Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

Quant Time: Sep 24 05:23:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 03:36:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	506068	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	471094	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	236895	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	209117	40.36	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 80.72%			
7) Chloroethane-d5	1.67	69	170446	42.57	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 85.14%			
11) 1,1-Dichloroethene-d2	2.26	63	293571	33.46	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 66.92%			
21) 2-Butanone-d5	4.15	46	469501	118.24	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 118.24%			
24) Chloroform-d	4.62	84	362325	48.11	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.22%			
26) 1,2-Dichloroethane-d4	5.29	65	267145	48.25	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.50%			
32) Benzene-d6	5.32	84	742963	50.88	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.76%			
36) 1,2-Dichloropropane-d6	6.31	67	262208	51.38	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 102.76%			
41) Toluene-d8	7.54	98	715447	51.50	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.00%			
43) trans-1,3-Dichloropropene-	7.83	79	116848	47.80	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 95.60%			
47) 2-Hexanone-d5	8.29	63	318466	124.24	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 124.24%			
57) 1,1,2,2-Tetrachloroethane-	10.41	84	362873	51.24	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 102.48%			
64) 1,2-Dichlorobenzene-d4	11.84	152	258636	52.07	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.14%			
Target Compounds						Qvalue
13) Acetone	2.31	43	132093	28.599	ug/L	97
14) Carbon disulfide	2.46	76	9337	0.836	ug/L	98
16) Methylene chloride	2.68	84	216907	51.717	ug/L	96
20) cis-1,2-Dichloroethene	4.20	96	18661	4.409	ug/L	92
22) 2-Butanone	4.25	43	30064	5.471	ug/L	82
29) Cyclohexane	4.97	56	33594	4.320	ug/L	94
33) Benzene	5.37	78	522592	31.985	ug/L	100
34) Trichloroethene	6.16	95	115796	28.697	ug/L	98
35) Methylcyclohexane	6.40	83	29798	4.352	ug/L	97
37) 1,2-Dichloropropane	6.41	63	10231	2.103	ug/L #	94
40) 4-Methyl-2-pentanone	7.44	43	724453	77.997	ug/L	96
42) Toluene	7.61	91	4897896	277.381	ug/L	98
46) Tetrachloroethene	8.21	164	25569	9.008	ug/L	98
51) Chlorobenzene	9.10	112	10158	0.946	ug/L	97
52) Ethylbenzene	9.23	91	1179294	59.309	ug/L	98
53) m,p-Xylene	9.35	106	1673561	237.627	ug/L	100
54) o-xylene	9.76	106	1007629	144.651	ug/L	98

Quantitation Report (LSC Reviewed)

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Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

Quant Time: Sep 24 05:23:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 03:36:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) Isopropylbenzene	10.14	105	102792	5.473	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	16246	1.944	ug/L	90
65) 1,2-Dichlorobenzene	11.85	146	136362	16.451	ug/L	97

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
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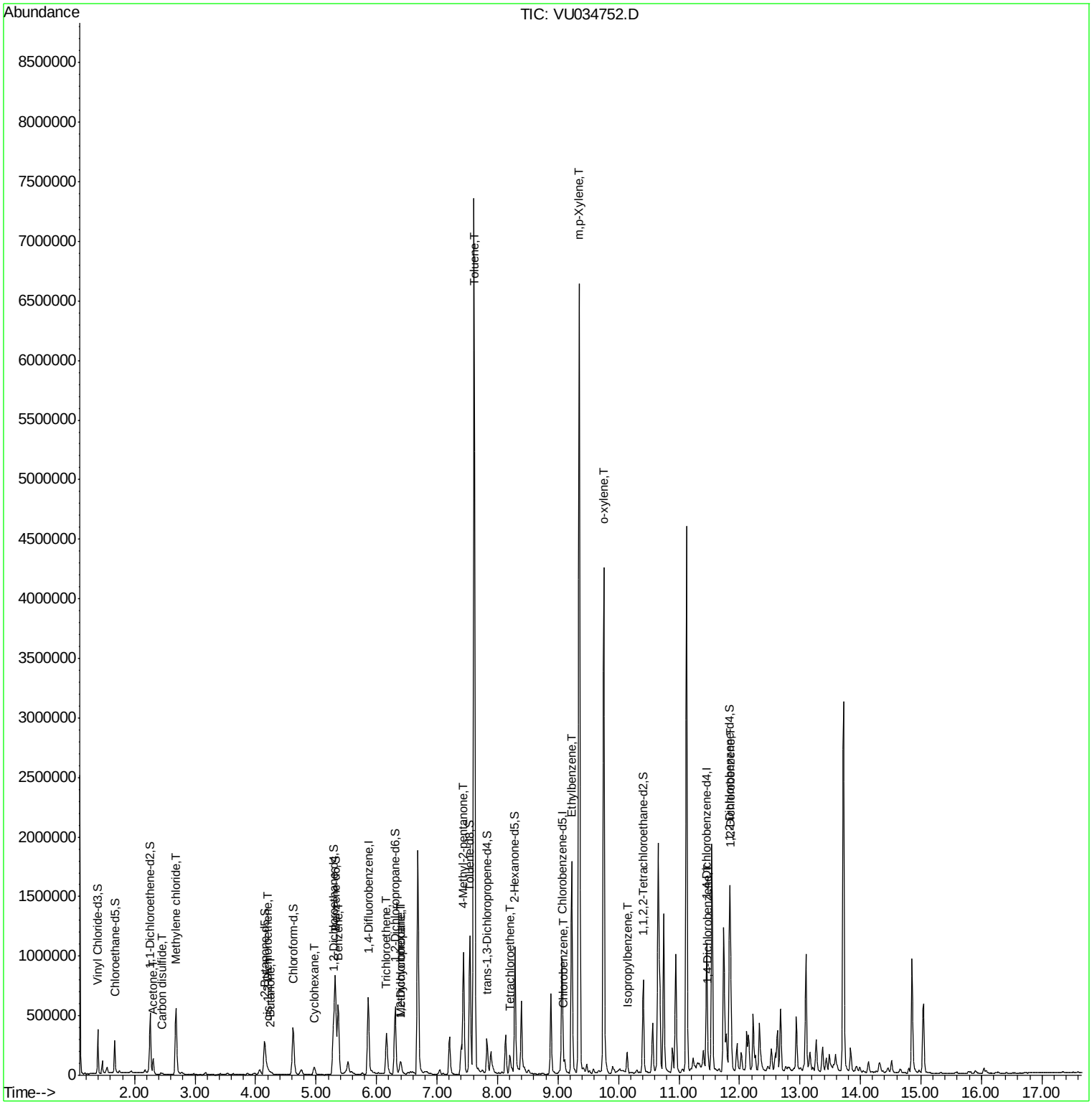
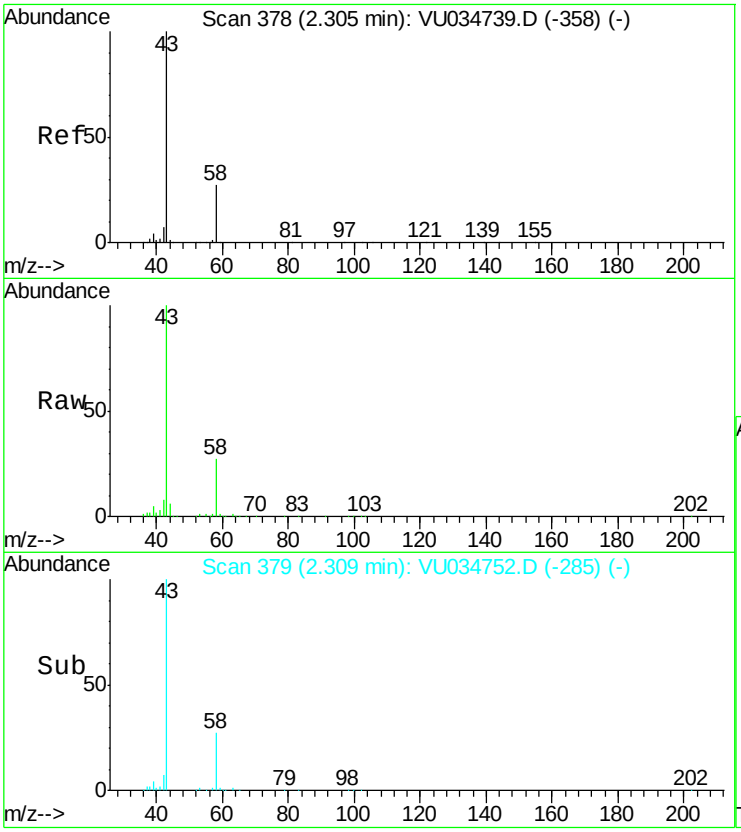
Quant Time: Sep 24 05:23:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 03:36:55 2019
Response via : Initial Calibration



