Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111519\
Data File : VW014042.D
Acq On : 15 Nov 2019 15:47
Operator : SY/VA
Sample : K5811-05
Misc : 3.97G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOP3

Quant Time: Nov 16 04:48:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Sat Nov 16 04:05:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	280606	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	183405	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	45043	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.35	65	110539	24.69	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 98.76%			
7) Chloroethane-d5	2.89	69	94775	26.11	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 104.44%			
10) 1,1-Dichloroethene-d2	4.02	63	156624	17.05	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 68.20%			
20) 2-Butanone-d5	7.07	46	76428	58.76	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 117.52%			
24) Chloroform-d	7.65	84	226246	26.22	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 104.88%			
26) 1,2-Dichloroethane-d4	8.31	65	127147	29.31	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 117.24%			
29) Benzene-d6	8.27	84	462877	35.57	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 142.28%#			
33) 1,2-Dichloropropane-d6	9.27	67	140555	36.87	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 147.48%#			
37) Toluene-d8	10.32	98	346341	28.07	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 112.28%			
38) trans-1,3-Dichloropropene-	10.57	79	52018	31.86	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 127.44%			
39) 2-Hexanone-d5	10.92	63	56213	77.76	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 155.52%#			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	76323	26.51	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 106.04%			
61) 1,2-Dichlorobenzene-d4	13.85	152	41338	22.84	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 91.36%			
Target Compounds						Qvalue
13) Acetone	4.12	43	9771	7.383	ug/L	98
14) Carbon disulfide	4.39	76	9084	0.674	ug/L #	93
16) Methylene chloride	4.91	84	8658	1.603	ug/L	84
18) trans-1,2-Dichloroethene	5.42	96	47816	9.680	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	5732718	1102.840	ug/L	99
34) Benzene	8.32	78	7841	0.583	ug/L	100
35) Trichloroethene	9.09	95	4646818	1294.901	ug/L	99
36) Methylcyclohexane	9.33	83	3357	0.522	ug/L	89
44) Toluene	10.38	91	36363	2.479	ug/L	96
47) Tetrachloroethene	10.86	164	2523339	788.895	ug/L	99
52) Chlorobenzene	11.66	112	3510	0.382	ug/L	89
53) Ethylbenzene	11.73	91	106767	6.634	ug/L	98
54) m,p-Xylene	11.84	106	189475	30.292	ug/L	95
55) o-xylene	12.16	106	98642	16.841	ug/L	97

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

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Quant Title : VOC Analysis
QLast Update : Sat Nov 16 04:05:25 2019
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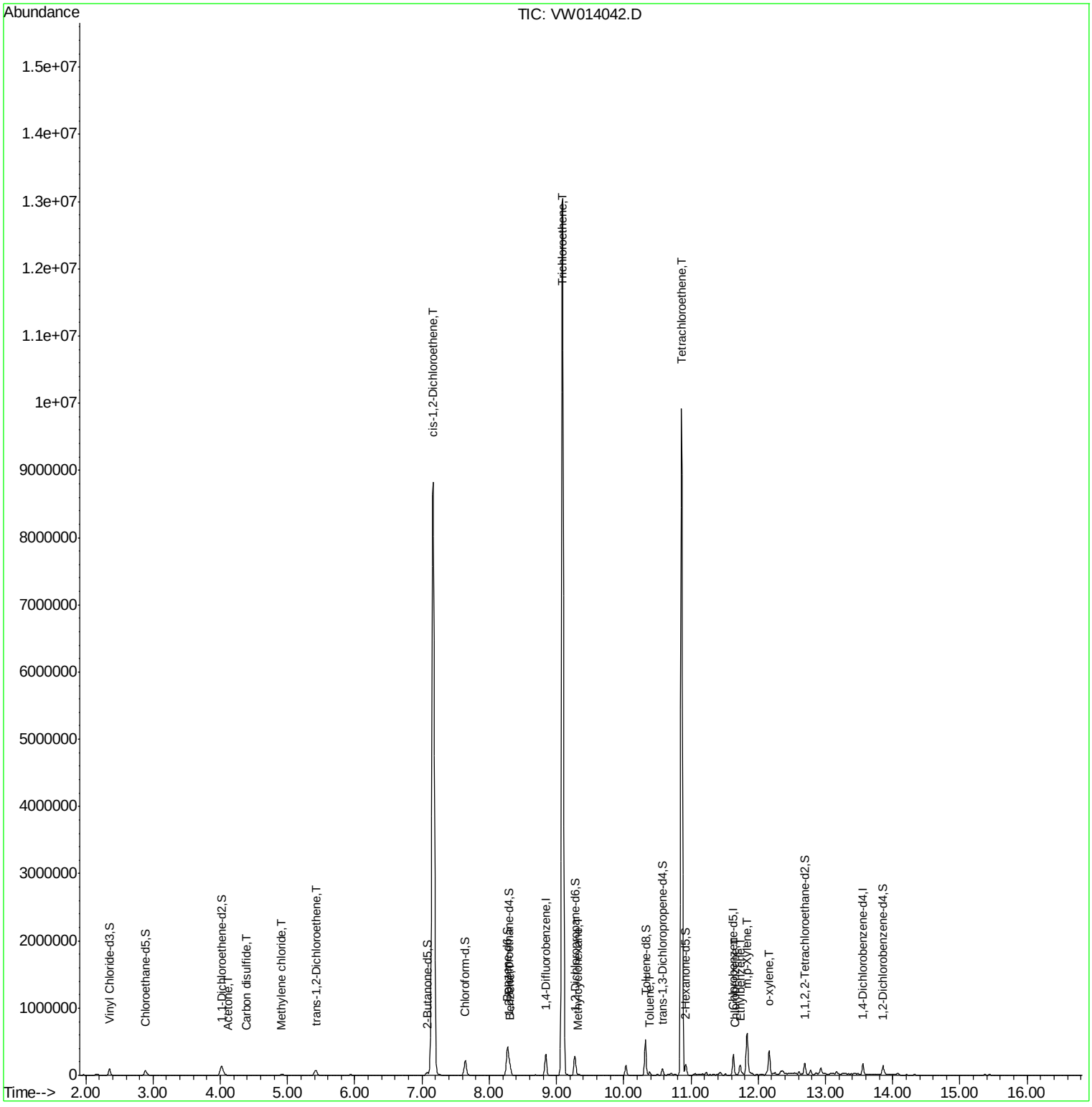
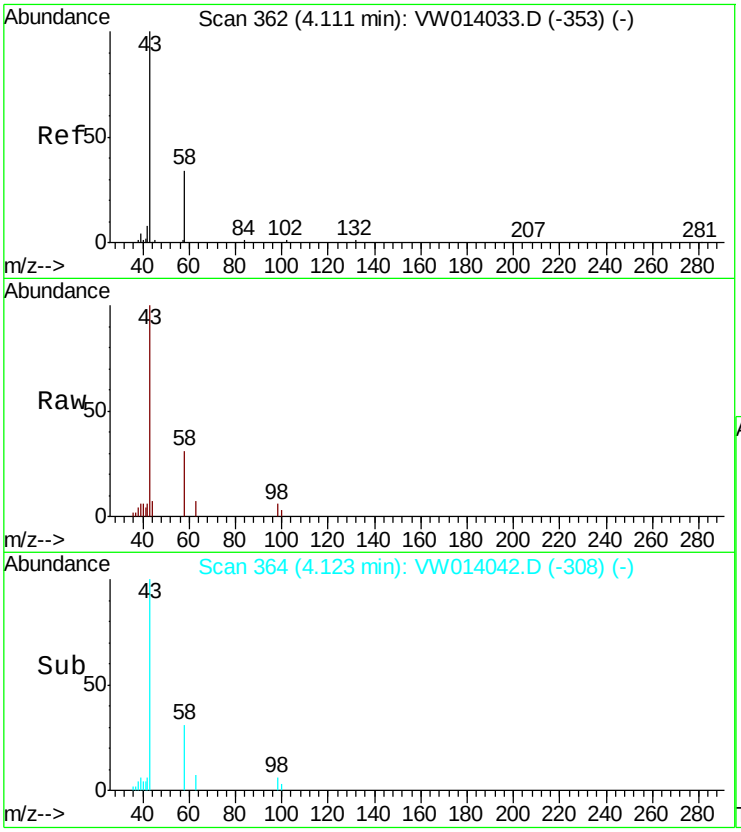


