Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102619\
Data File : VU035519.D
Acq On : 26 Oct 2019 15:34
Operator : JC/SP
Sample : K5537-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId :

Quant Time: Oct 30 02:29:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102619WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 30 02:26:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	646228	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	613183	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	263946	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.62	65	223273	43.81	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 87.62%			
7) Chloroethane-d5	1.93	69	188823	44.61	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.22%			
11) 1,1-Dichloroethene-d2	2.59	63	283282	33.27	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 66.54%			
21) 2-Butanone-d5	4.69	46	364885	108.52	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 108.52%			
24) Chloroform-d	5.11	84	370145	43.87	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 87.74%			
26) 1,2-Dichloroethane-d4	5.75	65	244728	45.88	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.76%			
32) Benzene-d6	5.77	84	789083	48.18	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.36%			
36) 1,2-Dichloropropane-d6	6.73	67	258013	48.27	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 96.54%			
41) Toluene-d8	7.93	98	712173	47.55	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.10%			
43) trans-1,3-Dichloropropene-	8.21	79	121690	48.62	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 97.24%			
47) 2-Hexanone-d5	8.68	63	257448	130.37	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 130.37%#			
57) 1,1,2,2-Tetrachloroethane-	10.78	84	348967	46.38	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 92.76%			
64) 1,2-Dichlorobenzene-d4	12.22	152	249479	48.53	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.06%			
Target Compounds						Qvalue
13) Acetone	2.67	43	71329	21.172	ug/L	99
15) Methyl Acetate	2.99	43	7589	1.371	ug/L #	69
16) Methylene chloride	3.09	84	19674	3.866	ug/L	98
20) cis-1,2-Dichloroethene	4.72	96	39211	7.975	ug/L	93
22) 2-Butanone	4.77	43	23461	5.565	ug/L	99
29) Cyclohexane	5.43	56	26140	3.763	ug/L	95
33) Benzene	5.82	78	285699	15.448	ug/L	100
35) Methylcyclohexane	6.80	83	25368	4.016	ug/L	92
40) 4-Methyl-2-pentanone	7.84	43	16185	2.348	ug/L	96
42) Toluene	8.01	91	1772895	92.951	ug/L	99
51) Chlorobenzene	9.48	112	31364	2.531	ug/L	93
52) Ethylbenzene	9.60	91	835222	41.102	ug/L	99
53) m,p-Xylene	9.72	106	883972	117.360	ug/L	100
54) o-xylene	10.13	106	675824	91.694	ug/L	100
55) Styrene	10.13	104	39465	3.281	ug/L #	1
56) Isopropylbenzene	10.51	105	64592	3.483	ug/L	98
59) 1,2,3-Trichloropropane	11.84	75	36249	5.579	ug/L	95

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102619\
Data File : VU035519.D
Acq On : 26 Oct 2019 15:34
Operator : JC/SP
Sample : K5537-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId :

Quant Time: Oct 30 02:29:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102619WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 30 02:26:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
63) 1,4-Dichlorobenzene	11.86	146	8538	0.996	ug/L		96
65) 1,2-Dichlorobenzene	12.24	146	62565	7.294	ug/L		96
68) 1,2,4-trichlorobenzene	13.86	180	4176	1.545	ug/L	#	87
69) Naphthalene	14.11	128	405009	53.864	ug/L		99
70) 1,2,3-Trichlorobenzene	14.35	180	3855	1.380	ug/L	#	78

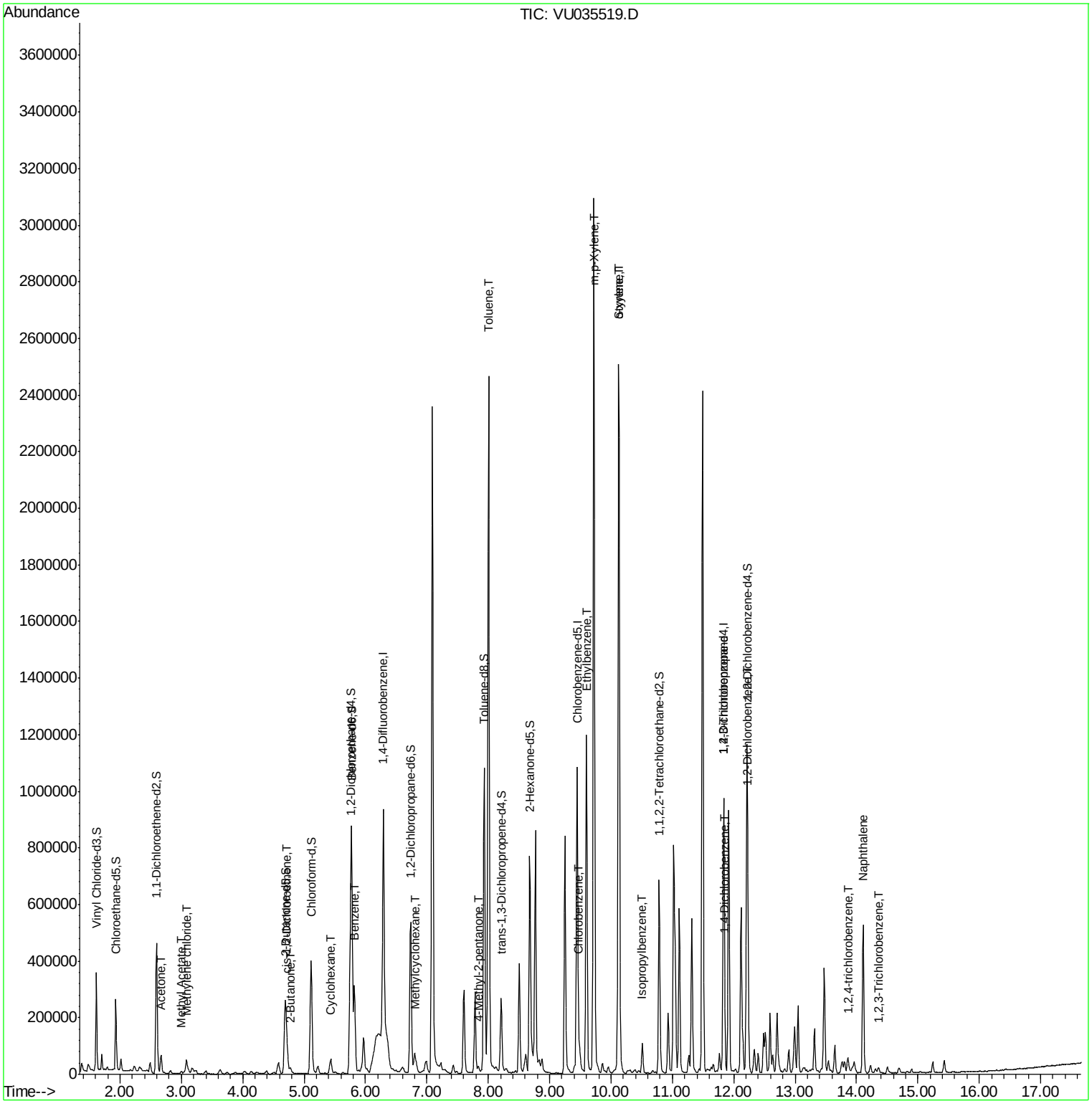
(#) = qualifier out of range (m) = manual integration (+) = signals summed