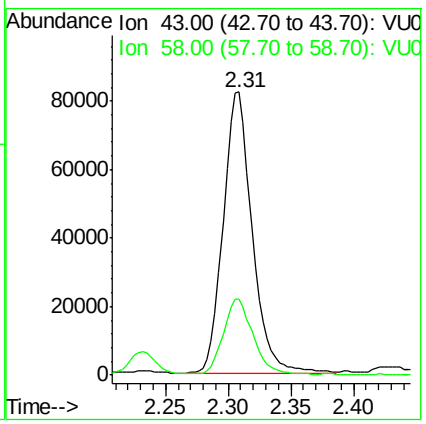


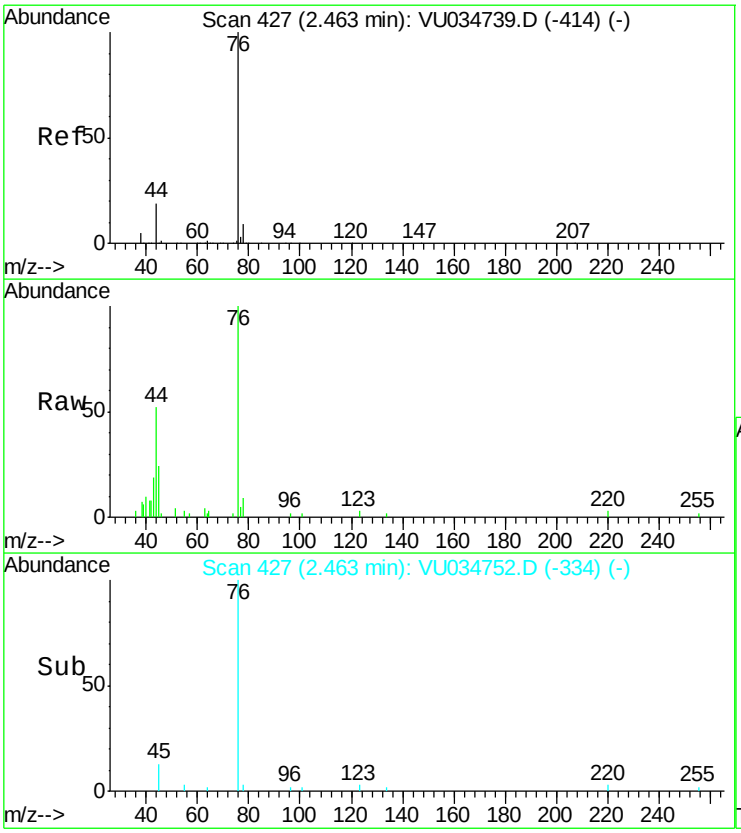
#13
Acetone
Concen: 28.599 ug/L
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VU034752.D
Acq: 23 Sep 2019 22:53

Instrument :
MSVOA_U
ClientSampleId :
BFDH0

Tgt Ion: 43 Resp: 132093

Ion	Ratio	Lower	Upper
43	100		
58	28.4	0.0	53.4

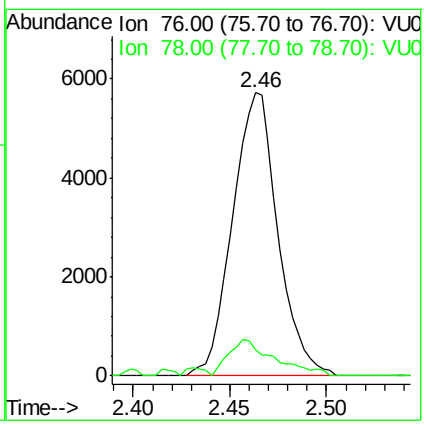


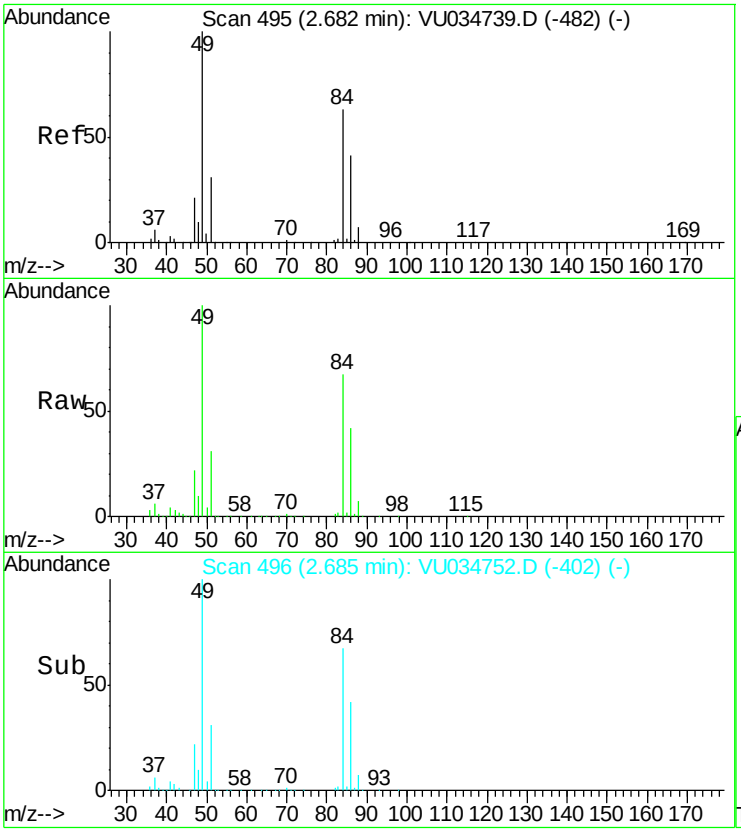


#14
Carbon disulfide
Concen: 0.836 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034752.D
Acq: 23 Sep 2019 22:53

Tgt Ion: 76 Resp: 9337

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.9	10.3



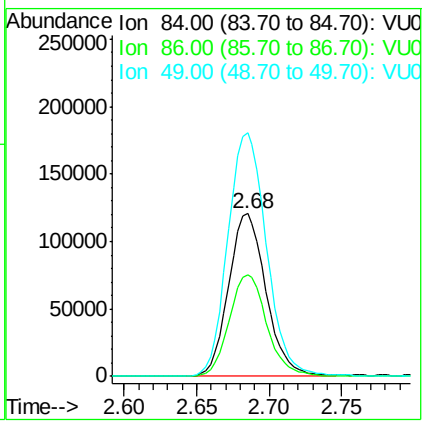


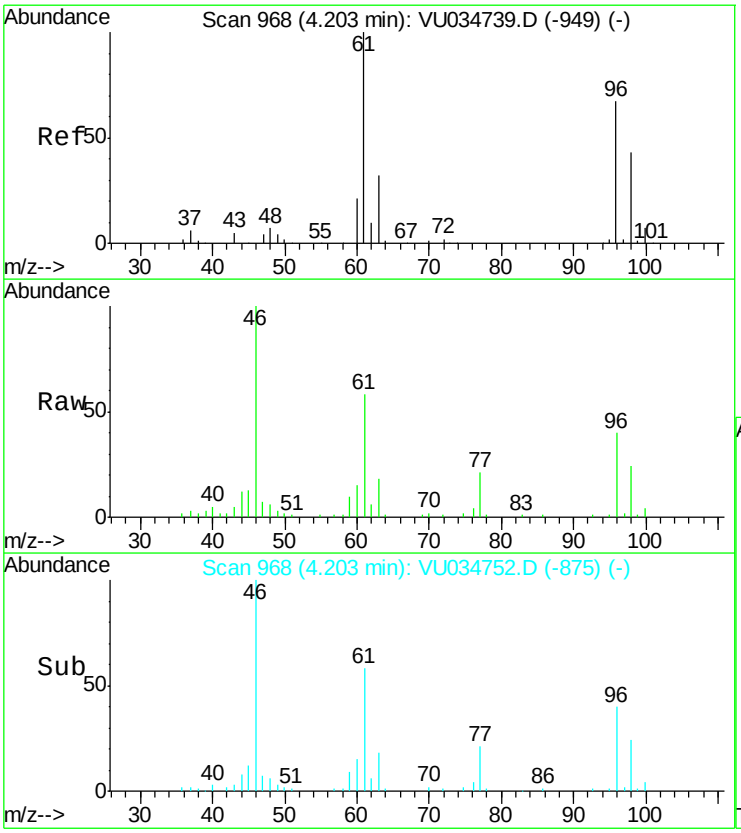
#16
Methylene chloride
Concen: 51.717 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034752.D
Acq: 23 Sep 2019 22:53

