Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100219\
Data File : VU034901.D
Acq On : 01 Oct 2019 20:30
Operator : JC/SP
Sample : K5028-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK8

Manual Integrations APPROVED
MMDadoda
10/4/2019 12:13:59 PM

Quant Time: Oct 02 03:02:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 02 01:50:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	353183	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	339268	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	153837	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	102970	41.60	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 83.20%			
7) Chloroethane-d5	1.67	69	91437	43.97	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.94%			
11) 1,1-Dichloroethene-d2	2.26	63	158402	35.89	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 71.78%			
21) 2-Butanone-d5	4.15	46	281367	116.49	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 116.49%			
24) Chloroform-d	4.62	84	224322	46.70	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.40%			
26) 1,2-Dichloroethane-d4	5.29	65	167269	47.42	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.84%			
32) Benzene-d6	5.32	84	442031	47.87	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.74%			
36) 1,2-Dichloropropane-d6	6.31	67	156626	49.33	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 98.66%			
41) Toluene-d8	7.54	98	410882	47.28	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.56%			
43) trans-1,3-Dichloropropene-	7.83	79	68274	48.55	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 97.10%			
47) 2-Hexanone-d5	8.29	63	190311	125.21	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 125.21%			
57) 1,1,2,2-Tetrachloroethane-	10.41	84	222330	49.02	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 98.04%			
64) 1,2-Dichlorobenzene-d4	11.84	152	151240	49.41	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.82%			
Target Compounds						Qvalue
9) Trichlorofluoromethane	1.87	101	24463	9.206	ug/L	99
13) Acetone	2.31	43	124580	64.894	ug/L	99
15) Methyl Acetate	2.61	43	4216	1.376	ug/L	93
16) Methylene chloride	2.68	84	70169	36.266	ug/L	99
22) 2-Butanone	4.25	43	46350	18.589	ug/L	98
33) Benzene	5.37	78	58279m	8.054	ug/L	
35) Methylcyclohexane	6.39	83	3264	1.438	ug/L #	73
42) Toluene	7.62	91	12652	1.625	ug/L	100
51) Chlorobenzene	9.10	112	28679	5.436	ug/L	96
52) Ethylbenzene	9.23	91	107591	11.772	ug/L	99
53) m,p-Xylene	9.36	106	136448	42.730	ug/L	97
54) o-xylene	9.76	106	246541	73.208	ug/L	98
56) Isopropylbenzene	10.14	105	48986	5.207	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	4343	1.038	ug/L	90
65) 1,2-Dichlorobenzene	11.85	146	43929	9.842	ug/L	96

Quantitation Report (LSC Reviewed)

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Quant Title : VOC Analysis
QLast Update : Wed Oct 02 01:50:17 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BFDK8

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (LSC Reviewed)

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ClientSampleId :
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Manual Integrations APPROVED
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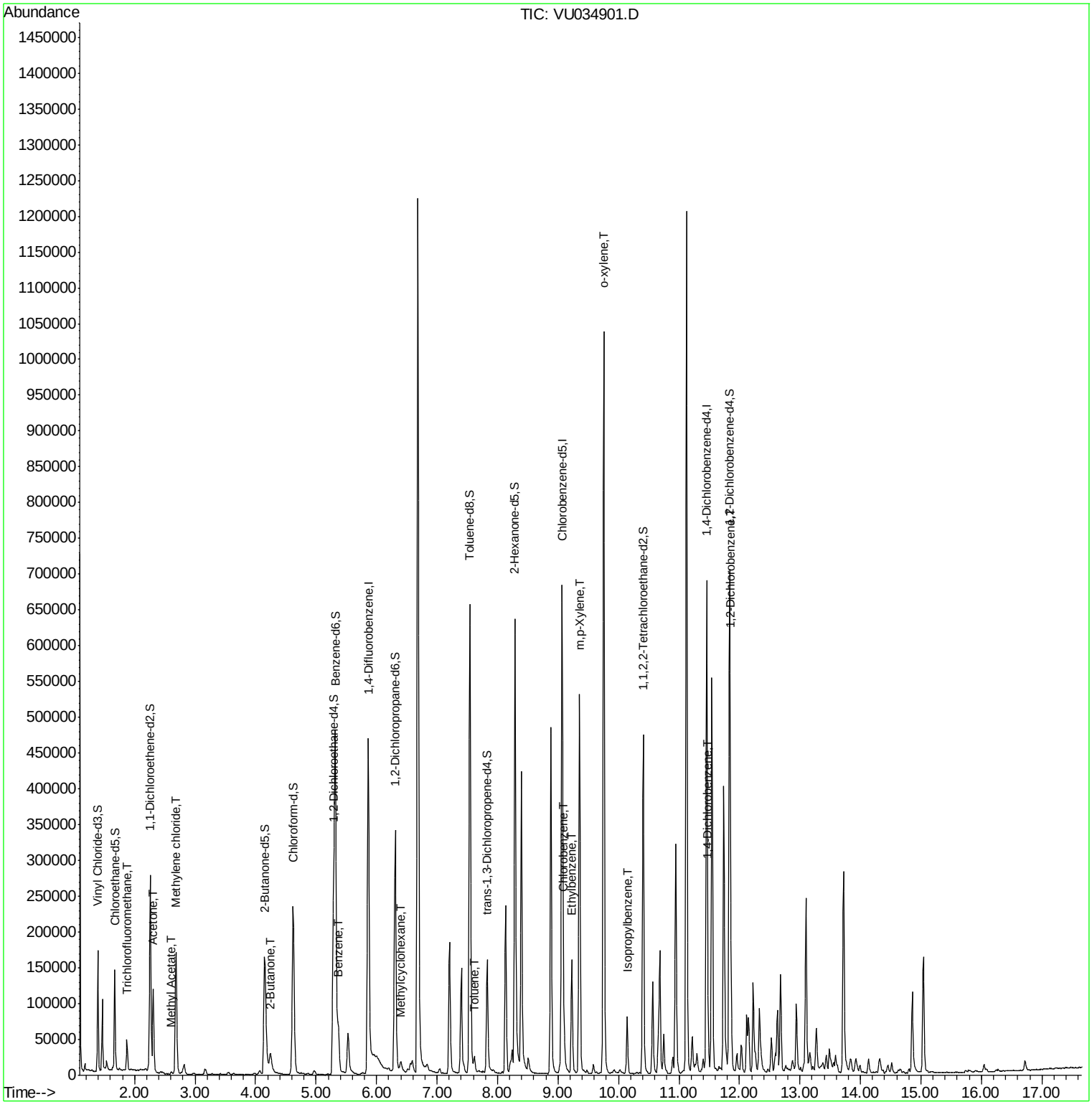
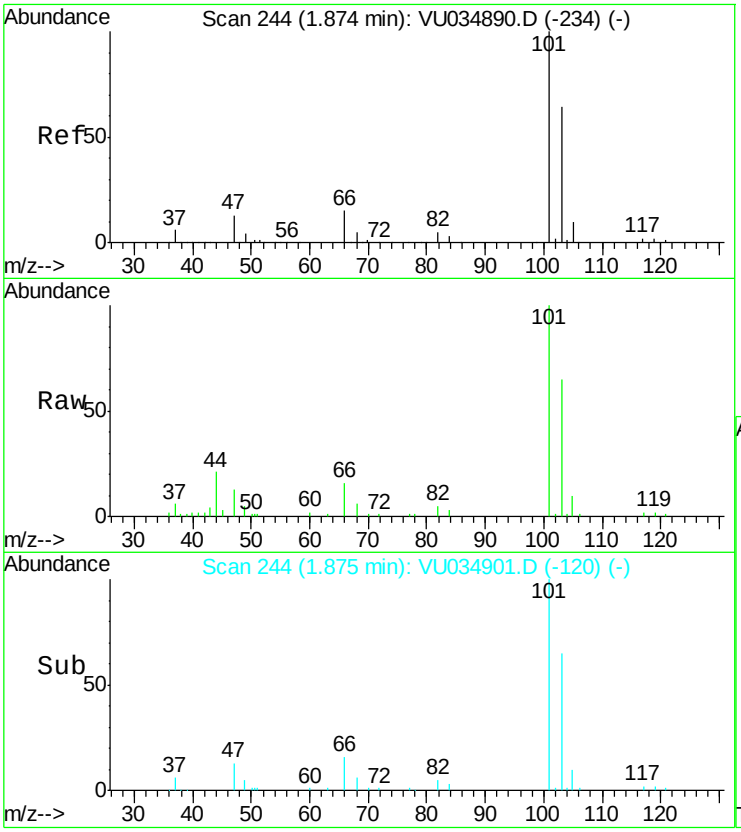
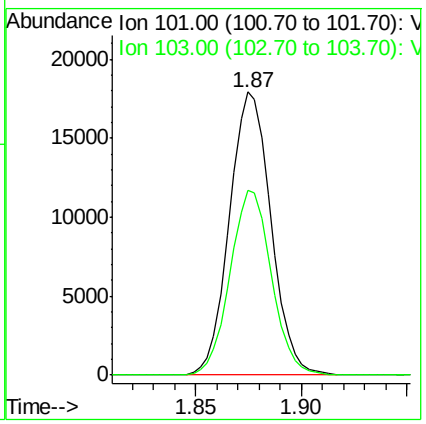




