Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\

Quantitation Report (Not Reviewed)

Data File : VU034738.D
Acq On : 23 Sep 2019 17:02
Operator : JC/SP
Sample : K4982-05 20X
Misc : 5.58g/5.0mL/100uL/10mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0AW2

Quant Time: Sep 24 01:57:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 01:52:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	480217	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	459932	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	224088	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	205282	41.76	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 83.52%			
7) Chloroethane-d5	1.67	69	164460	43.28	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 86.56%			
11) 1,1-Dichloroethene-d2	2.26	63	278420	33.44	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 66.88%			
21) 2-Butanone-d5	4.15	46	389877	103.47	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 103.47%			
24) Chloroform-d	4.62	84	340913	47.70	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.40%			
26) 1,2-Dichloroethane-d4	5.29	65	252854	48.13	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.26%			
32) Benzene-d6	5.32	84	705421	49.48	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.96%			
36) 1,2-Dichloropropane-d6	6.31	67	249314	50.04	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 100.08%			
41) Toluene-d8	7.54	98	666279	49.13	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.26%			
43) trans-1,3-Dichloropropene-	7.83	79	111659	46.79	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 93.58%			
47) 2-Hexanone-d5	8.29	63	245526	98.11	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 98.11%			
57) 1,1,2,2-Tetrachloroethane-	10.41	84	333098	48.18	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 96.36%			
64) 1,2-Dichlorobenzene-d4	11.84	152	237404	50.52	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.04%			
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2437	0.744	ug/L #	24
51) Chlorobenzene	9.10	112	61862	5.903	ug/L	98
52) Ethylbenzene	9.23	91	126404	6.511	ug/L	96
53) m,p-Xylene	9.35	106	162765	23.672	ug/L	99
54) o-xylene	9.76	106	45058	6.625	ug/L	99
62) 1,3-Dichlorobenzene	11.39	146	474387	61.130	ug/L	95
63) 1,4-Dichlorobenzene	11.48	146	693770	87.760	ug/L	98
65) 1,2-Dichlorobenzene	11.85	146	1396412	178.089	ug/L	98
67) 1,3,5-Trichlorobenzene	13.48	180	32426	6.236	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	32426	7.930	ug/L	95
70) 1,2,3-Trichlorobenzene	13.97	180	10079	2.396	ug/L	93

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

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Quantitation Report (Not Reviewed)

