Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR110618\
Data File : VR026191.D
Acq On : 6 Nov 2018 15:01
Operator : SY/MD
Sample : J5801-05
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : F9D04

Quant Time: Nov 06 16:29:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 06 15:50:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	642996	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	553437	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	230752	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.15	65	233916	4.16	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 83.20%			
7) Chloroethane-d5	2.62	69	229389	4.74	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 94.80%			
11) 1,1-Dichloroethene-d2	3.61	63	460017	3.33	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 66.60%			
20) 2-Butanone-d5	6.58	46	253457	54.86	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 109.72%			
24) Chloroform-d	7.20	84	401765	4.49	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 89.80%			
26) 1,2-Dichloroethane-d4	7.90	65	173579	4.67	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 93.40%			
32) Benzene-d6	7.85	84	837259	4.71	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 94.20%			
36) 1,2-Dichloropropane-d6	8.90	67	217538	4.74	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 94.80%			
41) Toluene-d8	9.97	98	782621	4.66	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 93.20%			
43) trans-1,3-Dichloropropene-	10.24	79	52081	4.33	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 86.60%			
46) 2-Hexanone-d5	10.59	63	181417	52.17	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 104.34%			
57) 1,1,2,2-Tetrachloroethane-	12.36	84	84017	4.66	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 93.20%			
64) 1,2-Dichlorobenzene-d4	13.52	152	207211	5.68	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 113.60%			
Target Compounds						Qvalue
17) Methyl tert-butyl Ether	4.90	73	41741	0.735	ug/L #	1
18) trans-1,2-Dichloroethene	4.88	96	14163	0.300	ug/L	96
22) cis-1,2-Dichloroethene	6.67	96	71621	1.601	ug/L #	98
30) Cyclohexane	7.52	56	663654	8.742	ug/L	99
33) Benzene	7.90	78	743289	3.579	ug/L	100
35) Methylcyclohexane	8.95	83	535816	6.771	ug/L	96
42) Toluene	10.03	91	90927	0.415	ug/L	96
51) Chlorobenzene	11.32	112	4557903	37.565	ug/L	96
52) Ethylbenzene	11.39	91	6000728	23.809	ug/L	87
53) m,p-Xylene	11.50	106	3310970	36.056	ug/L	84
54) o-Xylene	11.83	106	581145	6.903	ug/L	98
56) Isopropylbenzene	12.13	105	509636	2.180	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	44835	0.585	ug/L	92
63) 1,4-Dichlorobenzene	13.24	146	172089	2.168	ug/L	89
65) 1,2-Dichlorobenzene	13.53	146	486183	7.902	ug/L	100

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR110618\
Data File : VR026191.D
Acq On : 6 Nov 2018 15:01
Operator : SY/MD
Sample : J5801-05
Misc : 25mL/MSVOA R/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D04

Quant Time: Nov 06 16:29:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 06 15:50:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR110618\
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Acq On : 6 Nov 2018 15:01
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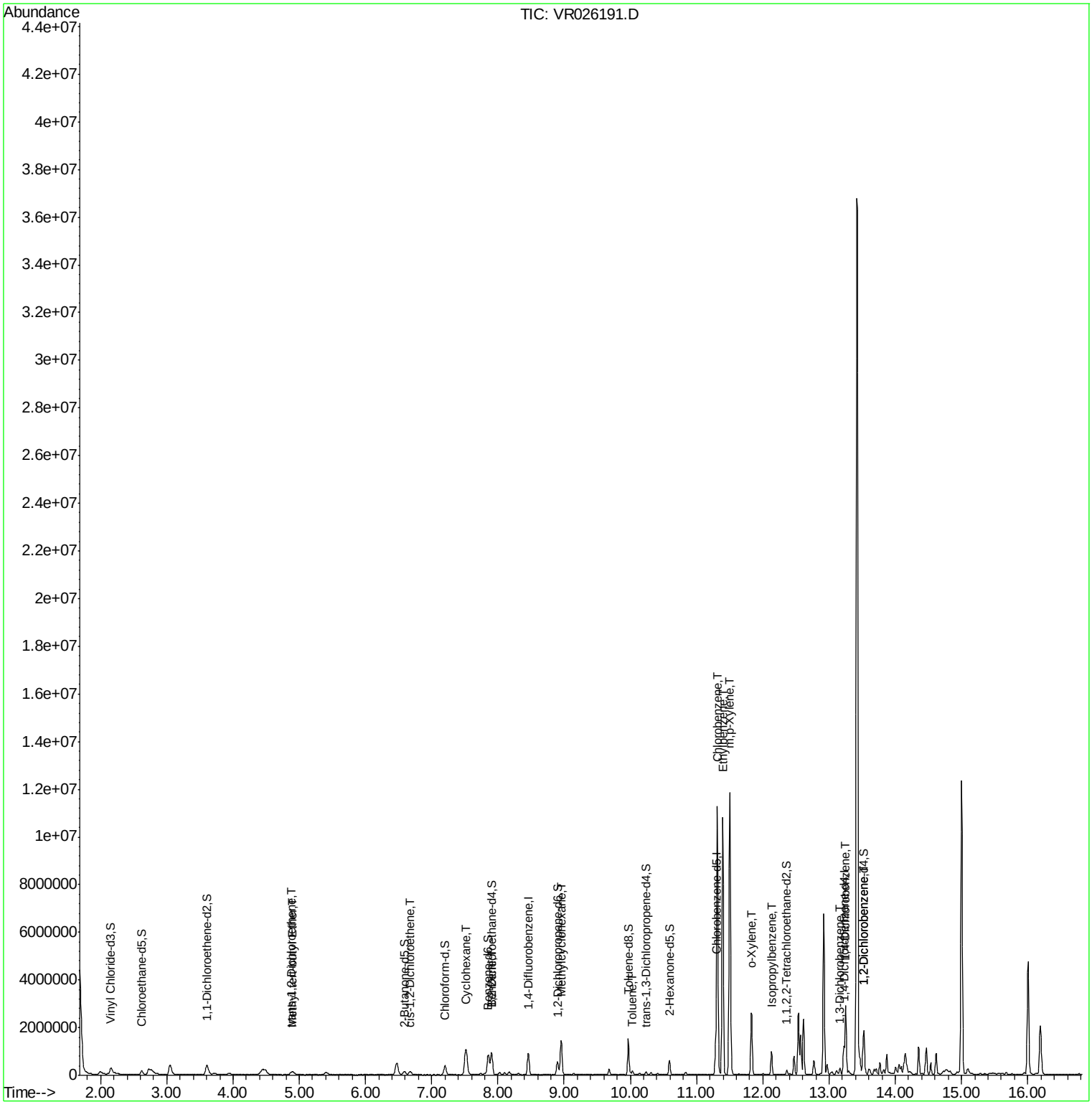
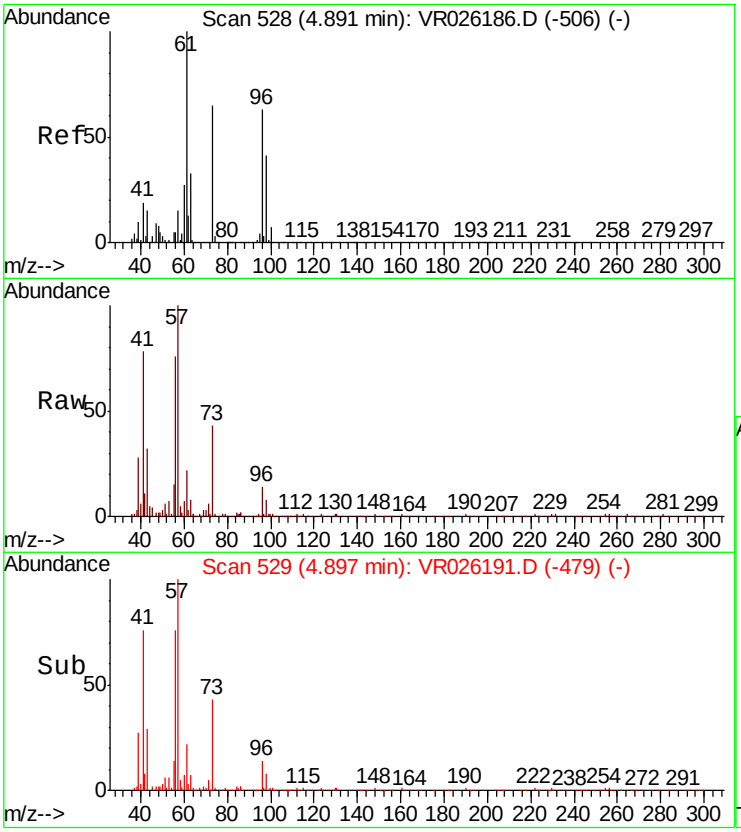
QLast Update : Tue Nov 06 15:50:53 2018
Response via : Initial Calibration



