Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016668.D
Acq On : 28 Sep 2020 14:47
Operator : SY/VA
Sample : L4171-05
Misc : 6.23G/10ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y7

Quant Time: Sep 29 21:51:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 29 05:26:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	161138	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	133393	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	51868	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.36	65	35533	22.78	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 91.12%			
7) Chloroethane-d5	2.89	69	35830	28.13	ug/L	-0.01
Spiked Amount 25.000	Range 30 - 150		Recovery = 112.52%			
10) 1,1-Dichloroethene-d2	4.03	63	58047	16.65	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 66.60%			
20) 2-Butanone-d5	7.08	46	14956	35.17	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 70.34%			
24) Chloroform-d	7.65	84	77254	22.92	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 91.68%			
26) 1,2-Dichloroethane-d4	8.31	65	36848	21.29	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 85.16%			
29) Benzene-d6	8.28	84	153827	25.71	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 102.84%			
33) 1,2-Dichloropropane-d6	9.27	67	42435	26.18	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 104.72%			
37) Toluene-d8	10.33	98	149225	25.35	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 101.40%			
38) trans-1,3-Dichloropropene-	10.58	79	15495	18.96	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 75.84%			
39) 2-Hexanone-d5	10.93	63	11039	37.44	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 74.88%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	27575	19.99	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 79.96%			
61) 1,2-Dichlorobenzene-d4	13.86	152	40831	24.64	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 98.56%			
Target Compounds						Qvalue
13) Acetone	4.13	43	7336	22.023	ug/L	95
30) Cyclohexane	7.96	56	373426	128.104	ug/L	97
36) Methylcyclohexane	9.34	83	49414	14.083	ug/L	92
44) Toluene	10.39	91	235221	29.258	ug/L	97
47) Tetrachloroethene	10.87	164	2615	1.400	ug/L	96
52) Chlorobenzene	11.66	112	8495	1.573	ug/L	97
53) Ethylbenzene	11.73	91	580042	63.548	ug/L	97
54) m,p-Xylene	11.83	106	1100111	307.801	ug/L	100
55) o-xylene	12.17	106	283985	82.937	ug/L	93
57) Isopropylbenzene	12.46	105	177799	19.003	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	3345	0.991	ug/L #	48
64) 1,4-Dichlorobenzene	13.58	146	21063	6.375	ug/L #	75
65) 1,2-Dichlorobenzene	13.87	146	26693	8.855	ug/L #	82

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

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Sample : L4171-05
Misc : 6.23G/10ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BG3Y7

Quant Time: Sep 29 21:51:10 2020
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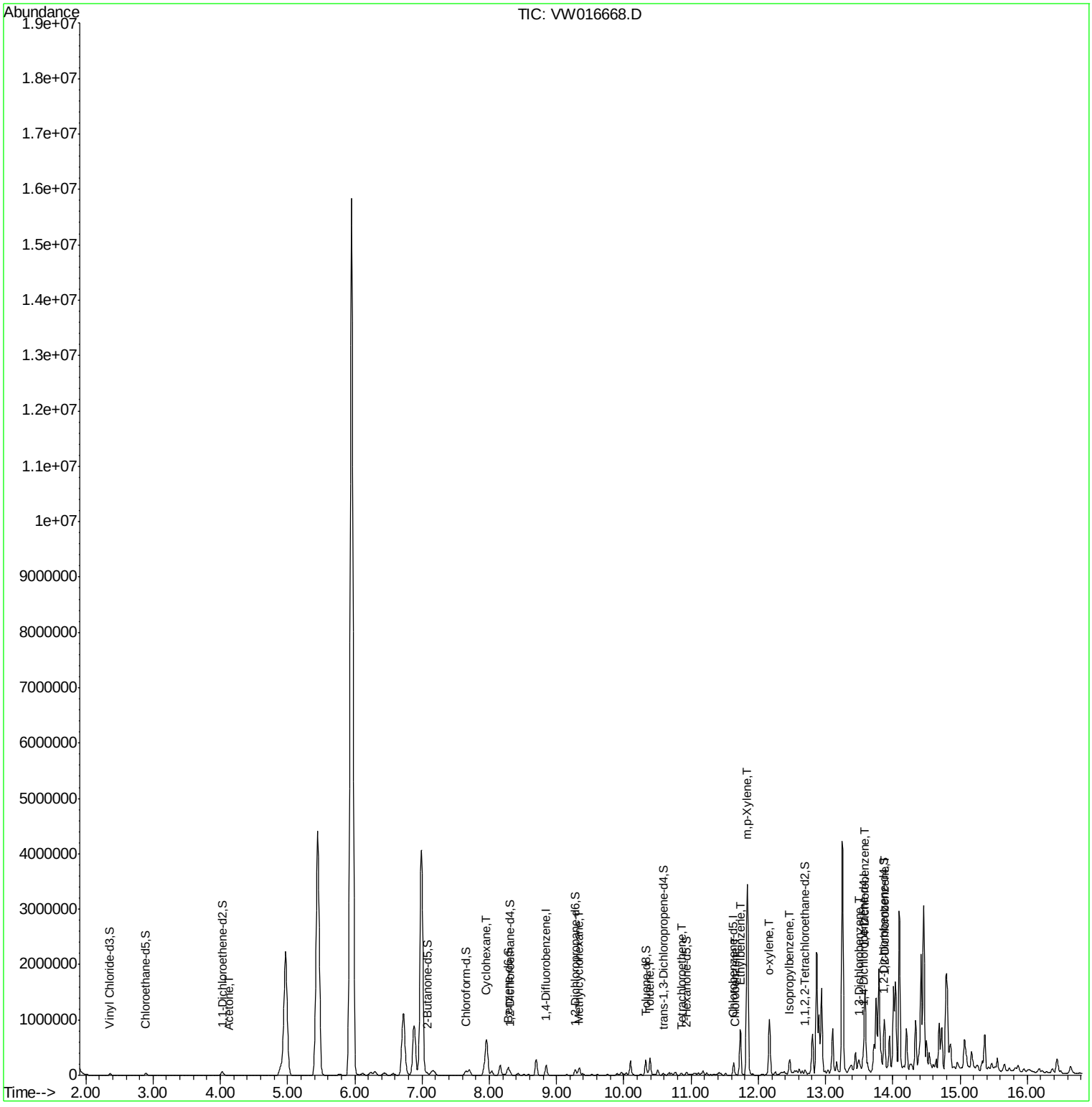
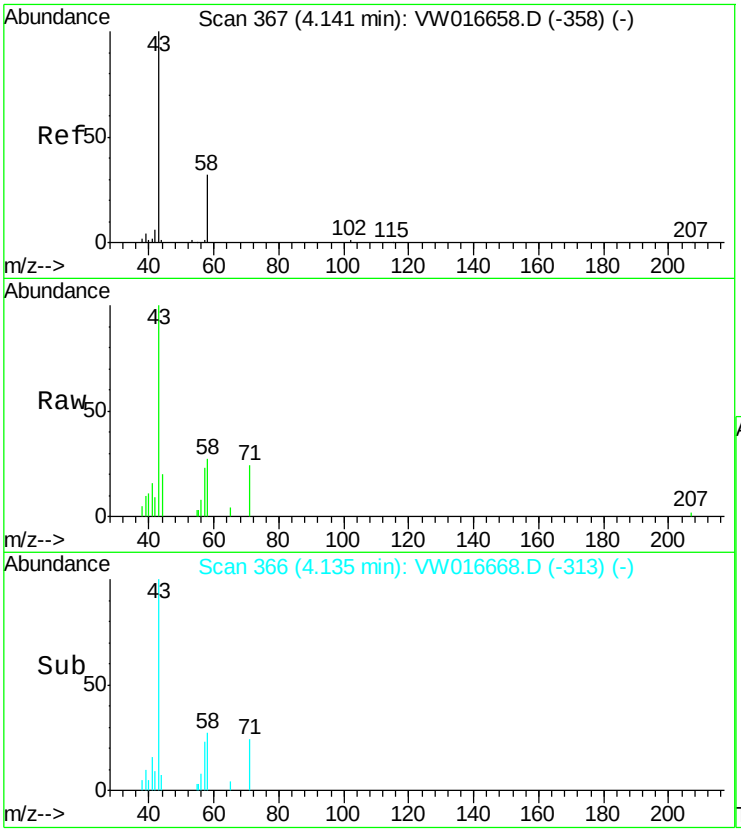
Quant Title : VOC Analysis
QLast Update : Tue Sep 29 05:26:53 2020
Response via : Initial Calibration



