Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD7

Quant Time: Dec 12 04:41:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 11 10:03:37 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	282609	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	190106	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	50892	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.25	65	68015	17.02	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 68.08%			
7) Chloroethane-d5	2.77	69	64562	21.41	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 85.64%			
10) 1,1-Dichloroethene-d2	3.86	63	117957	15.68	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 62.72%			
20) 2-Butanone-d5	6.90	46	74095	52.00	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 104.00%			
24) Chloroform-d	7.49	84	174605	24.01	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 96.04%			
26) 1,2-Dichloroethane-d4	8.15	65	97472	23.82	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 95.28%			
29) Benzene-d6	8.12	84	361433	32.84	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 131.36%			
33) 1,2-Dichloropropane-d6	9.12	67	117275	36.01	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 144.04%#			
37) Toluene-d8	10.18	98	277199	28.10	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 112.40%			
38) trans-1,3-Dichloropropene-	10.44	79	38094	24.47	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 97.88%			
39) 2-Hexanone-d5	10.79	63	56406	69.13	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 138.26%#			
48) 1,1,2,2-Tetrachloroethane-	12.56	84	82535	28.44	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 113.76%			
61) 1,2-Dichlorobenzene-d4	13.72	152	51064	27.62	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 110.48%			
Target Compounds						Qvalue
13) Acetone	3.97	43	4374	4.188	ug/L	94
16) Methylene chloride	4.73	84	5164	1.041	ug/L	98
35) Trichloroethene	8.94	95	803	0.269	ug/L #	75
44) Toluene	10.25	91	6500	0.567	ug/L	93
47) Tetrachloroethene	10.72	164	692	0.298	ug/L #	76
54) m,p-Xylene	11.70	106	1315	0.272	ug/L	88
57) Isopropylbenzene	12.33	105	1969	0.163	ug/L #	77