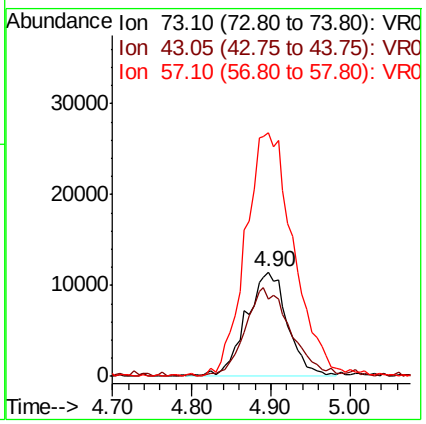


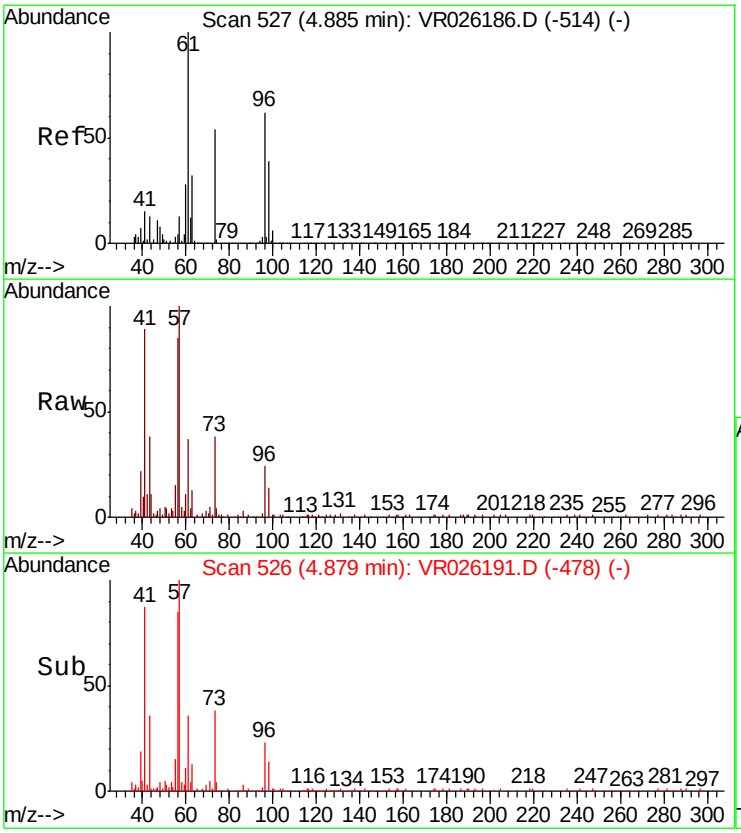
#17
Methyl tert-butyl Ether
Concen: 0.735 ug/L
RT: 4.90 min Scan# 529
Delta R.T. 0.01 min
Lab File: VR026191.D
Acq: 6 Nov 2018 15:01

