64	84	305310	48.74	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.48%			
26) 1,2-Dichloroethane-d4	5.31	65	211498	51.60	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.20%			
32) Benzene-d6	5.34	84	628761	50.83	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.66%			
36) 1,2-Dichloropropane-d6	6.32	67	226594	53.54	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 107.08%			
41) Toluene-d8	7.56	98	543480	48.92	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.84%			
43) trans-1,3-Dichloropropene-	7.85	79	94513	47.49	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 94.98%			
47) 2-Hexanone-d5	8.31	63	238752	104.11	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 104.11%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	311875	51.50	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 103.00%			
64) 1,2-Dichlorobenzene-d4	11.85	152	195451	50.87	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.74%			
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2196	0.666	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	1795	0.555	ug/L #	1
27) 1,2-Dichloroethane	5.39	62	5529	1.065	ug/L #	75
29) Cyclohexane	4.99	56	15895	2.435	ug/L	99
33) Benzene	5.38	78	565029	38.482	ug/L	100
35) Methylcyclohexane	6.41	83	9027	1.520	ug/L	95
42) Toluene	7.63	91	2288703	150.195	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	3912	0.742	ug/L	94
50) 1,2-Dibromoethane	8.59	107	3896	1.031	ug/L #	91
51) Chlorobenzene	9.12	112	5009	0.542	ug/L	95
52) Ethylbenzene	9.25	91	344706	20.882	ug/L	100
53) m,p-Xylene	9.37	106	423097	70.986	ug/L	100
54) o-xylene	9.77	106	196972	33.869	ug/L	100
55) Styrene	9.78	104	27428	2.738	ug/L #	1
56) Isopropylbenzene	10.16	105	13253	0.861	ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	26078	5.142	ug/L	94
63) 1,4-Dichlorobenzene	11.50	146	3432	0.532	ug/L	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032619\

Quantitation Report (Not Reviewed)

Data File : VU030464.D
Acq On : 26 Mar 2019 23:25
Operator : JC/SP
Sample : K2063-09 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R9

Quant Time: Mar 27 06:07:23 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)
69) Naphthalene	13.75	128	75228	5.187	ug/L	99

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

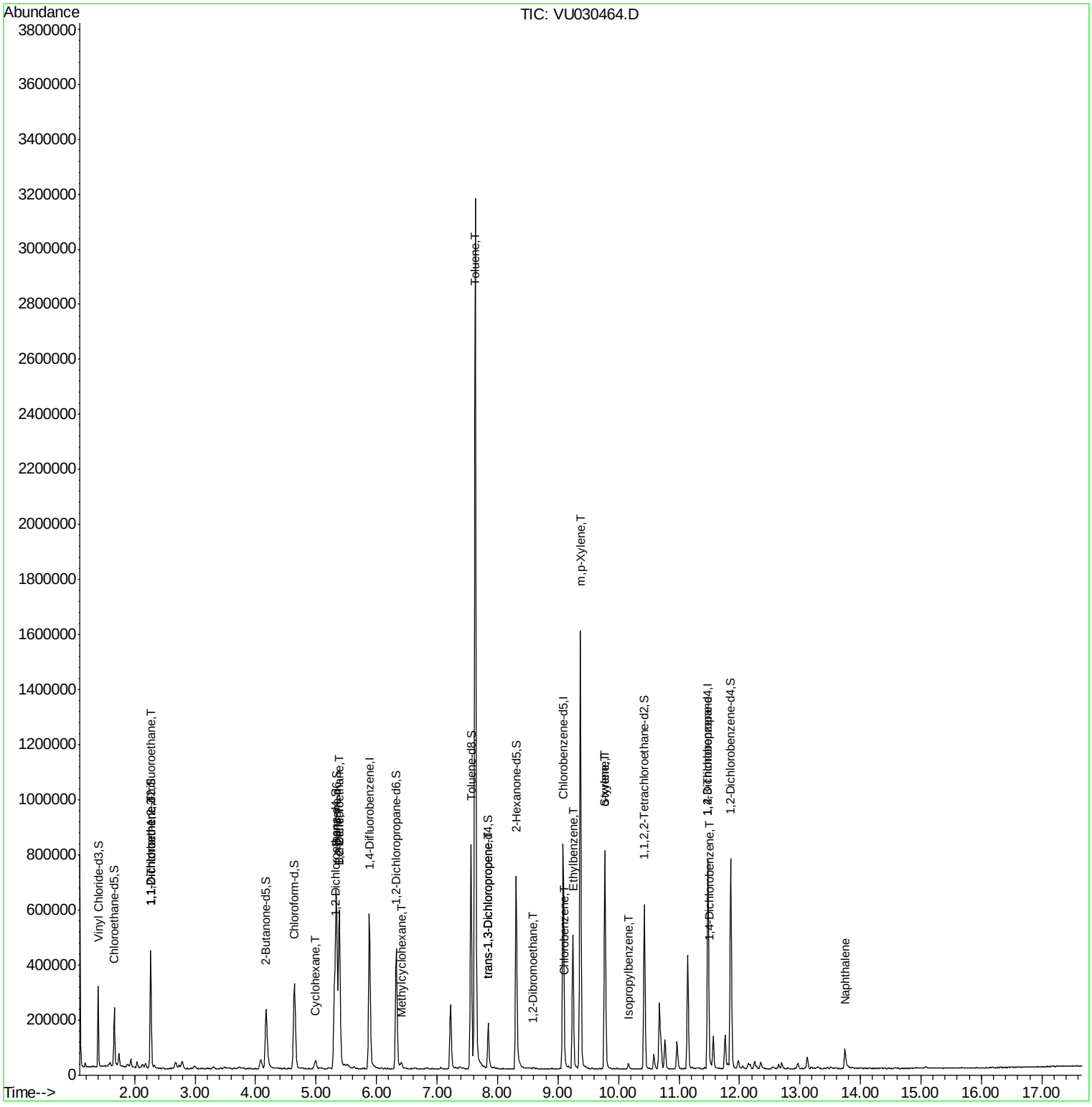
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032619\

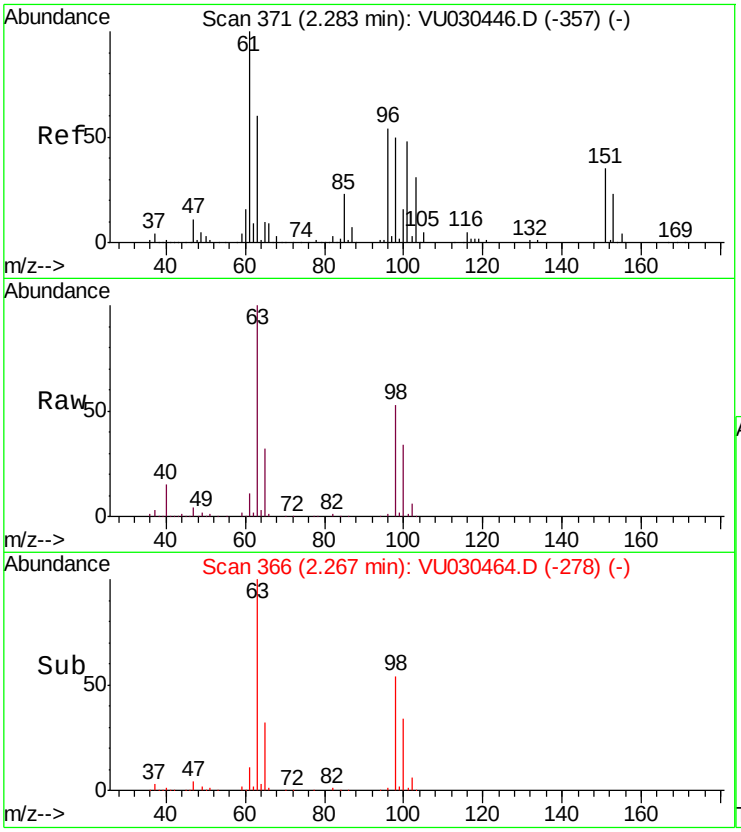
Quantitation Report (Not Reviewed)

