Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
Data File : VU046100.D
Acq On : 04 Dec 2021 17:51
Operator : SY/MD
Sample : M4942-02
Misc : 6.95g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ0

Quant Time: Dec 05 08:16:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 03 05:08:36 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	259185	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	255786	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	134863	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	116360	54.500	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 109.000%			
7) Chloroethane-d5	1.916	69	81866	49.941	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.880%			
11) 1,1-Dichloroethene-d2	2.546	63	126141	32.911	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery = 65.820%			
21) 2-Butanone-d5	4.658	46	196218	115.610	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery = 115.610%			
24) Chloroform-d	5.063	84	226552	63.542	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 127.080%#			
26) 1,2-Dichloroethane-d4	5.703	65	152265	63.635	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 127.280%#			
32) Benzene-d6	5.723	84	509995	69.564	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 139.120%#			
36) 1,2-Dichloropropane-d6	6.690	67	155381	68.387	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 136.780%#			
41) Toluene-d8	7.899	98	488459	73.176	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 146.360%#			
43) trans-1,3-Dichloroprop...	8.182	79	81389	74.205	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 148.420%#			
47) 2-Hexanone-d5	8.687	63	157727	146.412	ug/L	0.05
Spiked Amount 100.000	Range 45 - 130		Recovery = 146.410%#			
56) 1,1,2,2-Tetrachloroeth...	10.774	84	222622	64.608	ug/L	0.02
Spiked Amount 50.000	Range 65 - 120		Recovery = 129.220%#			
66) 1,2-Dichlorobenzene-d4	12.201	152	191950	73.906	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 147.820%#			
Target Compounds						Qvalue
42) Toluene	7.973	91	9907	1.193	ug/L	97
52) Ethylbenzene	9.575	91	47748	5.341	ug/L	98
53) m,p-Xylene	9.700	106	42990	12.330	ug/L	97
54) o-xylene	10.108	106	30112	8.901	ug/L	94
61) Isopropylbenzene	10.494	105	12901	1.470	ug/L	96
62) 1,3,5-Trimethylbenzene	11.095	105	56697	7.752	ug/L	98
63) 1,2,4-Trimethylbenzene	11.475	105	181730	24.835	ug/L	98
67) 1,2-Dichlorobenzene	12.218	146	3939	0.938	ug/L #	64
70) 1,2,4-trichlorobenzene	13.841	180	3232	1.199	ug/L #	71

