Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\

Quantitation Report (Not Reviewed)

Data File : VU034661.D
Acq On : 19 Sep 2019 21:03
Operator : JC/SP
Sample : K4895-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG2

Quant Time: Sep 20 04:05:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 20 04:02:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	470199	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	452392	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	201242	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	220739	45.86	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 91.72%			
7) Chloroethane-d5	1.67	69	182483	49.05	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.10%			
11) 1,1-Dichloroethene-d2	2.26	63	310857	38.13	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 76.26%			
21) 2-Butanone-d5	4.15	46	426984	115.74	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 115.74%			
24) Chloroform-d	4.62	84	342221	48.90	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.80%			
26) 1,2-Dichloroethane-d4	5.29	65	251568	48.90	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.80%			
32) Benzene-d6	5.32	84	686886	48.99	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.98%			
36) 1,2-Dichloropropane-d6	6.31	67	239818	48.93	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 97.86%			
41) Toluene-d8	7.54	98	643399	48.23	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.46%			
43) trans-1,3-Dichloropropene-	7.83	79	112955	48.12	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 96.24%			
47) 2-Hexanone-d5	8.29	63	275993	112.12	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 112.12%			
57) 1,1,2,2-Tetrachloroethane-	10.41	84	328245	48.27	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 96.54%			
64) 1,2-Dichlorobenzene-d4	11.84	152	212783	50.42	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.84%			
Target Compounds						Qvalue
5) Vinyl chloride	1.40	62	6895	1.300	ug/L #	47
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2783	0.868	ug/L #	33
12) 1,1-Dichloroethene	2.26	96	2666	0.867	ug/L #	1
13) Acetone	2.31	43	90402	21.065	ug/L	99
15) Methyl Acetate	2.61	43	7927	1.383	ug/L	99
16) Methylene chloride	2.68	84	6499	1.668	ug/L	89
20) cis-1,2-Dichloroethene	4.20	96	5265	1.339	ug/L	78
40) 4-Methyl-2-pentanone	7.40	43	104876	11.758	ug/L #	58
48) 2-Hexanone	8.40	43	106605	15.303	ug/L #	1
51) Chlorobenzene	9.10	112	39693	3.851	ug/L	97
56) Isopropylbenzene	10.15	105	15779	0.875	ug/L	98
59) 1,2,3-Trichloropropane	11.46	75	34475	5.908	ug/L	92
62) 1,3-Dichlorobenzene	11.40	146	7434	1.067	ug/L	95
63) 1,4-Dichlorobenzene	11.49	146	11703	1.648	ug/L	80
65) 1,2-Dichlorobenzene	11.85	146	9195	1.306	ug/L #	84
69) Naphthalene	13.73	128	17035	1.340	ug/L #	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\

Quantitation Report (Not Reviewed)

Data File : VU034661.D
Acq On : 19 Sep 2019 21:03
Operator : JC/SP
Sample : K4895-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG2

Quant Time: Sep 20 04:05:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 20 04:02:05 2019
Response via : Initial Calibration

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

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

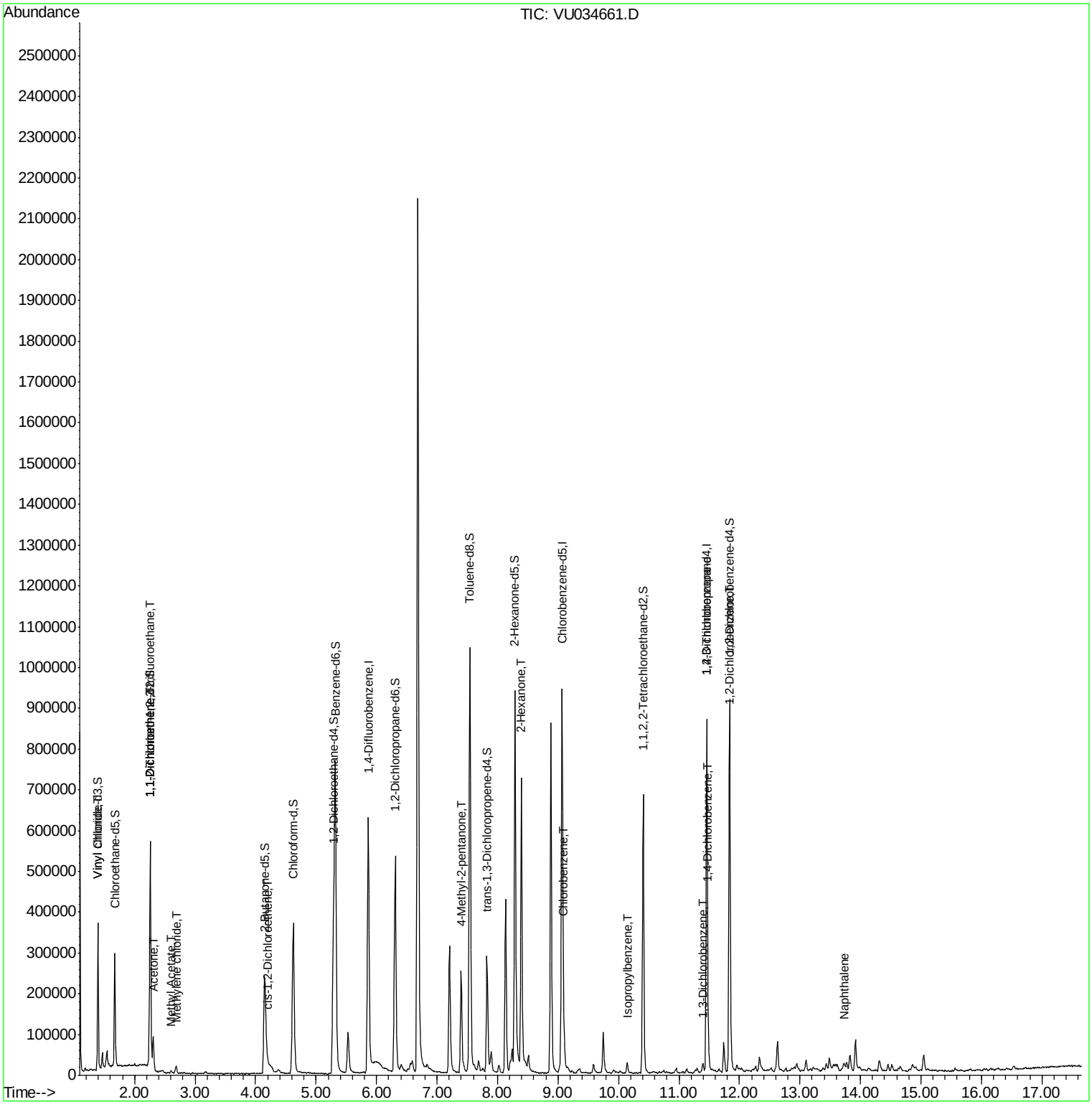
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\

