Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051419\

Quantitation Report (Not Reviewed)

Data File : VU032004.D
Acq On : 14 May 2019 19:00
Operator : JC/SP
Sample : K2738-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB888

Quant Time: May 15 04:31:36 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	1176266	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	1173967	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	542493	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	402860	39.03	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 78.06%			
7) Chloroethane-d5	1.68	69	340879	40.79	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 81.58%			
11) 1,1-Dichloroethene-d2	2.27	63	549942	29.72	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 59.44%#			
21) 2-Butanone-d5	4.17	46	639554	88.49	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 88.49%			
24) Chloroform-d	4.64	84	698031	40.40	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 80.80%			
26) 1,2-Dichloroethane-d4	5.30	65	452520	41.58	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 83.16%			
32) Benzene-d6	5.34	84	1499299	44.11	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 88.22%			
36) 1,2-Dichloropropane-d6	6.32	67	495686	44.20	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 88.40%			
41) Toluene-d8	7.56	98	1470311	48.29	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.58%			
43) trans-1,3-Dichloropropene-	7.85	79	225033	45.49	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 90.98%			
47) 2-Hexanone-d5	8.31	63	434340	95.51	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 95.51%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	712806	42.95	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 85.90%			
64) 1,2-Dichlorobenzene-d4	11.86	152	511184	44.78	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 89.56%			

Target Compounds						Qvalue
8) Chloroethane	1.40	64	147518	19.679	ug/L #	71
13) Acetone	2.32	43	92174	12.405	ug/L	89
17) trans-1,2-Dichloroethene	2.98	96	25371	2.807	ug/L	93
22) 2-Butanone	4.28	43	27563	3.216	ug/L	80
27) 1,2-Dichloroethane	5.33	62	7829	0.577	ug/L	100
29) Cyclohexane	4.99	56	4534004	315.077	ug/L	98
33) Benzene	5.39	78	17215	0.448	ug/L	100
34) Trichloroethene	6.22	95	7000	0.735	ug/L #	23
35) Methylcyclohexane	6.41	83	7187299	492.183	ug/L	97
37) 1,2-Dichloropropane	6.41	63	59962	5.806	ug/L	100
38) Bromodichloromethane	6.82	83	25040	1.984	ug/L #	29
42) Toluene	7.64	91	29457	0.746	ug/L	93
44) trans-1,3-Dichloropropene	7.85	75	9036	0.702	ug/L #	1
45) 1,1,2-Trichloroethane	8.04	97	318957	33.679	ug/L #	18
46) Tetrachloroethene	8.22	164	4363	0.649	ug/L	95
48) 2-Hexanone	8.36	43	36286	3.190	ug/L #	55
52) Ethylbenzene	9.24	91	1562900	37.011	ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051419\

Quantitation Report (Not Reviewed)

Data File : VU032004.D
Acq On : 14 May 2019 19:00
Operator : JC/SP
Sample : K2738-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB888

Quant Time: May 15 04:31:36 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)
53) m,p-Xylene	9.37	106	91452	5.934	ug/L		96
54) o-xylene	9.77	106	13046	0.857	ug/L		100
56) Isopropylbenzene	10.16	105	9068982	232.617	ug/L		100
66) 1,2-Dibromo-3-chloropropan	12.64	75	24894	6.851	ug/L	#	4
69) Naphthalene	13.74	128	534963	16.388	ug/L	#	96

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

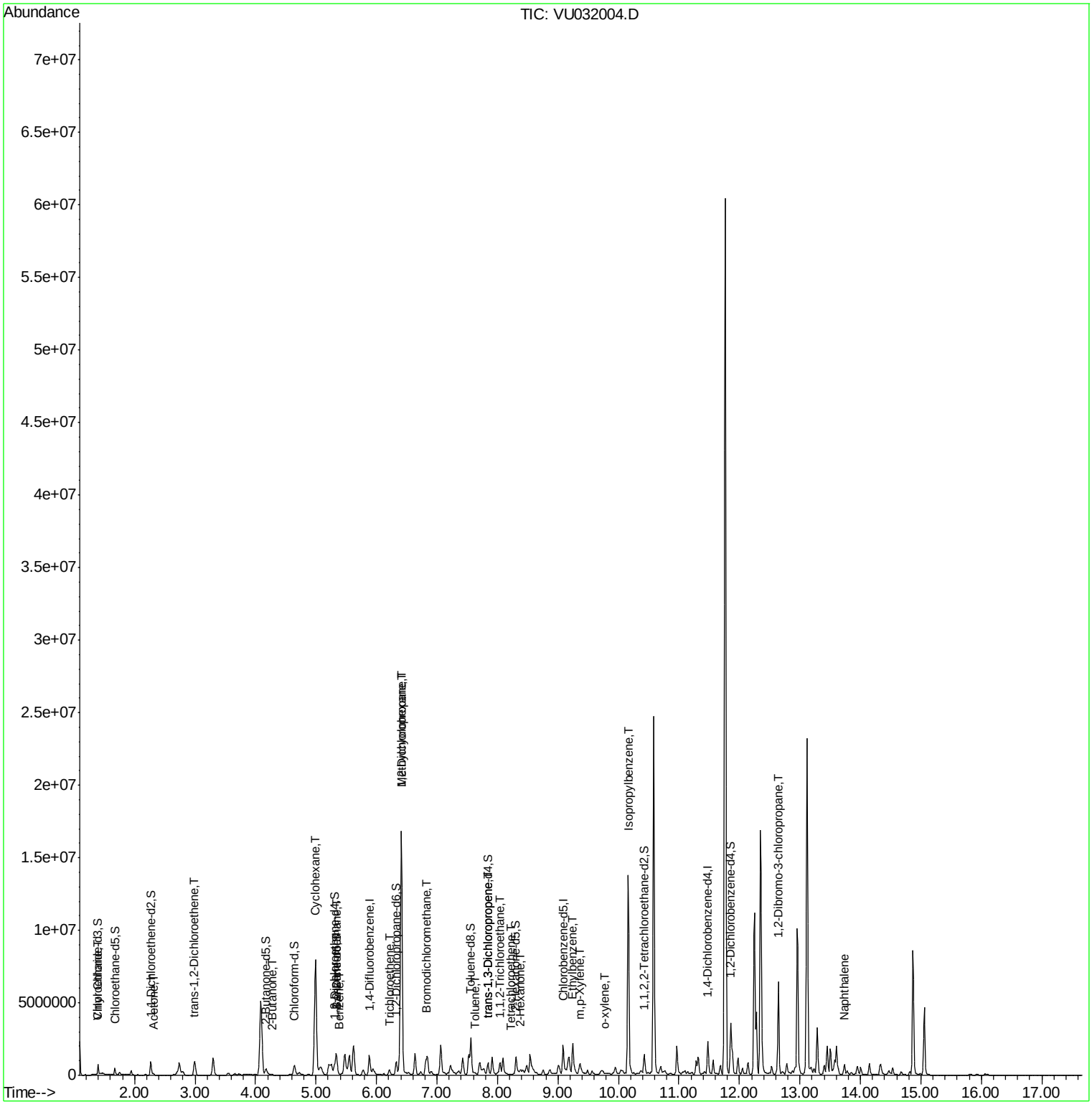
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051419\

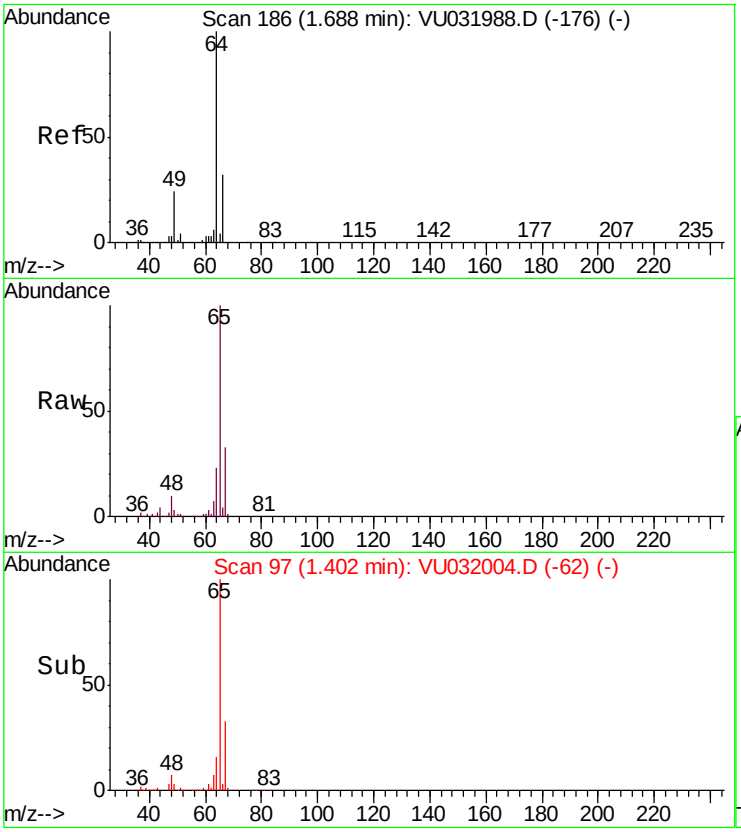
Quantitation Report (Not Reviewed)

