Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDG8

Manual Integrations APPROVED
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9/24/2019 12:48:20 PM

Quant Time: Sep 24 16:27:20 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	494055	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	467391	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	224480	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	204684	40.47	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 80.94%			
7) Chloroethane-d5	1.67	69	169046	43.24	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 86.48%			
11) 1,1-Dichloroethene-d2	2.26	63	285048	33.28	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 66.56%			
21) 2-Butanone-d5	4.15	46	359603	92.77	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 92.77%			
24) Chloroform-d	4.65	84	19260	2.62	ug/L	0.02
Spiked Amount 50.000	Range 70 - 125		Recovery = 5.24%#			
26) 1,2-Dichloroethane-d4	5.29	65	265411	49.10	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.20%			
32) Benzene-d6	5.32	84	734928	50.73	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.46%			
36) 1,2-Dichloropropane-d6	6.31	67	259904	51.33	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 102.66%			
41) Toluene-d8	7.54	98	697354	50.60	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.20%			
43) trans-1,3-Dichloropropene-	7.83	79	120893	49.85	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 99.70%			
47) 2-Hexanone-d5	8.29	63	210350	82.71	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 82.71%			
57) 1,1,2,2-Tetrachloroethane-	10.40	84	2508m	0.36	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 0.72%#			
64) 1,2-Dichlorobenzene-d4	11.84	152	255123	54.20	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.40%			
Target Compounds						Qvalue
13) Acetone	2.31	43	67837	15.044	ug/L	97
16) Methylene chloride	2.69	84	132415	32.339	ug/L	99
20) cis-1,2-Dichloroethene	4.21	96	12643	3.060	ug/L	83
22) 2-Butanone	4.25	43	19715	3.675	ug/L	91
25) Chloroform	4.65	83	340900	42.700	ug/L	100
29) Cyclohexane	4.97	56	26852	3.481	ug/L	99
33) Benzene	5.37	78	410105	25.299	ug/L	100
34) Trichloroethene	6.16	95	71783	17.930	ug/L	94
35) Methylcyclohexane	6.39	83	24850	3.658	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	211205	22.919	ug/L	98
42) Toluene	7.61	91	2243972	128.089	ug/L	98
46) Tetrachloroethene	8.21	164	12770	4.535	ug/L	97
51) Chlorobenzene	9.10	112	11311	1.062	ug/L	99
52) Ethylbenzene	9.23	91	578399	29.319	ug/L	99
53) m,p-Xylene	9.35	106	843618	120.733	ug/L	98
54) o-xylene	9.76	106	516448	74.727	ug/L	98
56) Isopropylbenzene	10.14	105	61065	3.277	ug/L	98

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Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,4-Dichlorobenzene	11.48	146	12931	1.633	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	89395	11.381	ug/L	99

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

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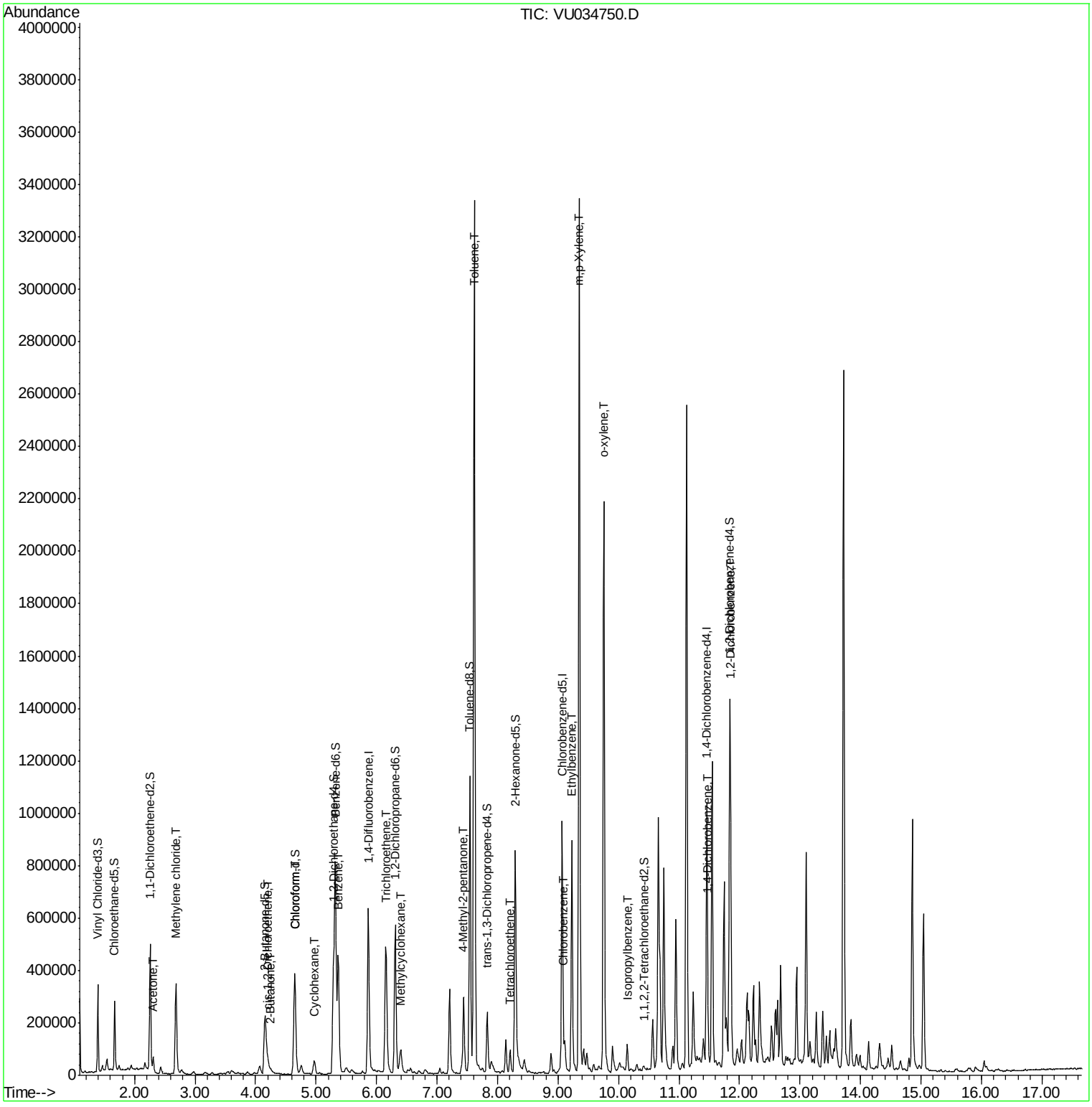
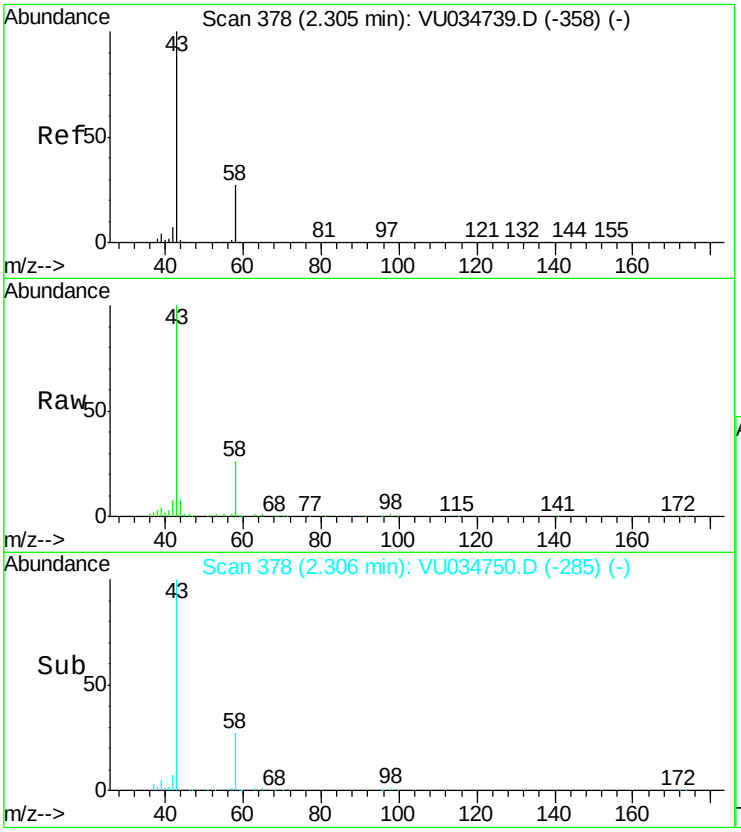
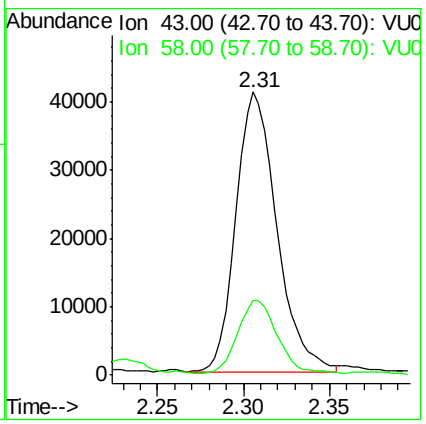