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Acq On : 23 Sep 2019 17:02
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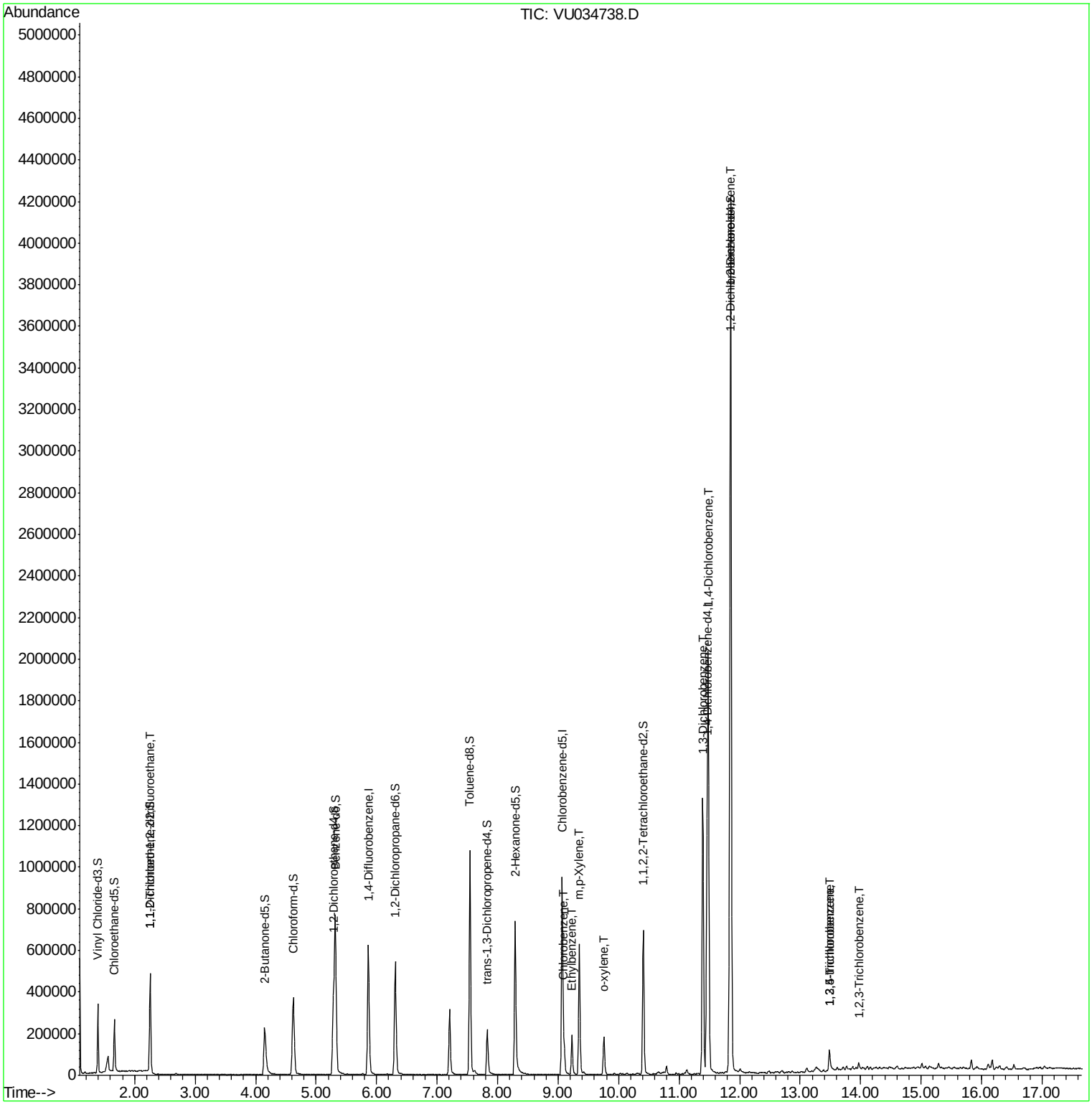
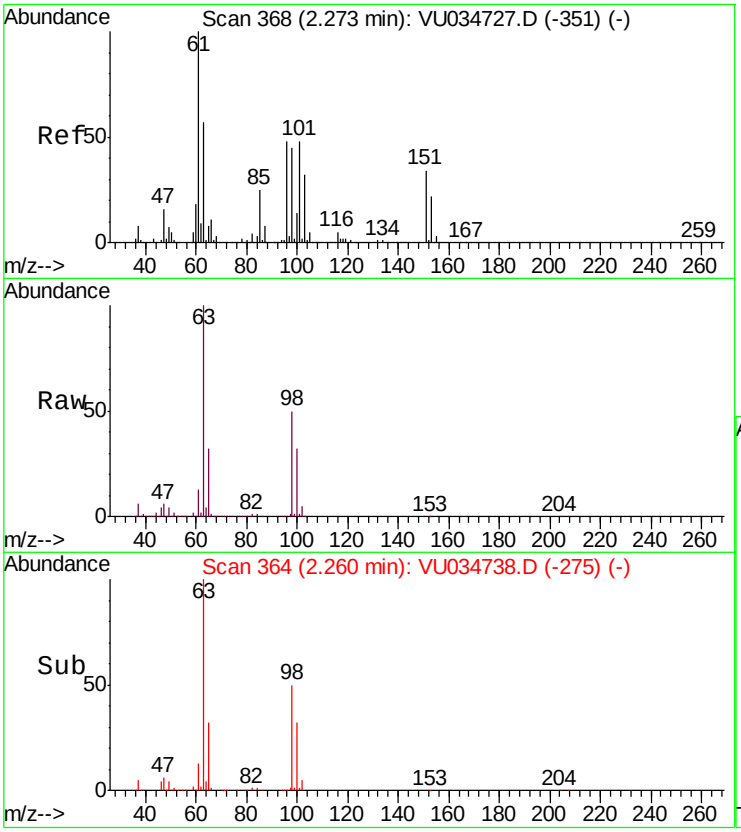
Quant Time: Sep 24 01:57:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 01:52:59 2019
Response via : Initial Calibration