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

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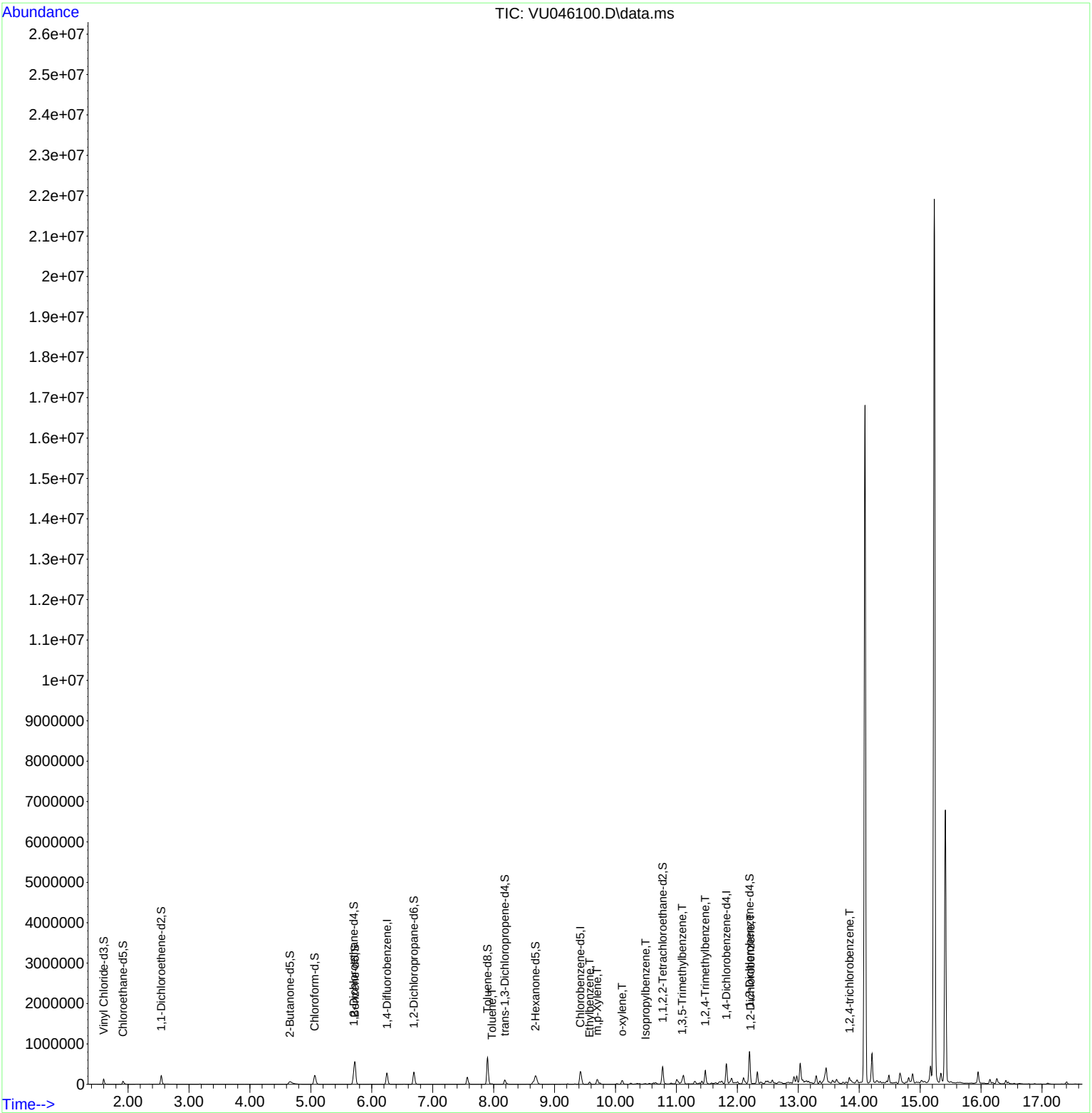
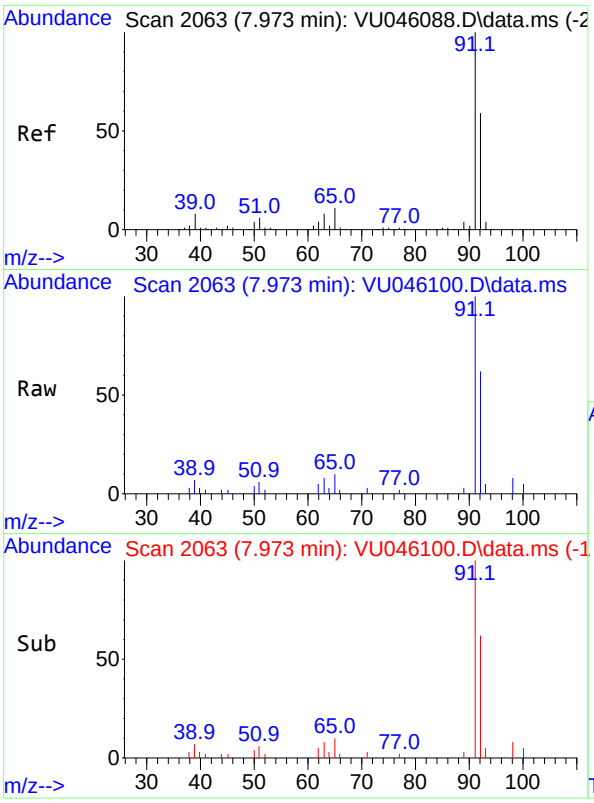


