Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Quant Time: Nov 21 04:00:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 03:23:51 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	678078	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	545593	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	200936	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.16	65	197447	3.82	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 76.40%			
7) Chloroethane-d5	2.63	69	194632	4.20	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 84.00%			
11) 1,1-Dichloroethene-d2	3.61	63	379763	2.90	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 58.00%#			
20) 2-Butanone-d5	6.59	46	209833	43.83	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 87.66%			
24) Chloroform-d	7.20	84	381686	3.77	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 75.40%			
26) 1,2-Dichloroethane-d4	7.90	65	151355	3.84	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 76.80%			
32) Benzene-d6	7.85	84	797172	4.21	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 84.20%			
36) 1,2-Dichloropropane-d6	8.90	67	229590	4.82	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 96.40%			
41) Toluene-d8	9.97	98	744364	4.23	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 84.60%			
43) trans-1,3-Dichloropropene-	10.24	79	51012	3.92	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 78.40%			
46) 2-Hexanone-d5	10.59	63	148777	49.31	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 98.62%			
57) 1,1,2,2-Tetrachloroethane-	12.36	84	78196	4.03	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 80.60%			
64) 1,2-Dichlorobenzene-d4	13.52	152	157762	4.56	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 91.20%			

Target Compounds						Qvalue
5) Vinyl chloride	2.17	62	118805	1.981	ug/L	96
17) Methyl tert-butyl Ether	4.90	73	2300778	39.104	ug/L #	94
18) trans-1,2-Dichloroethene	4.89	96	236058	4.516	ug/L	97
19) 1,1-Dichloroethane	5.69	63	121409	1.294	ug/L	97
22) cis-1,2-Dichloroethene	6.68	96	571071	12.123	ug/L	98
33) Benzene	7.91	78	190660	0.956	ug/L	100
34) Trichloroethene	8.71	95	28095	0.532	ug/L	94
40) 4-Methyl-2-pentanone	9.87	43	369761	32.247	ug/L	99
42) Toluene	10.04	91	292756	1.229	ug/L	99
52) Ethylbenzene	11.39	91	487872	2.045	ug/L	100
53) m,p-Xylene	11.51	106	143278	1.629	ug/L	98
54) o-Xylene	11.83	106	236468	2.936	ug/L	100
56) Isopropylbenzene	12.13	105	40287	0.183	ug/L	97

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

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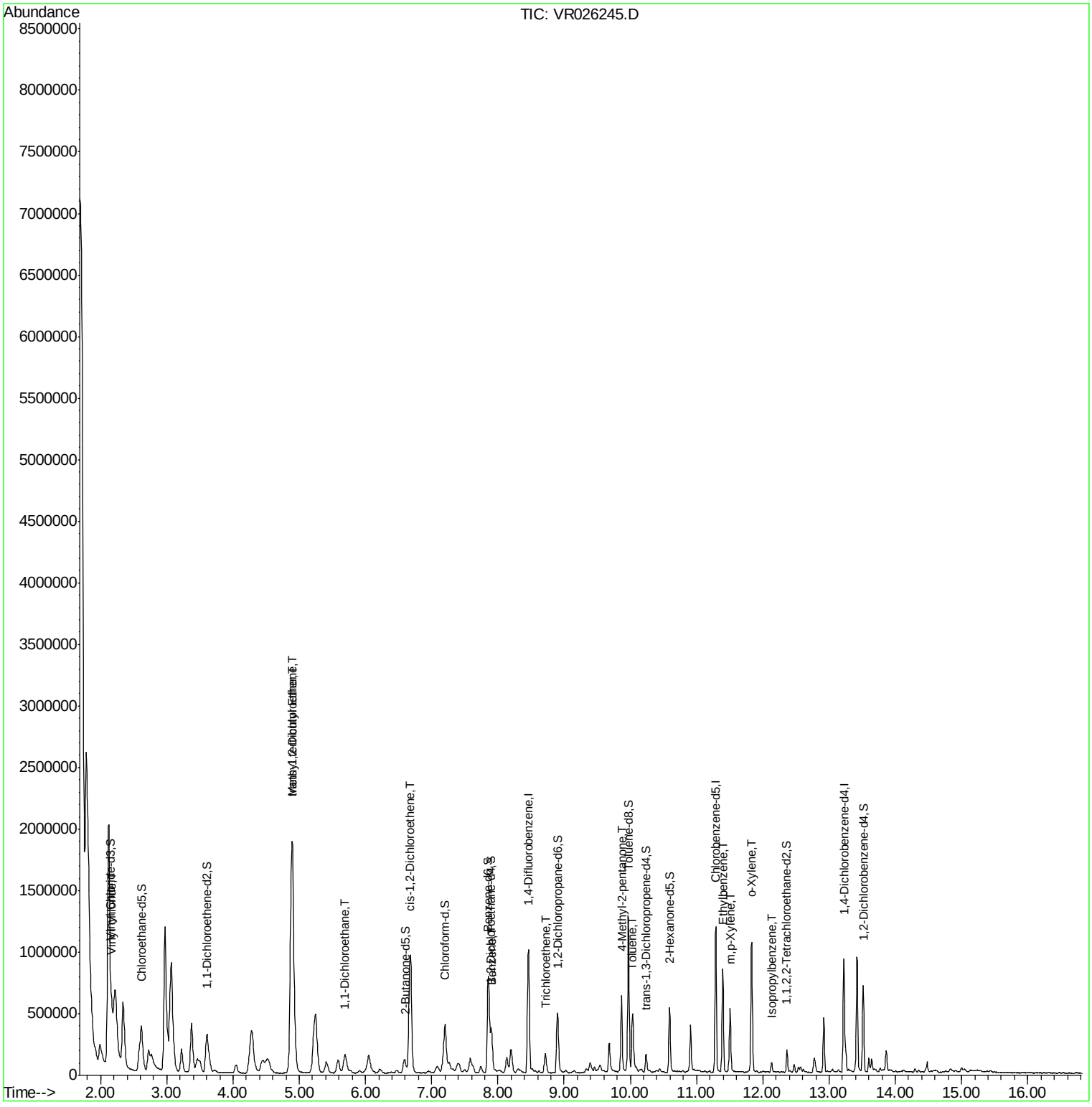
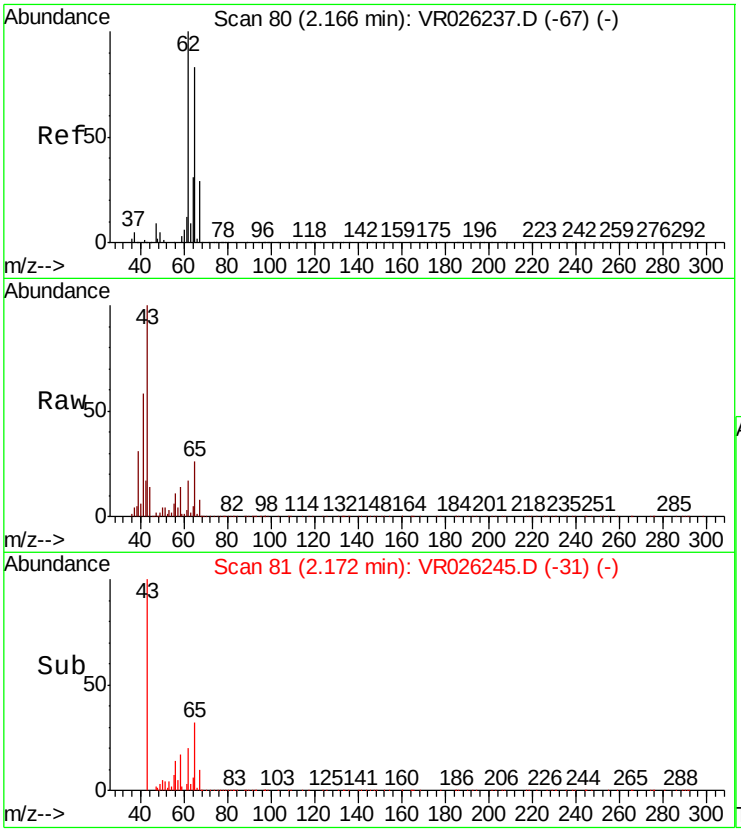
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 03:23:51 2018
Response via : Initial Calibration