Instrument : MSVOA_U
ClientSampleId : BFDH0

Tgt Ion: 84 Resp: 216907

Ion	Ratio	Lower	Upper
84	100		
86	62.7	43.0	80.0
49	150.0	109.7	203.7

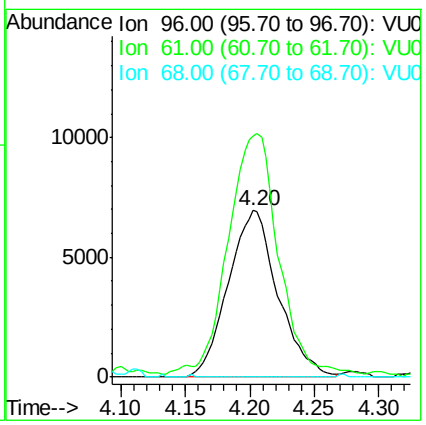


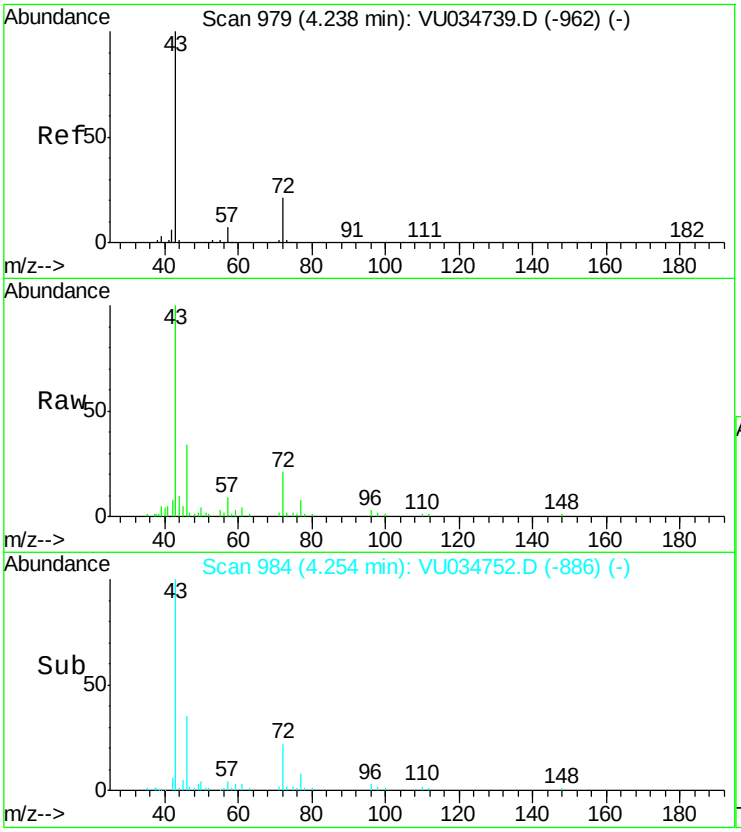


#20
cis-1,2-Dichloroethene
Concen: 4.409 ug/L
RT: 4.20 min Scan# 968
Delta R.T. -0.00 min
Lab File: VU034752.D
Acq: 23 Sep 2019 22:53

Tgt Ion: 96 Resp: 18661

Ion	Ratio	Lower	Upper
96	100		
61	145.0	108.8	202.2
68	0.0	0.0	0.0



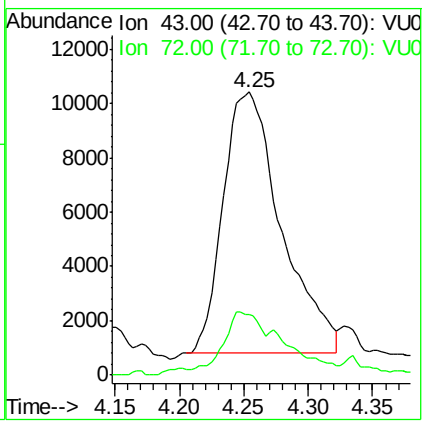


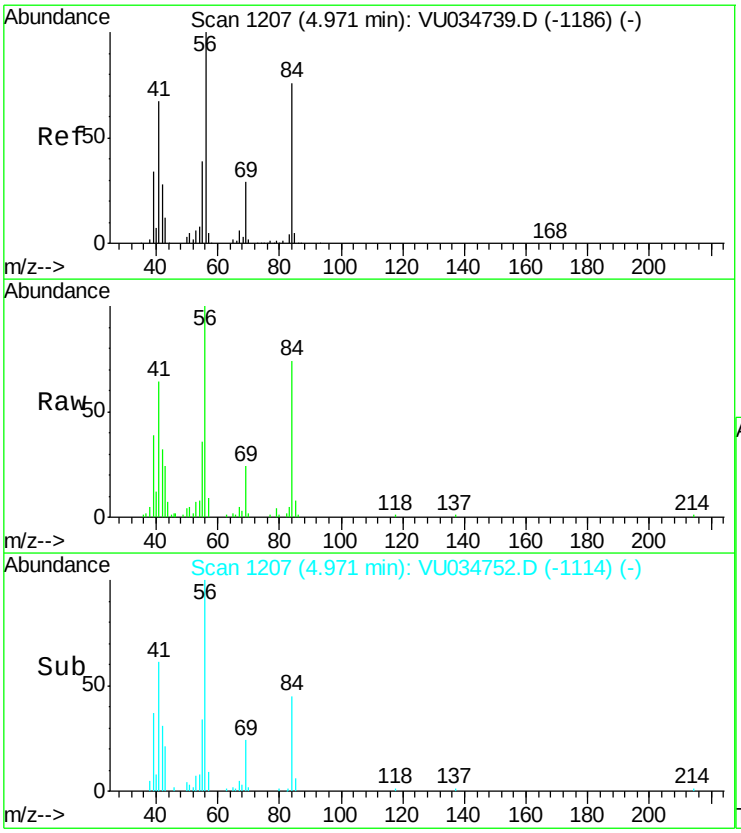
#22
2-Butanone
Concen: 5.471 ug/L
RT: 4.25 min Scan# 984
Delta R.T. 0.02 min
Lab File: VU034752.D
Acq: 23 Sep 2019 22:53

