Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120820\
Data File : VY003687.D
Acq On : 08 Dec 2020 19:46
Operator : SY/MD
Sample : L4979-05
Misc : 3.60G/10ML/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GB1F7

Quant Time: Dec 09 03:02:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 09 01:58:23 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	191460	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	177443	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	77245	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.25	65	65425	24.16	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 96.64%			
7) Chloroethane-d5	2.77	69	50995	24.97	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 99.88%			
10) 1,1-Dichloroethene-d2	3.86	63	97367	19.11	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 76.44%			
20) 2-Butanone-d5	6.90	46	35231	36.50	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 73.00%			
24) Chloroform-d	7.49	84	119665	24.29	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 97.16%			
26) 1,2-Dichloroethane-d4	8.15	65	66732	24.07	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.28%			
29) Benzene-d6	8.12	84	262755	25.58	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 102.32%			
33) 1,2-Dichloropropane-d6	9.12	67	78378	25.78	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 103.12%			
37) Toluene-d8	10.18	98	236207	25.65	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 102.60%			
38) trans-1,3-Dichloropropene-	10.44	79	36980	25.45	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 101.80%			
39) 2-Hexanone-d5	10.79	63	29001	38.08	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 76.16%			
48) 1,1,2,2-Tetrachloroethane-	12.56	84	68718	25.37	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 101.48%			
61) 1,2-Dichlorobenzene-d4	13.72	152	72934	25.99	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 103.96%			
Target Compounds						Qvalue
13) Acetone	3.95	43	4476	6.326	ug/L	89
16) Methylene chloride	4.74	84	9088	2.703	ug/L	95
21) 2-Butanone	7.00	43	970	0.776	ug/L	80
30) Cyclohexane	7.78	56	1209	0.316	ug/L #	79
34) Benzene	8.17	78	3084	0.304	ug/L	100
36) Methylcyclohexane	9.18	83	1394	0.326	ug/L	98
44) Toluene	10.25	91	13367	1.248	ug/L	98
53) Ethylbenzene	11.59	91	10772	0.922	ug/L	95
54) m,p-Xylene	11.70	106	1401	0.311	ug/L	98

