Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092620\
Data File : VU040317.D
Acq On : 25 Sep 2020 22:06
Operator : SY/MD
Sample : L4139-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG490

Quant Time: Sep 28 09:49:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 26 06:44:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	142998	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	138726	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	71537	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.60	65	34430	4.41	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 88.20%			
7) Chloroethane-d5	1.92	69	32873	5.05	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 101.00%			
11) 1,1-Dichloroethene-d2	2.57	63	53015	2.65	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 53.00%#			
20) 2-Butanone-d5	4.74	46	142258	45.55	ug/L	0.07
Spiked Amount 50.000	Range 40 - 130		Recovery = 91.10%			
24) Chloroform-d	5.08	84	81121	4.45	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 89.00%			
26) 1,2-Dichloroethane-d4	5.73	65	48703	4.33	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 86.60%			
32) Benzene-d6	5.74	84	150742	4.65	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 93.00%			
36) 1,2-Dichloropropane-d6	6.70	67	50854	4.76	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 95.20%			
41) Toluene-d8	7.90	98	126683	4.33	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 86.60%			
43) trans-1,3-Dichloropropene-	8.19	79	20064	4.09	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 81.80%			
46) 2-Hexanone-d5	8.65	63	115444	49.70	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 99.40%			
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47075	5.10	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 102.00%			
64) 1,2-Dichlorobenzene-d4	12.19	152	52332	4.52	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 90.40%			
Target Compounds						Qvalue
5) Vinyl chloride	1.60	62	22051	1.601	ug/L #	70
8) Chloroethane	1.94	64	25306	3.057	ug/L	96
14) Carbon disulfide	2.80	76	2967	0.084	ug/L #	79
19) 1,1-Dichloroethane	3.88	63	3490	0.142	ug/L	88
22) cis-1,2-Dichloroethene	4.68	96	84169	6.576	ug/L	97
30) Cyclohexane	5.39	56	41084	1.945	ug/L	97
33) Benzene	5.79	78	13224359	266.468	ug/L	100
35) Methylcyclohexane	6.77	83	25541	1.253	ug/L	96
42) Toluene	7.97	91	1471518	28.792	ug/L	100
51) Chlorobenzene	9.45	112	3517286	110.845	ug/L	99
52) Ethylbenzene	9.57	91	7622584	131.265	ug/L	99
53) m,p-Xylene	9.70	106	8518924	412.036	ug/L	69
54) o-Xylene	10.10	106	1549401	78.642	ug/L	97
56) Isopropylbenzene	10.48	105	1042449	19.401	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	80127	3.064	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	285577	10.794	ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	606946	23.990	ug/L	97

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092620\
Data File : VU040317.D
Acq On : 25 Sep 2020 22:06
Operator : SY/MD
Sample : L4139-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG490

Quant Time: Sep 28 09:49:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 26 06:44:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) 1,2,4-trichlorobenzene	13.83	180	11748	0.742	ug/L	#	89

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
Data File : VU040317.D
Acq On : 25 Sep 2020 22:06
Operator : SY/MD
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Misc : 25.0mL/MSVOA U/WATER
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MSVOA_U
ClientSampleId :
BG490

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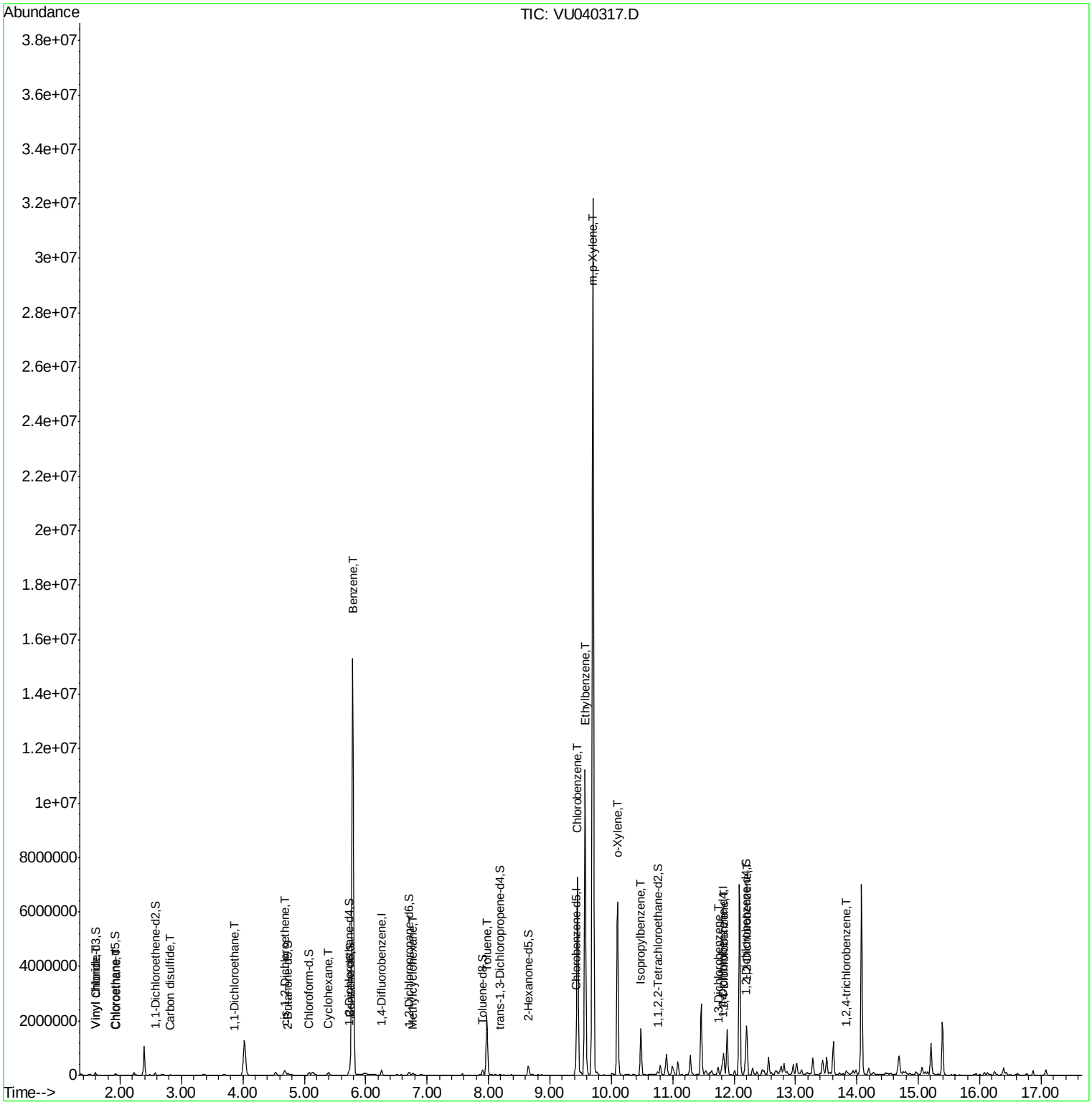
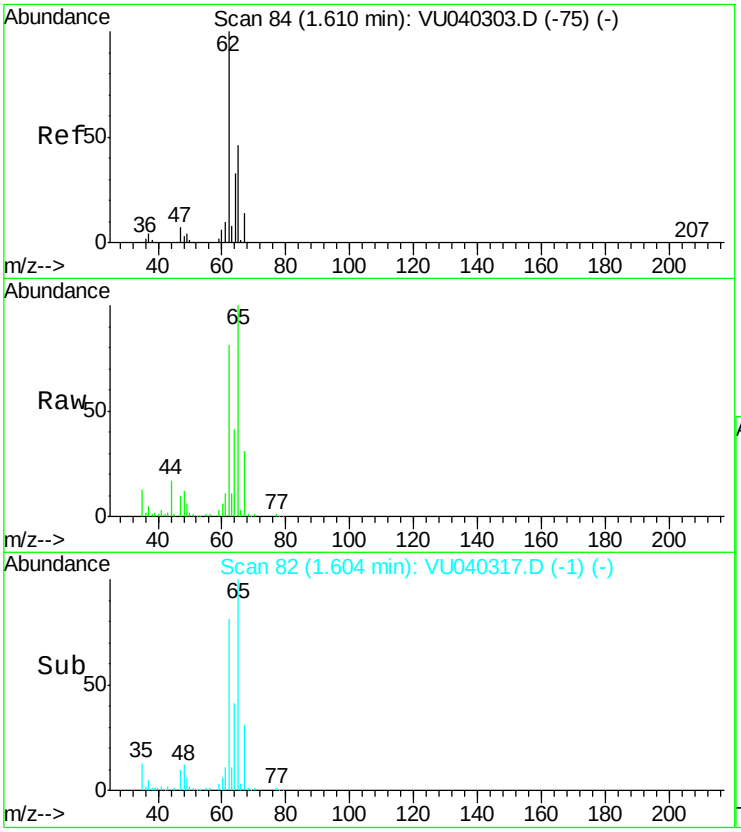