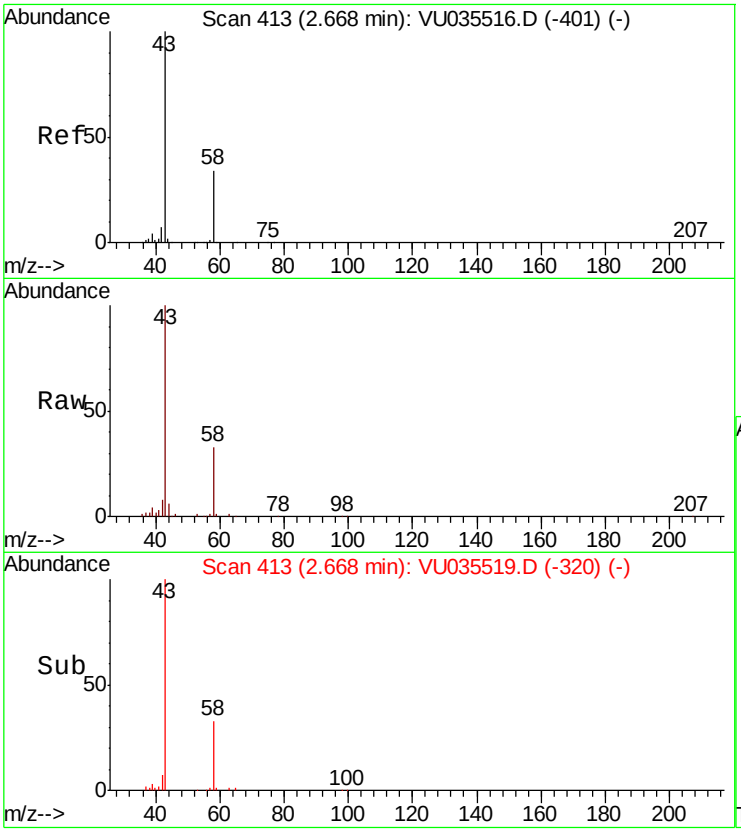
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102619\
Data File : VU035519.D
Acq On : 26 Oct 2019 15:34
Operator : JC/SP
Sample : K5537-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Oct 30 02:29:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102619WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 30 02:26:55 2019
Response via : Initial Calibration



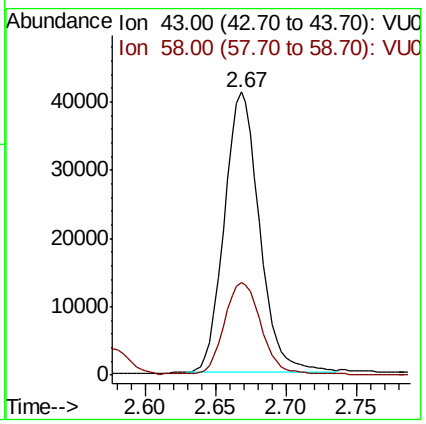


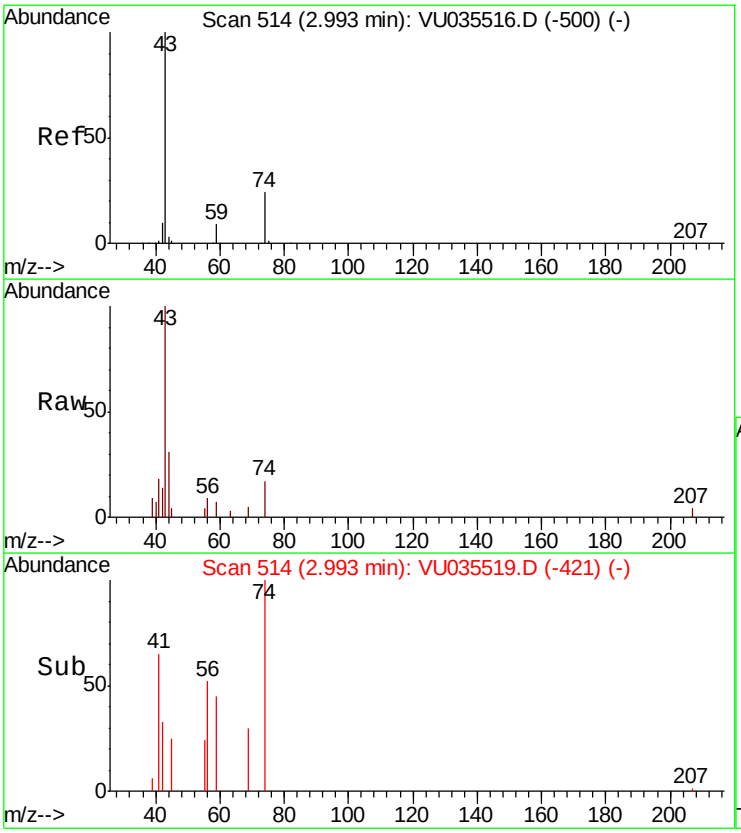
#13
Acetone
Concen: 21.172 ug/L
RT: 2.67 min Scan# 413
Delta R.T. -0.00 min
Lab File: VU035519.D
Acq: 26 Oct 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 71329