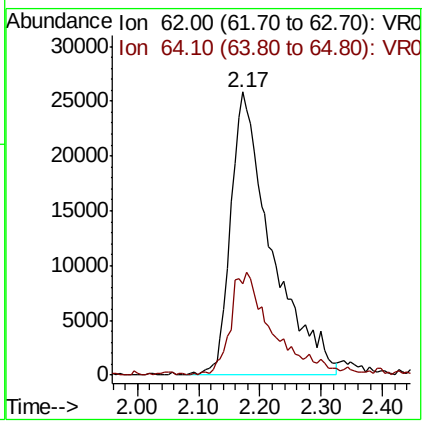


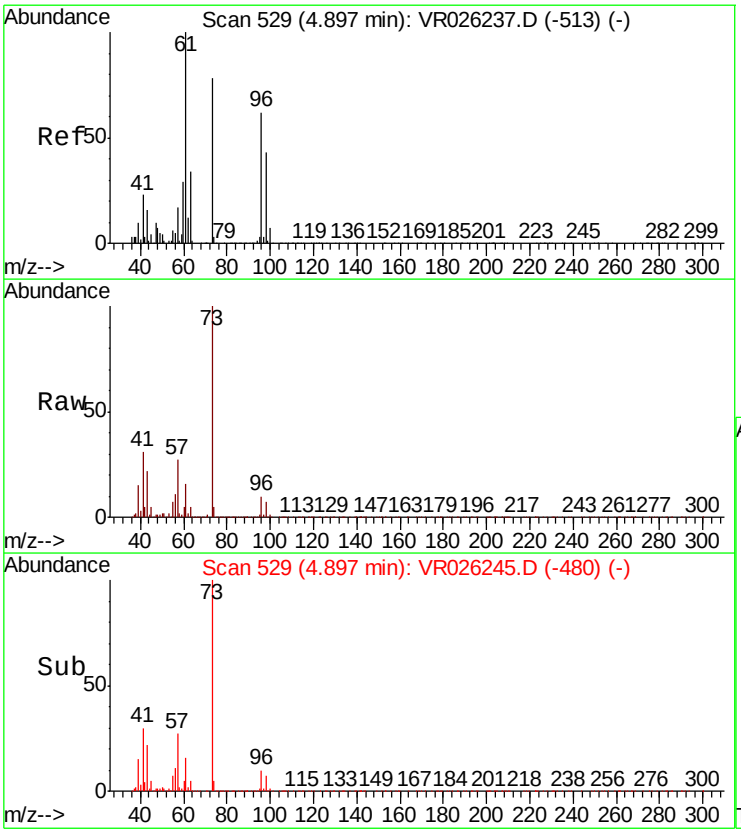
#5
Vinyl chloride
Concen: 1.981 ug/L
RT: 2.17 min Scan# 81
Delta R.T. 0.01 min
Lab File: VR026245.D
Acq: 21 Nov 2018 00:53