Data File : VU032004.D
Acq On : 14 May 2019 19:00
Operator : JC/SP
Sample : K2738-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB888

Quant Time: May 15 04:31:36 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



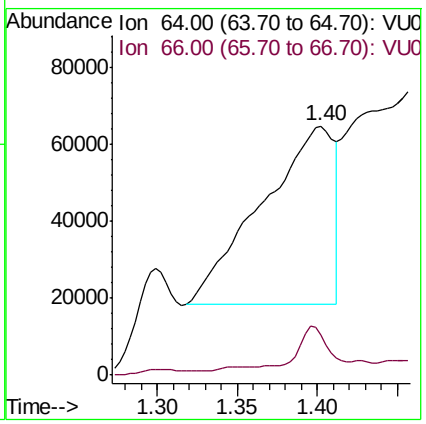


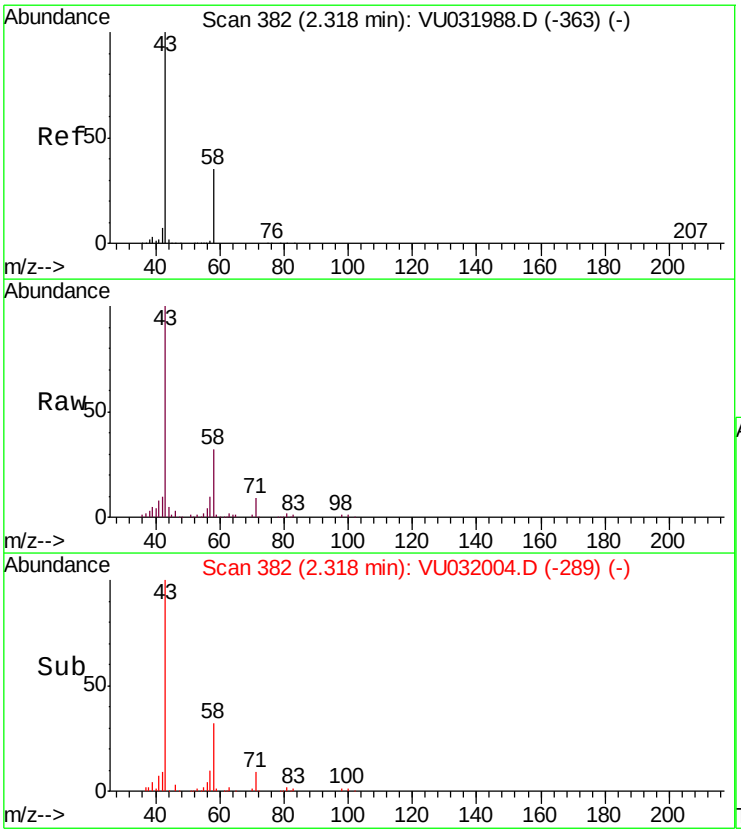
#8
Chloroethane
Concen: 19.679 ug/L
RT: 1.40 min Scan# 97
Delta R.T. -0.29 min
Lab File: VU032004.D
Acq: 14 May 2019 19:00

Instrument :
MSVOA_U
ClientSampleId :
DB888

Tgt Ion: 64 Resp: 147518

Ion	Ratio	Lower	Upper
64	100		
66	16.0	22.7	42.1#

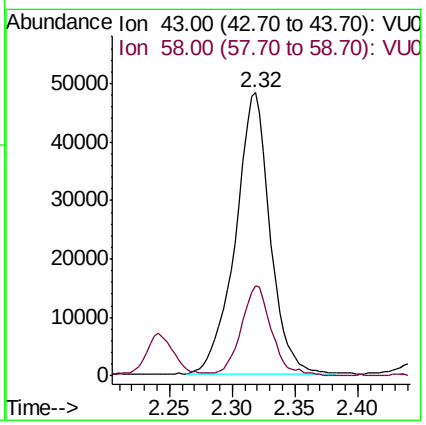


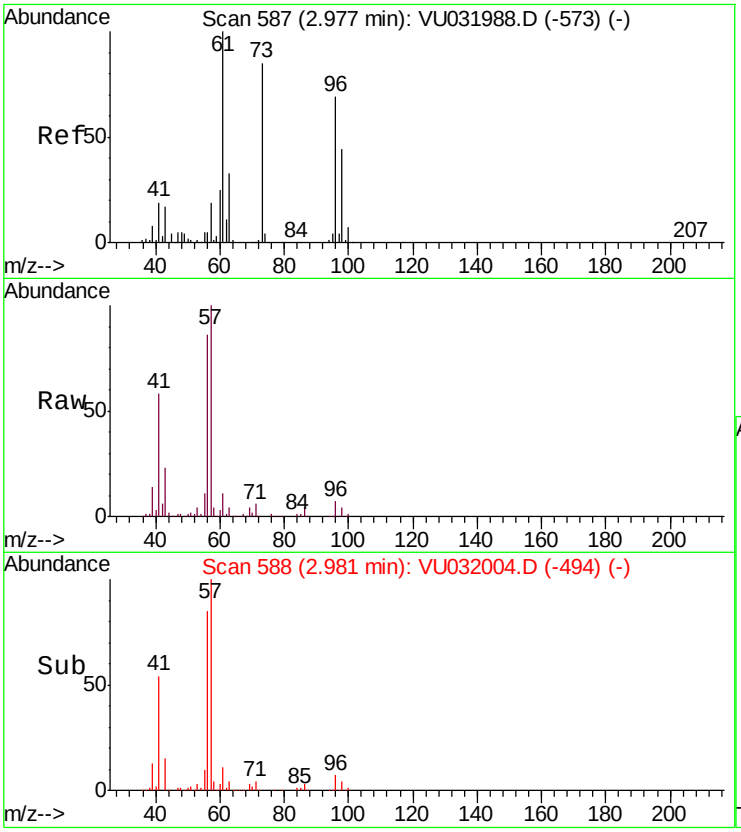


#13
Acetone
Concen: 12.405 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VU032004.D
Acq: 14 May 2019 19:00

Tgt Ion: 43 Resp: 92174

Ion	Ratio	Lower	Upper
43	100		
58	28.0	0.0	68.2



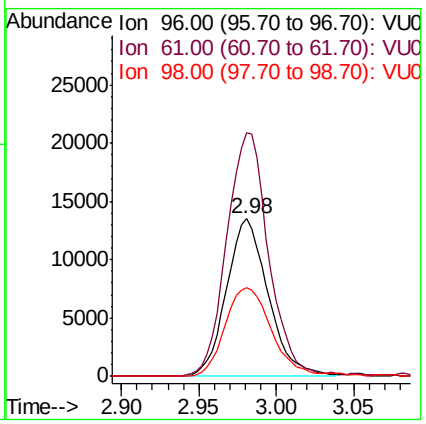


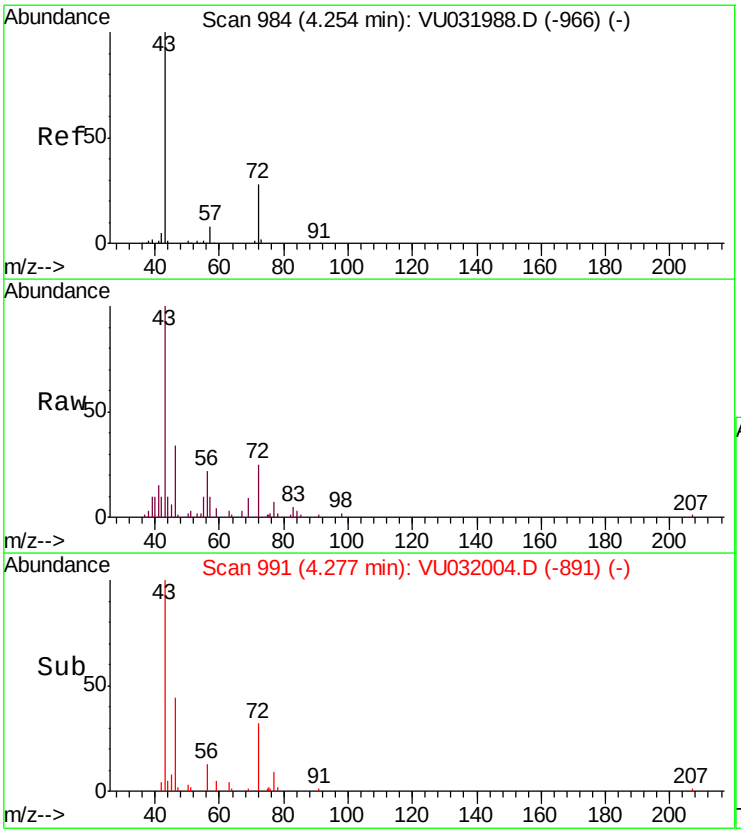
#17
trans-1,2-Dichloroethene
Concen: 2.807 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU032004.D
Acq: 14 May 2019 19:00