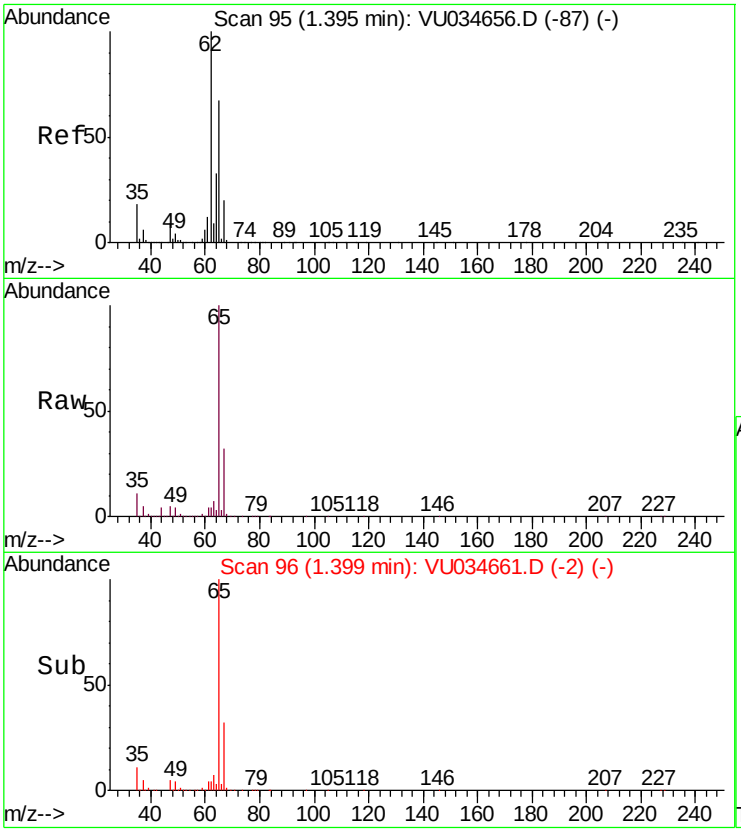
Quantitation Report (Not Reviewed)

Data File : VU034661.D
Acq On : 19 Sep 2019 21:03
Operator : JC/SP
Sample : K4895-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDG2

Quant Time: Sep 20 04:05:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 20 04:02:05 2019
Response via : Initial Calibration



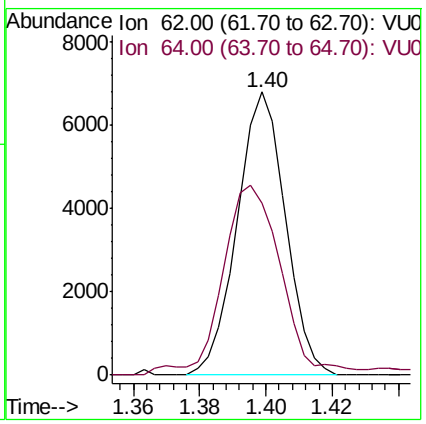


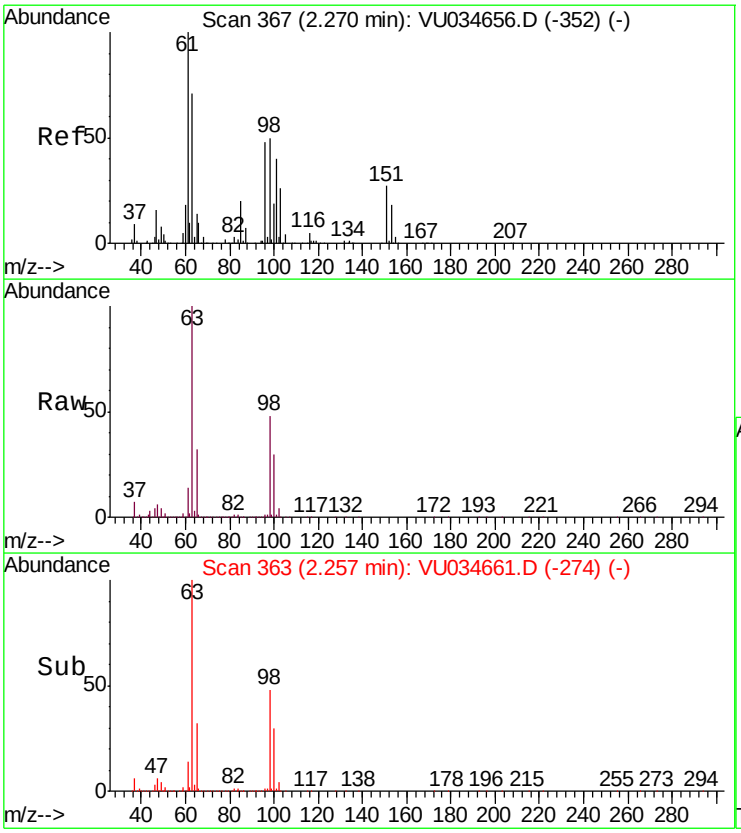
#5
Vinyl chloride
Concen: 1.300 ug/L
RT: 1.40 min Scan# 96
Delta R.T. 0.00 min
Lab File: VU034661.D
Acq: 19 Sep 2019 21:03