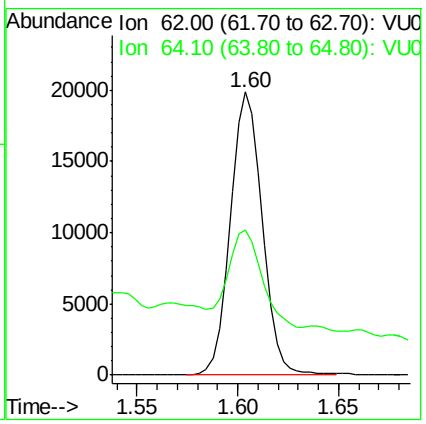


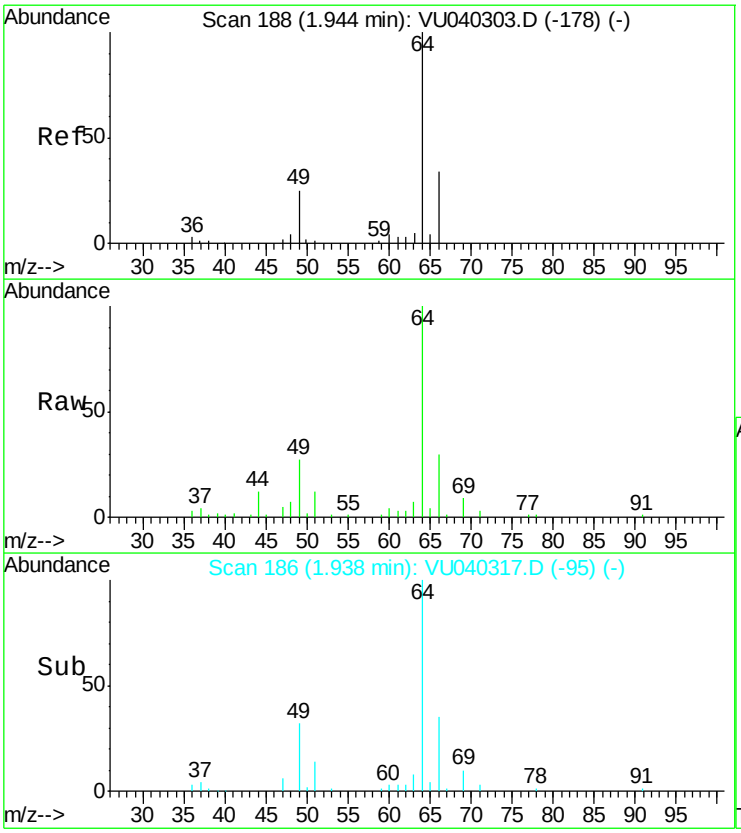
#5
Vinyl chloride
Concen: 1.601 ug/L
RT: 1.60 min Scan# 82
Delta R.T. -0.01 min
Lab File: VU040317.D
Acq: 25 Sep 2020 22:06

Instrument : MSVOA_U
ClientSampleId : BG490

Tgt Ion: 62 Resp: 22051

Ion	Ratio	Lower	Upper
62	100		
64	51.3	23.9	44.3#

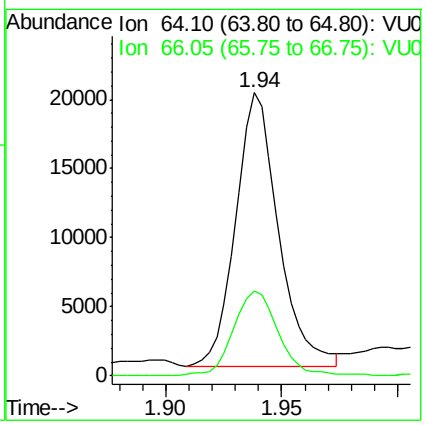


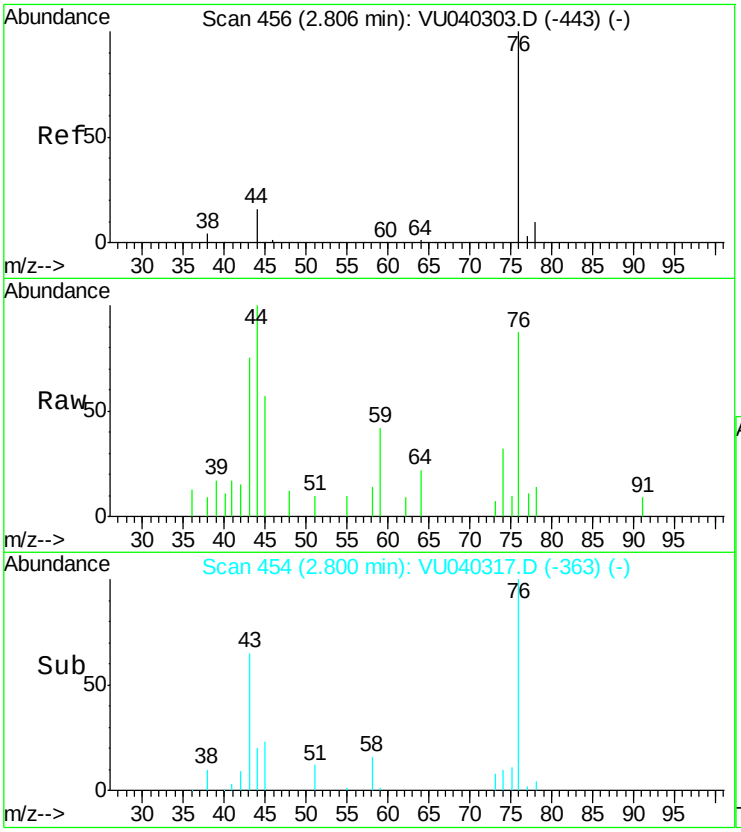


#8
Chloroethane
Concen: 3.057 ug/L
RT: 1.94 min Scan# 186
Delta R.T. -0.01 min
Lab File: VU040317.D
Acq: 25 Sep 2020 22:06