Instrument :
MSVOA_U
ClientSampleId :
DB888

Tgt Ion: 96 Resp: 25371

Ion	Ratio	Lower	Upper
96	100		
61	154.4	103.2	191.6
98	56.2	45.7	84.9

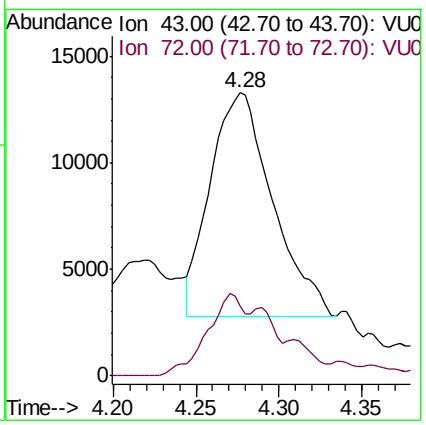


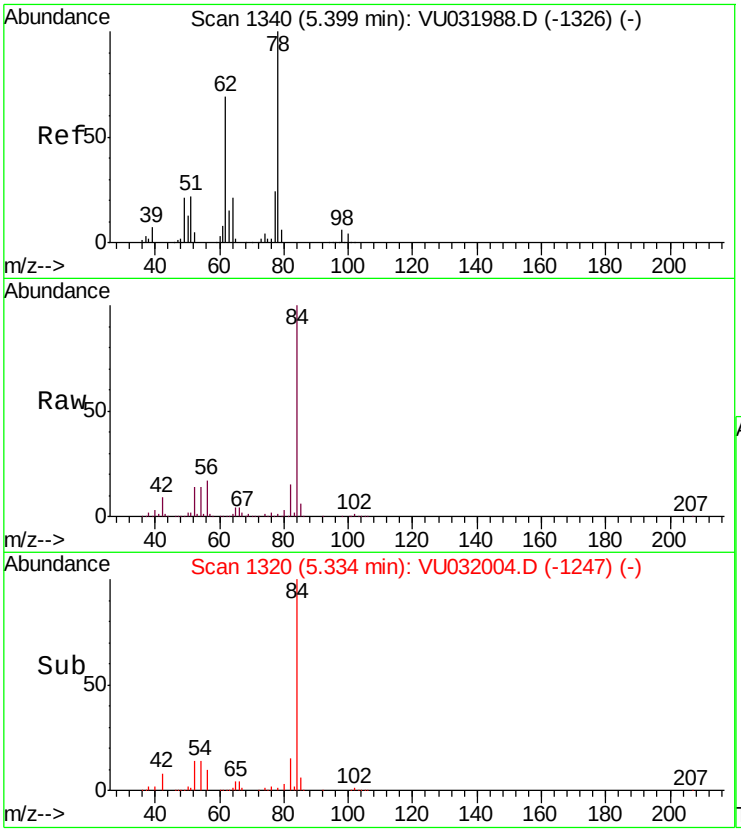


#22
2-Butanone
Concen: 3.216 ug/L
RT: 4.28 min Scan# 991
Delta R.T. 0.02 min
Lab File: VU032004.D
Acq: 14 May 2019 19:00

Tgt Ion: 43 Resp: 27563

Ion	Ratio	Lower	Upper
43	100		
72	17.3	13.9	41.7



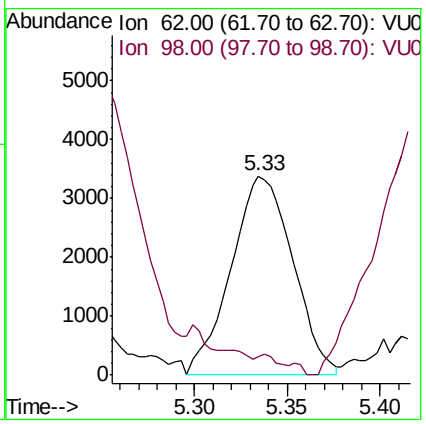


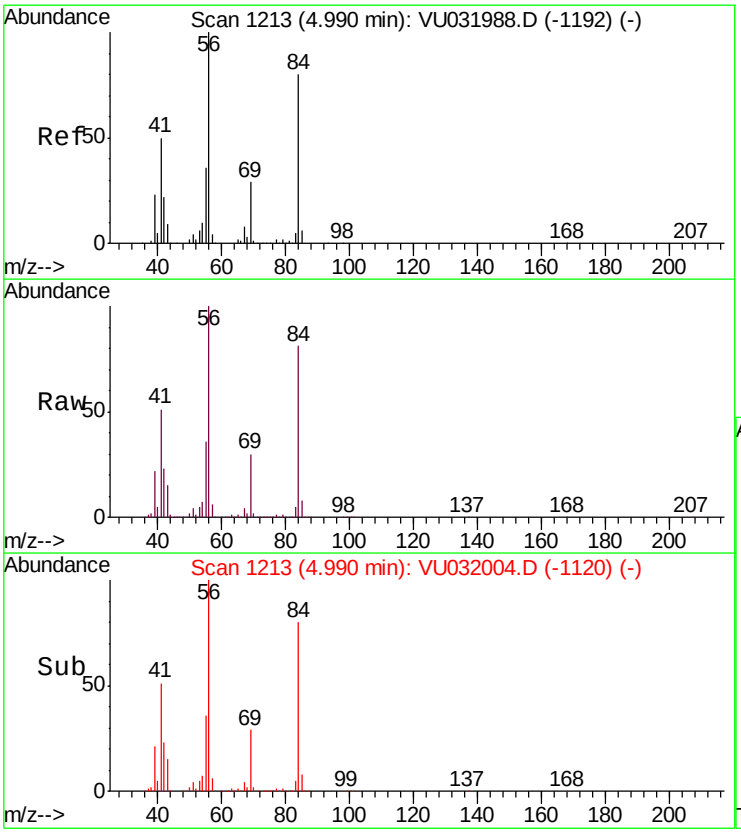
#27
1,2-Dichloroethane
Concen: 0.577 ug/L
RT: 5.33 min Scan# 1320
Delta R.T. -0.06 min
Lab File: VU032004.D
Acq: 14 May 2019 19:00

Instrument :
MSVOA_U
ClientSampleId :
DB888

Tgt Ion: 62 Resp: 7829

Ion	Ratio	Lower	Upper
62	100		
98	9.0	7.2	10.8

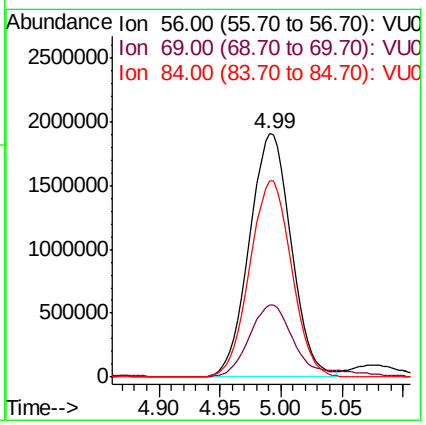


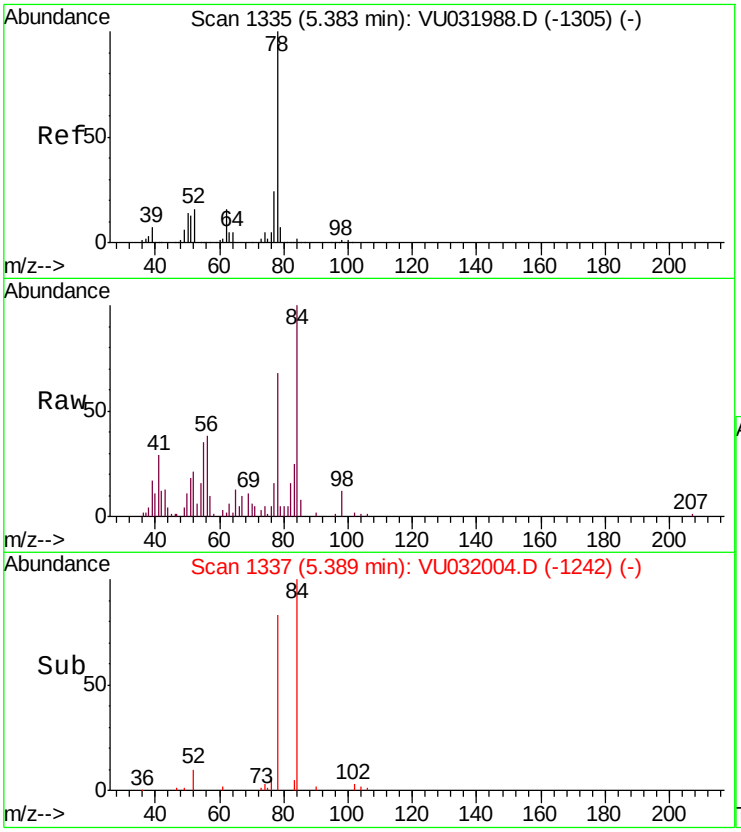


#29
Cyclohexane
Concen: 315.077 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU032004.D
Acq: 14 May 2019 19:00