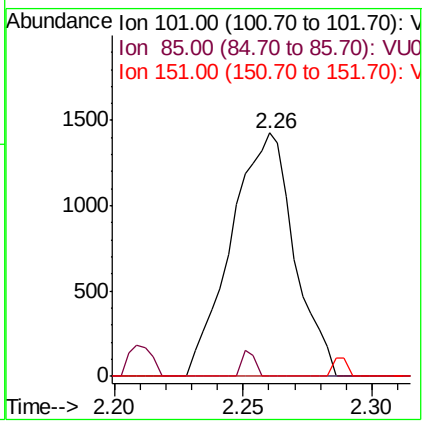


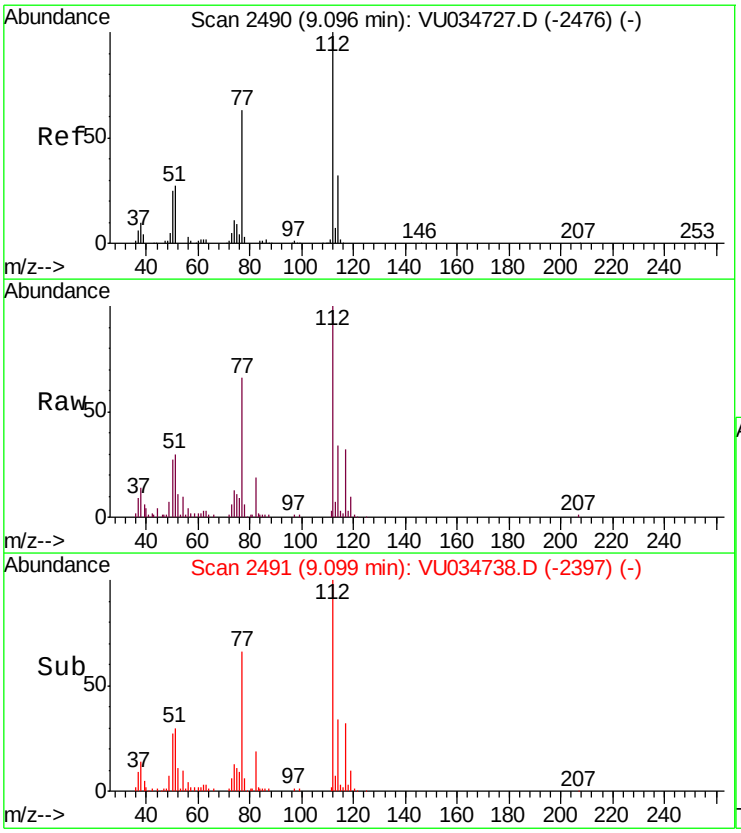
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.744 ug/L
RT: 2.26 min Scan# 364
Delta R.T. -0.01 min
Lab File: VU034738.D
Acq: 23 Sep 2019 17:02

Instrument :
MSVOA_U
ClientSampleId :
C0AW2

Tgt Ion:101 Resp: 2437

Ion	Ratio	Lower	Upper
101	100		
85	2.1	39.0	58.4#
151	1.7	52.8	79.2#

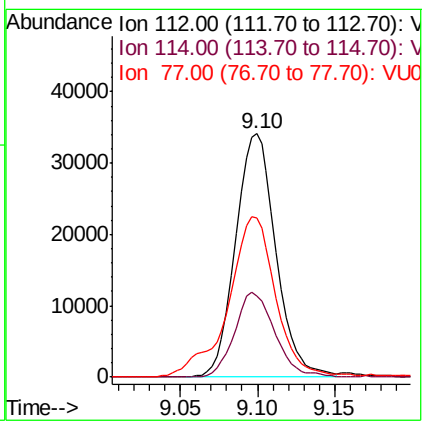


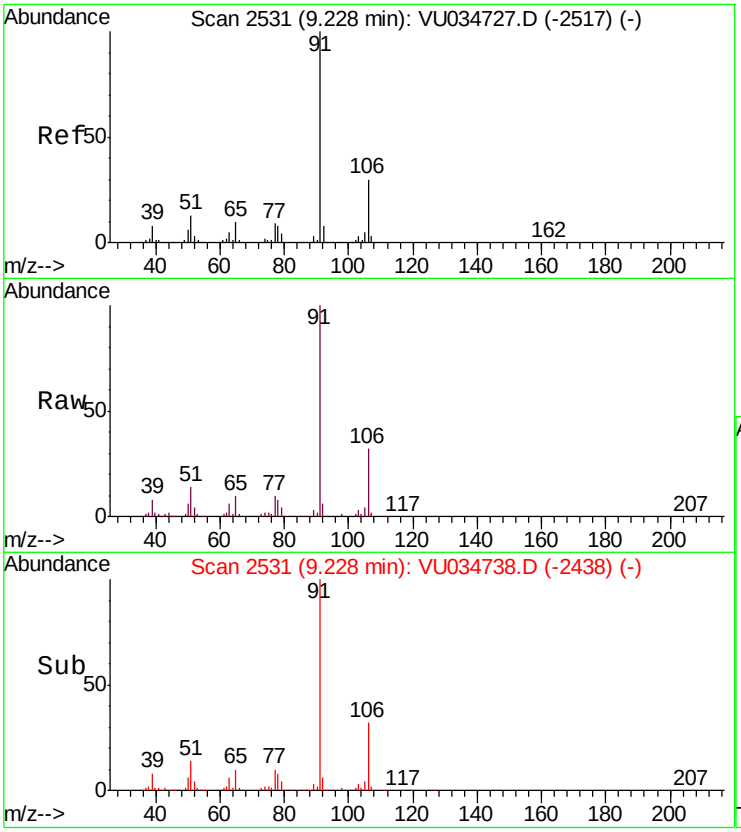


#51
Chlorobenzene
Concen: 5.903 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034738.D
Acq: 23 Sep 2019 17:02

