Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092820\
Data File : VW016664.D
Acq On : 28 Sep 2020 13:02
Operator : SY/VA
Sample : L4171-03
Misc : 6.05G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Quant Time: Sep 29 06:04:10 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	80464	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	68035	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	26959	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.36	65	16601	21.31	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 85.24%			
7) Chloroethane-d5	2.90	69	16338	25.69	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 102.76%			
10) 1,1-Dichloroethene-d2	4.03	63	26538	15.24	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 60.96%			
20) 2-Butanone-d5	7.09	46	8295	39.06	ug/L	0.01
Spiked Amount 50.000	Range 20 - 135		Recovery = 78.12%			
24) Chloroform-d	7.66	84	40115	23.83	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 95.32%			
26) 1,2-Dichloroethane-d4	8.31	65	20597	23.84	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 95.36%			
29) Benzene-d6	8.28	84	77373	25.36	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 101.44%			
33) 1,2-Dichloropropane-d6	9.28	67	22236	26.89	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 107.56%			
37) Toluene-d8	10.33	98	70794	23.58	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 94.32%			
38) trans-1,3-Dichloropropene-	10.58	79	8275	19.85	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 79.40%			
39) 2-Hexanone-d5	10.93	63	5493	36.52	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 73.04%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	14826	21.07	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 84.28%			
61) 1,2-Dichlorobenzene-d4	13.85	152	22206	25.78	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 103.12%			
Target Compounds						Qvalue
13) Acetone	4.14	43	2641	15.877	ug/L	87
16) Methylene chloride	4.93	84	3825	3.082	ug/L	91
44) Toluene	10.39	91	1704	0.416	ug/L	83
52) Chlorobenzene	11.66	112	5921	2.150	ug/L	93
53) Ethylbenzene	11.73	91	1556	0.334	ug/L	89
54) m,p-Xylene	11.85	106	483	0.265	ug/L	78
57) Isopropylbenzene	12.47	105	1797	0.377	ug/L #	72
63) 1,3-Dichlorobenzene	13.50	146	66448	37.894	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	19980	11.635	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	4161	2.656	ug/L	87
68) 1,2,4-trichlorobenzene	15.13	180	168466	162.390	ug/L	96