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

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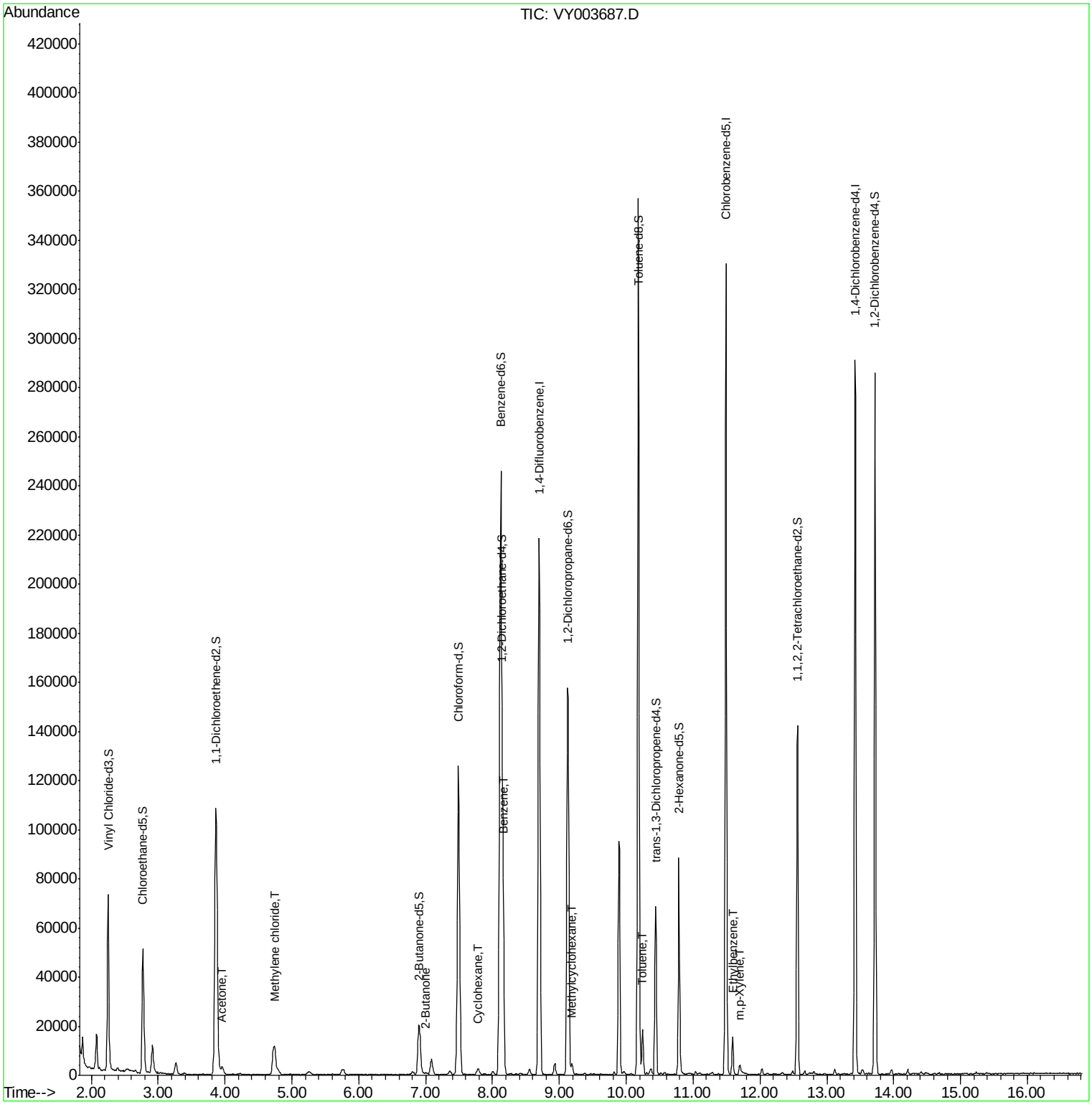
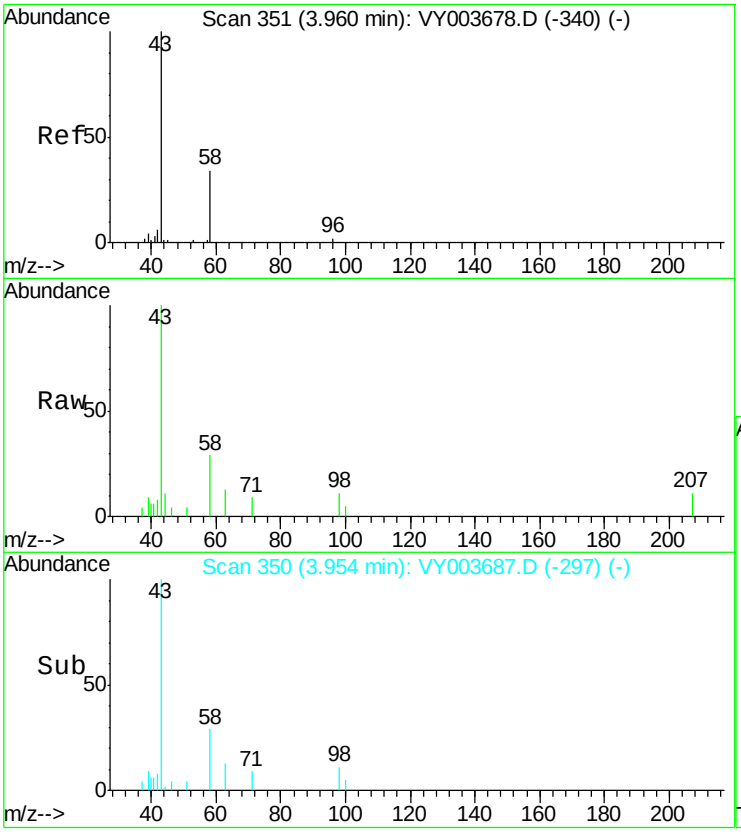