Instrument : MSVOA_R
ClientSampleId : F9D04

Tgt Ion: 73 Resp: 41741

Ion	Ratio	Lower	Upper
73	100		
43	93.0	20.1	30.1#
57	273.7	19.0	28.4#

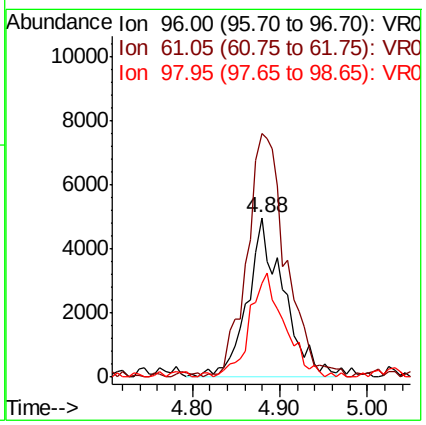


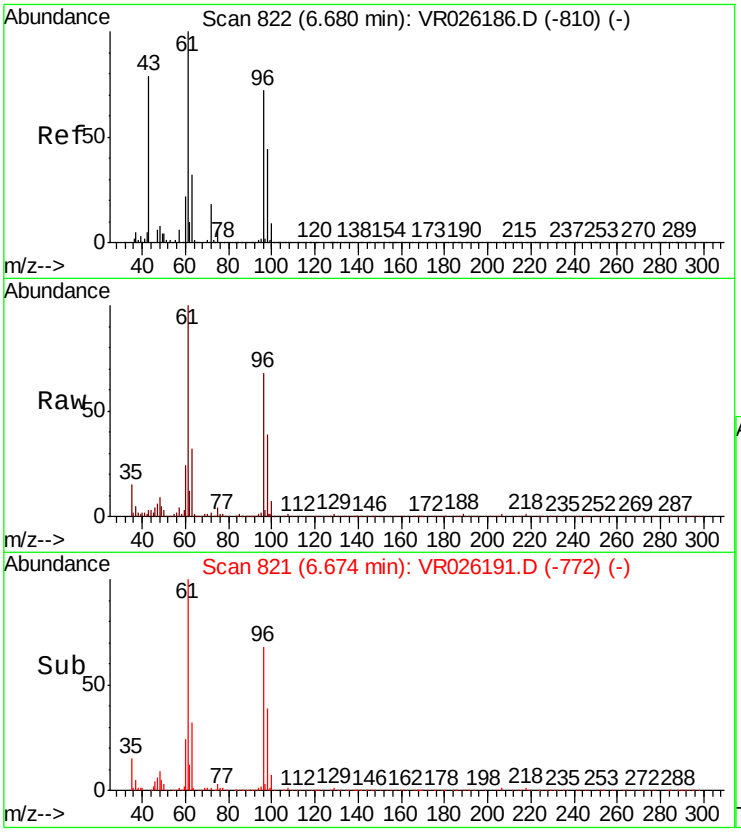


#18
trans-1,2-Dichloroethene
Concen: 0.300 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.01 min
Lab File: VR026191.D
Acq: 6 Nov 2018 15:01

Tgt Ion: 96 Resp: 14163

Ion	Ratio	Lower	Upper
96	100		
61	152.4	111.4	206.8
98	58.4	41.4	77.0



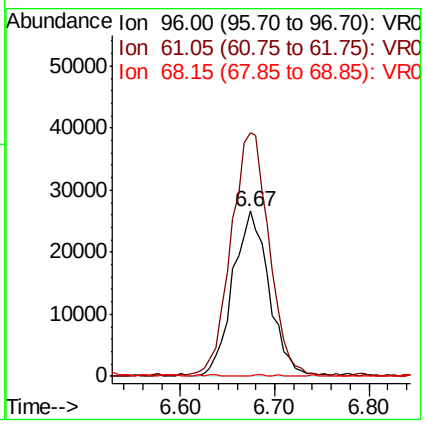


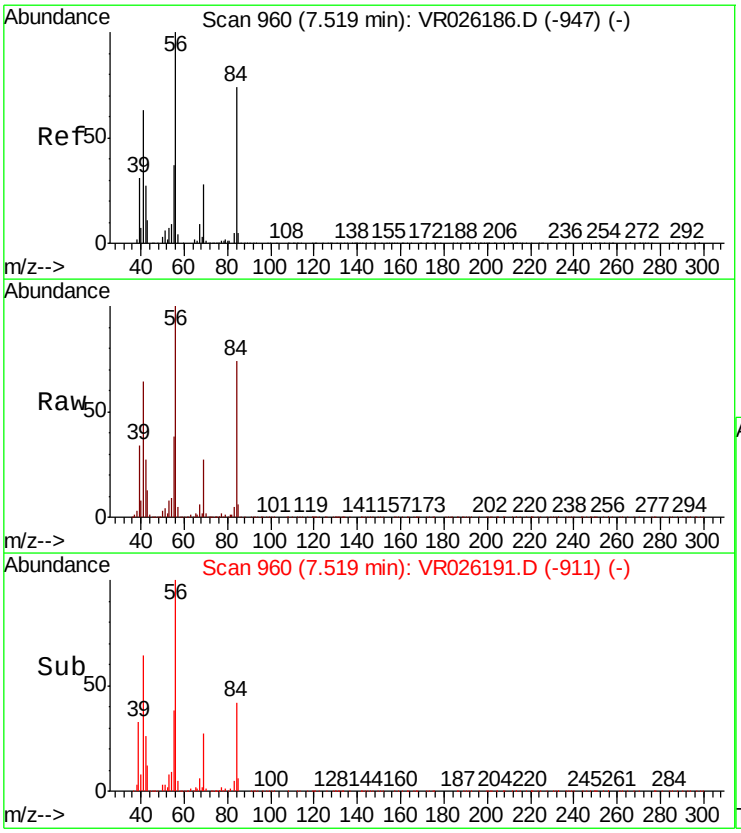
#22
cis-1,2-Dichloroethene
Concen: 1.601 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.00 min
Lab File: VR026191.D
Acq: 6 Nov 2018 15:01

