Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100521\
Data File : VU045158.D
Acq On : 05 Oct 2021 20:27
Operator : SY/MD
Sample : M3996-03DL 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F4A14DL

Quant Time: Oct 06 01:48:20 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 06 01:40:56 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	311260	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	290949	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	138028	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	115395	33.87	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 67.74%			
7) Chloroethane-d5	1.909	69	103434	38.31	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 76.62%			
11) 1,1-Dichloroethene-d2	2.568	63	167260	29.23	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 58.46%#			
21) 2-Butanone-d5	4.626	46	231145	85.81	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 85.81%			
24) Chloroform-d	5.070	84	218529	40.61	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 81.22%			
26) 1,2-Dichloroethane-d4	5.706	65	156022	42.80	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 85.60%			
32) Benzene-d6	5.732	84	453444	44.91	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.82%			
36) 1,2-Dichloropropane-d6	6.693	67	144282	43.83	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 87.66%			
41) Toluene-d8	7.902	98	396117	45.47	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 90.94%			
43) trans-1,3-Dichloroprop...	8.182	79	65509	44.74	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 89.48%			
47) 2-Hexanone-d5	8.636	63	163637	89.70	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 89.70%			
56) 1,1,2,2-Tetrachloroeth...	10.761	84	216839	42.30	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 84.60%			
66) 1,2-Dichlorobenzene-d4	12.195	152	146229	48.68	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.36%			
Target Compounds						Qvalue
29) Cyclohexane	5.391	56	11718	2.68	ug/L #	92
33) Benzene	5.780	78	1613945	149.56	ug/L	100
35) Methylcyclohexane	6.767	83	3953	0.91	ug/L	92
42) Toluene	7.973	91	1022032	93.21	ug/L	98
52) Ethylbenzene	9.574	91	383400	33.10	ug/L	100
53) m,p-Xylene	9.697	106	126281	28.78	ug/L	98
54) o-xylene	10.105	106	111732	25.91	ug/L	96
61) Isopropylbenzene	10.488	105	10403	1.03	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	26765	3.17	ug/L	99
63) 1,2,4-Trimethylbenzene	11.471	105	129382	14.98	ug/L	99