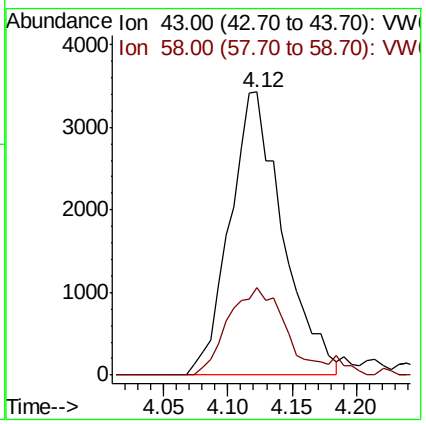


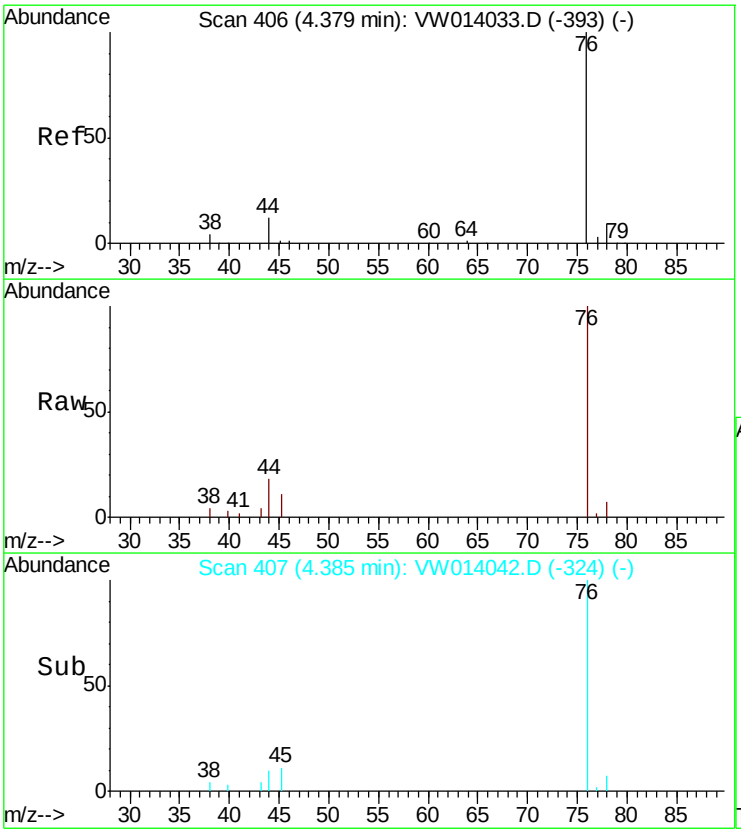
#13
Acetone
Concen: 7.383 ug/L
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW014042.D
Acq: 15 Nov 2019 15:47