Instrument :
MSVOA_R
ClientSampleId :
H0FK5

Tgt Ion: 62 Resp: 118805

Ion	Ratio	Lower	Upper
62	100		
64	32.4	21.3	39.5

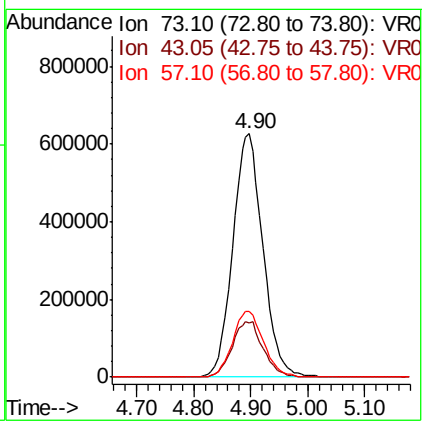


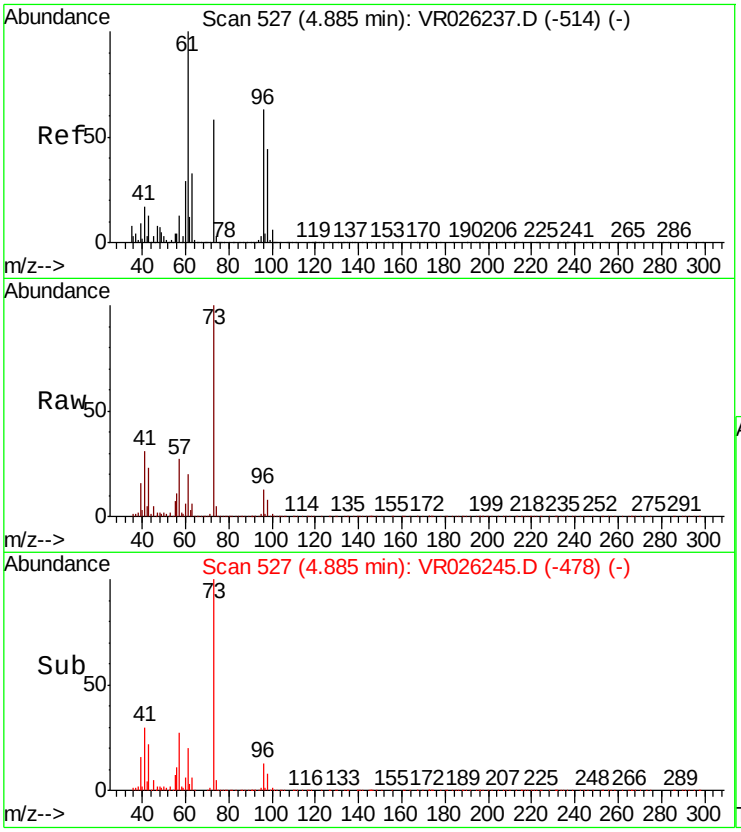


#17
Methyl tert-butyl Ether
Concen: 39.104 ug/L
RT: 4.90 min Scan# 529
Delta R.T. 0.00 min
Lab File: VR026245.D
Acq: 21 Nov 2018 00:53

Tgt Ion: 73 Resp: 2300778

Ion	Ratio	Lower	Upper
73	100		
43	23.5	19.0	28.4
57	27.9	17.9	26.9#



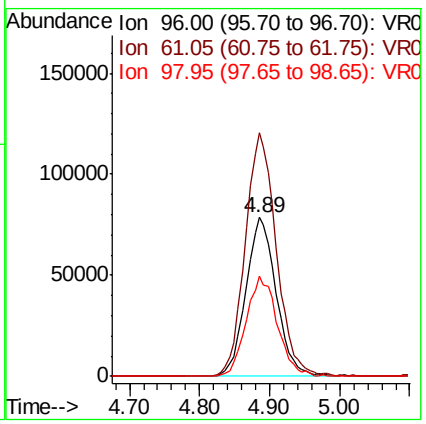


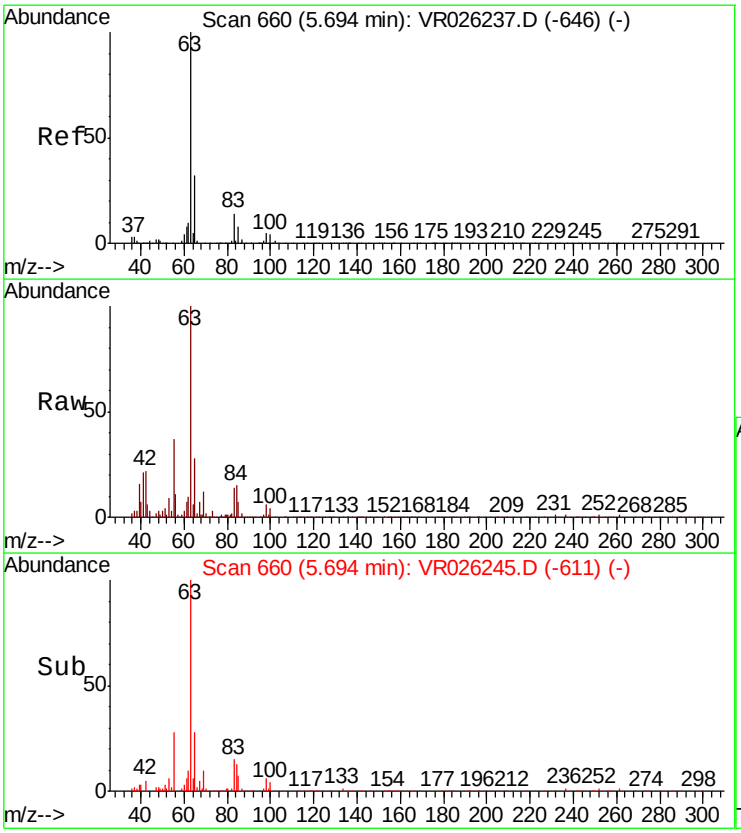
#18
trans-1,2-Dichloroethene
Concen: 4.516 ug/L
RT: 4.89 min Scan# 527
Delta R.T. 0.00 min
Lab File: VR026245.D
Acq: 21 Nov 2018 00:53