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

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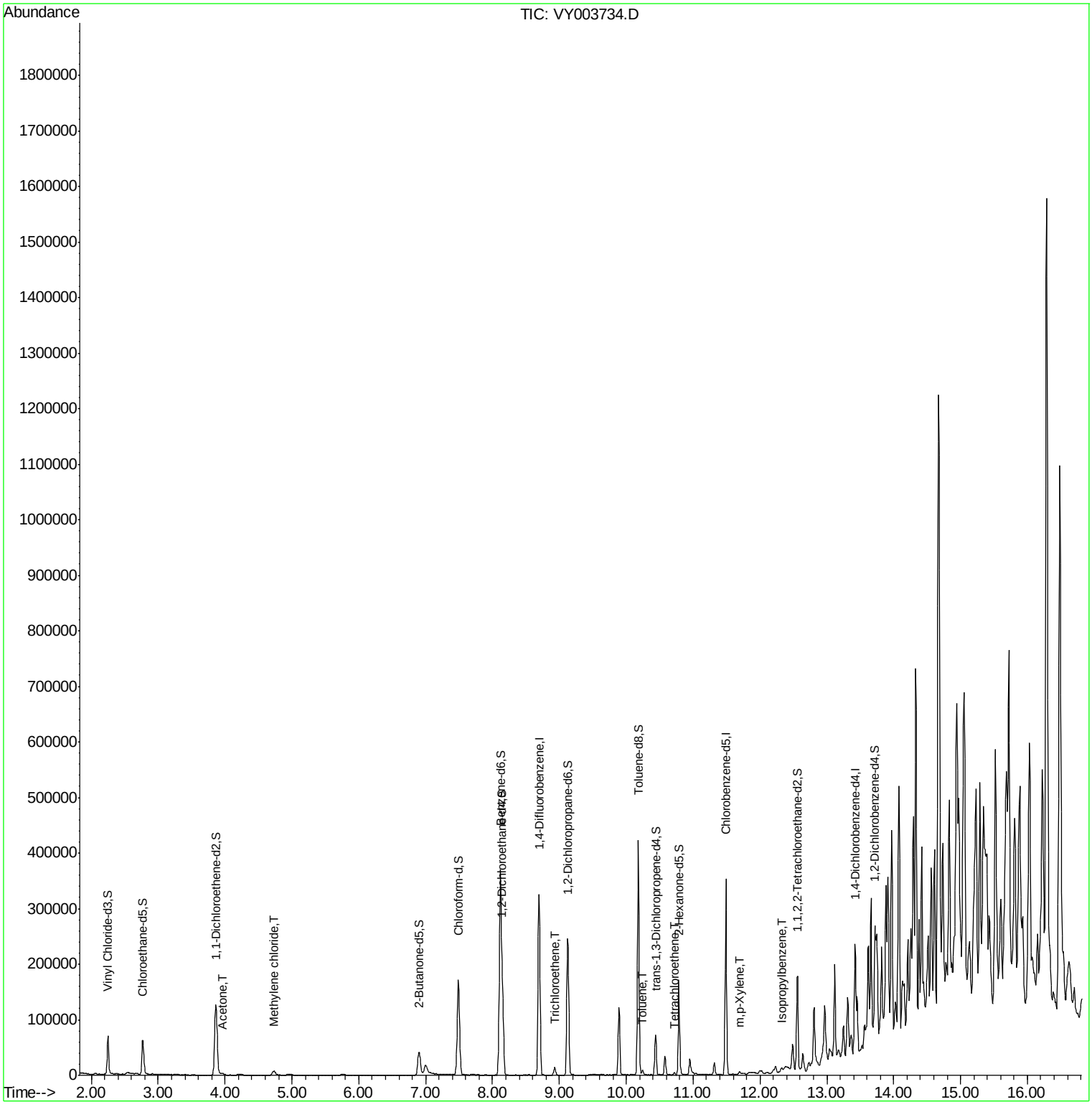
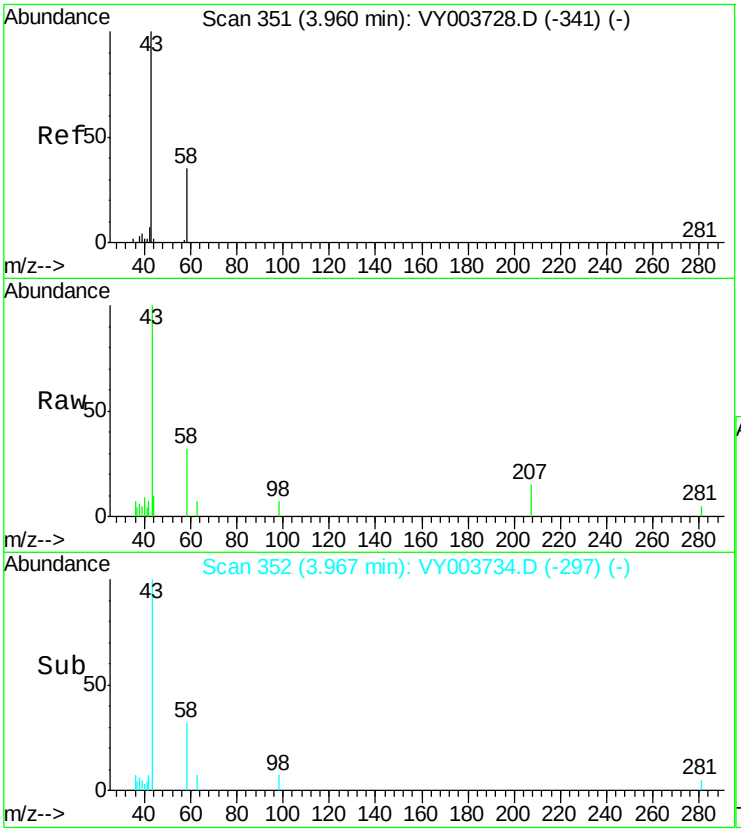


