Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092820\
Data File : VU040344.D
Acq On : 28 Sep 2020 20:15
Operator : SY/MD
Sample : L4139-05DL 100X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG490DL

Quant Time: Sep 29 09:05:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 29 07:18:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	127899	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	125387	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	60126	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.60	65	37836	5.42	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 108.40%			
7) Chloroethane-d5	1.92	69	35911	6.17	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 123.40%			
11) 1,1-Dichloroethene-d2	2.58	63	64033	3.57	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 71.40%			
20) 2-Butanone-d5	4.66	46	172632	61.81	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 123.62%			
24) Chloroform-d	5.08	84	83288	5.11	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 102.20%			
26) 1,2-Dichloroethane-d4	5.72	65	52456	5.21	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 104.20%			
32) Benzene-d6	5.75	84	162322	5.54	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 110.80%			
36) 1,2-Dichloropropane-d6	6.70	67	55379	5.74	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 114.80%			
41) Toluene-d8	7.91	98	133409	5.04	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 100.80%			
43) trans-1,3-Dichloropropene-	8.19	79	19798	4.47	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 89.40%			
46) 2-Hexanone-d5	8.64	63	123569	58.85	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 117.70%			
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46887	5.62	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 112.40%			
64) 1,2-Dichlorobenzene-d4	12.19	152	56143	5.77	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 115.40%			
Target Compounds						Qvalue
16) Methylene chloride	3.06	84	2270	0.175	ug/L #	66
25) Chloroform	5.11	83	4188	0.187	ug/L	92
33) Benzene	5.79	78	115766	2.581	ug/L	100
42) Toluene	7.97	91	13737	0.297	ug/L	92
51) Chlorobenzene	9.45	112	30213	1.053	ug/L	93
52) Ethylbenzene	9.57	91	57687	1.099	ug/L	98
53) m,p-Xylene	9.69	106	72095	3.858	ug/L	96
54) o-Xylene	10.10	106	11582	0.650	ug/L	87
56) Isopropylbenzene	10.48	105	7527	0.155	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	2463	0.111	ug/L	88
65) 1,2-Dichlorobenzene	12.20	146	5508	0.259	ug/L	95