Data File : VU030464.D
Acq On : 26 Mar 2019 23:25
Operator : JC/SP
Sample : K2063-09 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB6R9

Quant Time: Mar 27 06:07:23 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



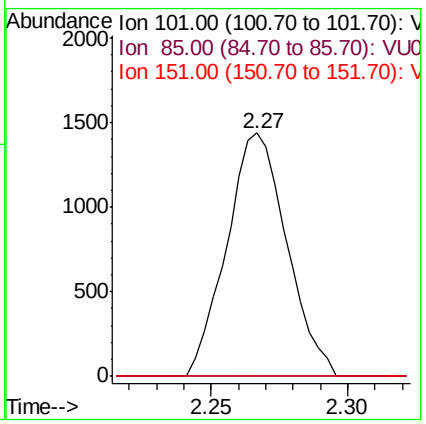


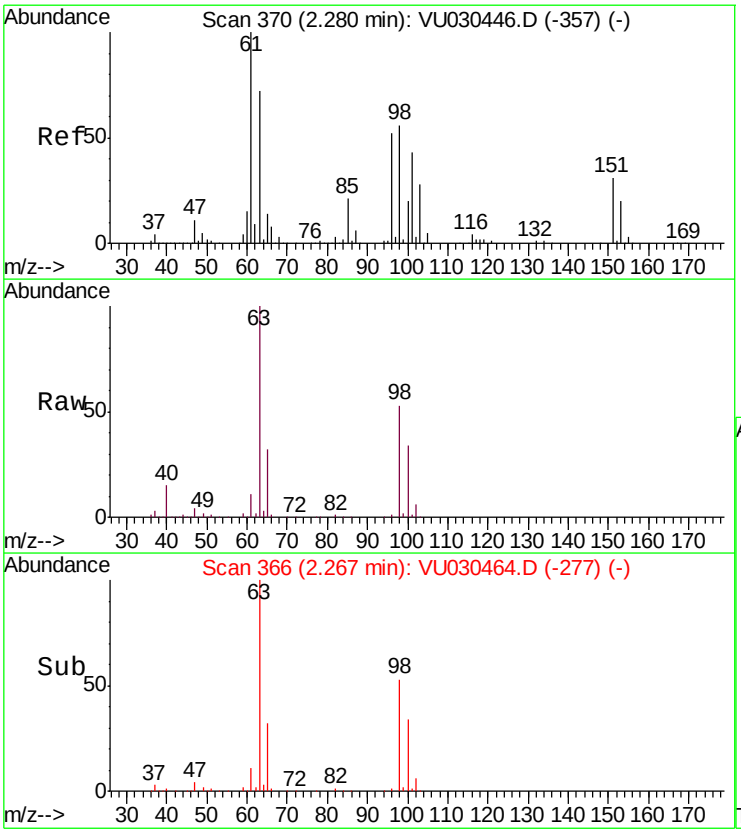
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.666 ug/L
RT: 2.27 min Scan# 366
Delta R.T. -0.02 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

Instrument : MSVOA_U
ClientSampleId : DB6R9

Tgt Ion:101 Resp: 2196

Ion	Ratio	Lower	Upper
101	100		
85	0.0	34.8	52.2#
151	0.0	56.6	85.0#

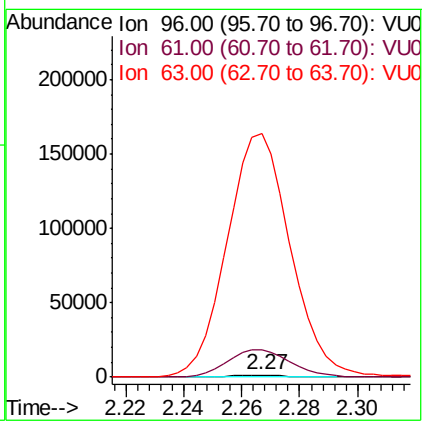


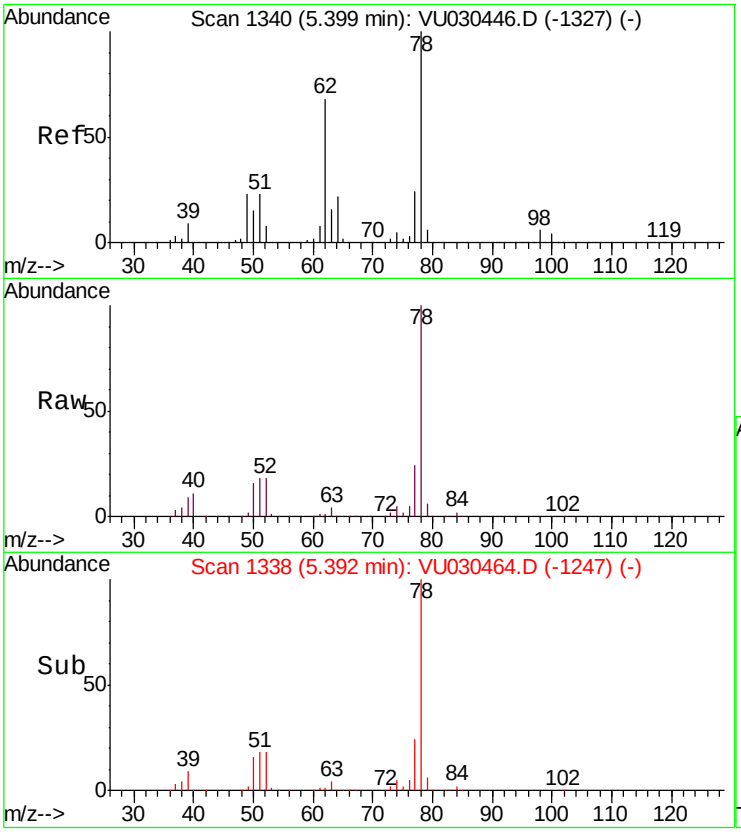


#12
1,1-Dichloroethene
Concen: 0.555 ug/L
RT: 2.27 min Scan# 366
Delta R.T. -0.01 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