Ion	Ratio	Lower	Upper
43	100		
58	33.7	0.0	66.6

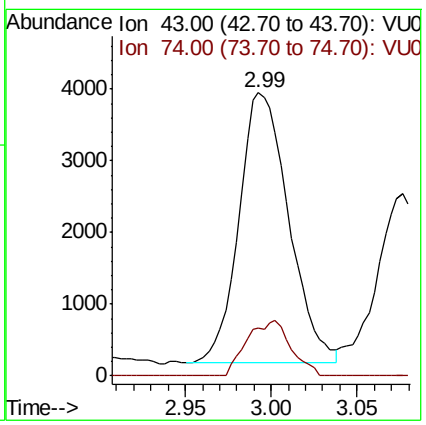


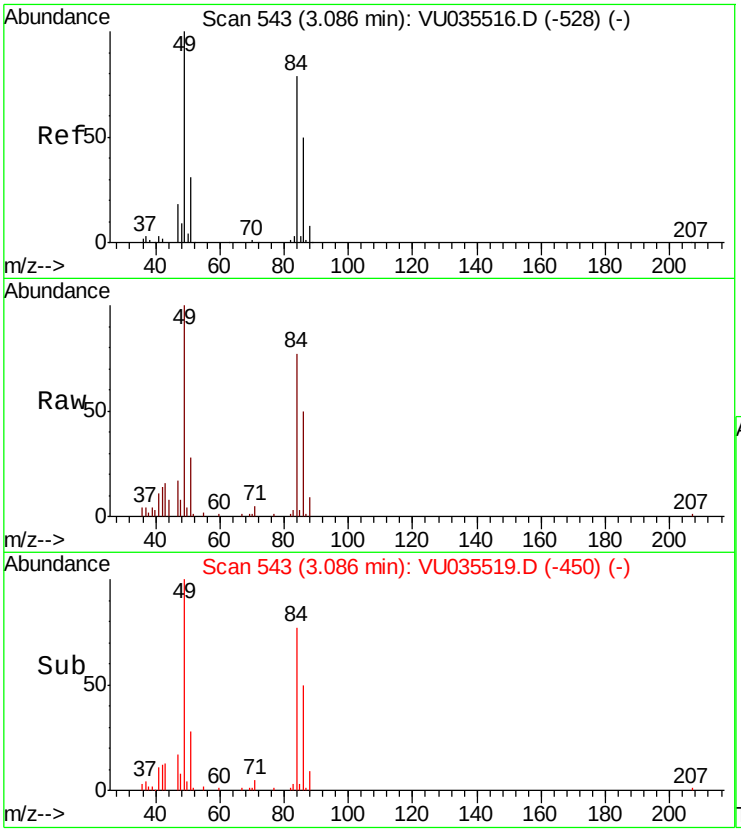


#15
Methyl Acetate
Concen: 1.371 ug/L
RT: 2.99 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU035519.D
Acq: 26 Oct 2019 15:34

Tgt Ion: 43 Resp: 7589

Ion	Ratio	Lower	Upper
43	100		
74	8.4	19.0	28.6#



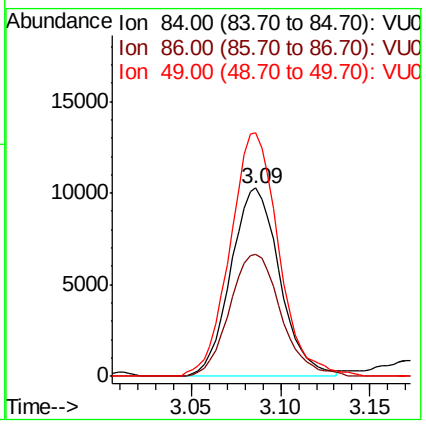


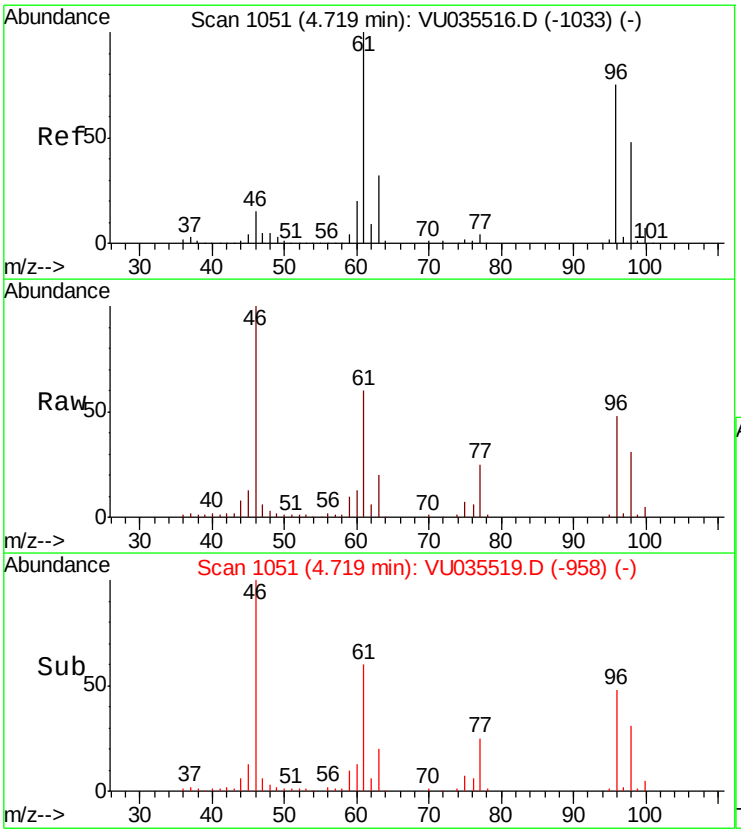
#16
Methylene chloride
Concen: 3.866 ug/L
RT: 3.09 min Scan# 543
Delta R.T. -0.00 min
Lab File: VU035519.D
Acq: 26 Oct 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 84 Resp: 19674