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

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Instrument : MSVOA_U
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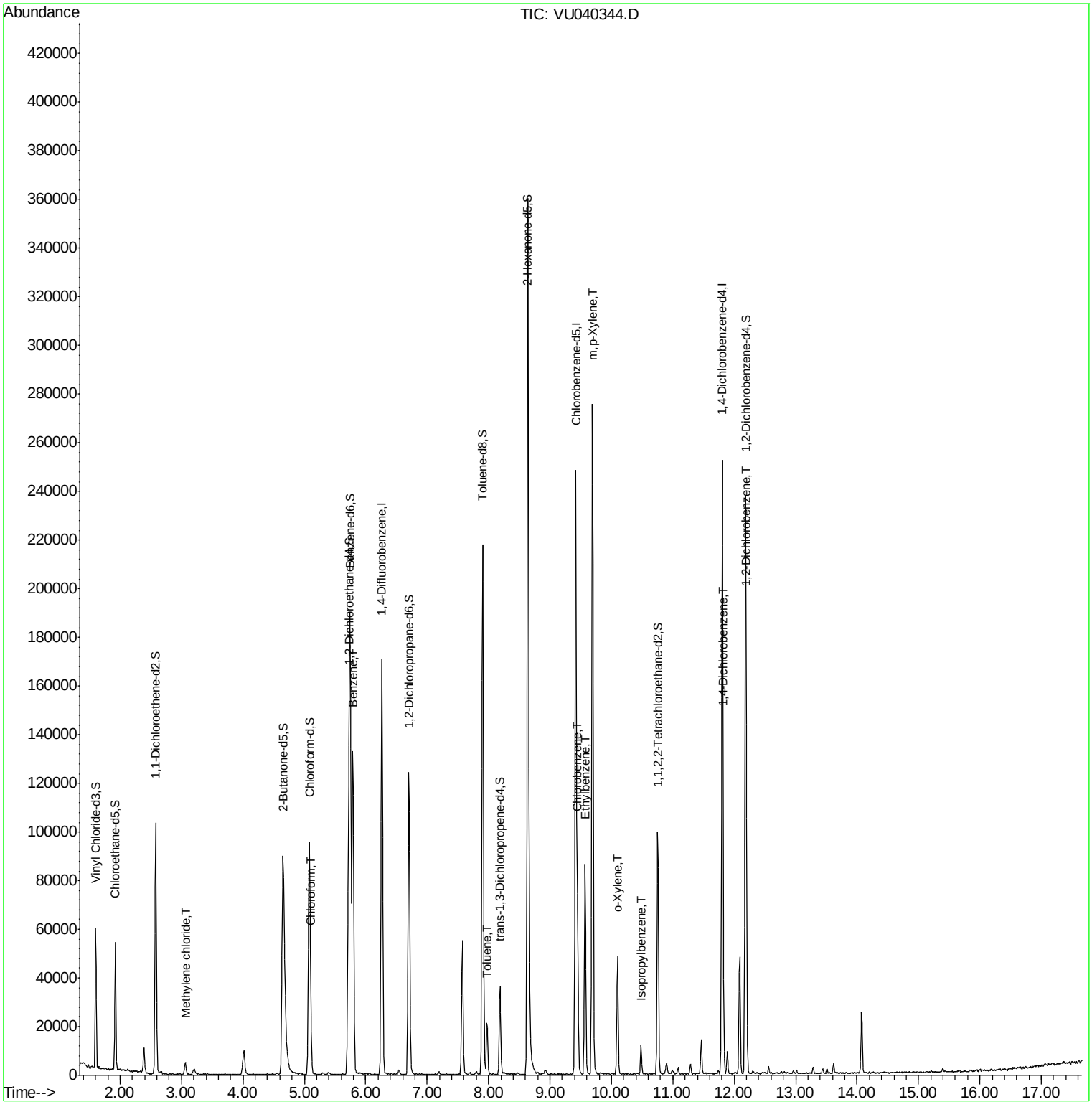
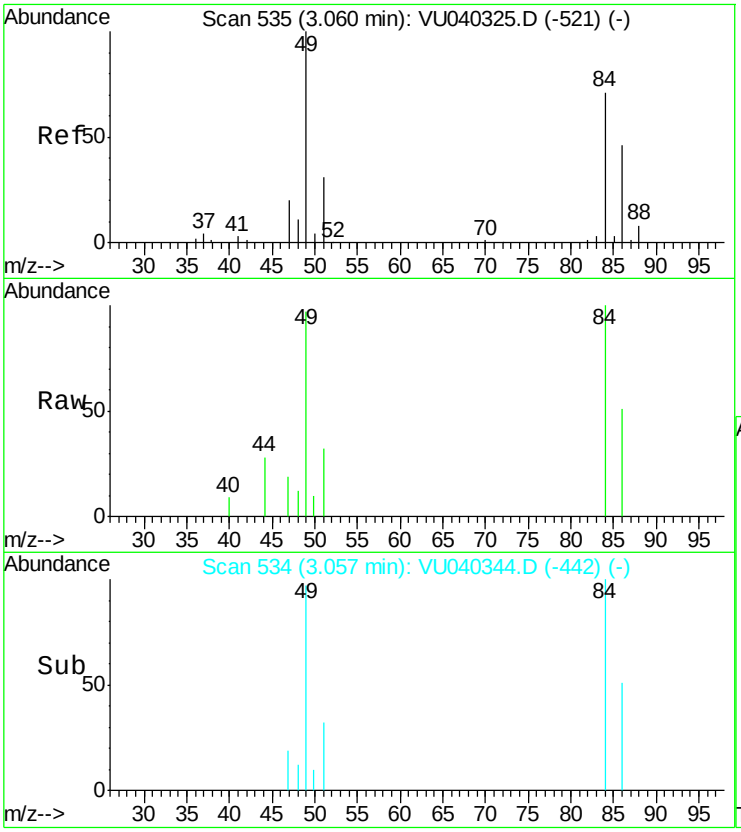
Quant Time: Sep 29 09:05:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 29 07:18:40 2020
Response via : Initial Calibration