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

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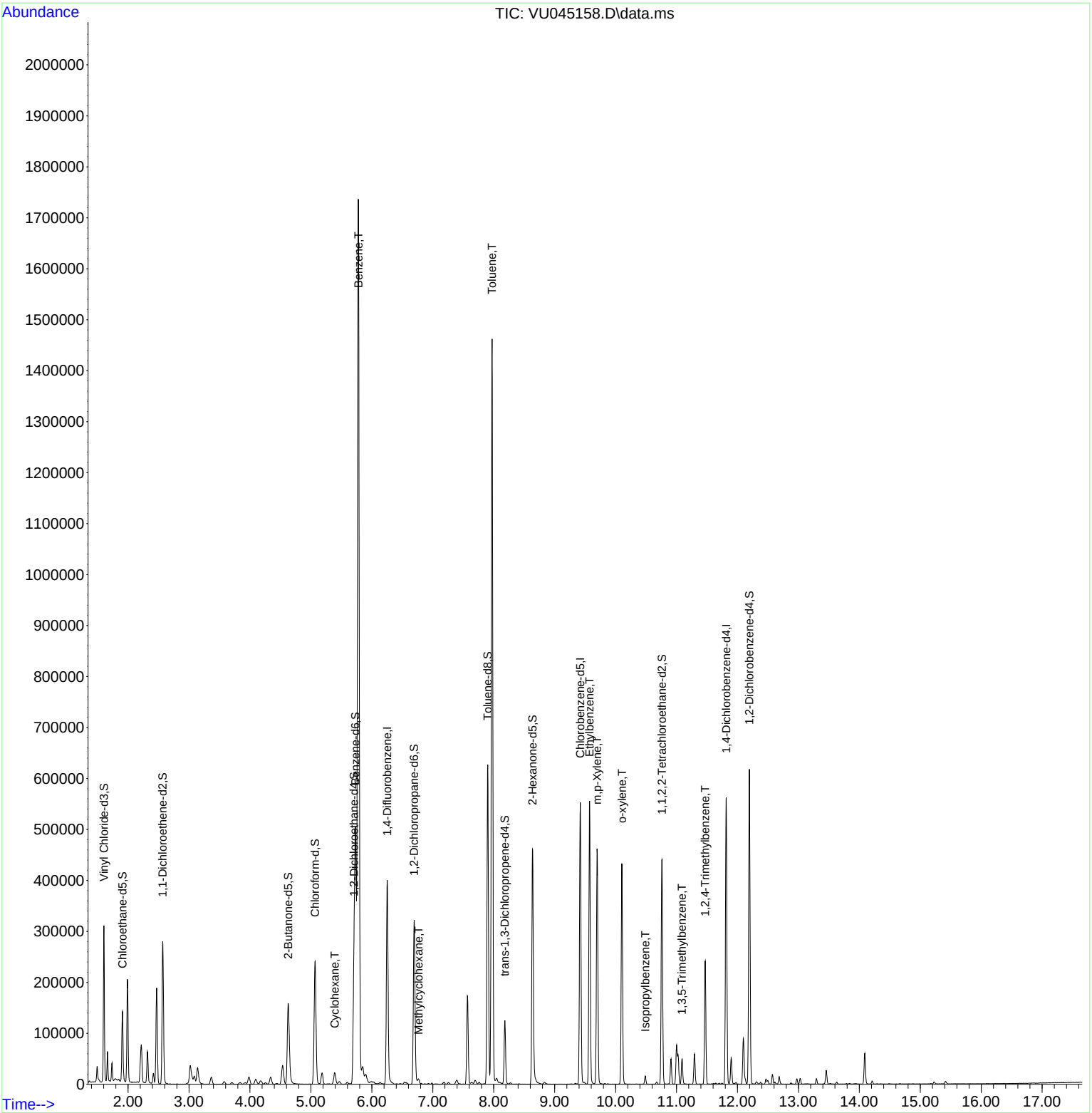
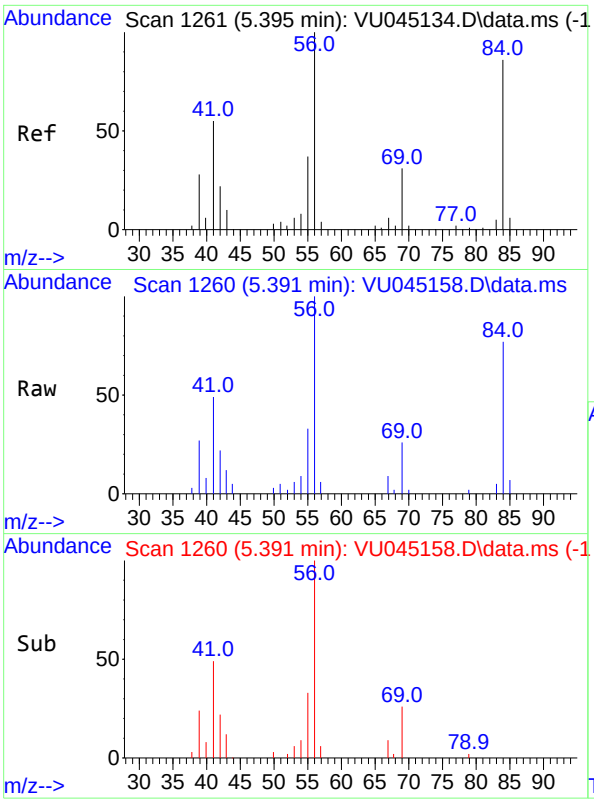