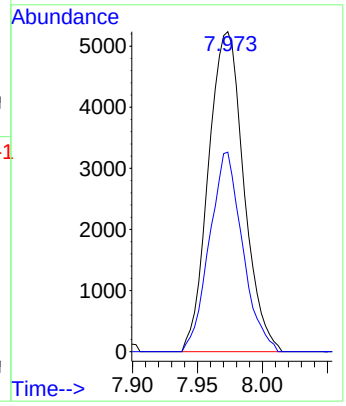


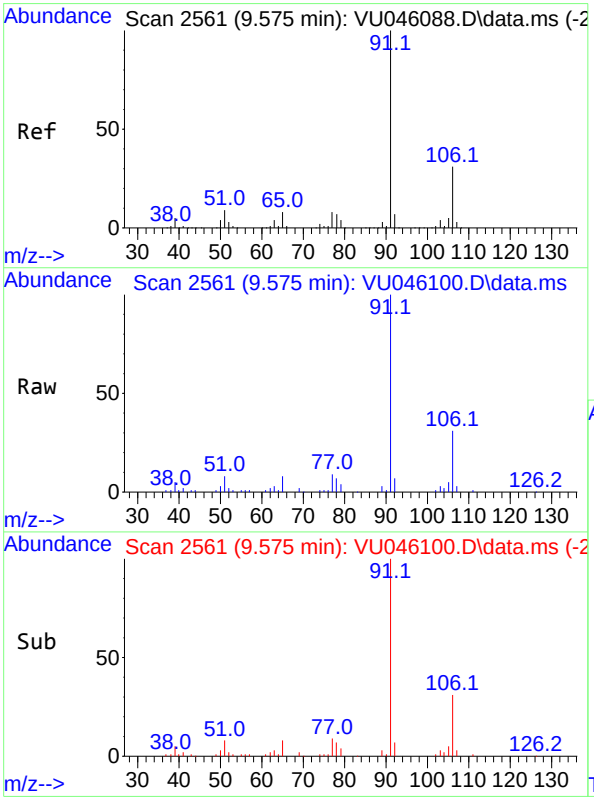
#42
Toluene
Concen: 1.193 ug/L
RT: 7.973 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU046100.D
Acq: 04 Dec 2021 17:51

Instrument :
MSVOA_U
ClientSampleId :
BGKQ0

Tgt Ion: 91 Resp: 9907

Ion	Ratio	Lower	Upper
91	100		
92	62.4	41.9	77.7

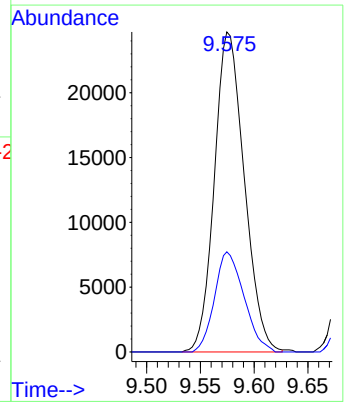


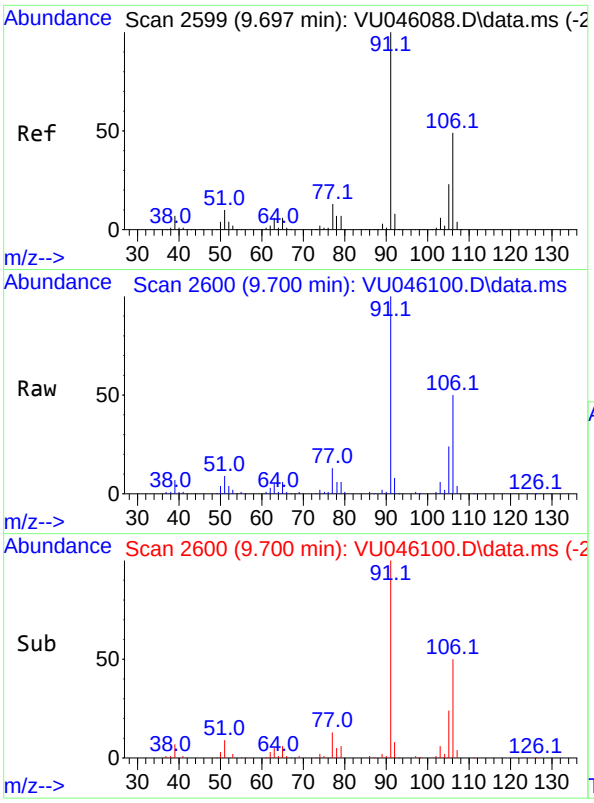


#52
Ethylbenzene
Concen: 5.341 ug/L
RT: 9.575 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU046100.D
Acq: 04 Dec 2021 17:51