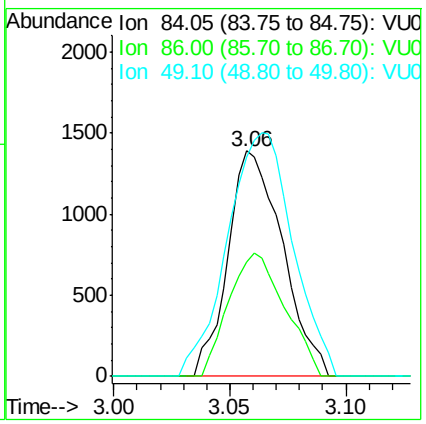


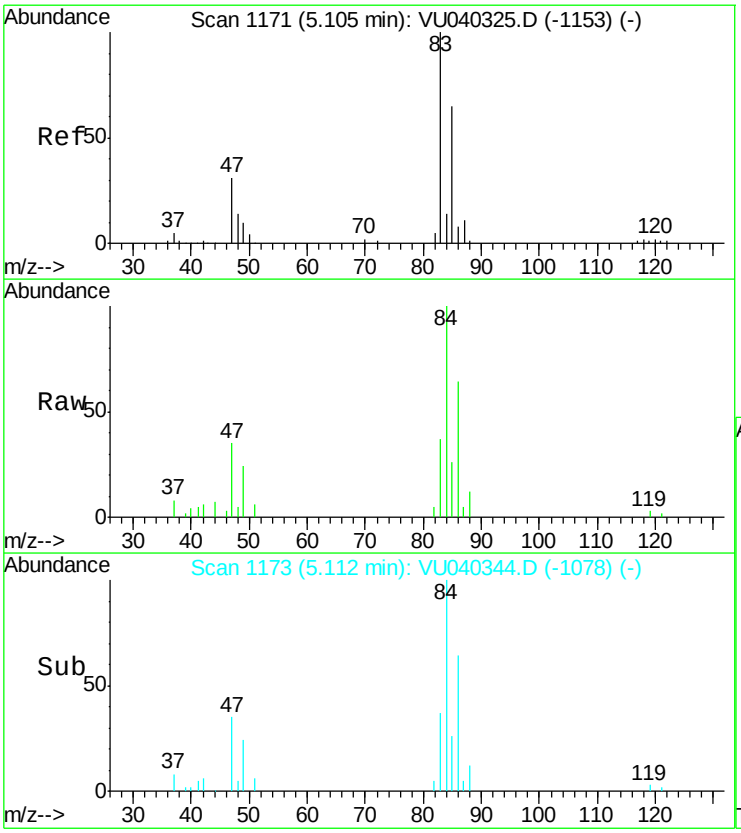
#16
Methylene chloride
Concen: 0.175 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU040344.D
Acq: 28 Sep 2020 20:15

Instrument : MSVOA_U
ClientSampleId : BG490DL

Tgt Ion: 84 Resp: 2270

Ion	Ratio	Lower	Upper
84	100		
86	51.0	45.2	84.0
49	97.2	104.0	193.2#

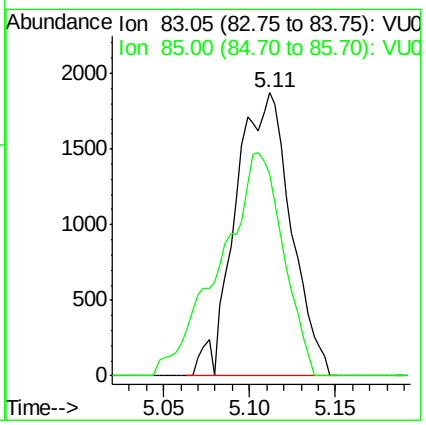


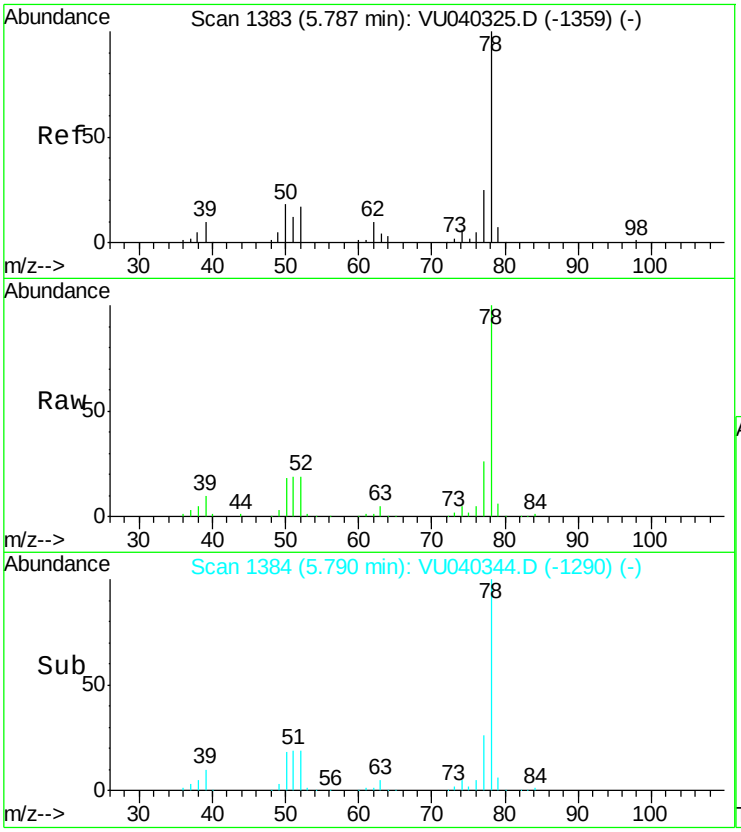


#25
Chloroform
Concen: 0.187 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU040344.D
Acq: 28 Sep 2020 20:15