Ion	Ratio	Lower	Upper
84	100		
86	64.7	45.5	84.5
49	129.4	88.3	163.9

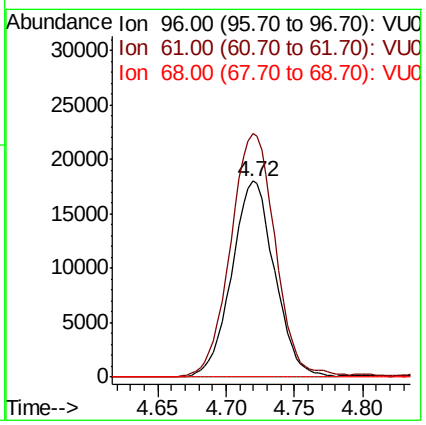


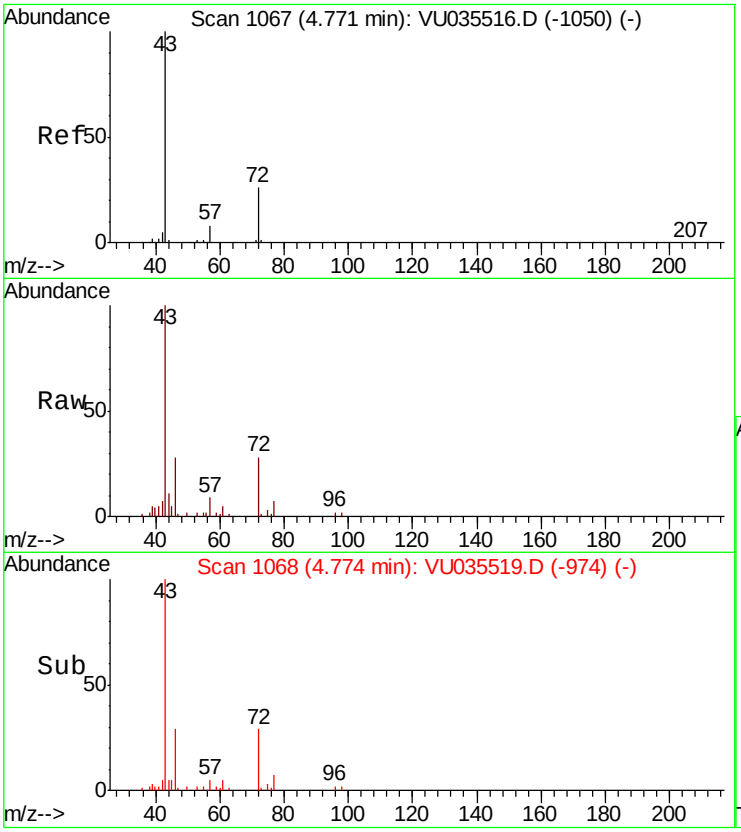


#20
cis-1,2-Dichloroethene
Concen: 7.975 ug/L
RT: 4.72 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VU035519.D
Acq: 26 Oct 2019 15:34

Tgt Ion: 96 Resp: 39211

Ion	Ratio	Lower	Upper
96	100		
61	124.4	93.0	172.8
68	0.0	0.0	0.0



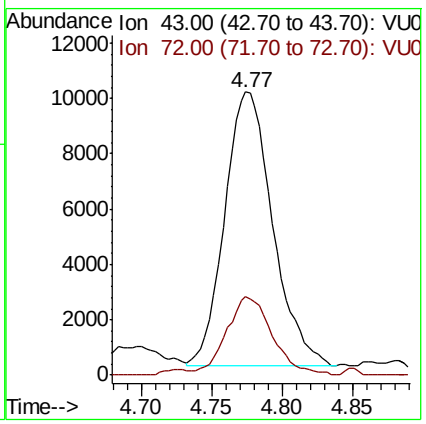


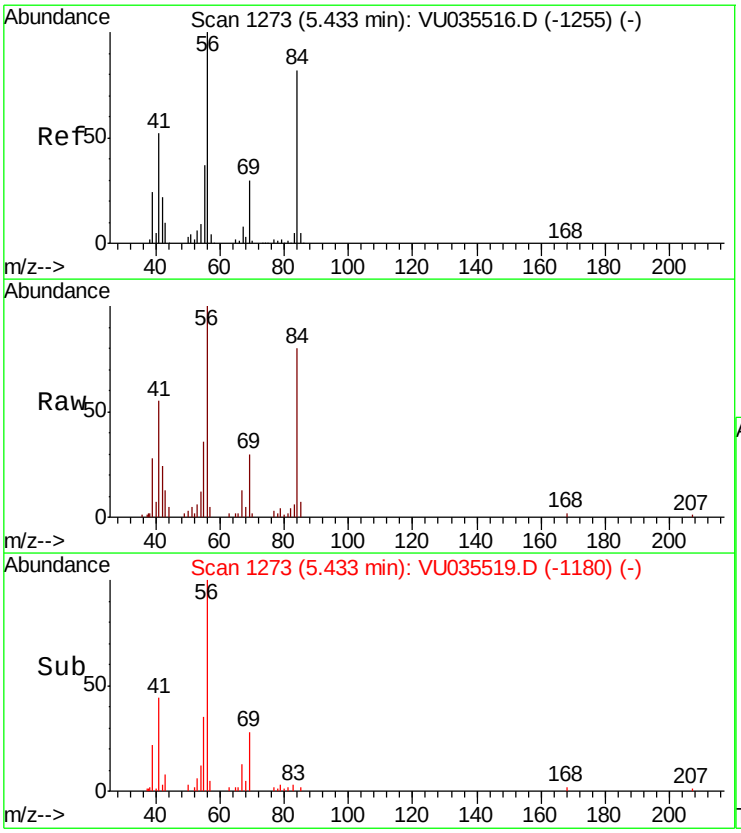
#22
2-Butanone
Concen: 5.565 ug/L
RT: 4.77 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU035519.D
Acq: 26 Oct 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 23461

Ion	Ratio	Lower	Upper
43	100		
72	27.4	13.4	40.1

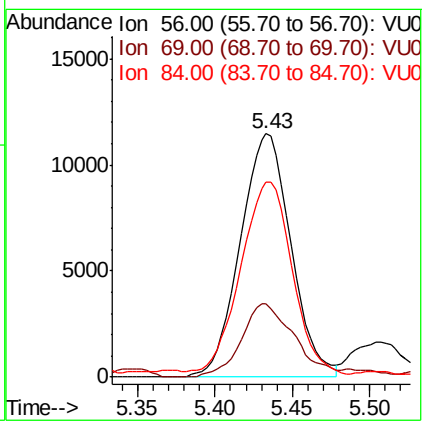


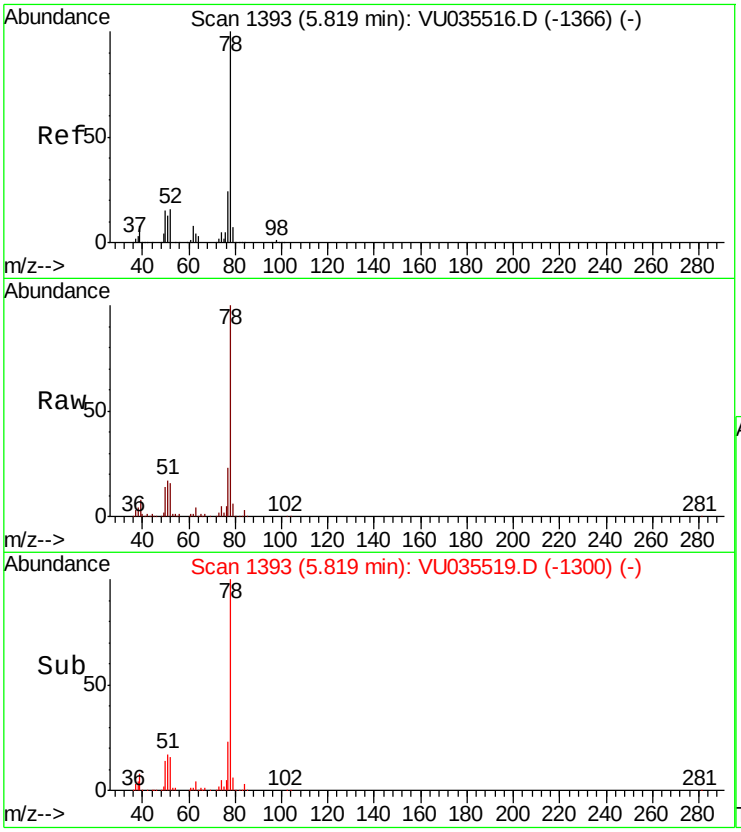


#29
Cyclohexane
Concen: 3.763 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VU035519.D
Acq: 26 Oct 2019 15:34