Instrument : MSVOA_W
ClientSampleId : ETOP3

Tgt Ion: 43 Resp: 9771

Ion	Ratio	Lower	Upper
43	100		
58	33.7	0.0	65.4

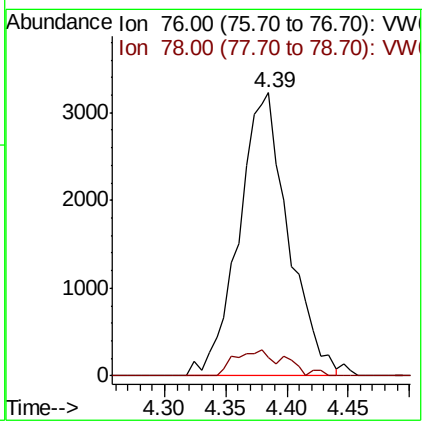


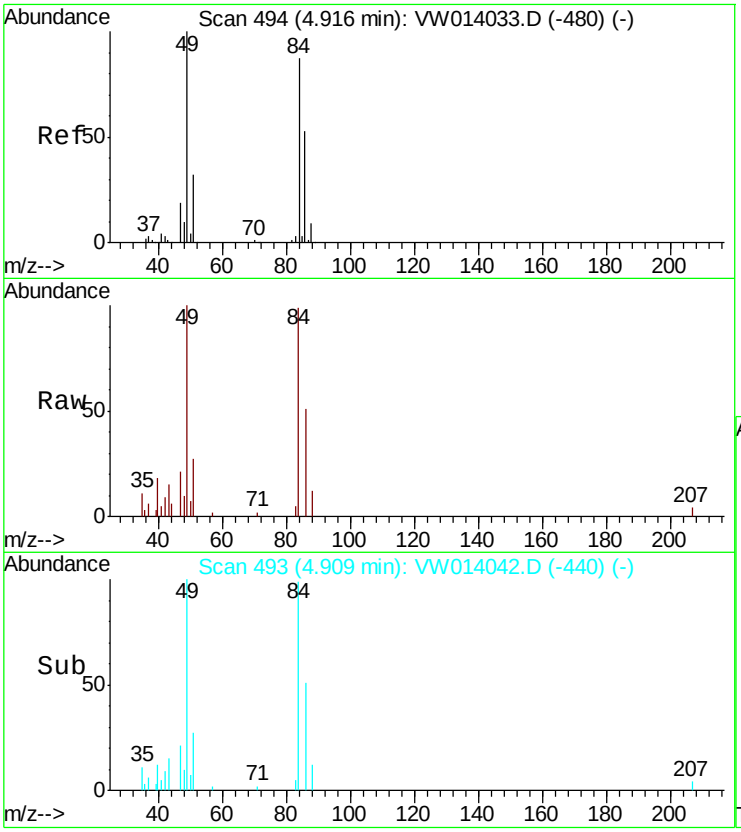


#14
Carbon disulfide
Concen: 0.674 ug/L
RT: 4.39 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW014042.D
Acq: 15 Nov 2019 15:47

Tgt Ion: 76 Resp: 9084

Ion	Ratio	Lower	Upper
76	100		
78	6.6	7.2	10.8#



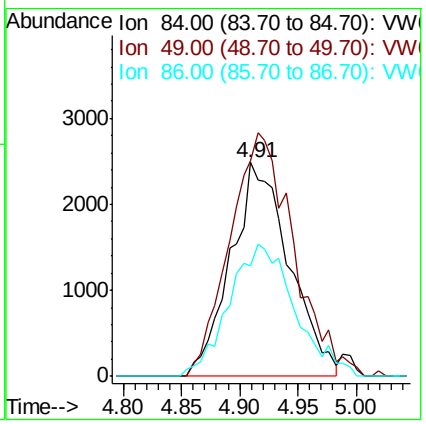


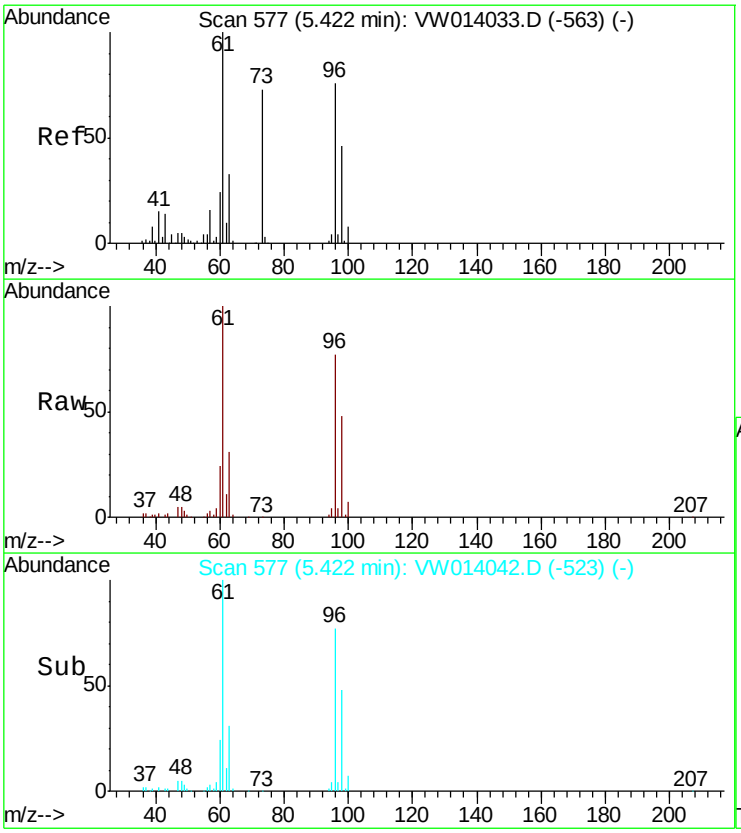
#16
Methylene chloride
Concen: 1.603 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW014042.D
Acq: 15 Nov 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
ETOP3