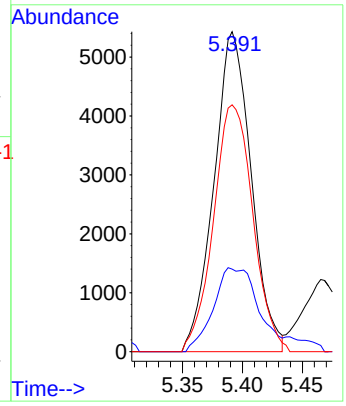


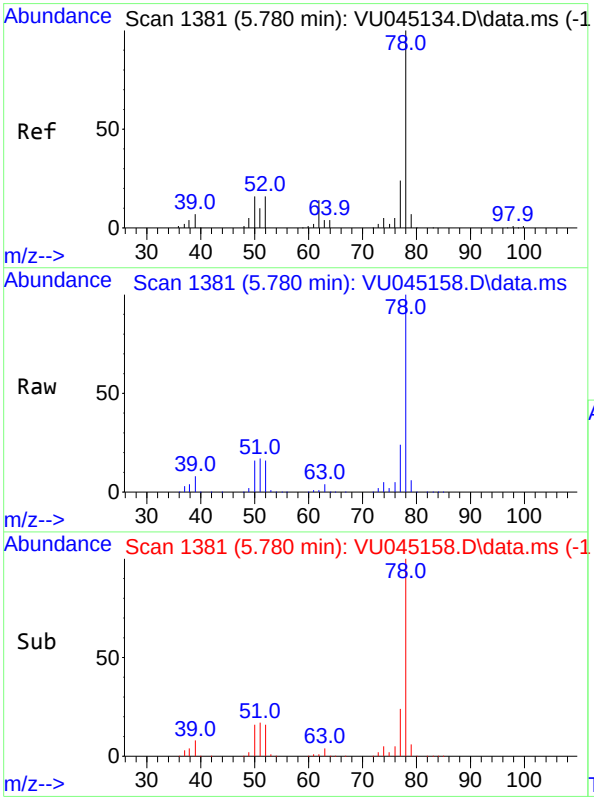
#29
Cyclohexane
Concen: 2.68 ug/L
RT: 5.391 min Scan# 1260
Delta R.T. -0.003 min
Lab File: VU045158.D
Acq: 05 Oct 2021 20:27

Instrument :
MSVOA_U
ClientSampleId :
F4A14DL

Tgt Ion: 56 Resp: 11718

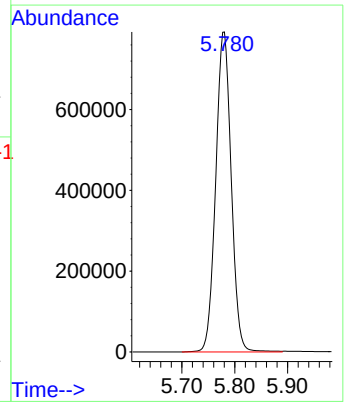
Ion	Ratio	Lower	Upper
56	100		
69	16.5	23.8	35.8#
84	81.7	66.8	100.2



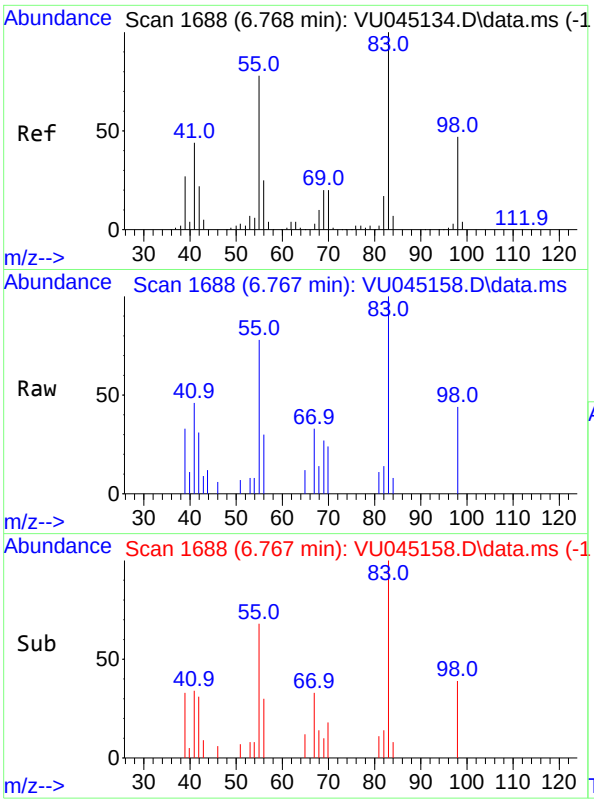


#33
Benzene
Concen: 149.56 ug/L
RT: 5.780 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VU045158.D
Acq: 05 Oct 2021 20:27