Instrument :
MSVOA_R
ClientSampleId :
F9D04

Tgt Ion: 96 Resp: 71621

Ion	Ratio	Lower	Upper
96	100		
61	147.6	101.8	189.0
68	0.3	0.1	0.3#

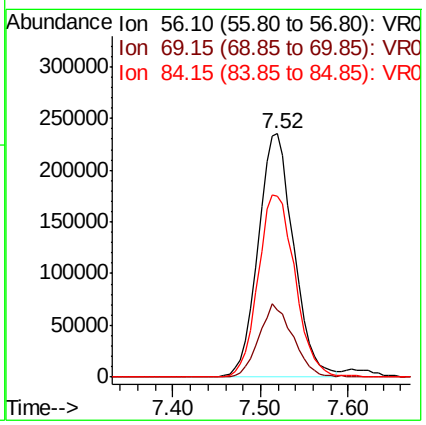


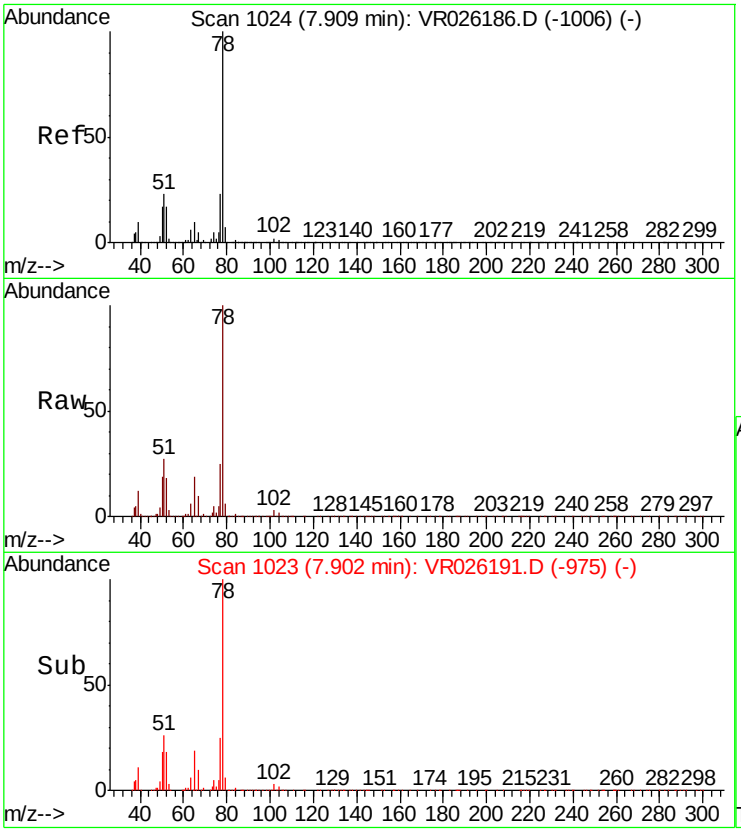


#30
Cyclohexane
Concen: 8.742 ug/L
RT: 7.52 min Scan# 960
Delta R.T. 0.00 min
Lab File: VR026191.D
Acq: 6 Nov 2018 15:01

Tgt Ion: 56 Resp: 663654

Ion	Ratio	Lower	Upper
56	100		
69	28.9	23.8	35.8
84	77.6	62.2	93.4

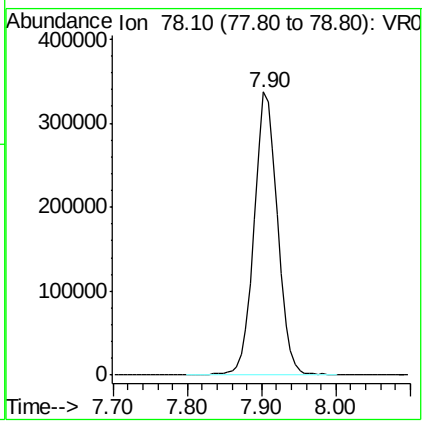


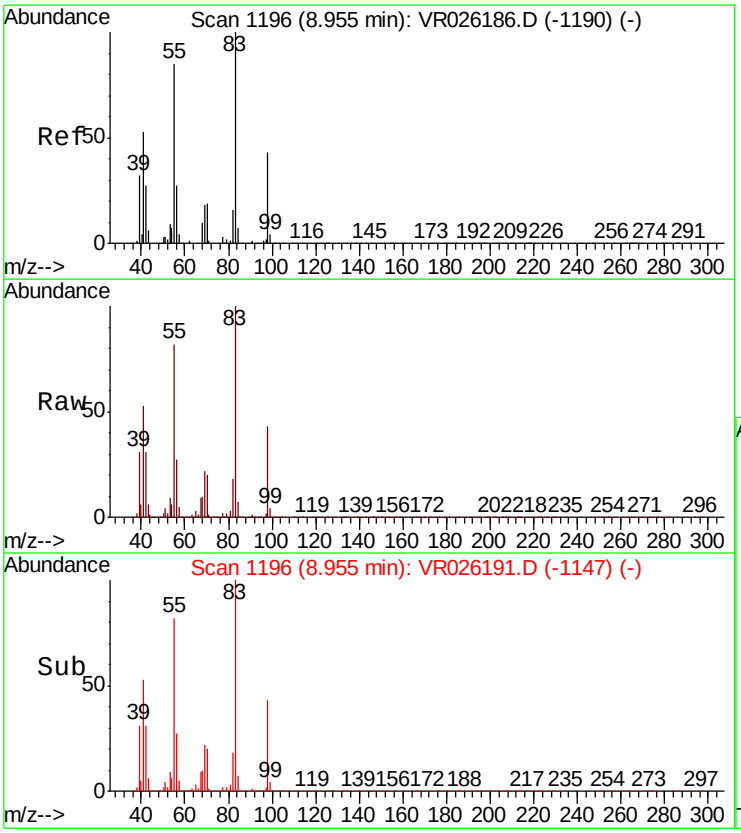


#33
Benzene
Concen: 3.579 ug/L
RT: 7.90 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VR026191.D
Acq: 6 Nov 2018 15:01