Instrument : MSVOA_U
ClientSampleId : BFDG2

Tgt Ion: 62 Resp: 6895

Ion	Ratio	Lower	Upper
62	100		
64	60.9	22.2	41.2#

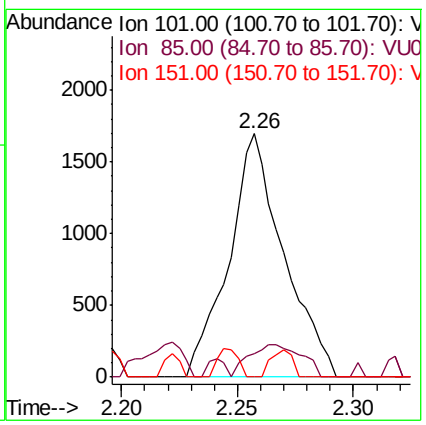


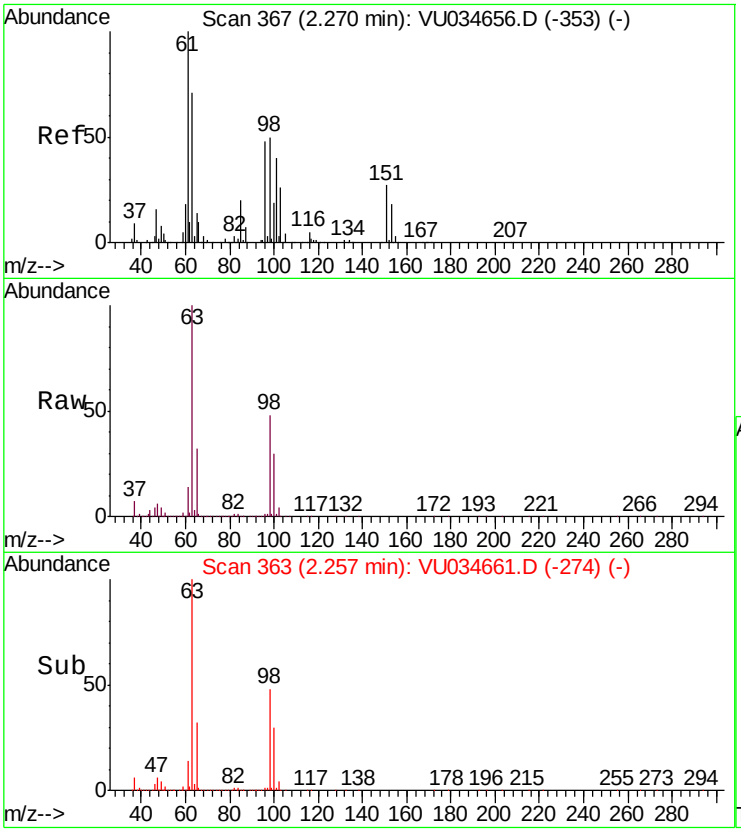


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.868 ug/L
RT: 2.26 min Scan# 363
Delta R.T. -0.01 min
Lab File: VU034661.D
Acq: 19 Sep 2019 21:03

Tgt Ion:101 Resp: 2783

Ion	Ratio	Lower	Upper
101	100		
85	12.8	39.0	58.4#
151	4.3	52.8	79.2#



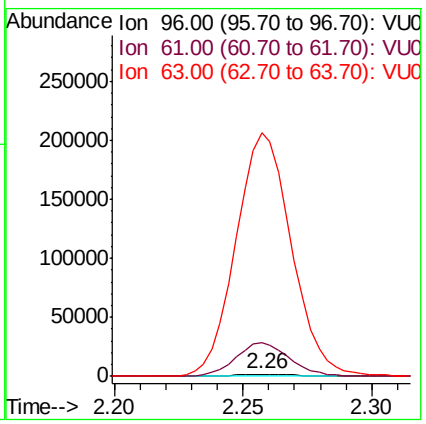


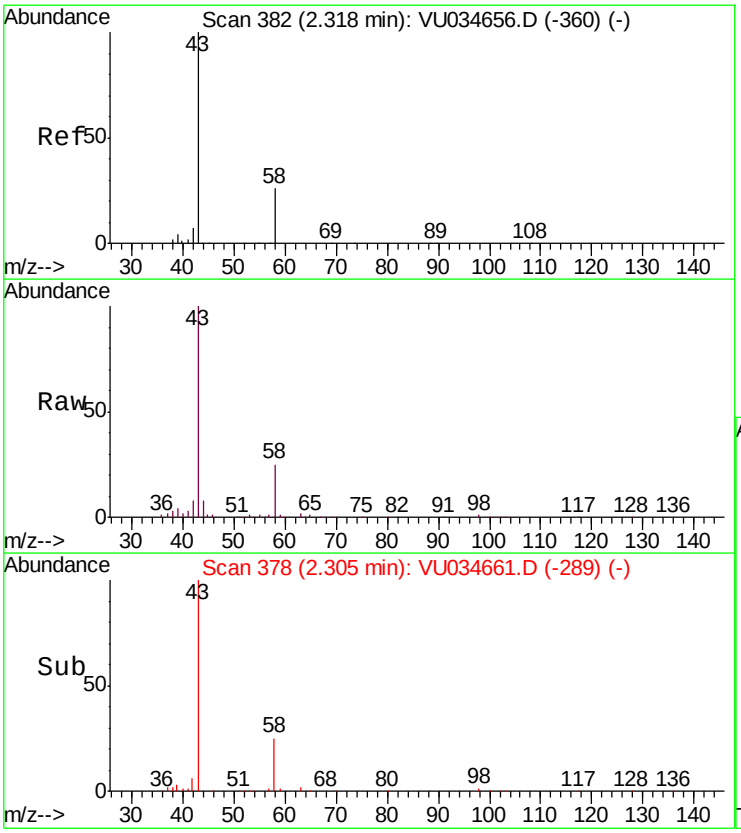
#12
1,1-Dichloroethene
Concen: 0.867 ug/L
RT: 2.26 min Scan# 363
Delta R.T. -0.01 min
Lab File: VU034661.D
Acq: 19 Sep 2019 21:03

Instrument :
MSVOA_U
ClientSampleId :
BFDG2

Tgt Ion: 96 Resp: 2666

Ion	Ratio	Lower	Upper
96	100		
61	2019.3	153.2	284.4#
63	14439.2	113.8	211.3#

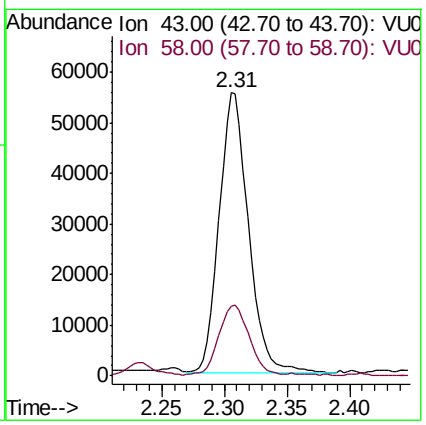


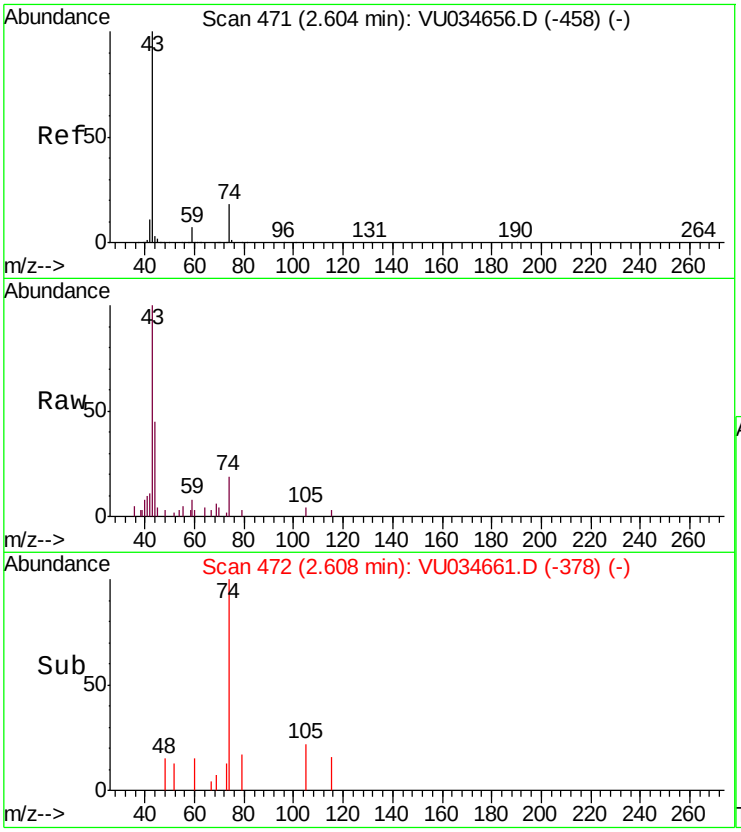


#13
Acetone
Concen: 21.065 ug/L
RT: 2.31 min Scan# 378
Delta R.T. -0.01 min
Lab File: VU034661.D
Acq: 19 Sep 2019 21:03