#13
Acetone
Concen: 15.044 ug/L
RT: 2.31 min Scan# 378
Delta R.T. 0.00 min
Lab File: VU034750.D
Acq: 23 Sep 2019 22:06

Tgt Ion: 43 Resp: 67837

Ion	Ratio	Lower	Upper
43	100		
58	25.1	0.0	53.4



Instrument :
MSVOA_U
ClientSampleId :
BFDG8

Manual Integrations APPROVED
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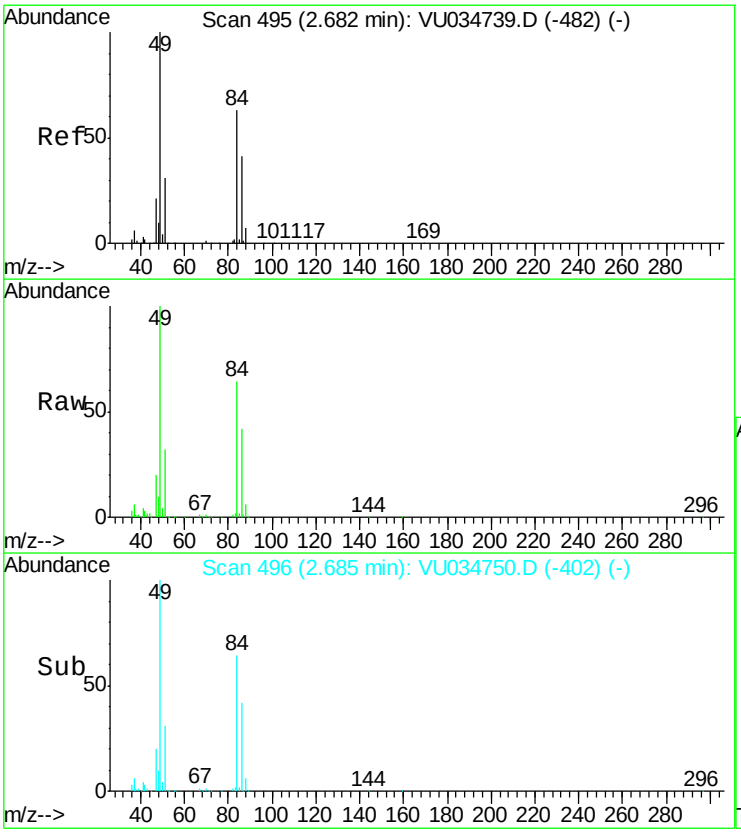
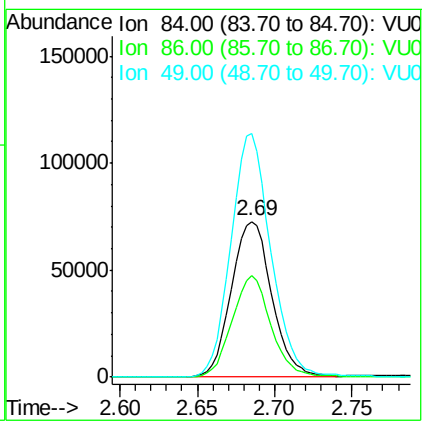
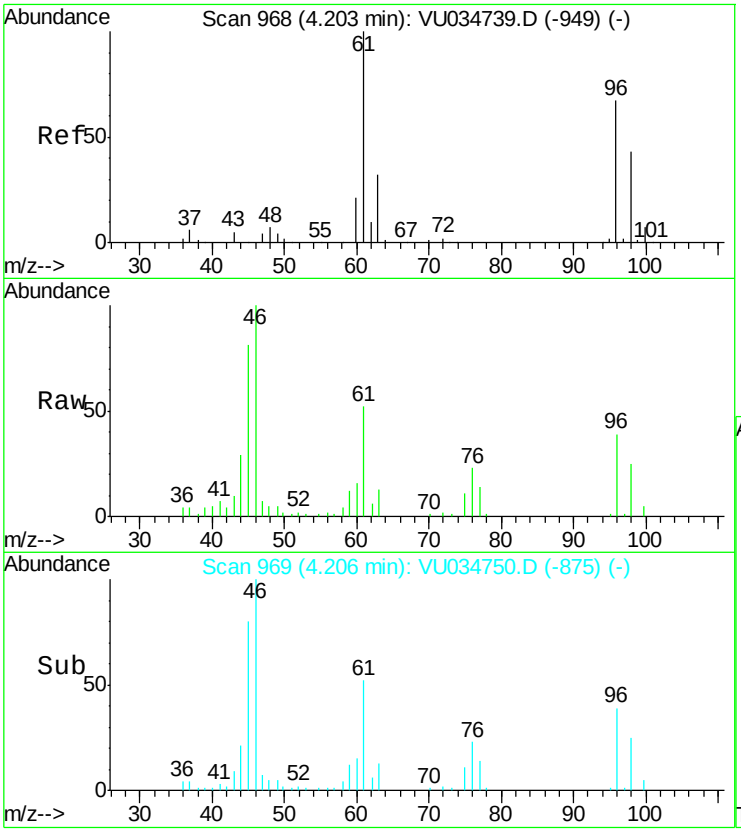


#16
Methylene chloride
Concen: 32.339 ug/L
RT: 2.69 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034750.D
Acq: 23 Sep 2019 22:06

Tgt Ion: 84 Resp: 132415

Ion	Ratio	Lower	Upper
84	100		
86	65.0	43.0	80.0
49	156.4	109.7	203.7

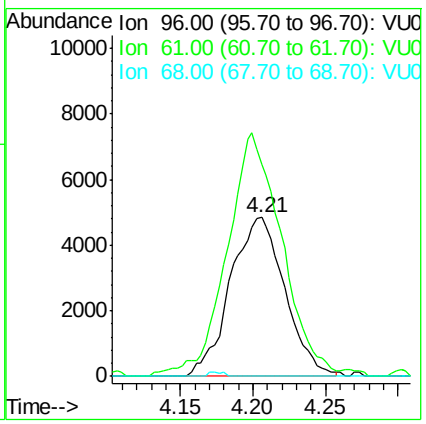




#20
cis-1,2-Dichloroethene
Concen: 3.060 ug/L
RT: 4.21 min Scan# 969
Delta R.T. 0.00 min
Lab File: VU034750.D
Acq: 23 Sep 2019 22:06