Tgt Ion:112 Resp: 61862

Ion	Ratio	Lower	Upper
112	100		
114	33.5	22.8	42.4
77	65.6	51.5	77.3



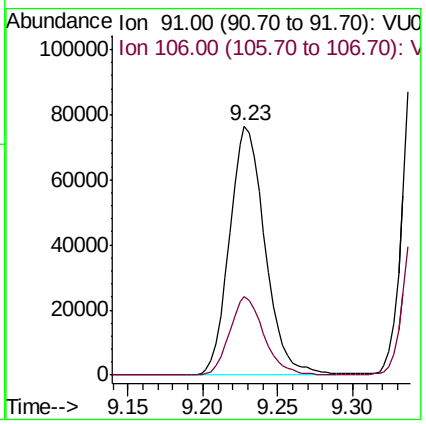


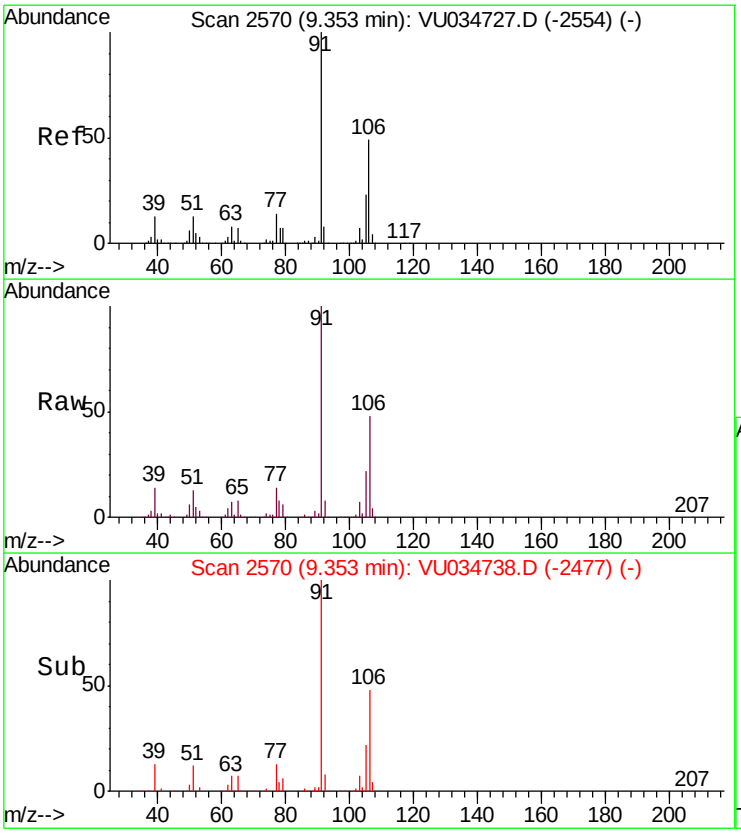
#52
Ethylbenzene
Concen: 6.511 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU034738.D
Acq: 23 Sep 2019 17:02

Instrument :
MSVOA_U
ClientSampleId :
C0AW2

Tgt Ion: 91 Resp: 126404

Ion	Ratio	Lower	Upper
91	100		
106	31.8	20.6	38.4

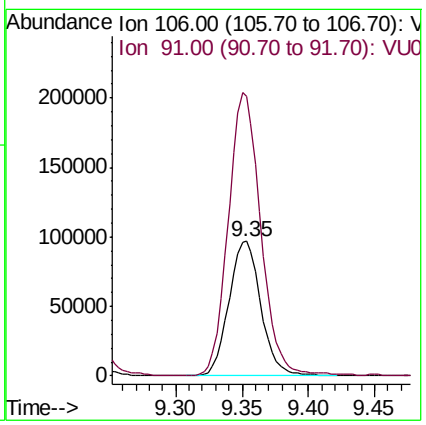


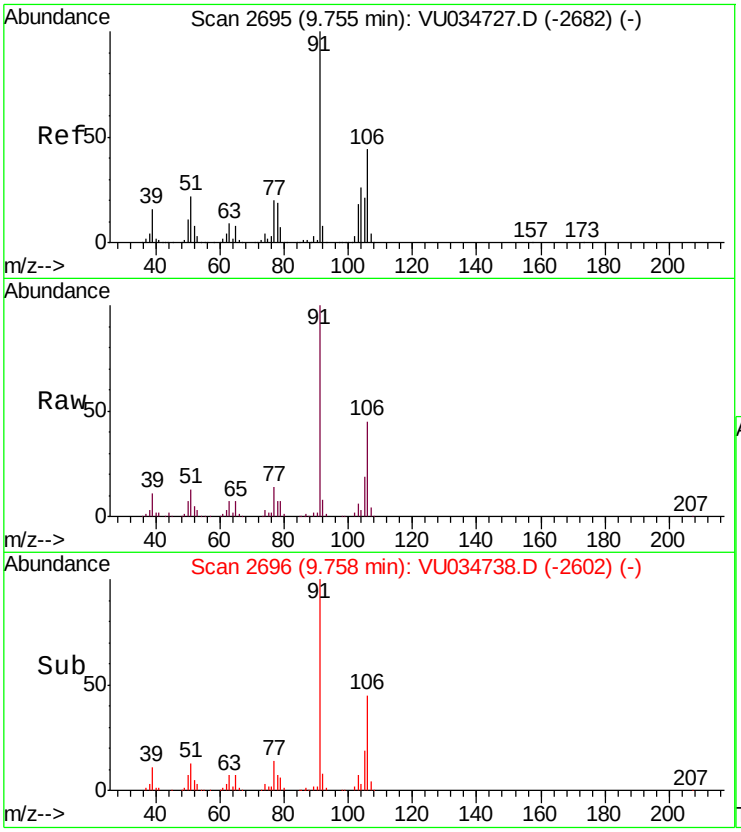


#53
m,p-Xylene
Concen: 23.672 ug/L
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034738.D
Acq: 23 Sep 2019 17:02