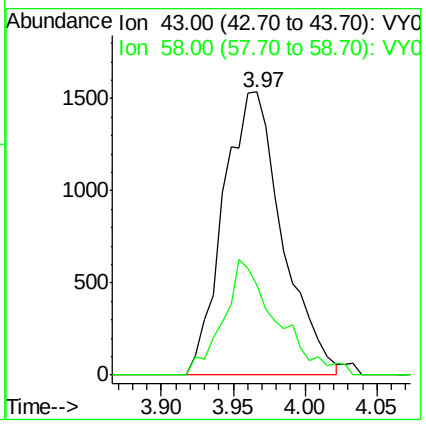


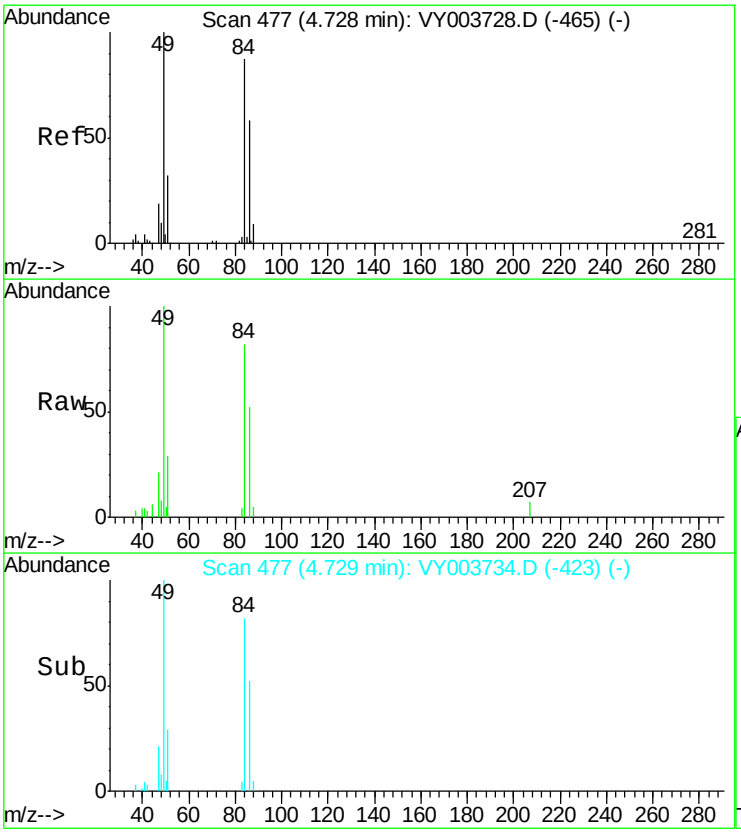
#13
Acetone
Concen: 4.188 ug/L
RT: 3.97 min Scan# 352
Delta R.T. 0.01 min
Lab File: VY003734.D
Acq: 11 Dec 2020 17:58

Instrument : MSVOA_Y
ClientSampleId : C0AD7

Tgt Ion: 43 Resp: 4374

Ion	Ratio	Lower	Upper
43	100		
58	30.7	0.0	68.8

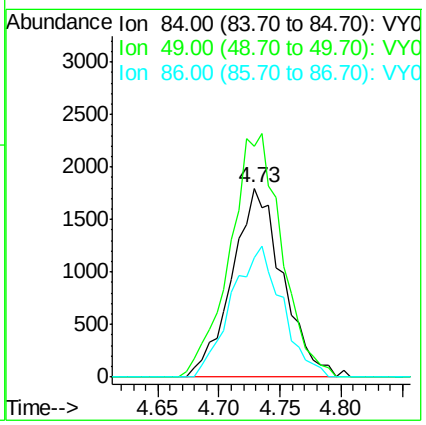


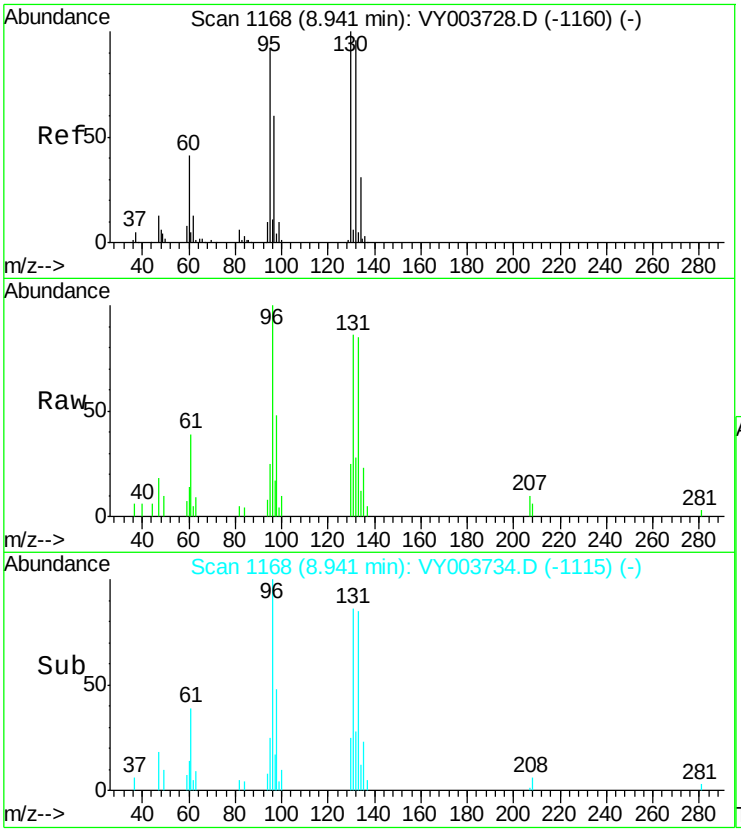


#16
Methylene chloride
Concen: 1.041 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VY003734.D
Acq: 11 Dec 2020 17:58