Tgt Ion: 96 Resp: 12643

Ion	Ratio	Lower	Upper
96	100		
61	133.2	108.8	202.2
68	0.0	0.0	0.0



Instrument :
MSVOA_U
ClientSampleId :
BFDG8

Manual Integrations APPROVED
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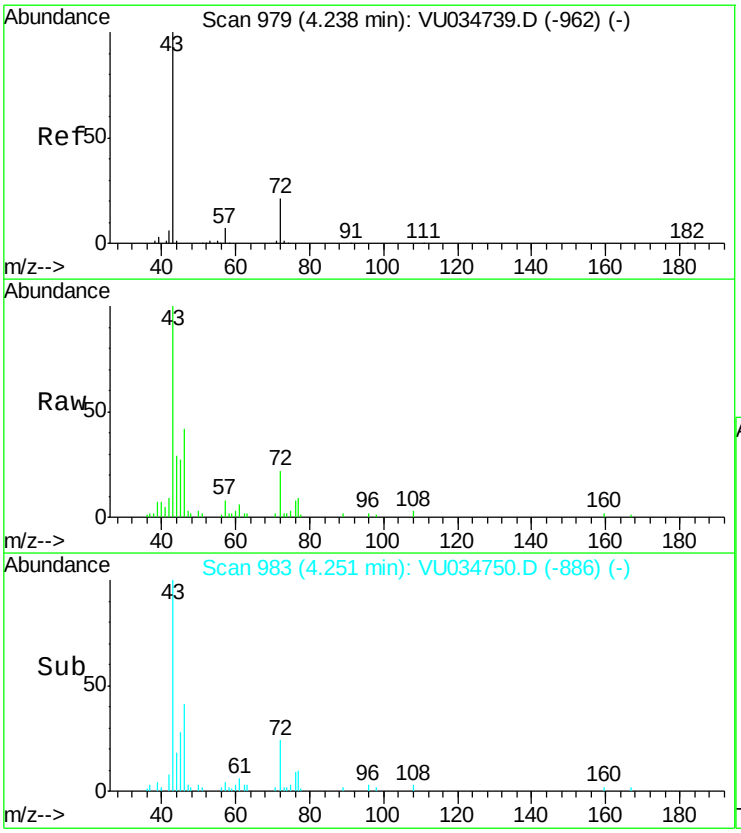
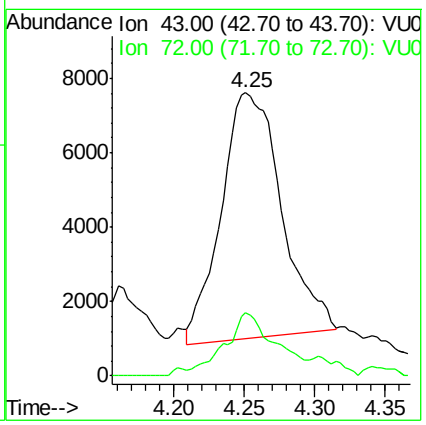
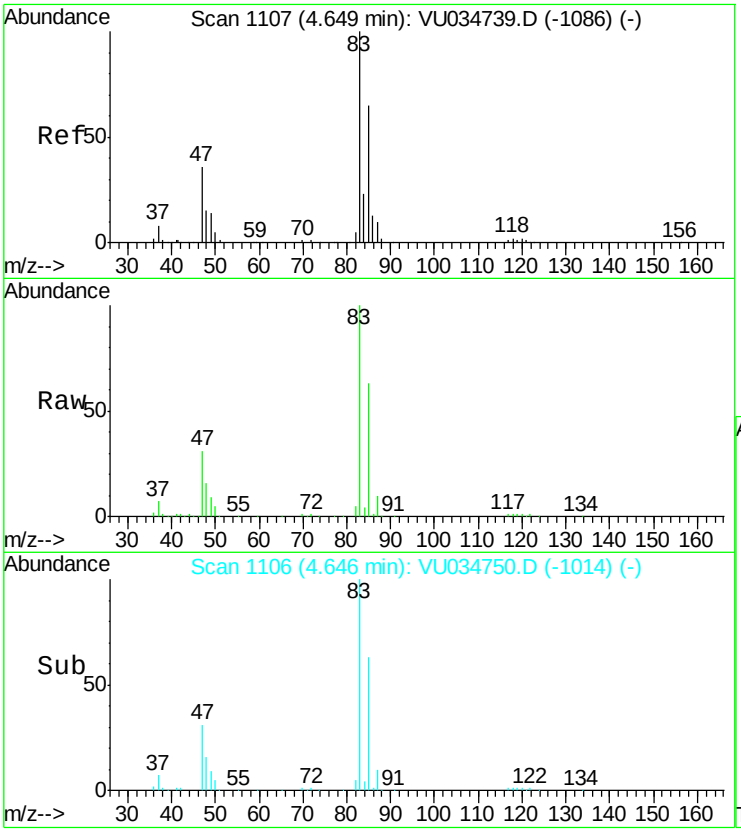


#22
2-Butanone
Concen: 3.675 ug/L
RT: 4.25 min Scan# 983
Delta R.T. 0.01 min
Lab File: VU034750.D
Acq: 23 Sep 2019 22:06

Tgt Ion: 43 Resp: 19715

Ion	Ratio	Lower	Upper
43	100		
72	16.0	10.2	30.6

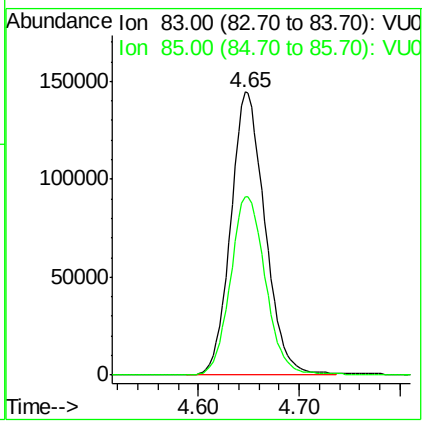




#25
Chloroform
Concen: 42.700 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU034750.D
Acq: 23 Sep 2019 22:06