Tgt Ion: 96 Resp: 1795

Ion	Ratio	Lower	Upper
96	100		
61	1624.6	131.0	243.4#
63	14416.9	92.4	171.6#



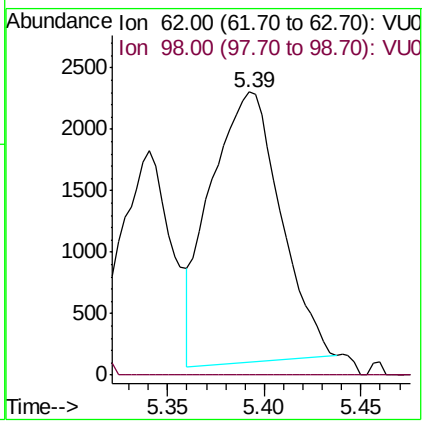


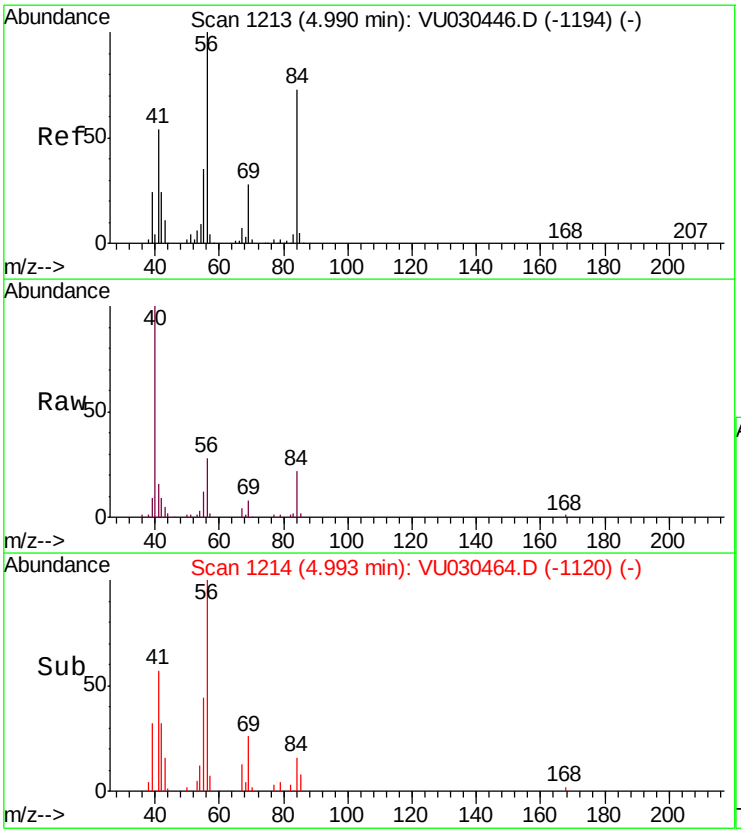
#27
1,2-Dichloroethane
Concen: 1.065 ug/L
RT: 5.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

Instrument : MSVOA_U
ClientSampleId : DB6R9

Tgt Ion: 62 Resp: 5529

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.2	10.8#

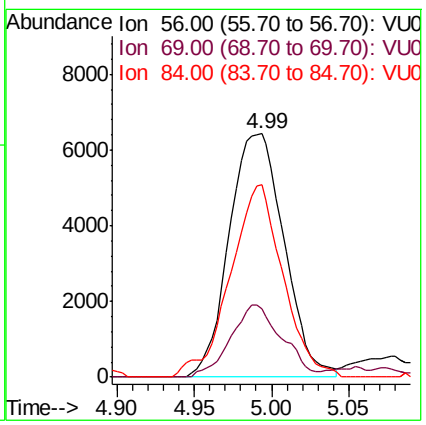


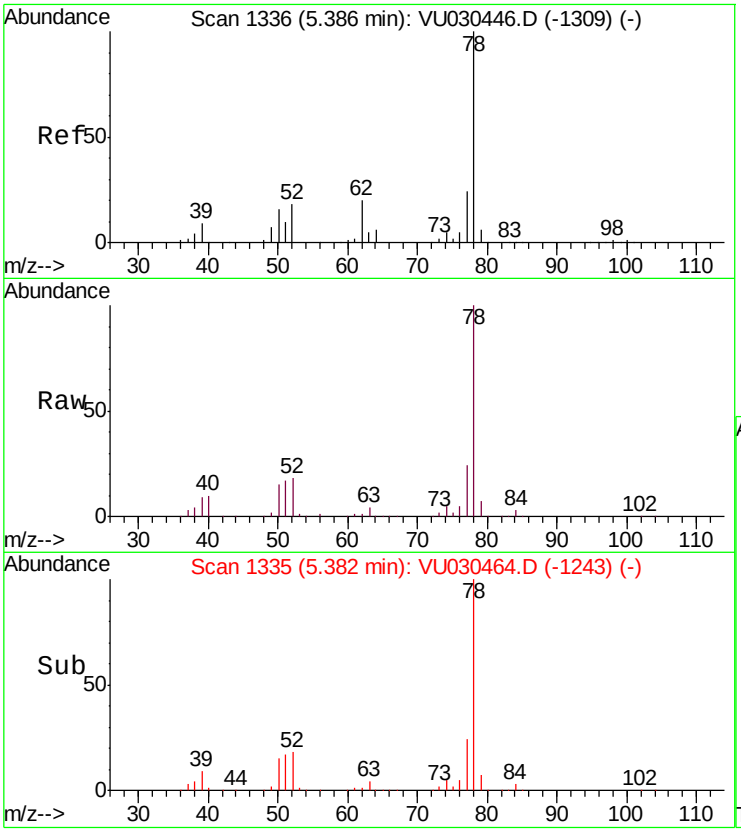


#29
Cyclohexane
Concen: 2.435 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