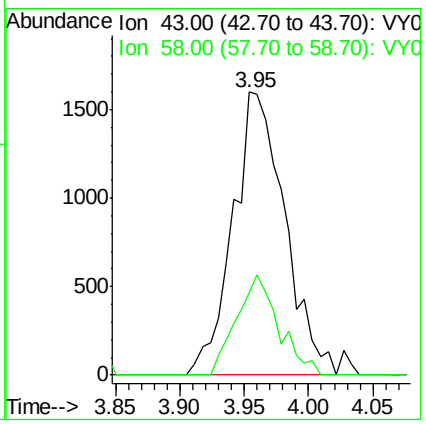


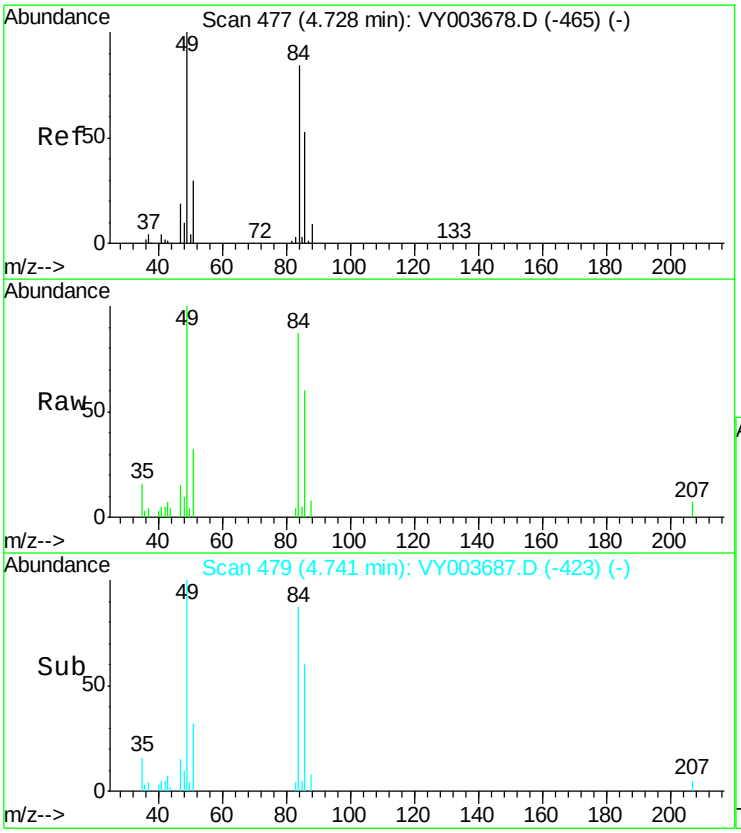
#13
Acetone
Concen: 6.326 ug/L
RT: 3.95 min Scan# 350
Delta R.T. -0.01 min
Lab File: VY003687.D
Acq: 08 Dec 2020 19:46