Tgt Ion: 83 Resp: 340900

Ion	Ratio	Lower	Upper
83	100		
85	63.1	44.0	81.6



Instrument :
MSVOA_U
ClientSampleId :
BFDG8

Manual Integrations APPROVED
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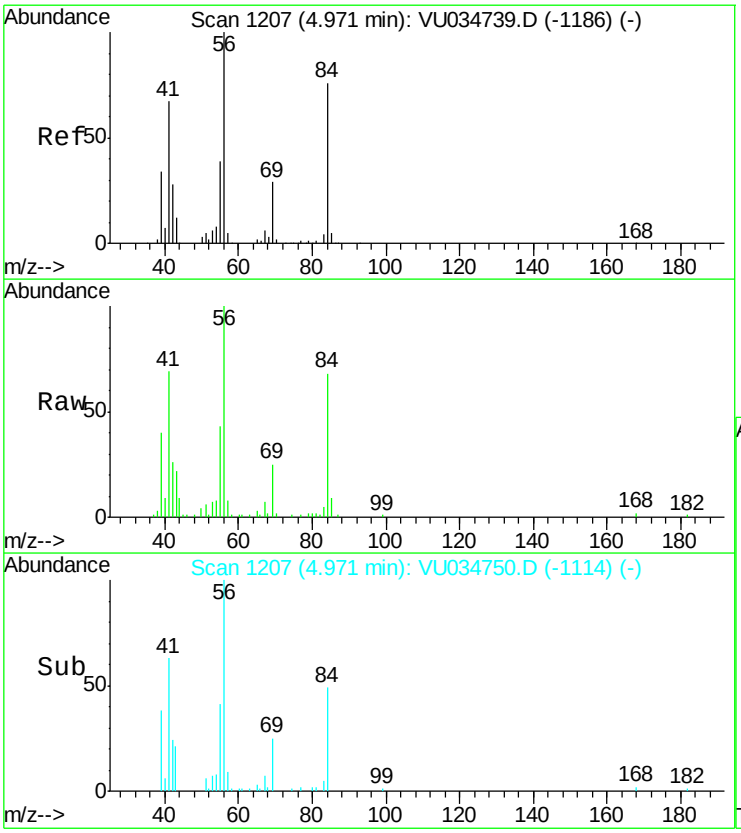
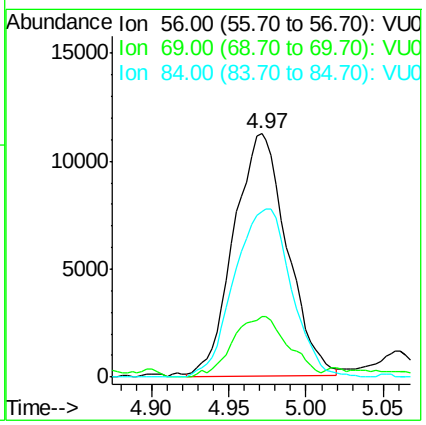
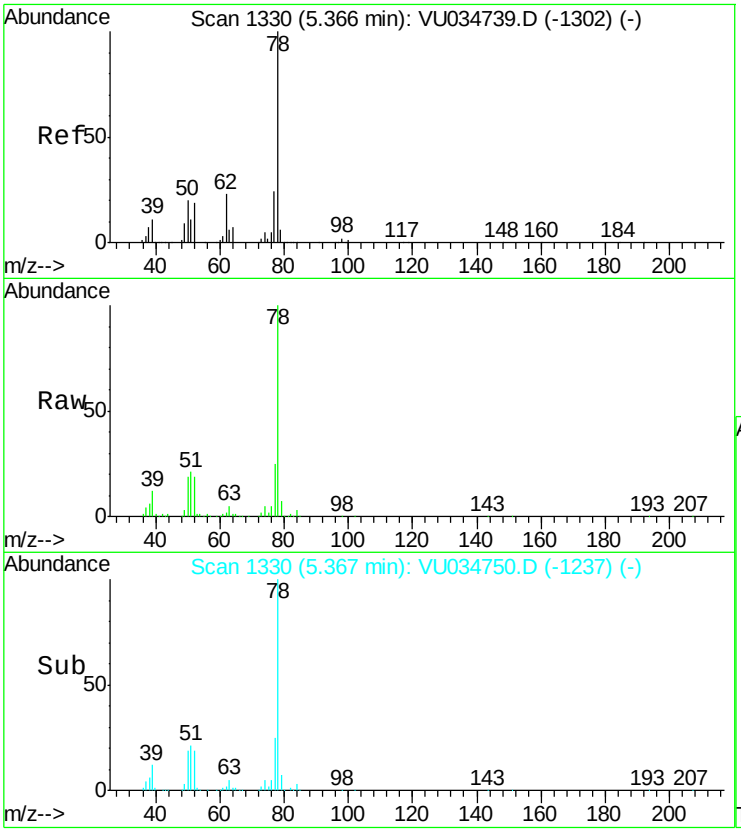


#29
Cyclohexane
Concen: 3.481 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034750.D
Acq: 23 Sep 2019 22:06

Tgt Ion: 56 Resp: 26852

Ion	Ratio	Lower	Upper
56	100		
69	25.7	21.7	32.5
84	74.4	58.8	88.2





#33
Benzene
Concen: 25.299 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034750.D
Acq: 23 Sep 2019 22:06

Tgt Ion: 78 Resp: 410105

Instrument :
MSVOA_U
ClientSampleId :
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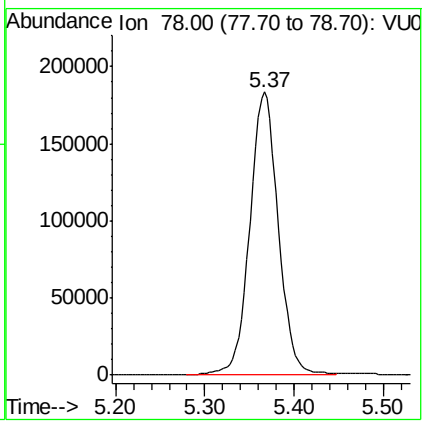
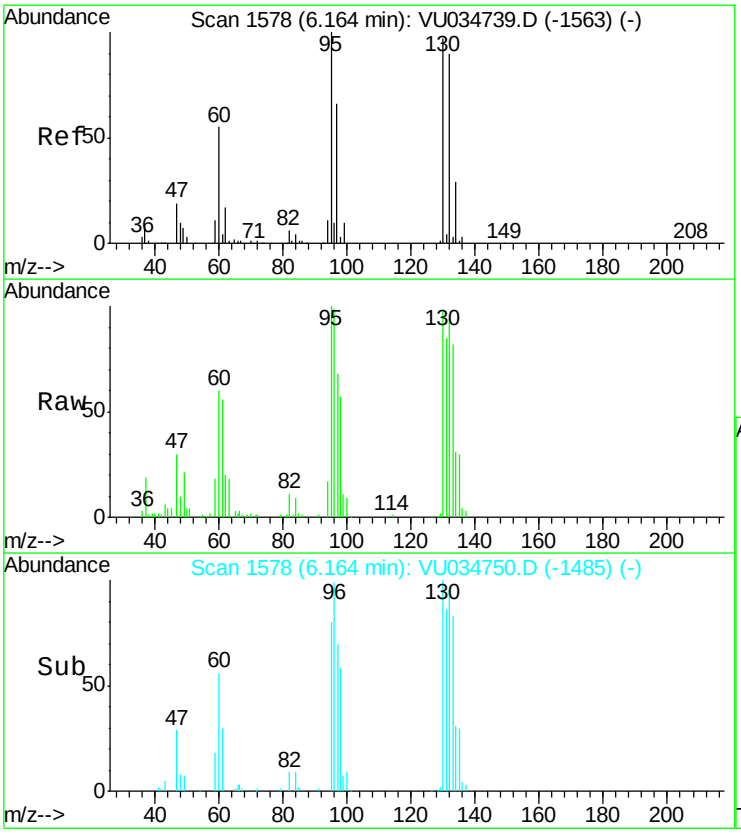
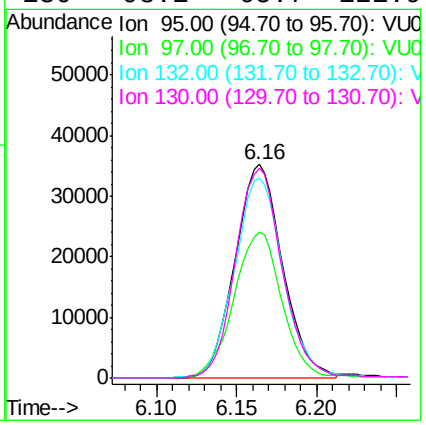


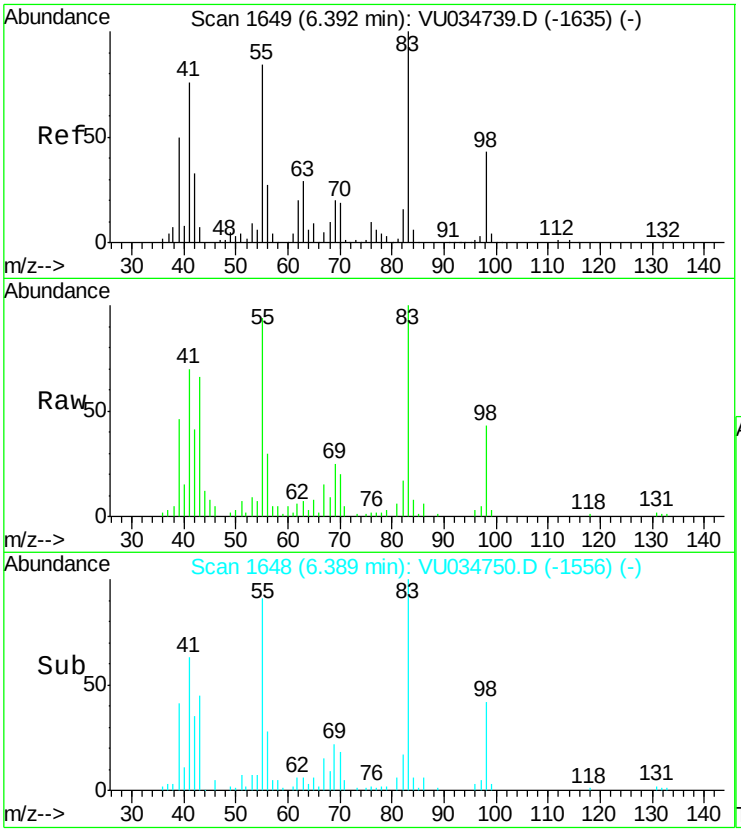


#34
Trichloroethene
Concen: 17.930 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VU034750.D
Acq: 23 Sep 2019 22:06