Tgt Ion: 83 Resp: 4188

Ion	Ratio	Lower	Upper
83	100		
85	71.2	45.3	84.1

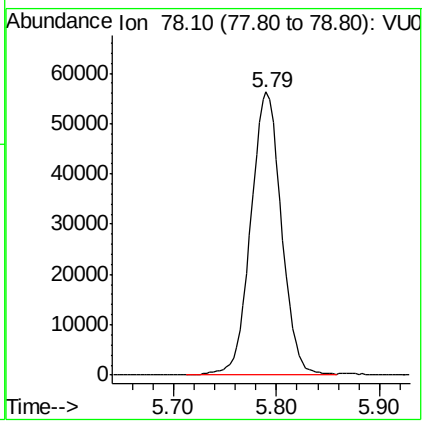


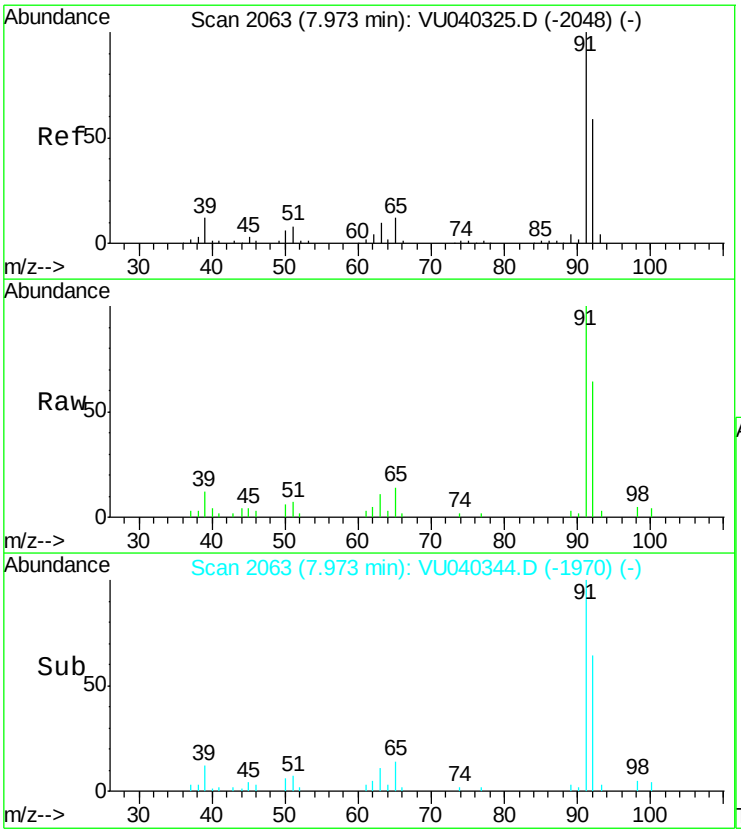


#33
Benzene
Concen: 2.581 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040344.D
Acq: 28 Sep 2020 20:15

Instrument :
MSVOA_U
ClientSampleId :
BG490DL

Tgt Ion: 78 Resp: 115766

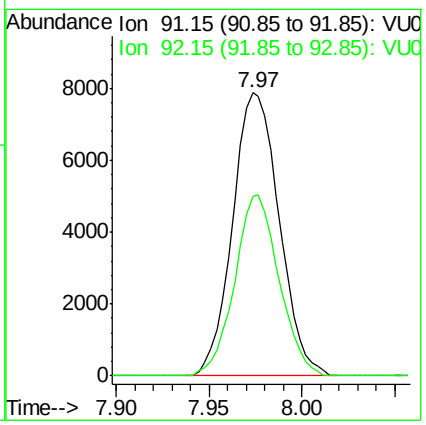


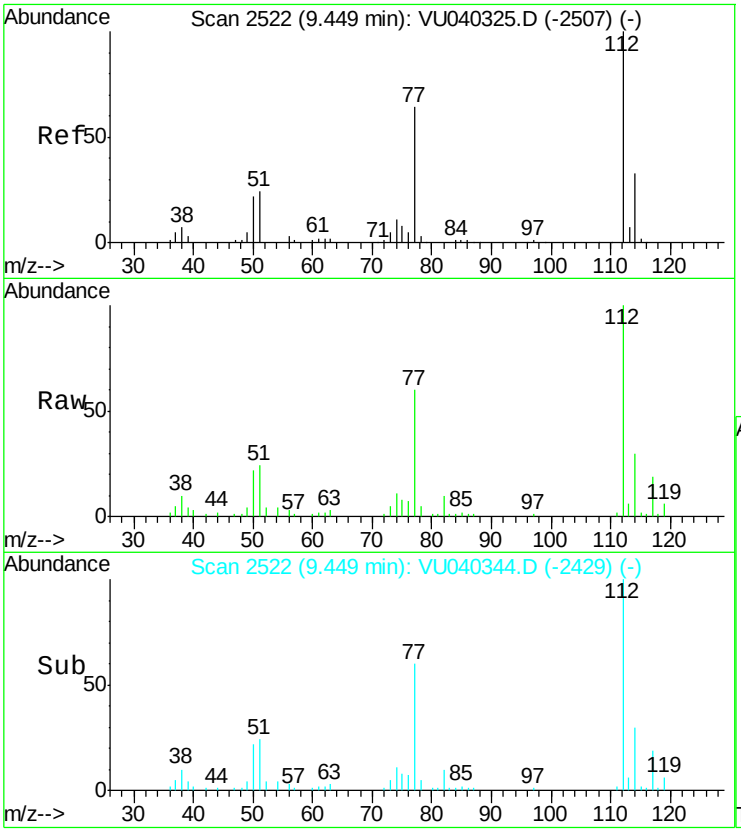


#42
Toluene
Concen: 0.297 ug/L
RT: 7.97 min Scan# 2063
Delta R.T. 0.00 min
Lab File: VU040344.D
Acq: 28 Sep 2020 20:15