Tgt Ion: 64 Resp: 25306

Ion	Ratio	Lower	Upper
64	100		
66	29.9	22.7	42.1



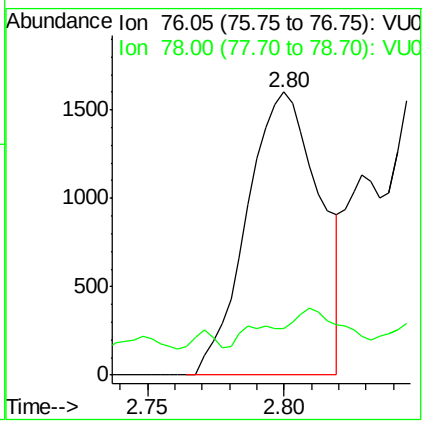


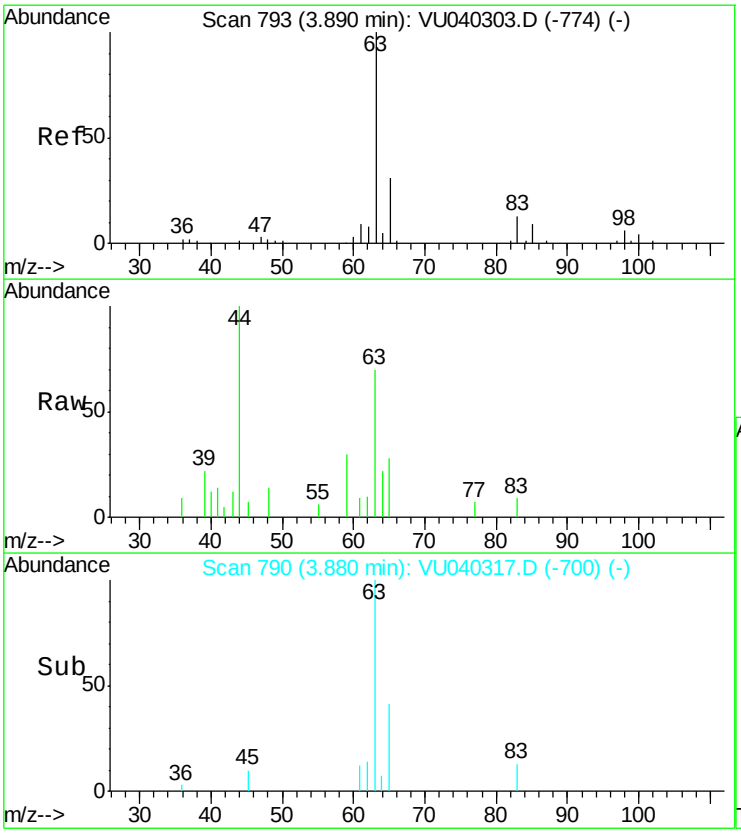
#14
Carbon disulfide
Concen: 0.084 ug/L
RT: 2.80 min Scan# 454
Delta R.T. -0.01 min
Lab File: VU040317.D
Acq: 25 Sep 2020 22:06

Instrument : MSVOA_U
ClientSampleId : BG490

Tgt Ion: 76 Resp: 2967

Ion	Ratio	Lower	Upper
76	100		
78	16.6	7.2	10.8#

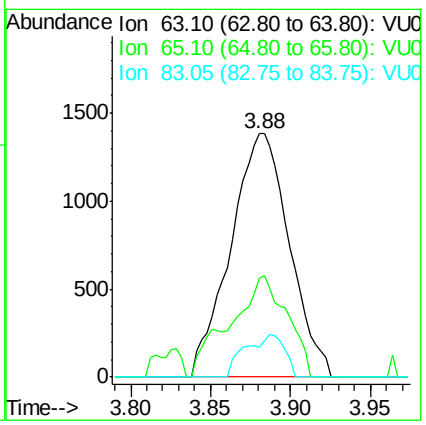


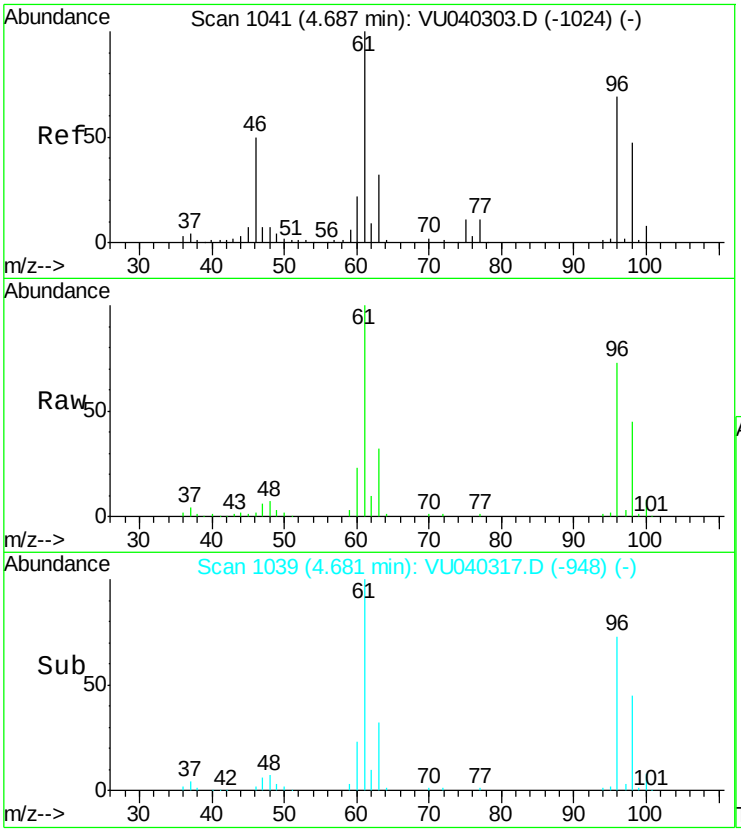


#19
1,1-Dichloroethane
Concen: 0.142 ug/L
RT: 3.88 min Scan# 790
Delta R.T. -0.01 min
Lab File: VU040317.D
Acq: 25 Sep 2020 22:06