#9
Trichlorofluoromethane
Concen: 9.206 ug/L
RT: 1.87 min Scan# 244
Delta R.T. 0.00 min
Lab File: VU034901.D
Acq: 01 Oct 2019 20:30

Tgt Ion:101 Resp: 24463

Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.2	76.8



Instrument :
MSVOA_U
ClientSampleId :
BFDK8

Manual Integrations APPROVED
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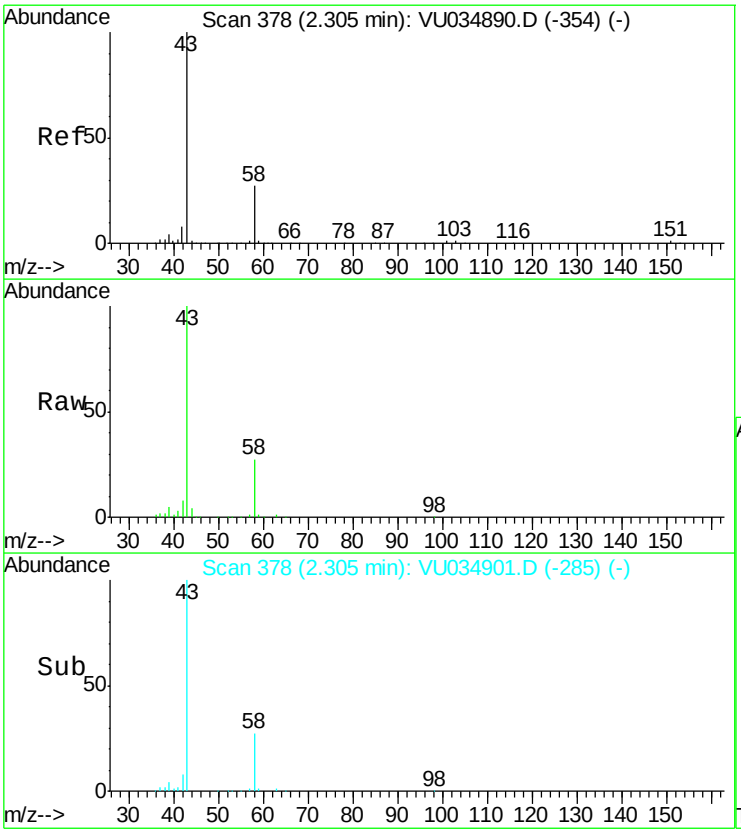
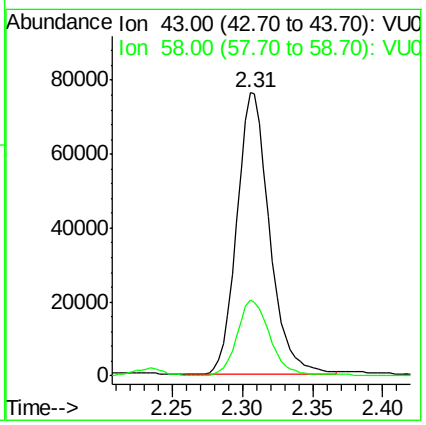
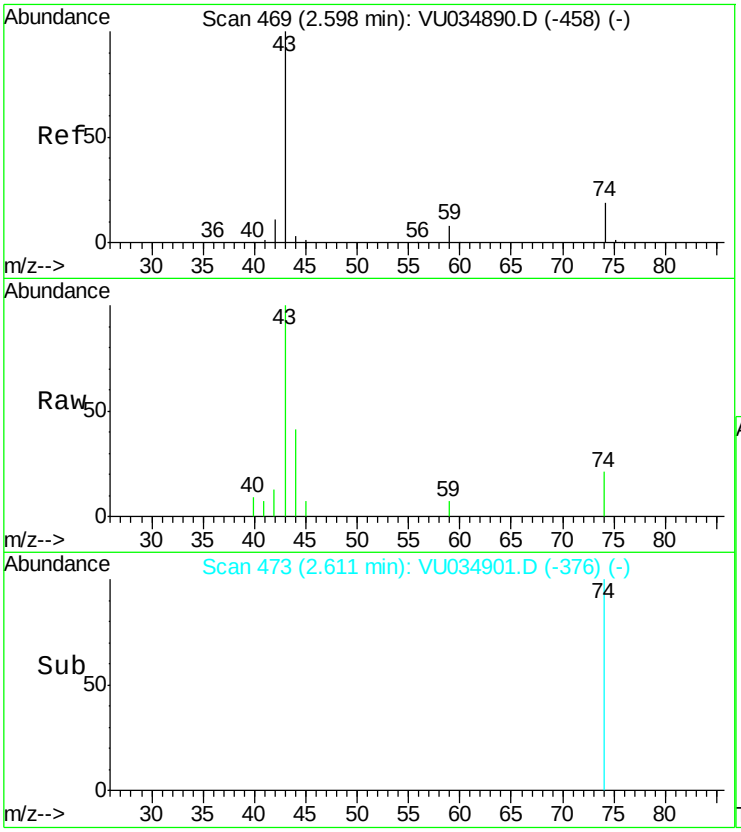