Instrument : MSVOA_U
ClientSampleId : BFDH0

Tgt Ion: 43 Resp: 30064

Ion	Ratio	Lower	Upper
43	100		
72	12.0	10.2	30.6

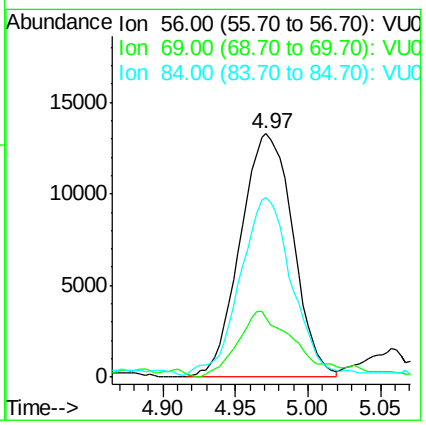


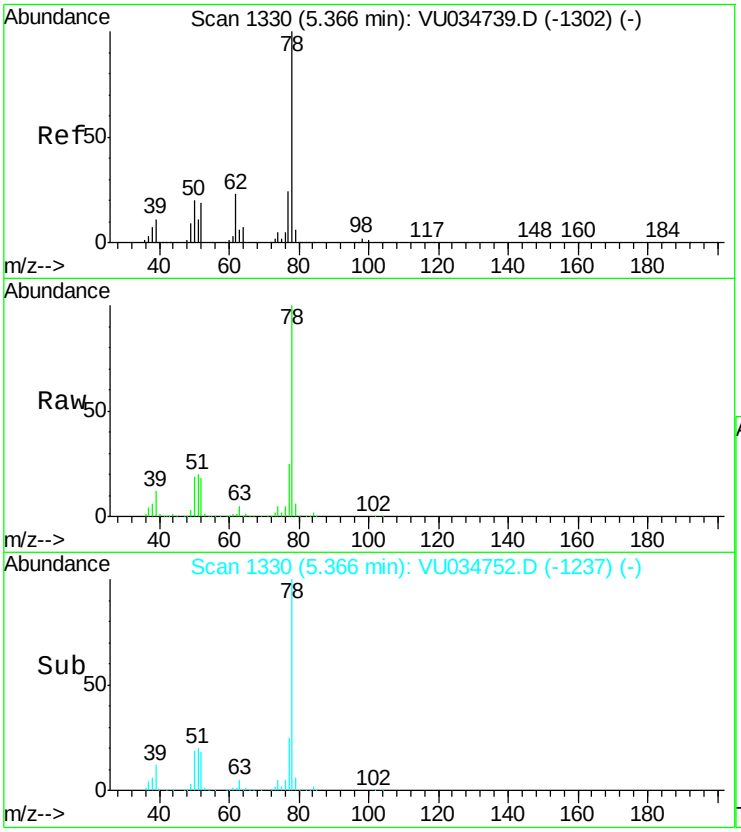


#29
Cyclohexane
Concen: 4.320 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034752.D
Acq: 23 Sep 2019 22:53

Tgt Ion: 56 Resp: 33594

Ion	Ratio	Lower	Upper
56	100		
69	28.8	21.7	32.5
84	68.0	58.8	88.2

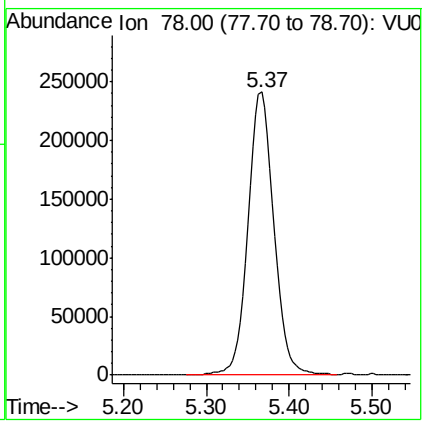


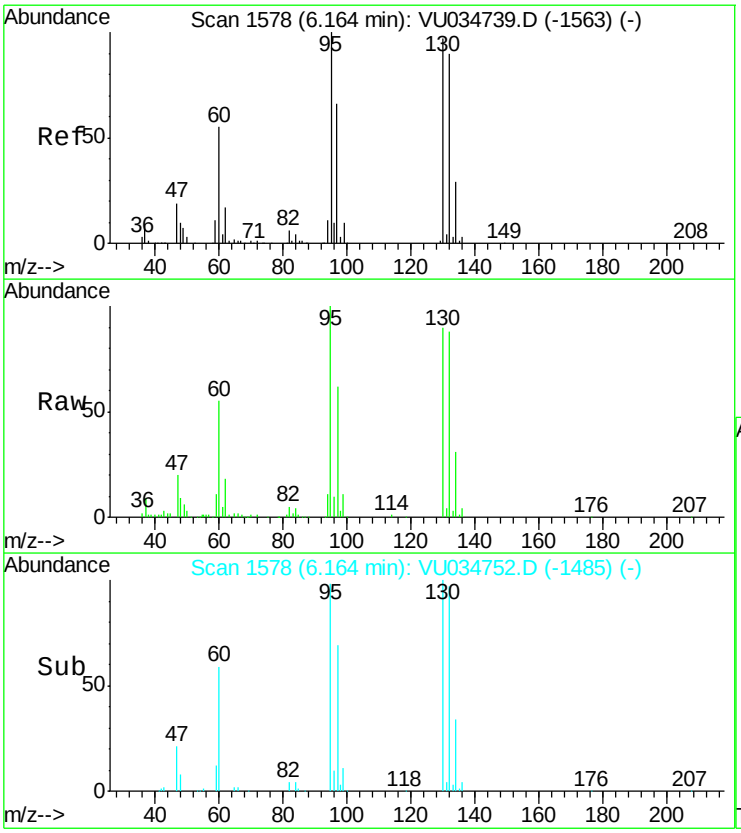


#33
Benzene
Concen: 31.985 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034752.D
Acq: 23 Sep 2019 22:53

Instrument :
MSVOA_U
ClientSampleId :
BFDH0

Tgt Ion: 78 Resp: 522592

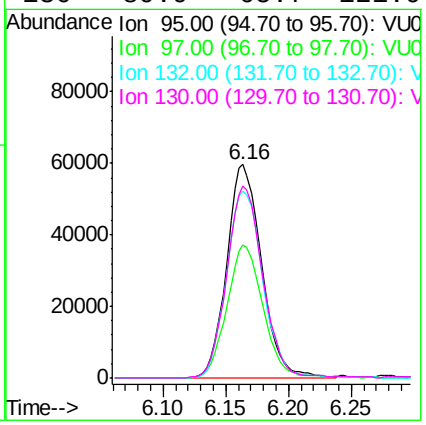


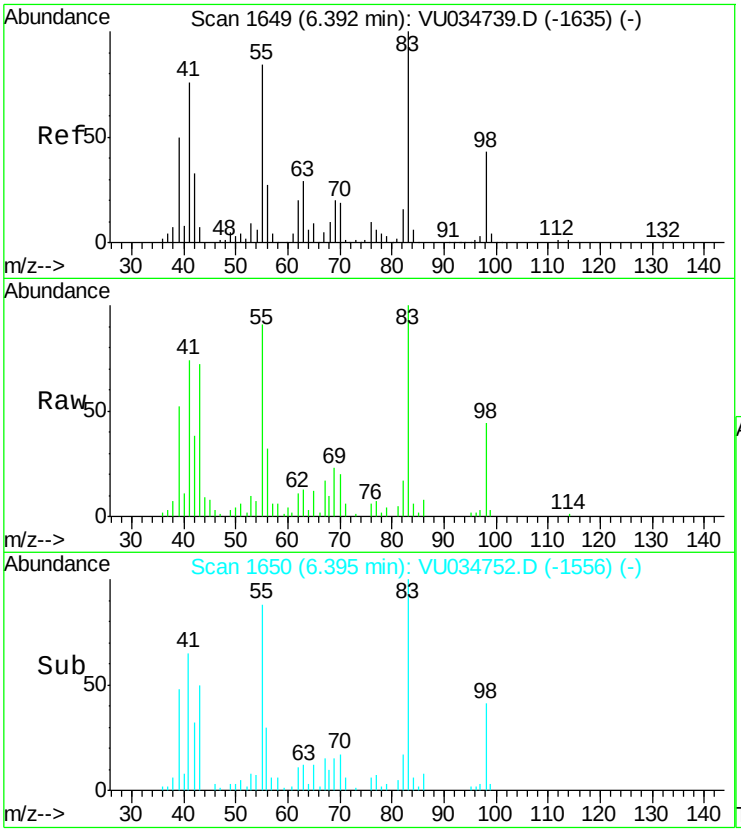


#34
Trichloroethene
Concen: 28.697 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VU034752.D
Acq: 23 Sep 2019 22:53

Tgt Ion: 95 Resp: 115796

Ion	Ratio	Lower	Upper
95	100		
97	62.5	43.7	81.1
132	87.6	61.0	113.2
130	89.9	65.7	121.9