Tgt Ion: 56 Resp: 15895

Ion	Ratio	Lower	Upper
56	100		
69	27.5	22.9	34.3
84	73.2	58.9	88.3

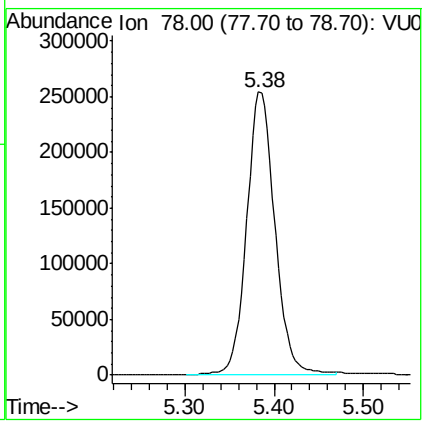


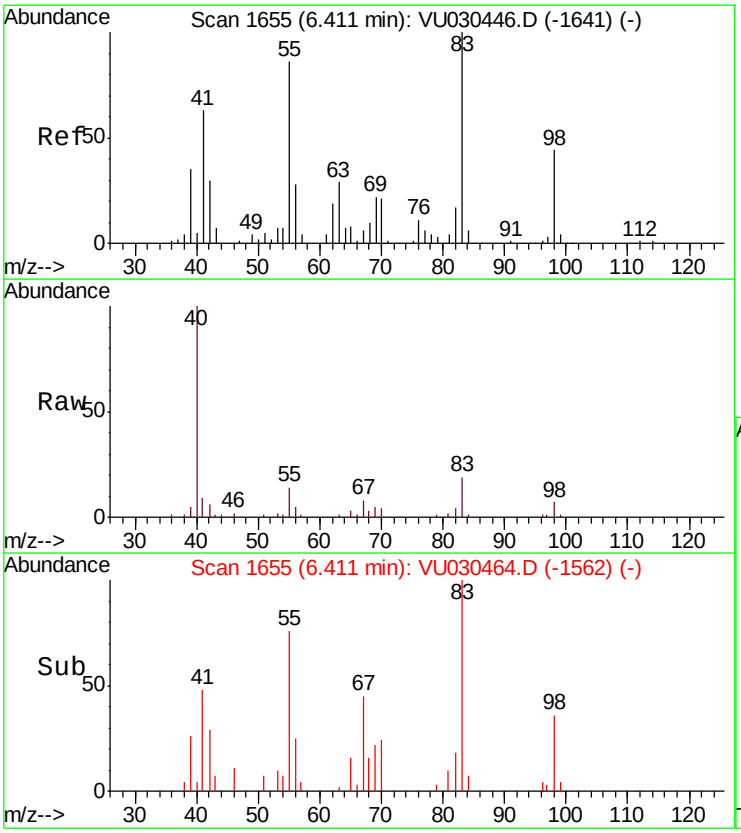


#33
Benzene
Concen: 38.482 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

Instrument :
MSVOA_U
ClientSampleId :
DB6R9

Tgt Ion: 78 Resp: 565029

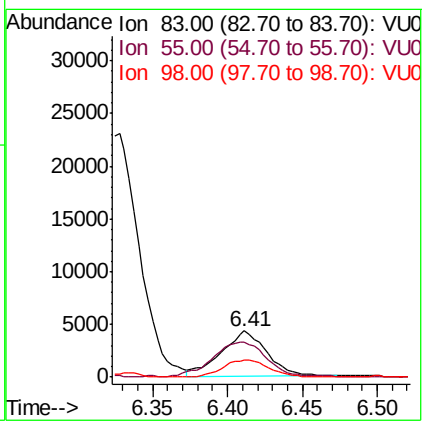


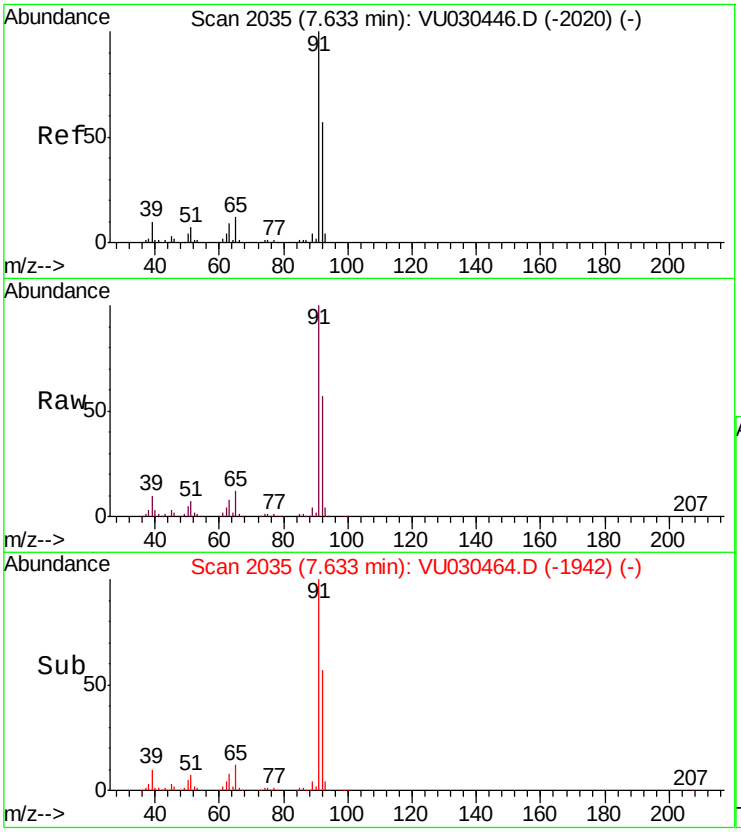


#35
Methylcyclohexane
Concen: 1.520 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. -0.00 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

Tgt Ion: 83 Resp: 9027

Ion	Ratio	Lower	Upper
83	100		
55	91.6	71.4	107.0
98	38.6	36.0	54.0



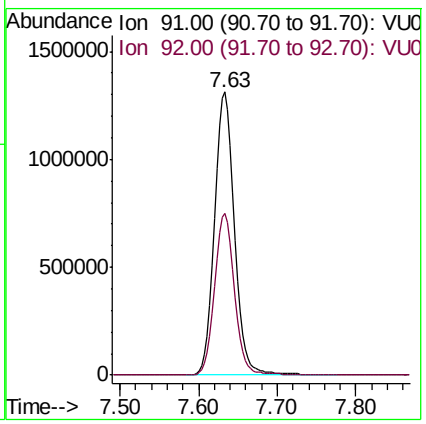


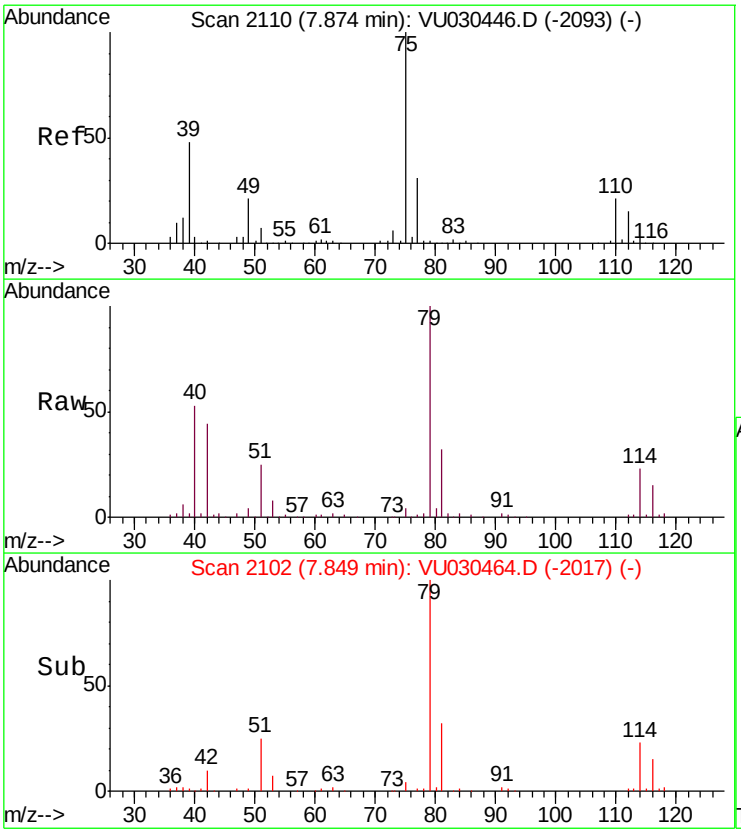
#42
Toluene
Concen: 150.195 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