#13
Acetone
Concen: 64.894 ug/L
RT: 2.31 min Scan# 378
Delta R.T. 0.00 min
Lab File: VU034901.D
Acq: 01 Oct 2019 20:30

Tgt Ion: 43 Resp: 124580

Ion	Ratio	Lower	Upper
43	100		
58	26.8	0.0	52.6





#15
Methyl Acetate
Concen: 1.376 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.01 min
Lab File: VU034901.D
Acq: 01 Oct 2019 20:30

Tgt Ion: 43 Resp: 4216

Ion	Ratio	Lower	Upper
43	100		
74	16.0	15.3	22.9

Instrument :
MSVOA_U
ClientSampleId :
BFDK8

Manual Integrations APPROVED
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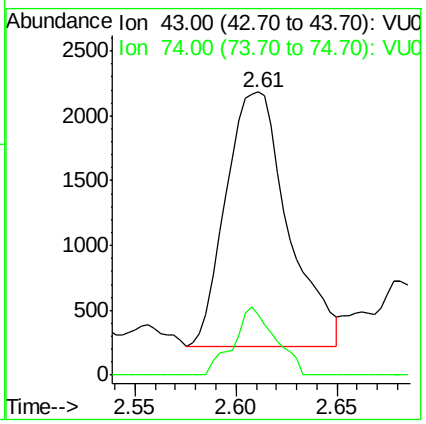
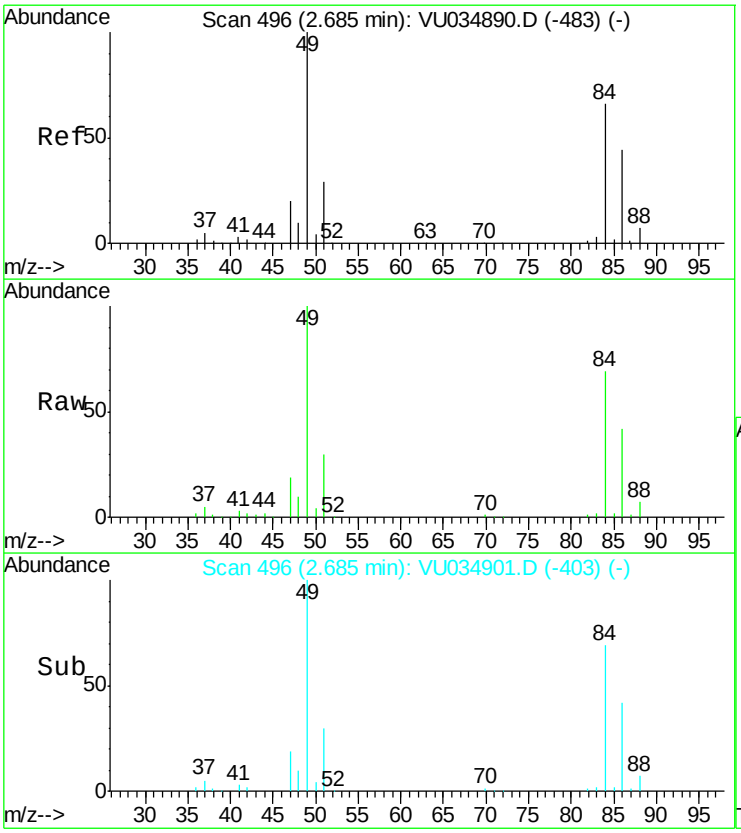
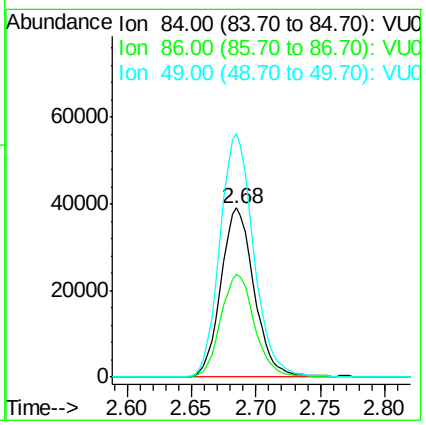