Instrument :
MSVOA_R
ClientSampleId :
H0FK5

Tgt Ion: 96 Resp: 236058

Ion	Ratio	Lower	Upper
96	100		
61	153.3	105.4	195.8
98	63.1	42.1	78.1

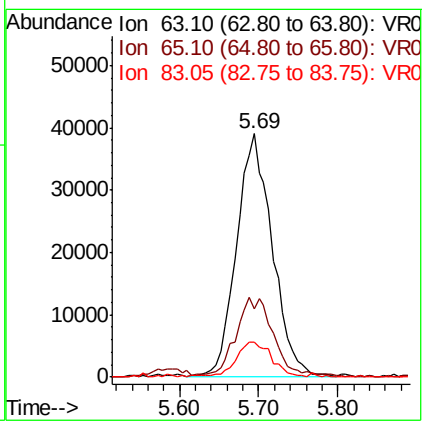


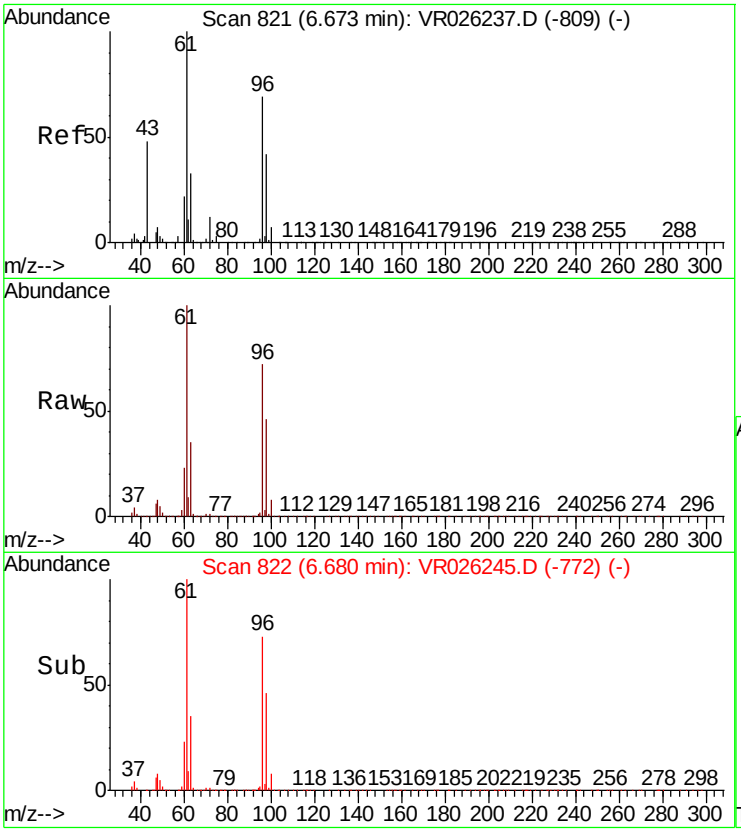


#19
1,1-Dichloroethane
Concen: 1.294 ug/L
RT: 5.69 min Scan# 660
Delta R.T. 0.00 min
Lab File: VR026245.D
Acq: 21 Nov 2018 00:53

Tgt Ion: 63 Resp: 121409

Ion	Ratio	Lower	Upper
63	100		
65	27.9	21.1	39.3
83	14.4	9.9	18.5



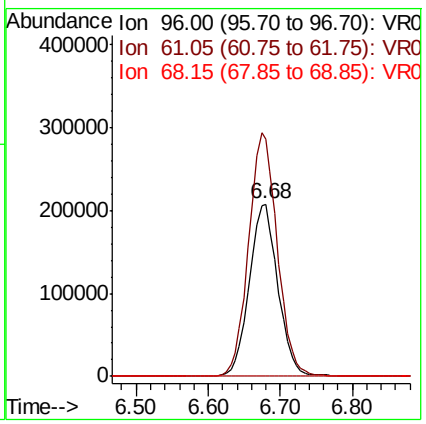


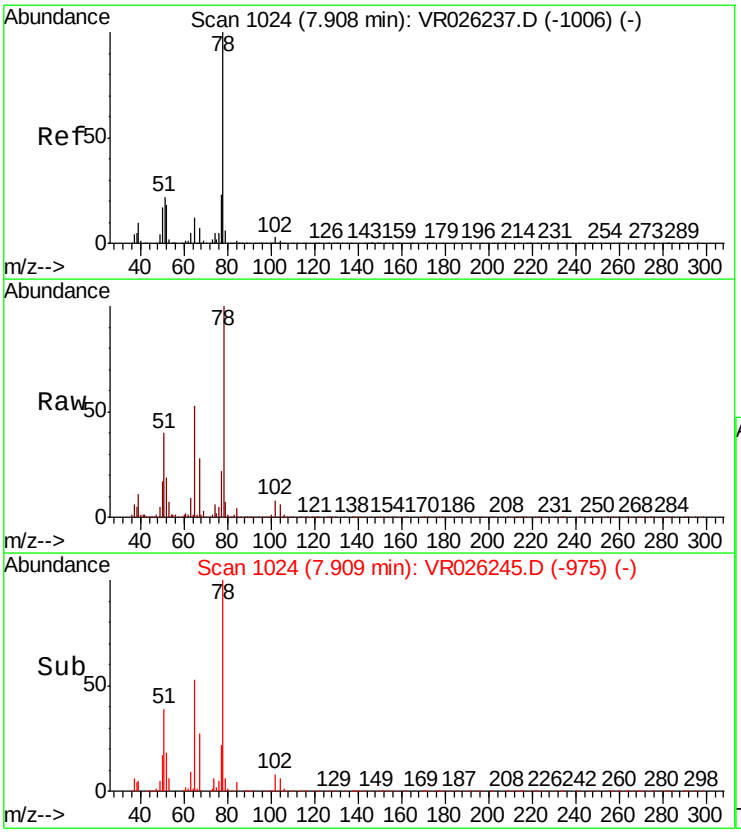
#22
cis-1,2-Dichloroethene
Concen: 12.123 ug/L
RT: 6.68 min Scan# 822
Delta R.T. 0.01 min
Lab File: VR026245.D
Acq: 21 Nov 2018 00:53