Tgt Ion: 91 Resp: 47748

Ion	Ratio	Lower	Upper
91	100		
106	31.3	21.1	39.3



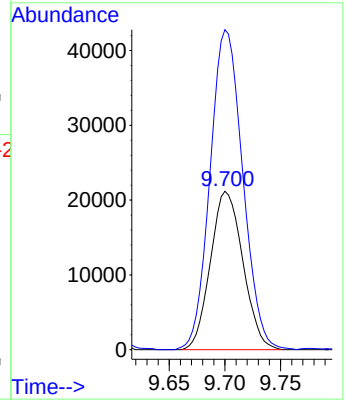


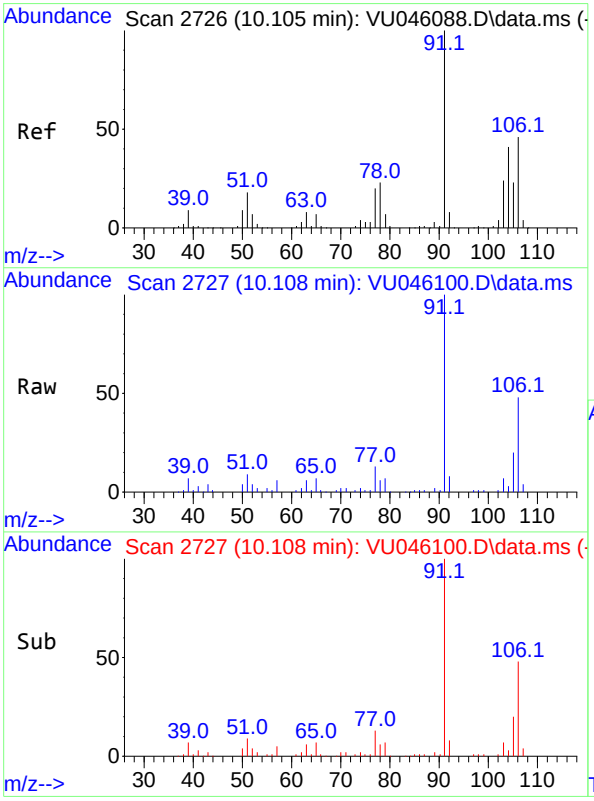
#53
m,p-Xylene
Concen: 12.330 ug/L
RT: 9.700 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU046100.D
Acq: 04 Dec 2021 17:51