Instrument : MSVOA_U
ClientSampleId : DB6R9

Tgt Ion: 91 Resp: 2288703

Ion	Ratio	Lower	Upper
91	100		
92	57.4	39.7	73.7

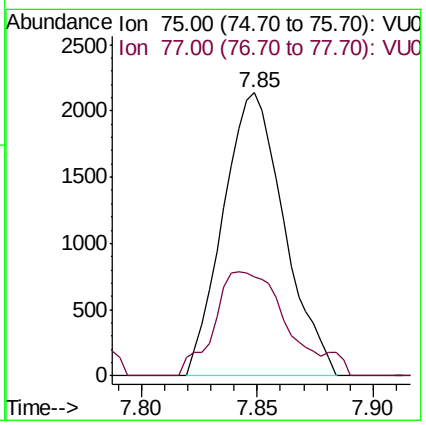


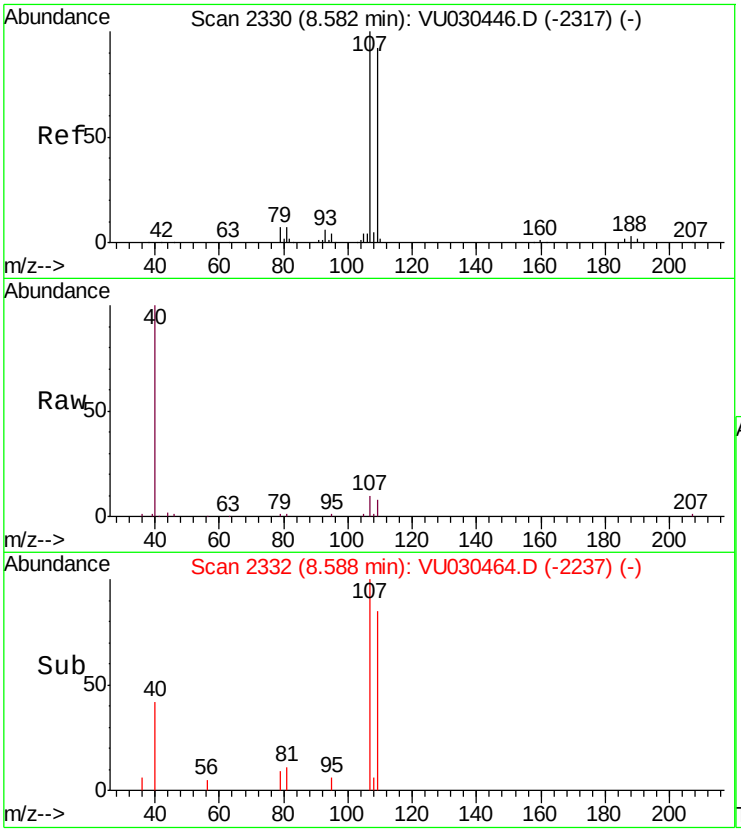


#44
trans-1,3-Dichloropropene
Concen: 0.742 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

Tgt Ion: 75 Resp: 3912

Ion	Ratio	Lower	Upper
75	100		
77	34.9	22.0	40.8



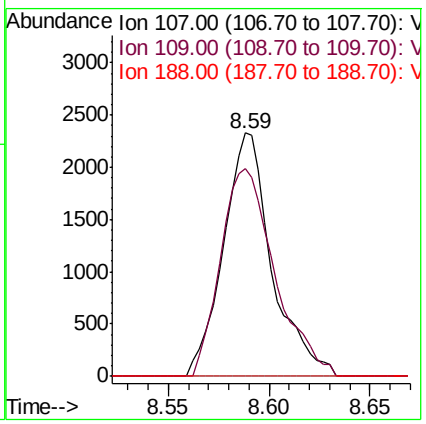


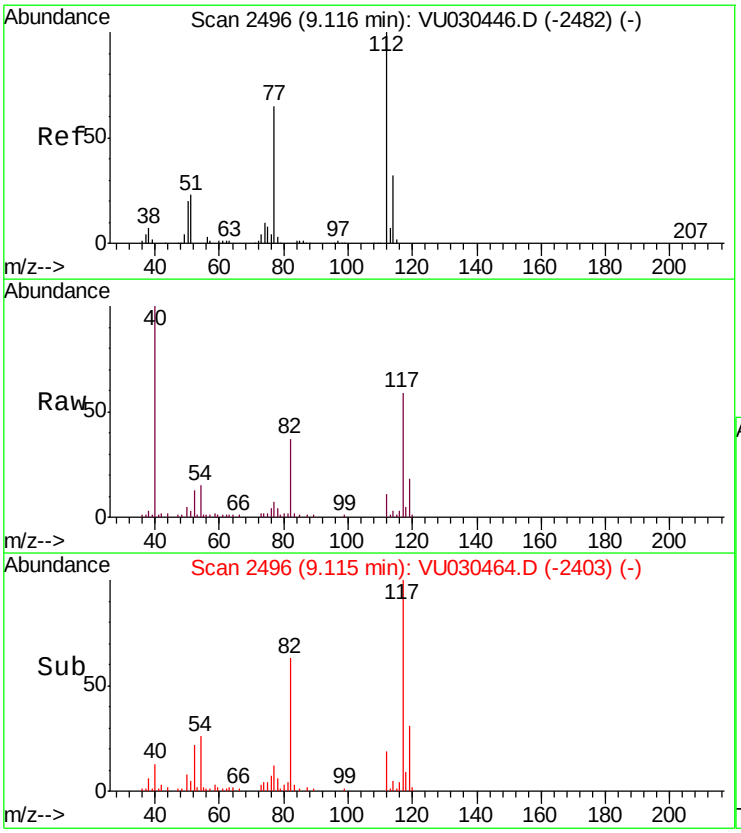
#50
1,2-Dibromoethane
Concen: 1.031 ug/L
RT: 8.59 min Scan# 2332
Delta R.T. 0.01 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

Instrument : MSVOA_U
ClientSampleId : DB6R9

Tgt Ion:107 Resp: 3896

Ion	Ratio	Lower	Upper
107	100		
109	85.1	65.8	122.2
188	0.0	2.6	4.0#

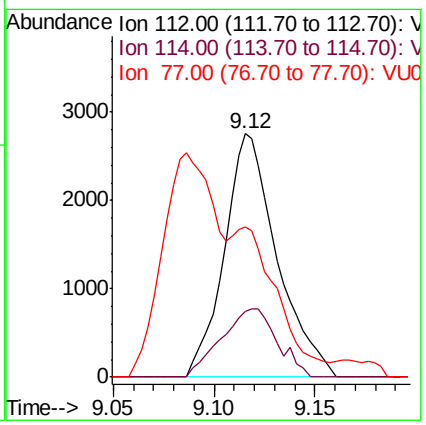


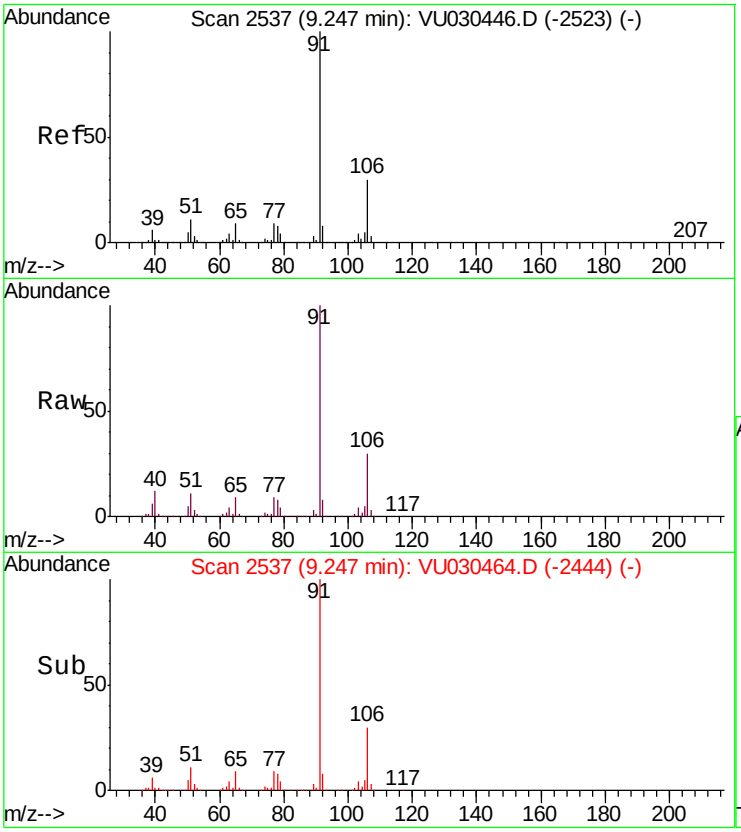


#51
Chlorobenzene
Concen: 0.542 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