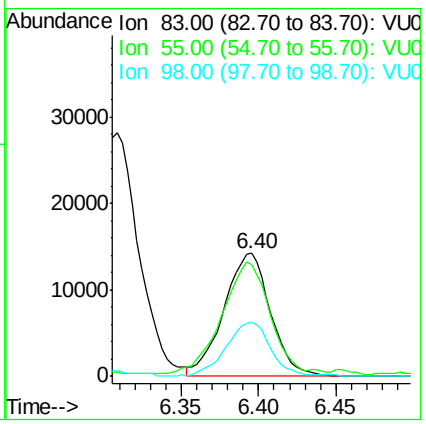


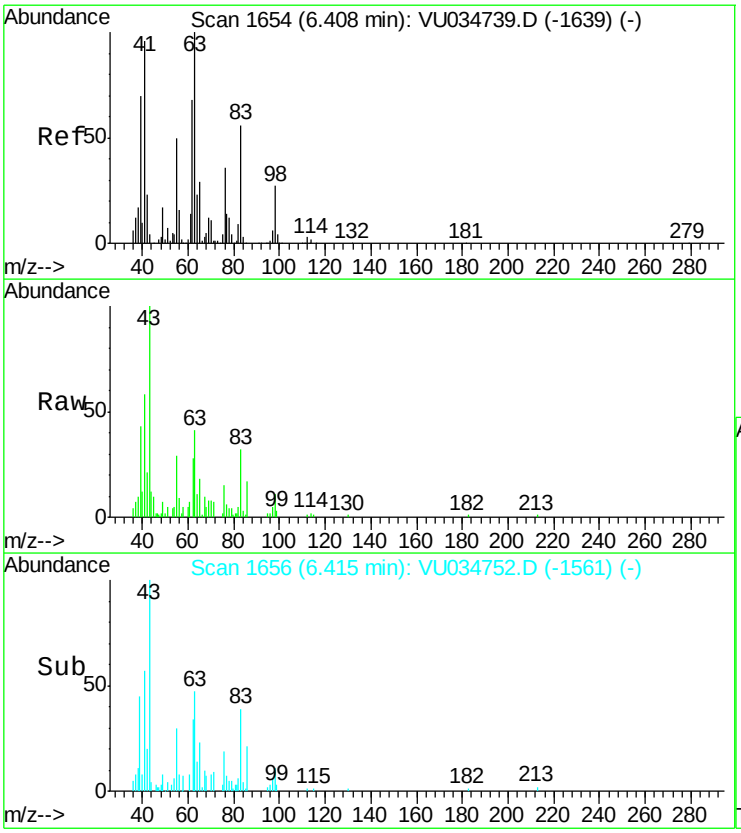
#35
Methylcyclohexane
Concen: 4.352 ug/L
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034752.D
Acq: 23 Sep 2019 22:53

Instrument : MSVOA_U
ClientSampleId : BFDH0

Tgt Ion: 83 Resp: 29798

Ion	Ratio	Lower	Upper
83	100		
55	92.1	71.6	107.4
98	42.1	35.7	53.5

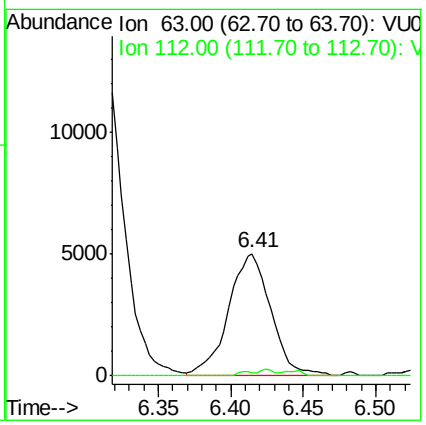


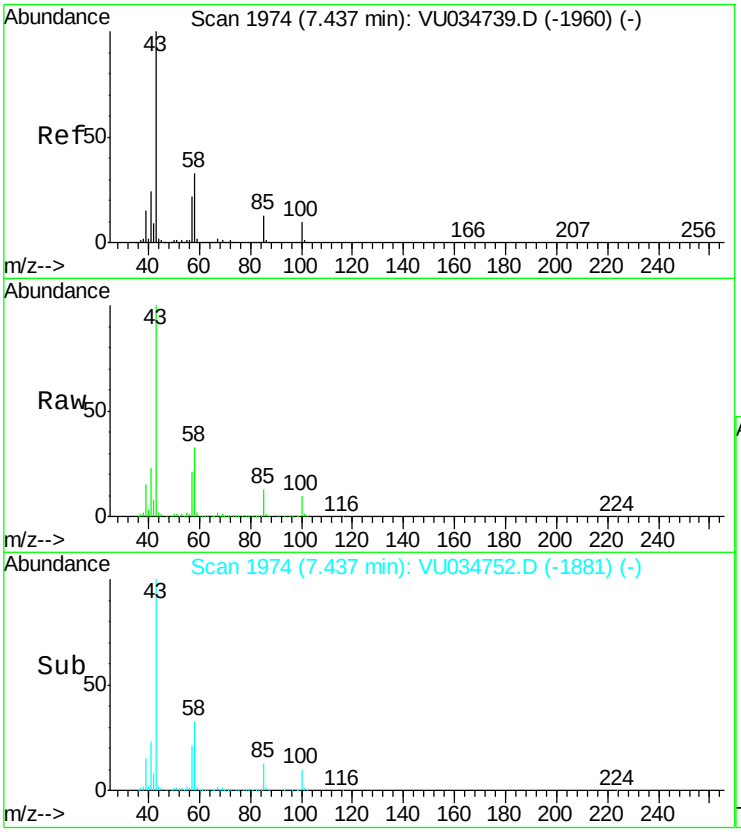


#37
1,2-Dichloropropane
Concen: 2.103 ug/L
RT: 6.41 min Scan# 1656
Delta R.T. 0.01 min
Lab File: VU034752.D
Acq: 23 Sep 2019 22:53

Tgt Ion: 63 Resp: 10231

Ion	Ratio	Lower	Upper
63	100		
112	1.1	2.4	3.6#



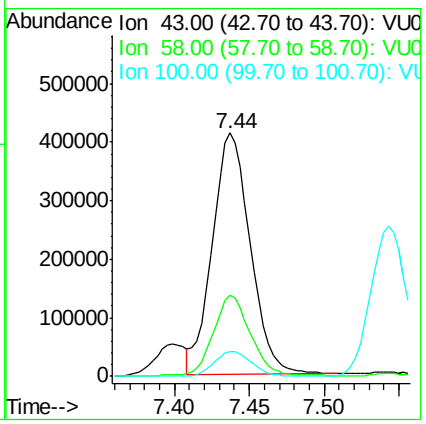


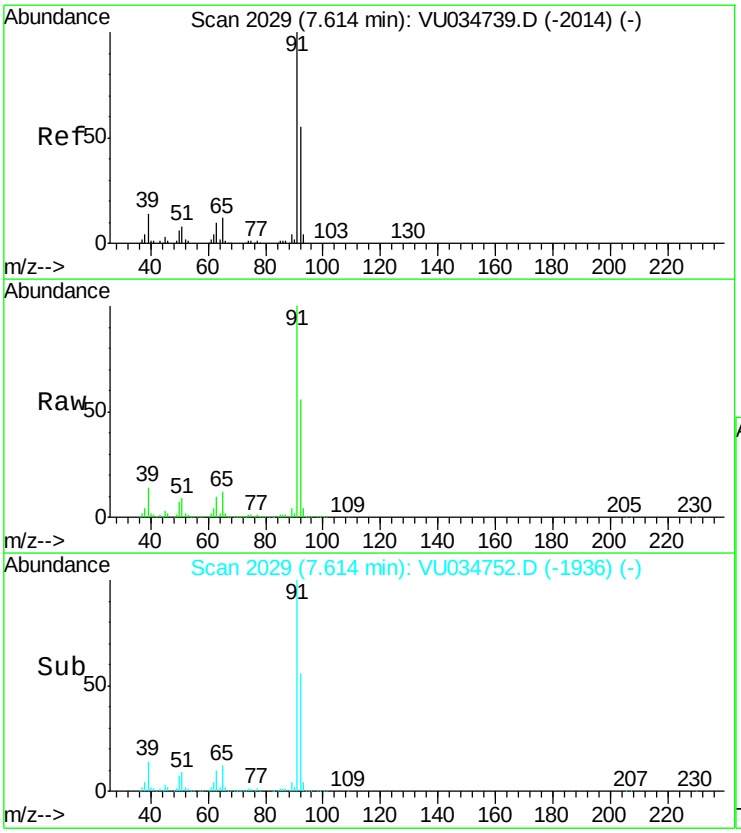
#40
4-Methyl-2-pentanone
Concen: 77.997 ug/L
RT: 7.44 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VU034752.D
Acq: 23 Sep 2019 22:53