Instrument :
MSVOA_R
ClientSampleId :
F9D04

Tgt Ion: 78 Resp: 743289

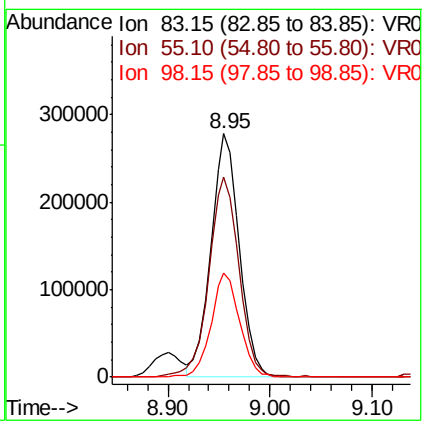


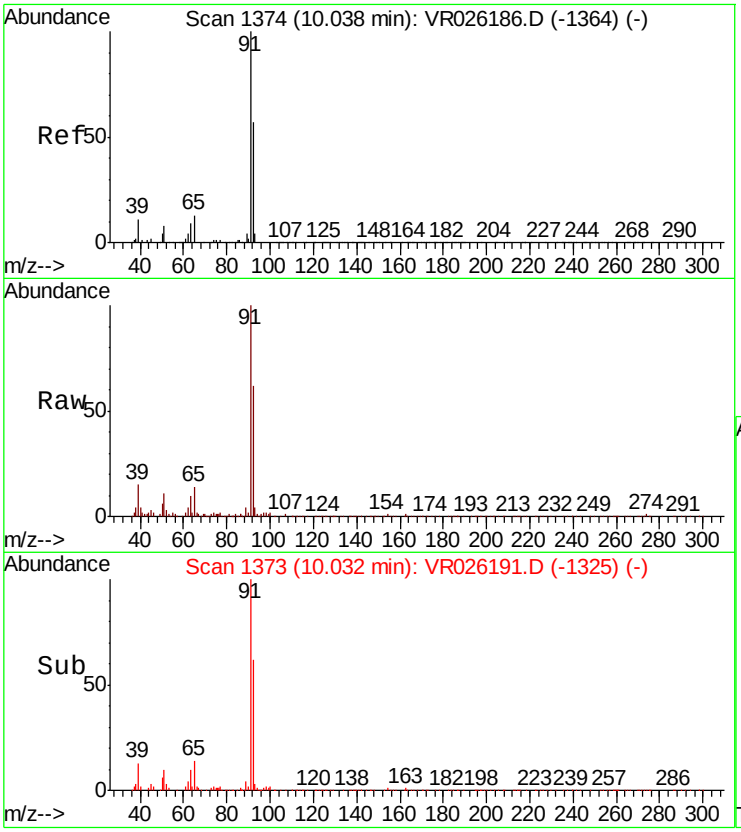


#35
Methylcyclohexane
Concen: 6.771 ug/L
RT: 8.95 min Scan# 1196
Delta R.T. 0.00 min
Lab File: VR026191.D
Acq: 6 Nov 2018 15:01

Tgt Ion: 83 Resp: 535816

Ion	Ratio	Lower	Upper
83	100		
55	87.9	66.8	100.2
98	43.3	35.2	52.8



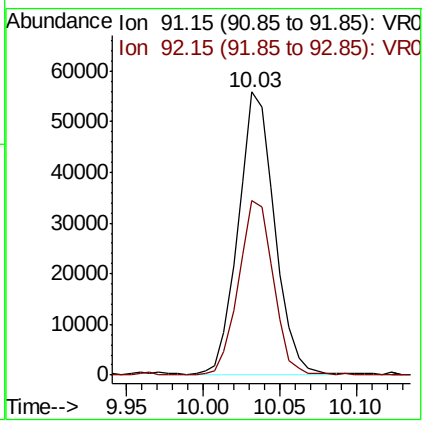


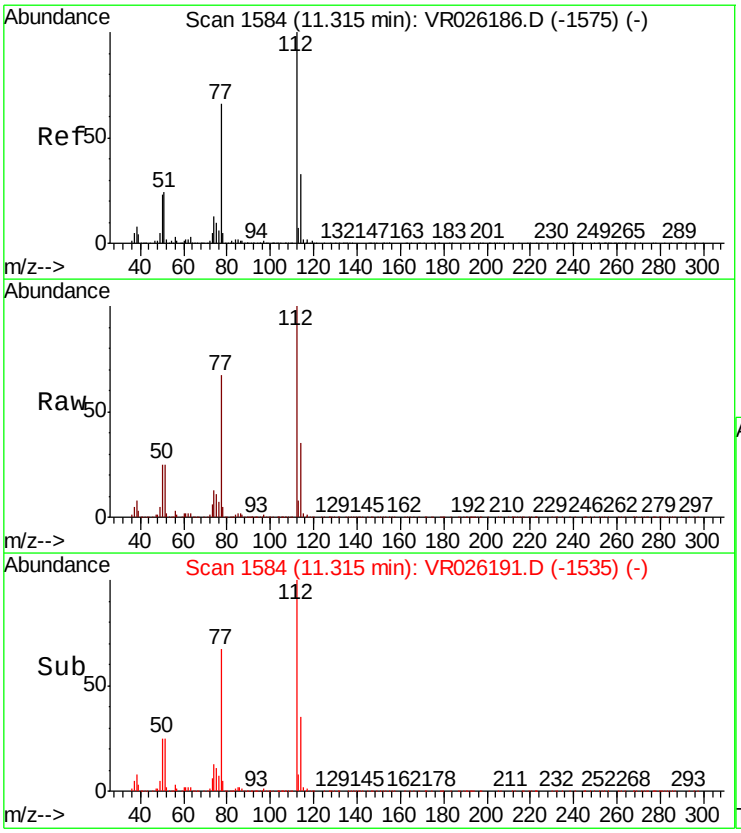
#42
Toluene
Concen: 0.415 ug/L
RT: 10.03 min Scan# 1373
Delta R.T. -0.01 min
Lab File: VR026191.D
Acq: 6 Nov 2018 15:01

Instrument : MSVOA_R
ClientSampleId : F9D04

Tgt Ion: 91 Resp: 90927

Ion	Ratio	Lower	Upper
91	100		
92	61.5	40.8	75.8

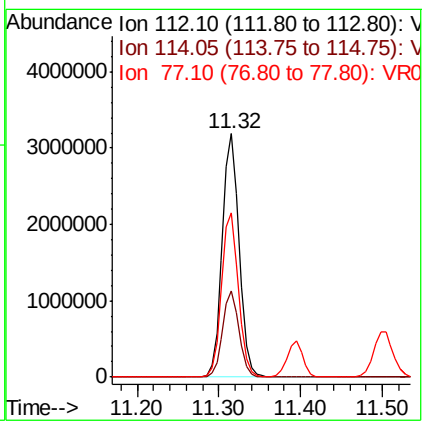


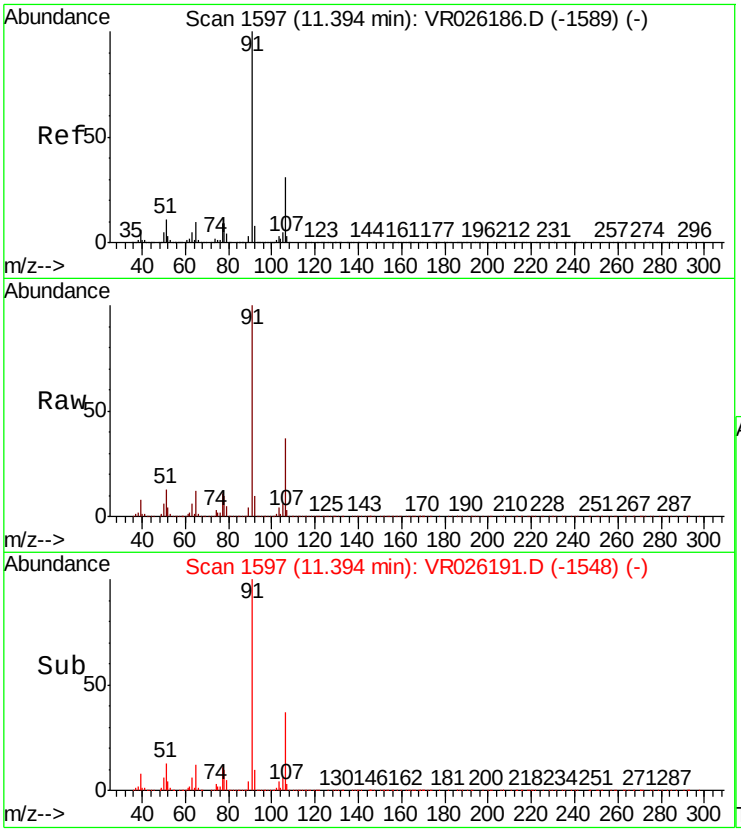


#51
Chlorobenzene
Concen: 37.565 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026191.D
Acq: 6 Nov 2018 15:01