Tgt Ion: 43 Resp: 90402

Ion	Ratio	Lower	Upper
43	100		
58	26.4	0.0	53.4



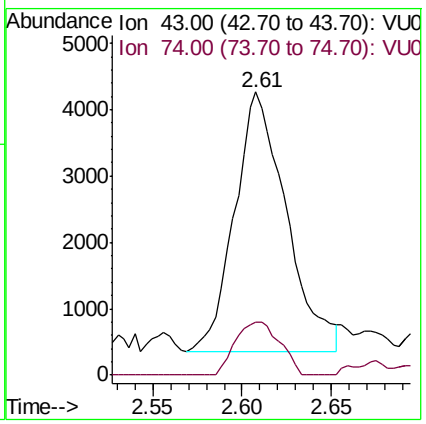


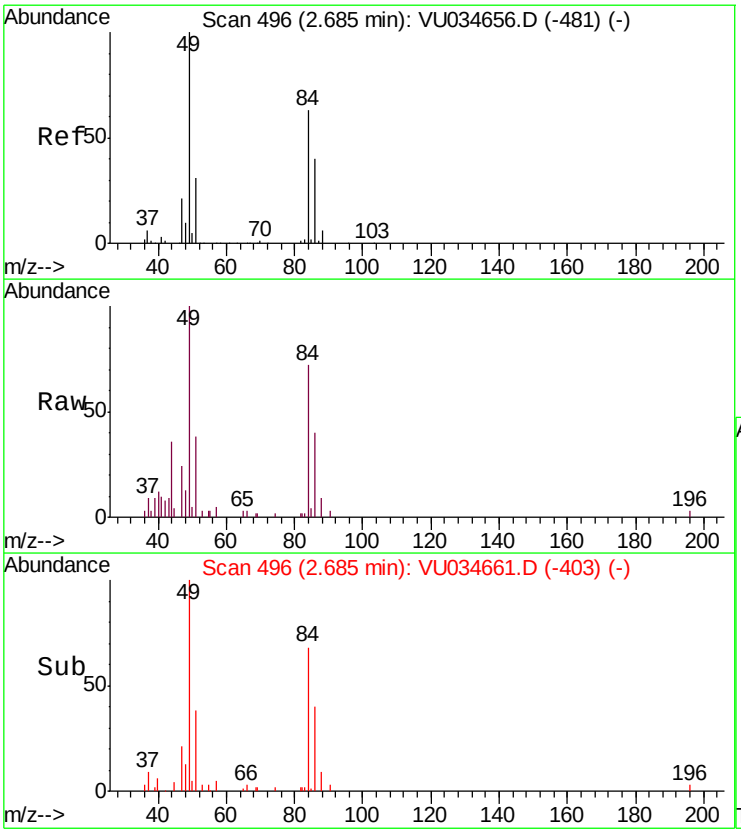
#15
Methyl Acetate
Concen: 1.383 ug/L
RT: 2.61 min Scan# 472
Delta R.T. 0.00 min
Lab File: VU034661.D
Acq: 19 Sep 2019 21:03

Instrument :
MSVOA_U
ClientSampleId :
BFDG2

Tgt Ion: 43 Resp: 7927

Ion	Ratio	Lower	Upper
43	100		
74	17.7	14.4	21.6

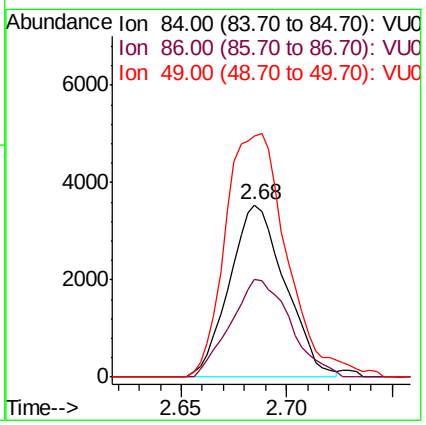


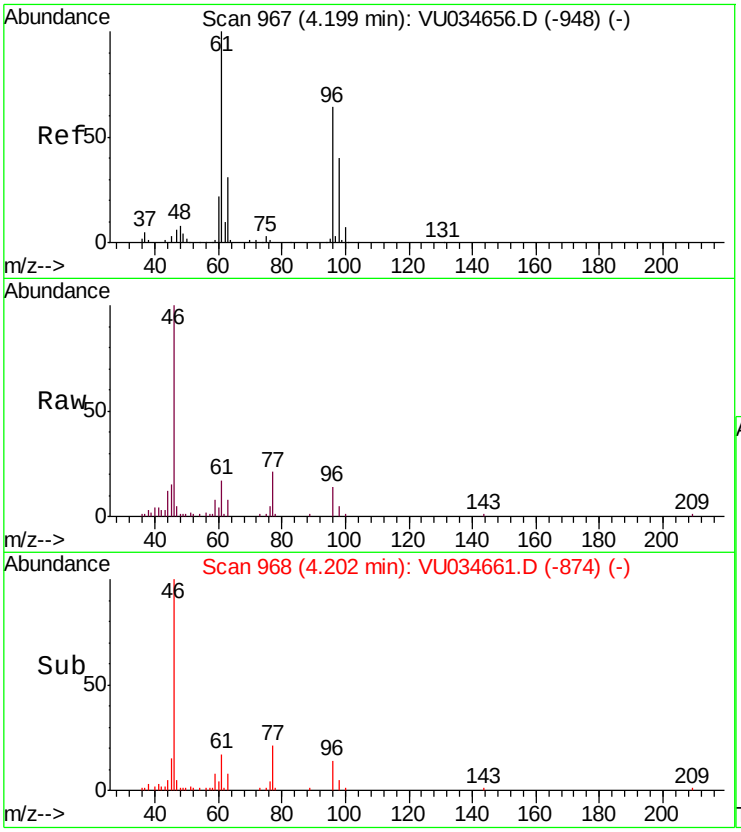


#16
Methylene chloride
Concen: 1.668 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034661.D
Acq: 19 Sep 2019 21:03