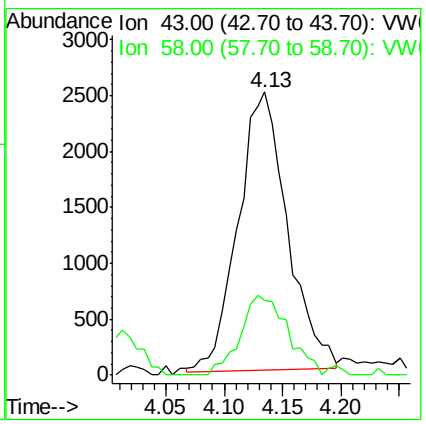


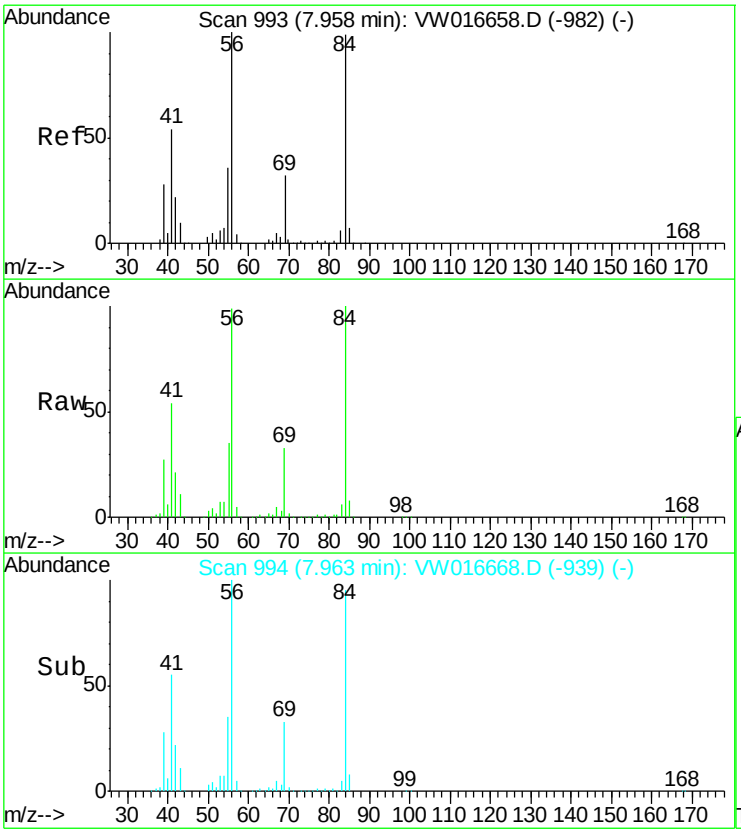
#13
Acetone
Concen: 22.023 ug/L
RT: 4.13 min Scan# 366
Delta R.T. -0.01 min
Lab File: VW016668.D
Acq: 28 Sep 2020 14:47