Tgt Ion: 84 Resp: 5164

Ion	Ratio	Lower	Upper
84	100		
49	122.2	83.7	155.4
86	63.6	45.0	83.6



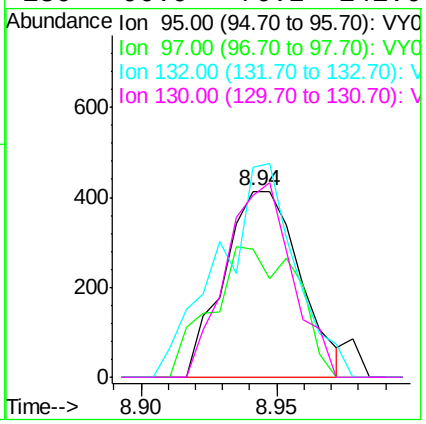


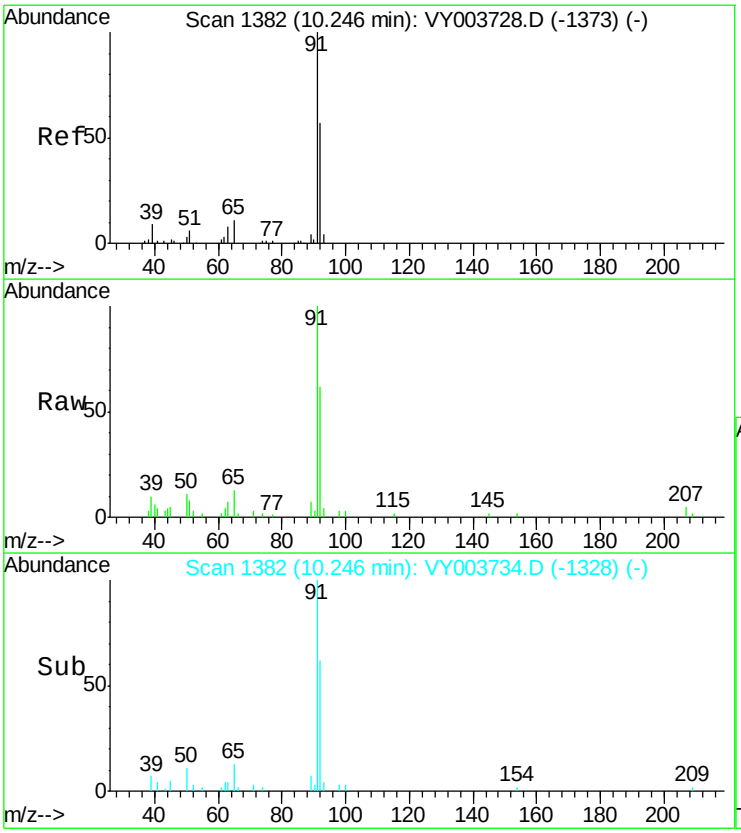
#35
Trichloroethene
Concen: 0.269 ug/L
RT: 8.94 min Scan# 1168
Delta R.T. -0.01 min
Lab File: VY003734.D
Acq: 11 Dec 2020 17:58

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7

Tgt Ion: 95 Resp: 803

Ion	Ratio	Lower	Upper
95	100		
97	16.8	45.8	85.0#
132	116.2	74.2	137.8
130	90.9	76.2	141.6