Tgt Ion:106 Resp: 162765

Ion	Ratio	Lower	Upper
106	100		
91	207.6	146.9	272.7



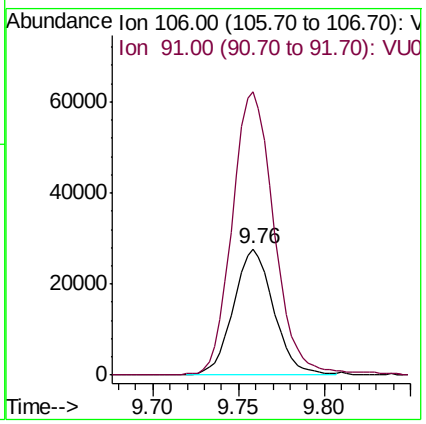


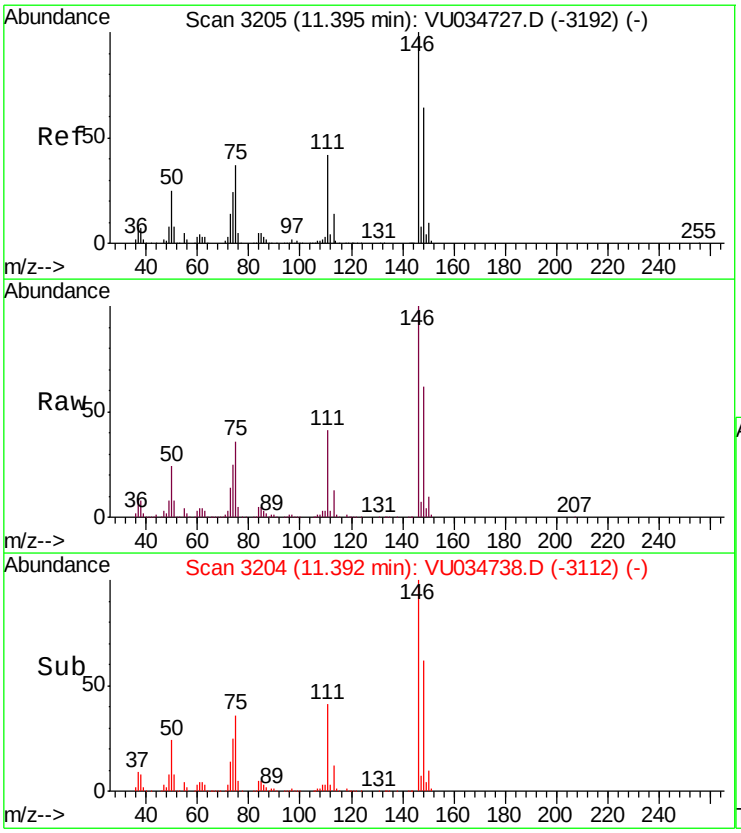
#54
o-xylene
Concen: 6.625 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034738.D
Acq: 23 Sep 2019 17:02