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

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Quant Title : VOC Analysis
QLast Update : Tue Sep 29 05:26:53 2020
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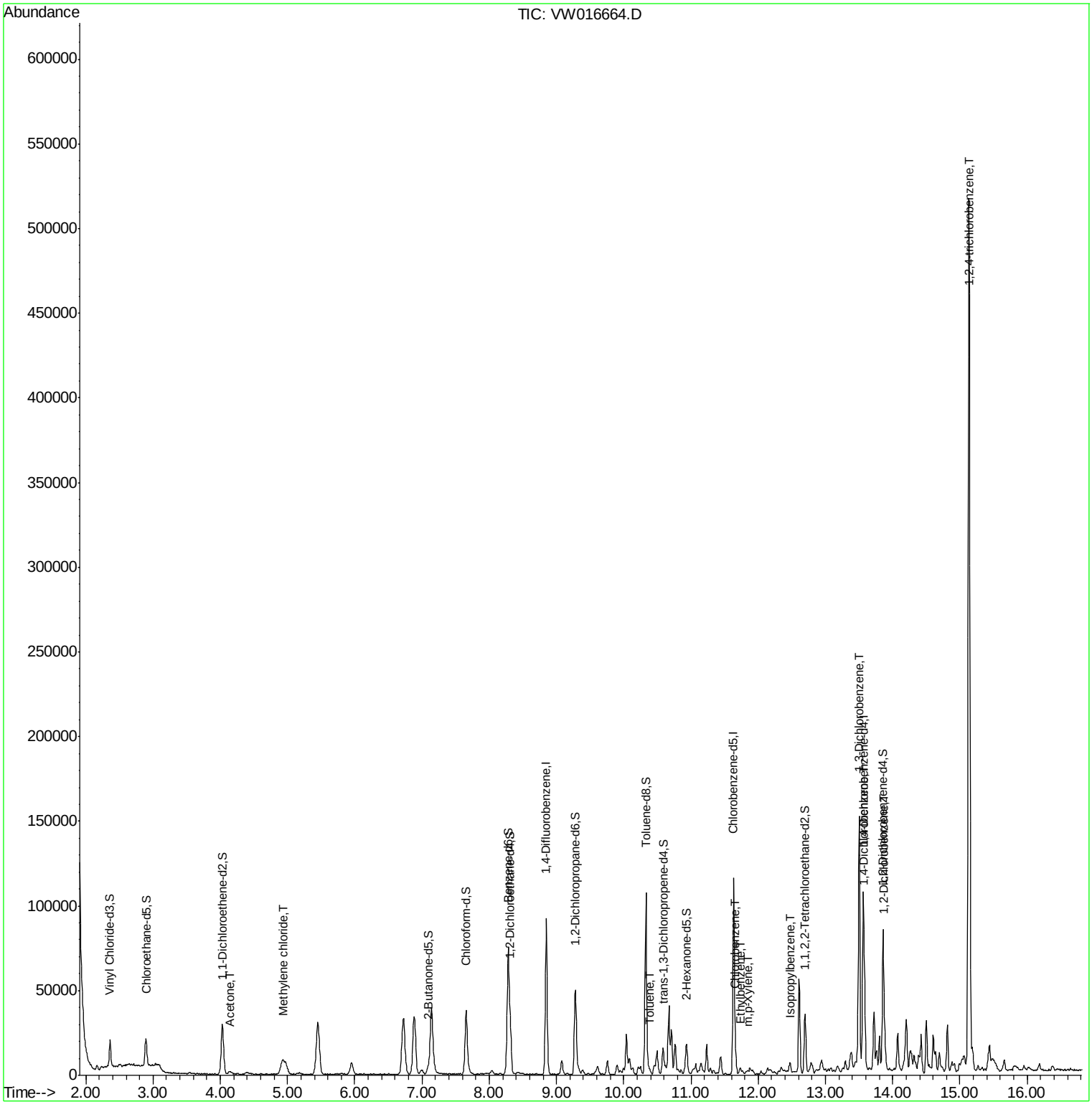
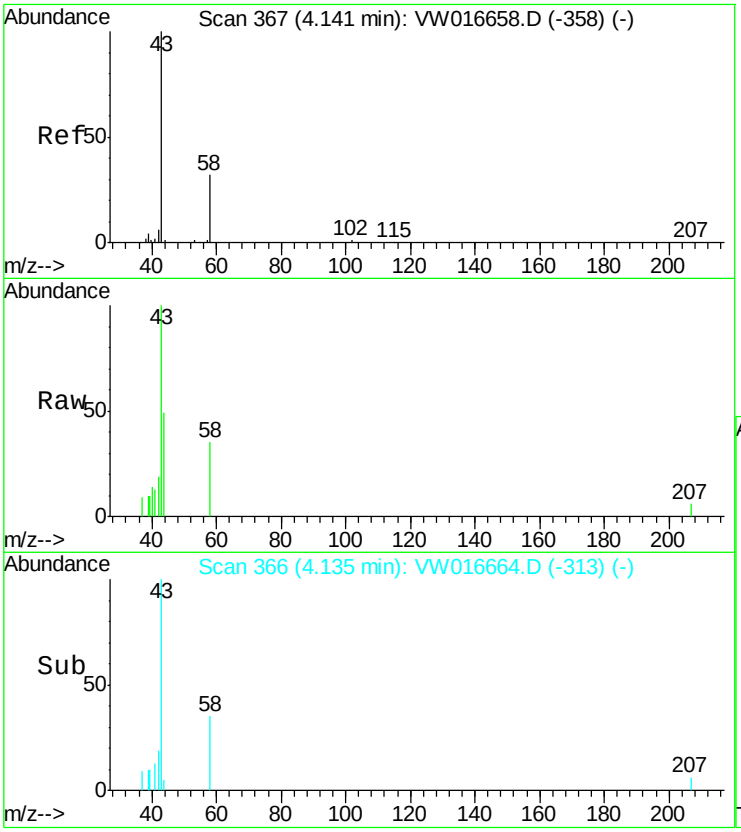