Instrument : MSVOA_Y
ClientSampleId : GB1F7

Tgt Ion: 43 Resp: 4476

Ion	Ratio	Lower	Upper
43	100		
58	28.2	0.0	68.8

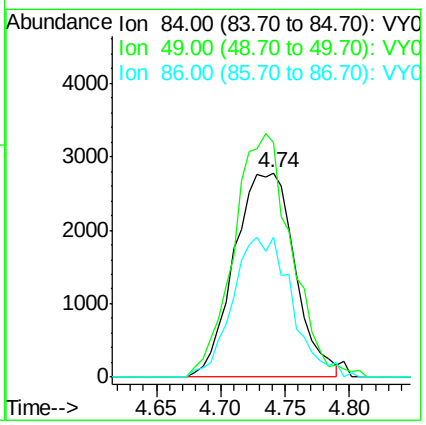


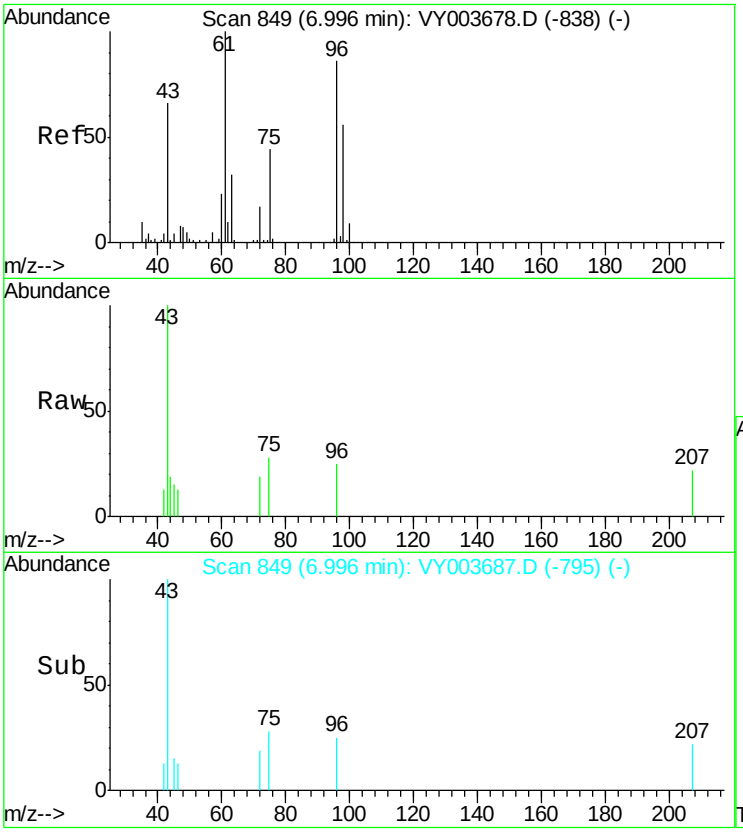


#16
Methylene chloride
Concen: 2.703 ug/L
RT: 4.74 min Scan# 479
Delta R.T. 0.01 min
Lab File: VY003687.D
Acq: 08 Dec 2020 19:46

Tgt Ion: 84 Resp: 9088

Ion	Ratio	Lower	Upper
84	100		
49	114.5	83.7	155.4
86	68.7	45.0	83.6



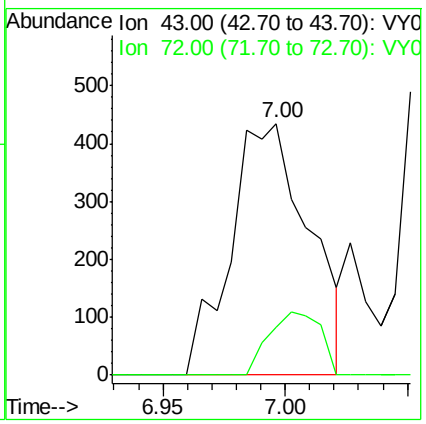


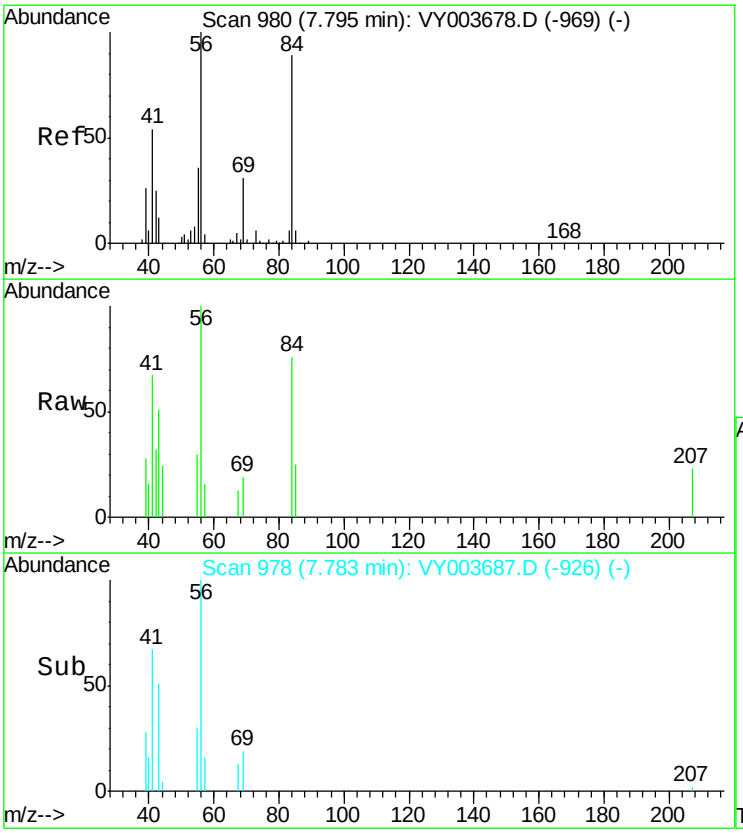
#21
2-Butanone
Concen: 0.776 ug/L
RT: 7.00 min Scan# 849
Delta R.T. -0.00 min
Lab File: VY003687.D
Acq: 08 Dec 2020 19:46