Tgt Ion:112 Resp: 4557903

Ion	Ratio	Lower	Upper
112	100		
114	35.3	22.8	42.4
77	67.3	51.5	77.3



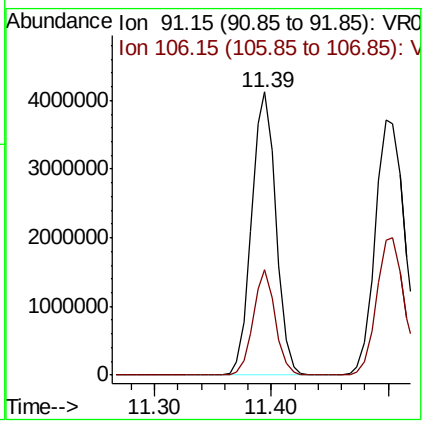


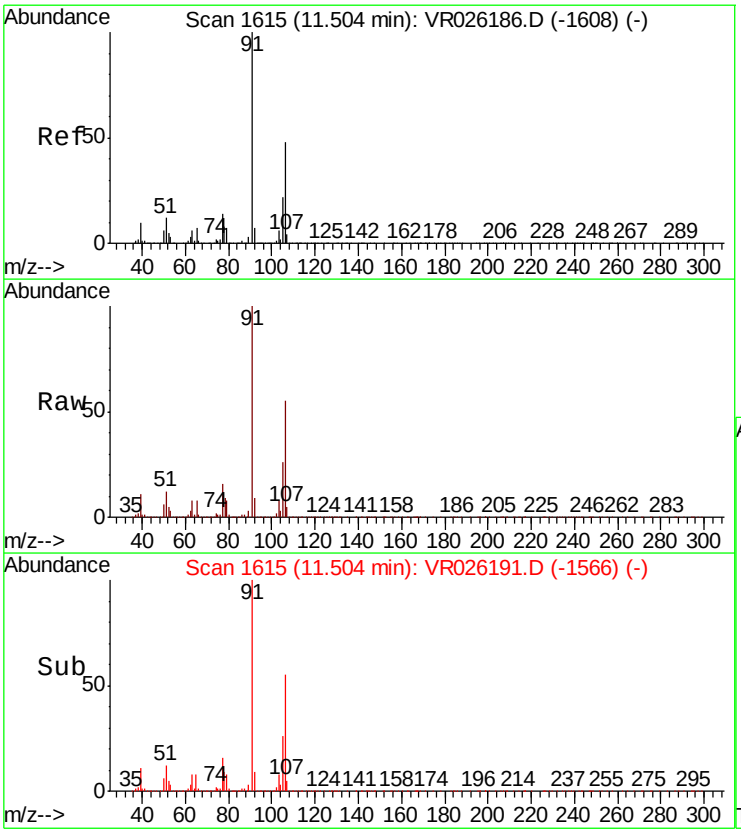
#52
Ethylbenzene
Concen: 23.809 ug/L
RT: 11.39 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VR026191.D
Acq: 6 Nov 2018 15:01

Instrument : MSVOA_R
ClientSampleId : F9D04

Tgt Ion: 91 Resp: 6000728

Ion	Ratio	Lower	Upper
91	100		
106	37.3	21.2	39.4

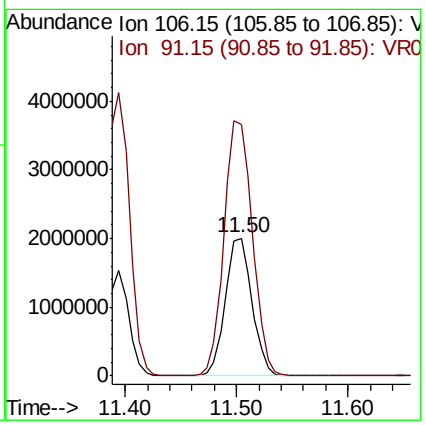


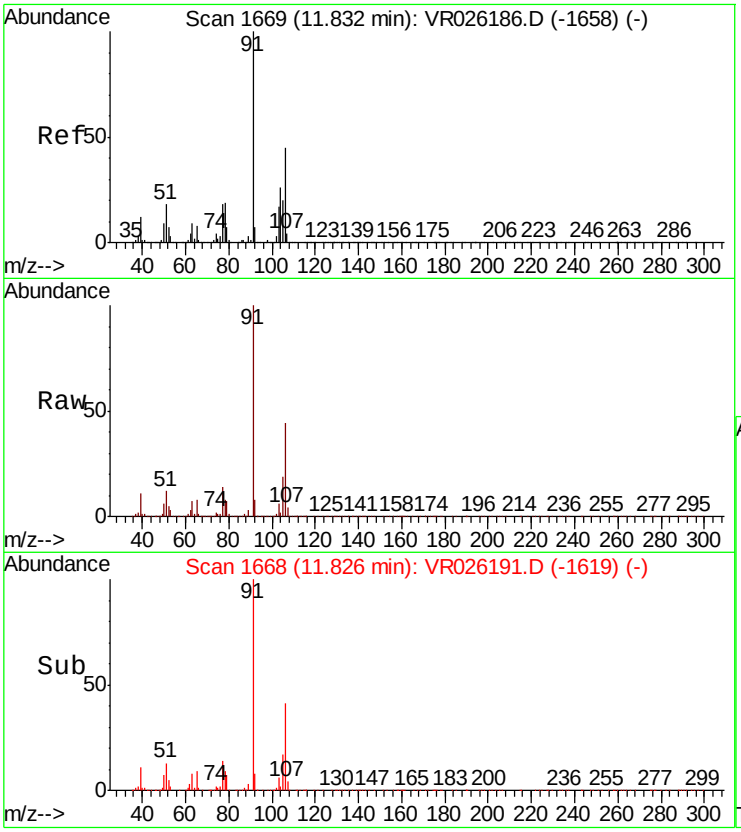


#53
m,p-Xylene
Concen: 36.056 ug/L
RT: 11.50 min Scan# 1615
Delta R.T. 0.00 min
Lab File: VR026191.D
Acq: 6 Nov 2018 15:01