Instrument :
MSVOA_U
ClientSampleId :
C0AW2

Tgt Ion:106 Resp: 45058

Ion	Ratio	Lower	Upper
106	100		
91	224.5	155.6	289.0

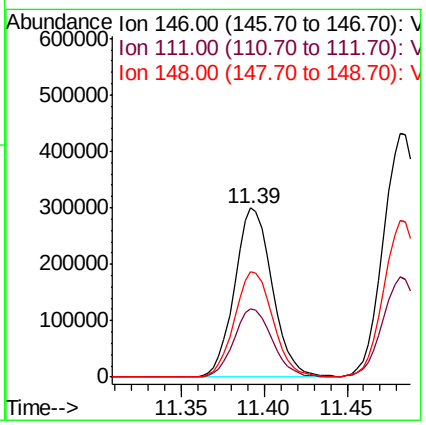


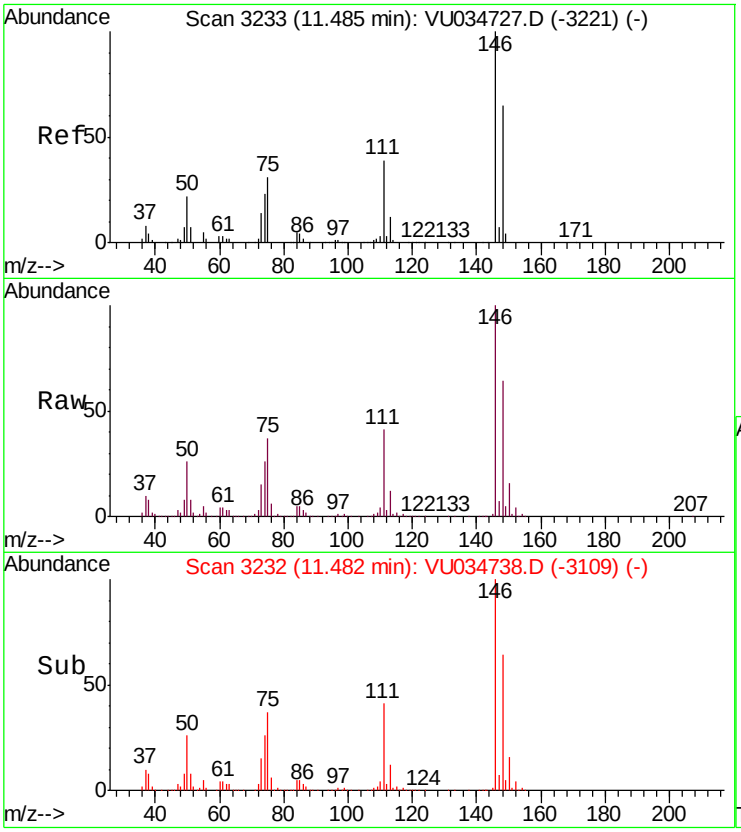


#62
1,3-Dichlorobenzene
Concen: 61.130 ug/L
RT: 11.39 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VU034738.D
Acq: 23 Sep 2019 17:02

Tgt Ion:146 Resp: 474387

Ion	Ratio	Lower	Upper
146	100		
111	40.5	30.4	56.5
148	62.1	46.1	85.7



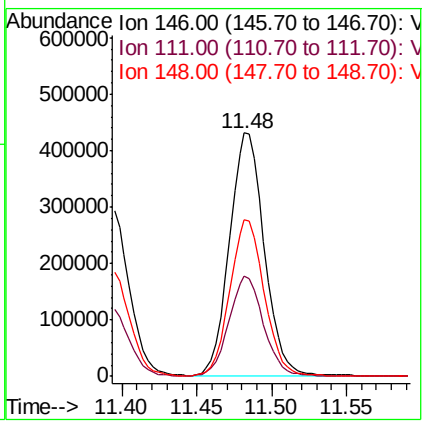


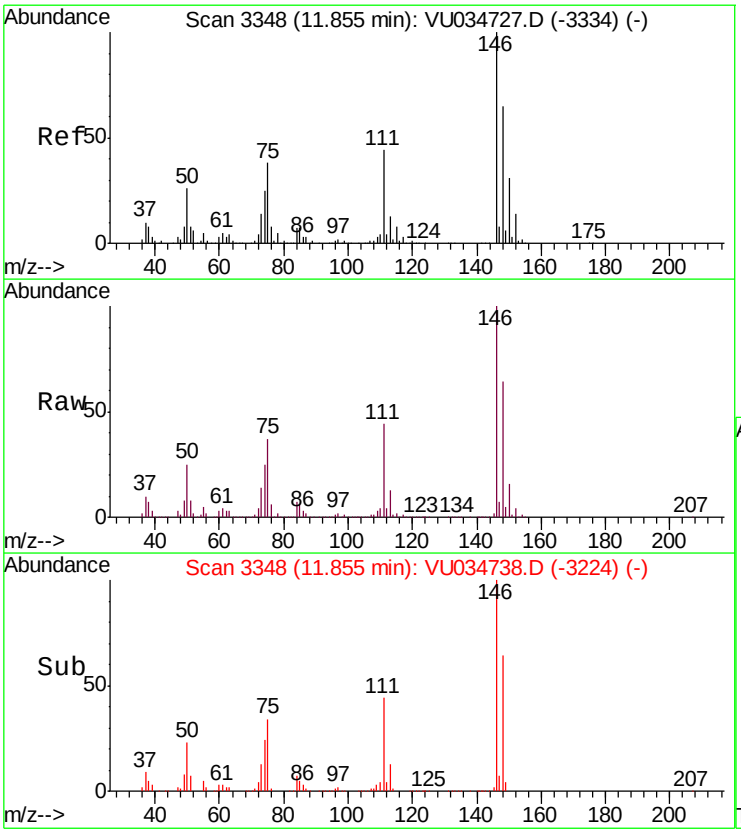
#63
1,4-Dichlorobenzene
Concen: 87.760 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. -0.00 min
Lab File: VU034738.D
Acq: 23 Sep 2019 17:02