Instrument :
MSVOA_W
ClientSampleId :
BG3Y7

Tgt Ion: 43 Resp: 7336

Ion	Ratio	Lower	Upper
43	100		
58	27.6	0.0	60.2

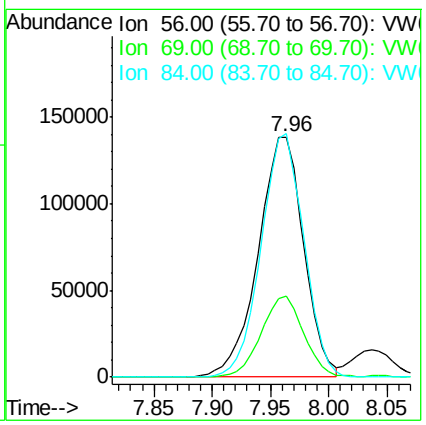


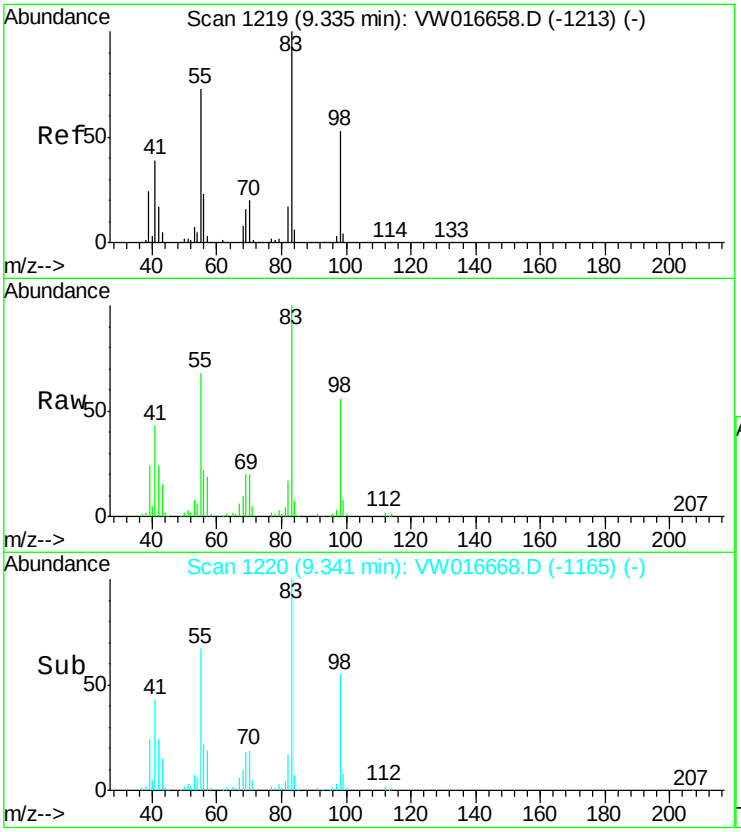


#30
Cyclohexane
Concen: 128.104 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.01 min
Lab File: VW016668.D
Acq: 28 Sep 2020 14:47

Tgt Ion: 56 Resp: 373426

Ion	Ratio	Lower	Upper
56	100		
69	31.2	26.5	39.7
84	95.7	79.0	118.6



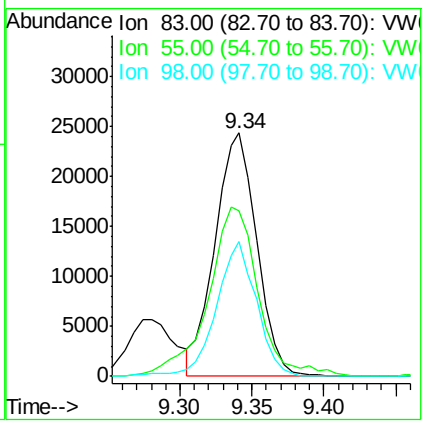


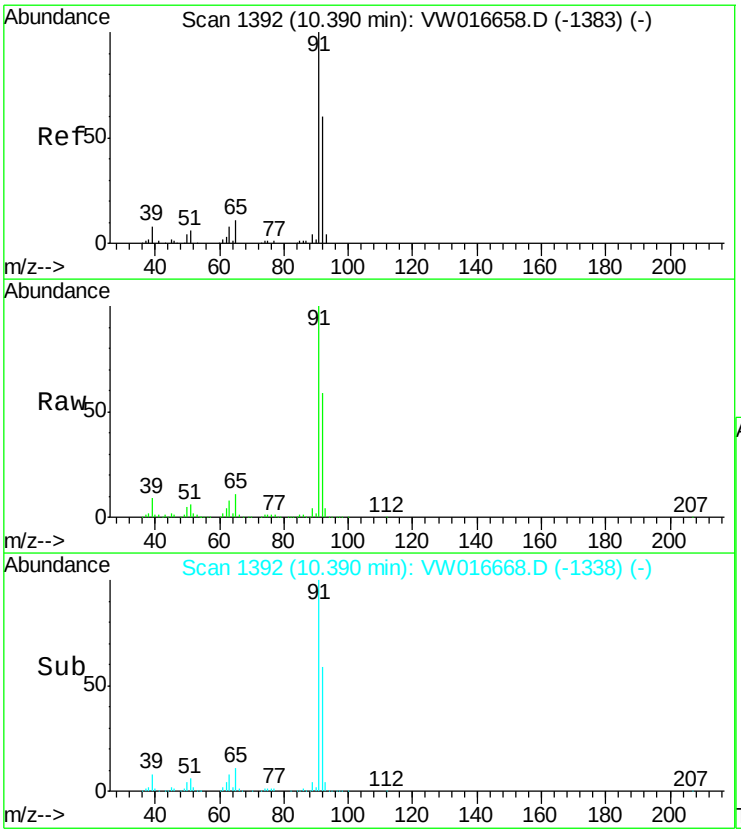
#36
Methylcyclohexane
Concen: 14.083 ug/L
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW016668.D
Acq: 28 Sep 2020 14:47