Instrument :
MSVOA_Y
ClientSampleId :
GB1F7

Tgt Ion: 43 Resp: 970

Ion	Ratio	Lower	Upper
43	100		
72	16.5	13.3	39.9

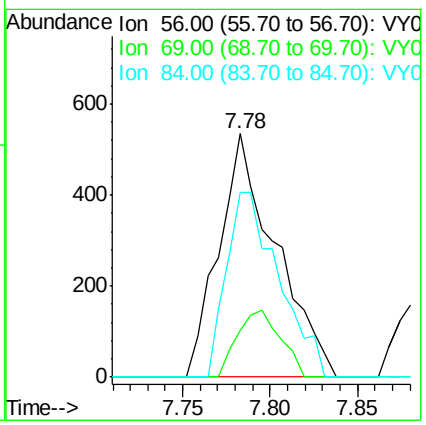


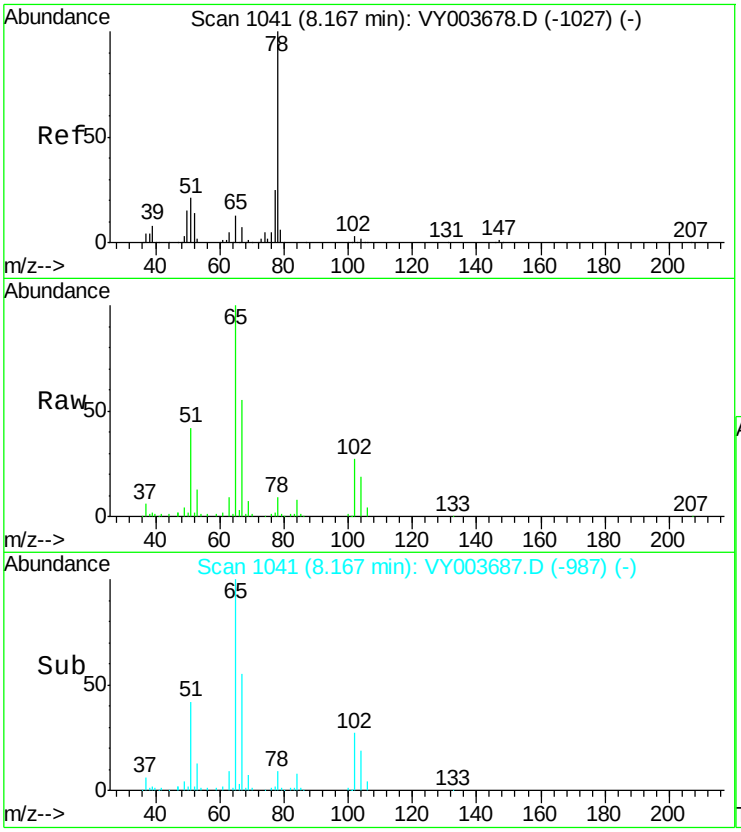


#30
Cyclohexane
Concen: 0.316 ug/L
RT: 7.78 min Scan# 978
Delta R.T. -0.01 min
Lab File: VY003687.D
Acq: 08 Dec 2020 19:46