Tgt Ion: 78 Resp: 1613945



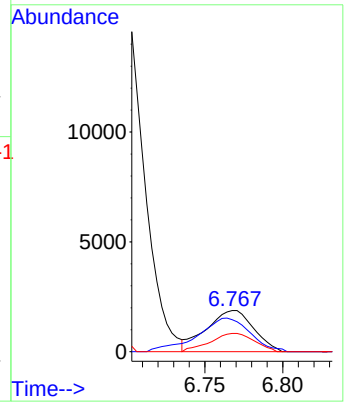
Instrument :
MSVOA_U
ClientSampleId :
F4A14DL

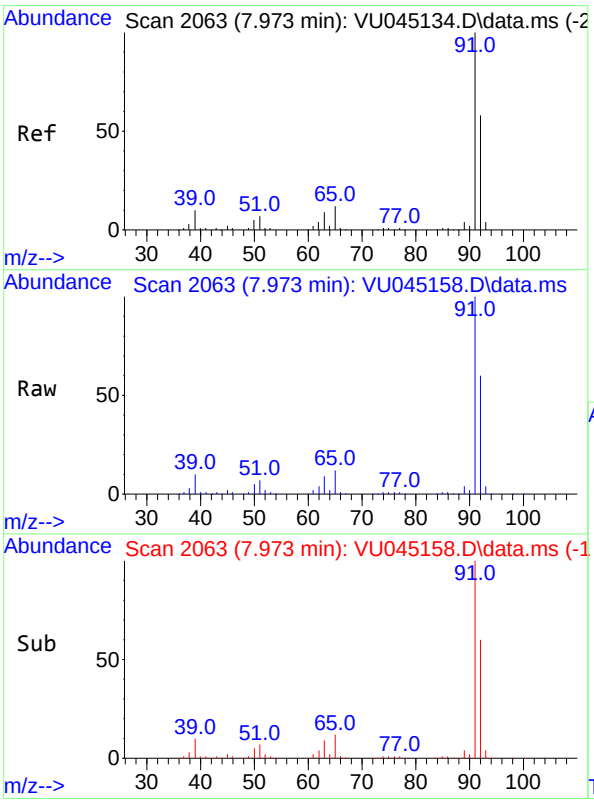


#35
Methylcyclohexane
Concen: 0.91 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU045158.D
Acq: 05 Oct 2021 20:27

Tgt Ion: 83 Resp: 3953

Ion	Ratio	Lower	Upper
83	100		
55	90.4	65.8	98.6
98	41.5	37.1	55.7

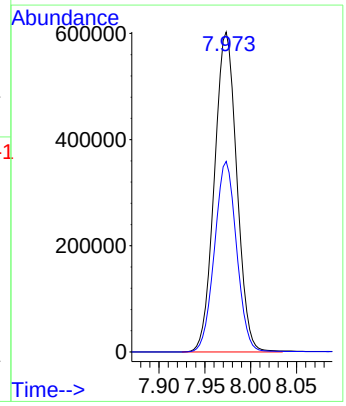




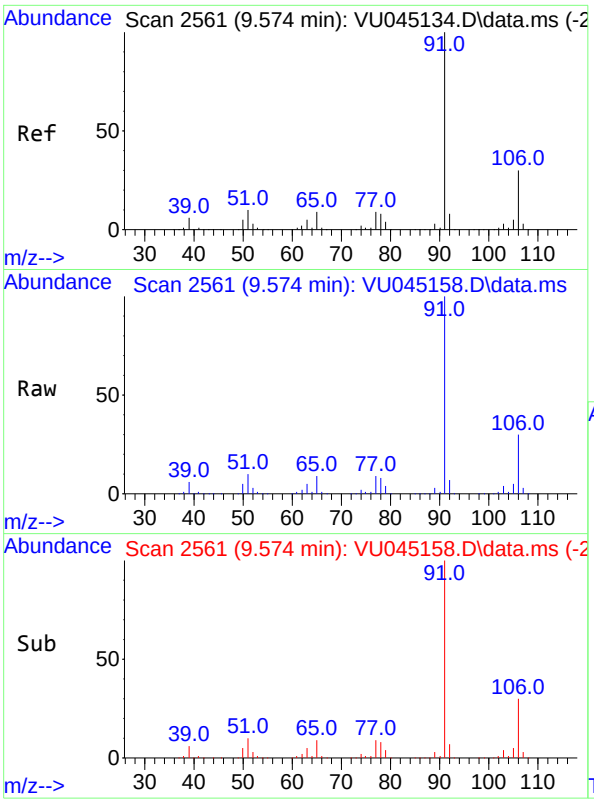
#42
Toluene
Concen: 93.21 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU045158.D
Acq: 05 Oct 2021 20:27