Instrument : MSVOA_U
ClientSampleId : BFDH0

Tgt Ion: 43 Resp: 724453

Ion	Ratio	Lower	Upper
43	100		
58	33.9	25.2	37.8
100	10.3	7.7	11.5

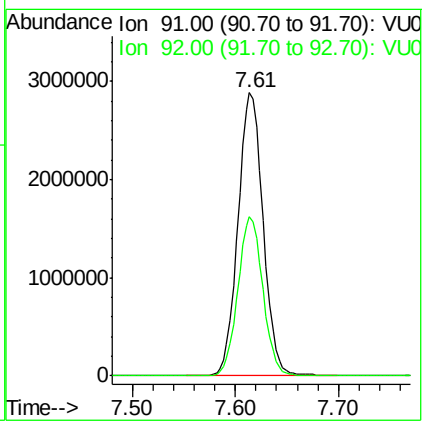


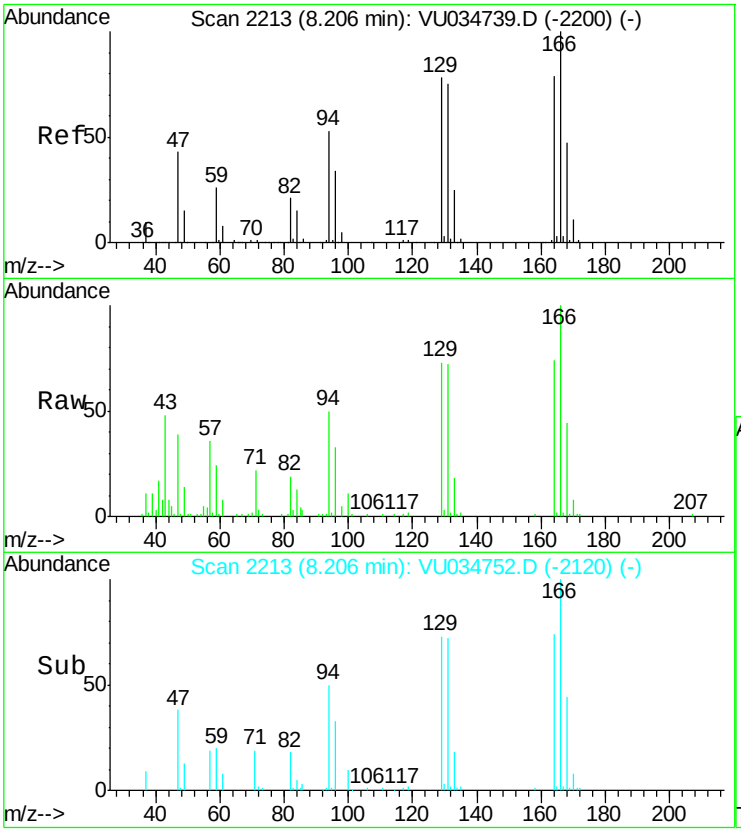


#42
Toluene
Concen: 277.381 ug/L
RT: 7.61 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VU034752.D
Acq: 23 Sep 2019 22:53

Tgt Ion: 91 Resp: 4897896

Ion	Ratio	Lower	Upper
91	100		
92	56.1	38.2	71.0



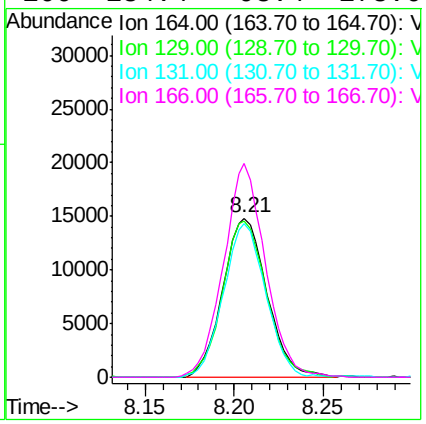


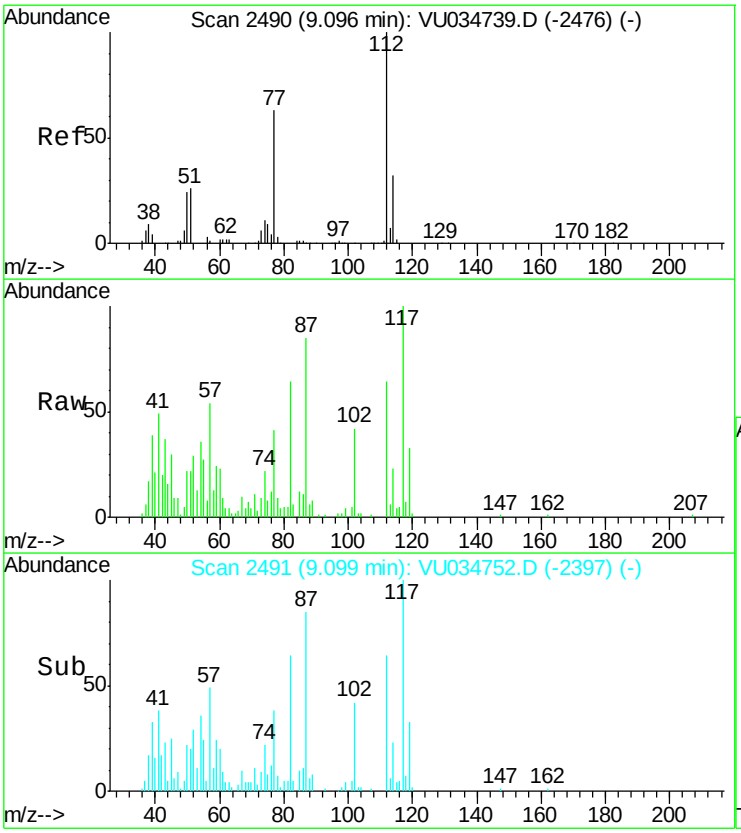
#46
Tetrachloroethene
Concen: 9.008 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VU034752.D
Acq: 23 Sep 2019 22:53

Instrument : MSVOA_U
ClientSampleId : BFDH0

Tgt Ion:164 Resp: 25569

Ion	Ratio	Lower	Upper
164	100		
129	98.6	71.9	133.5
131	97.1	66.3	123.1
166	134.4	93.4	173.6

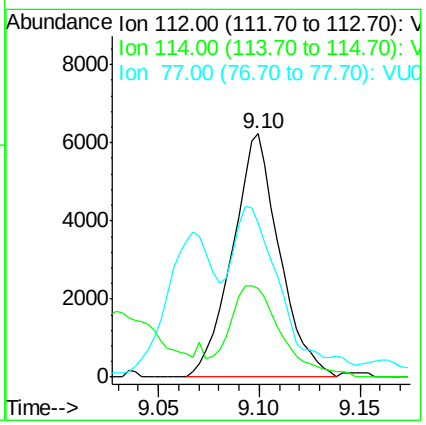


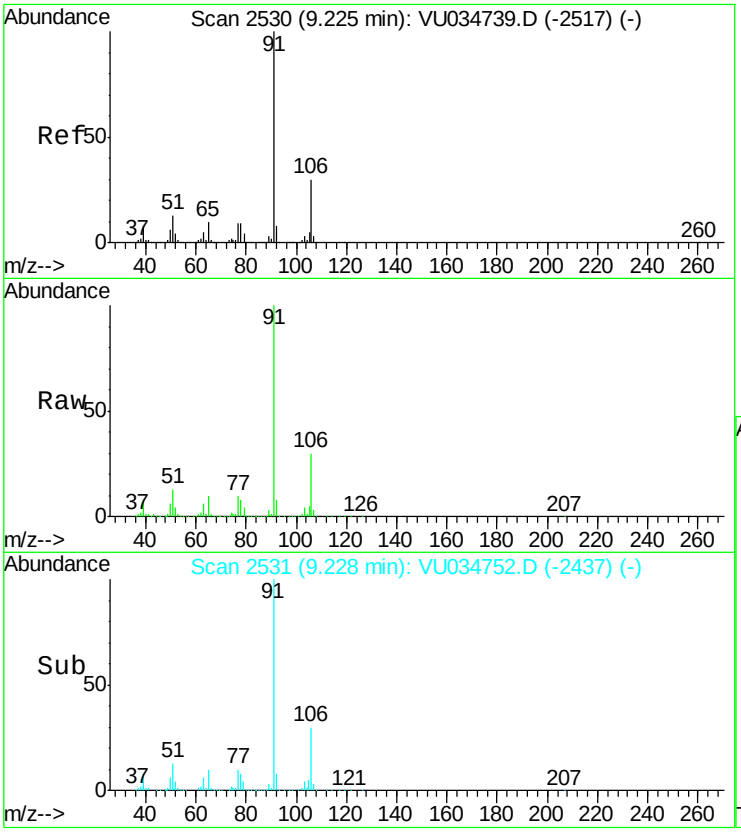


#51
Chlorobenzene
Concen: 0.946 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034752.D
Acq: 23 Sep 2019 22:53