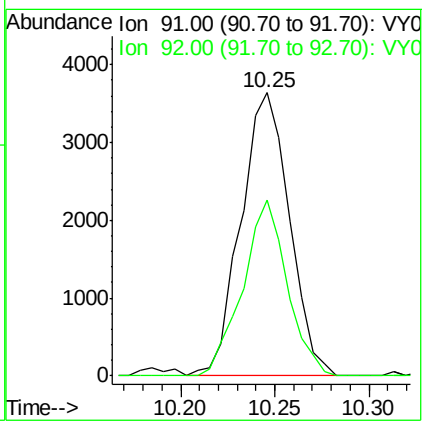


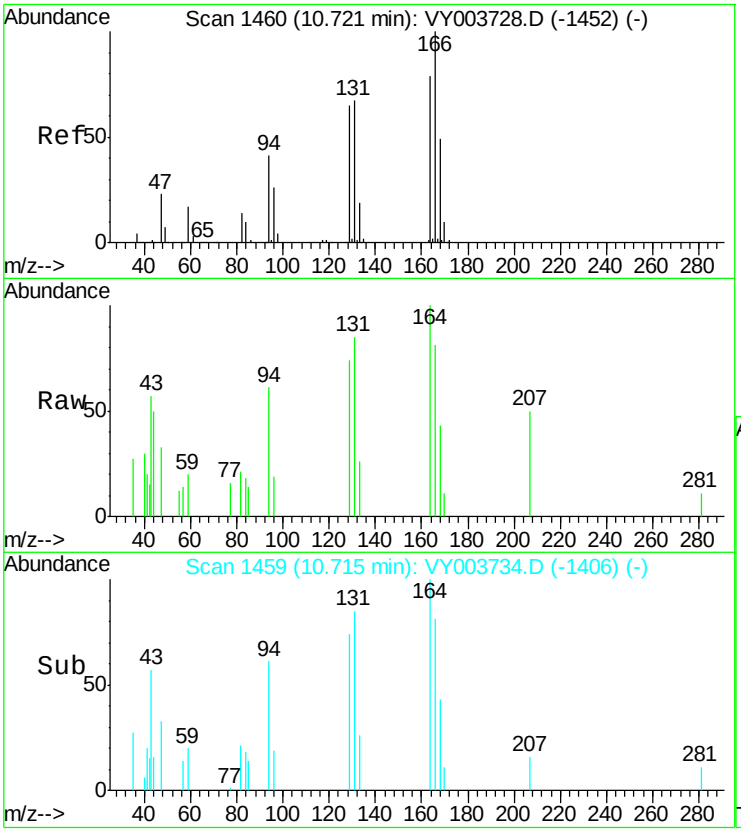


#44
Toluene
Concen: 0.567 ug/L
RT: 10.25 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VY003734.D
Acq: 11 Dec 2020 17:58

Tgt Ion: 91 Resp: 6500

Ion	Ratio	Lower	Upper
91	100		
92	62.0	39.8	73.8



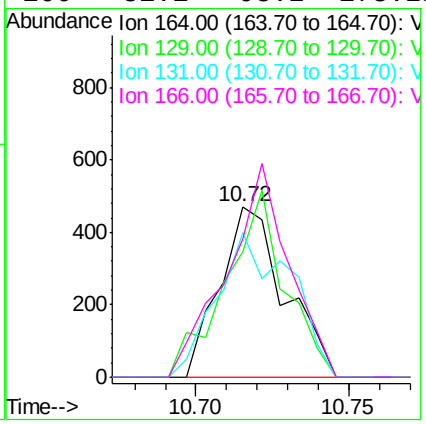


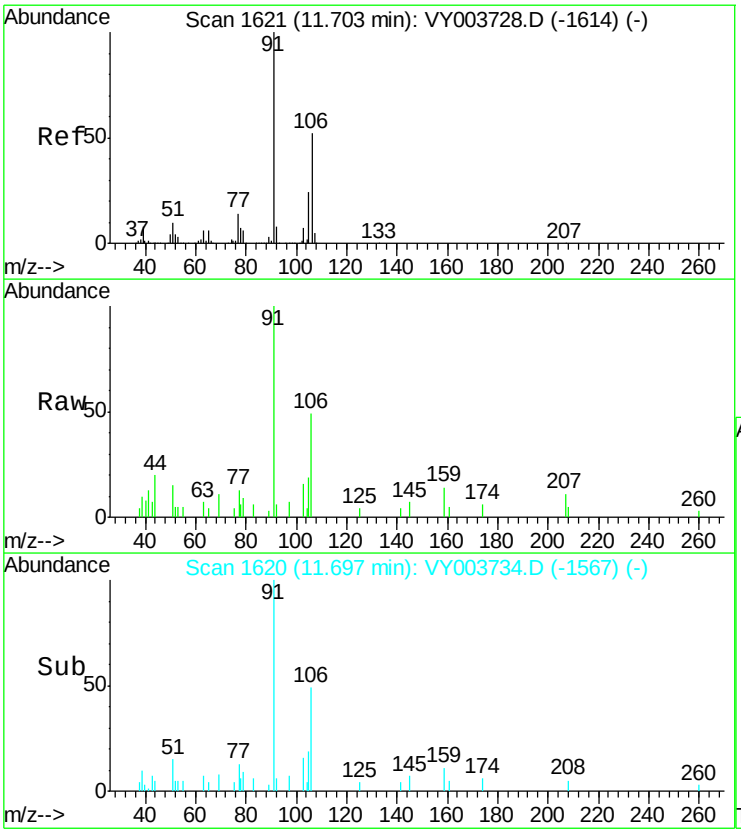
#47
Tetrachloroethene
Concen: 0.298 ug/L
RT: 10.72 min Scan# 1459
Delta R.T. -0.01 min
Lab File: VY003734.D
Acq: 11 Dec 2020 17:58