Tgt Ion: 56 Resp: 4534004

Ion	Ratio	Lower	Upper
56	100		
69	33.0	24.8	37.2
84	80.9	65.5	98.3

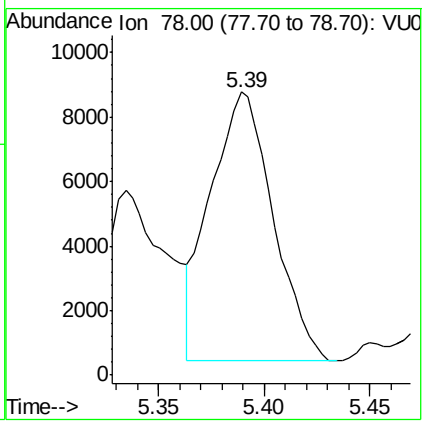


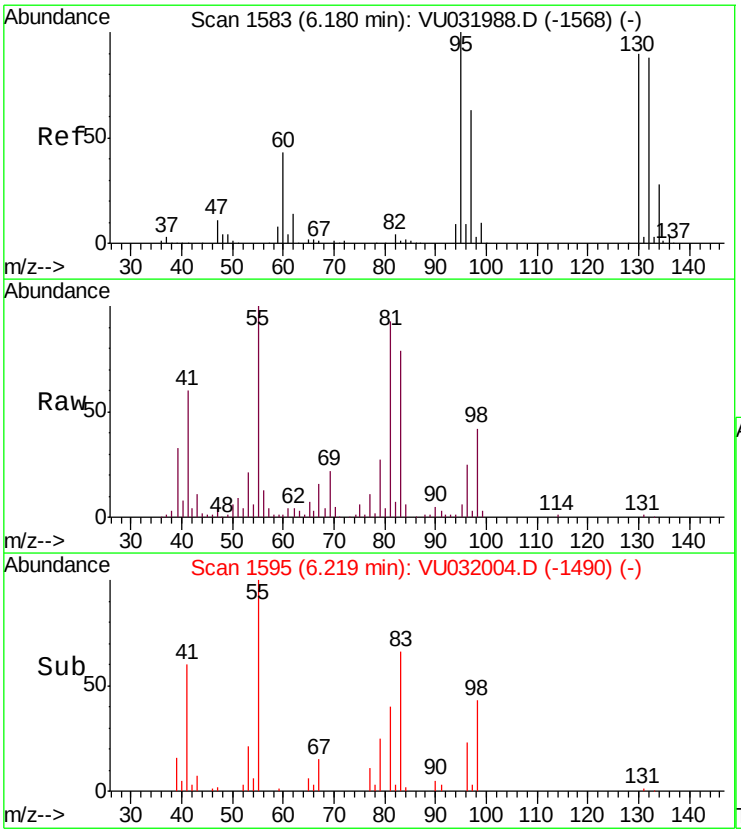


#33
Benzene
Concen: 0.448 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. 0.01 min
Lab File: VU032004.D
Acq: 14 May 2019 19:00

Instrument :
MSVOA_U
ClientSampleId :
DB888

Tgt Ion: 78 Resp: 17215

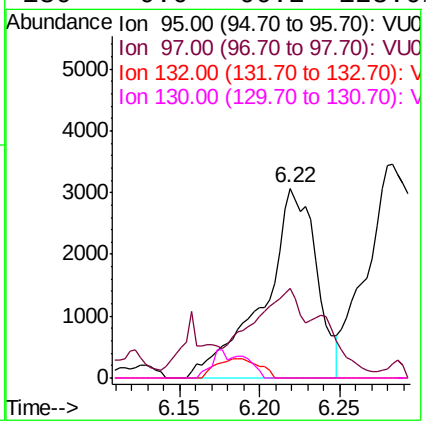


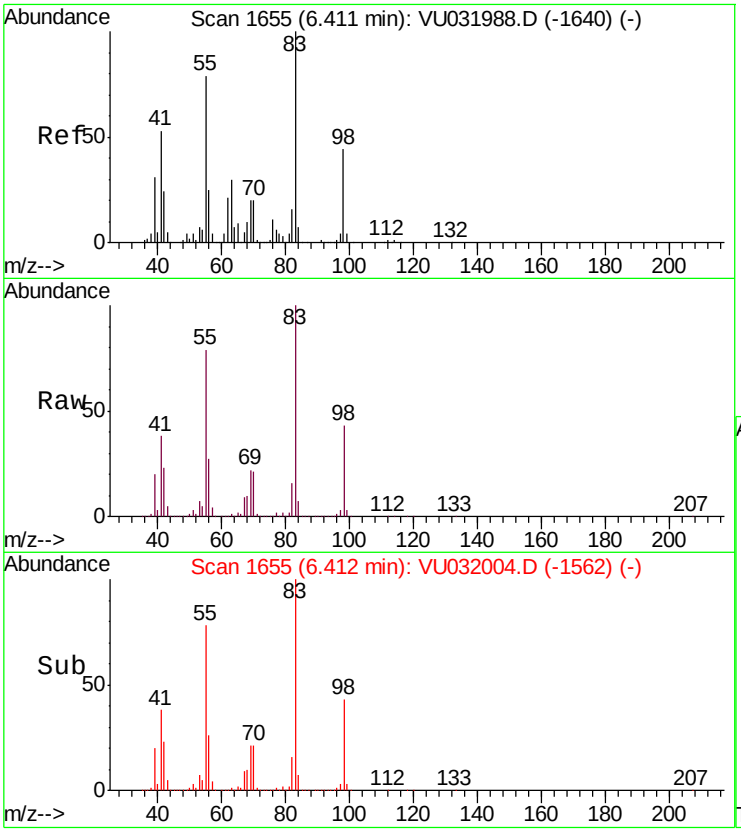


#34
Trichloroethene
Concen: 0.735 ug/L
RT: 6.22 min Scan# 1595
Delta R.T. 0.04 min
Lab File: VU032004.D
Acq: 14 May 2019 19:00

Tgt Ion: 95 Resp: 7000

Ion	Ratio	Lower	Upper
95	100		
97	47.1	44.9	83.3
132	0.0	63.5	117.9#
130	0.0	66.2	123.0#



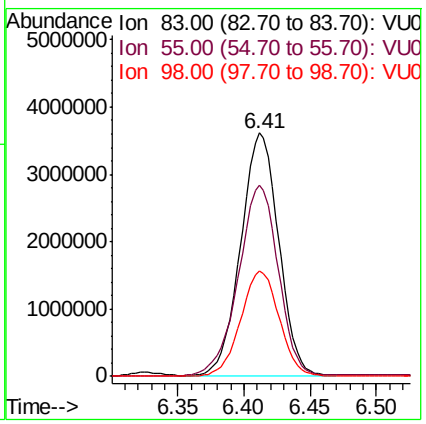


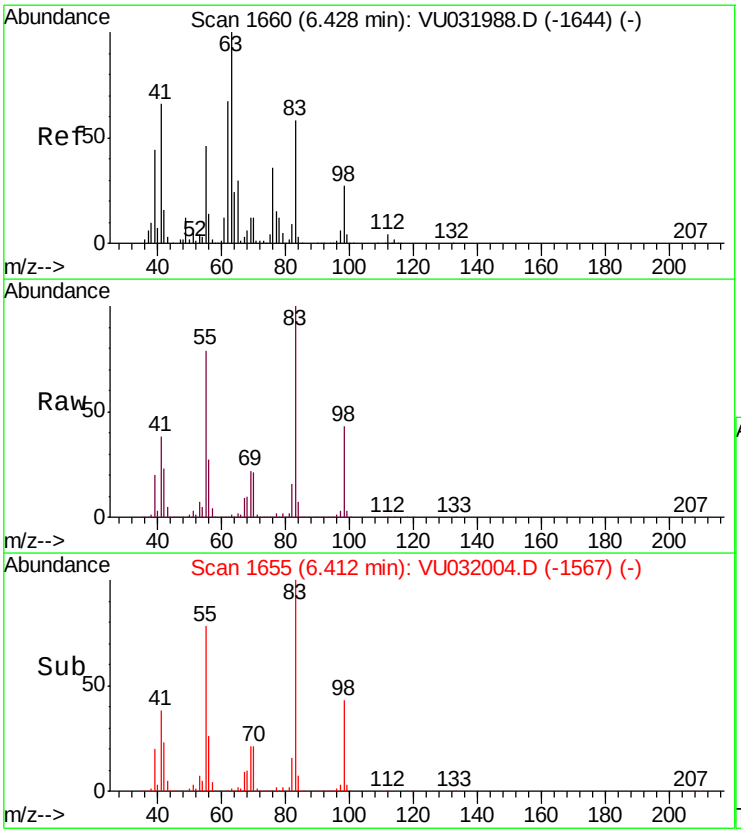
#35
Methylcyclohexane
Concen: 492.183 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU032004.D
Acq: 14 May 2019 19:00