Tgt Ion: 56 Resp: 1209

Ion	Ratio	Lower	Upper
56	100		
69	21.0	23.8	35.8#
84	70.1	73.2	109.8#

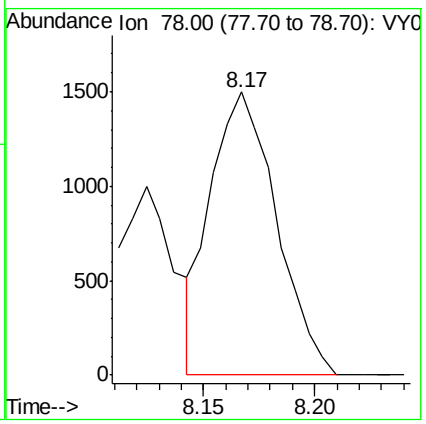


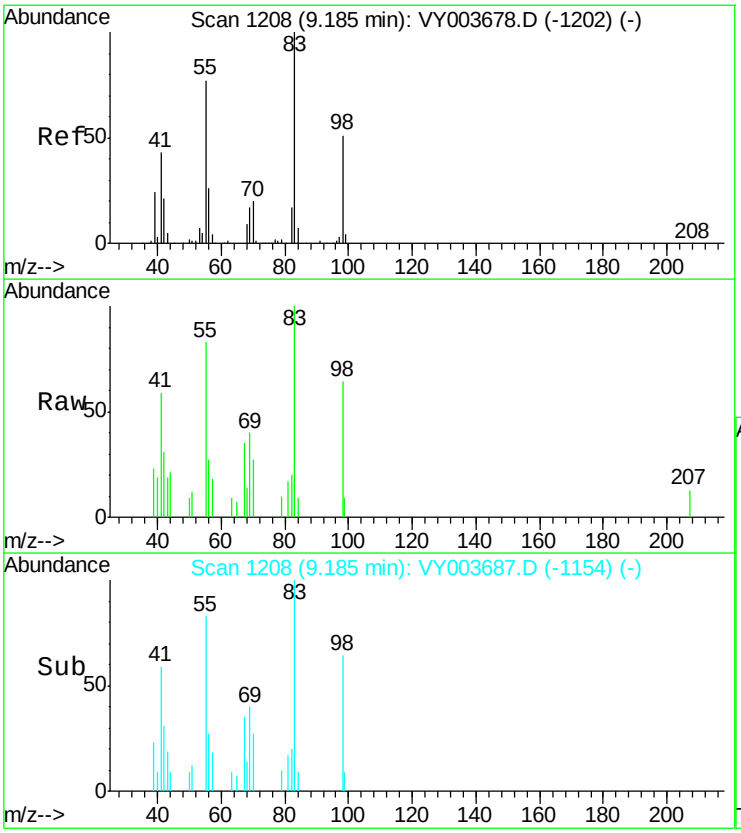


#34
Benzene
Concen: 0.304 ug/L
RT: 8.17 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VY003687.D
Acq: 08 Dec 2020 19:46