Tgt Ion: 84 Resp: 6499

Ion	Ratio	Lower	Upper
84	100		
86	56.4	43.0	80.0
49	139.6	109.7	203.7



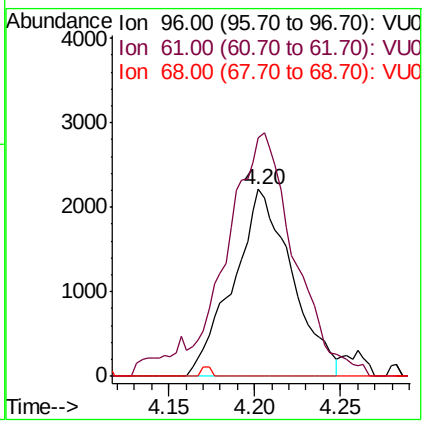


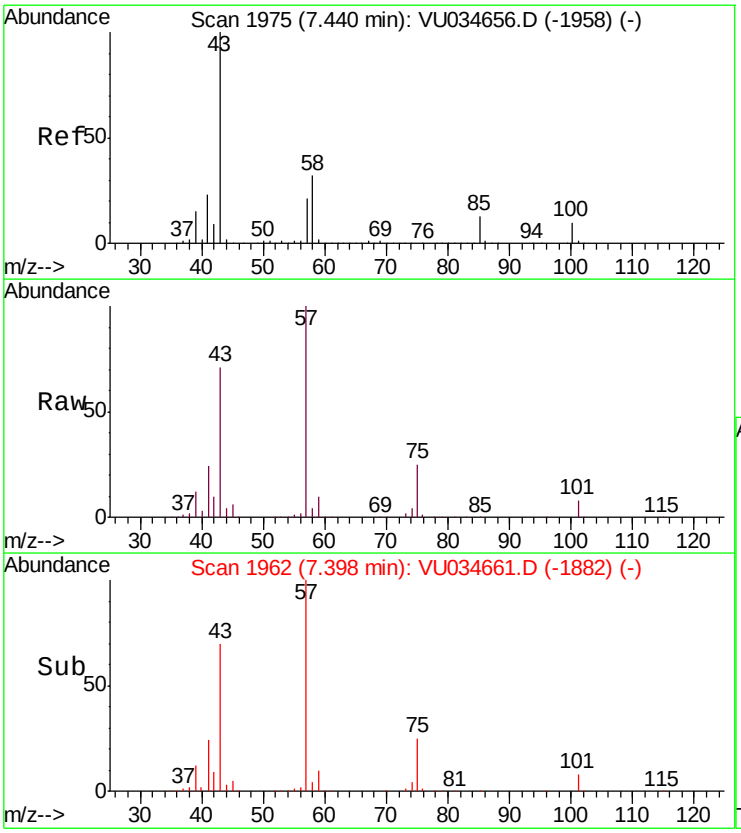
#20
cis-1,2-Dichloroethene
Concen: 1.339 ug/L
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034661.D
Acq: 19 Sep 2019 21:03

Instrument :
MSVOA_U
ClientSampleId :
BFDG2

Tgt Ion: 96 Resp: 5265

Ion	Ratio	Lower	Upper
96	100		
61	127.3	108.8	202.2
68	0.0	0.0	0.0

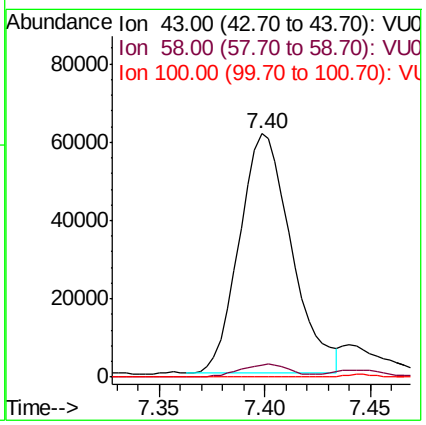


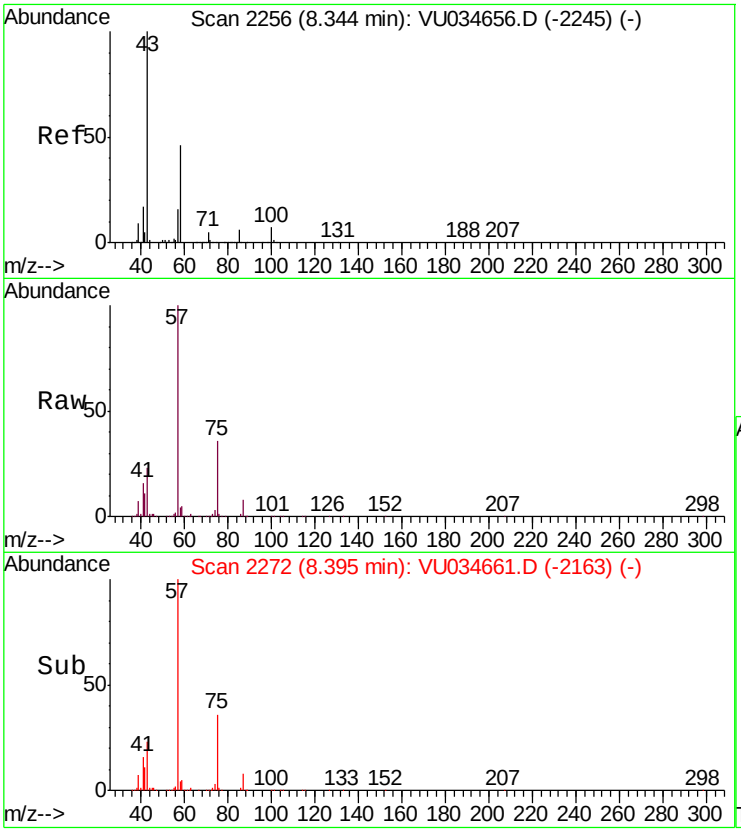


#40
4-Methyl-2-pentanone
Concen: 11.758 ug/L
RT: 7.40 min Scan# 1962
Delta R.T. -0.04 min
Lab File: VU034661.D
Acq: 19 Sep 2019 21:03