Instrument :
MSVOA_U
ClientSampleId :
DB888

Tgt Ion: 83 Resp: 7187299

Ion	Ratio	Lower	Upper
83	100		
55	83.1	64.0	96.0
98	44.0	35.6	53.4

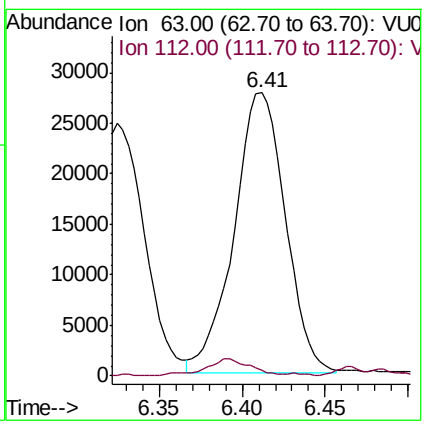


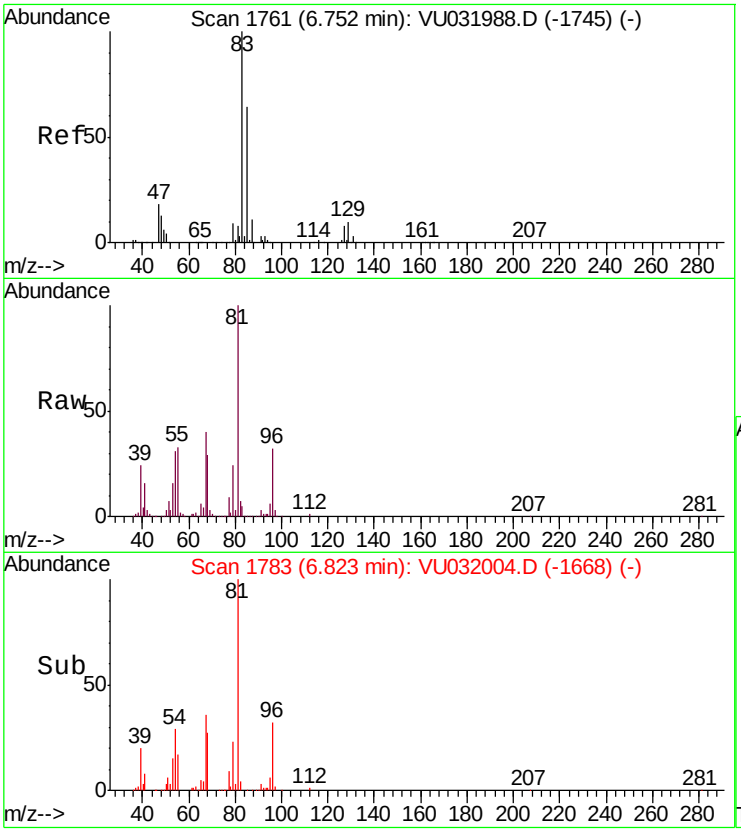


#37
1,2-Dichloropropane
Concen: 5.806 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. -0.02 min
Lab File: VU032004.D
Acq: 14 May 2019 19:00

Tgt Ion: 63 Resp: 59962

Ion	Ratio	Lower	Upper
63	100		
112	3.8	3.0	4.4



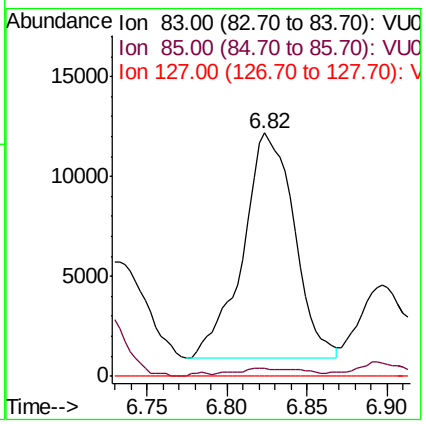


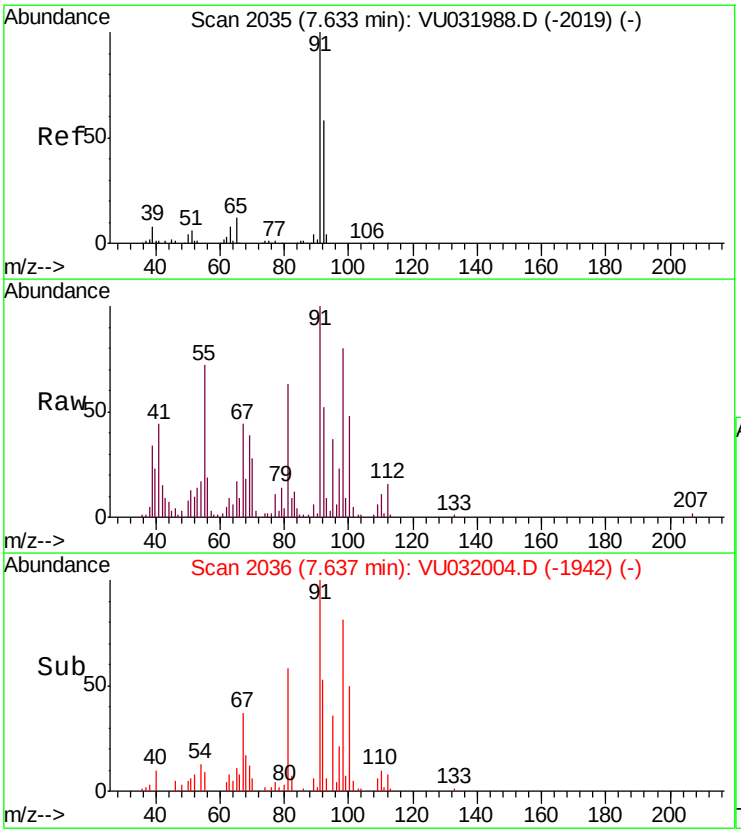
#38
Bromodichloromethane
Concen: 1.984 ug/L
RT: 6.82 min Scan# 1783
Delta R.T. 0.07 min
Lab File: VU032004.D
Acq: 14 May 2019 19:00

Instrument : MSVOA_U
ClientSampleId : DB888

Tgt Ion: 83 Resp: 25040

Ion	Ratio	Lower	Upper
83	100		
85	3.2	44.7	82.9#
127	0.0	6.5	9.7#

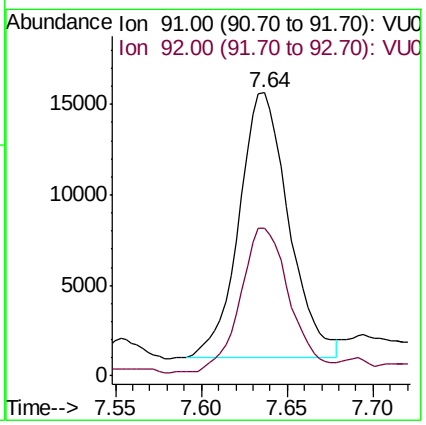


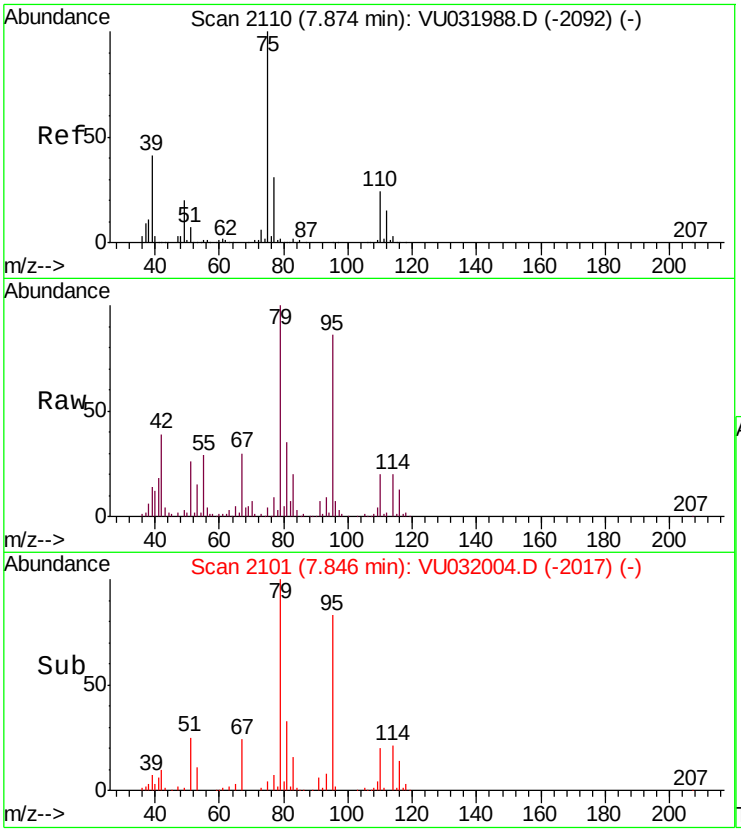


#42
Toluene
Concen: 0.746 ug/L
RT: 7.64 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VU032004.D
Acq: 14 May 2019 19:00