Tgt Ion:106 Resp: 3310970

Ion	Ratio	Lower	Upper
106	100		
91	182.6	145.3	269.8



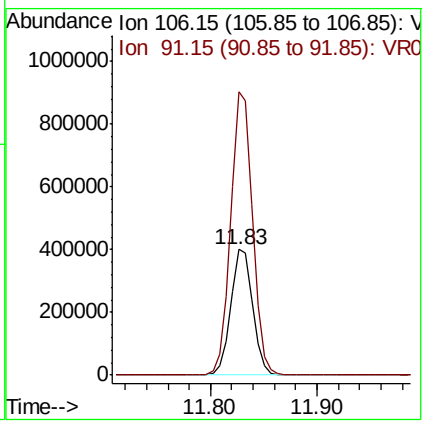


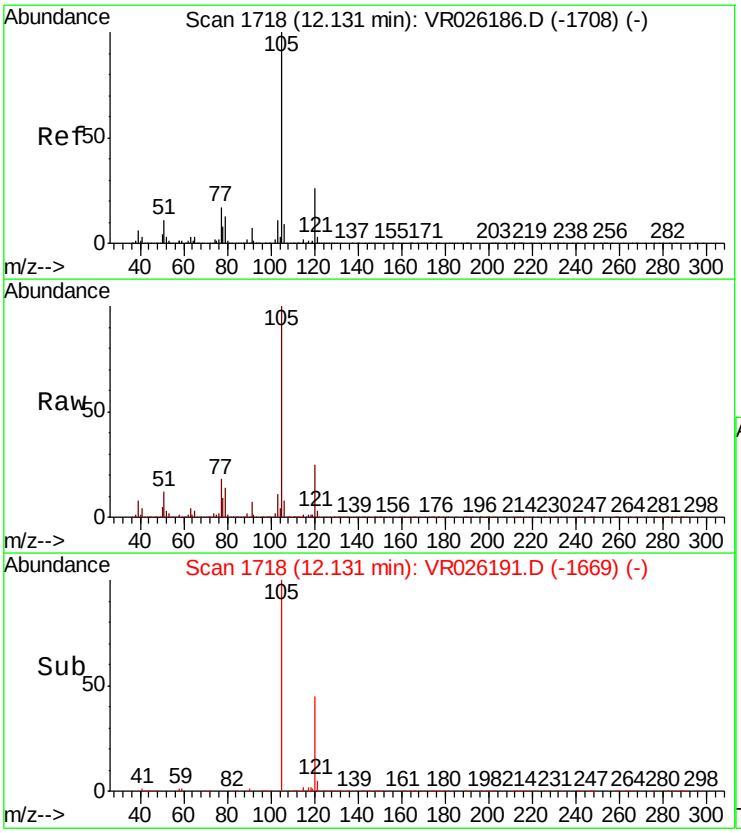
#54
o-Xylene
Concen: 6.903 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. 0.00 min
Lab File: VR026191.D
Acq: 6 Nov 2018 15:01

Instrument : MSVOA_R
ClientSampleId : F9D04

Tgt Ion:106 Resp: 581145

Ion	Ratio	Lower	Upper
106	100		
91	225.8	155.8	289.3

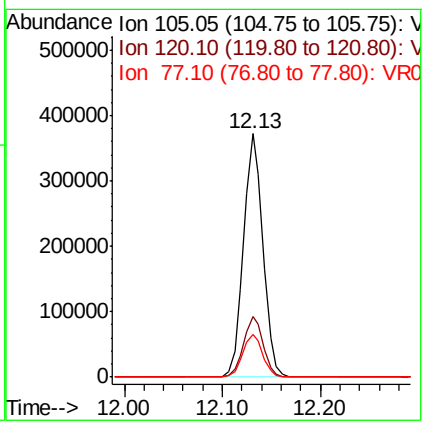


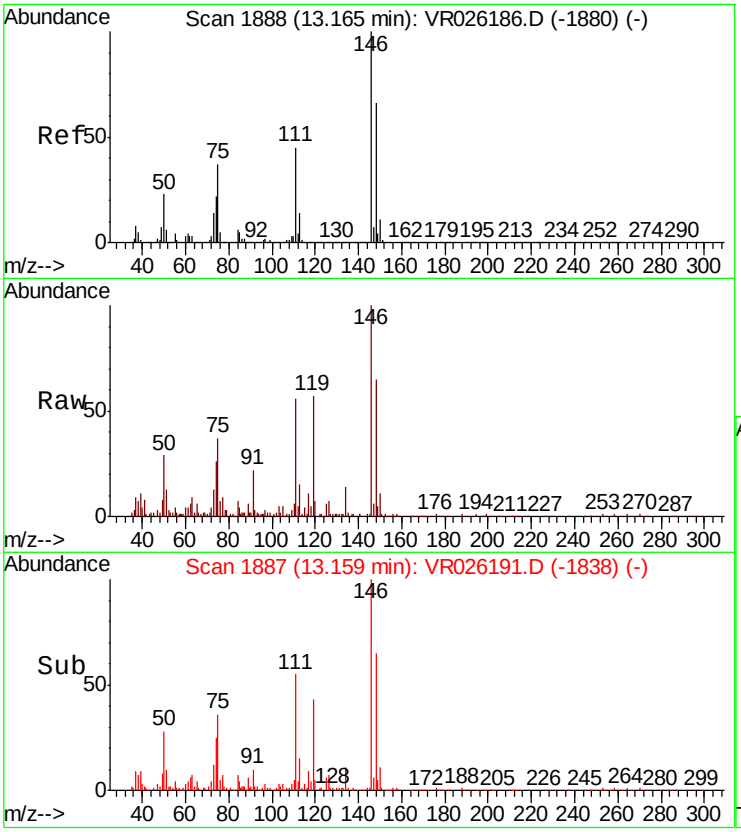


#56
Isopropylbenzene
Concen: 2.180 ug/L
RT: 12.13 min Scan# 1718
Delta R.T. 0.00 min
Lab File: VR026191.D
Acq: 6 Nov 2018 15:01