Tgt Ion: 63 Resp: 3490

Ion	Ratio	Lower	Upper
63	100		
65	40.6	22.2	41.2
83	12.5	9.4	17.6



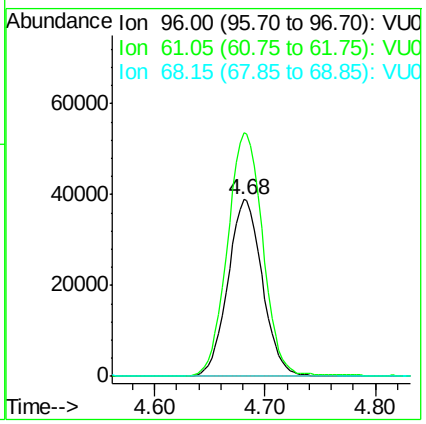


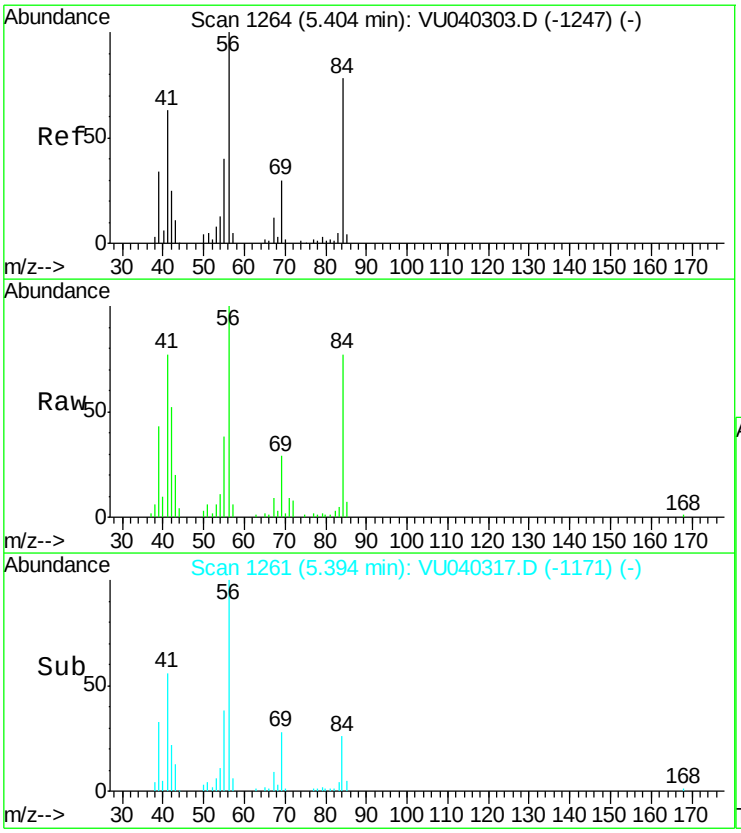
#22
cis-1,2-Dichloroethene
Concen: 6.576 ug/L
RT: 4.68 min Scan# 1039
Delta R.T. -0.01 min
Lab File: VU040317.D
Acq: 25 Sep 2020 22:06

Instrument : MSVOA_U
ClientSampleId : BG490

Tgt Ion: 96 Resp: 84169

Ion	Ratio	Lower	Upper
96	100		
61	137.9	98.8	183.4
68	0.0	0.0	0.0

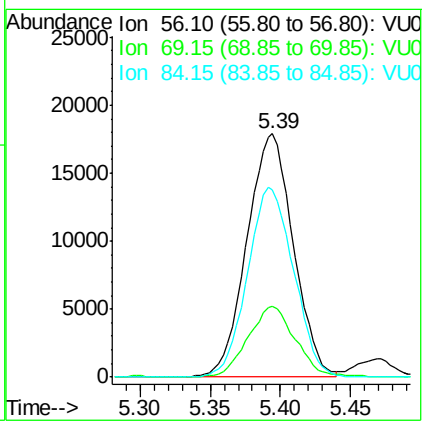


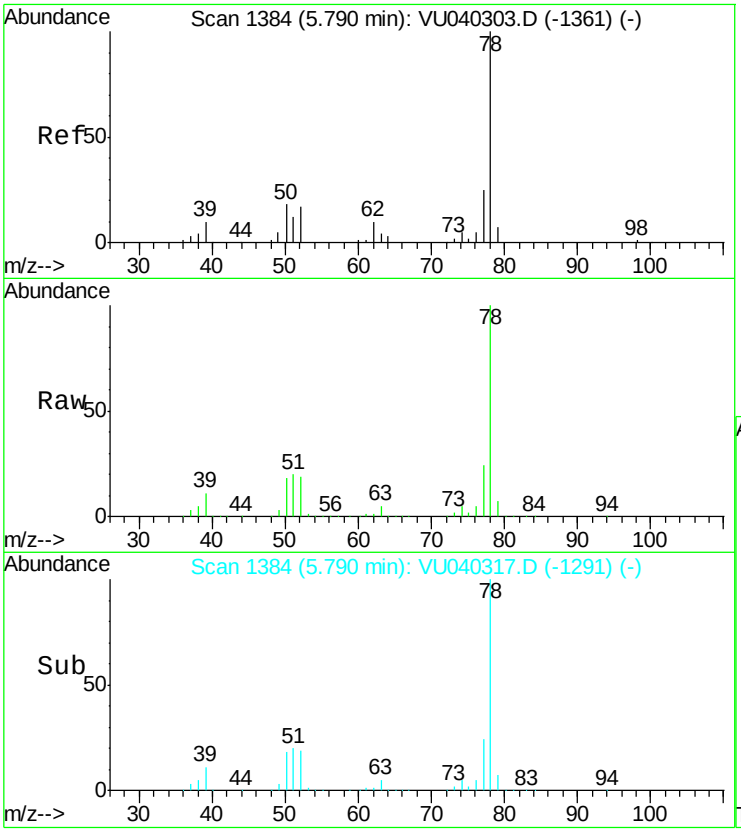


#30
Cyclohexane
Concen: 1.945 ug/L
RT: 5.39 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VU040317.D
Acq: 25 Sep 2020 22:06

Tgt Ion: 56 Resp: 41084

Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.1	36.1
84	77.4	65.0	97.4

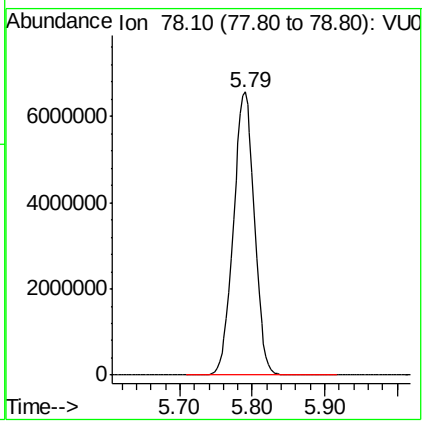


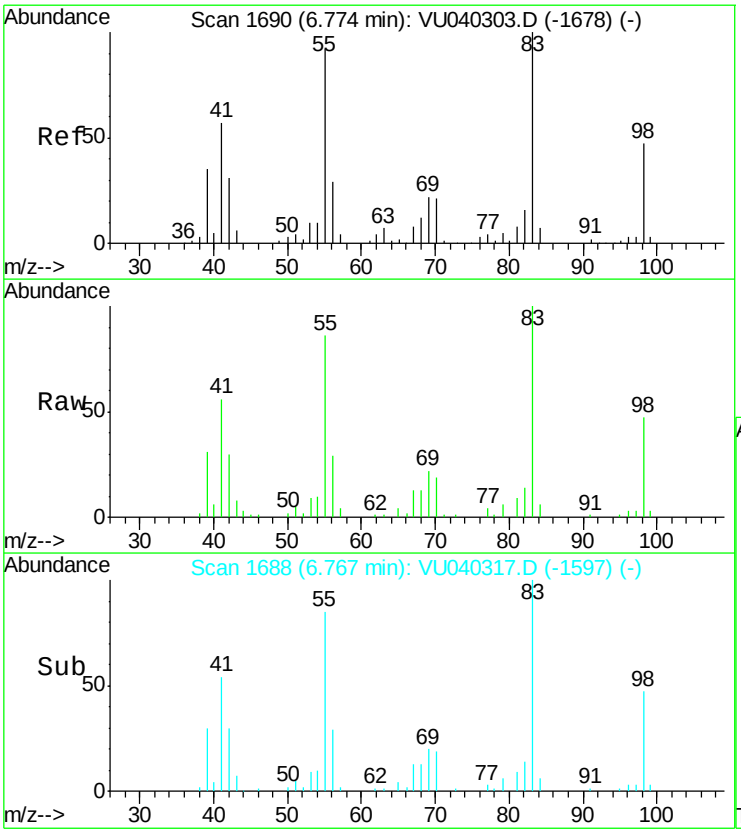


#33
Benzene
Concen: 266.468 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.00 min
Lab File: VU040317.D
Acq: 25 Sep 2020 22:06