Instrument :
MSVOA_W
ClientSampleId :
BG3Y7

Tgt Ion: 83 Resp: 49414

Ion	Ratio	Lower	Upper
83	100		
55	81.8	55.9	83.9
98	52.3	42.1	63.1

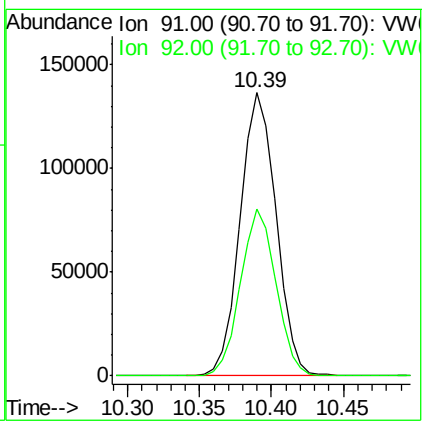


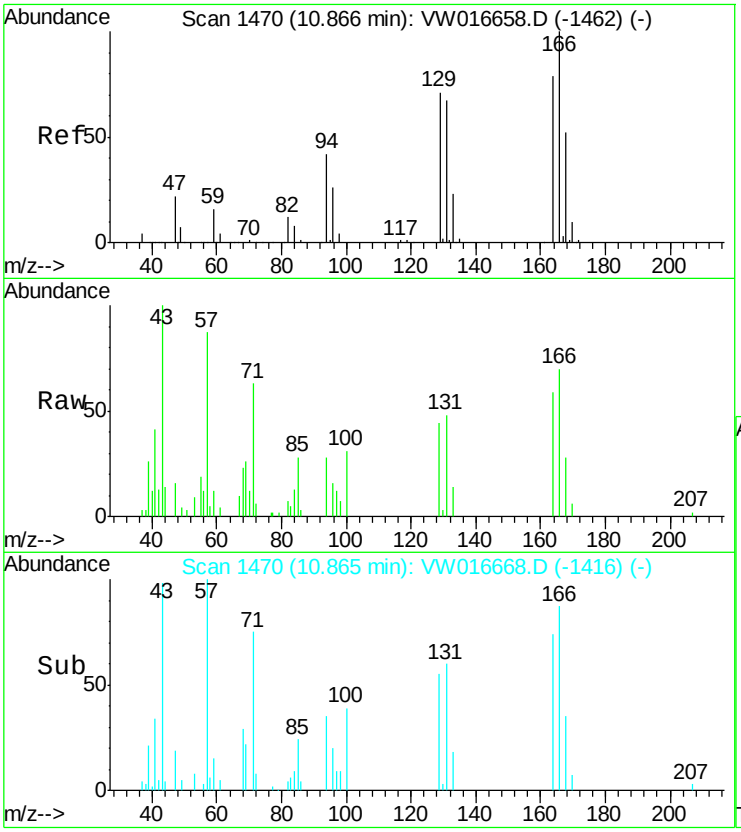


#44
Toluene
Concen: 29.258 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW016668.D
Acq: 28 Sep 2020 14:47

Tgt Ion: 91 Resp: 235221

Ion	Ratio	Lower	Upper
91	100		
92	58.9	39.6	73.6



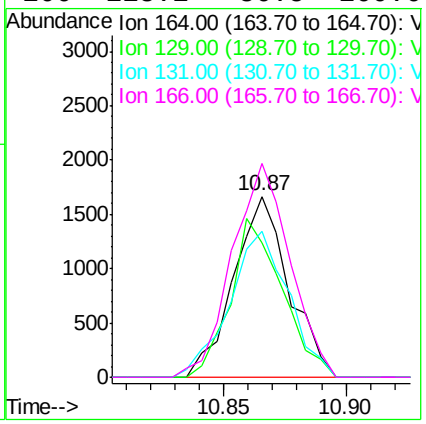


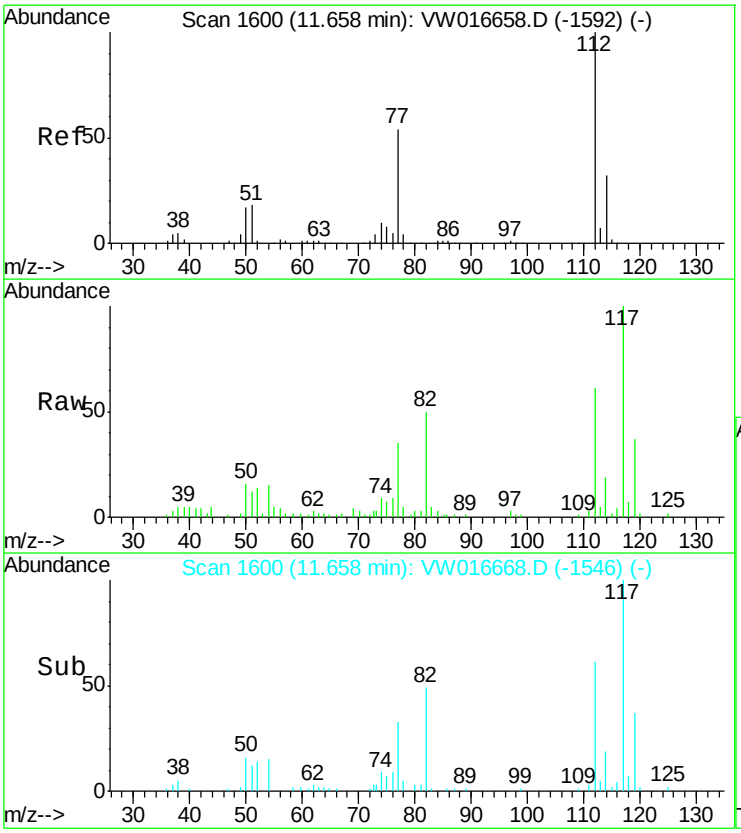
#47
Tetrachloroethene
Concen: 1.400 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW016668.D
Acq: 28 Sep 2020 14:47