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7

Tgt Ion:164 Resp: 692

Ion	Ratio	Lower	Upper
164	100		
129	73.9	59.6	110.6
131	84.5	57.9	107.5
166	81.1	93.2	173.2#

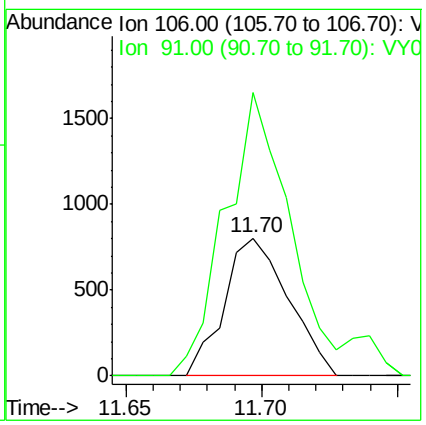


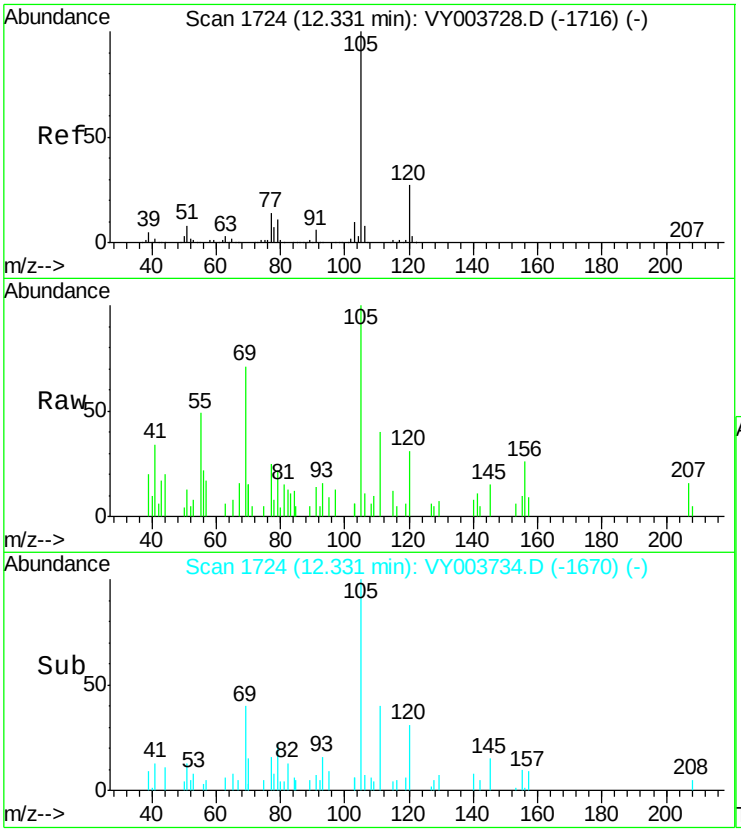


#54
m,p-Xylene
Concen: 0.272 ug/L
RT: 11.70 min Scan# 1620
Delta R.T. -0.01 min
Lab File: VY003734.D
Acq: 11 Dec 2020 17:58

Tgt Ion:106 Resp: 1315

Ion	Ratio	Lower	Upper
106	100		
91	205.5	131.3	243.9





#57
Isopropylbenzene
Concen: 0.163 ug/L
RT: 12.33 min Scan# 1724
Delta R.T. 0.00 min
Lab File: VY003734.D
Acq: 11 Dec 2020 17:58

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7

Tgt Ion:105 Resp: 1969

Ion	Ratio	Lower	Upper
105	100		
120	33.0	22.3	33.5
77	34.2	11.9	17.9#