Tgt Ion: 95 Resp: 71783

Ion	Ratio	Lower	Upper
95	100		
97	68.4	43.7	81.1
132	93.6	61.0	113.2
130	98.1	65.7	121.9

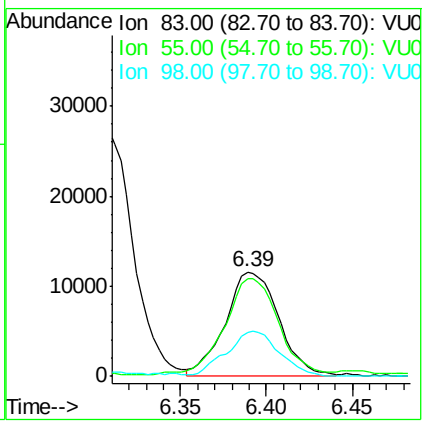




#35
Methylcyclohexane
Concen: 3.658 ug/L
RT: 6.39 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VU034750.D
Acq: 23 Sep 2019 22:06

Tgt Ion: 83 Resp: 24850

Ion	Ratio	Lower	Upper
83	100		
55	88.3	71.6	107.4
98	43.3	35.7	53.5



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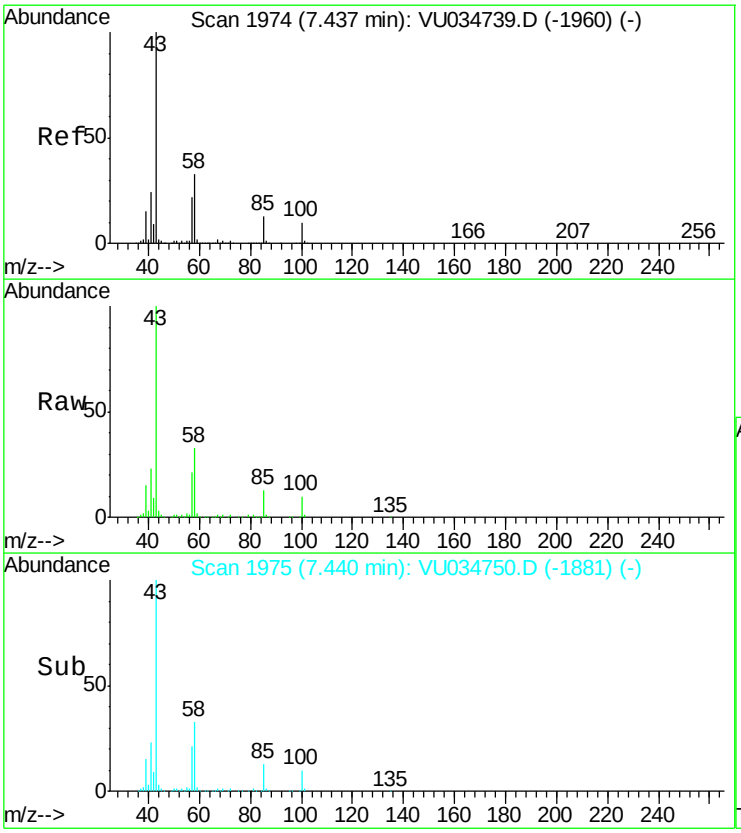
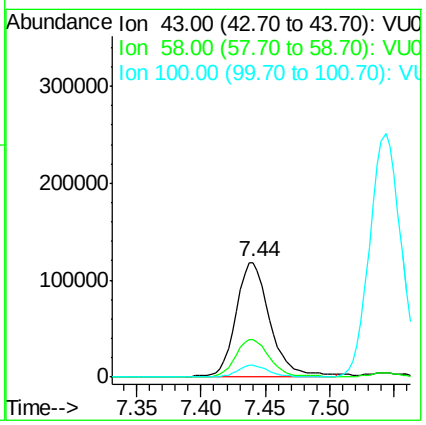
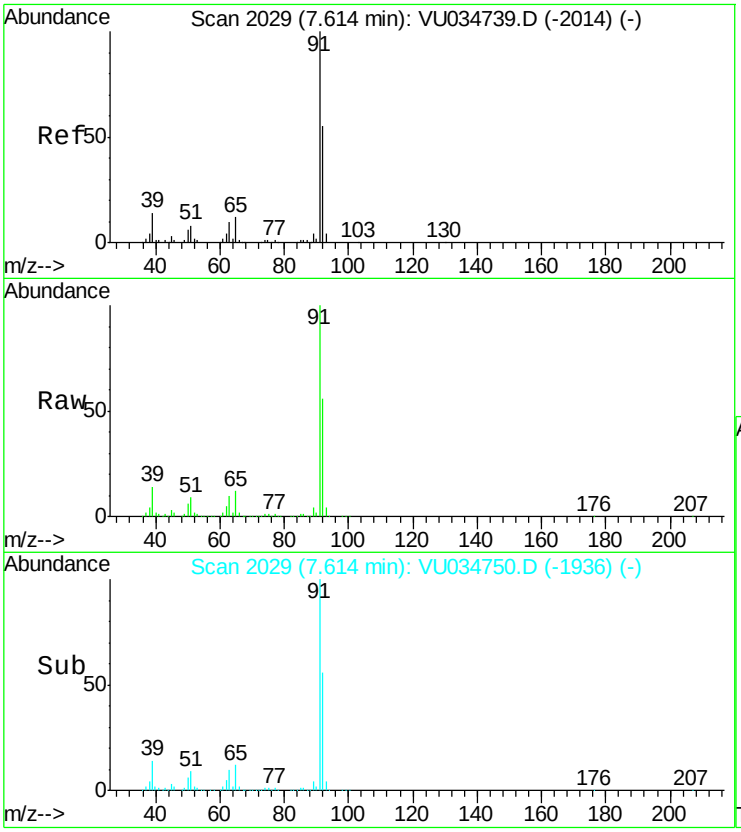


#40
4-Methyl-2-pentanone
Concen: 22.919 ug/L
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU034750.D
Acq: 23 Sep 2019 22:06

Tgt Ion: 43 Resp: 211205

Ion	Ratio	Lower	Upper
43	100		
58	33.0	25.2	37.8
100	9.8	7.7	11.5

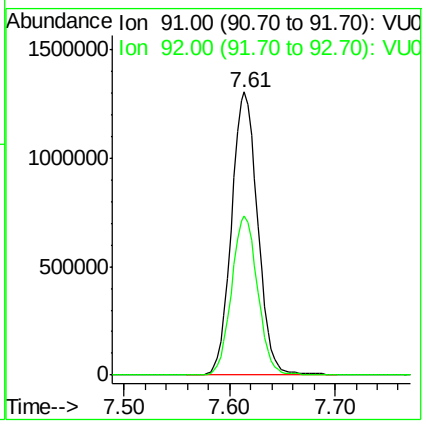




#42
Toluene
Concen: 128.089 ug/L
RT: 7.61 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VU034750.D
Acq: 23 Sep 2019 22:06