Instrument :
MSVOA_U
ClientSampleId :
BG490

Tgt Ion: 78 Resp:13224359

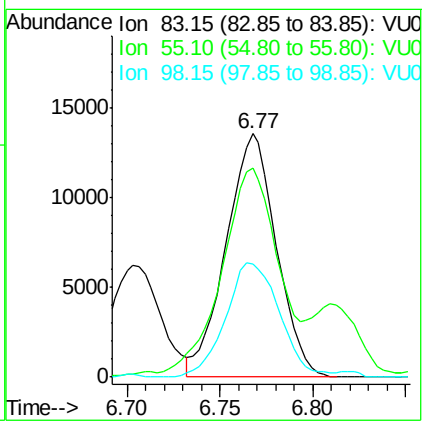


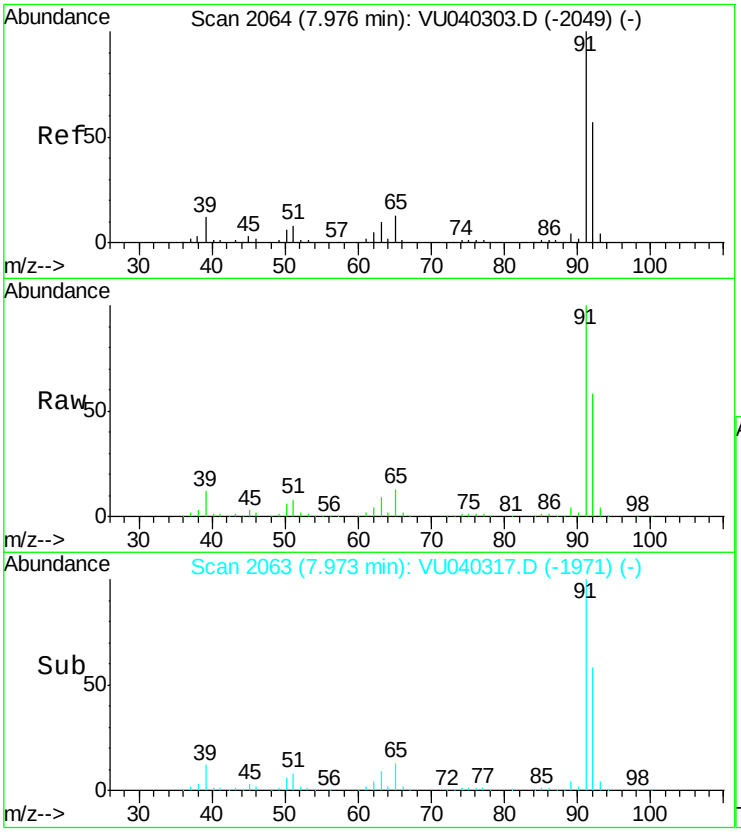


#35
Methylcyclohexane
Concen: 1.253 ug/L
RT: 6.77 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VU040317.D
Acq: 25 Sep 2020 22:06

Tgt Ion: 83 Resp: 25541

Ion	Ratio	Lower	Upper
83	100		
55	91.7	70.5	105.7
98	50.4	37.8	56.6



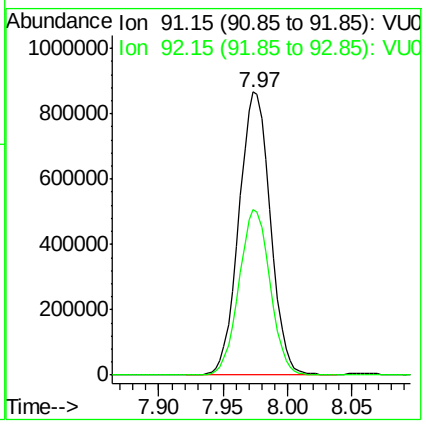


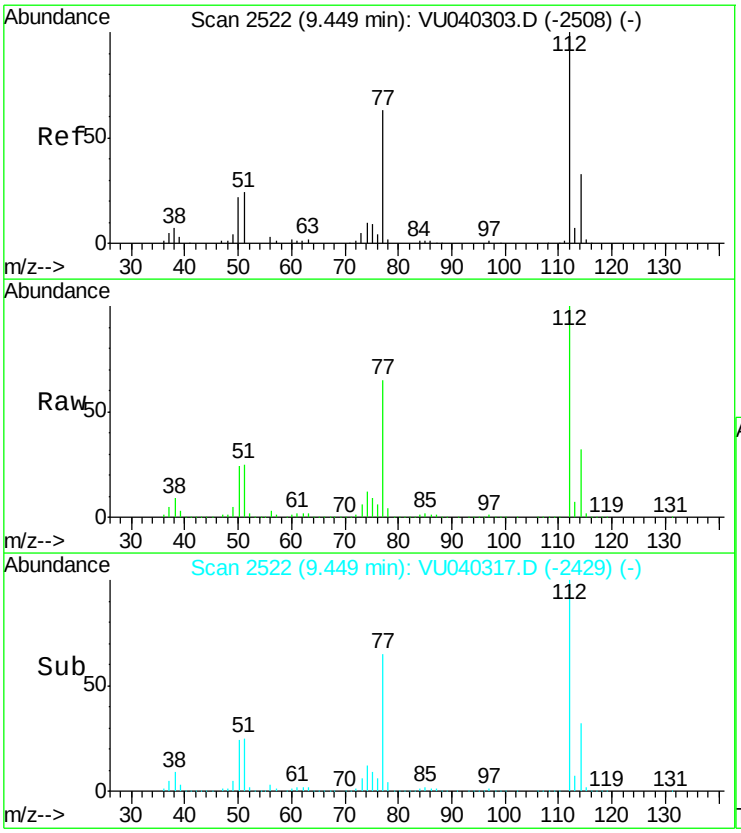
#42
Toluene
Concen: 28.792 ug/L
RT: 7.97 min Scan# 2063
Delta R.T. -0.00 min
Lab File: VU040317.D
Acq: 25 Sep 2020 22:06

Instrument :
MSVOA_U
ClientSampleId :
BG490

Tgt Ion: 91 Resp: 1471518

Ion	Ratio	Lower	Upper
91	100		
92	58.4	40.7	75.5

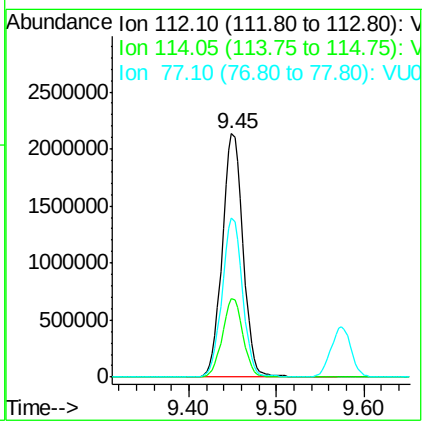


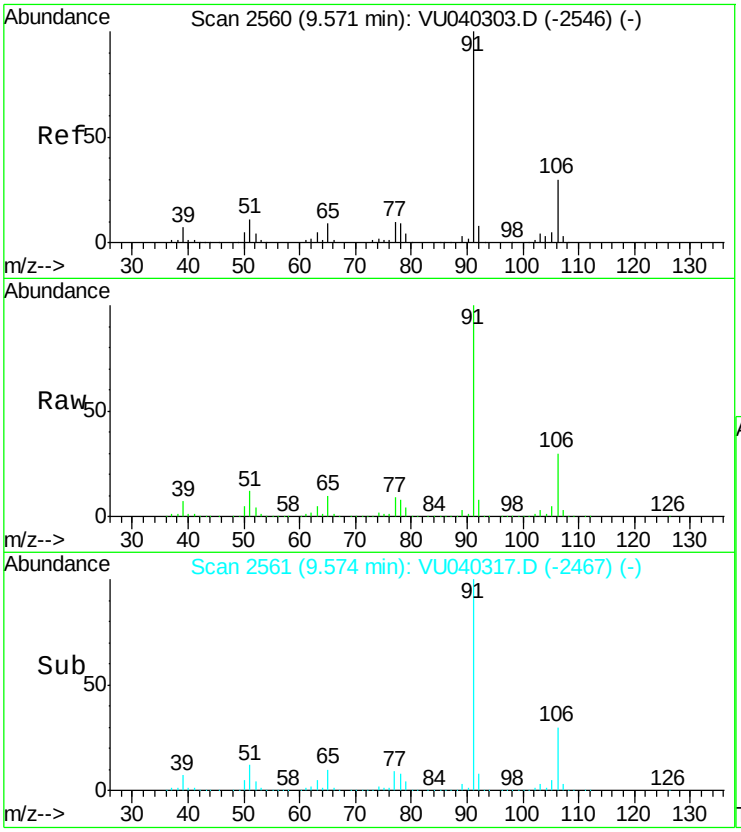


#51
Chlorobenzene
Concen: 110.845 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040317.D
Acq: 25 Sep 2020 22:06