Instrument :
MSVOA_R
ClientSampleId :
H0FK5

Tgt Ion: 96 Resp: 571071

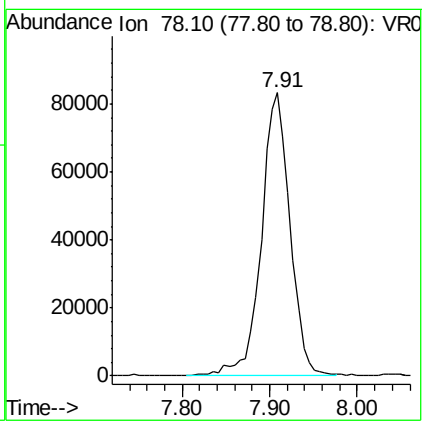
Ion	Ratio	Lower	Upper
96	100		
61	138.0	94.8	176.2
68	0.0	0.0	0.0

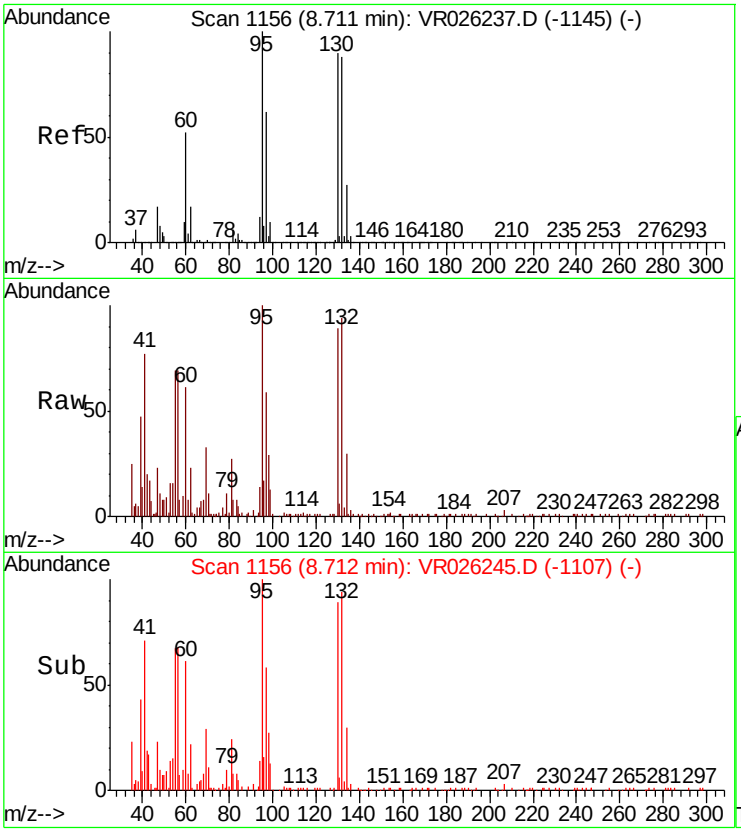




#33
Benzene
Concen: 0.956 ug/L
RT: 7.91 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VR026245.D
Acq: 21 Nov 2018 00:53