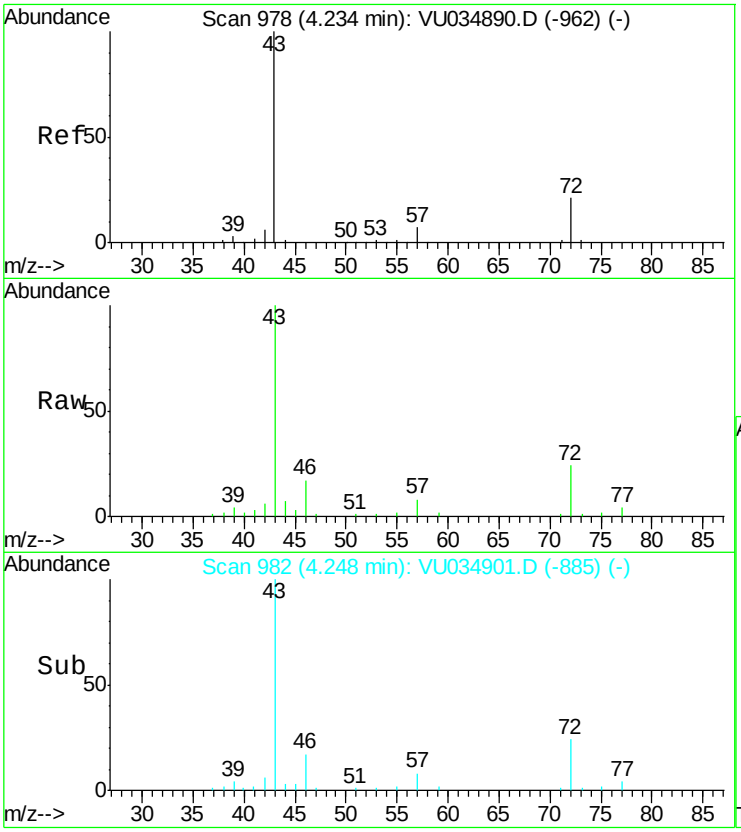


#16
Methylene chloride
Concen: 36.266 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034901.D
Acq: 01 Oct 2019 20:30

Tgt Ion: 84 Resp: 70169

Ion	Ratio	Lower	Upper
84	100		
86	60.9	44.7	82.9
49	144.1	100.7	186.9

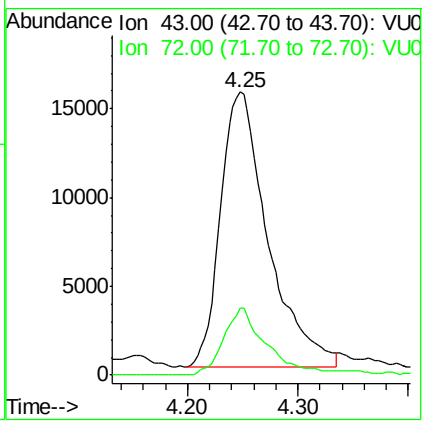




#22
2-Butanone
Concen: 18.589 ug/L
RT: 4.25 min Scan# 982
Delta R.T. 0.01 min
Lab File: VU034901.D
Acq: 01 Oct 2019 20:30

Tgt Ion: 43 Resp: 46350

Ion	Ratio	Lower	Upper
43	100		
72	21.6	11.2	33.6



Instrument :
MSVOA_U
ClientSampleId :
BFDK8

Manual Integrations APPROVED
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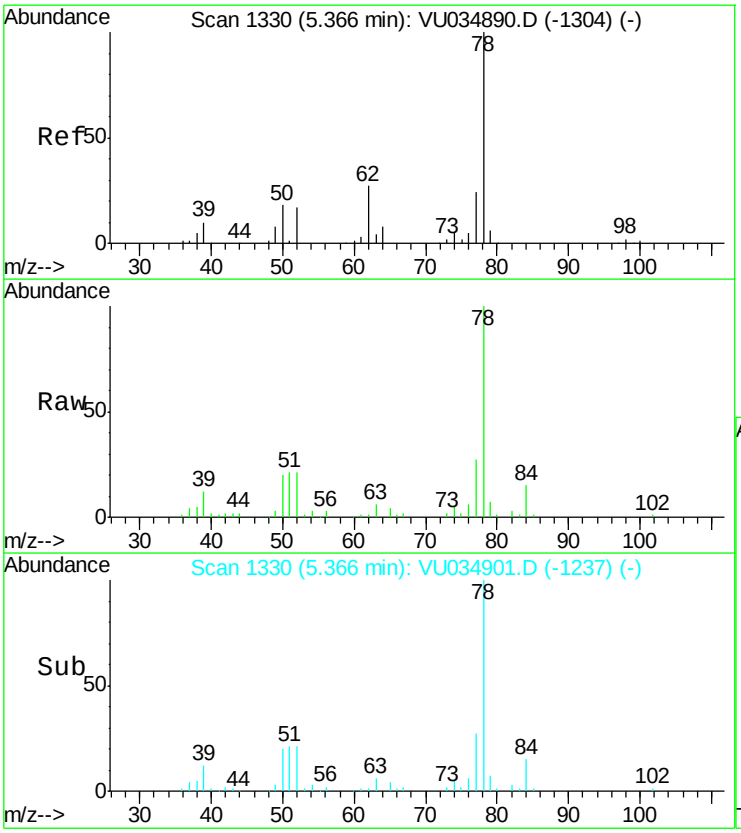
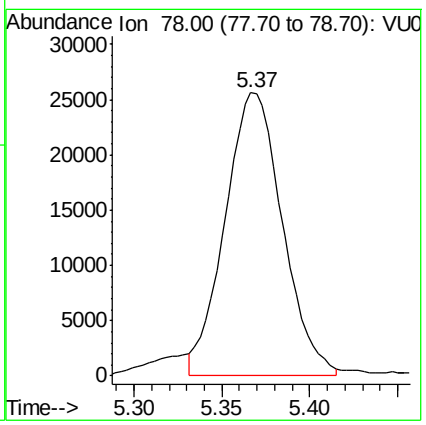
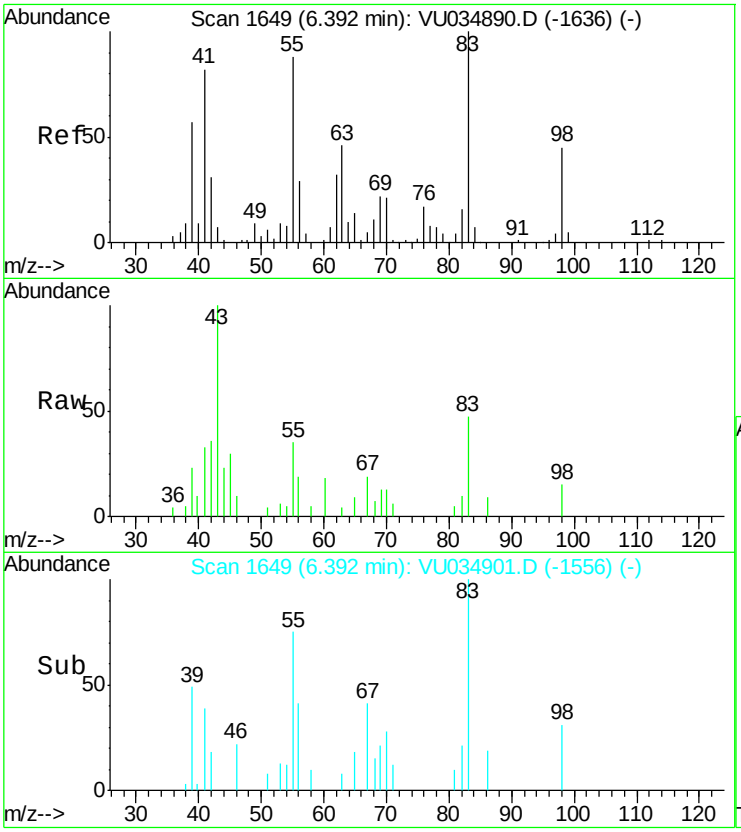