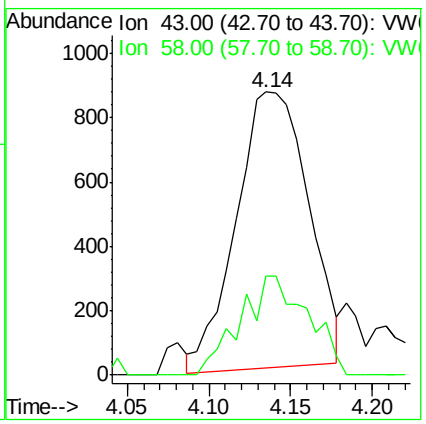


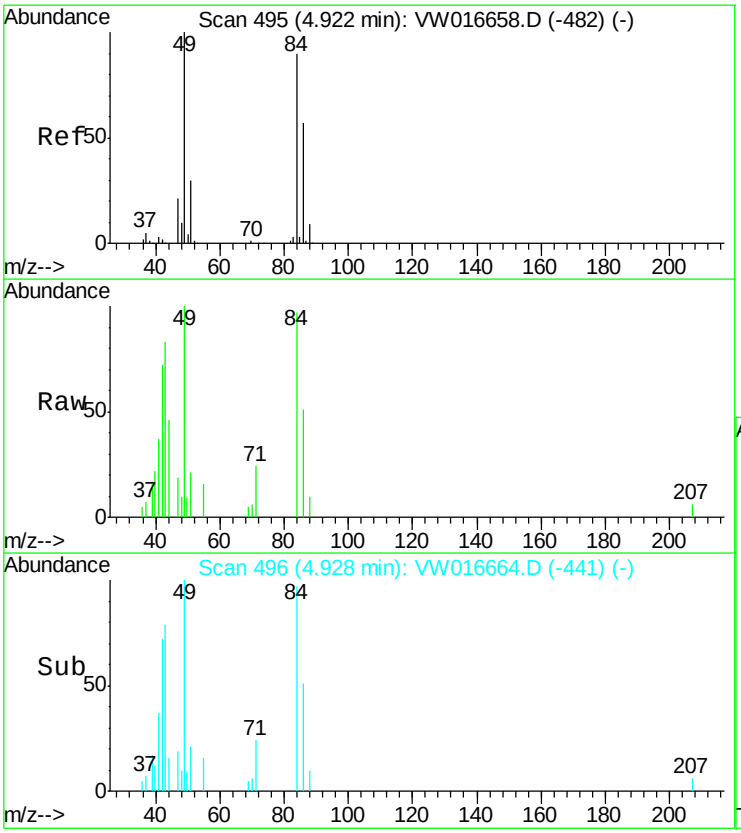
#13
Acetone
Concen: 15.877 ug/L
RT: 4.14 min Scan# 366
Delta R.T. -0.01 min
Lab File: VW016664.D
Acq: 28 Sep 2020 13:02

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Tgt Ion: 43 Resp: 2641

Ion	Ratio	Lower	Upper
43	100		
58	22.8	0.0	60.2

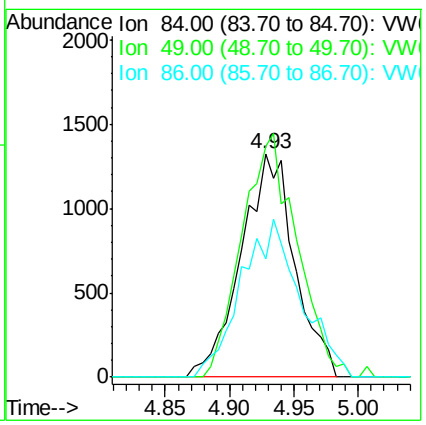


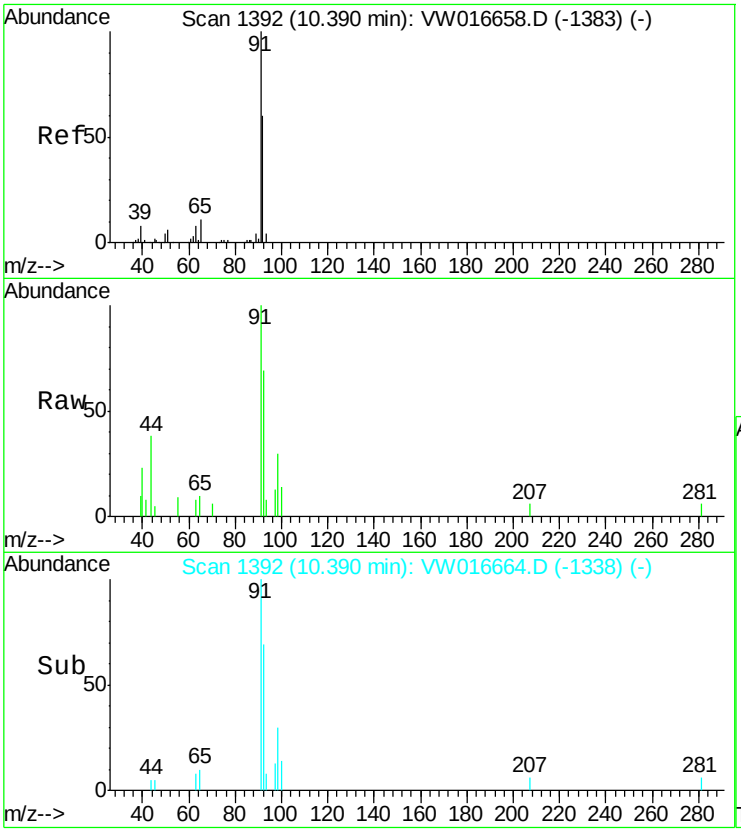


#16
Methylene chloride
Concen: 3.082 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW016664.D
Acq: 28 Sep 2020 13:02