Tgt Ion: 91 Resp: 2243972

Ion	Ratio	Lower	Upper
91	100		
92	56.3	38.2	71.0



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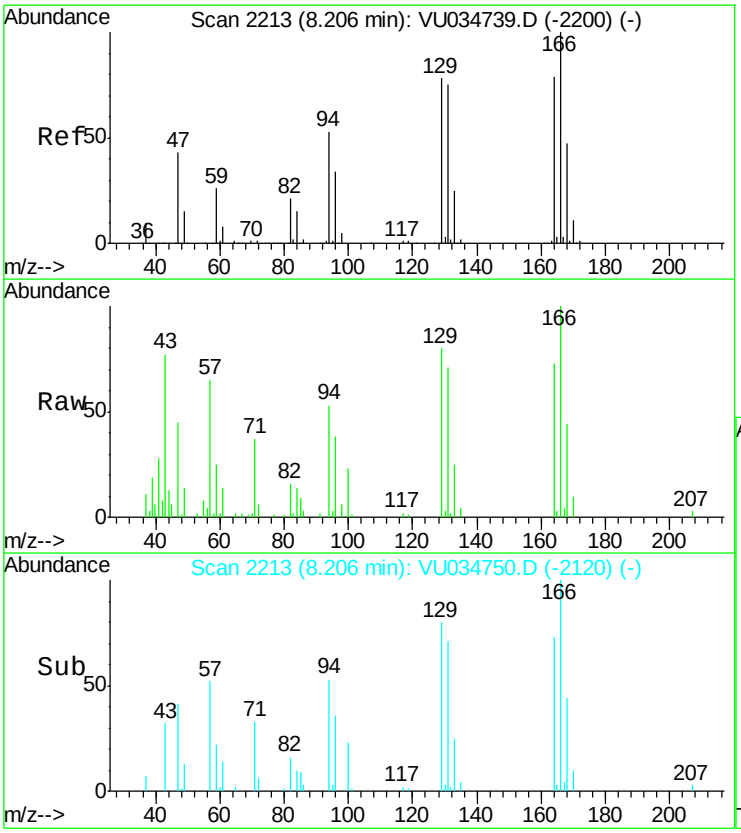
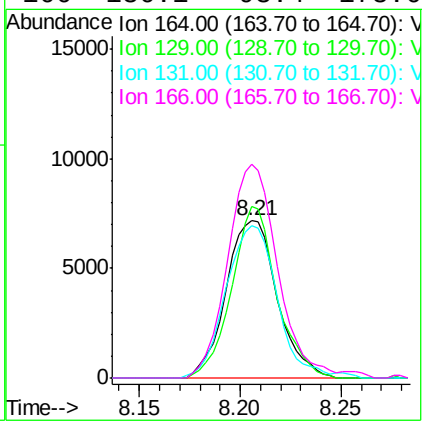
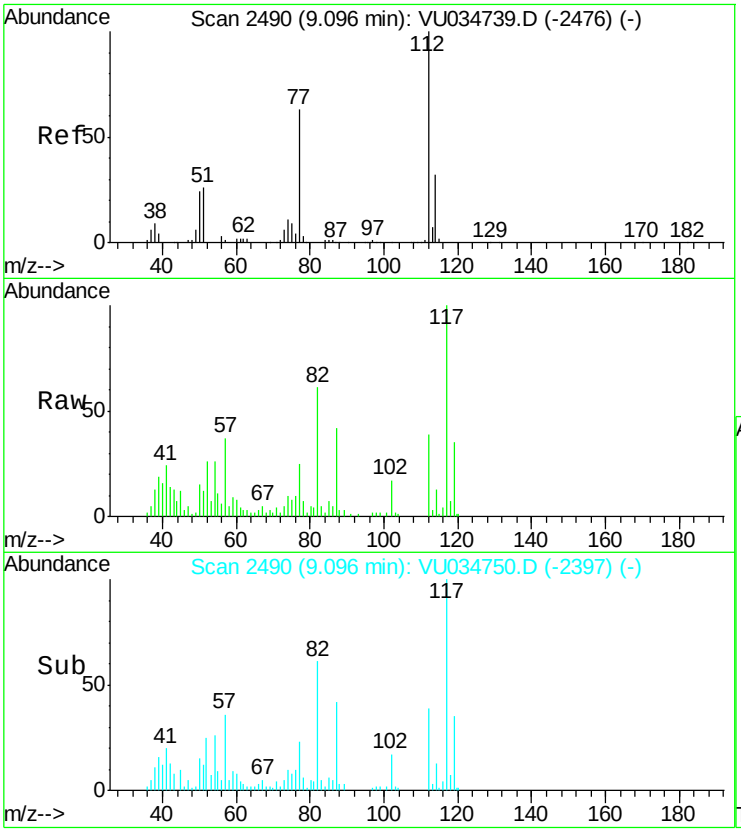


#46
Tetrachloroethene
Concen: 4.535 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VU034750.D
Acq: 23 Sep 2019 22:06

Tgt Ion:164 Resp: 12770

Ion	Ratio	Lower	Upper
164	100		
129	109.0	71.9	133.5
131	97.0	66.3	123.1
166	136.1	93.4	173.6

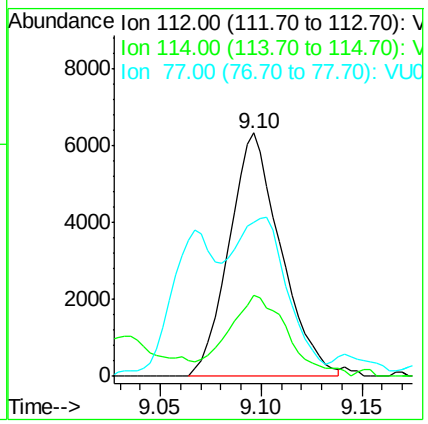




#51
Chlorobenzene
Concen: 1.062 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034750.D
Acq: 23 Sep 2019 22:06