Tgt Ion: 43 Resp: 104876

Ion	Ratio	Lower	Upper
43	100		
58	5.3	25.2	37.8#
100	0.0	7.7	11.5#



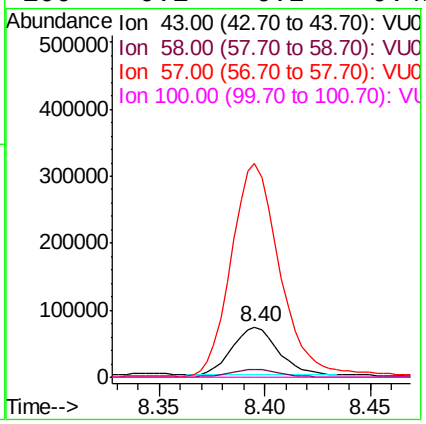


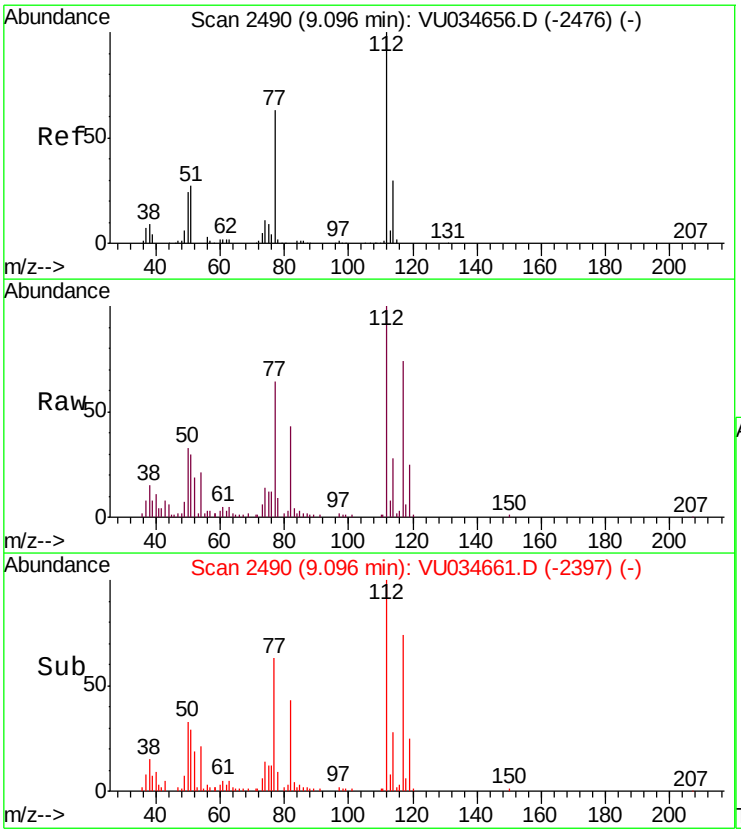
#48
2-Hexanone
Concen: 15.303 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.05 min
Lab File: VU034661.D
Acq: 19 Sep 2019 21:03

Instrument : MSVOA_U
ClientSampleId : BFDG2

Tgt Ion: 43 Resp: 106605

Ion	Ratio	Lower	Upper
43	100		
58	18.7	35.3	52.9#
57	485.5	12.1	18.1#
100	0.1	6.2	9.4#

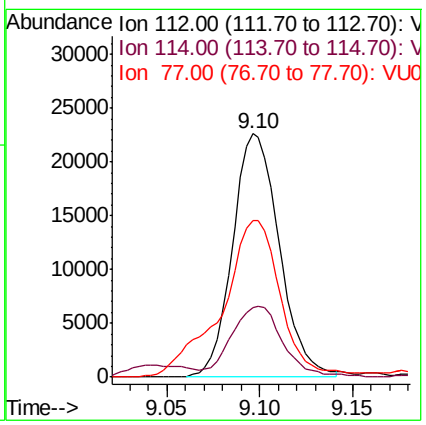


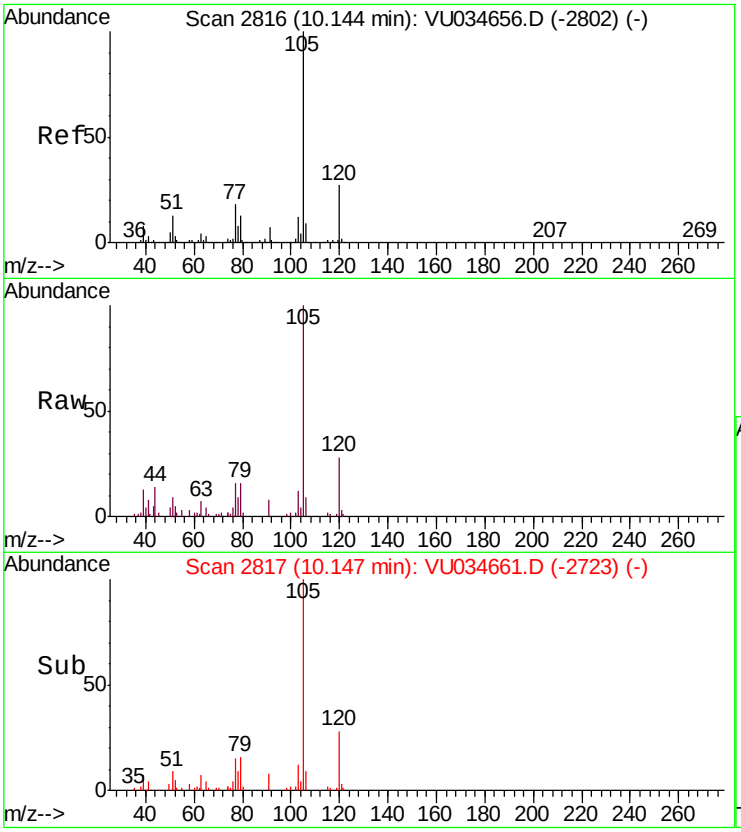


#51
Chlorobenzene
Concen: 3.851 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034661.D
Acq: 19 Sep 2019 21:03

Tgt Ion:112 Resp: 39693

Ion	Ratio	Lower	Upper
112	100		
114	28.4	22.8	42.4
77	64.3	51.5	77.3



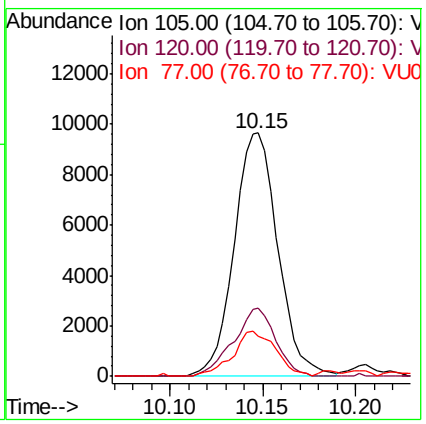


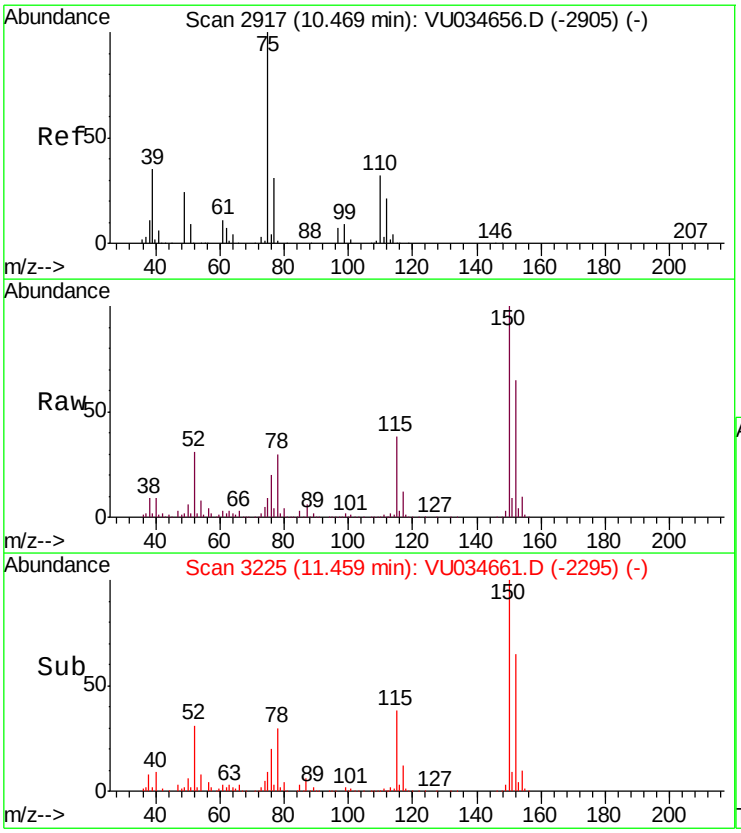
#56
Isopropylbenzene
Concen: 0.875 ug/L
RT: 10.15 min Scan# 2817
Delta R.T. 0.00 min
Lab File: VU034661.D
Acq: 19 Sep 2019 21:03