#33
Benzene
Concen: 8.054 ug/L m
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034901.D
Acq: 01 Oct 2019 20:30

Tgt Ion: 78 Resp: 58279

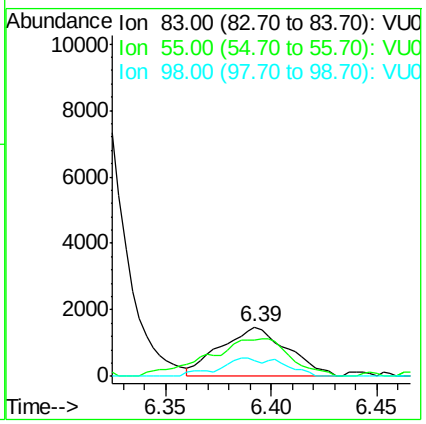




#35
Methylcyclohexane
Concen: 1.438 ug/L
RT: 6.39 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU034901.D
Acq: 01 Oct 2019 20:30

Tgt Ion: 83 Resp: 3264

Ion	Ratio	Lower	Upper
83	100		
55	71.0	68.4	102.6
98	13.0	35.3	52.9#



Instrument :
MSVOA_U
ClientSampleId :
BFDK8

Manual Integrations APPROVED
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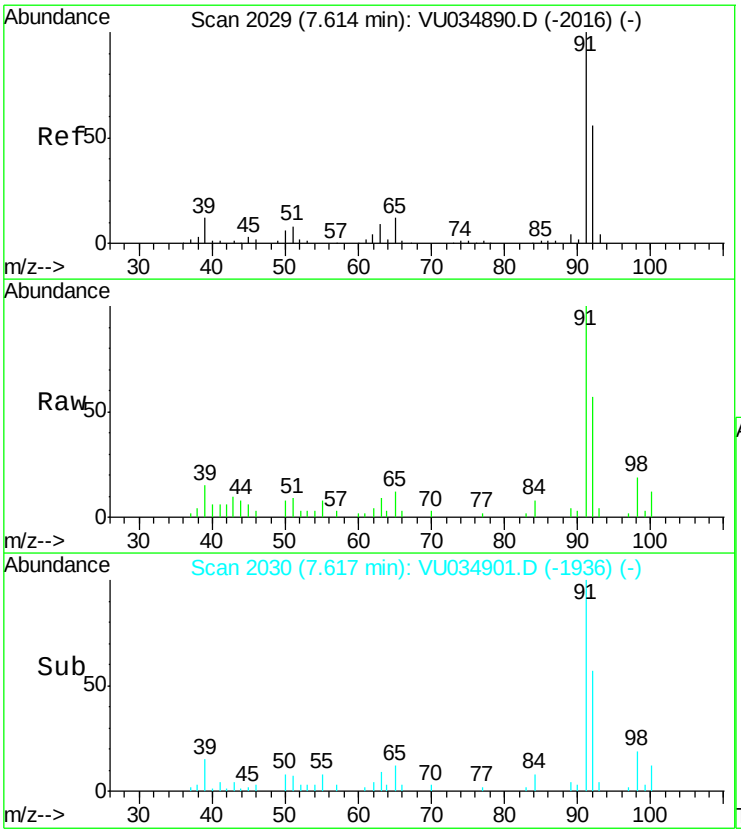
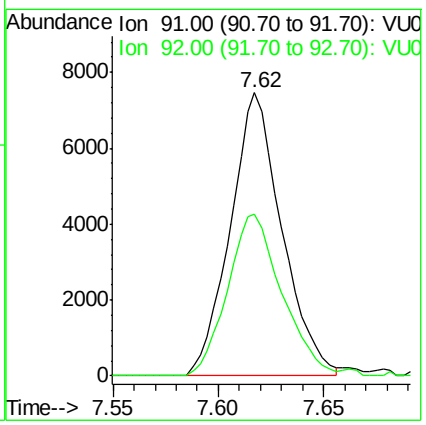
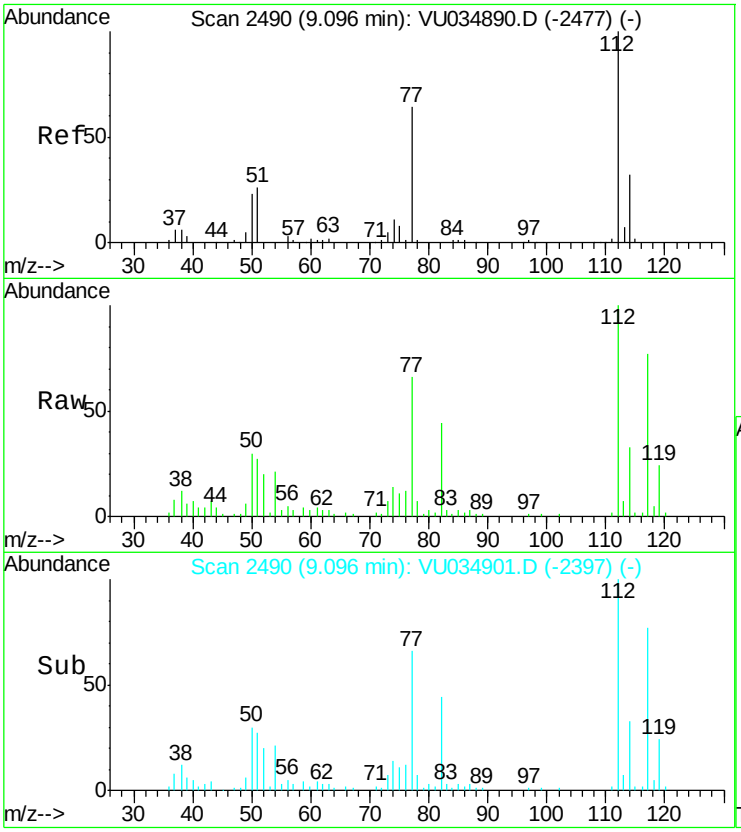