Tgt Ion:112 Resp: 3517286

Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.7	42.3
77	65.3	53.2	79.8



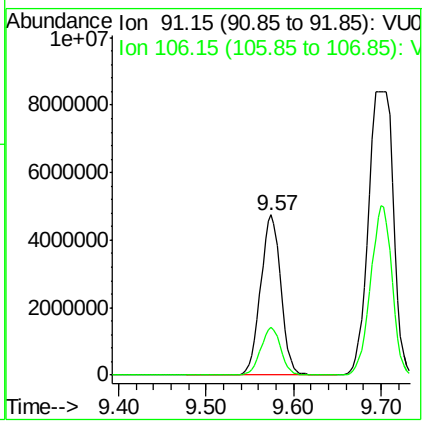


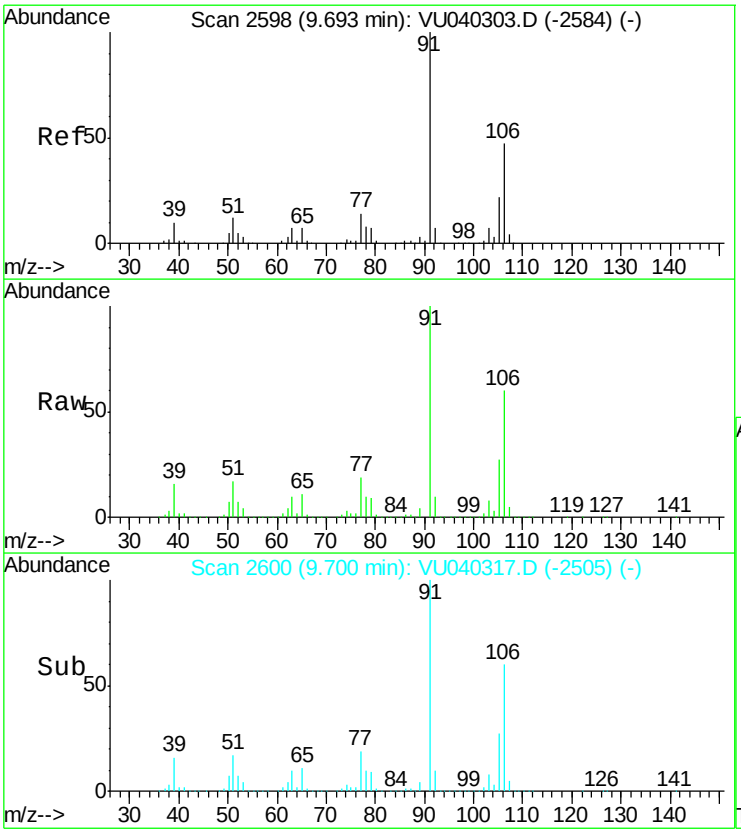
#52
Ethylbenzene
Concen: 131.265 ug/L
RT: 9.57 min Scan# 2561
Delta R.T. 0.00 min
Lab File: VU040317.D
Acq: 25 Sep 2020 22:06

Instrument : MSVOA_U
ClientSampleId : BG490

Tgt Ion: 91 Resp: 7622584

Ion	Ratio	Lower	Upper
91	100		
106	29.6	21.0	39.0

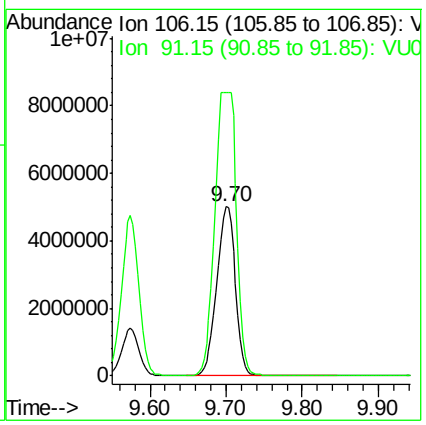


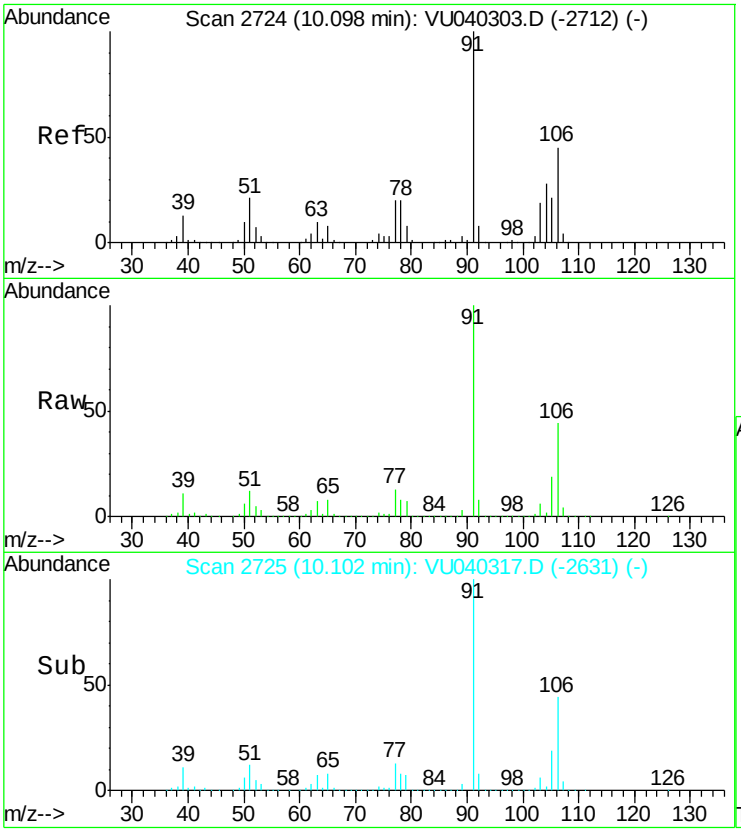


#53
m,p-Xylene
Concen: 412.036 ug/L
RT: 9.70 min Scan# 2600
Delta R.T. 0.01 min
Lab File: VU040317.D
Acq: 25 Sep 2020 22:06