Tgt Ion: 84 Resp: 3825

Ion	Ratio	Lower	Upper
84	100		
49	103.4	76.0	141.2
86	53.1	45.6	84.6



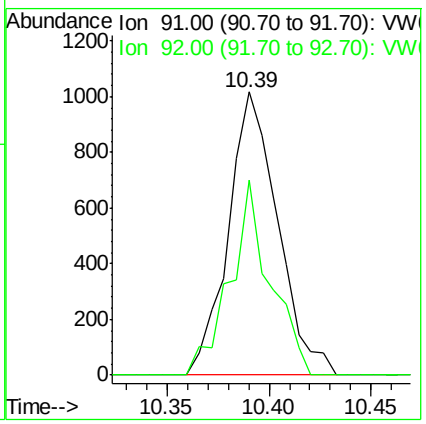


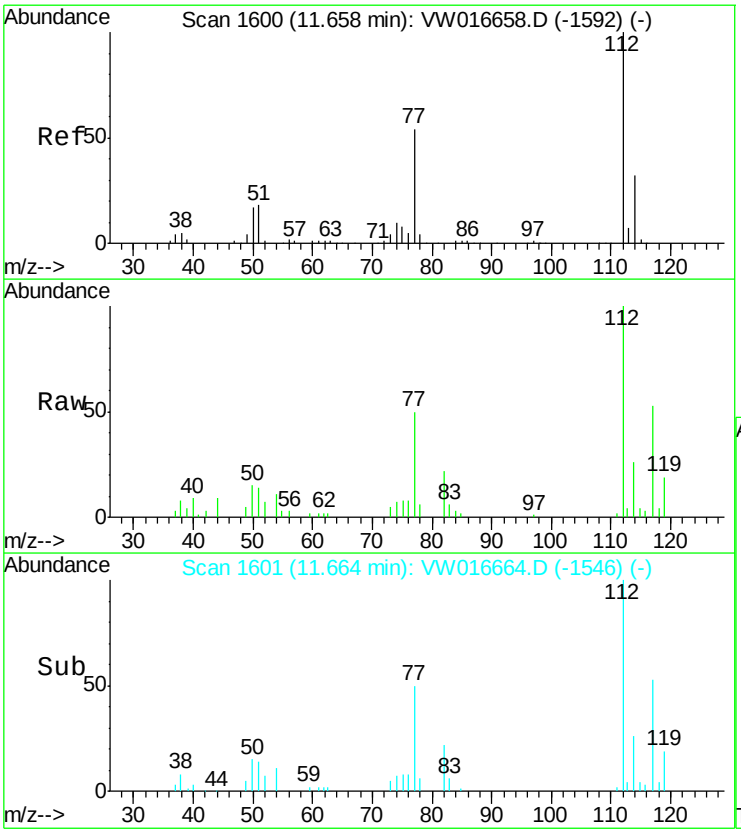
#44
Toluene
Concen: 0.416 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW016664.D
Acq: 28 Sep 2020 13:02