Instrument : MSVOA_U
ClientSampleId : BFDG2

Tgt Ion:105 Resp: 15779

Ion	Ratio	Lower	Upper
105	100		
120	26.9	20.4	30.6
77	18.3	14.2	21.4

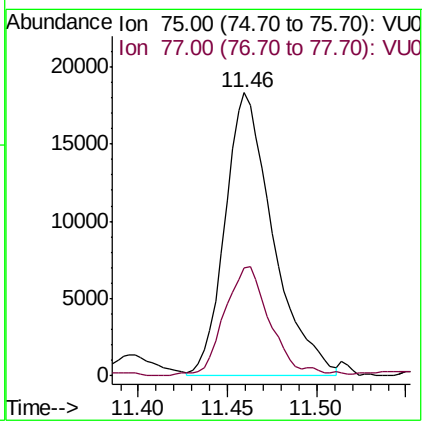


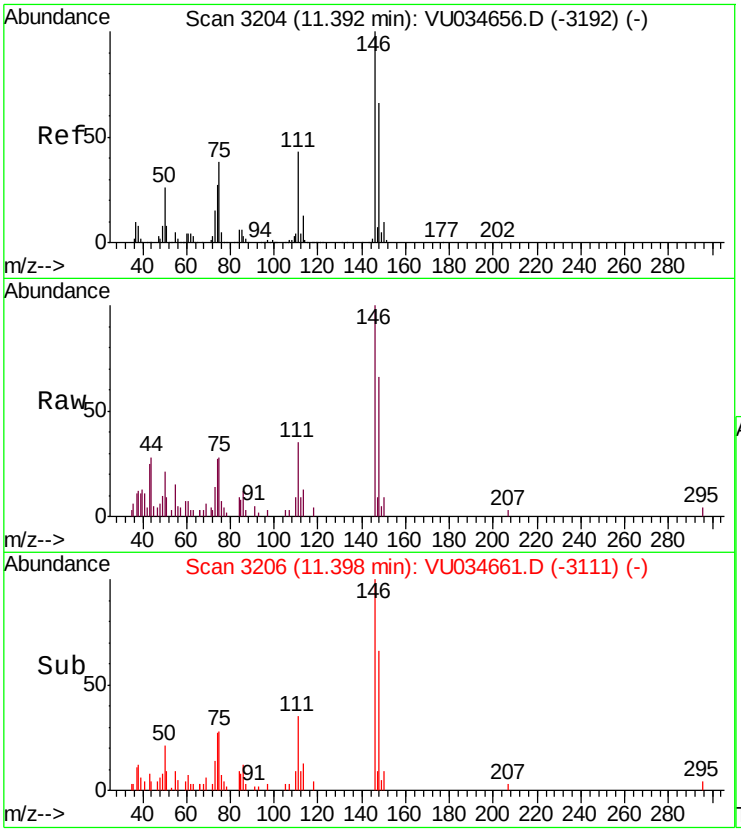


#59
1,2,3-Trichloropropane
Concen: 5.908 ug/L
RT: 11.46 min Scan# 3225
Delta R.T. 0.99 min
Lab File: VU034661.D
Acq: 19 Sep 2019 21:03

Tgt Ion: 75 Resp: 34475

Ion	Ratio	Lower	Upper
75	100		
77	35.1	24.6	37.0



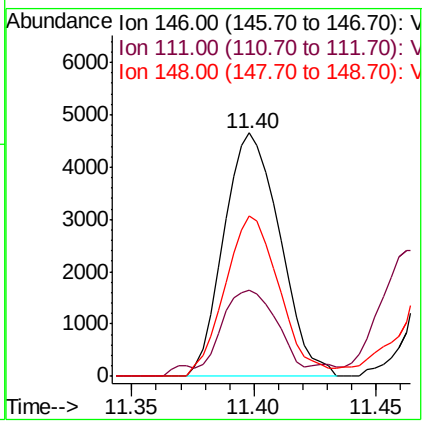


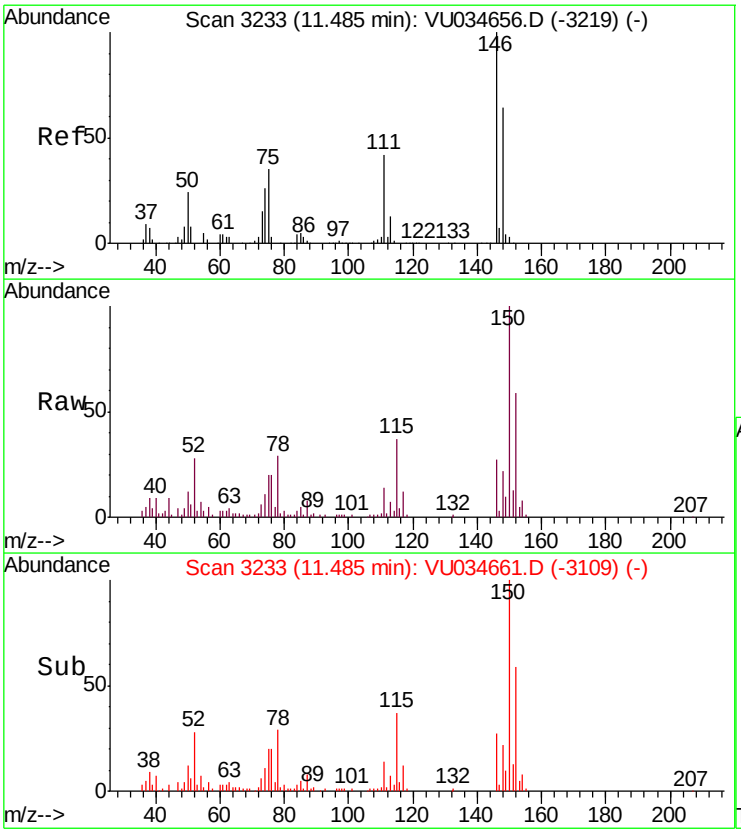
#62
1,3-Dichlorobenzene
Concen: 1.067 ug/L
RT: 11.40 min Scan# 3206
Delta R.T. 0.01 min
Lab File: VU034661.D
Acq: 19 Sep 2019 21:03