#42
Toluene
Concen: 1.625 ug/L
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034901.D
Acq: 01 Oct 2019 20:30

Tgt Ion: 91 Resp: 12652

Ion	Ratio	Lower	Upper
91	100		
92	57.2	40.0	74.4

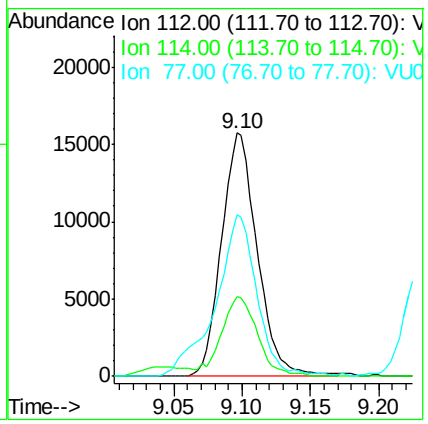




#51
Chlorobenzene
Concen: 5.436 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034901.D
Acq: 01 Oct 2019 20:30

Tgt Ion:112 Resp: 28679

Ion	Ratio	Lower	Upper
112	100		
114	32.6	21.7	40.3
77	66.4	50.1	75.1



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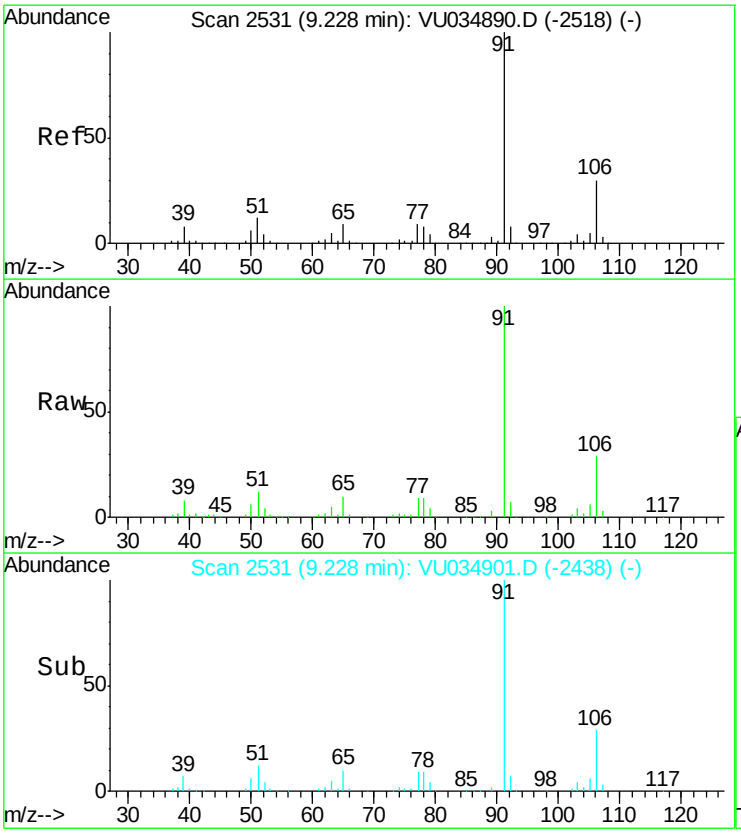
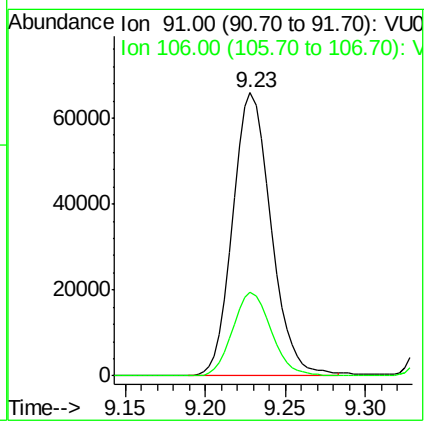
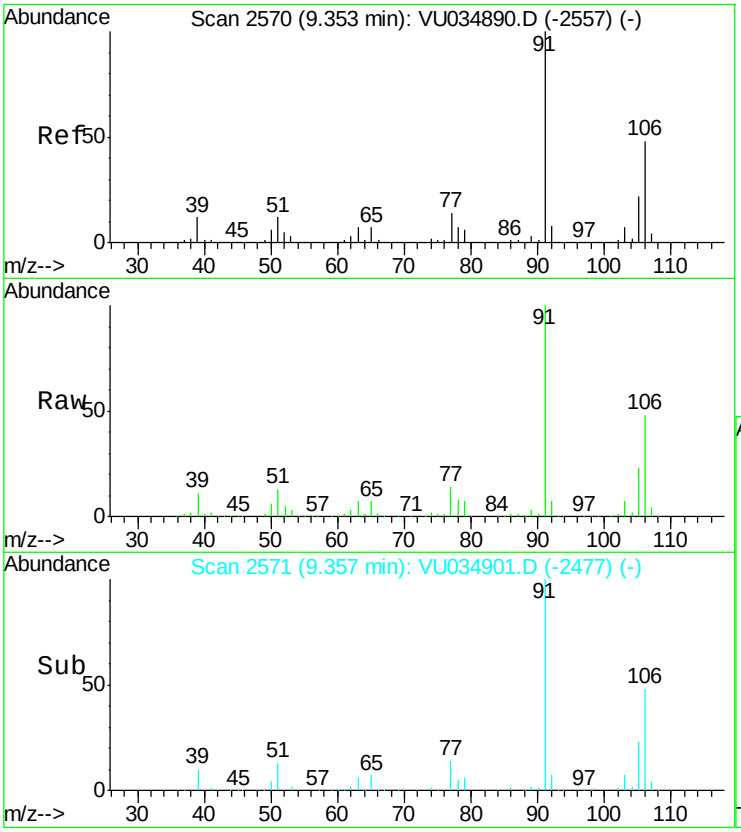


#52
Ethylbenzene
Concen: 11.772 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034901.D
Acq: 01 Oct 2019 20:30

Tgt Ion: 91 Resp: 107591

Ion	Ratio	Lower	Upper
91	100		
106	29.5	20.9	38.9

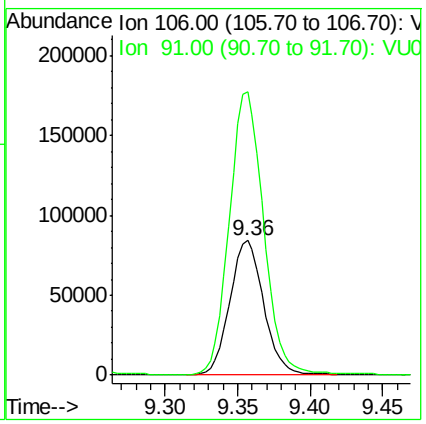




#53
m,p-Xylene
Concen: 42.730 ug/L
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034901.D
Acq: 01 Oct 2019 20:30