Tgt Ion: 84 Resp: 8658

Ion	Ratio	Lower	Upper
84	100		
49	100.6	84.2	156.4
86	51.6	43.7	81.1

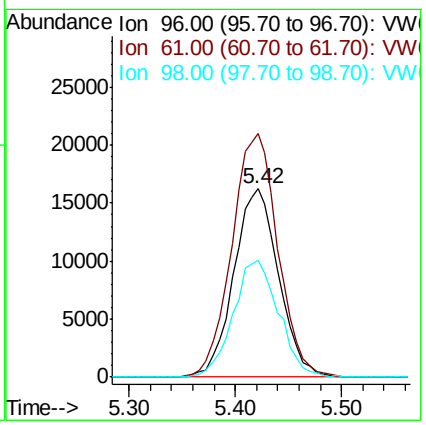


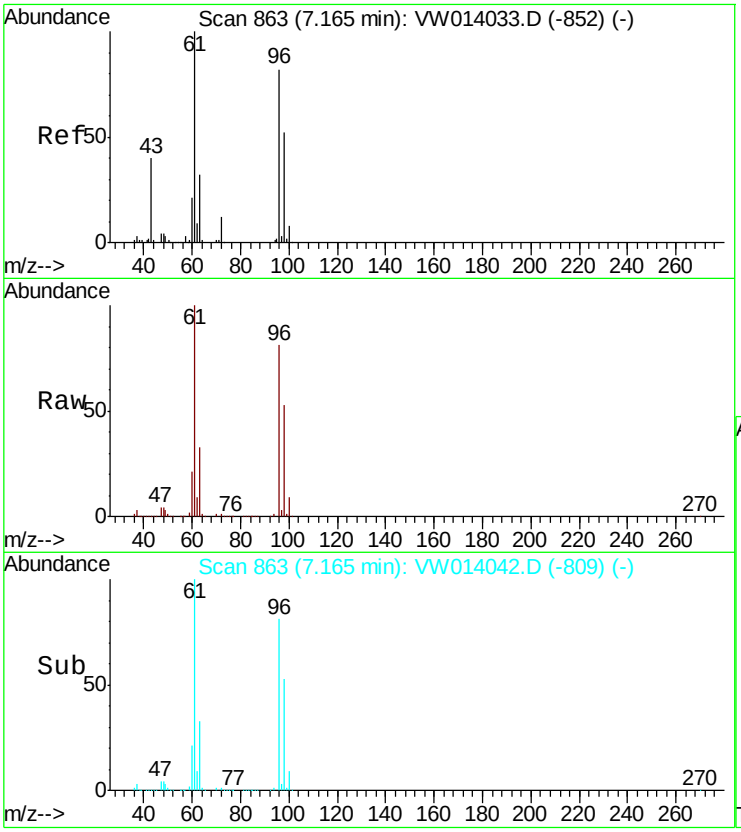


#18
trans-1,2-Dichloroethene
Concen: 9.680 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014042.D
Acq: 15 Nov 2019 15:47

Tgt Ion: 96 Resp: 47816

Ion	Ratio	Lower	Upper
96	100		
61	129.3	90.6	168.2
98	61.9	42.9	79.7



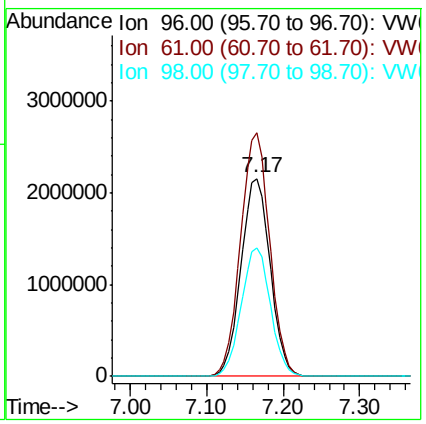


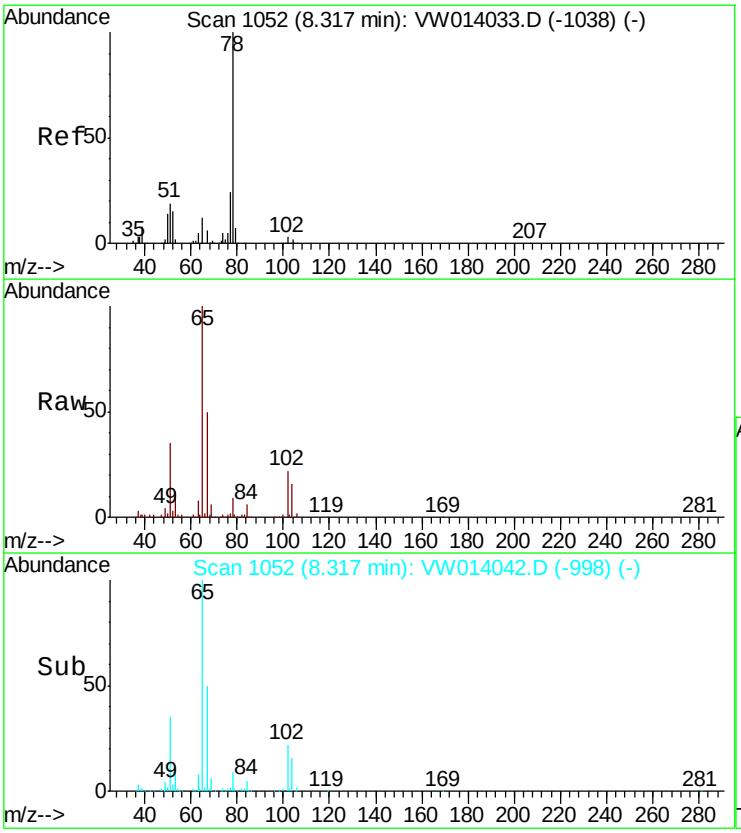
#22
cis-1,2-Dichloroethene
Concen: 1102.840 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014042.D
Acq: 15 Nov 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
ETOP3

Tgt Ion: 96 Resp: 5732718

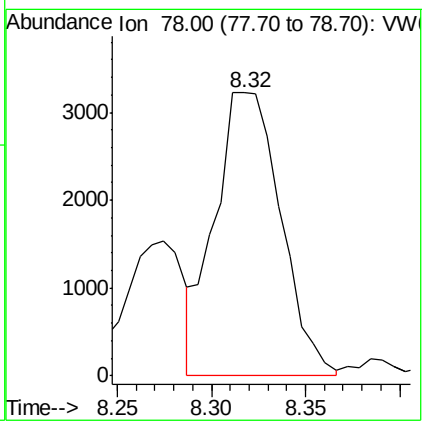
Ion	Ratio	Lower	Upper
96	100		
61	123.2	86.9	161.5
98	65.0	45.5	84.5