Tgt Ion: 56 Resp: 26140

Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.7	35.5
84	79.8	67.7	101.5

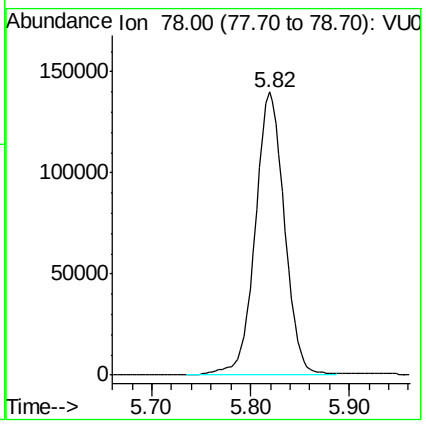


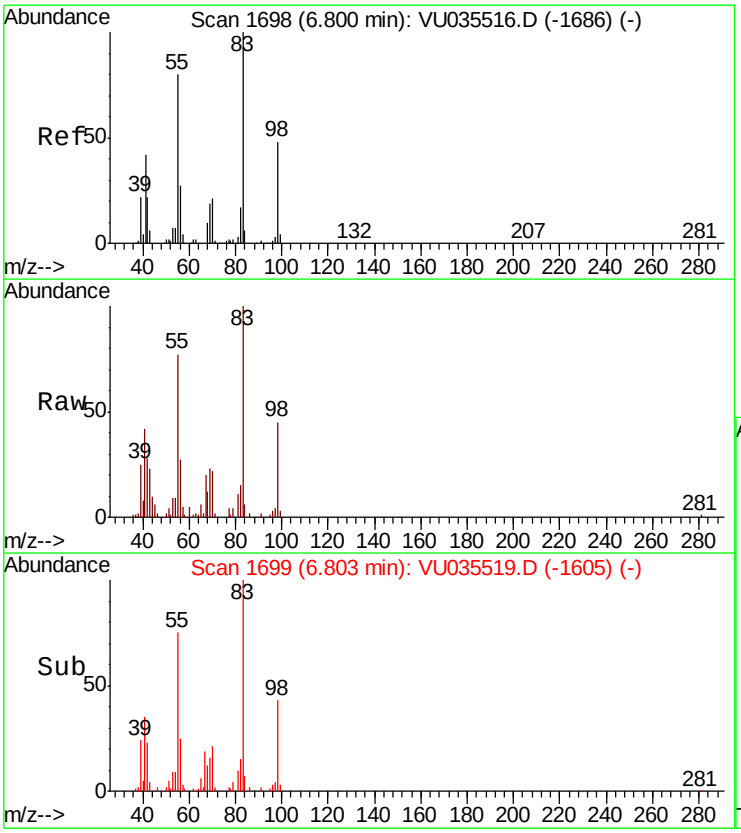


#33
Benzene
Concen: 15.448 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VU035519.D
Acq: 26 Oct 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 78 Resp: 285699

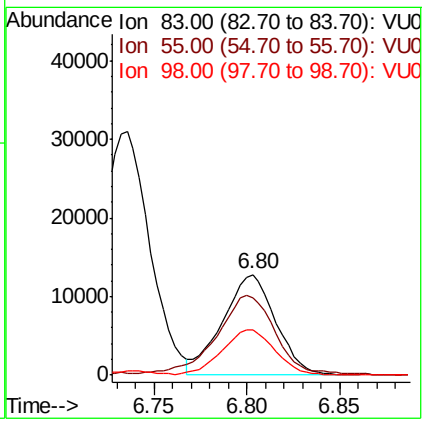


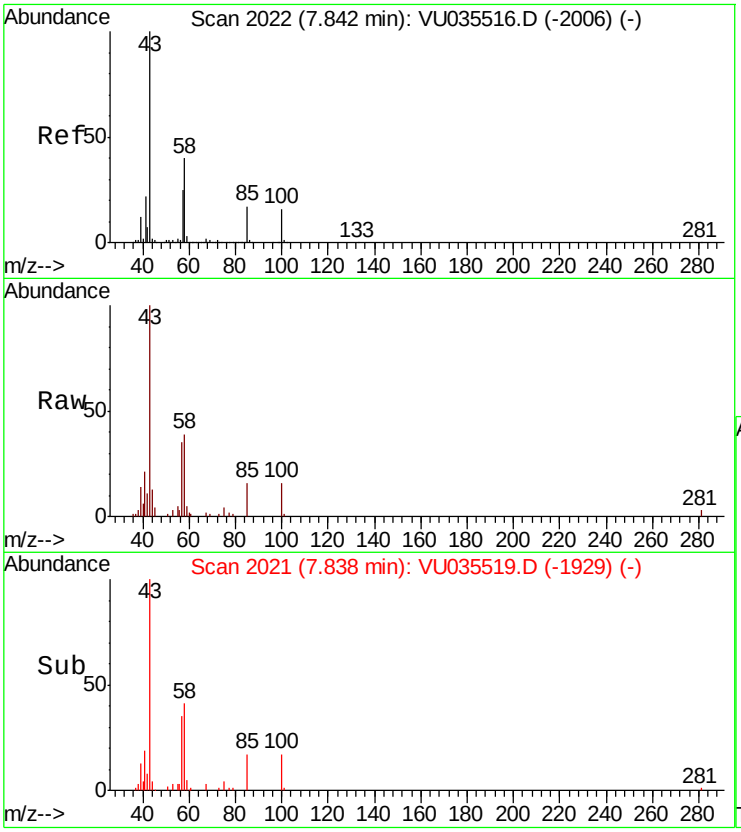


#35
Methylcyclohexane
Concen: 4.016 ug/L
RT: 6.80 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VU035519.D
Acq: 26 Oct 2019 15:34