Tgt Ion: 91 Resp: 1022032

Ion	Ratio	Lower	Upper
91	100		
92	59.5	40.5	75.1



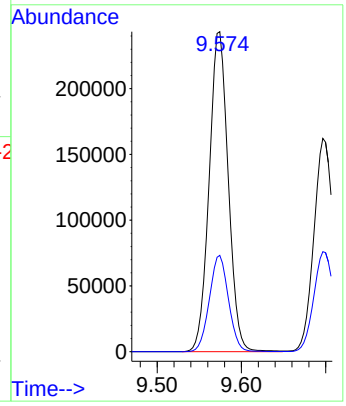
Instrument :
MSVOA_U
ClientSampleId :
F4A14DL

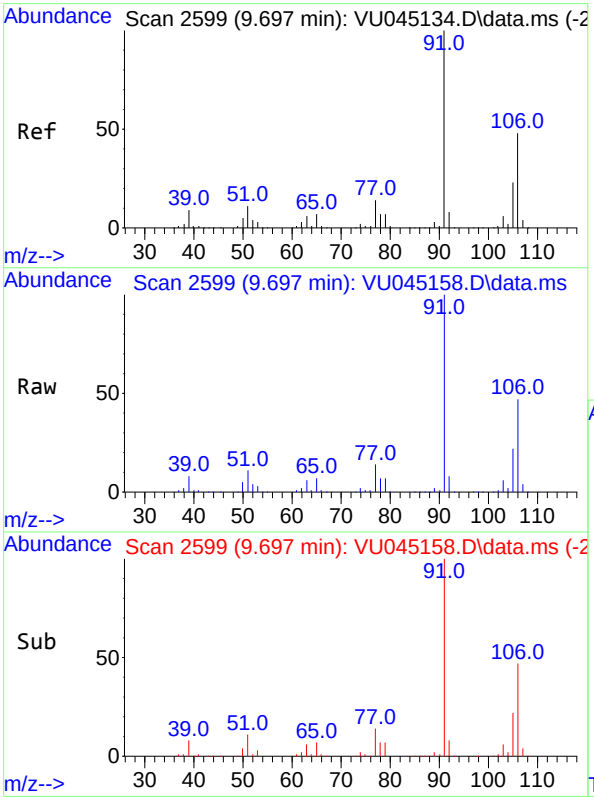


#52
Ethylbenzene
Concen: 33.10 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. -0.000 min
Lab File: VU045158.D
Acq: 05 Oct 2021 20:27

Tgt Ion: 91 Resp: 383400

Ion	Ratio	Lower	Upper
91	100		
106	30.1	21.2	39.4

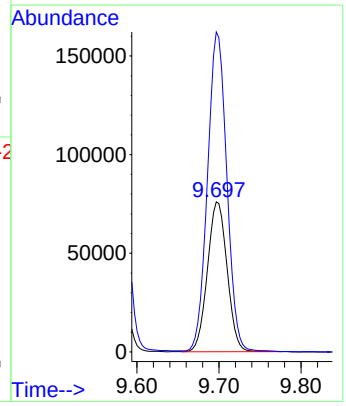




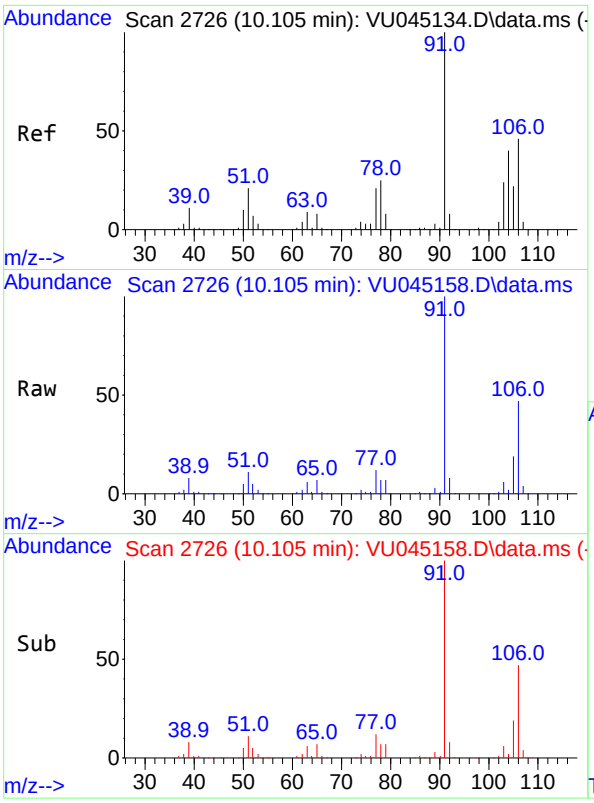
#53
m,p-Xylene
Concen: 28.78 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU045158.D
Acq: 05 Oct 2021 20:27