Tgt Ion:112 Resp: 5009

Ion	Ratio	Lower	Upper
112	100		
114	27.0	21.5	39.9
77	61.5	51.4	77.0



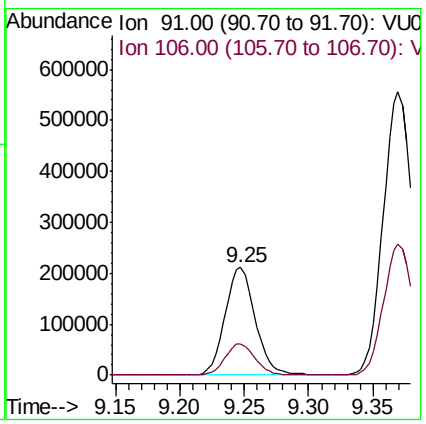


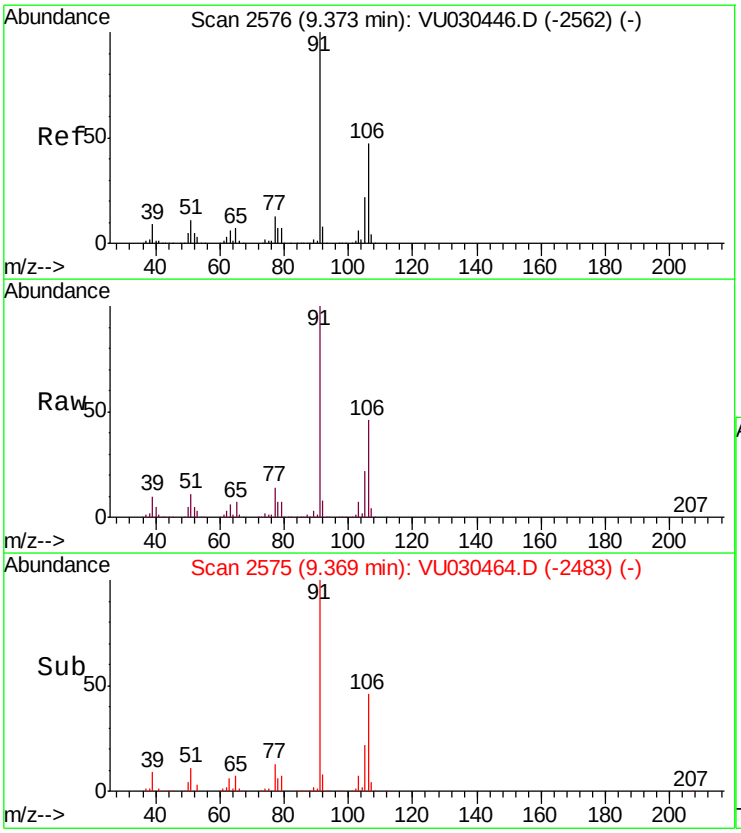
#52
Ethylbenzene
Concen: 20.882 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

Instrument :
MSVOA_U
ClientSampleId :
DB6R9

Tgt Ion: 91 Resp: 344706

Ion	Ratio	Lower	Upper
91	100		
106	29.6	20.6	38.2

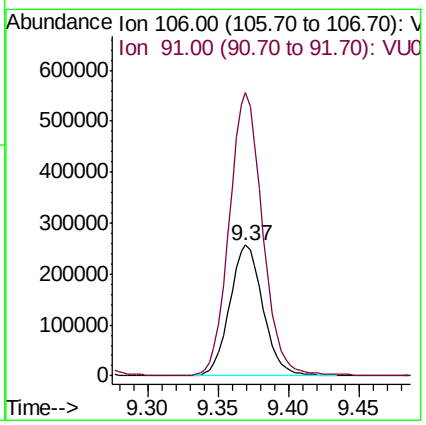


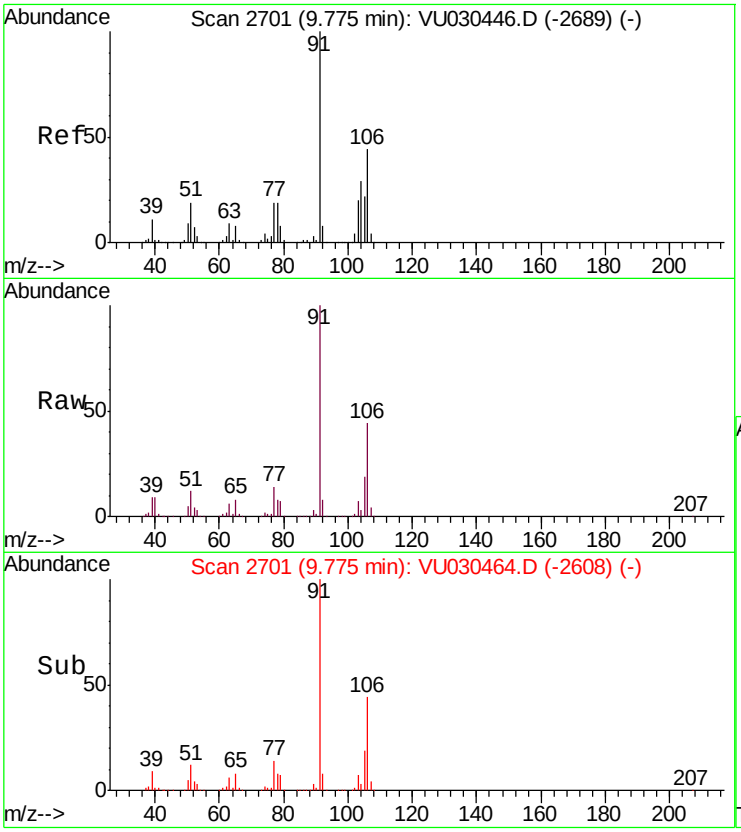


#53
m,p-Xylene
Concen: 70.986 ug/L
RT: 9.37 min Scan# 2575
Delta R.T. -0.00 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