Tgt Ion: 83 Resp: 25368

Ion	Ratio	Lower	Upper
83	100		
55	89.1	65.1	97.7
98	44.7	38.9	58.3



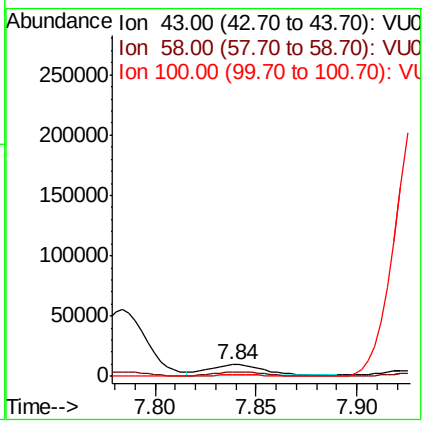


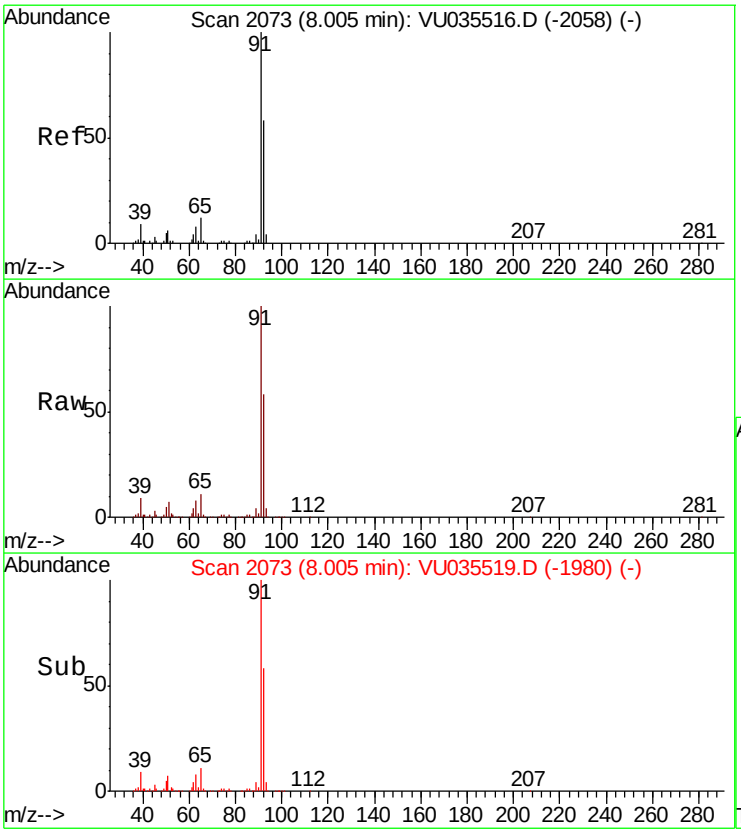
#40
4-Methyl-2-pentanone
Concen: 2.348 ug/L
RT: 7.84 min Scan# 2021
Delta R.T. -0.00 min
Lab File: VU035519.D
Acq: 26 Oct 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 16185

Ion	Ratio	Lower	Upper
43	100		
58	42.9	31.9	47.9
100	15.7	12.3	18.5

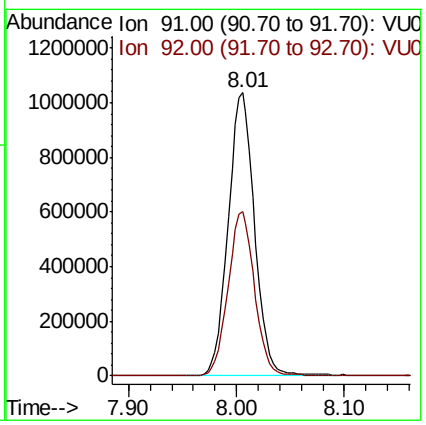


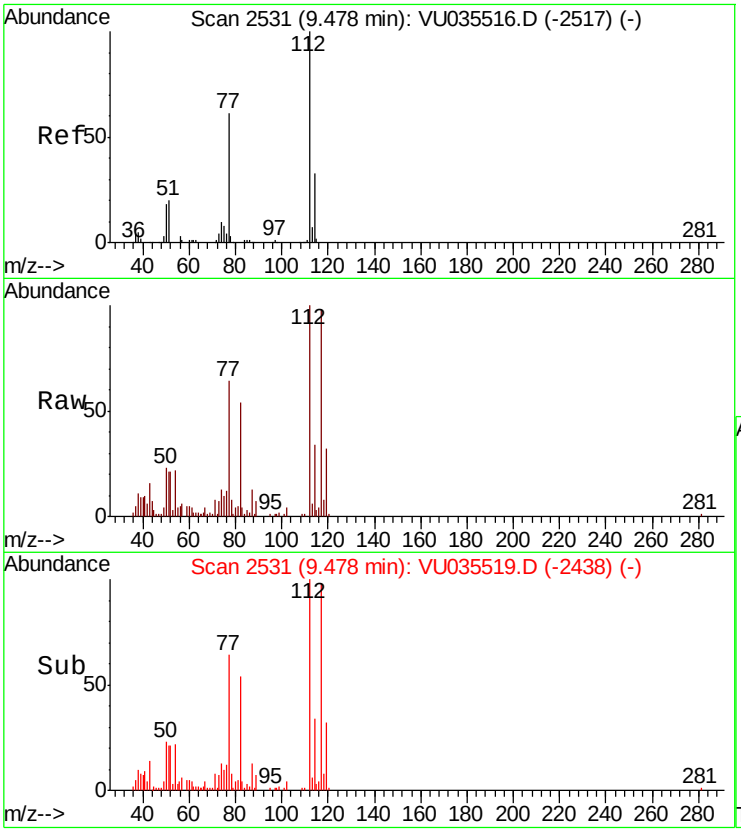


#42
Toluene
Concen: 92.951 ug/L
RT: 8.01 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VU035519.D
Acq: 26 Oct 2019 15:34