Tgt Ion:106 Resp: 136448

Ion	Ratio	Lower	Upper
106	100		
91	210.4	150.1	278.9



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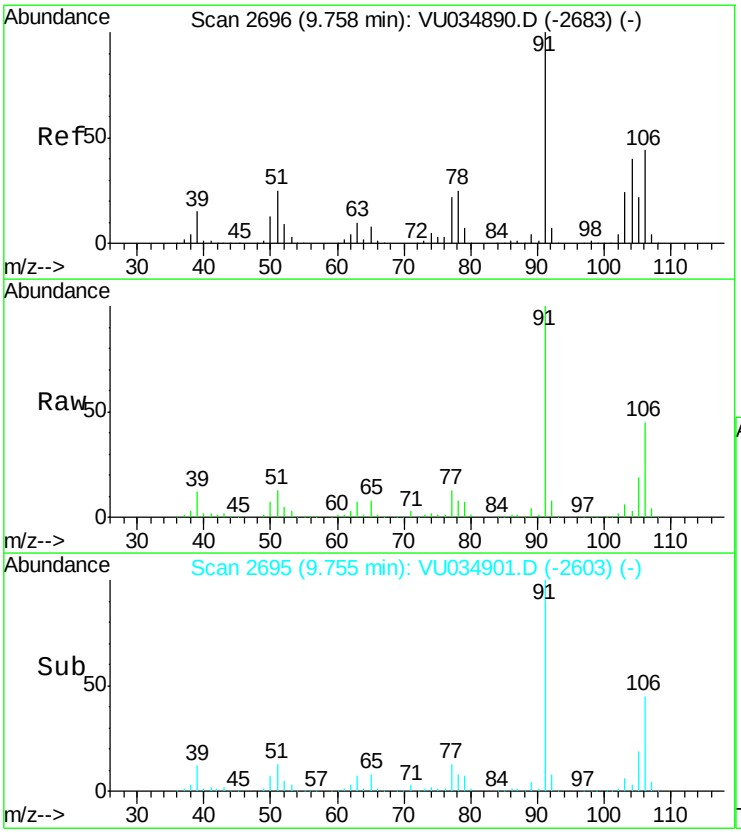
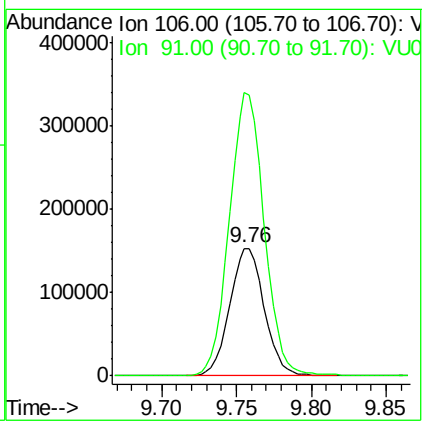
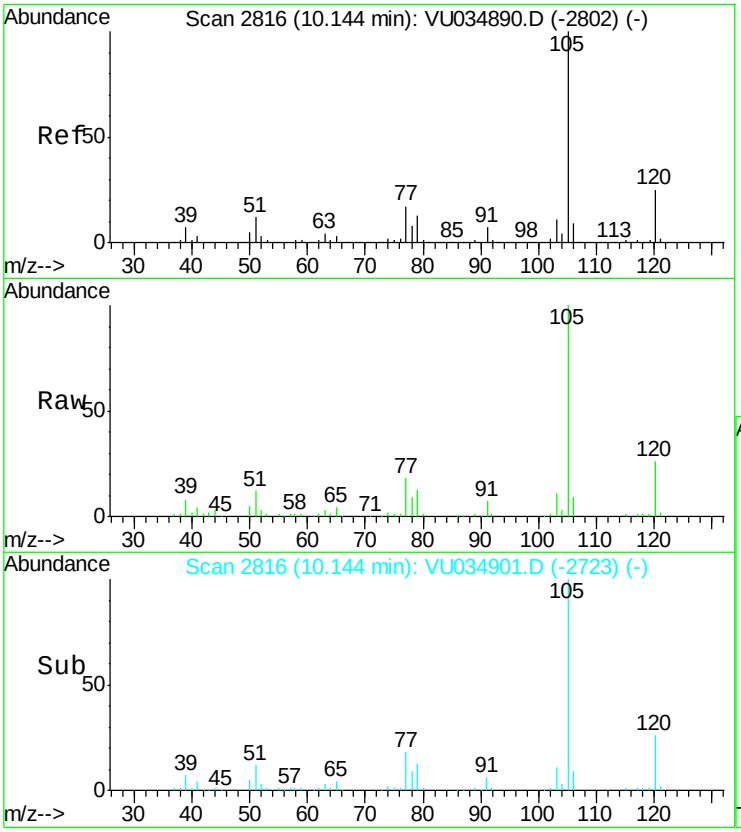


#54
o-xylene
Concen: 73.208 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. -0.00 min
Lab File: VU034901.D
Acq: 01 Oct 2019 20:30

Tgt Ion:106 Resp: 246541

Ion	Ratio	Lower	Upper
106	100		
91	221.5	157.8	293.0

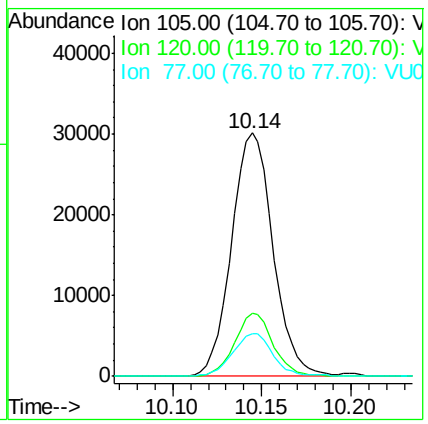




#56
Isopropylbenzene
Concen: 5.207 ug/L
RT: 10.14 min Scan# 2816
Delta R.T. 0.00 min
Lab File: VU034901.D
Acq: 01 Oct 2019 20:30