Tgt Ion:112 Resp: 11311

Ion	Ratio	Lower	Upper
112	100		
114	33.3	22.8	42.4
77	63.2	51.5	77.3



Instrument :
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ClientSampleId :
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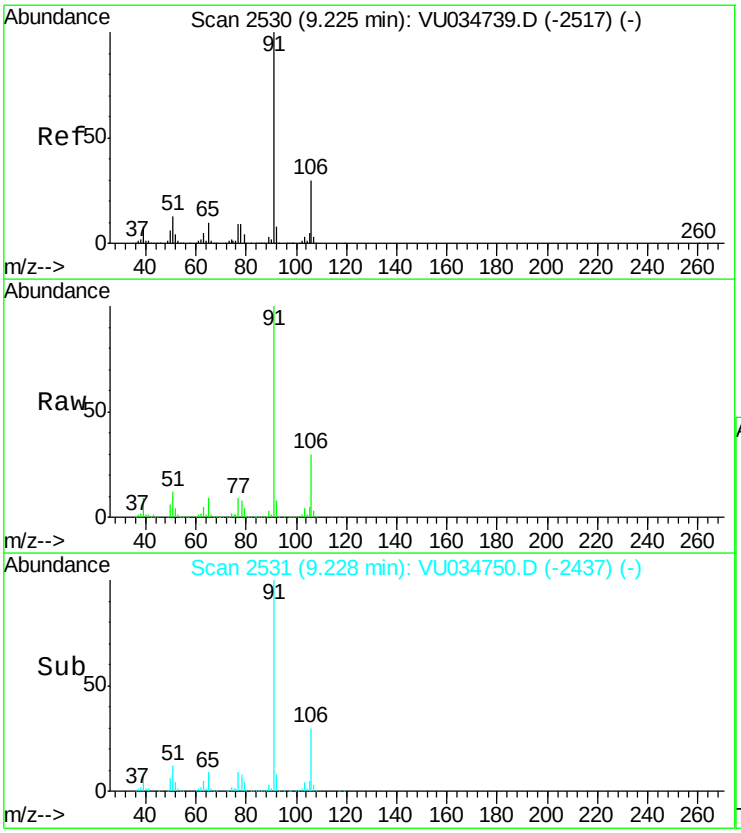
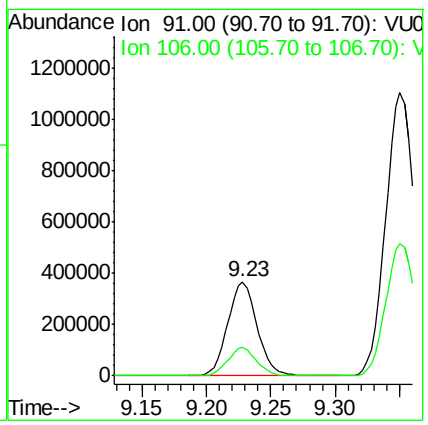
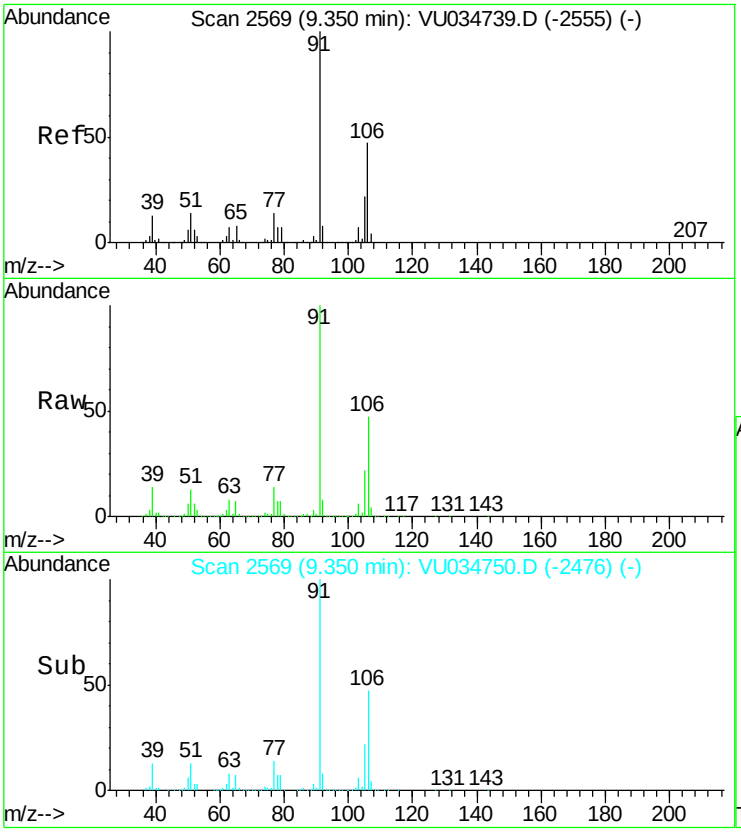


#52
Ethylbenzene
Concen: 29.319 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034750.D
Acq: 23 Sep 2019 22:06

Tgt Ion: 91 Resp: 578399

Ion	Ratio	Lower	Upper
91	100		
106	30.1	20.6	38.4

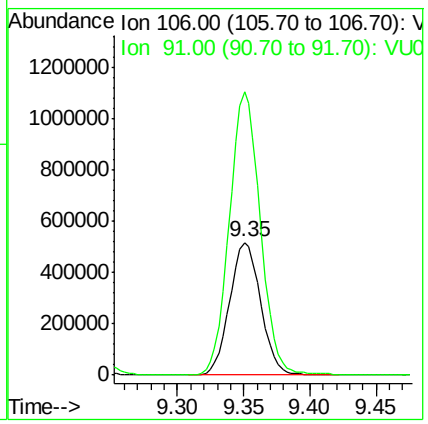




#53
m,p-Xylene
Concen: 120.733 ug/L
RT: 9.35 min Scan# 2569
Delta R.T. 0.00 min
Lab File: VU034750.D
Acq: 23 Sep 2019 22:06

Tgt Ion:106 Resp: 843618

Ion	Ratio	Lower	Upper
106	100		
91	213.0	146.9	272.7



Instrument :
MSVOA_U
ClientSampleId :
BFDG8

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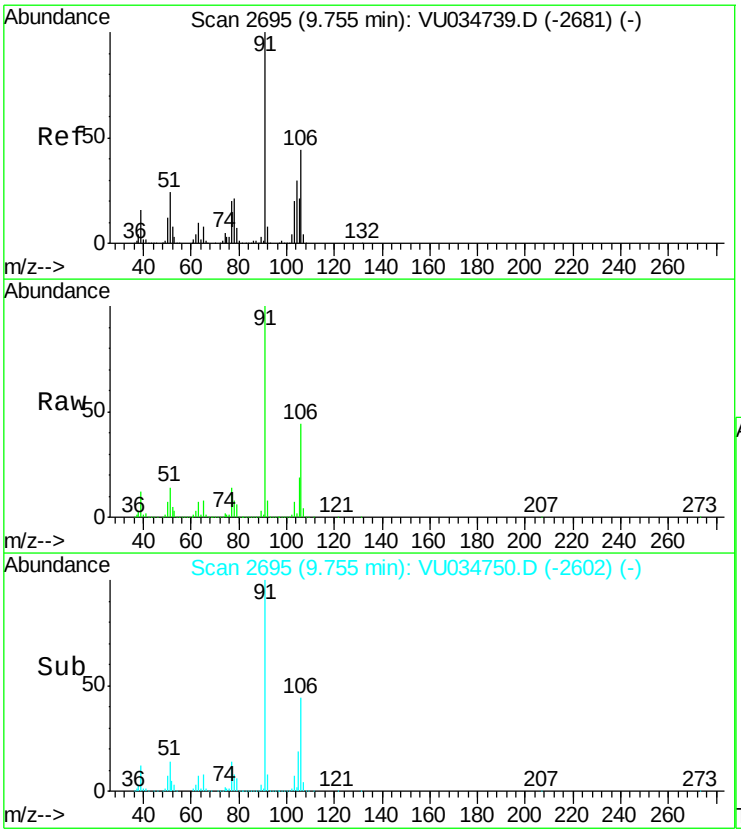
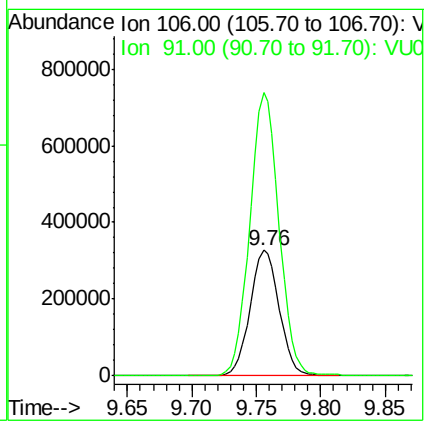
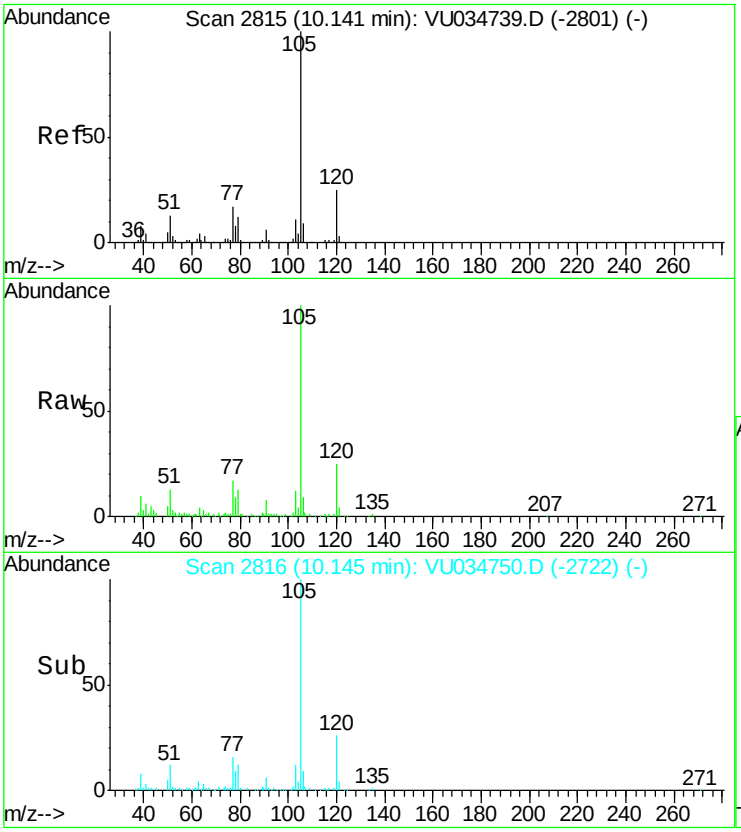