Tgt Ion:106 Resp: 126281

Ion	Ratio	Lower	Upper
106	100		
91	213.2	146.7	272.4



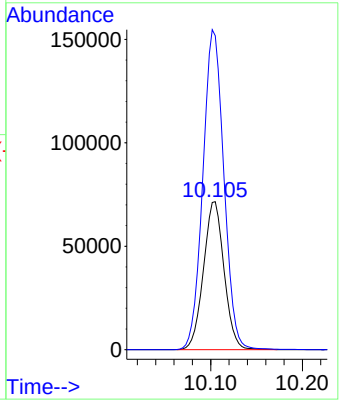
Instrument :
MSVOA_U
ClientSampleId :
F4A14DL

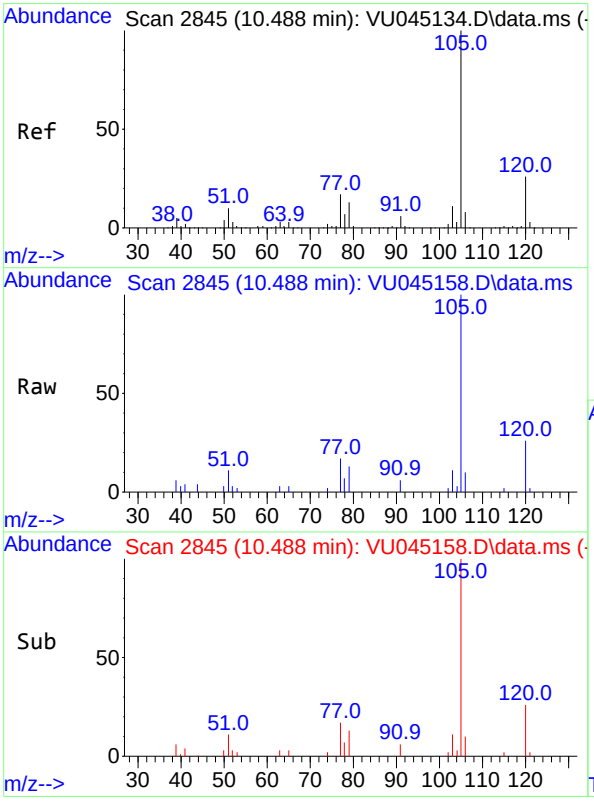


#54
o-xylene
Concen: 25.91 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.000 min
Lab File: VU045158.D
Acq: 05 Oct 2021 20:27