Instrument : MSVOA_W
ClientSampleId : BG3Y7

Tgt Ion:164 Resp: 2615

Ion	Ratio	Lower	Upper
164	100		
129	74.5	55.6	103.2
131	80.8	57.2	106.2
166	118.1	86.5	160.6

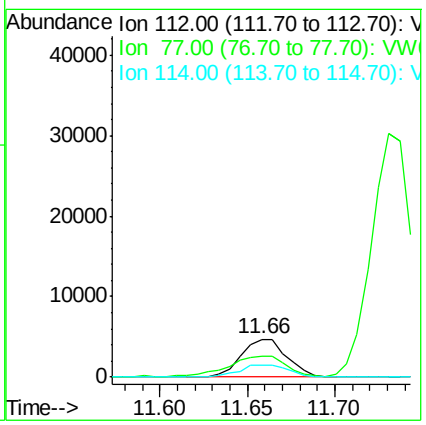


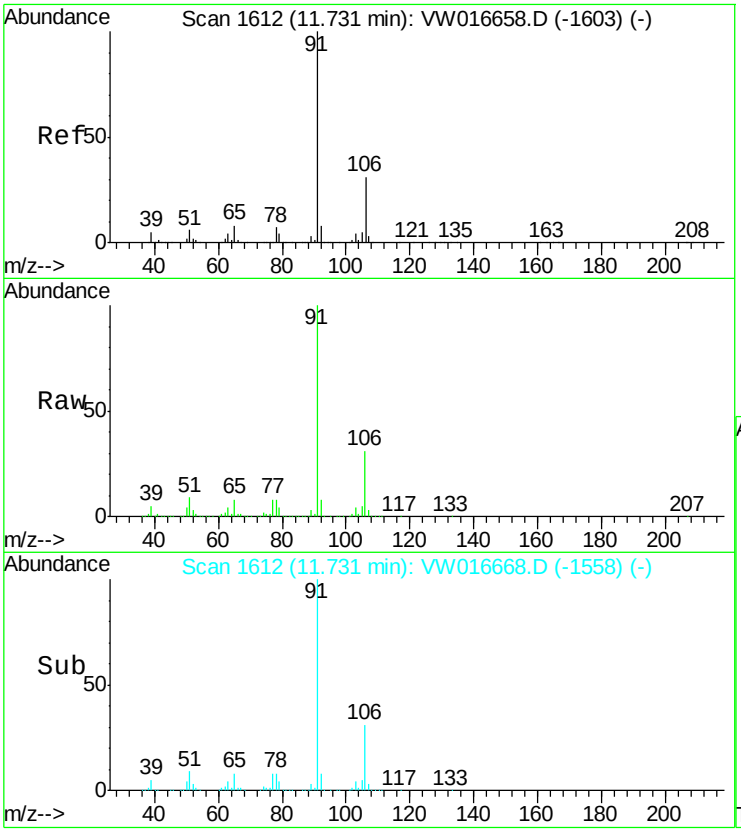


#52
Chlorobenzene
Concen: 1.573 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016668.D
Acq: 28 Sep 2020 14:47