Tgt Ion: 91 Resp: 13737

Ion	Ratio	Lower	Upper
91	100		
92	63.7	40.7	75.5



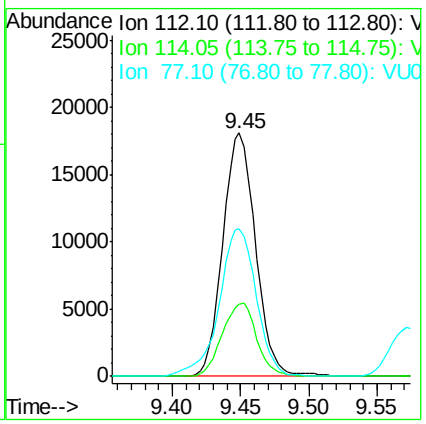


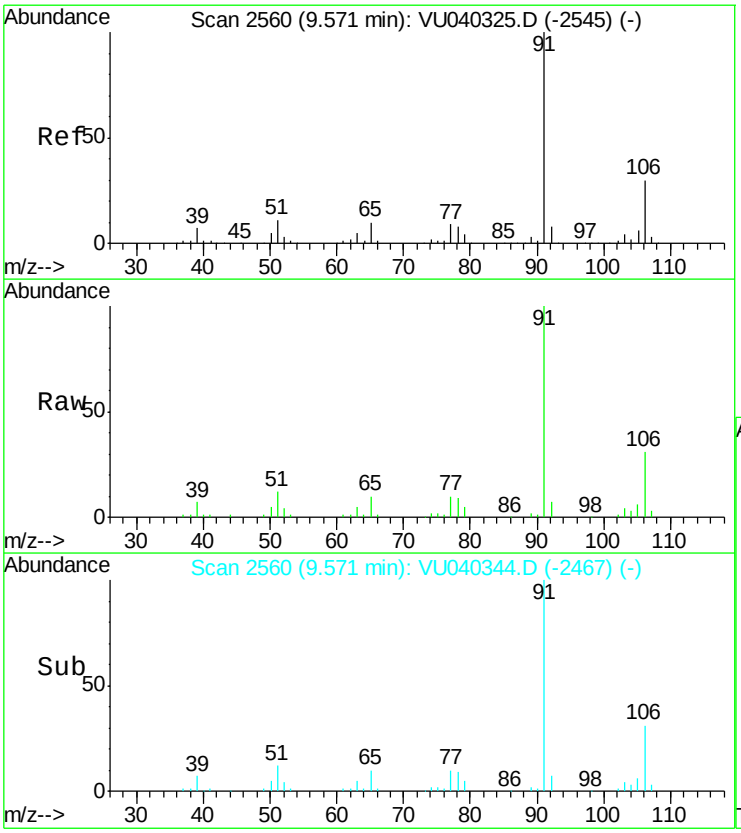
#51
Chlorobenzene
Concen: 1.053 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040344.D
Acq: 28 Sep 2020 20:15