Tgt Ion:106 Resp: 423097

Ion	Ratio	Lower	Upper
106	100		
91	216.3	151.2	280.8



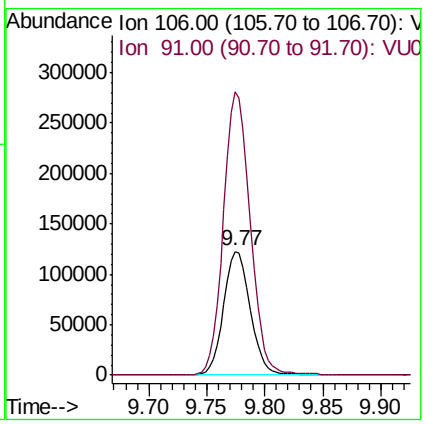


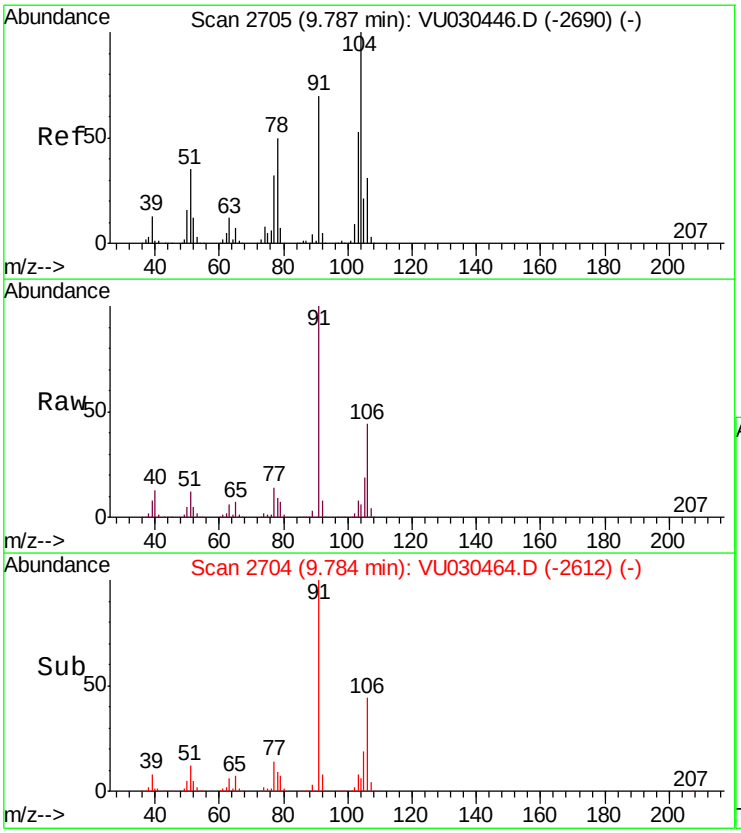
#54
o-xylene
Concen: 33.869 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

Instrument :
MSVOA_U
ClientSampleId :
DB6R9

Tgt Ion:106 Resp: 196972

Ion	Ratio	Lower	Upper
106	100		
91	228.2	159.6	296.4

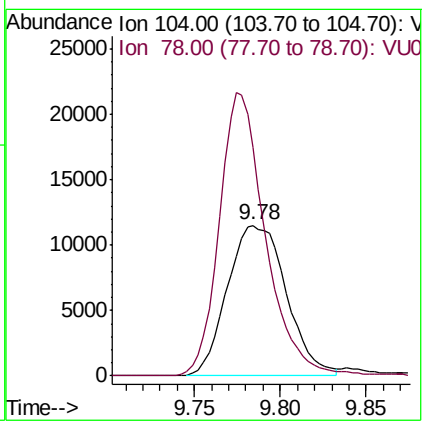


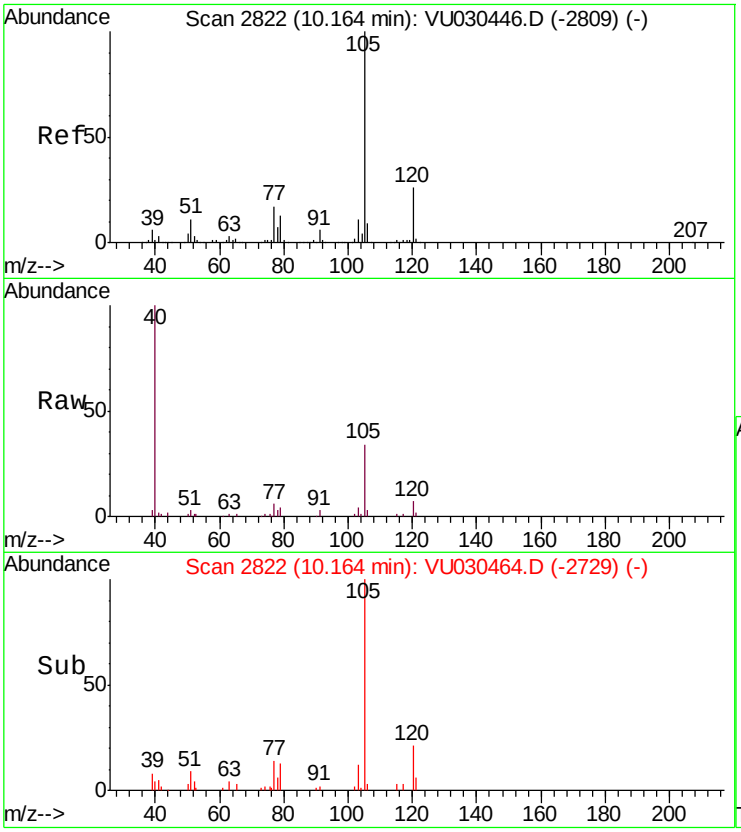


#55
Styrene
Concen: 2.738 ug/L
RT: 9.78 min Scan# 2704
Delta R.T. -0.00 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

Tgt Ion:104 Resp: 27428

Ion	Ratio	Lower	Upper
104	100		
78	151.9	35.1	65.3#



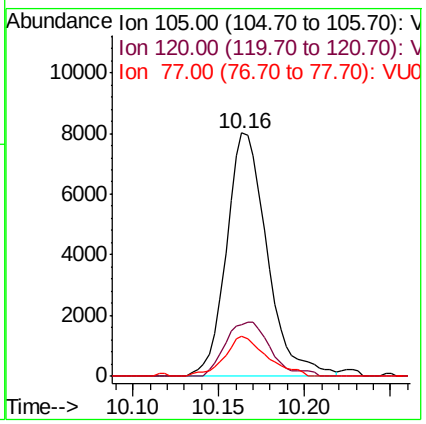


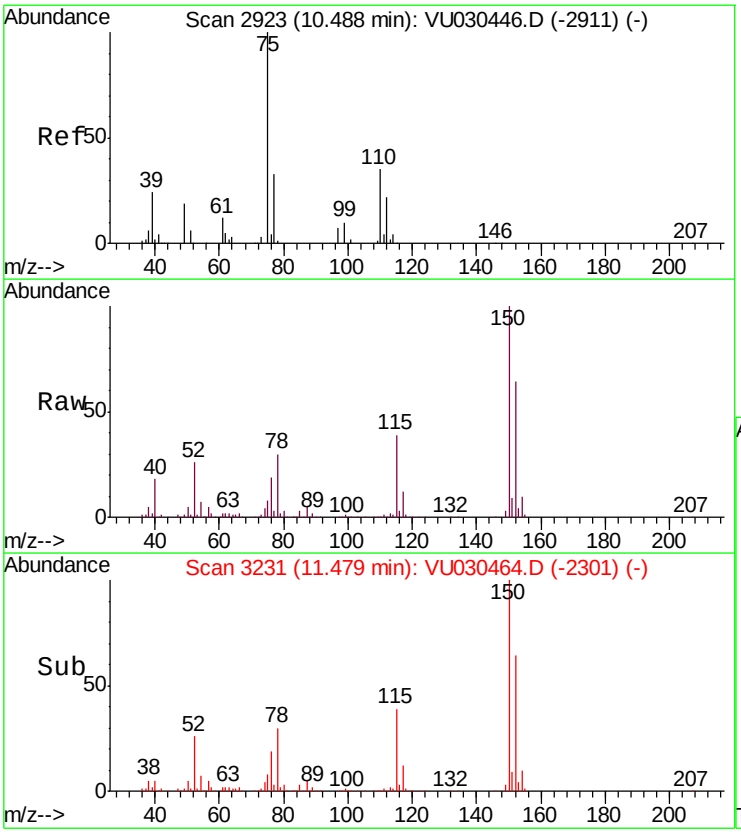
#56
Isopropylbenzene
Concen: 0.861 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. -0.00 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