Tgt Ion:106 Resp: 8518924

Ion	Ratio	Lower	Upper
106	100		
91	167.6	151.7	281.7



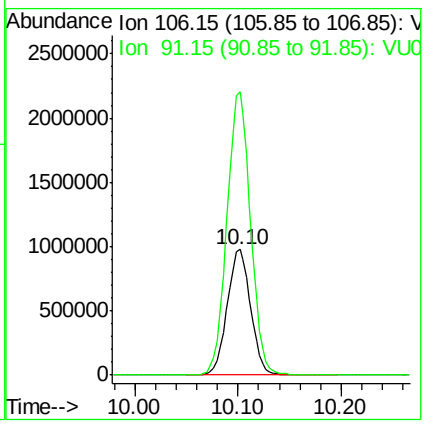


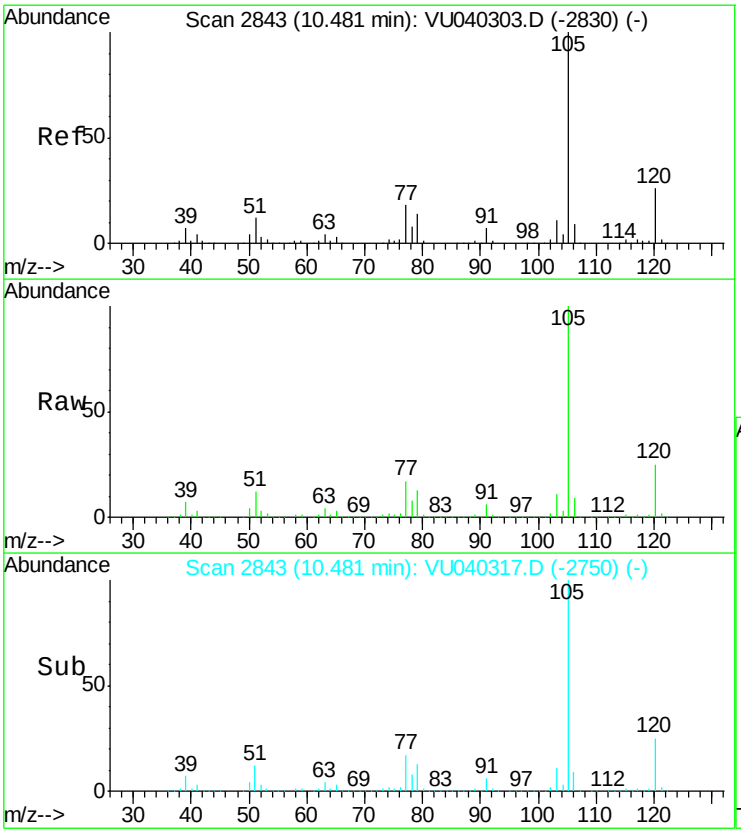
#54
o-Xylene
Concen: 78.642 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040317.D
Acq: 25 Sep 2020 22:06

Instrument :
MSVOA_U
ClientSampleId :
BG490

Tgt Ion:106 Resp: 1549401

Ion	Ratio	Lower	Upper
106	100		
91	225.4	160.8	298.6

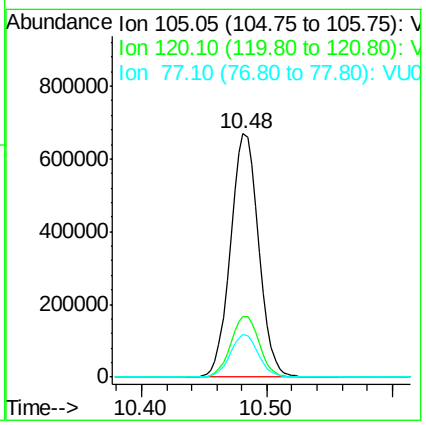


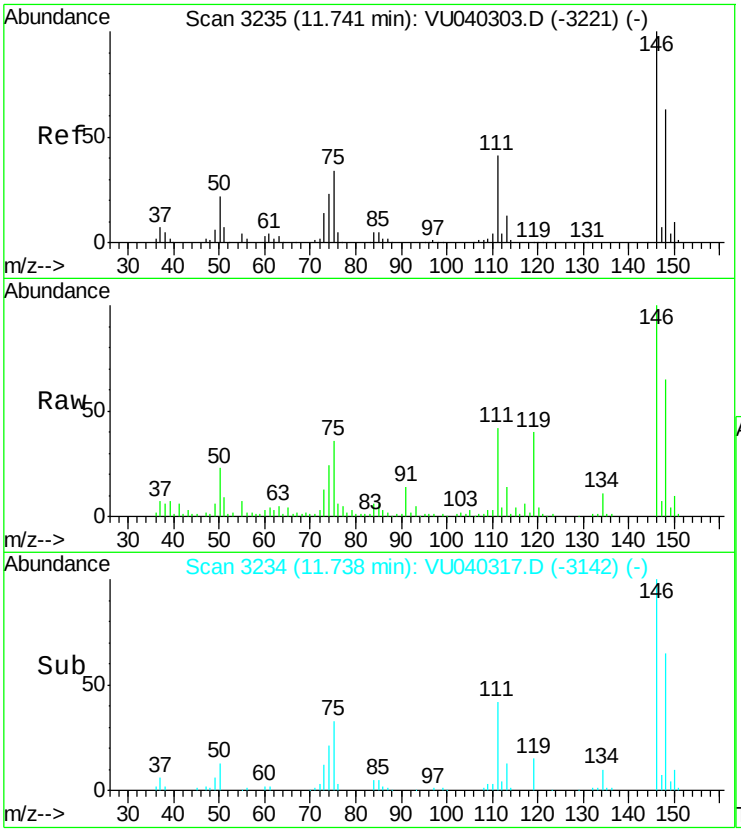


#56
Isopropylbenzene
Concen: 19.401 ug/L
RT: 10.48 min Scan# 2843
Delta R.T. -0.00 min
Lab File: VU040317.D
Acq: 25 Sep 2020 22:06

Tgt Ion:105 Resp: 1042449

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.1	30.1
77	17.5	14.4	21.6



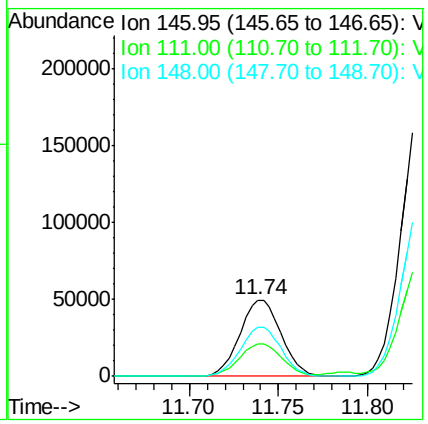


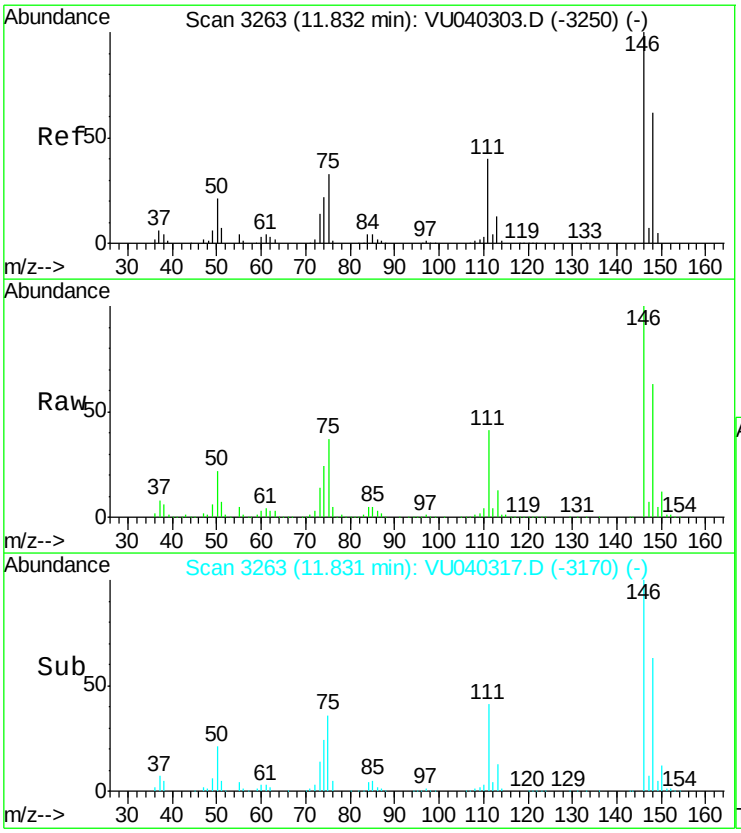
#62
1,3-Dichlorobenzene
Concen: 3.064 ug/L
RT: 11.74 min Scan# 3234
Delta R.T. -0.00 min
Lab File: VU040317.D
Acq: 25 Sep 2020 22:06