Tgt Ion: 91 Resp: 29457

Ion	Ratio	Lower	Upper
91	100		
92	52.2	40.2	74.6



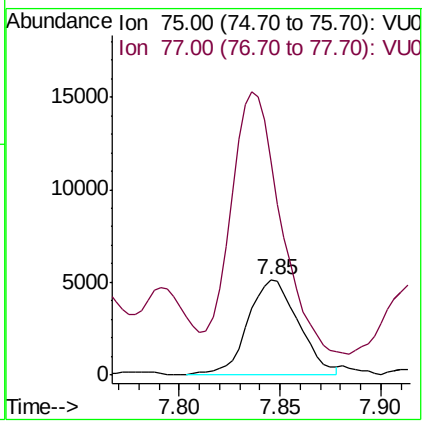


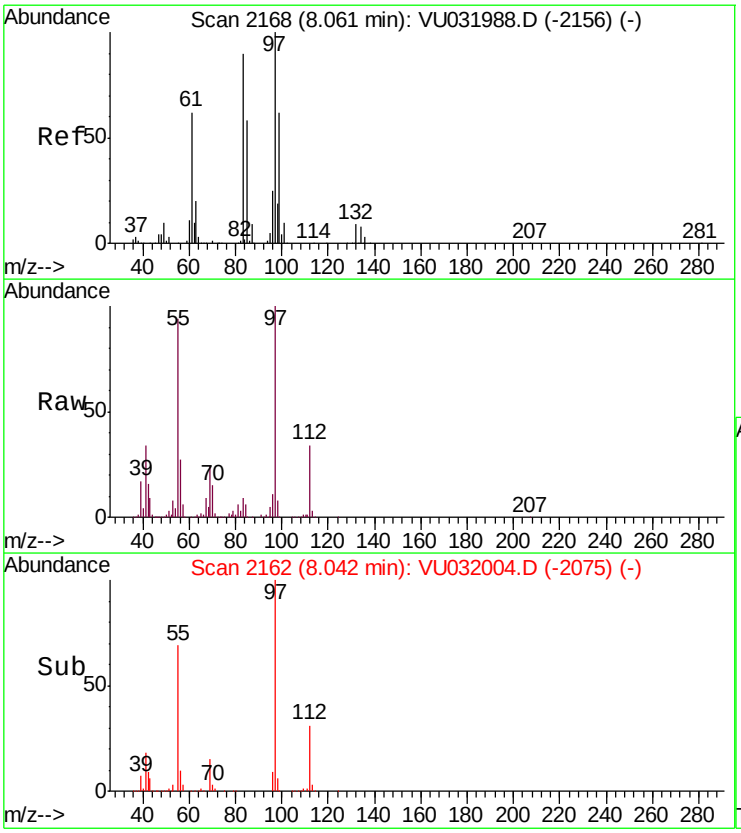
#44
trans-1,3-Dichloropropene
Concen: 0.702 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU032004.D
Acq: 14 May 2019 19:00

Instrument : MSVOA_U
ClientSampleId : DB888

Tgt Ion: 75 Resp: 9036

Ion	Ratio	Lower	Upper
75	100		
77	224.0	22.5	41.7#

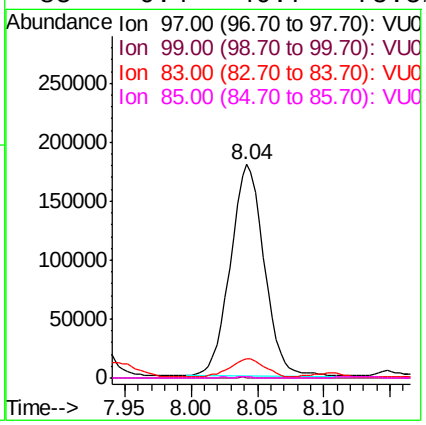


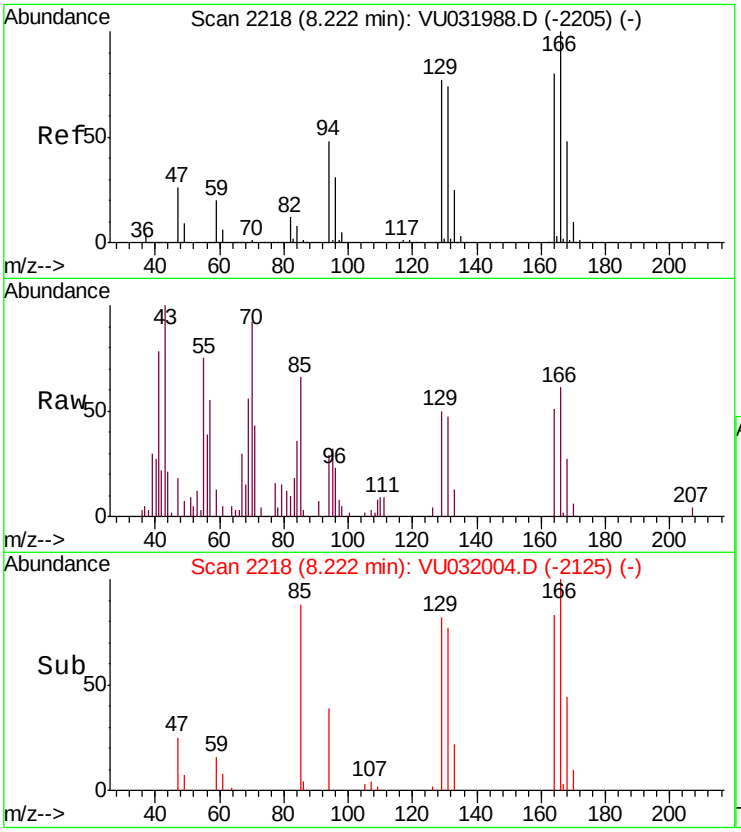


#45
1,1,2-Trichloroethane
Concen: 33.679 ug/L
RT: 8.04 min Scan# 2162
Delta R.T. -0.02 min
Lab File: VU032004.D
Acq: 14 May 2019 19:00

Tgt Ion: 97 Resp: 318957

Ion	Ratio	Lower	Upper
97	100		
99	0.3	44.4	82.4#
83	9.0	63.8	118.4#
85	0.4	40.7	75.5#



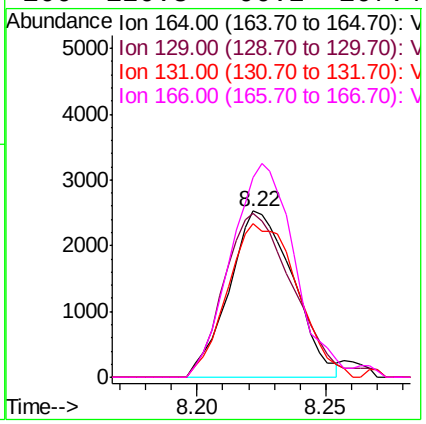


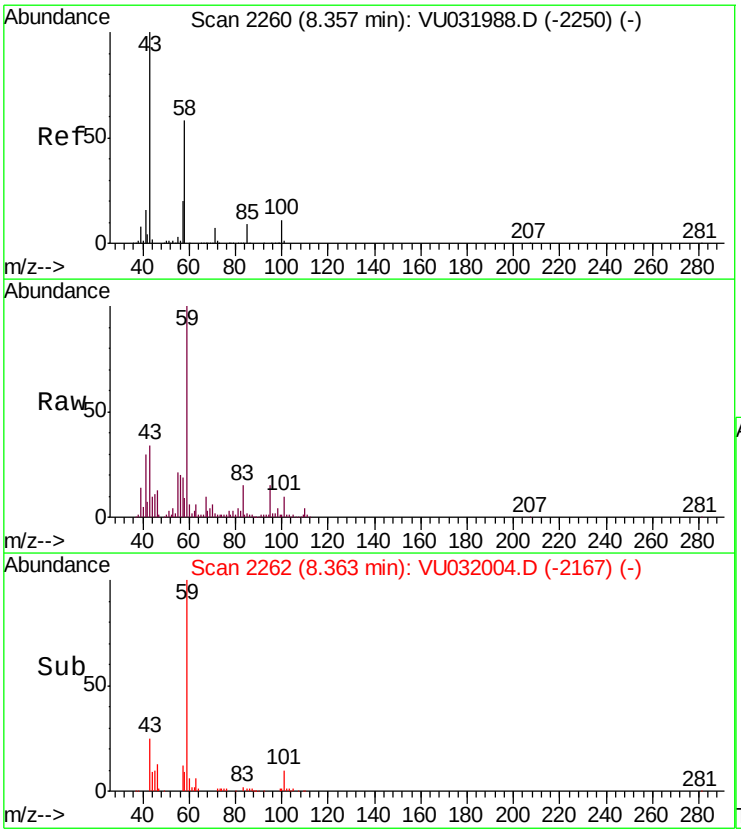
#46
Tetrachloroethene
Concen: 0.649 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU032004.D
Acq: 14 May 2019 19:00

Instrument : MSVOA_U
ClientSampleId : DB888

Tgt Ion:164 Resp: 4363

Ion	Ratio	Lower	Upper
164	100		
129	98.7	70.9	131.7
131	92.5	67.4	125.2
166	120.3	90.2	167.4