Tgt Ion:112 Resp: 10158

Ion	Ratio	Lower	Upper
112	100		
114	36.5	22.8	42.4
77	63.4	51.5	77.3



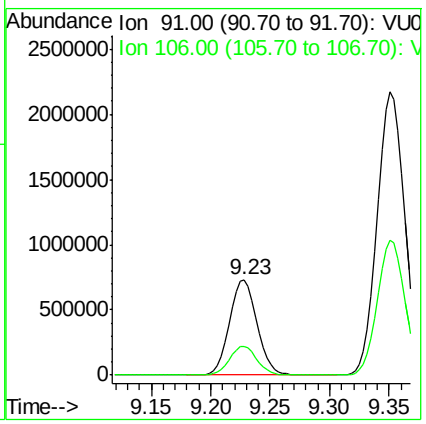


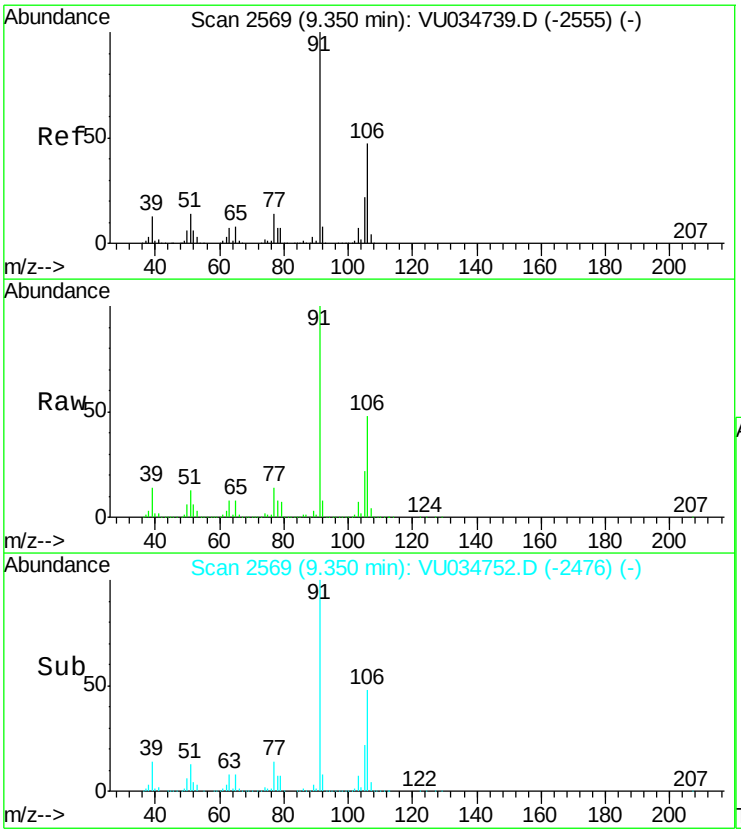
#52
Ethylbenzene
Concen: 59.309 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034752.D
Acq: 23 Sep 2019 22:53

Instrument : MSVOA_U
ClientSampleId : BFDH0

Tgt Ion: 91 Resp: 1179294

Ion	Ratio	Lower	Upper
91	100		
106	30.4	20.6	38.4

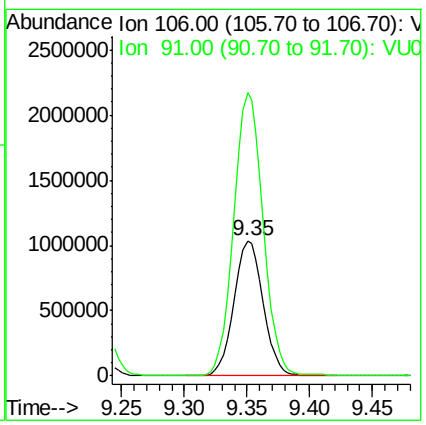


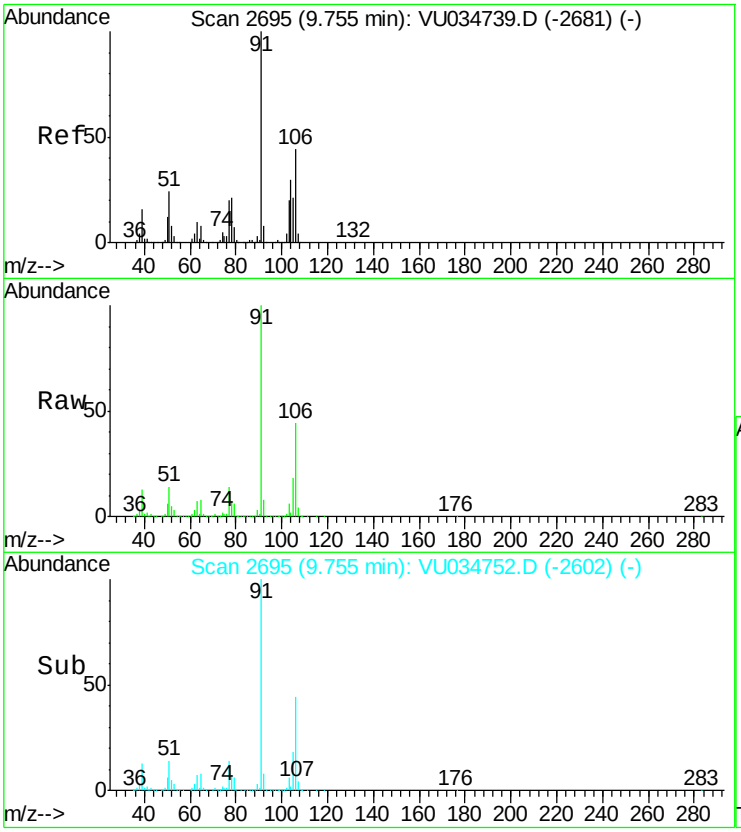


#53
m,p-Xylene
Concen: 237.627 ug/L
RT: 9.35 min Scan# 2569
Delta R.T. 0.00 min
Lab File: VU034752.D
Acq: 23 Sep 2019 22:53