Instrument :
MSVOA_U
ClientSampleId :
BGKQ0

Tgt Ion:106 Resp: 42990

Ion	Ratio	Lower	Upper
106	100		
91	202.0	144.3	268.1

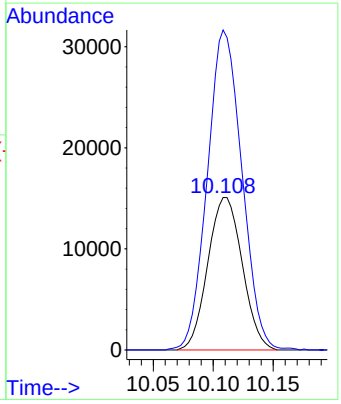


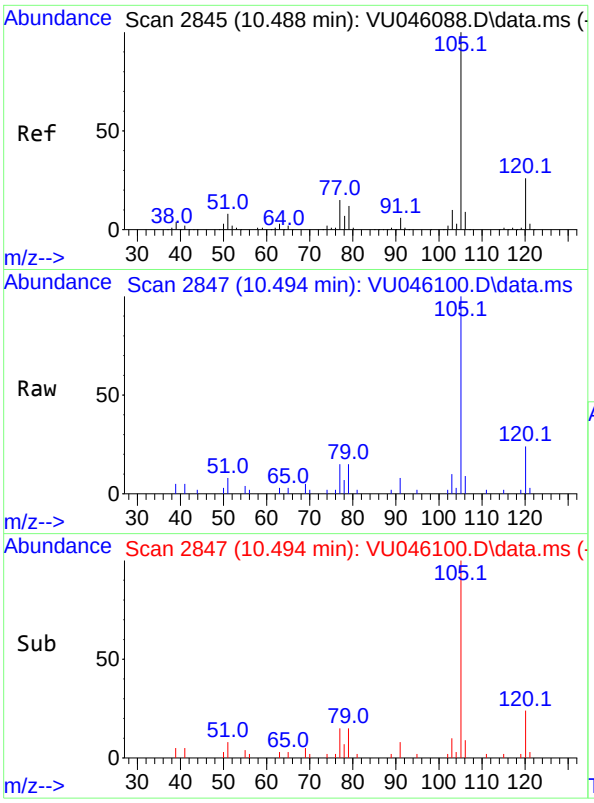


#54
o-xylene
Concen: 8.901 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. 0.003 min
Lab File: VU046100.D
Acq: 04 Dec 2021 17:51

Tgt Ion:106 Resp: 30112

Ion	Ratio	Lower	Upper
106	100		
91	209.9	154.2	286.4



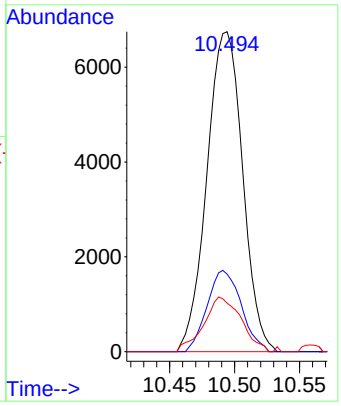


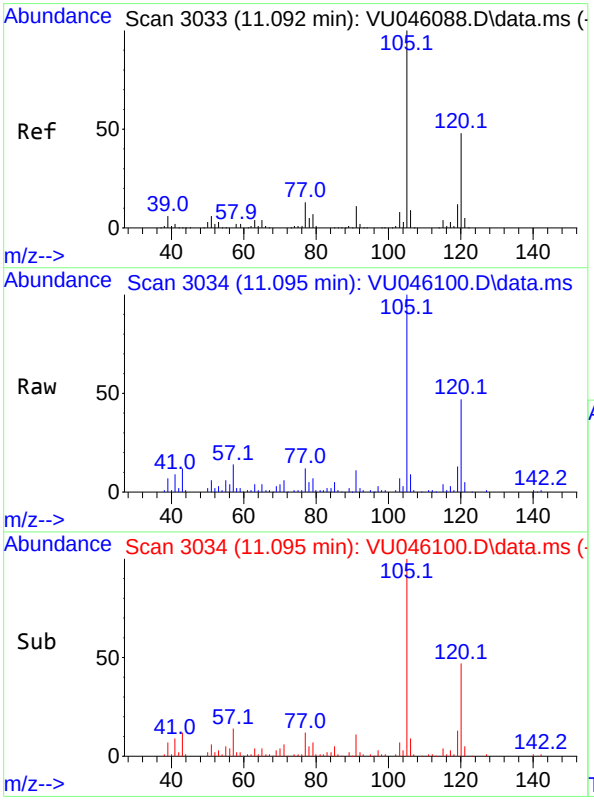
#61
Isopropylbenzene
Concen: 1.470 ug/L
RT: 10.494 min Scan# 2
Delta R.T. 0.007 min
Lab File: VU046100.D
Acq: 04 Dec 2021 17:51