Tgt Ion: 78 Resp: 190660



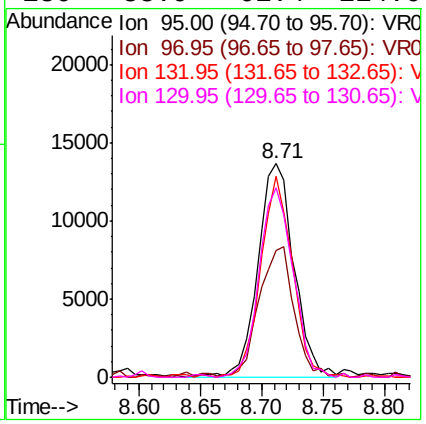


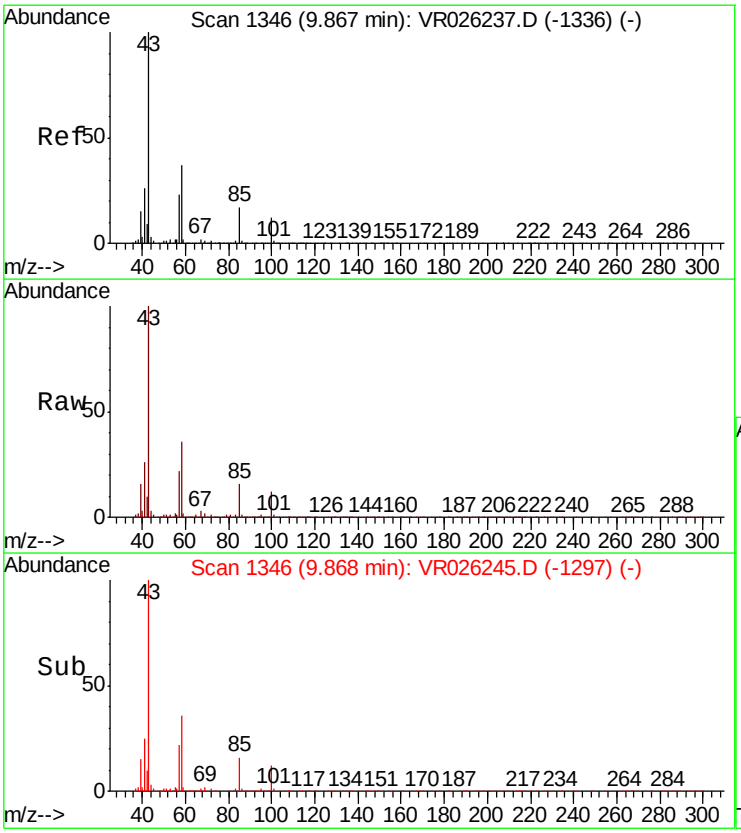
#34
Trichloroethene
Concen: 0.532 ug/L
RT: 8.71 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VR026245.D
Acq: 21 Nov 2018 00:53

Instrument : MSVOA_R
ClientSampleId : H0FK5

Tgt Ion: 95 Resp: 28095

Ion	Ratio	Lower	Upper
95	100		
97	59.3	45.1	83.7
132	94.1	59.8	111.0
130	88.9	61.4	114.0

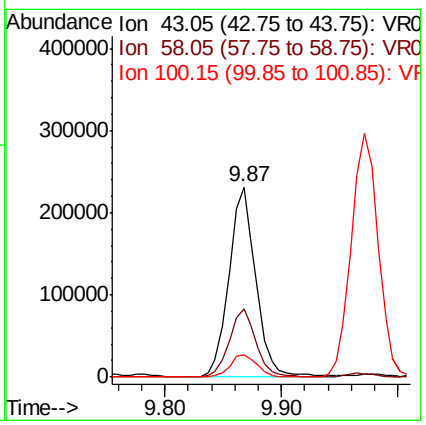


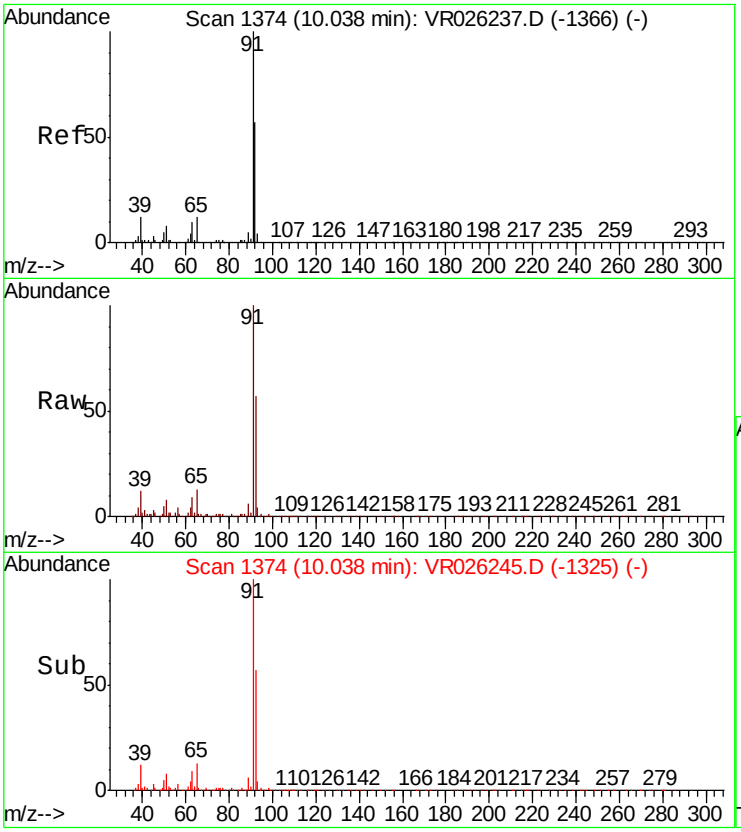


#40
4-Methyl-2-pentanone
Concen: 32.247 ug/L
RT: 9.87 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VR026245.D
Acq: 21 Nov 2018 00:53