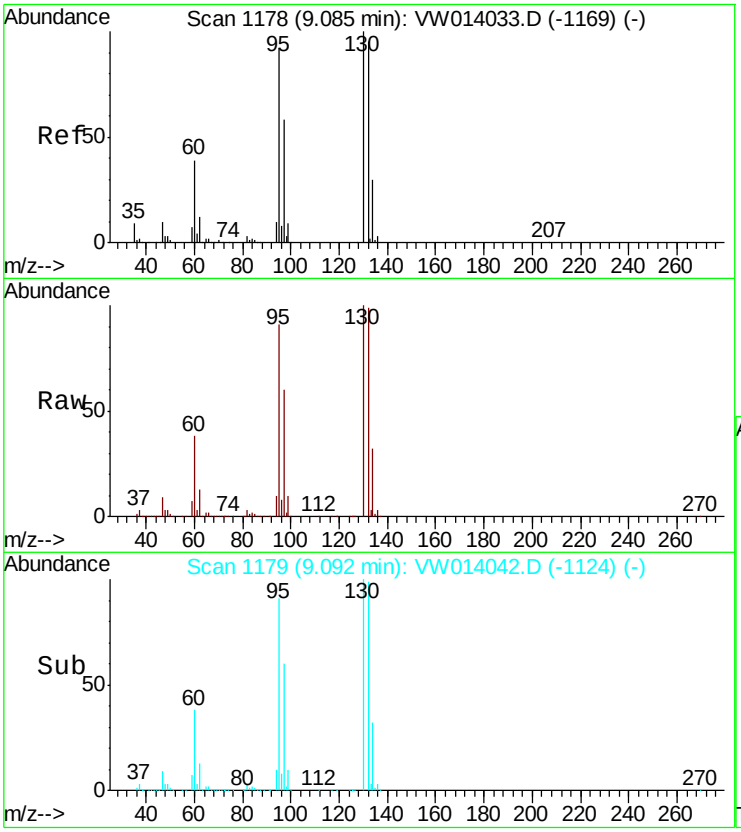




#34
Benzene
Concen: 0.583 ug/L
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014042.D
Acq: 15 Nov 2019 15:47

Tgt Ion: 78 Resp: 7841



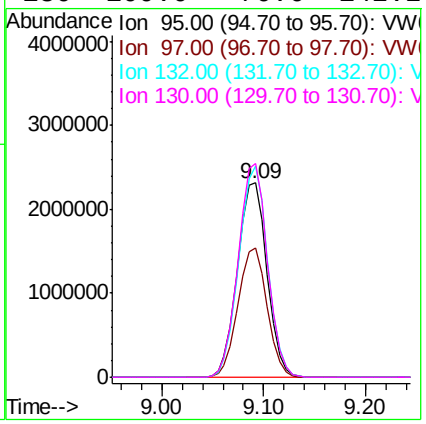


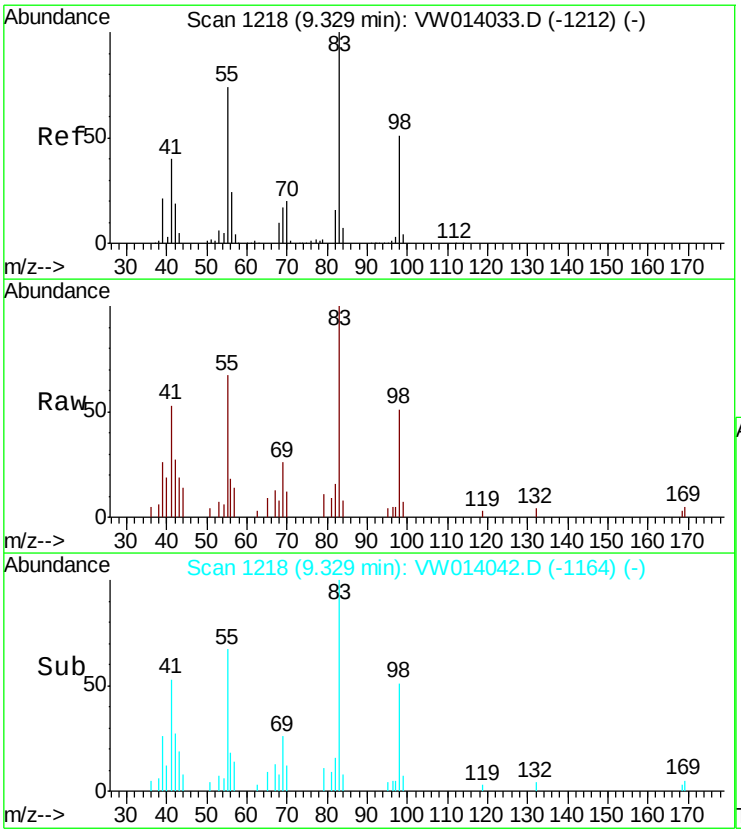
#35
Trichloroethene
Concen: 1294.901 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. 0.01 min
Lab File: VW014042.D
Acq: 15 Nov 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
ETOP3

Tgt Ion: 95 Resp: 4646818

Ion	Ratio	Lower	Upper
95	100		
97	65.7	45.1	83.9
132	106.3	73.7	136.9
130	109.0	76.6	142.2