Instrument :
MSVOA_Y
ClientSampleId :
GB1F7

Tgt Ion: 78 Resp: 3084

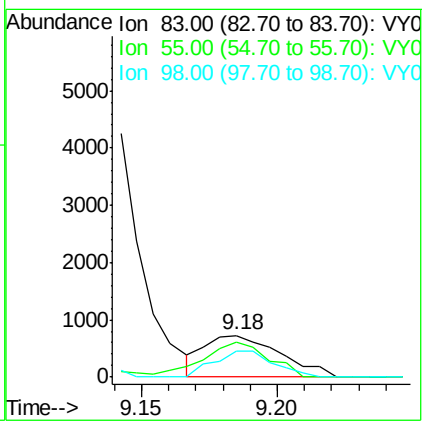


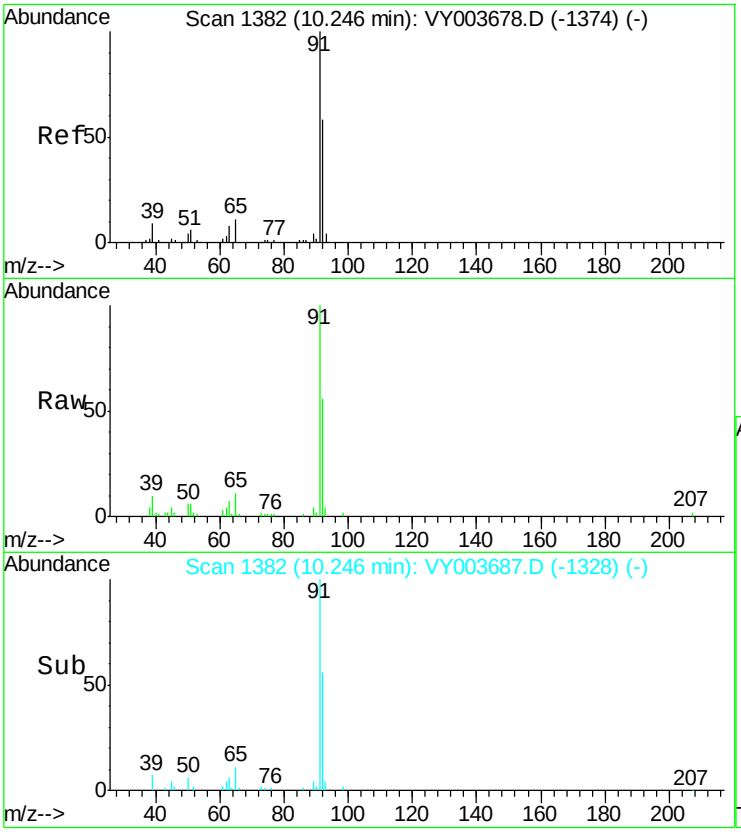


#36
Methylcyclohexane
Concen: 0.326 ug/L
RT: 9.18 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VY003687.D
Acq: 08 Dec 2020 19:46

Tgt Ion: 83 Resp: 1394

Ion	Ratio	Lower	Upper
83	100		
55	73.2	56.4	84.6
98	50.7	40.3	60.5



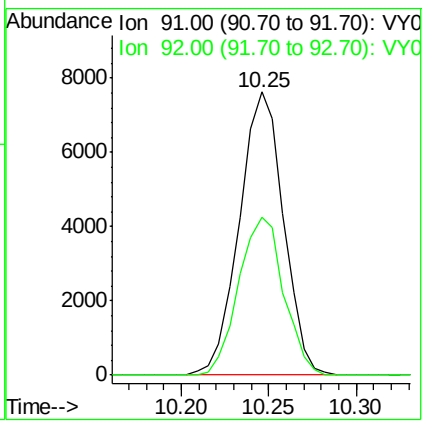


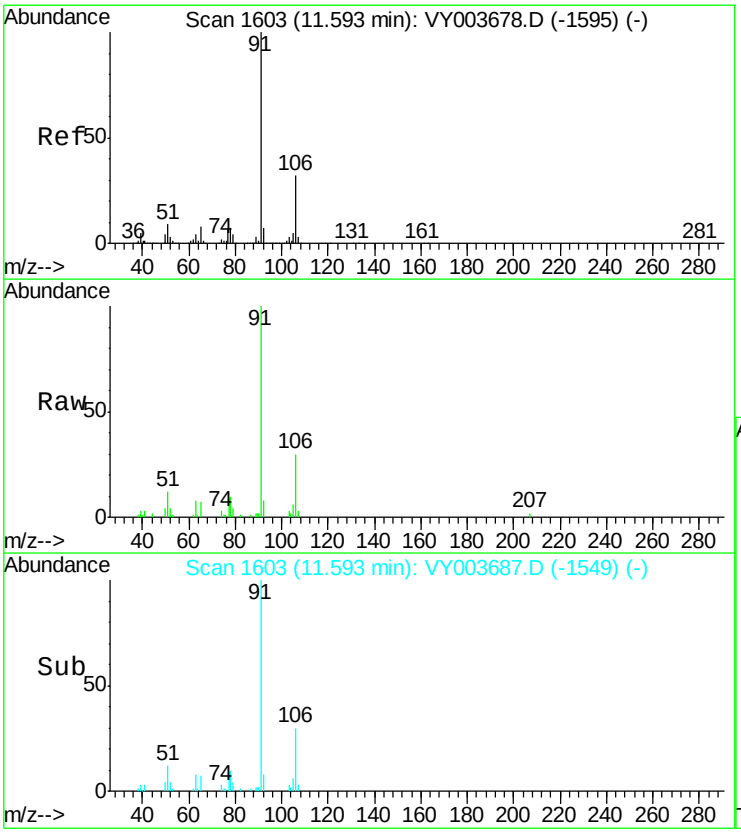
#44
Toluene
Concen: 1.248 ug/L
RT: 10.25 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VY003687.D
Acq: 08 Dec 2020 19:46