Instrument : MSVOA_U
ClientSampleId : DB6R9

Tgt Ion:105 Resp: 13253

Ion	Ratio	Lower	Upper
105	100		
120	23.9	20.2	30.2
77	17.0	13.2	19.8

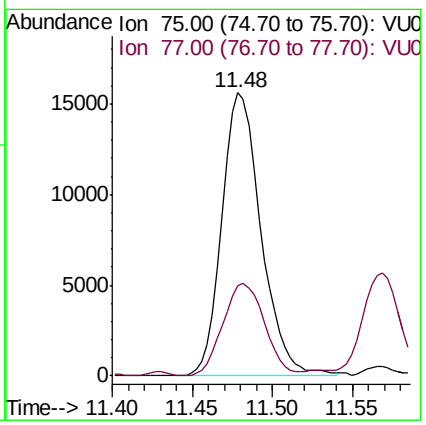


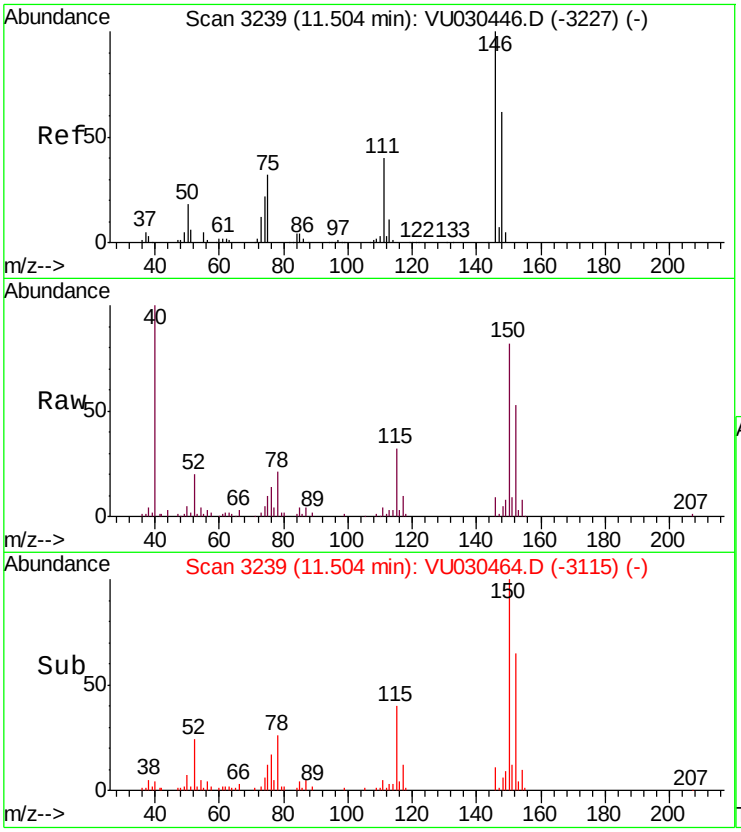


#59
1,2,3-Trichloropropane
Concen: 5.142 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

Tgt Ion: 75 Resp: 26078

Ion	Ratio	Lower	Upper
75	100		
77	34.9	25.4	38.2



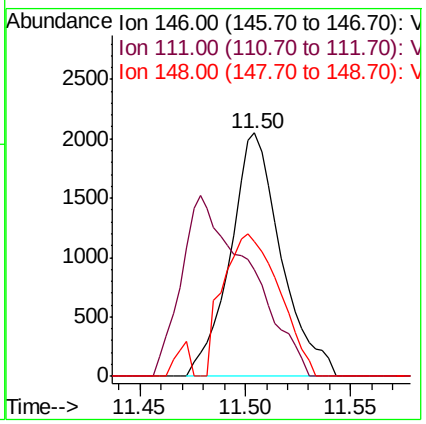


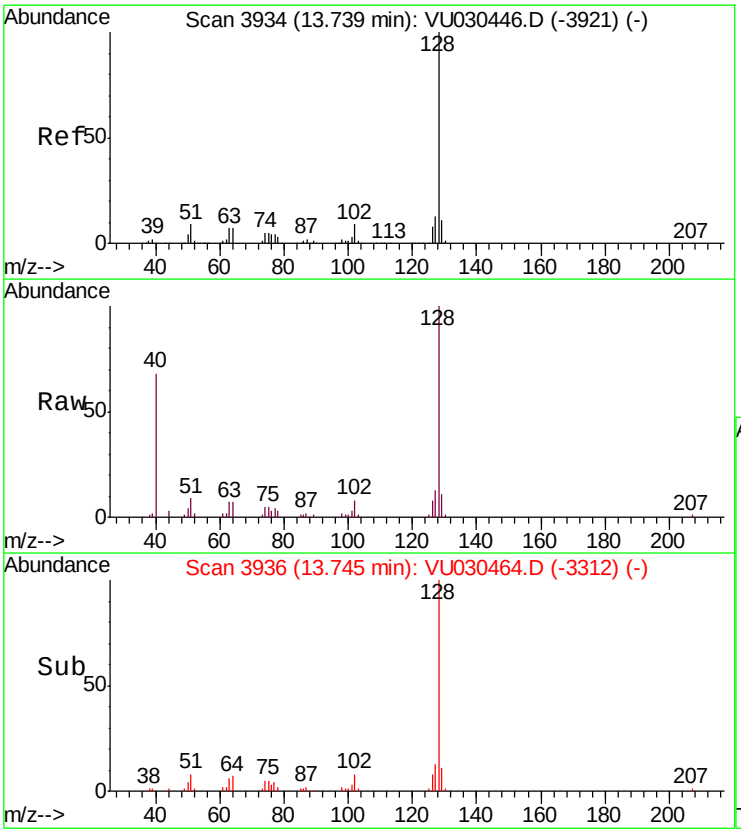
#63
1,4-Dichlorobenzene
Concen: 0.532 ug/L
RT: 11.50 min Scan# 3239
Delta R.T. -0.00 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

Instrument : MSVOA_U
ClientSampleId : DB6R9

Tgt Ion:146 Resp: 3432

Ion	Ratio	Lower	Upper
146	100		
111	44.0	28.7	53.3
148	55.6	44.3	82.3





#69
Naphthalene
Concen: 5.187 ug/L
RT: 13.75 min Scan# 3936
Delta R.T. 0.01 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

Tgt Ion:128 Resp: 75228

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	11.1	8.4	12.6