Instrument :
MSVOA_U
ClientSampleId :
BGKQ0

Tgt Ion:105 Resp: 12901

Ion	Ratio	Lower	Upper
105	100		
120	24.3	20.7	31.1
77	17.8	12.2	18.4

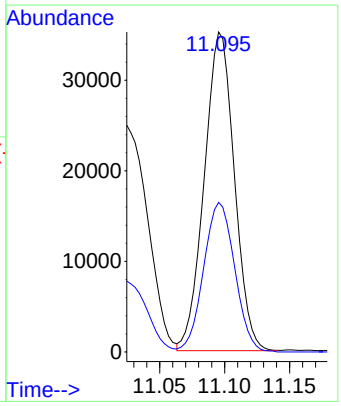


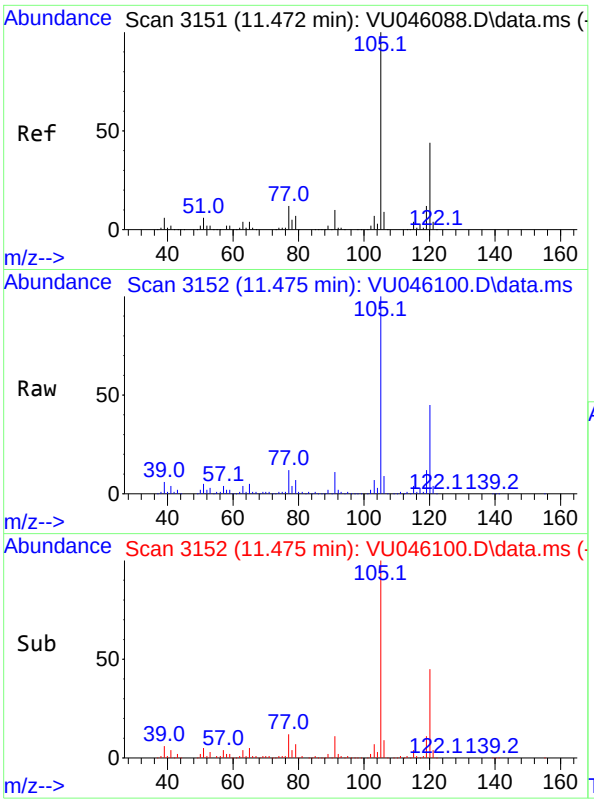


#62
1,3,5-Trimethylbenzene
Concen: 7.752 ug/L
RT: 11.095 min Scan# 3034
Delta R.T. 0.003 min
Lab File: VU046100.D
Acq: 04 Dec 2021 17:51

Tgt Ion:105 Resp: 56697

Ion	Ratio	Lower	Upper
105	100		
120	48.5	37.8	56.6



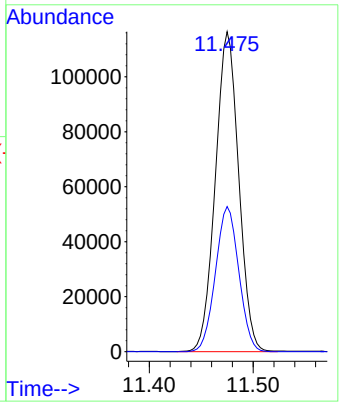


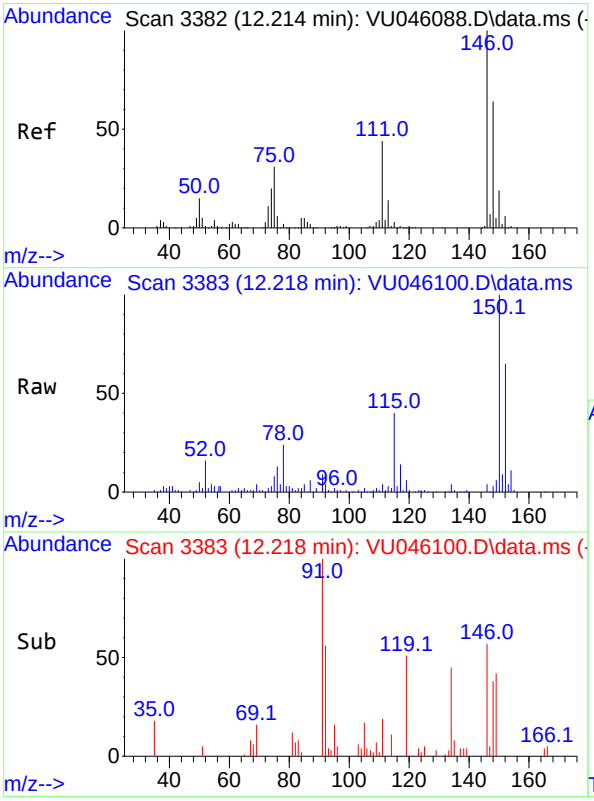
#63
1,2,4-Trimethylbenzene
Concen: 24.835 ug/L
RT: 11.475 min Scan# 3
Delta R.T. 0.003 min
Lab File: VU046100.D
Acq: 04 Dec 2021 17:51