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Tgt Ion: 91 Resp: 1704

Ion	Ratio	Lower	Upper
91	100		
92	68.7	39.6	73.6

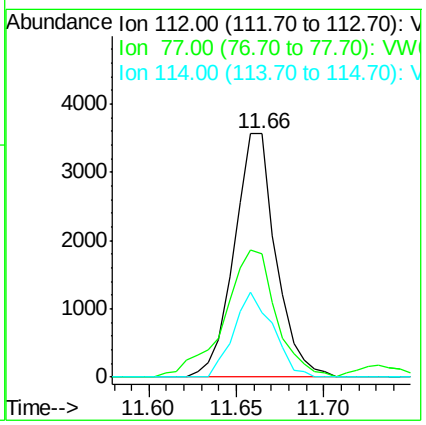


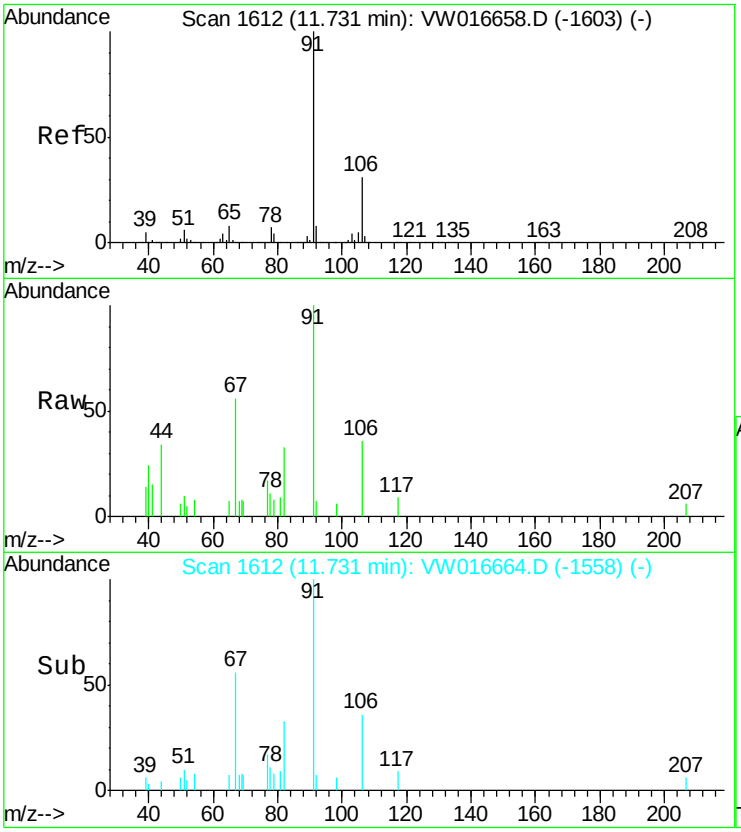


#52
Chlorobenzene
Concen: 2.150 ug/L
RT: 11.66 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VW016664.D
Acq: 28 Sep 2020 13:02

Tgt Ion:112 Resp: 5921

Ion	Ratio	Lower	Upper
112	100		
77	50.5	43.1	64.7
114	26.2	22.3	41.3



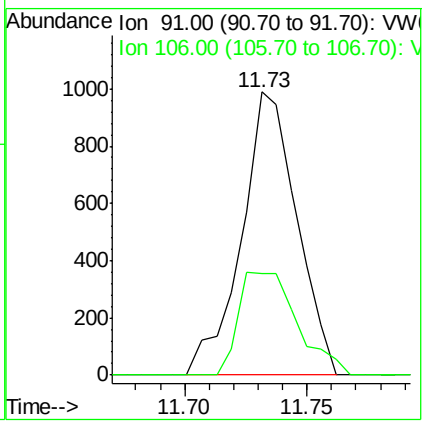


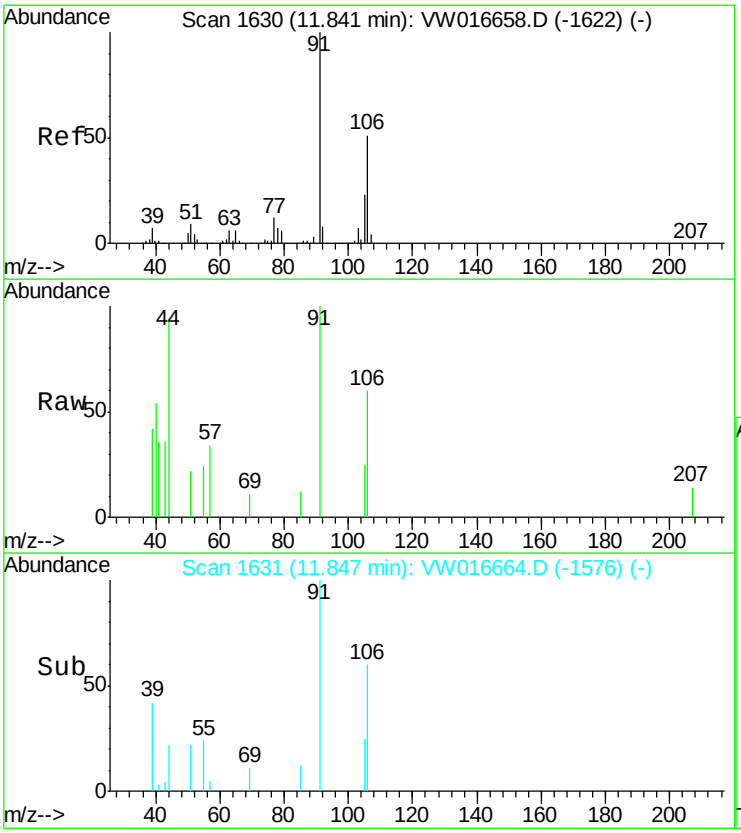
#53
Ethylbenzene
Concen: 0.334 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016664.D
Acq: 28 Sep 2020 13:02