Tgt Ion:106 Resp: 1673561

Ion	Ratio	Lower	Upper
106	100		
91	209.1	146.9	272.7



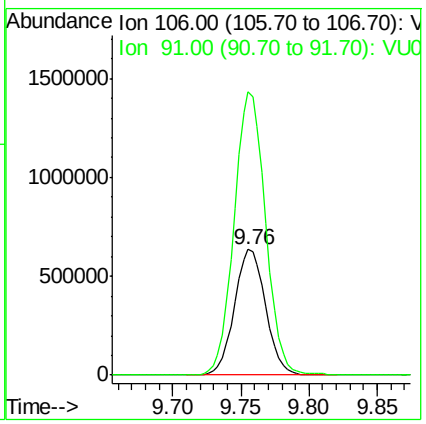


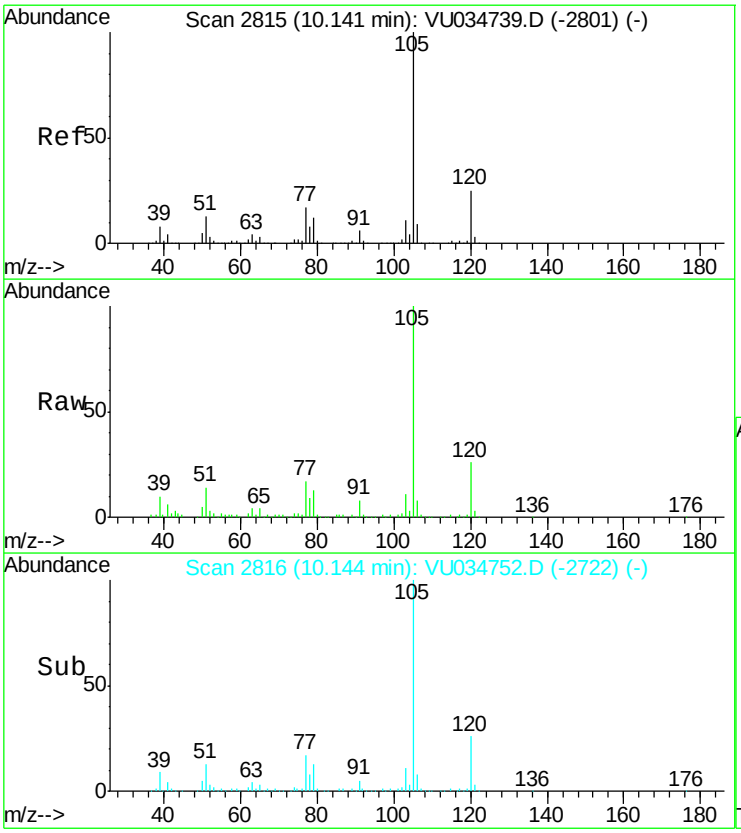
#54
o-xylene
Concen: 144.651 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU034752.D
Acq: 23 Sep 2019 22:53

Instrument :
MSVOA_U
ClientSampleId :
BFDH0

Tgt Ion:106 Resp: 1007629

Ion	Ratio	Lower	Upper
106	100		
91	225.4	155.6	289.0

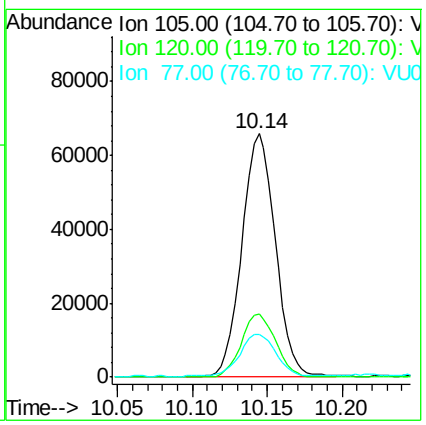


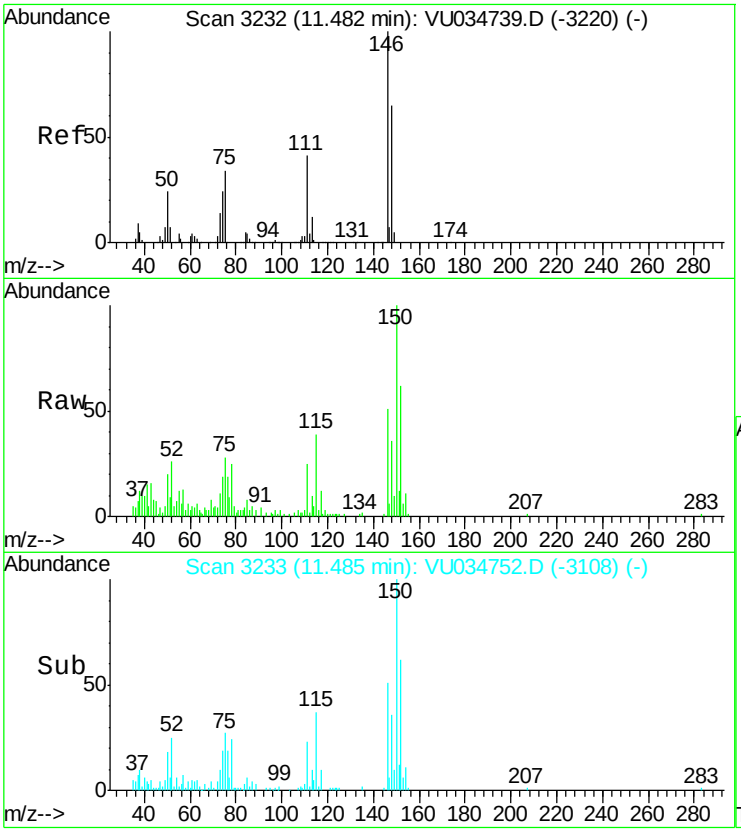


#56
Isopropylbenzene
Concen: 5.473 ug/L
RT: 10.14 min Scan# 2816
Delta R.T. 0.00 min
Lab File: VU034752.D
Acq: 23 Sep 2019 22:53

Tgt Ion:105 Resp: 102792

Ion	Ratio	Lower	Upper
105	100		
120	26.5	20.4	30.6
77	18.3	14.2	21.4



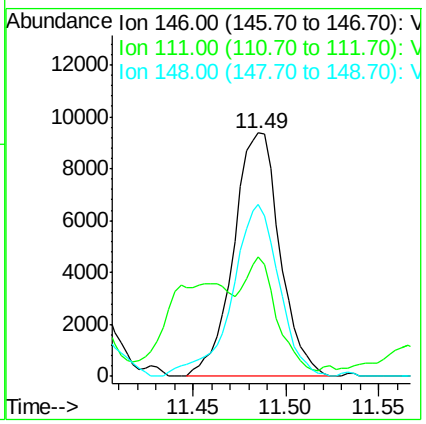


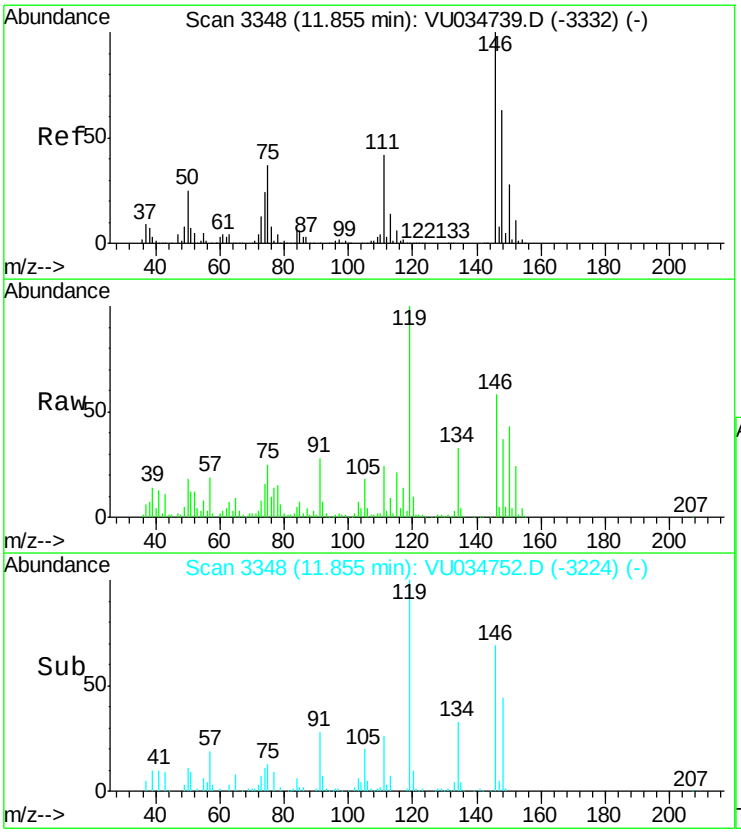
#63
1,4-Dichlorobenzene
Concen: 1.944 ug/L
RT: 11.49 min Scan# 3233
Delta R.T. 0.00 min
Lab File: VU034752.D
Acq: 23 Sep 2019 22:53

Instrument : MSVOA_U
ClientSampleId : BFDH0

Tgt Ion:146 Resp: 16246

Ion	Ratio	Lower	Upper
146	100		
111	49.2	29.5	54.9
148	70.5	44.4	82.4





#65
1,2-Dichlorobenzene
Concen: 16.451 ug/L
RT: 11.85 min Scan# 3348
Delta R.T. 0.00 min
Lab File: VU034752.D
Acq: 23 Sep 2019 22:53

Tgt Ion:146 Resp: 136362

Ion	Ratio	Lower	Upper
146	100		
111	41.9	35.2	52.8
148	63.5	53.0	79.6