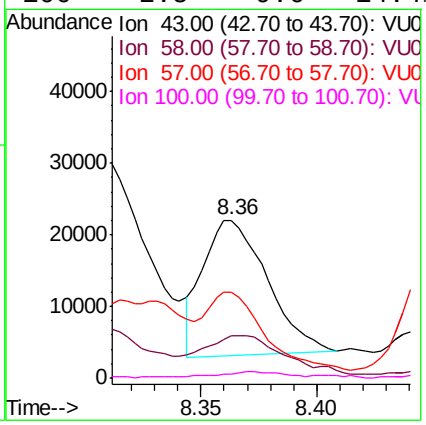


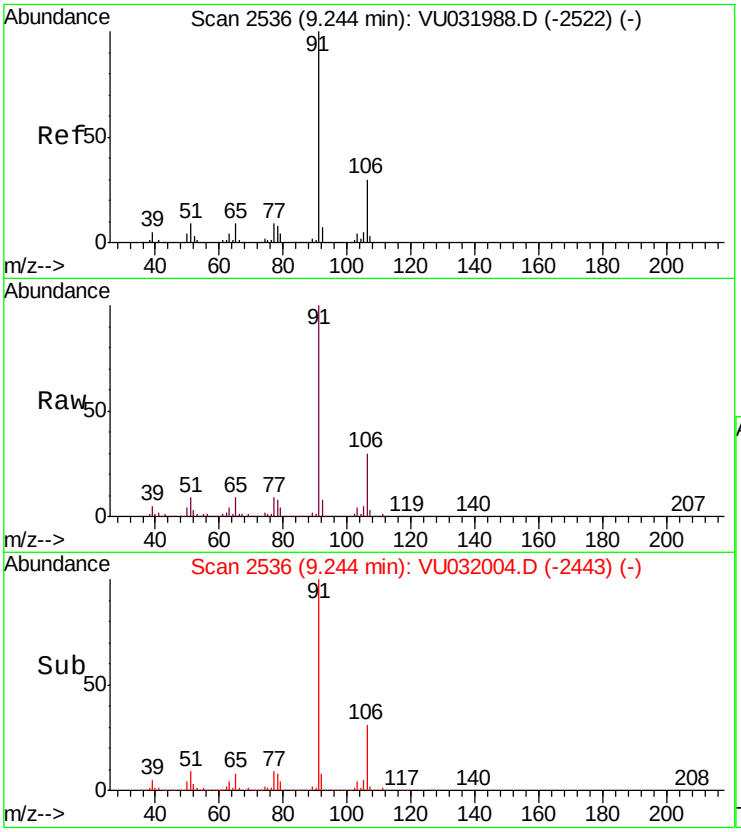


#48
2-Hexanone
Concen: 3.190 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU032004.D
Acq: 14 May 2019 19:00

Tgt Ion: 43 Resp: 36286

Ion	Ratio	Lower	Upper
43	100		
58	28.3	47.8	71.6#
57	51.4	16.0	24.0#
100	2.5	9.6	14.4#



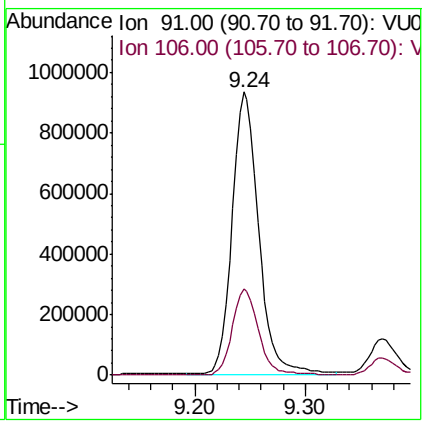


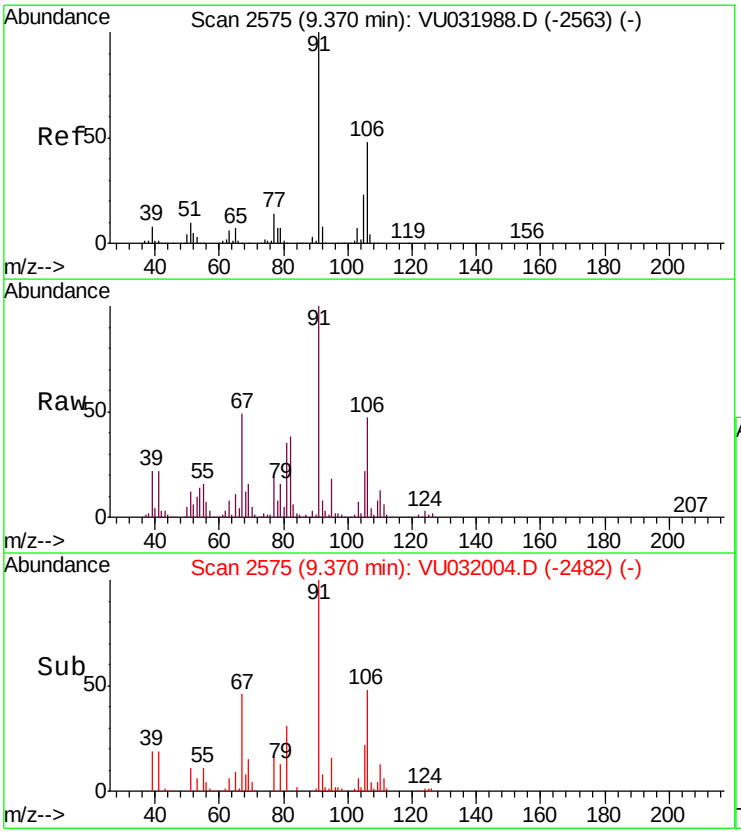
#52
Ethylbenzene
Concen: 37.011 ug/L
RT: 9.24 min Scan# 2536
Delta R.T. 0.00 min
Lab File: VU032004.D
Acq: 14 May 2019 19:00

Instrument : MSVOA_U
ClientSampleId : DB888

Tgt Ion: 91 Resp: 1562900

Ion	Ratio	Lower	Upper
91	100		
106	30.5	21.3	39.5

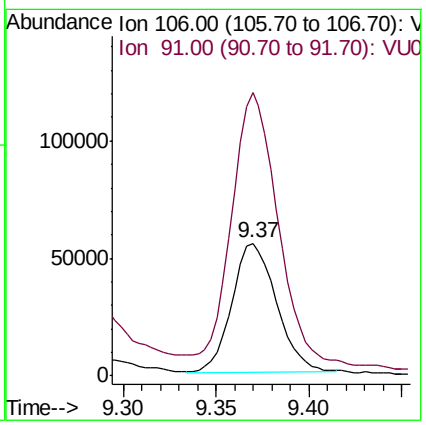


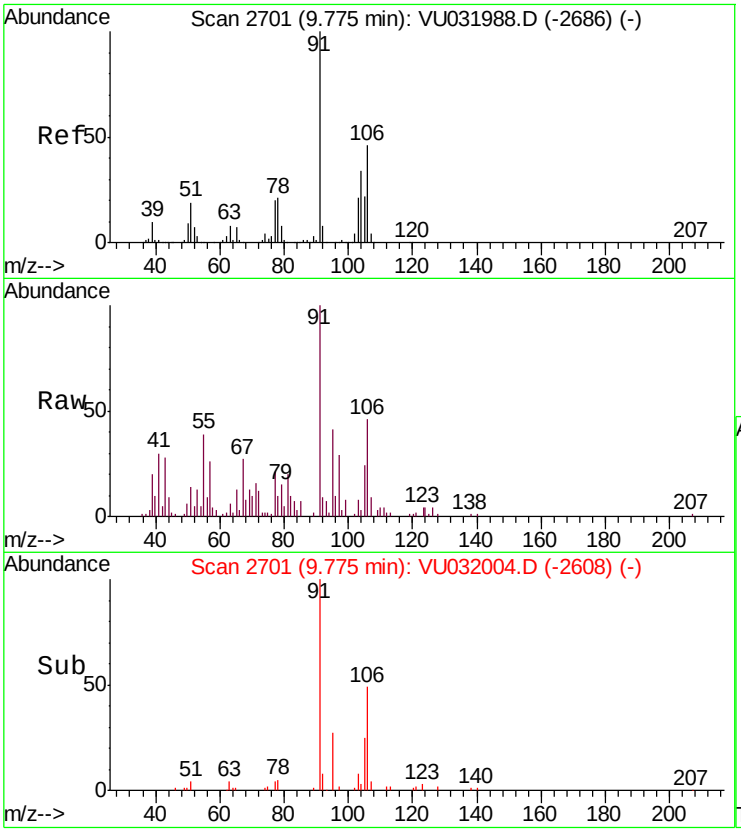


#53
m,p-Xylene
Concen: 5.934 ug/L
RT: 9.37 min Scan# 2575
Delta R.T. 0.00 min
Lab File: VU032004.D
Acq: 14 May 2019 19:00