Tgt Ion:112 Resp: 8495

Ion	Ratio	Lower	Upper
112	100		
77	56.7	43.1	64.7
114	31.7	22.3	41.3



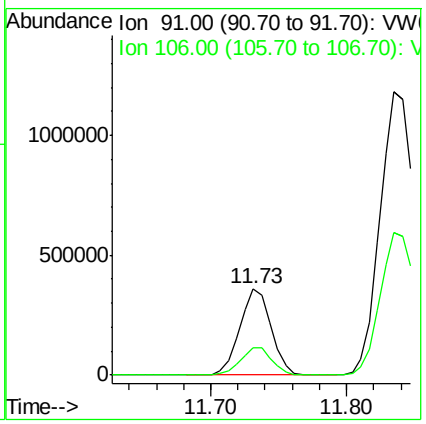


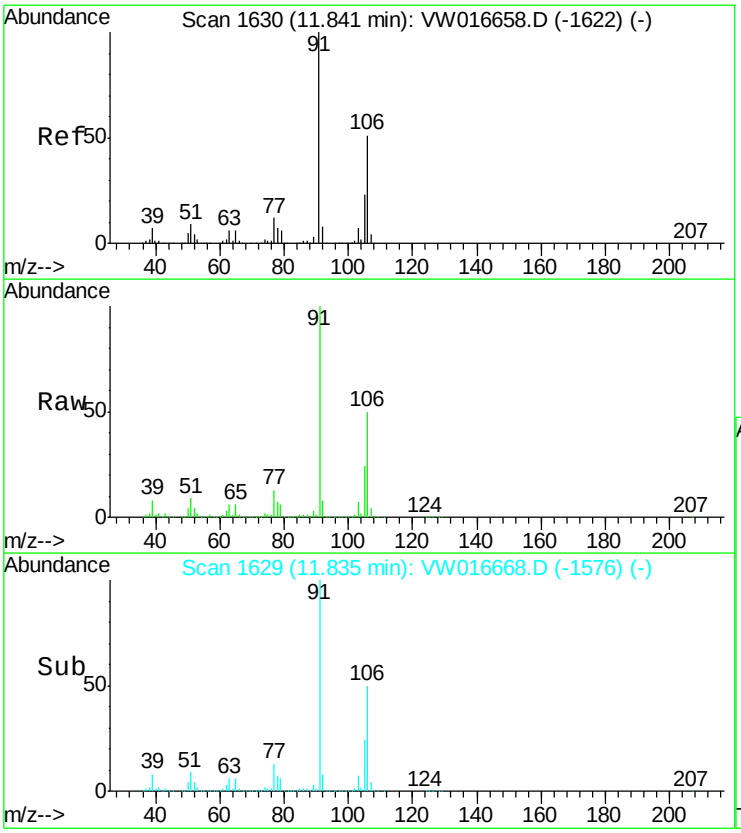
#53
Ethylbenzene
Concen: 63.548 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016668.D
Acq: 28 Sep 2020 14:47

Instrument : MSVOA_W
ClientSampleId : BG3Y7

Tgt Ion: 91 Resp: 580042

Ion	Ratio	Lower	Upper
91	100		
106	31.2	20.7	38.5

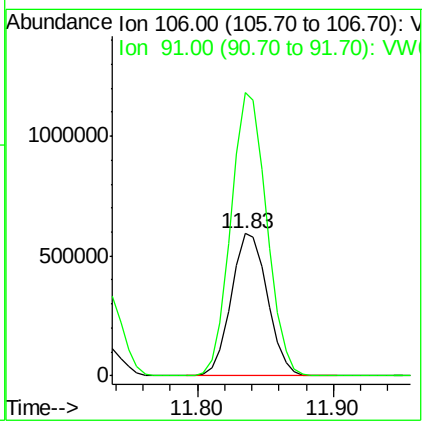


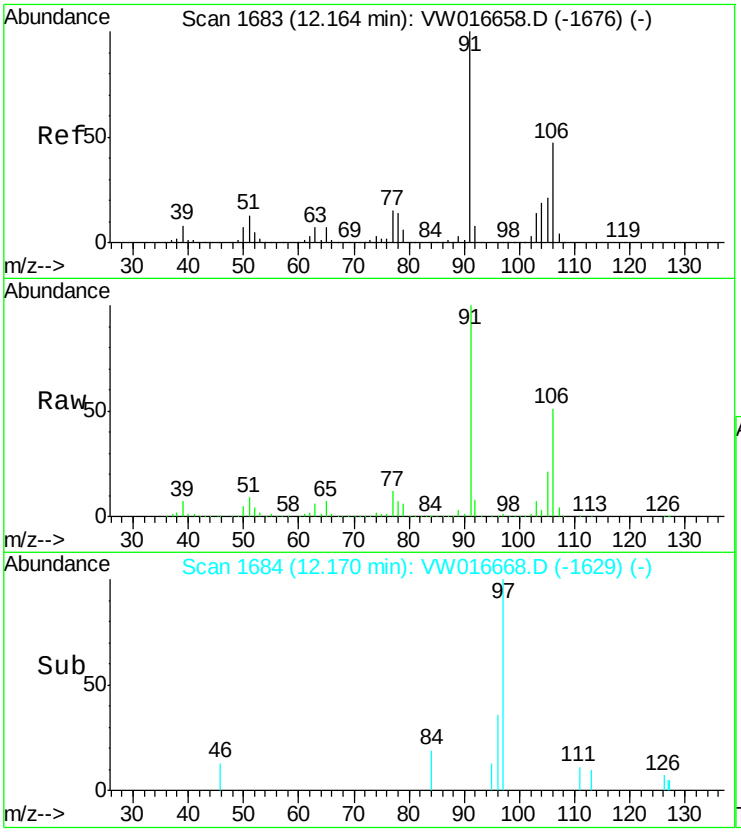


#54
m,p-Xylene
Concen: 307.801 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW016668.D
Acq: 28 Sep 2020 14:47