Instrument :
MSVOA_U
ClientSampleId :
BG490DL

Tgt Ion:112 Resp: 30213

Ion	Ratio	Lower	Upper
112	100		
114	29.6	22.7	42.3
77	60.4	53.2	79.8

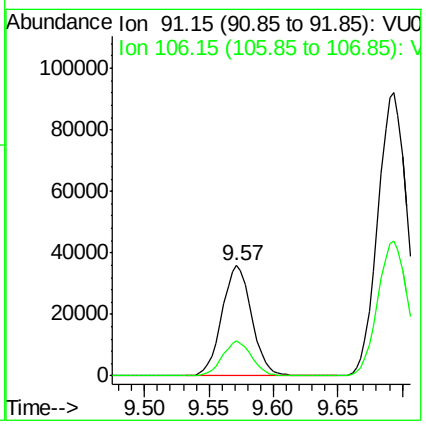


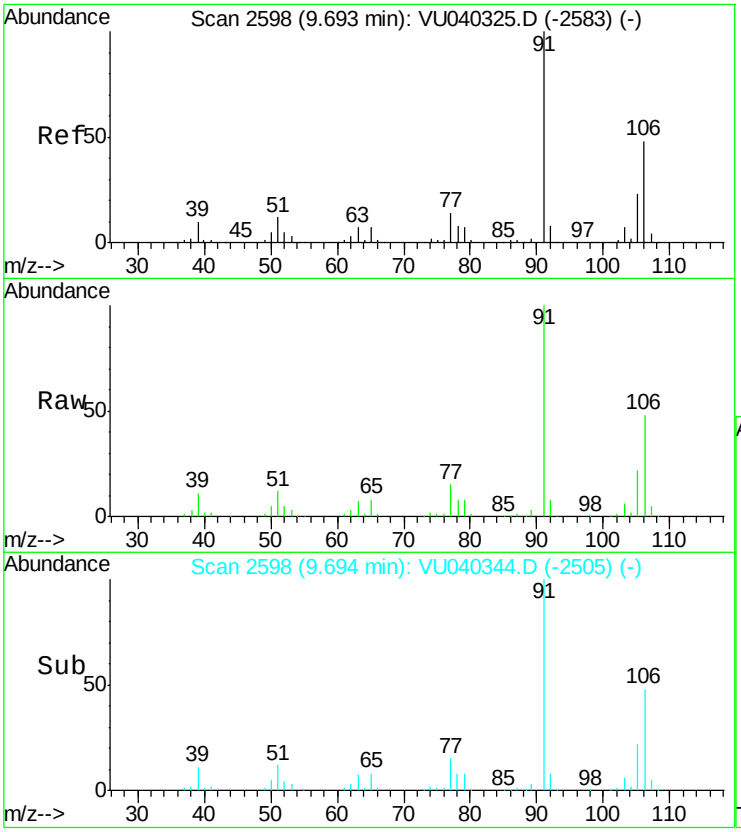


#52
Ethylbenzene
Concen: 1.099 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040344.D
Acq: 28 Sep 2020 20:15

Tgt Ion: 91 Resp: 57687

Ion	Ratio	Lower	Upper
91	100		
106	31.4	21.0	39.0



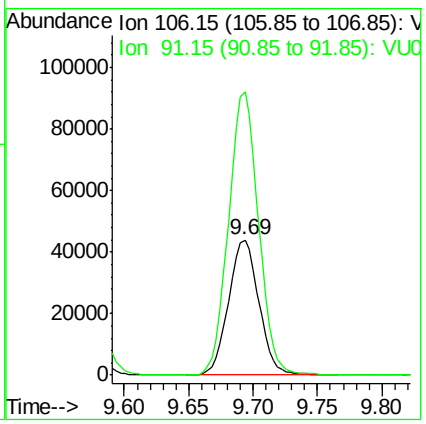


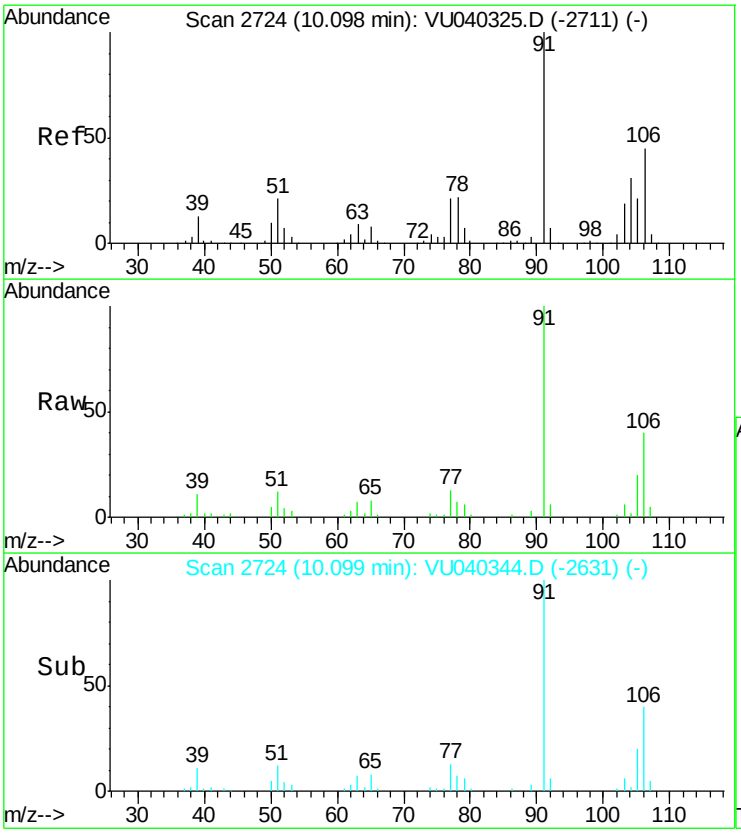
#53
m,p-Xylene
Concen: 3.858 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU040344.D
Acq: 28 Sep 2020 20:15