Tgt Ion:105 Resp: 509636

Ion	Ratio	Lower	Upper
105	100		
120	25.3	21.0	31.4
77	17.9	14.6	21.8



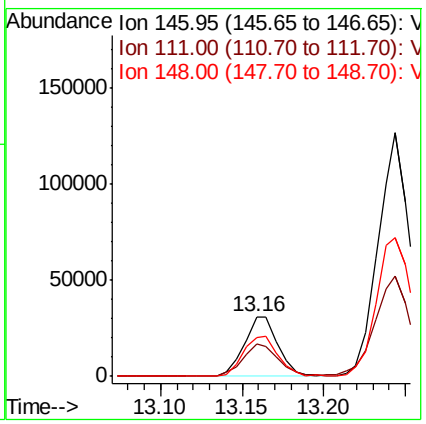


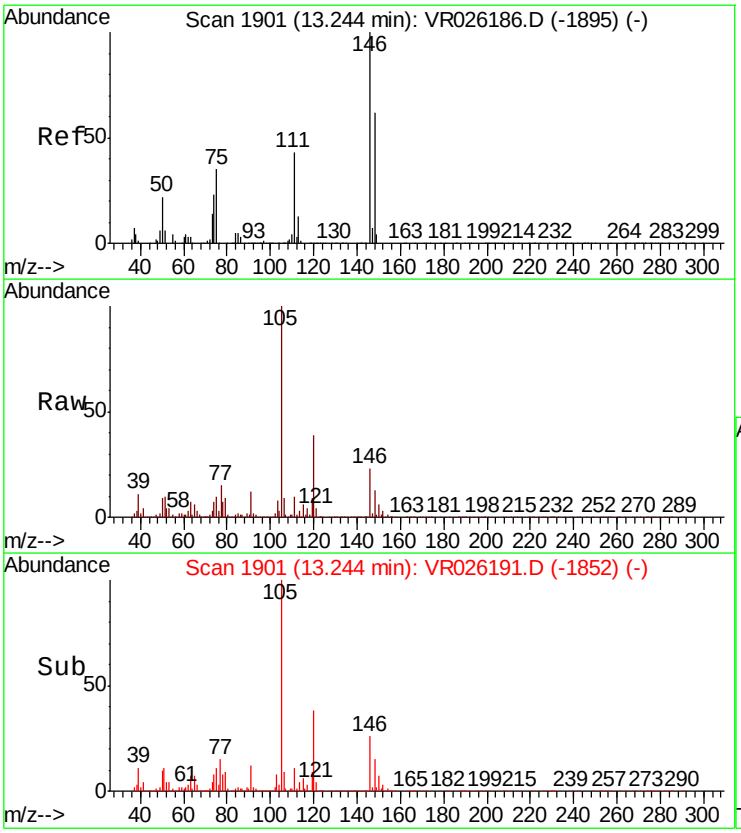
#62
1,3-Dichlorobenzene
Concen: 0.585 ug/L
RT: 13.16 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VR026191.D
Acq: 6 Nov 2018 15:01

Instrument :
MSVOA_R
ClientSampleId :
F9D04

Tgt Ion:146 Resp: 44835

Ion	Ratio	Lower	Upper
146	100		
111	55.6	32.1	59.7
148	64.8	43.8	81.3

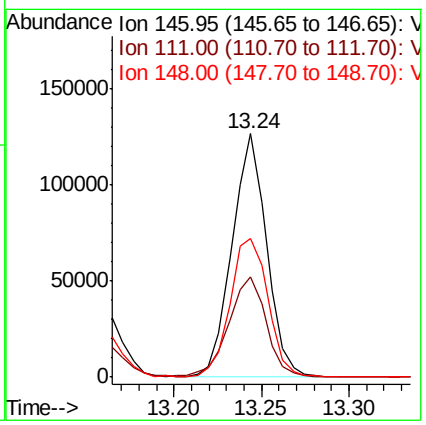


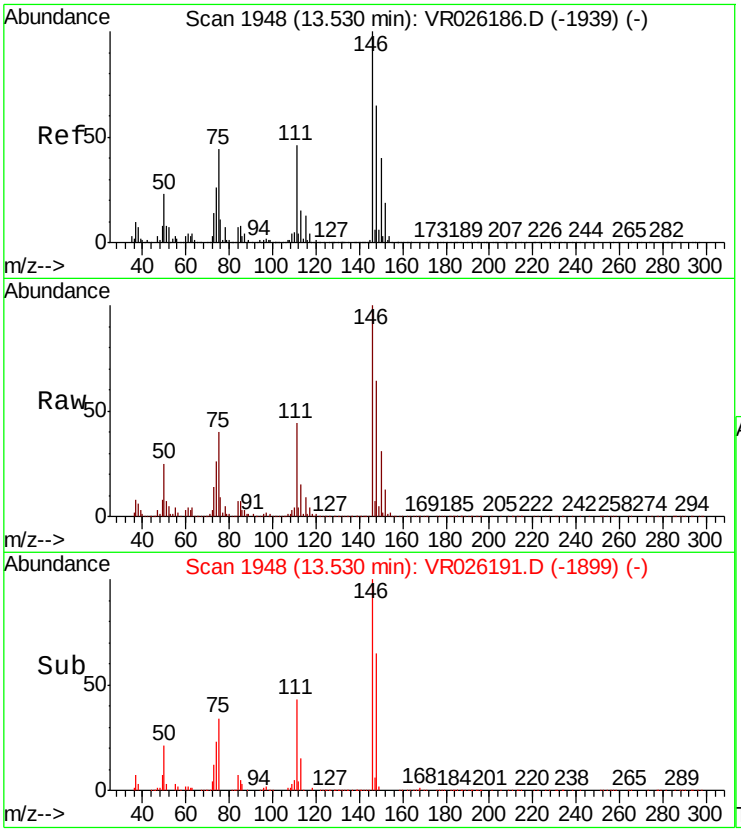


#63
1,4-Dichlorobenzene
Concen: 2.168 ug/L
RT: 13.24 min Scan# 1901
Delta R.T. 0.00 min
Lab File: VR026191.D
Acq: 6 Nov 2018 15:01

Tgt Ion:146 Resp: 172089

Ion	Ratio	Lower	Upper
146	100		
111	41.2	32.6	60.6
148	56.7	46.7	86.7





#65
1,2-Dichlorobenzene
Concen: 7.902 ug/L
RT: 13.53 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VR026191.D
Acq: 6 Nov 2018 15:01

Instrument :
MSVOA_R
ClientSampleId :
F9D04

Tgt Ion:146 Resp: 486183

Ion	Ratio	Lower	Upper
146	100		
111	43.9	35.2	52.8
148	64.4	51.2	76.8