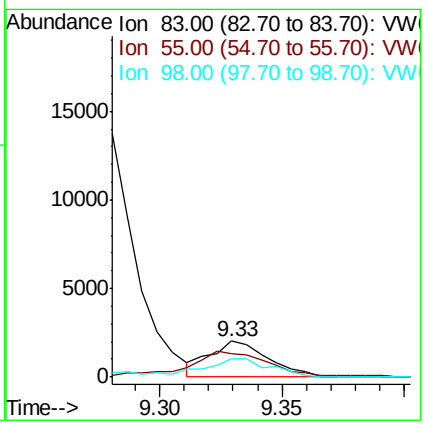


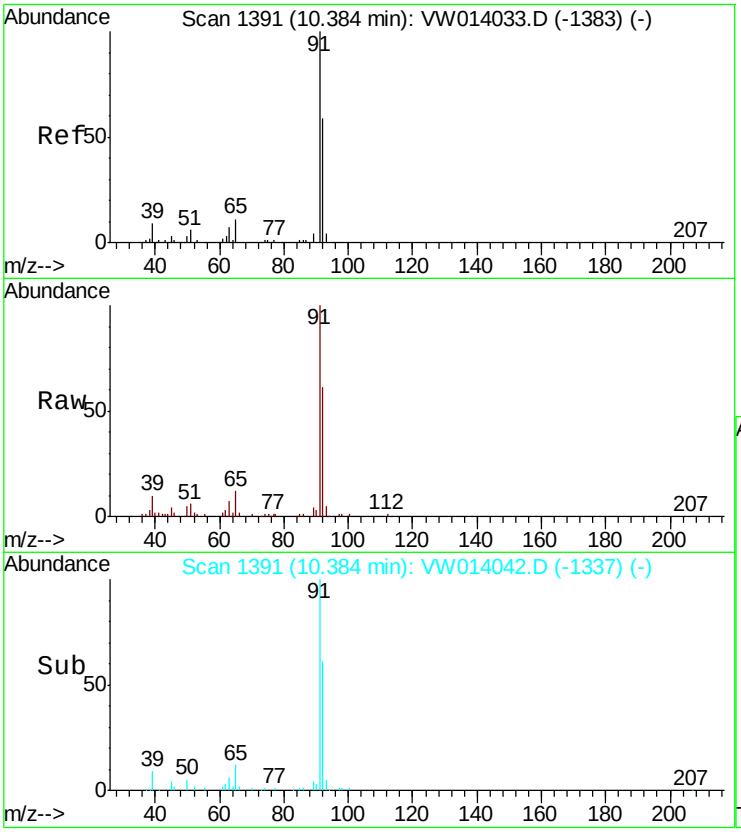


#36
Methylcyclohexane
Concen: 0.522 ug/L
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW014042.D
Acq: 15 Nov 2019 15:47

Tgt Ion: 83 Resp: 3357

Ion	Ratio	Lower	Upper
83	100		
55	84.5	59.8	89.8
98	57.2	39.5	59.3



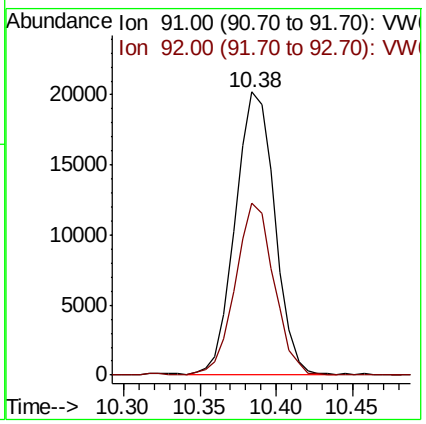


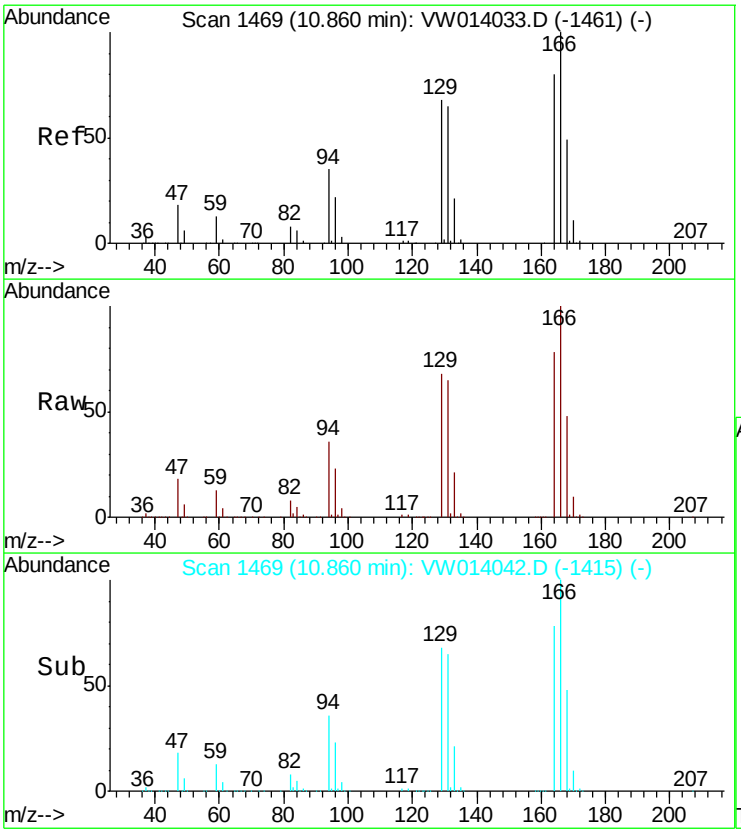
#44
Toluene
Concen: 2.479 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW014042.D
Acq: 15 Nov 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
ETOP3