Instrument : MSVOA_U
ClientSampleId : BFDG2

Tgt Ion:146 Resp: 7434

Ion	Ratio	Lower	Upper
146	100		
111	35.5	30.4	56.5
148	65.6	46.1	85.7

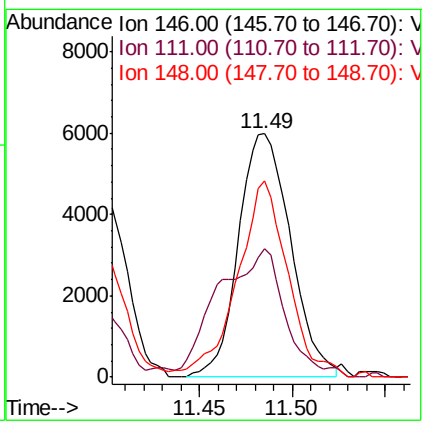


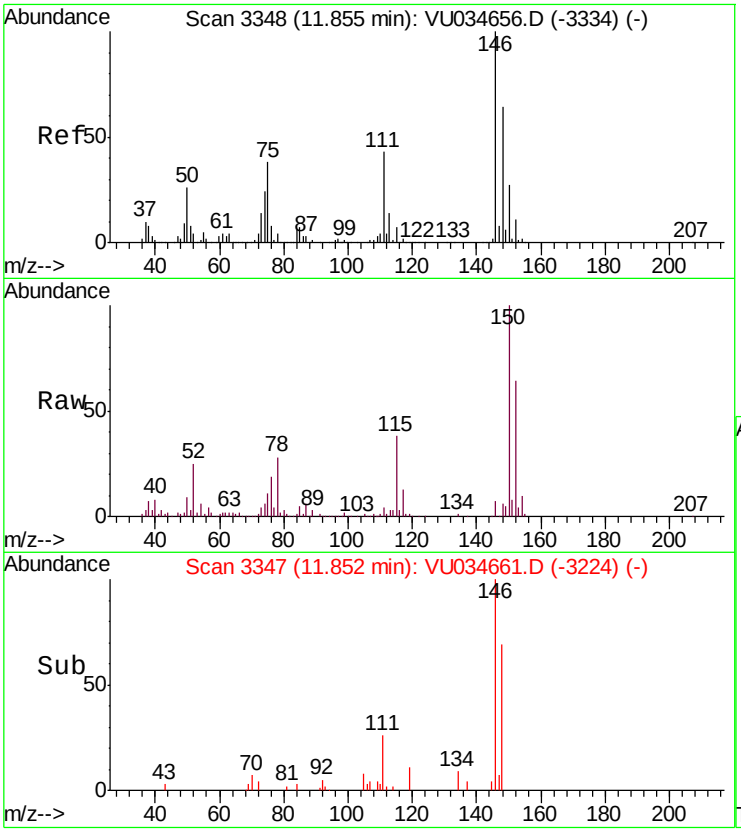


#63
1,4-Dichlorobenzene
Concen: 1.648 ug/L
RT: 11.49 min Scan# 3233
Delta R.T. -0.00 min
Lab File: VU034661.D
Acq: 19 Sep 2019 21:03

Tgt Ion:146 Resp: 11703

Ion	Ratio	Lower	Upper
146	100		
111	52.8	29.5	54.9
148	80.7	44.4	82.4



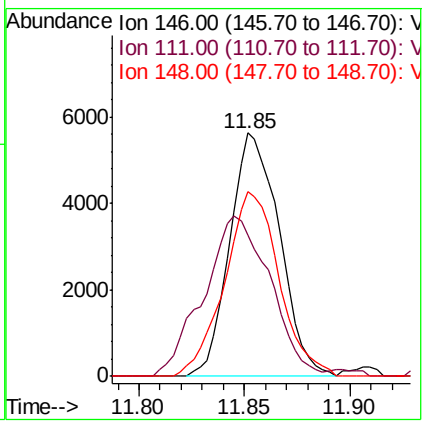


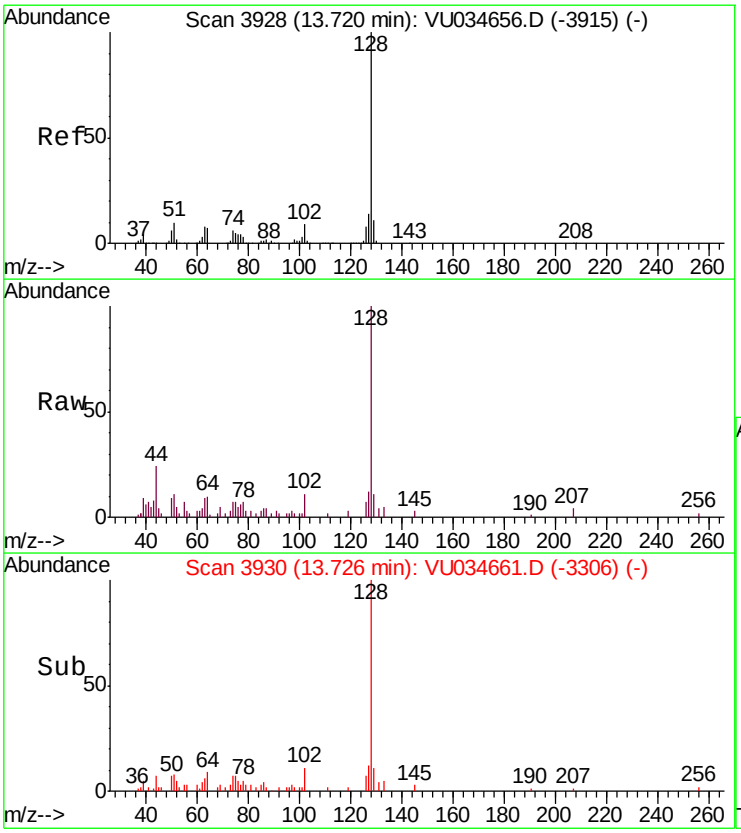
#65
1,2-Dichlorobenzene
Concen: 1.306 ug/L
RT: 11.85 min Scan# 3347
Delta R.T. -0.00 min
Lab File: VU034661.D
Acq: 19 Sep 2019 21:03

Instrument : MSVOA_U
ClientSampleId : BFDG2

Tgt Ion:146 Resp: 9195

Ion	Ratio	Lower	Upper
146	100		
111	57.8	35.2	52.8#
148	76.1	53.0	79.6





#69
Naphthalene
Concen: 1.340 ug/L
RT: 13.73 min Scan# 3930
Delta R.T. 0.01 min
Lab File: VU034661.D
Acq: 19 Sep 2019 21:03

Tgt Ion:128 Resp: 17035

Ion	Ratio	Lower	Upper
128	100		
127	5.6	10.8	16.2#
129	8.2	8.6	12.8#