Tgt Ion: 91 Resp: 1772895

Ion	Ratio	Lower	Upper
91	100		
92	58.0	41.0	76.2



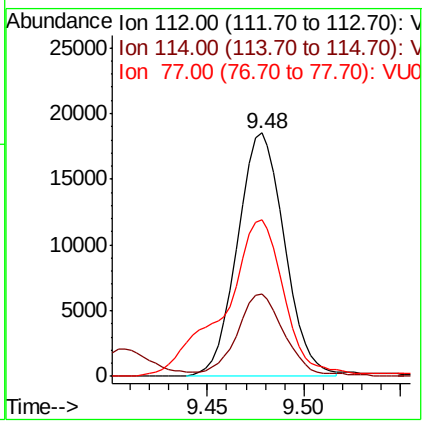


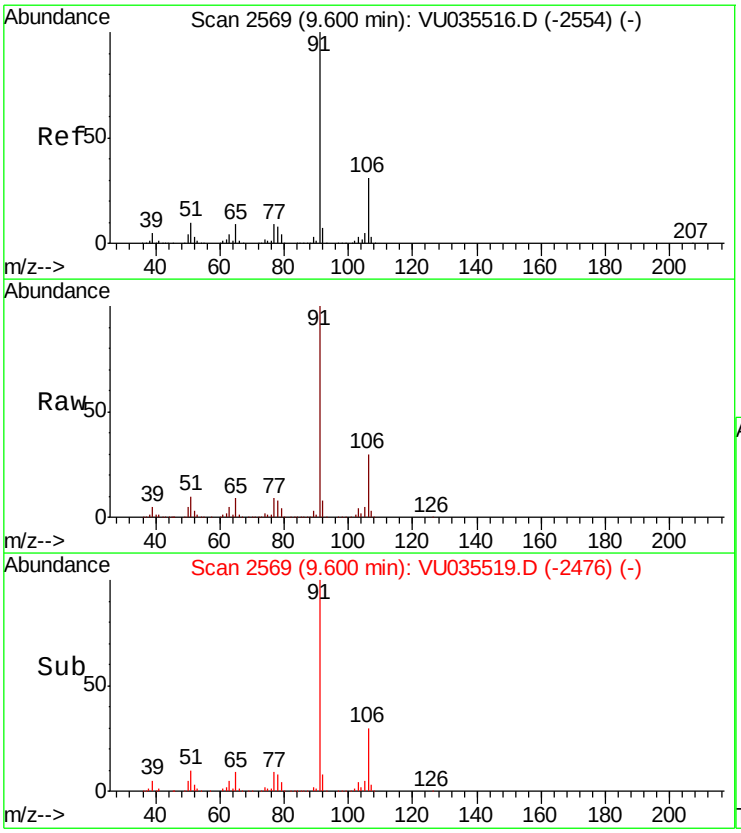
#51
Chlorobenzene
Concen: 2.531 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035519.D
Acq: 26 Oct 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:112 Resp: 31364

Ion	Ratio	Lower	Upper
112	100		
114	33.9	22.1	41.1
77	64.3	46.7	70.1

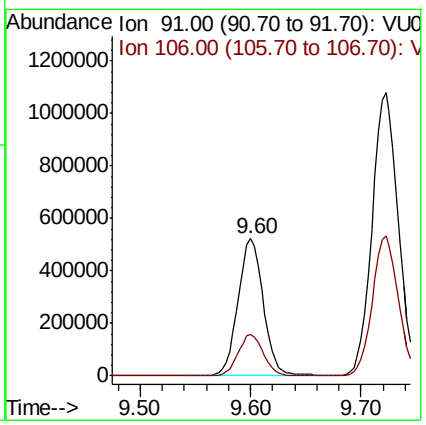


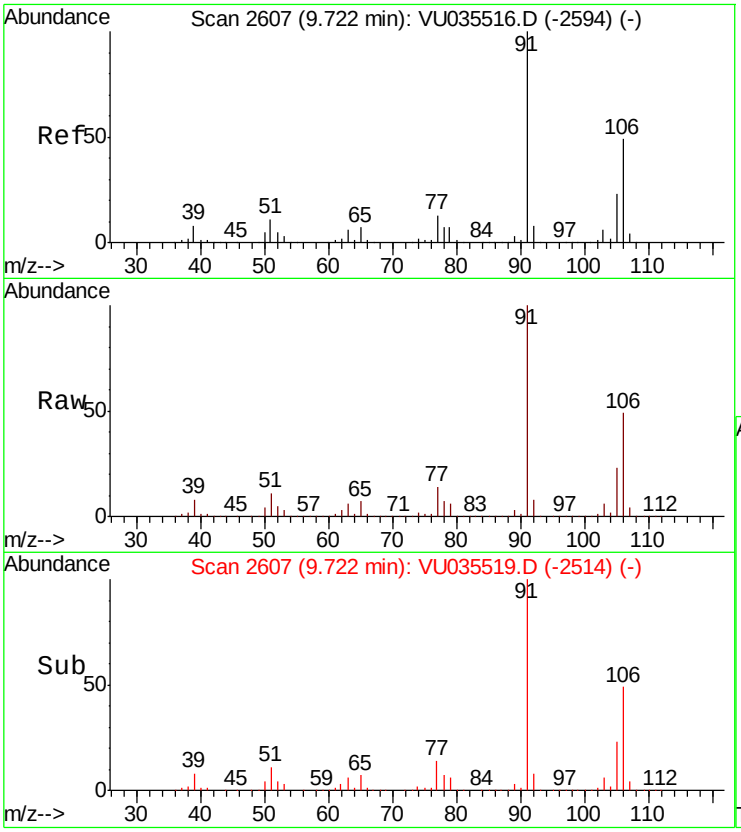


#52
Ethylbenzene
Concen: 41.102 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU035519.D
Acq: 26 Oct 2019 15:34

Tgt Ion: 91 Resp: 835222

Ion	Ratio	Lower	Upper
91	100		
106	30.2	21.6	40.0



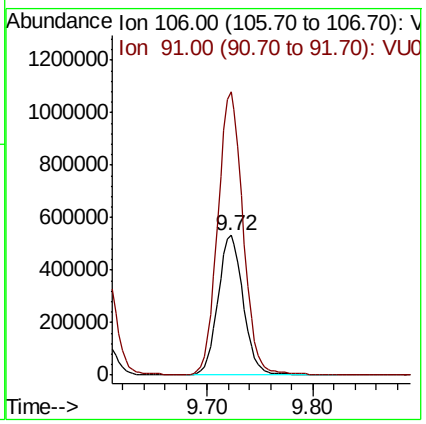


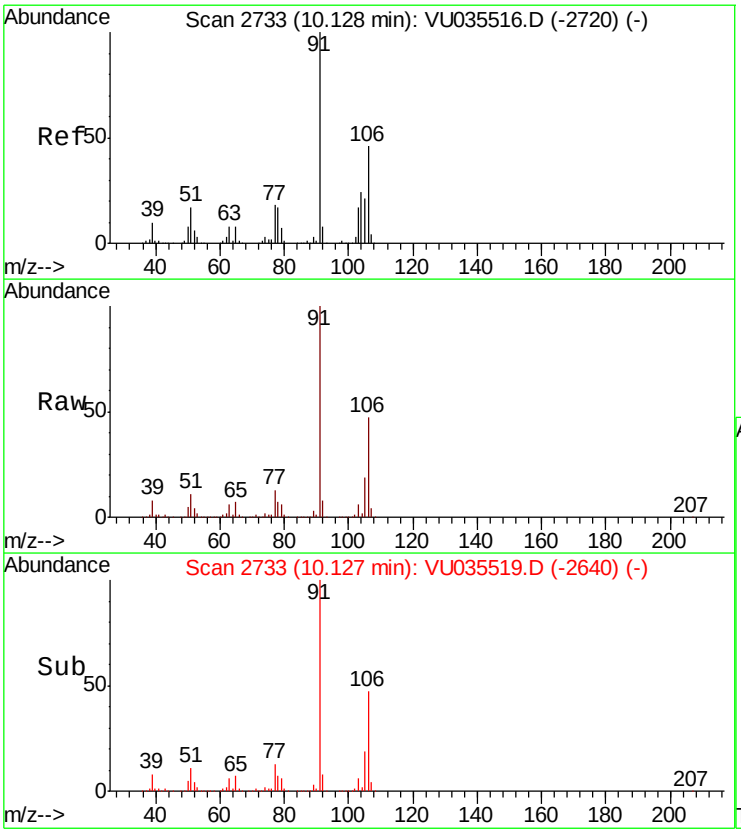
#53
m,p-Xylene
Concen: 117.360 ug/L
RT: 9.72 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VU035519.D
Acq: 26 Oct 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:106 Resp: 883972