Tgt Ion: 91 Resp: 36363

Ion	Ratio	Lower	Upper
91	100		
92	60.8	40.7	75.7

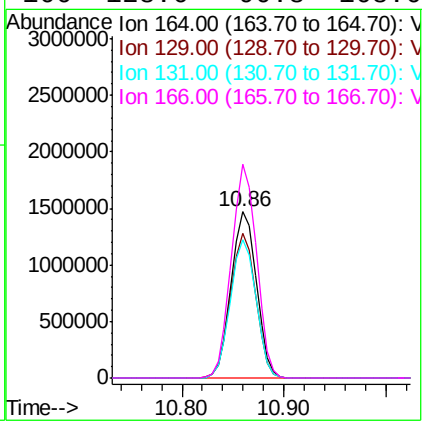


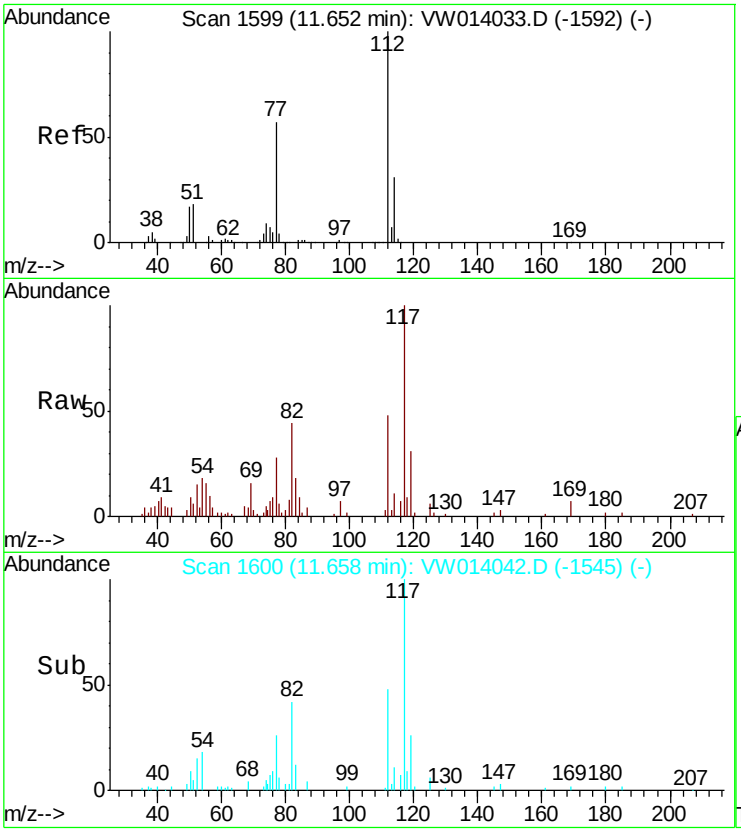


#47
Tetrachloroethene
Concen: 788.895 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014042.D
Acq: 15 Nov 2019 15:47

Tgt Ion:164 Resp: 2523339

Ion	Ratio	Lower	Upper
164	100		
129	87.0	60.6	112.6
131	83.4	59.1	109.7
166	128.6	90.8	168.6



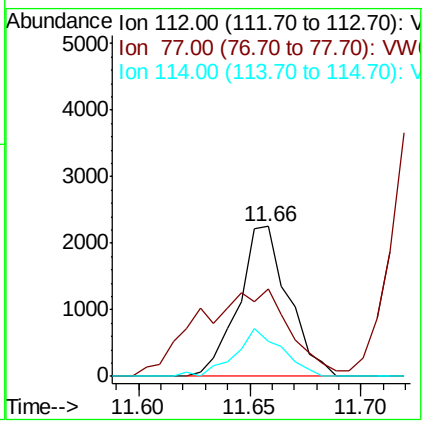


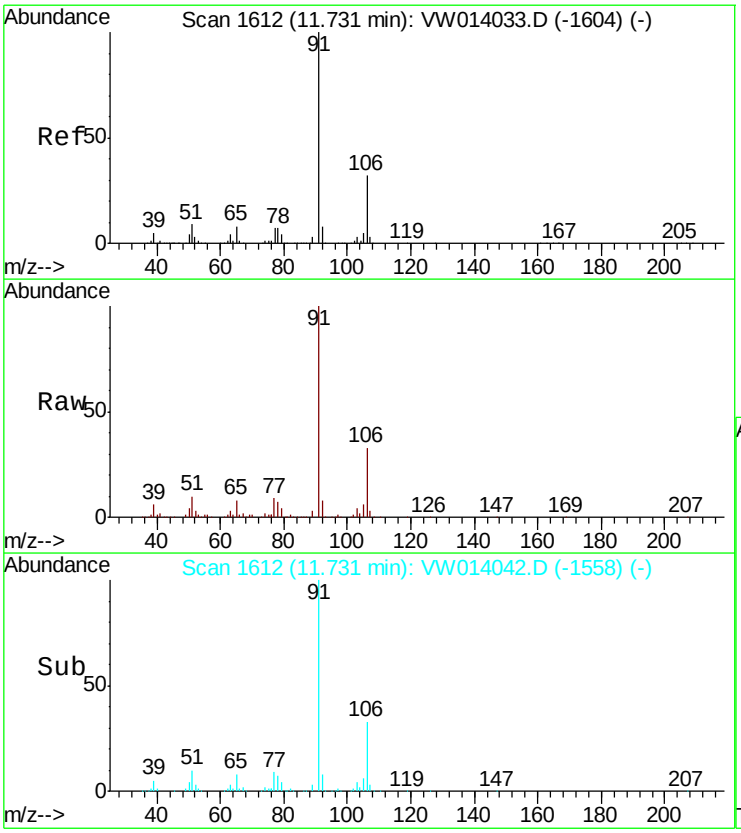
#52
Chlorobenzene
Concen: 0.382 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VW014042.D
Acq: 15 Nov 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
ETOP3