Instrument :
MSVOA_U
ClientSampleId :
BG490DL

Tgt Ion:106 Resp: 72095

Ion	Ratio	Lower	Upper
106	100		
91	209.6	151.7	281.7

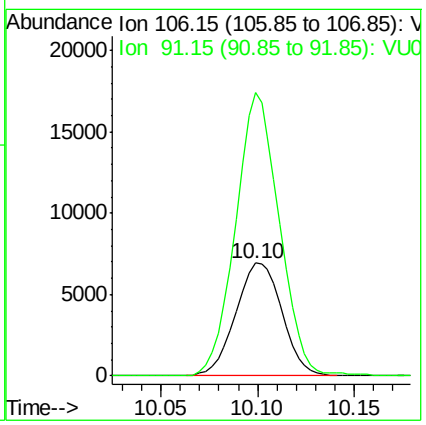


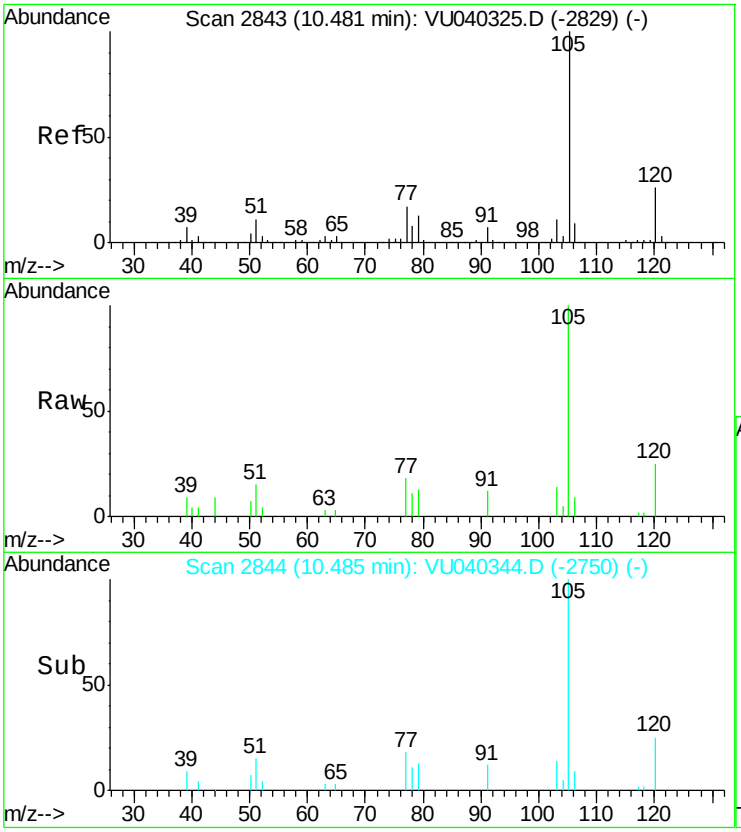


#54
o-Xylene
Concen: 0.650 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU040344.D
Acq: 28 Sep 2020 20:15