Tgt Ion:105 Resp: 48986

Ion	Ratio	Lower	Upper
105	100		
120	23.9	20.2	30.4
77	17.0	13.7	20.5



Instrument :
MSVOA_U
ClientSampleId :
BFDK8

Manual Integrations APPROVED
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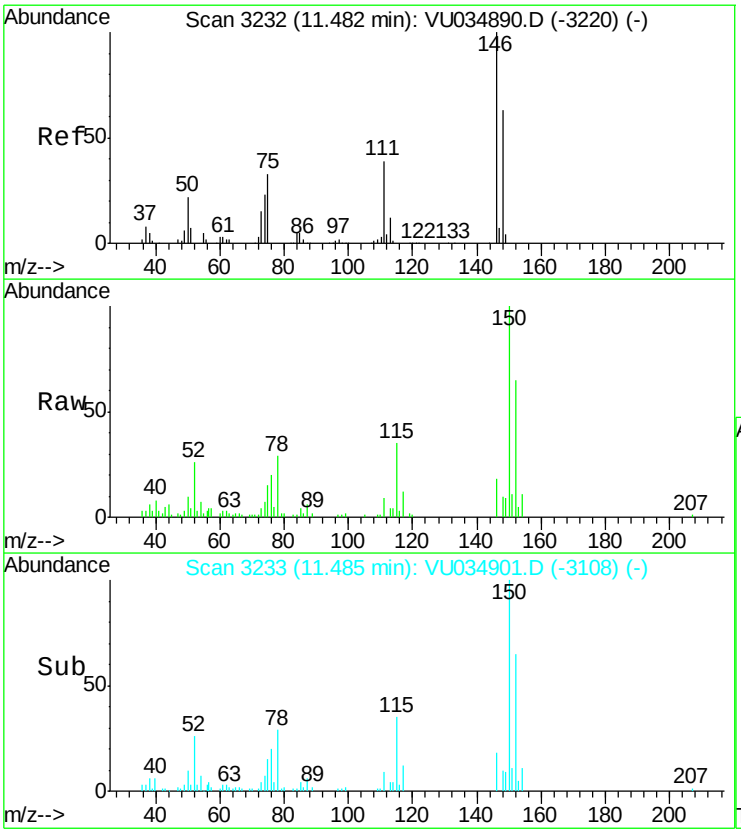
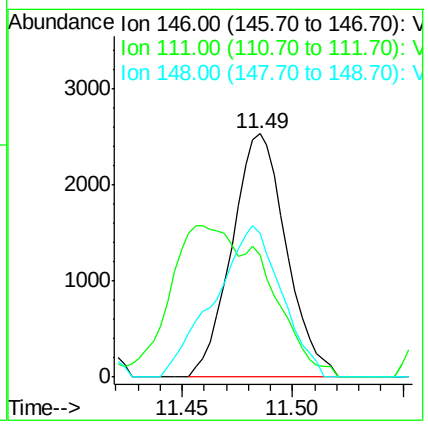
10/4/2019 12:13:59 PM

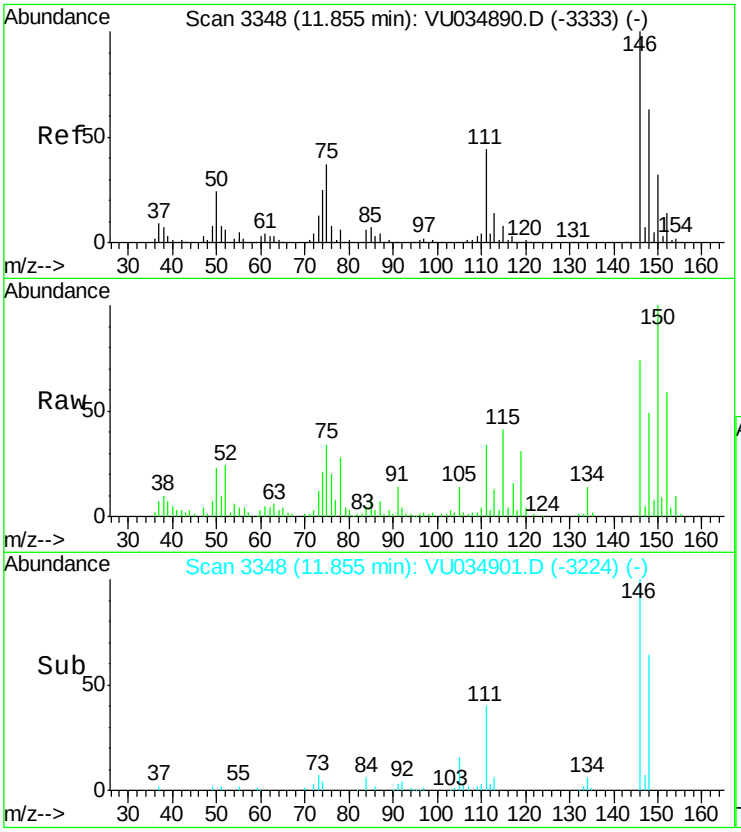


#63
1,4-Dichlorobenzene
Concen: 1.038 ug/L
RT: 11.49 min Scan# 3233
Delta R.T. 0.00 min
Lab File: VU034901.D
Acq: 01 Oct 2019 20:30

Tgt Ion:146 Resp: 4343

Ion	Ratio	Lower	Upper
146	100		
111	49.9	29.2	54.2
148	59.0	46.1	85.5

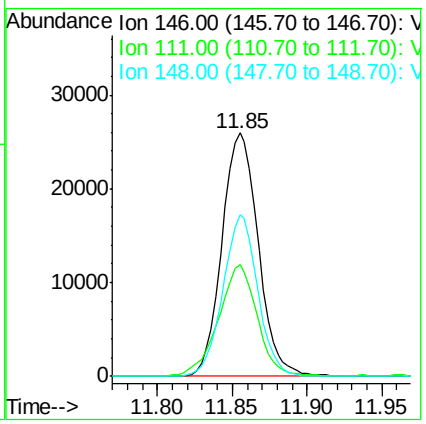




#65
1,2-Dichlorobenzene
Concen: 9.842 ug/L
RT: 11.85 min Scan# 3348
Delta R.T. 0.00 min
Lab File: VU034901.D
Acq: 01 Oct 2019 20:30

Tgt Ion:146 Resp: 43929

Ion	Ratio	Lower	Upper
146	100		
111	45.9	34.9	52.3
148	66.4	50.0	75.0



Instrument :
MSVOA_U
ClientSampleId :
BFDK8

Manual Integrations APPROVED
MMDadoda
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