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Tgt Ion: 91 Resp: 1556

Ion	Ratio	Lower	Upper
91	100		
106	35.8	20.7	38.5

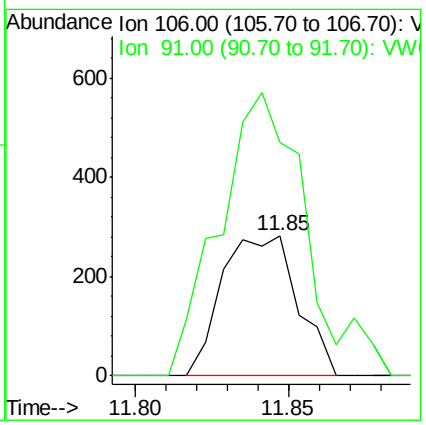


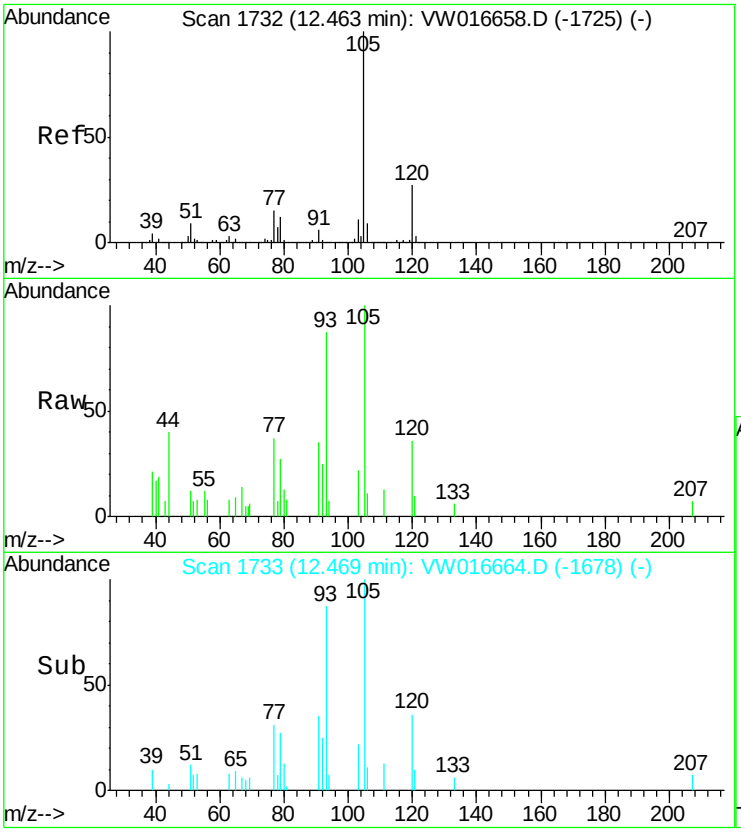


#54
m,p-Xylene
Concen: 0.265 ug/L
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW016664.D
Acq: 28 Sep 2020 13:02

Tgt Ion:106 Resp: 483

Ion	Ratio	Lower	Upper
106	100		
91	166.3	139.7	259.5



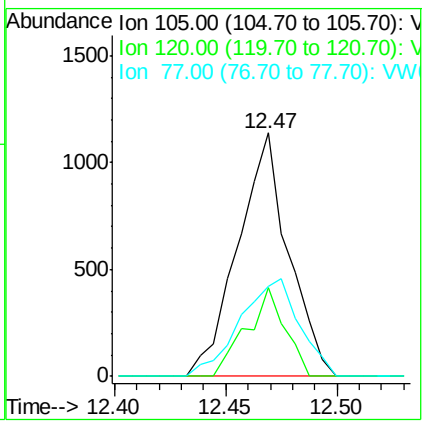


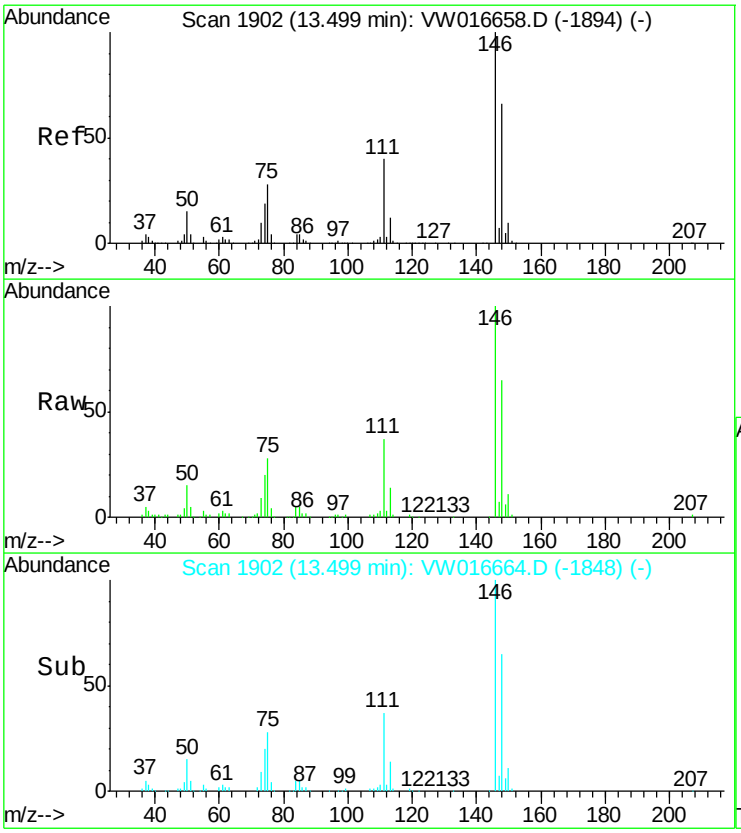
#57
Isopropylbenzene
Concen: 0.377 ug/L
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW016664.D
Acq: 28 Sep 2020 13:02