Tgt Ion:112 Resp: 3510

Ion	Ratio	Lower	Upper
112	100		
77	58.4	42.2	63.4
114	23.6	22.5	41.9

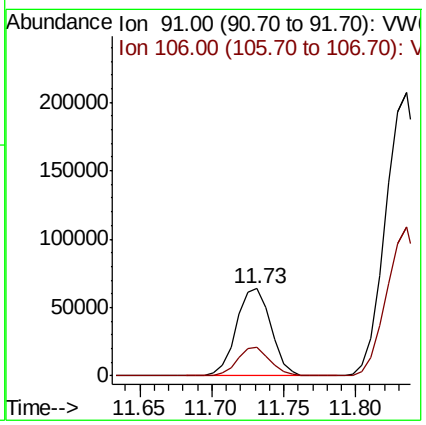


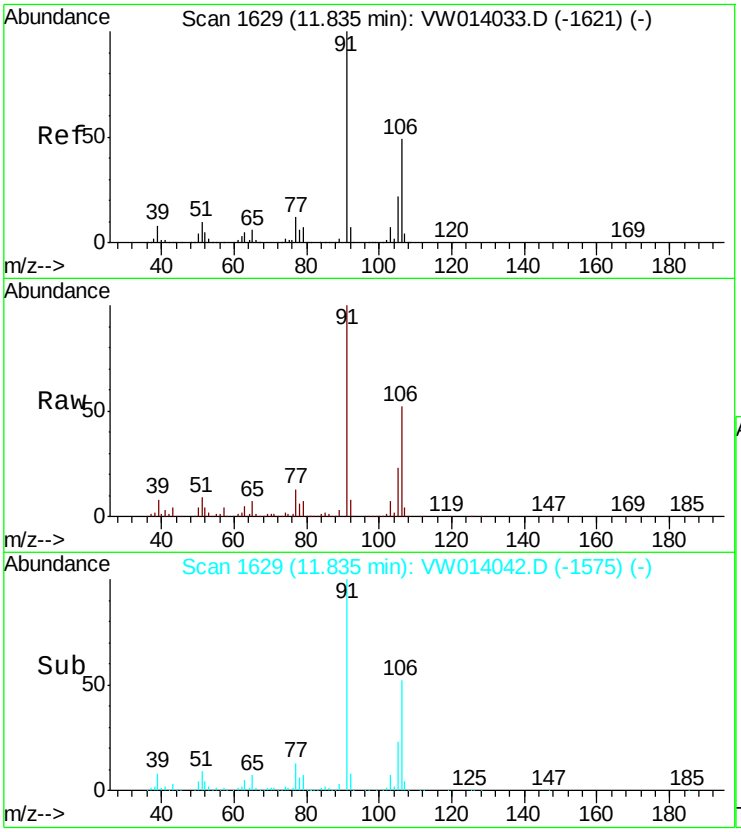


#53
Ethylbenzene
Concen: 6.634 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW014042.D
Acq: 15 Nov 2019 15:47

Tgt Ion: 91 Resp: 106767

Ion	Ratio	Lower	Upper
91	100		
106	33.1	22.3	41.5



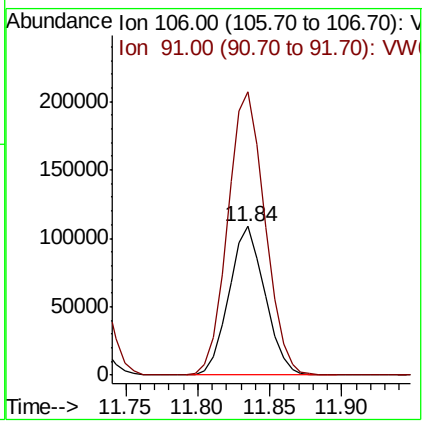


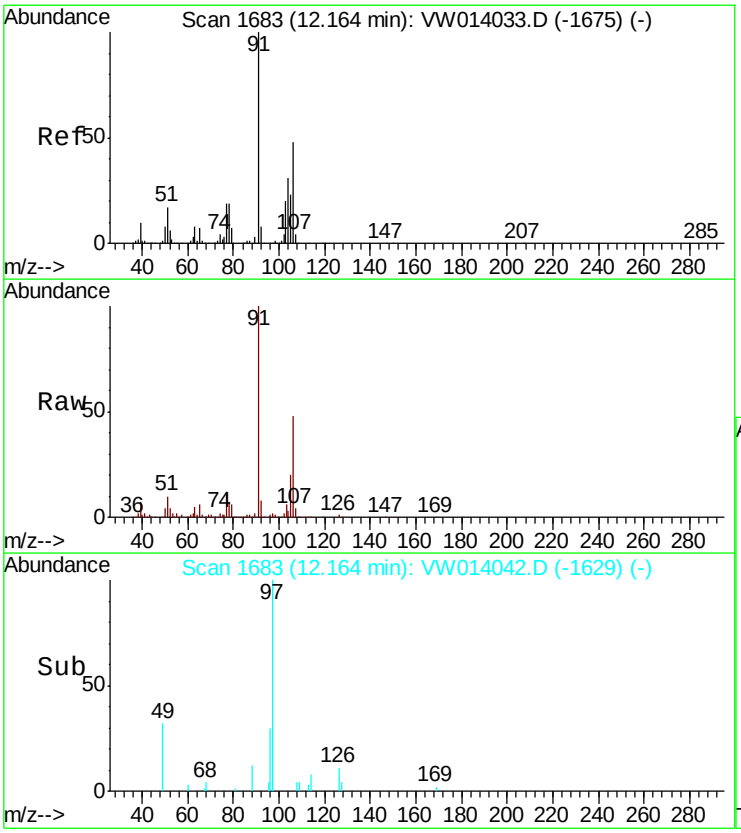
#54
m,p-Xylene
Concen: 30.292 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014042.D
Acq: 15 Nov 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
ETOP3

Tgt Ion:106 Resp: 189475

Ion	Ratio	Lower	Upper
106	100		
91	190.5	138.7	257.5





#55
o-xylene
Concen: 16.841 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014042.D
Acq: 15 Nov 2019 15:47

Tgt Ion:106 Resp: 98642

Ion	Ratio	Lower	Upper
106	100		
91	206.7	148.3	275.5