#54
o-xylene
Concen: 74.727 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU034750.D
Acq: 23 Sep 2019 22:06

Tgt Ion:106 Resp: 516448

Ion	Ratio	Lower	Upper
106	100		
91	225.3	155.6	289.0

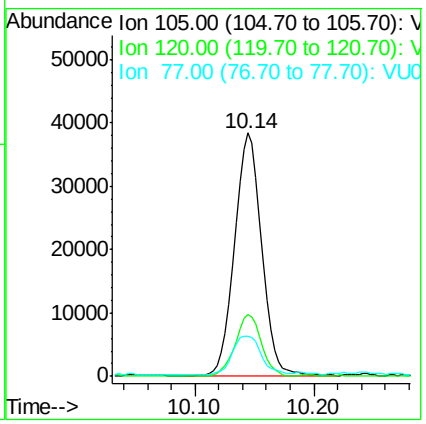




#56
Isopropylbenzene
Concen: 3.277 ug/L
RT: 10.14 min Scan# 2816
Delta R.T. 0.00 min
Lab File: VU034750.D
Acq: 23 Sep 2019 22:06

Tgt Ion:105 Resp: 61065

Ion	Ratio	Lower	Upper
105	100		
120	24.3	20.4	30.6
77	16.9	14.2	21.4



Instrument :
MSVOA_U
ClientSampleId :
BFDG8

Manual Integrations APPROVED
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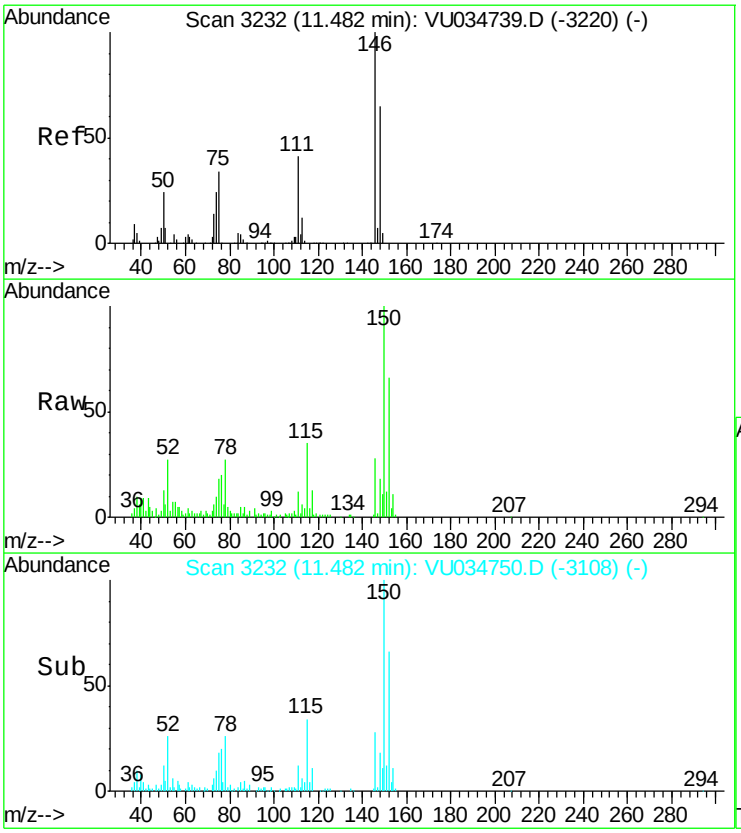
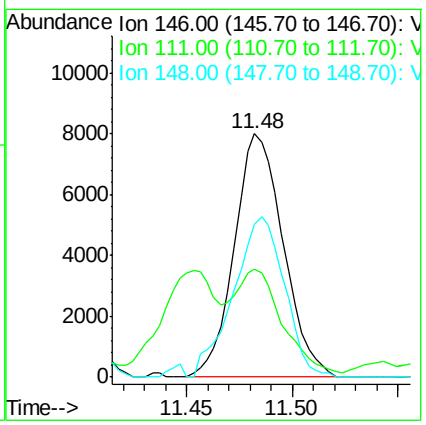
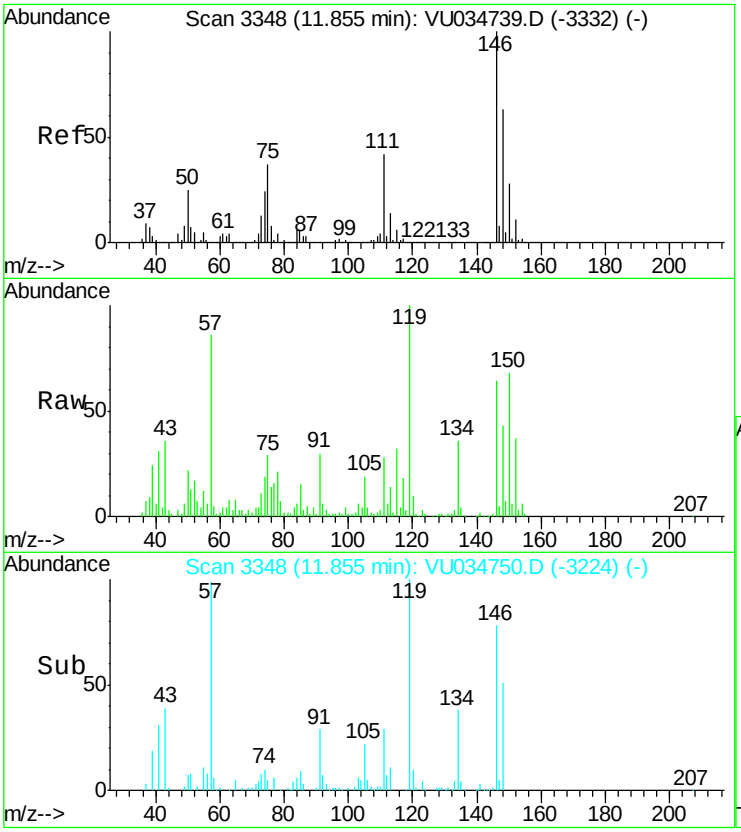


#63
1,4-Dichlorobenzene
Concen: 1.633 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.00 min
Lab File: VU034750.D
Acq: 23 Sep 2019 22:06

Tgt Ion:146 Resp: 12931

Ion	Ratio	Lower	Upper
146	100		
111	44.3	29.5	54.9
148	62.9	44.4	82.4

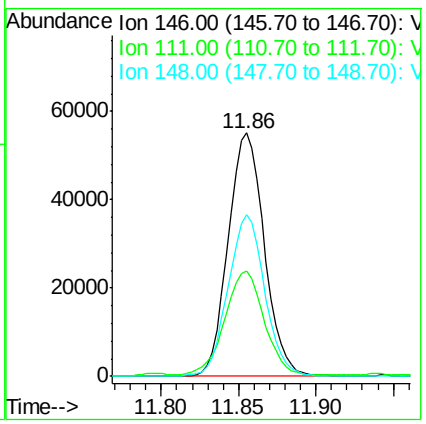




#65
1,2-Dichlorobenzene
Concen: 11.381 ug/L
RT: 11.86 min Scan# 3348
Delta R.T. 0.00 min
Lab File: VU034750.D
Acq: 23 Sep 2019 22:06

Tgt Ion:146 Resp: 89395

Ion	Ratio	Lower	Upper
146	100		
111	43.1	35.2	52.8
148	66.6	53.0	79.6



Instrument :
MSVOA_U
ClientSampleId :
BFDG8

Manual Integrations APPROVED
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