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Tgt Ion:105 Resp: 1797

Ion	Ratio	Lower	Upper
105	100		
120	27.7	21.8	32.8
77	47.1	12.2	18.2#

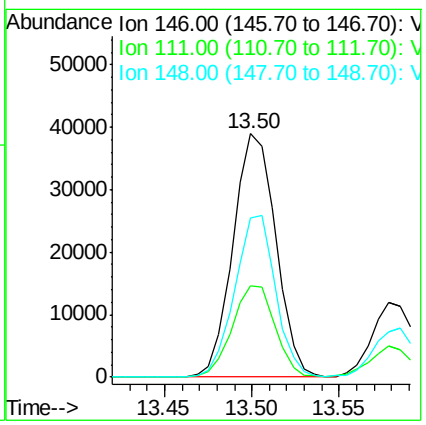


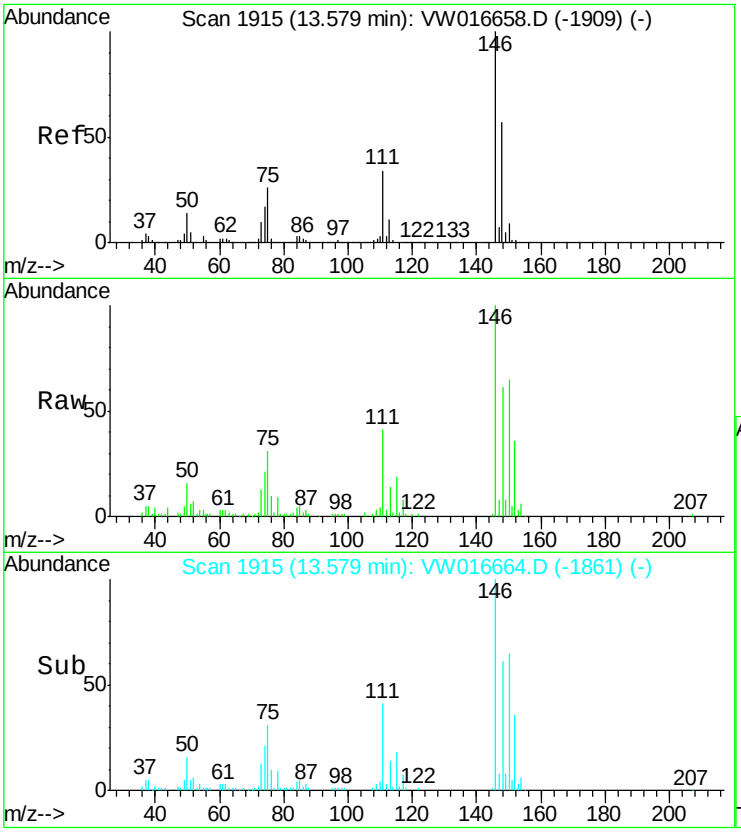


#63
1,3-Dichlorobenzene
Concen: 37.894 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW016664.D
Acq: 28 Sep 2020 13:02