Instrument : MSVOA_Y
ClientSampleId : GB1F7

Tgt Ion: 91 Resp: 13367

Ion	Ratio	Lower	Upper
91	100		
92	55.7	39.8	73.8

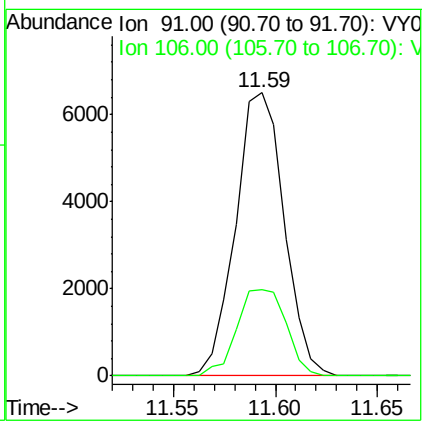


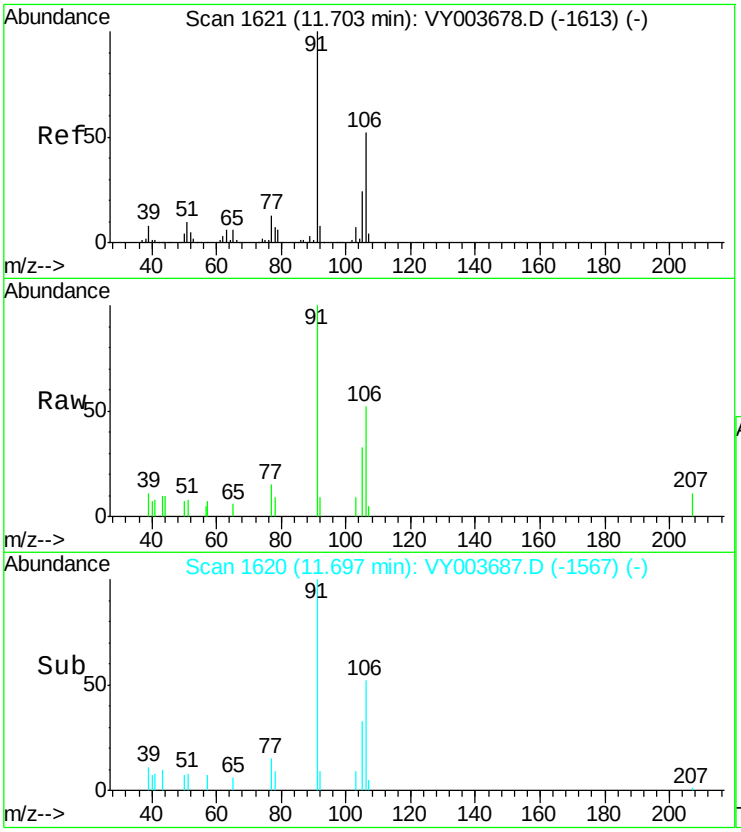


#53
Ethylbenzene
Concen: 0.922 ug/L
RT: 11.59 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VY003687.D
Acq: 08 Dec 2020 19:46

Tgt Ion: 91 Resp: 10772

Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.3	43.3





#54
m,p-Xylene
Concen: 0.311 ug/L
RT: 11.70 min Scan# 1620
Delta R.T. -0.01 min
Lab File: VY003687.D
Acq: 08 Dec 2020 19:46

Instrument :
MSVOA_Y
ClientSampleId :
GB1F7

Tgt Ion:106 Resp: 1401

Ion	Ratio	Lower	Upper
106	100		
91	190.6	131.3	243.9