Tgt Ion: 43 Resp: 369761

Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.0	42.0
100	12.0	10.0	15.0



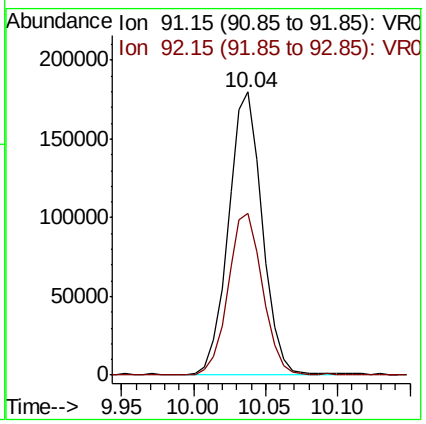


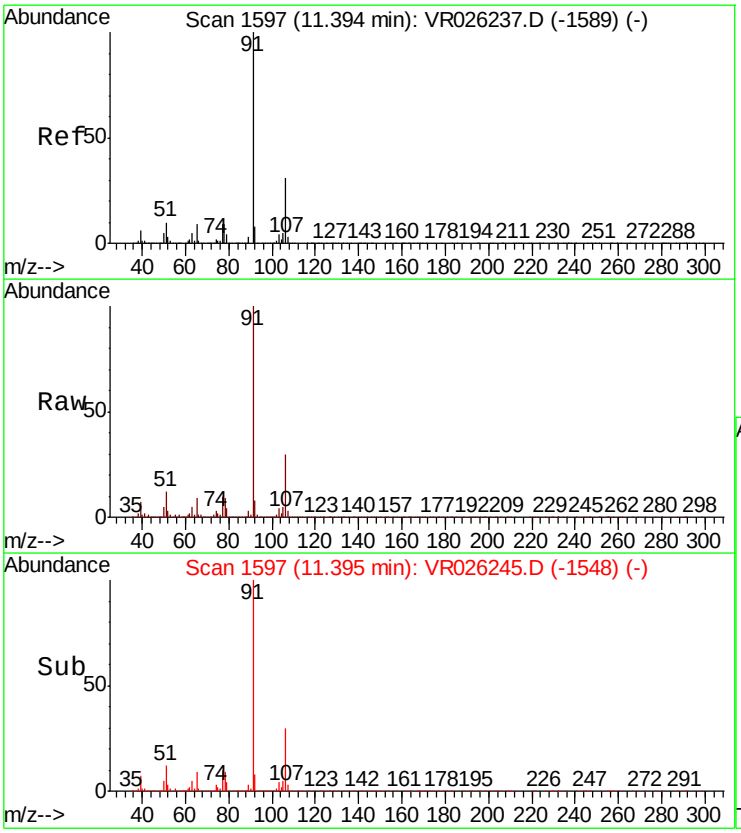
#42
Toluene
Concen: 1.229 ug/L
RT: 10.04 min Scan# 1374
Delta R.T. 0.00 min
Lab File: VR026245.D
Acq: 21 Nov 2018 00:53

Instrument : MSVOA_R
ClientSampleId : H0FK5

Tgt Ion: 91 Resp: 292756

Ion	Ratio	Lower	Upper
91	100		
92	56.9	39.5	73.3

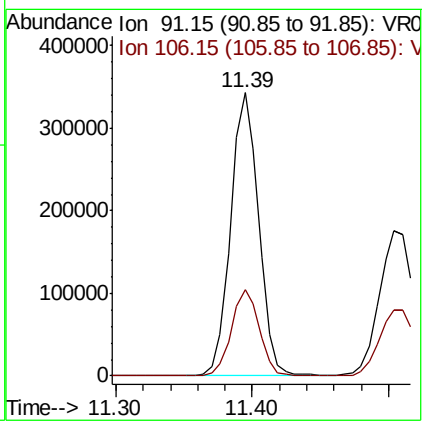


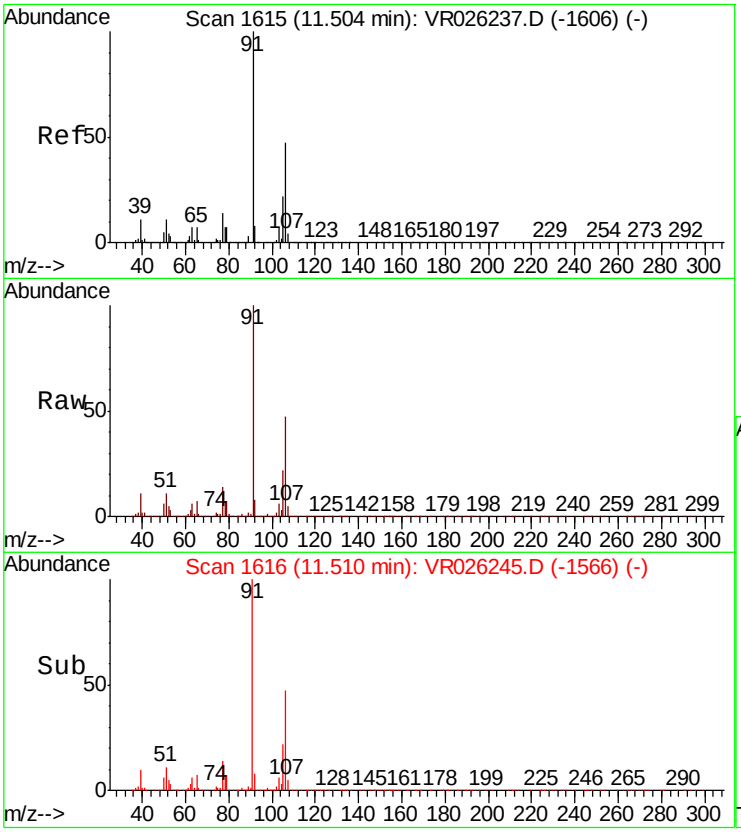


#52
Ethylbenzene
Concen: 2.045 ug/L
RT: 11.39 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VR026245.D
Acq: 21 Nov 2018 00:53