Instrument :
MSVOA_U
ClientSampleId :
BG490

Tgt Ion:146 Resp: 80127

Ion	Ratio	Lower	Upper
146	100		
111	42.2	31.6	58.8
148	64.7	44.2	82.0

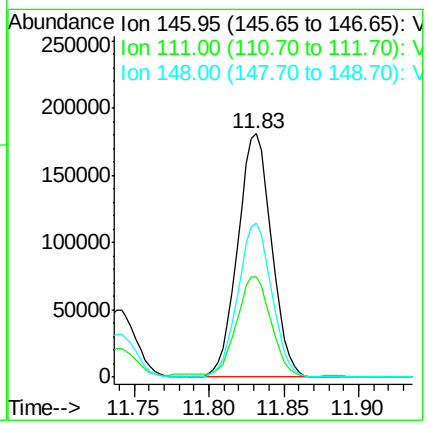


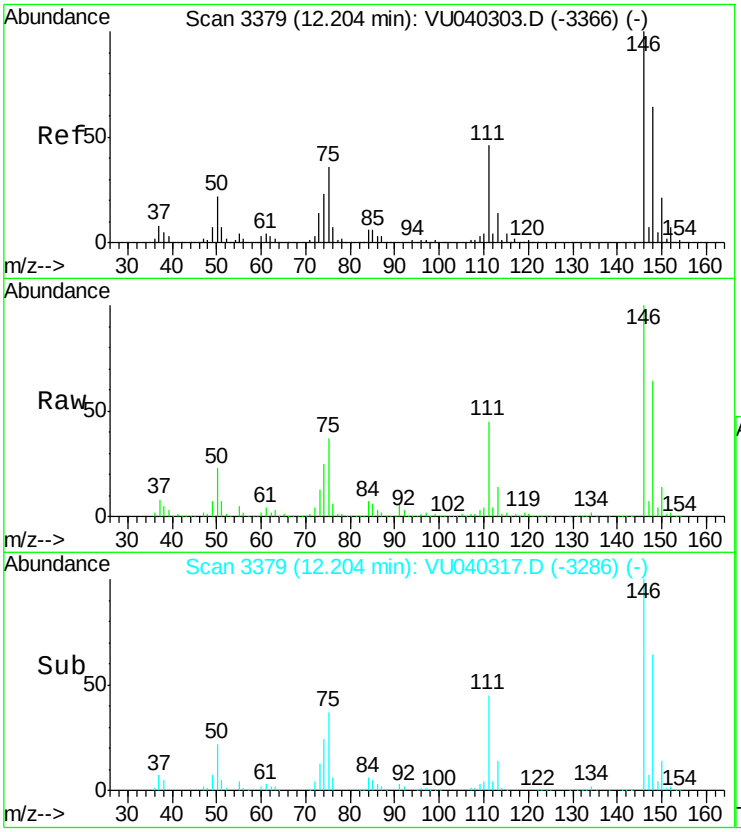


#63
1,4-Dichlorobenzene
Concen: 10.794 ug/L
RT: 11.83 min Scan# 3263
Delta R.T. -0.00 min
Lab File: VU040317.D
Acq: 25 Sep 2020 22:06

Tgt Ion:146 Resp: 285577

Ion	Ratio	Lower	Upper
146	100		
111	41.3	30.5	56.7
148	63.2	45.4	84.4



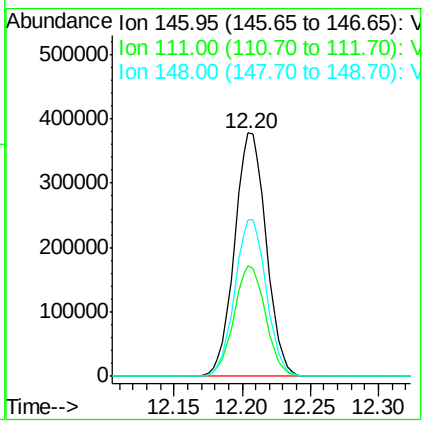


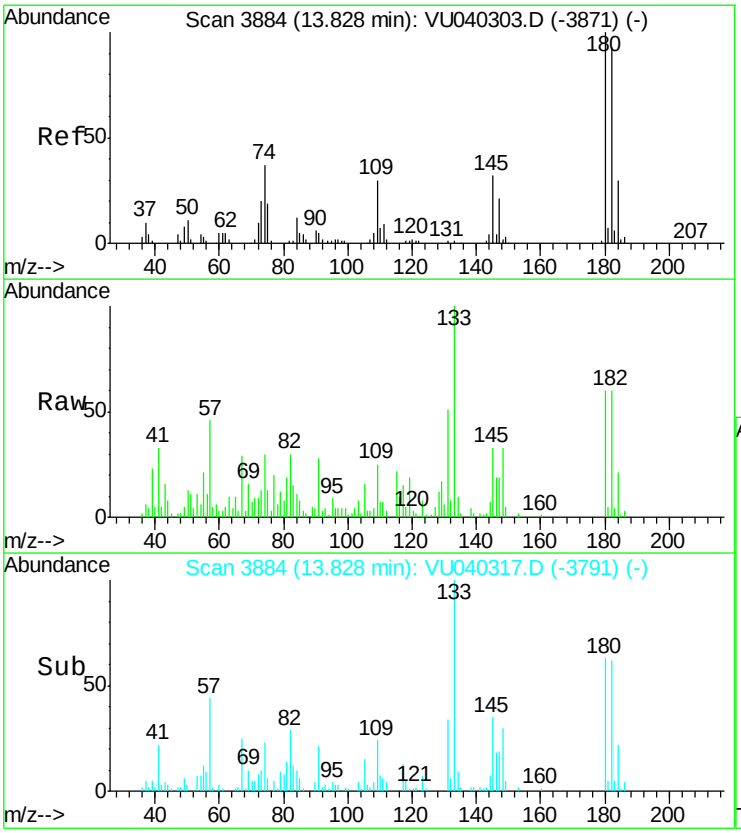
#65
1,2-Dichlorobenzene
Concen: 23.990 ug/L
RT: 12.20 min Scan# 3379
Delta R.T. -0.00 min
Lab File: VU040317.D
Acq: 25 Sep 2020 22:06

Instrument :
MSVOA_U
ClientSampleId :
BG490

Tgt Ion:146 Resp: 606946

Ion	Ratio	Lower	Upper
146	100		
111	45.3	36.5	54.7
148	64.5	48.6	72.8





#68
1,2,4-trichlorobenzene
Concen: 0.742 ug/L
RT: 13.83 min Scan# 3884
Delta R.T. -0.00 min
Lab File: VU040317.D
Acq: 25 Sep 2020 22:06

Tgt Ion:180 Resp: 11748

Ion	Ratio	Lower	Upper
180	100		
182	101.9	76.0	114.0
145	48.0	28.4	42.6#