Tgt Ion:106 Resp: 1100111

Ion	Ratio	Lower	Upper
106	100		
91	198.9	139.7	259.5



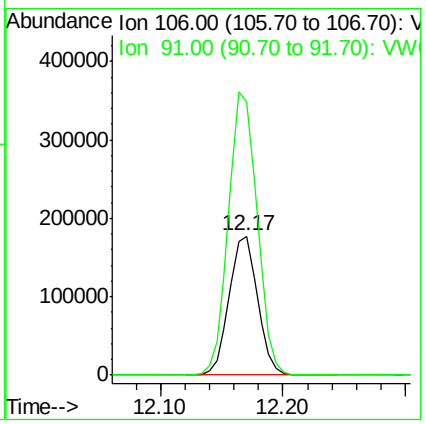


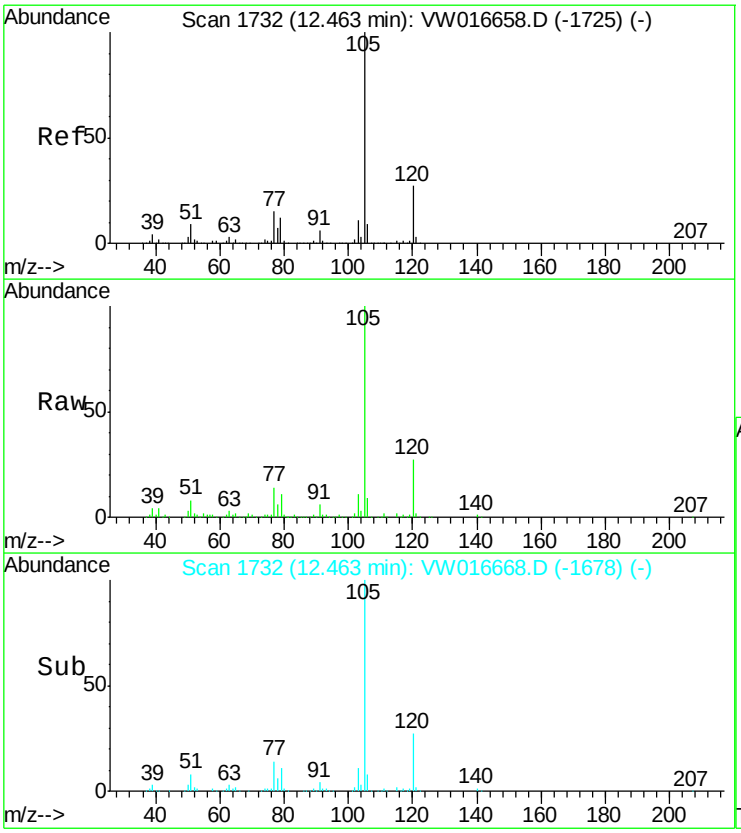
#55
o-xylene
Concen: 82.937 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW016668.D
Acq: 28 Sep 2020 14:47

Instrument :
MSVOA_W
ClientSampleId :
BG3Y7

Tgt Ion:106 Resp: 283985

Ion	Ratio	Lower	Upper
106	100		
91	196.4	144.8	268.8

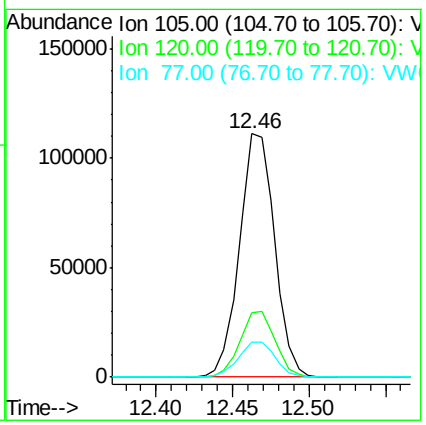


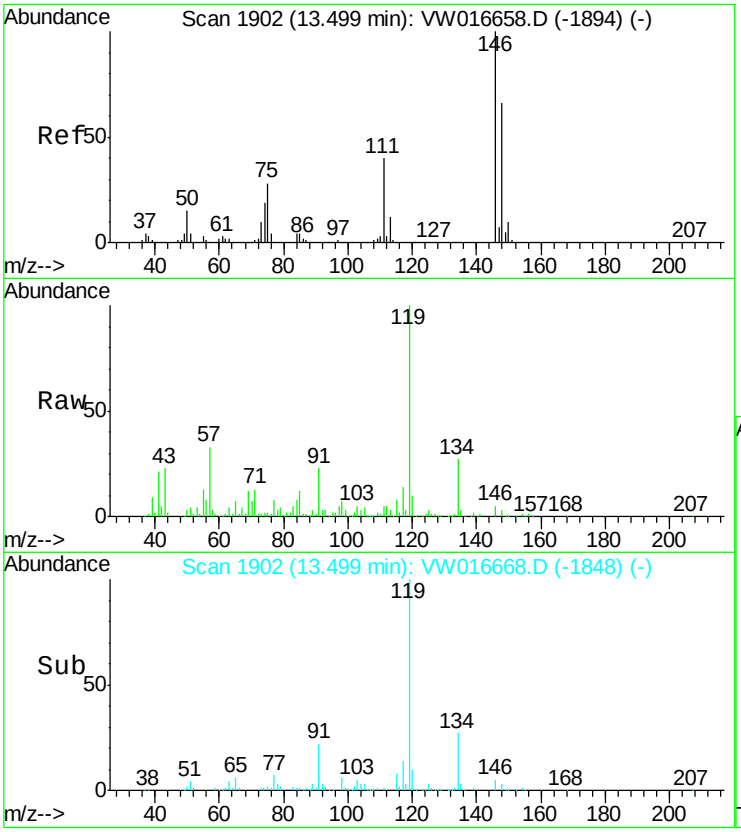


#57
Isopropylbenzene
Concen: 19.003 ug/L
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW016668.D
Acq: 28 Sep 2020 14:47