Tgt Ion: 91 Resp: 487872

Ion	Ratio	Lower	Upper
91	100		
106	30.4	21.3	39.6



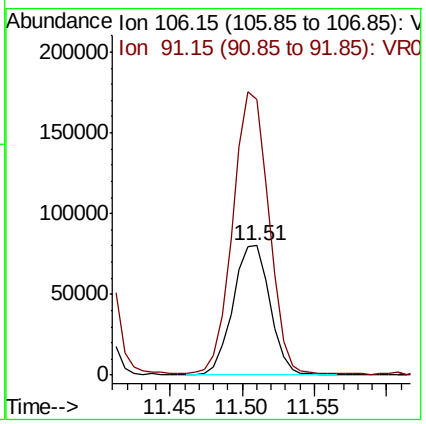


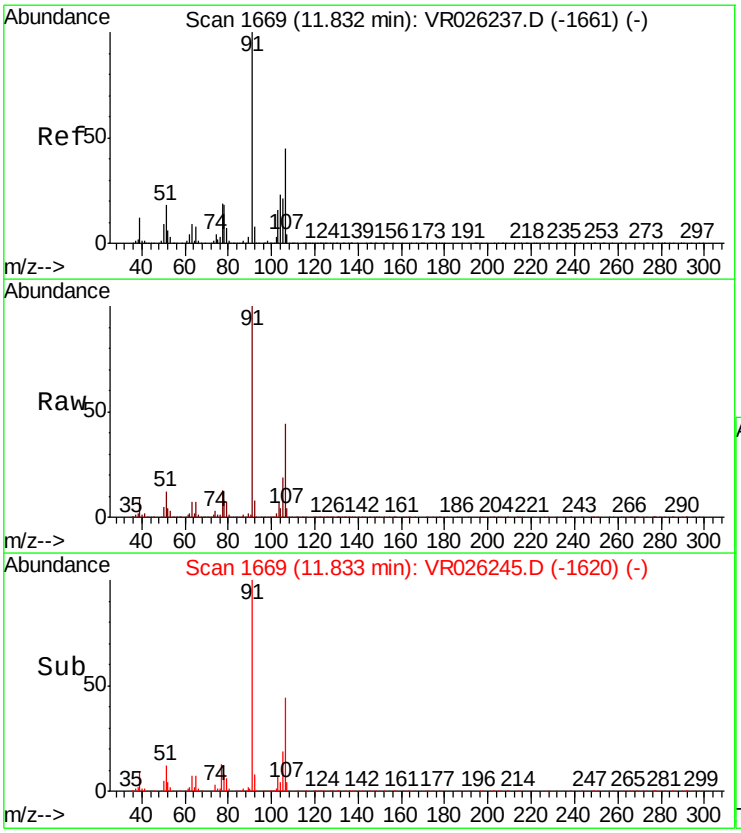
#53
m,p-Xylene
Concen: 1.629 ug/L
RT: 11.51 min Scan# 1616
Delta R.T. 0.01 min
Lab File: VR026245.D
Acq: 21 Nov 2018 00:53

Instrument :
MSVOA_R
ClientSampleId :
H0FK5

Tgt Ion:106 Resp: 143278

Ion	Ratio	Lower	Upper
106	100		
91	213.5	147.2	273.4

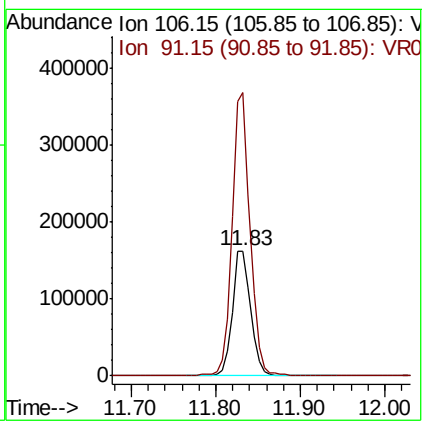


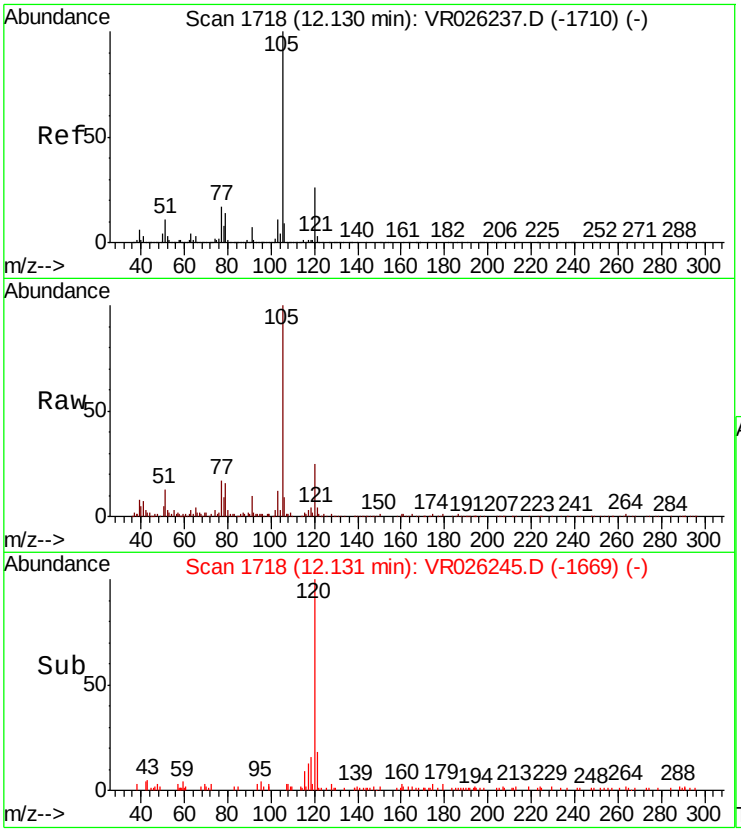


#54
o-Xylene
Concen: 2.936 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.00 min
Lab File: VR026245.D
Acq: 21 Nov 2018 00:53

Tgt Ion:106 Resp: 236468

Ion	Ratio	Lower	Upper
106	100		
91	227.0	159.0	295.4





#56
Isopropylbenzene
Concen: 0.183 ug/L
RT: 12.13 min Scan# 1718
Delta R.T. 0.00 min
Lab File: VR026245.D
Acq: 21 Nov 2018 00:53

Instrument :
MSVOA_R
ClientSampleId :
H0FK5

Tgt Ion:105 Resp: 40287

Ion	Ratio	Lower	Upper
105	100		
120	27.4	20.9	31.3
77	19.4	13.8	20.6