Tgt Ion:106 Resp: 91452

Ion	Ratio	Lower	Upper
106	100		
91	213.3	144.8	269.0



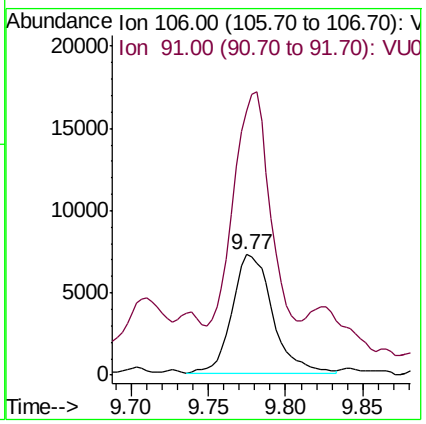


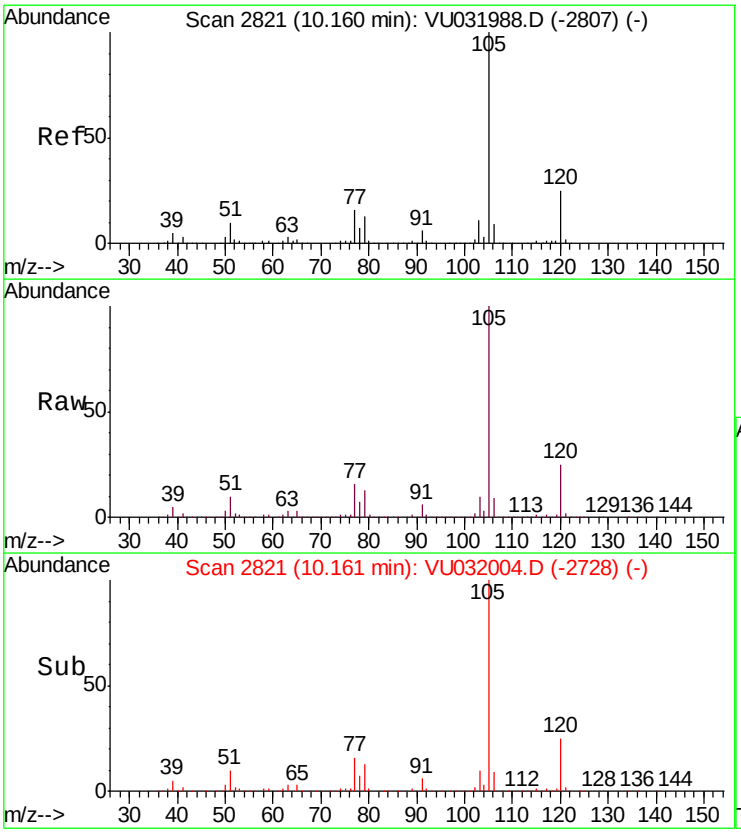
#54
o-xylene
Concen: 0.857 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU032004.D
Acq: 14 May 2019 19:00

Instrument :
MSVOA_U
ClientSampleId :
DB888

Tgt Ion:106 Resp: 13046

Ion	Ratio	Lower	Upper
106	100		
91	219.5	153.9	285.7

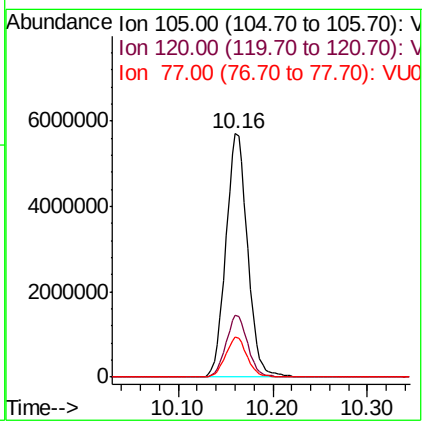


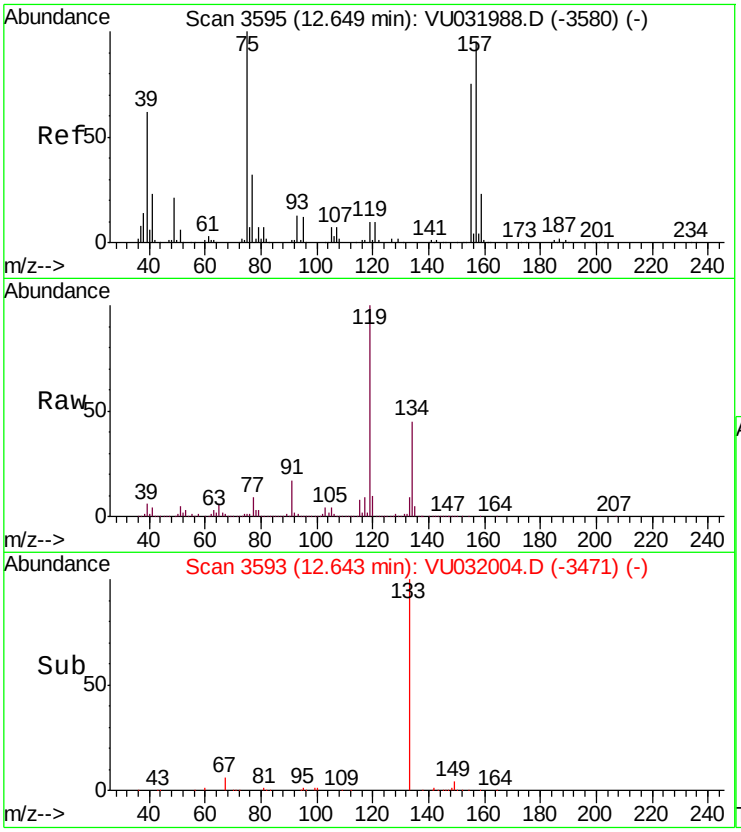


#56
Isopropylbenzene
Concen: 232.617 ug/L
RT: 10.16 min Scan# 2821
Delta R.T. 0.00 min
Lab File: VU032004.D
Acq: 14 May 2019 19:00

Tgt Ion:105 Resp: 9068982

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.5	30.7
77	16.3	13.0	19.4



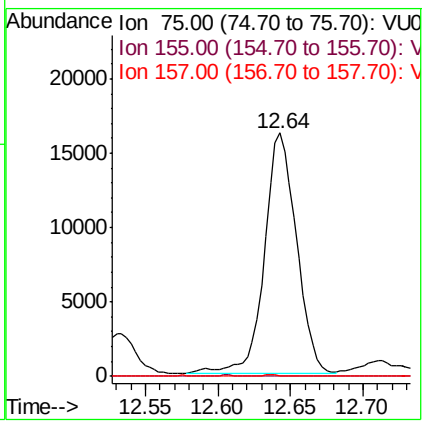


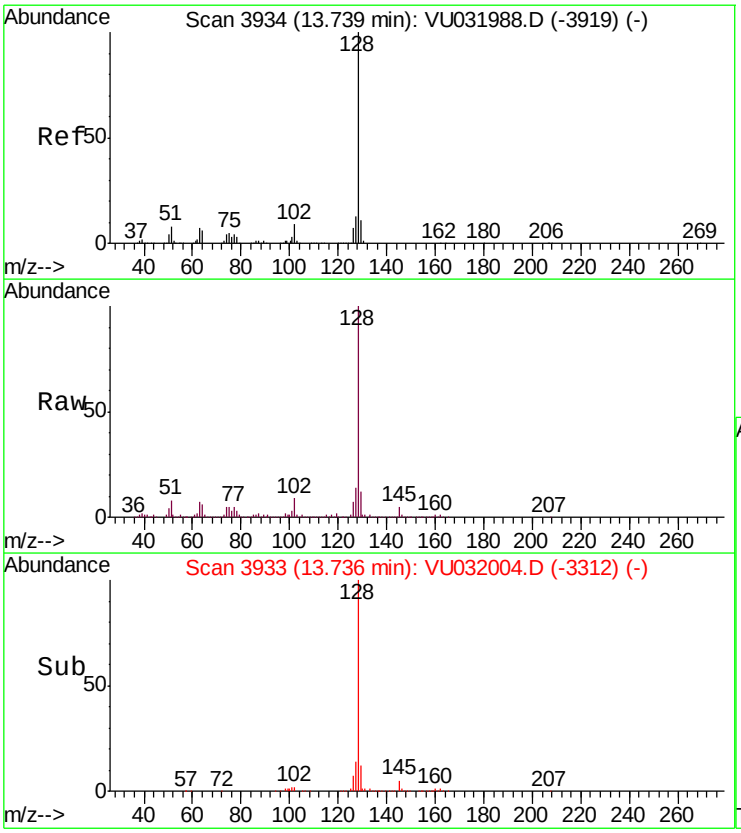
#66
1,2-Dibromo-3-chloropropane
Concen: 6.851 ug/L
RT: 12.64 min Scan# 3593
Delta R.T. -0.01 min
Lab File: VU032004.D
Acq: 14 May 2019 19:00

Instrument :
MSVOA_U
ClientSampleId :
DB888

Tgt Ion: 75 Resp: 24894

Ion	Ratio	Lower	Upper
75	100		
155	0.0	63.8	95.8#
157	0.0	80.2	120.2#





#69
Naphthalene
Concen: 16.388 ug/L
RT: 13.74 min Scan# 3933
Delta R.T. -0.00 min
Lab File: VU032004.D
Acq: 14 May 2019 19:00

Tgt Ion:128 Resp: 534963

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	16.0
129	13.7	8.6	13.0#