Tgt Ion:105 Resp: 177799

Ion	Ratio	Lower	Upper
105	100		
120	26.9	21.8	32.8
77	14.8	12.2	18.2



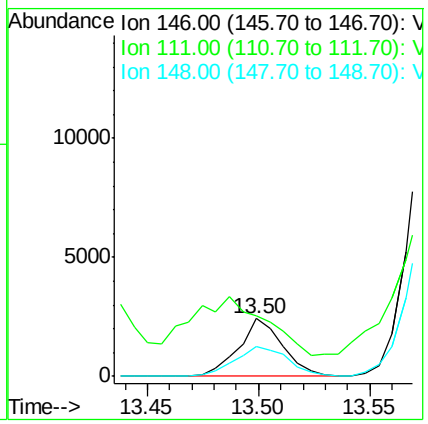


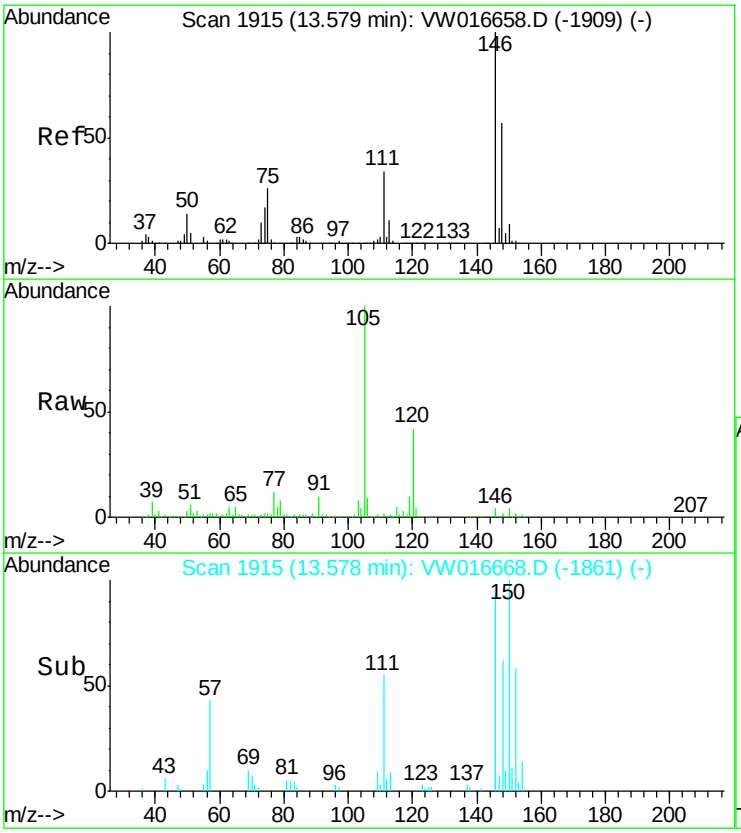
#63
1,3-Dichlorobenzene
Concen: 0.991 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW016668.D
Acq: 28 Sep 2020 14:47

Instrument :
MSVOA_W
ClientSampleId :
BG3Y7

Tgt Ion:146 Resp: 3345

Ion	Ratio	Lower	Upper
146	100		
111	104.9	25.0	46.4#
148	52.1	44.0	81.8

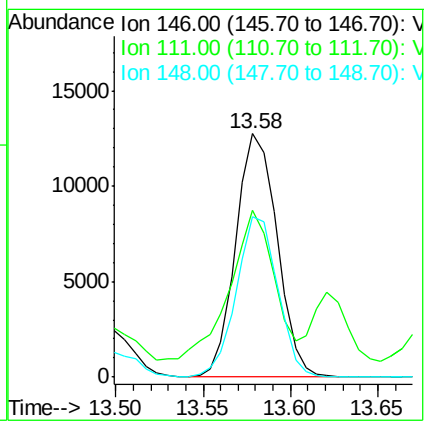


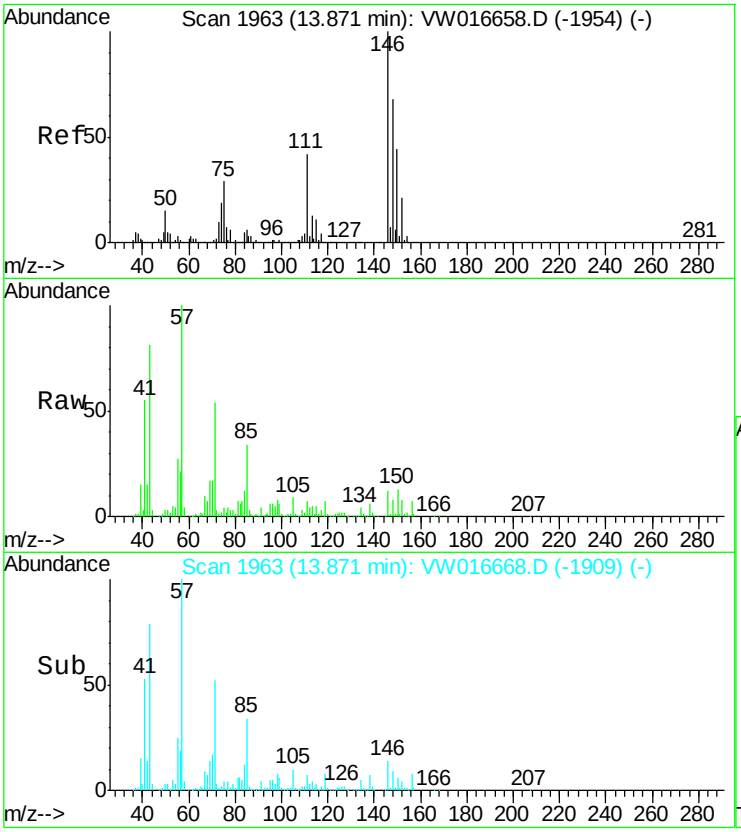


#64
1,4-Dichlorobenzene
Concen: 6.375 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW016668.D
Acq: 28 Sep 2020 14:47

Tgt Ion:146 Resp: 21063

Ion	Ratio	Lower	Upper
146	100		
111	68.5	25.1	46.5#
148	65.8	42.3	78.5





#65
1,2-Dichlorobenzene
Concen: 8.855 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW016668.D
Acq: 28 Sep 2020 14:47

Instrument :
MSVOA_W
ClientSampleId :
BG3Y7

Tgt Ion:146 Resp: 26693

Ion	Ratio	Lower	Upper
146	100		
111	59.6	31.4	47.0#
148	67.5	49.3	73.9