Tgt Ion:106 Resp: 11582

Ion	Ratio	Lower	Upper
106	100		
91	251.5	160.8	298.6



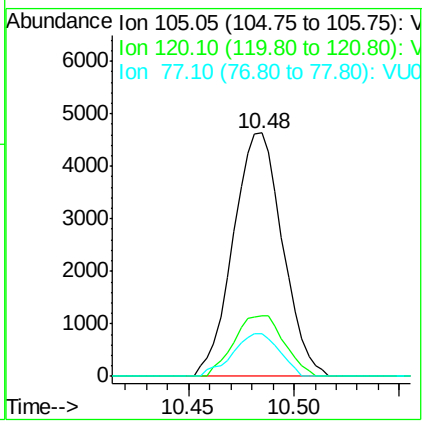


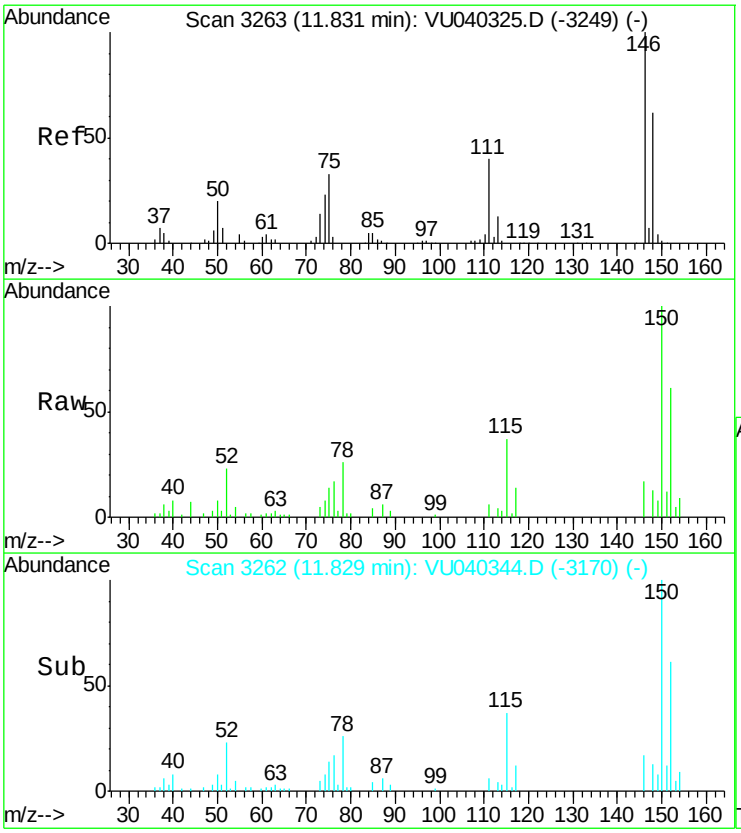
#56
Isopropylbenzene
Concen: 0.155 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. 0.00 min
Lab File: VU040344.D
Acq: 28 Sep 2020 20:15

Instrument :
MSVOA_U
ClientSampleId :
BG490DL

Tgt Ion:105 Resp: 7527

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.1	30.1
77	16.6	14.4	21.6

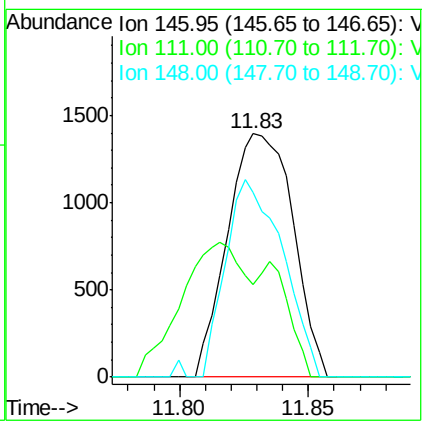


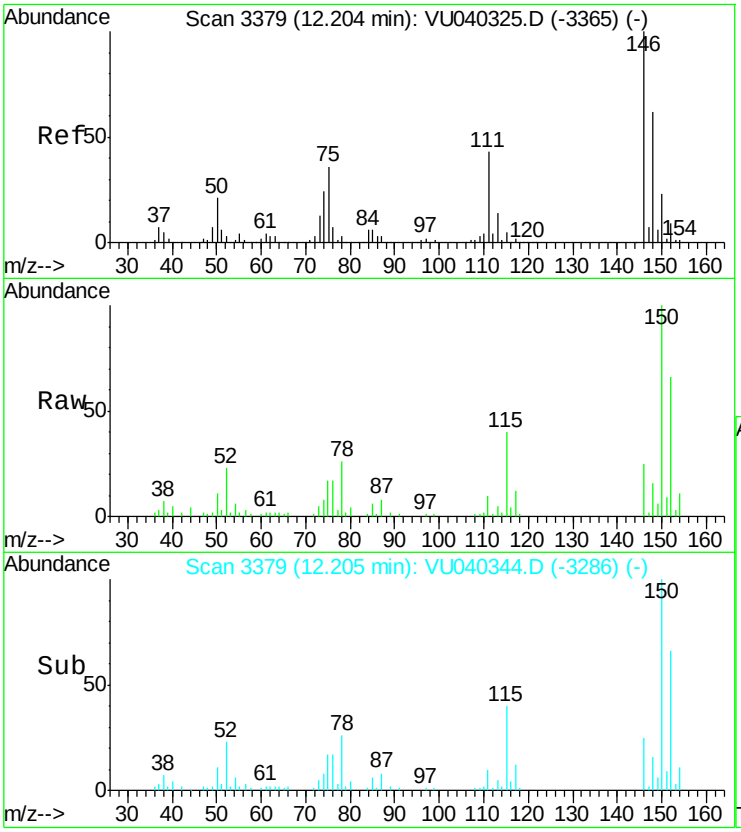


#63
1,4-Dichlorobenzene
Concen: 0.111 ug/L
RT: 11.83 min Scan# 3262
Delta R.T. -0.00 min
Lab File: VU040344.D
Acq: 28 Sep 2020 20:15

Tgt Ion:146 Resp: 2463

Ion	Ratio	Lower	Upper
146	100		
111	38.0	30.5	56.7
148	75.7	45.4	84.4





#65
1,2-Dichlorobenzene
Concen: 0.259 ug/L
RT: 12.20 min Scan# 3379
Delta R.T. 0.00 min
Lab File: VU040344.D
Acq: 28 Sep 2020 20:15

Instrument :
MSVOA_U
ClientSampleId :
BG490DL

Tgt Ion:146 Resp: 5508

Ion	Ratio	Lower	Upper
146	100		
111	40.6	36.5	54.7
148	63.1	48.6	72.8