Tgt Ion:146 Resp: 66448

Ion	Ratio	Lower	Upper
146	100		
111	37.5	25.0	46.4
148	65.4	44.0	81.8



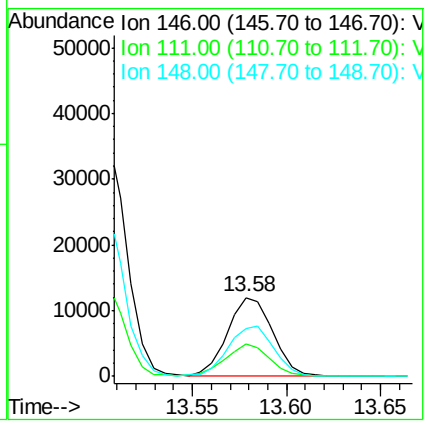


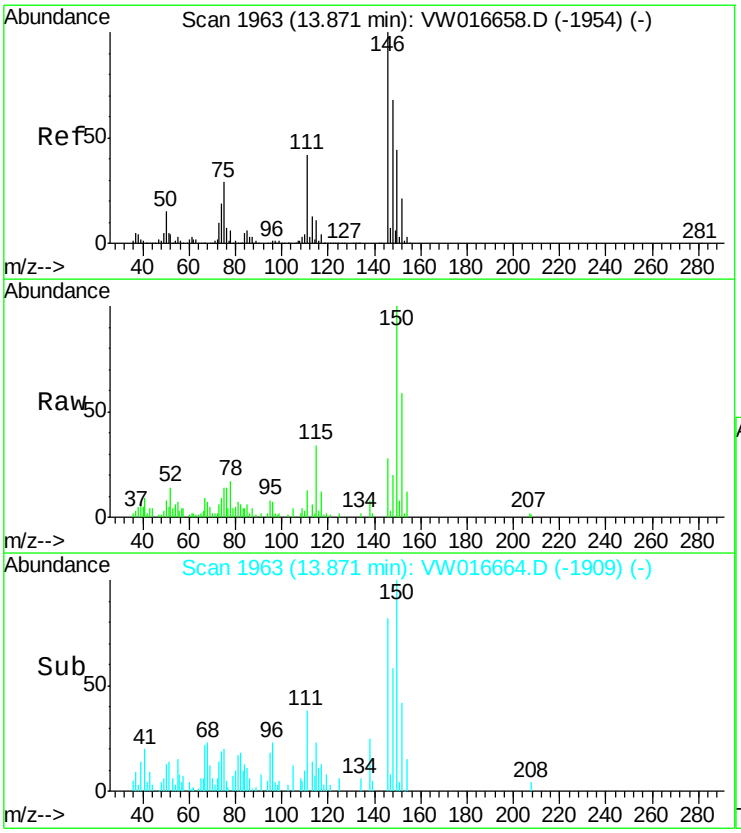
#64
1,4-Dichlorobenzene
Concen: 11.635 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW016664.D
Acq: 28 Sep 2020 13:02

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Tgt Ion:146 Resp: 19980

Ion	Ratio	Lower	Upper
146	100		
111	40.8	25.1	46.5
148	60.7	42.3	78.5

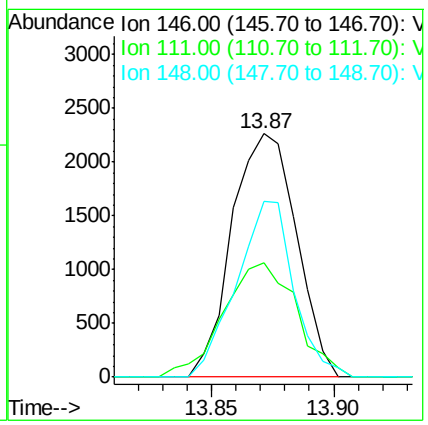


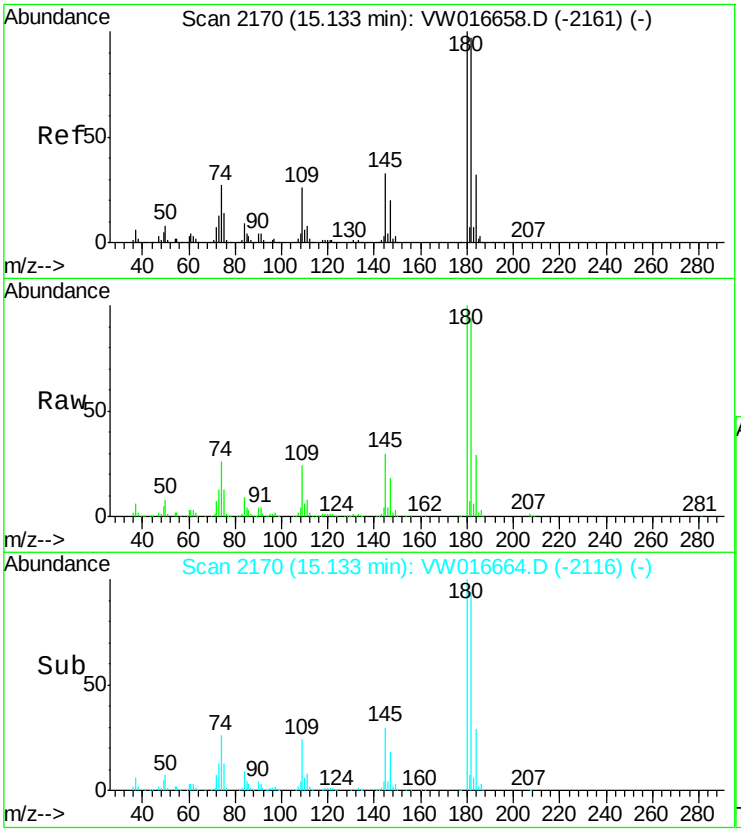


#65
1,2-Dichlorobenzene
Concen: 2.656 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW016664.D
Acq: 28 Sep 2020 13:02

Tgt Ion:146 Resp: 4161

Ion	Ratio	Lower	Upper
146	100		
111	46.9	31.4	47.0
148	71.9	49.3	73.9





#68
1,2,4-trichlorobenzene
Concen: 162.390 ug/L
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW016664.D
Acq: 28 Sep 2020 13:02

Instrument :
MSVOA_W
ClientSampleId :
BG3Y0

Tgt Ion:180 Resp: 168466

Ion	Ratio	Lower	Upper
180	100		
182	96.7	74.5	111.7
145	32.0	23.1	34.7