Tgt Ion:106 Resp: 111732

Ion	Ratio	Lower	Upper
106	100		
91	212.1	152.9	283.9

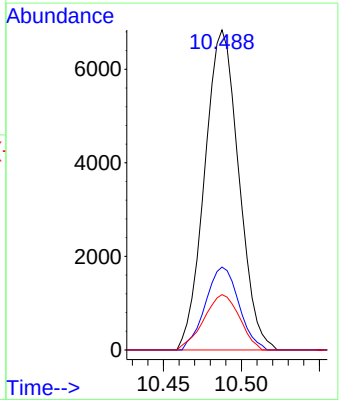




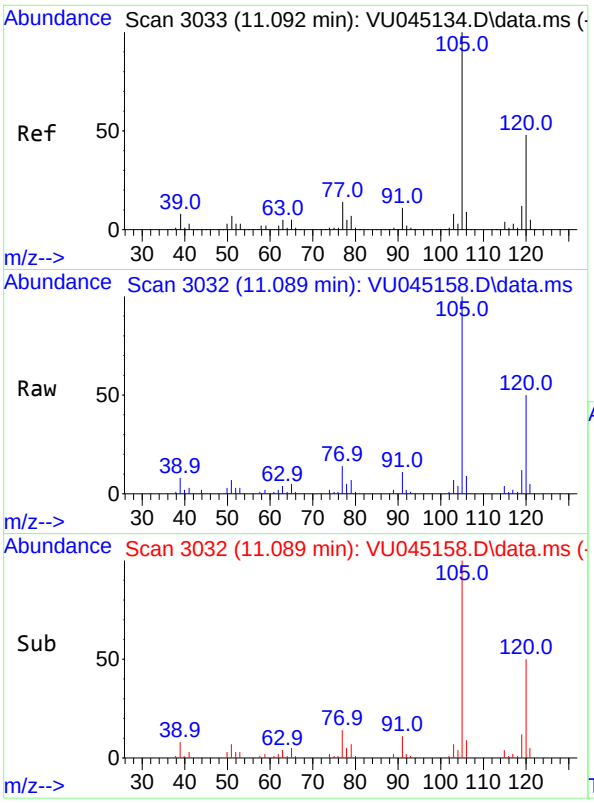
#61
Isopropylbenzene
Concen: 1.03 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VU045158.D
Acq: 05 Oct 2021 20:27

Tgt Ion:105 Resp: 10403

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.5	30.7
77	18.1	13.5	20.3



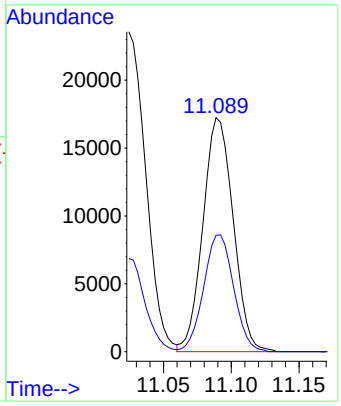
Instrument :
MSVOA_U
ClientSampleId :
F4A14DL

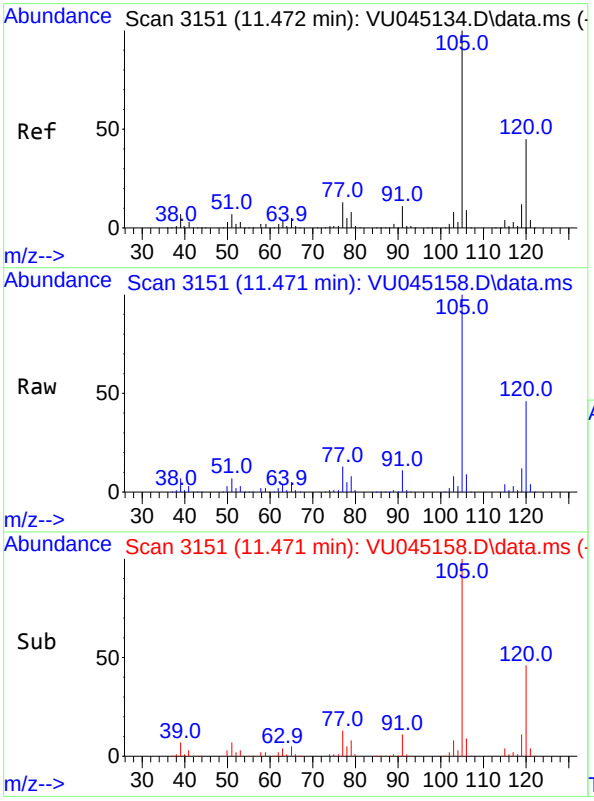


#62
1,3,5-Trimethylbenzene
Concen: 3.17 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU045158.D
Acq: 05 Oct 2021 20:27

Tgt Ion:105 Resp: 26765

Ion	Ratio	Lower	Upper
105	100		
120	49.5	38.8	58.2





#63
1,2,4-Trimethylbenzene
Concen: 14.98 ug/L
RT: 11.471 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VU045158.D
Acq: 05 Oct 2021 20:27

Tgt Ion:105 Resp: 129382

Ion	Ratio	Lower	Upper
105	100		
120	45.4	35.7	53.5