Instrument : MSVOA_U
ClientSampleId : C0AW2

Tgt Ion:146 Resp: 693770

Ion	Ratio	Lower	Upper
146	100		
111	41.0	29.5	54.9
148	64.5	44.4	82.4

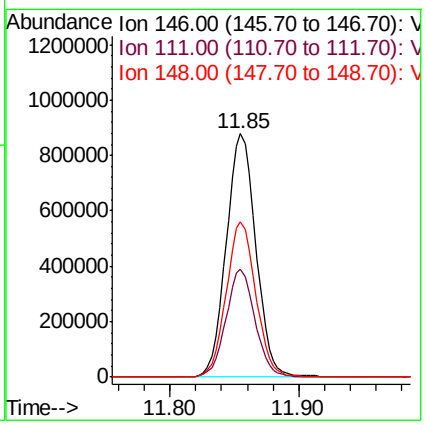


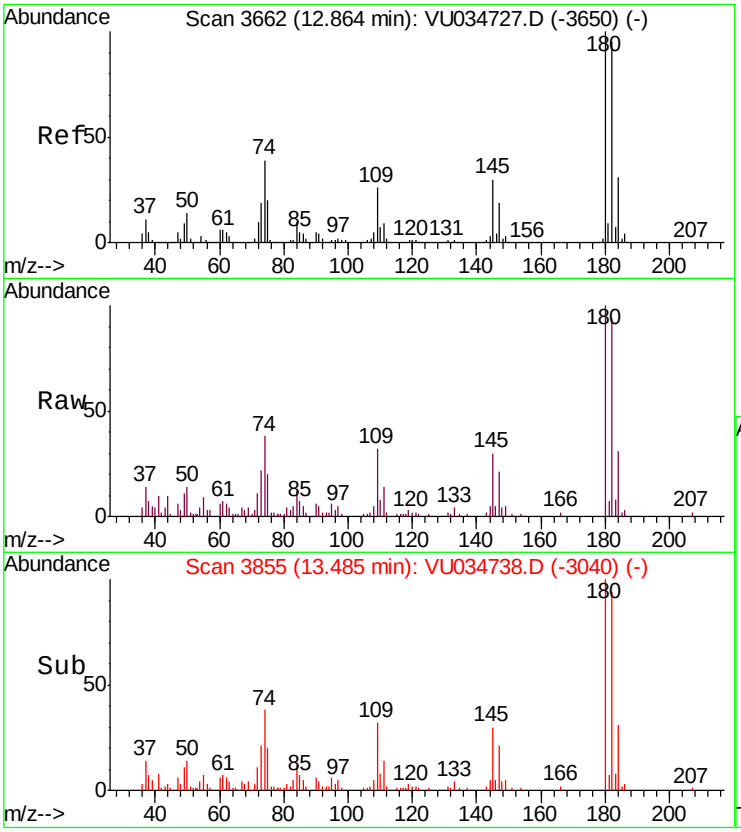


#65
1,2-Dichlorobenzene
Concen: 178.089 ug/L
RT: 11.85 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VU034738.D
Acq: 23 Sep 2019 17:02

Tgt Ion:146 Resp: 1396412

Ion	Ratio	Lower	Upper
146	100		
111	44.5	35.2	52.8
148	63.8	53.0	79.6



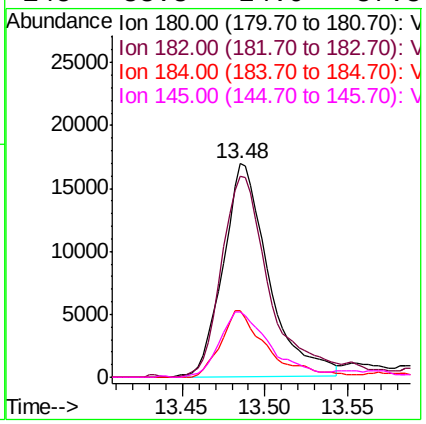


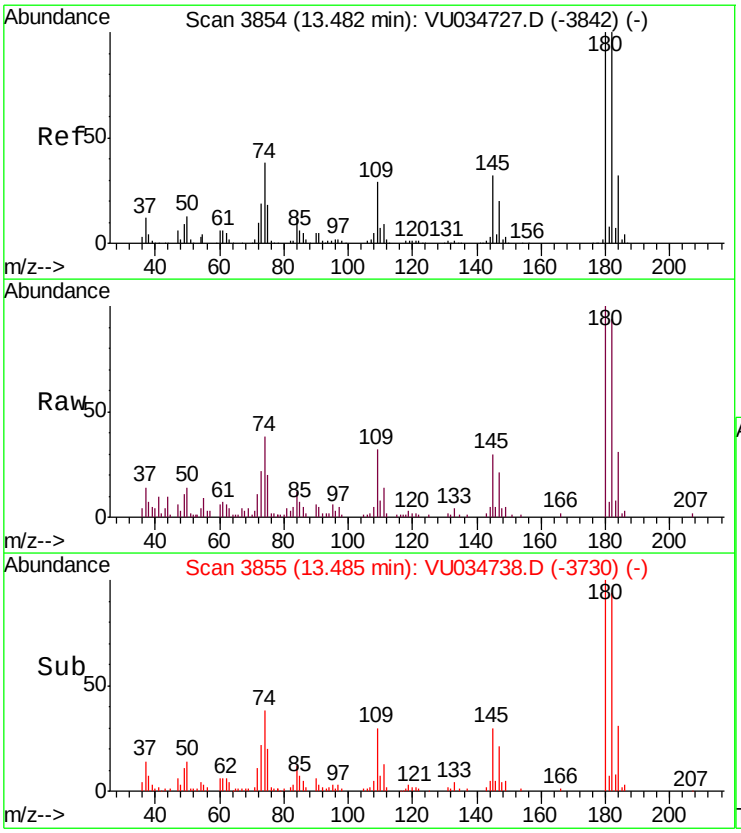
#67
1,3,5-Trichlorobenzene
Concen: 6.236 ug/L
RT: 13.48 min Scan# 3855
Delta R.T. 0.62 min
Lab File: VU034738.D
Acq: 23 Sep 2019 17:02