Instrument :
MSVOA_U
ClientSampleId :
BGKQ0

Tgt Ion:105 Resp: 181730

Ion	Ratio	Lower	Upper
105	100		
120	45.3	35.2	52.8

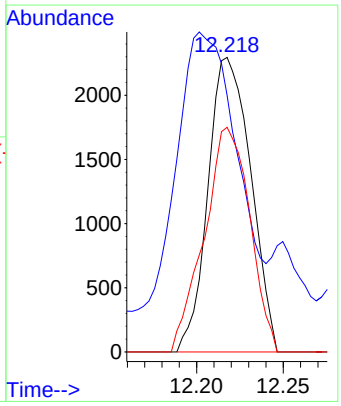


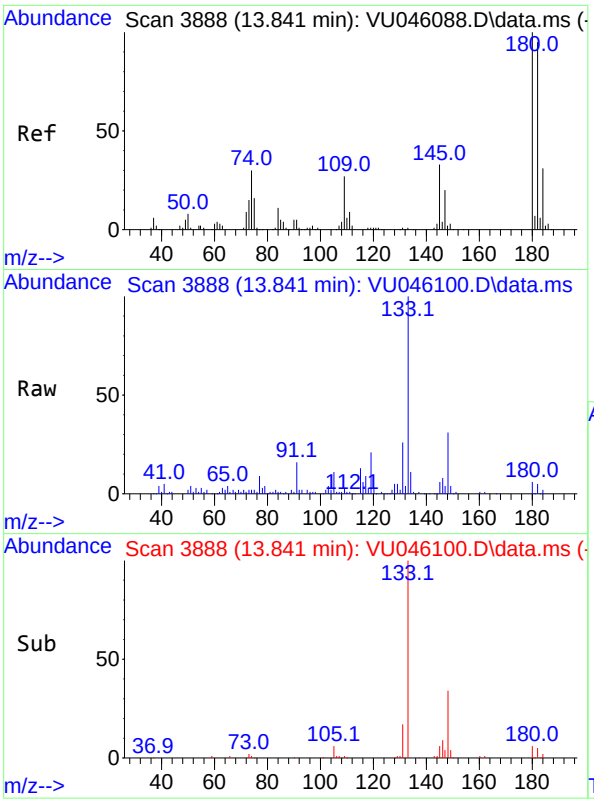


#67
1,2-Dichlorobenzene
Concen: 0.938 ug/L
RT: 12.218 min Scan# 3383
Delta R.T. 0.003 min
Lab File: VU046100.D
Acq: 04 Dec 2021 17:51

Tgt Ion:146 Resp: 3939

Ion	Ratio	Lower	Upper
146	100		
111	87.1	35.7	53.5#
148	76.3	51.2	76.8





#70
1,2,4-trichlorobenzene
Concen: 1.199 ug/L
RT: 13.841 min Scan# 3
Delta R.T. 0.000 min
Lab File: VU046100.D
Acq: 04 Dec 2021 17:51

Instrument :
MSVOA_U
ClientSampleId :
BGKQ0

Tgt Ion:180 Resp: 3232

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.7	115.1
145	95.8	26.0	39.0#