Instrument :
MSVOA_U
ClientSampleId :
C0AW2

Tgt Ion:180 Resp: 32426

Ion	Ratio	Lower	Upper
180	100		
182	99.1	79.2	118.8
184	28.4	24.6	36.8
145	33.8	24.9	37.3

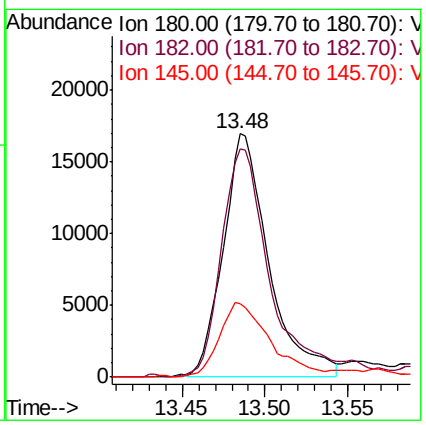


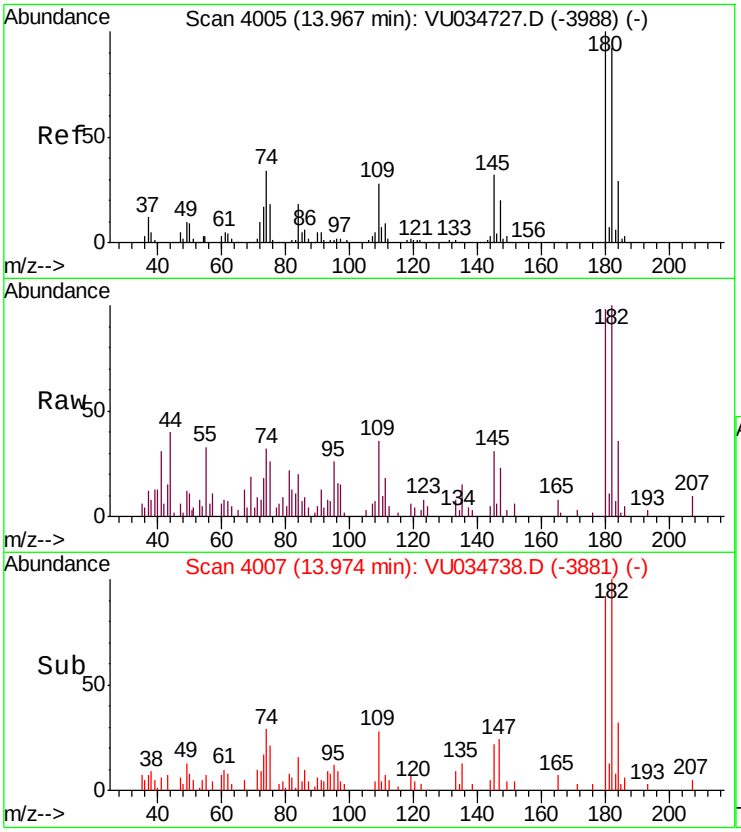


#68
1,2,4-trichlorobenzene
Concen: 7.930 ug/L
RT: 13.48 min Scan# 3855
Delta R.T. 0.00 min
Lab File: VU034738.D
Acq: 23 Sep 2019 17:02

Tgt Ion:180 Resp: 32426

Ion	Ratio	Lower	Upper
180	100		
182	99.1	75.7	113.5
145	33.8	25.2	37.8





#70
1,2,3-Trichlorobenzene
Concen: 2.396 ug/L
RT: 13.97 min Scan# 4007
Delta R.T. 0.01 min
Lab File: VU034738.D
Acq: 23 Sep 2019 17:02

Instrument :
MSVOA_U
ClientSampleId :
C0AW2

Tgt Ion:180 Resp: 10079

Ion	Ratio	Lower	Upper
180	100		
182	107.4	79.2	118.8
145	34.8	26.0	39.0