Ion	Ratio	Lower	Upper
106	100		
91	202.3	141.7	263.3

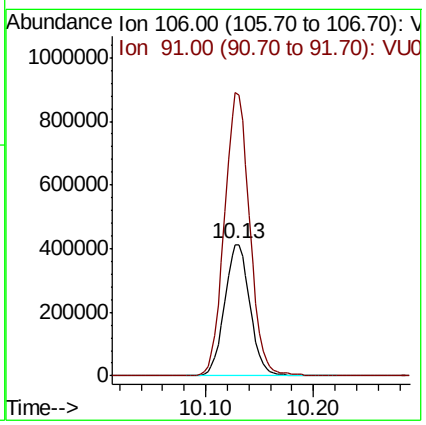


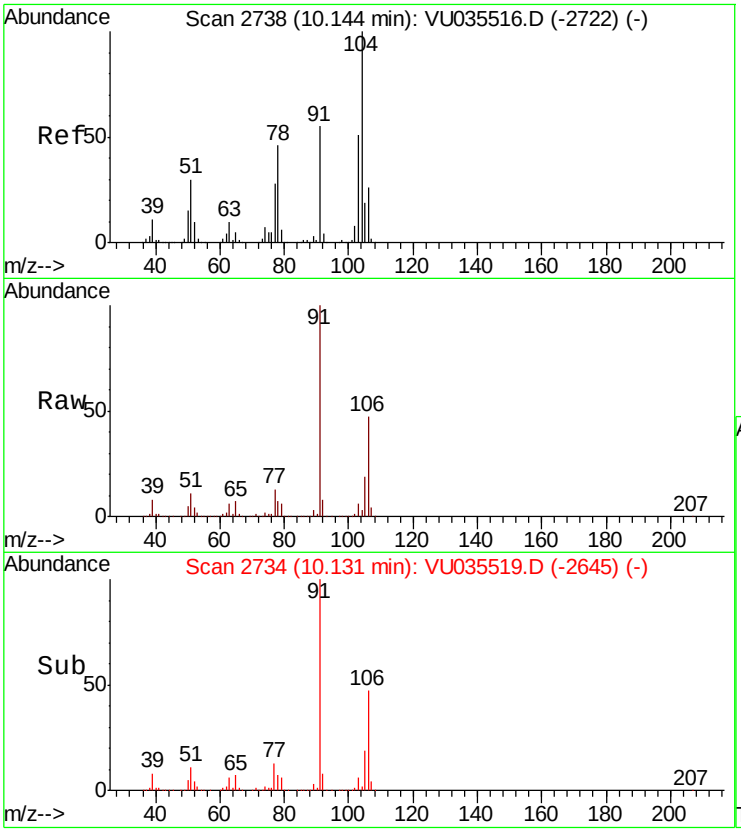


#54
o-xylene
Concen: 91.694 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU035519.D
Acq: 26 Oct 2019 15:34

Tgt Ion:106 Resp: 675824

Ion	Ratio	Lower	Upper
106	100		
91	214.9	150.3	279.1



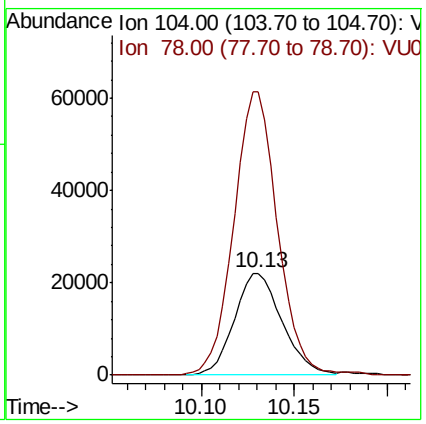


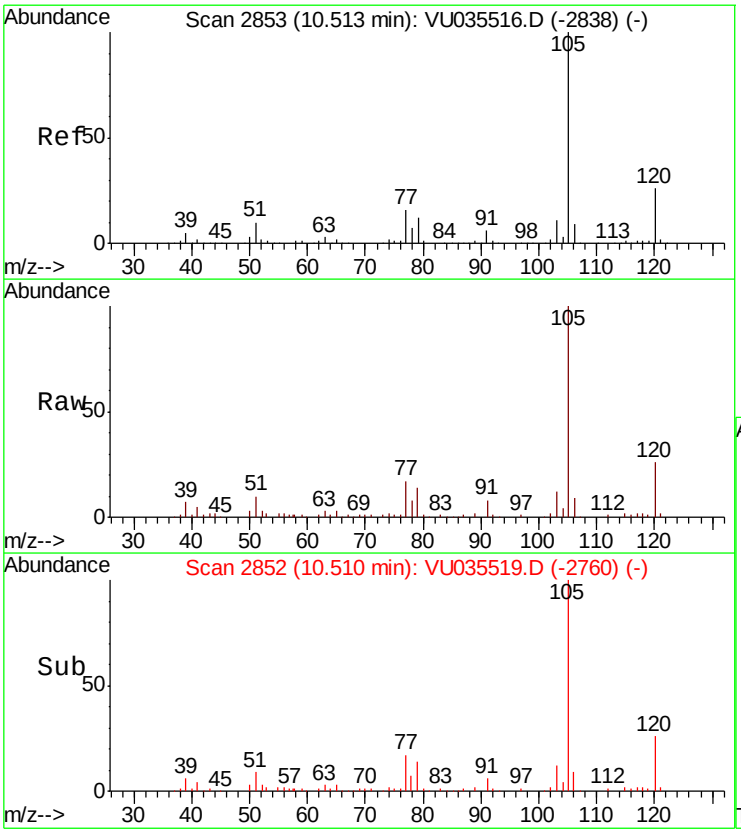
#55
Stvrene
Concen: 3.281 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.01 min
Lab File: VU035519.D
Acq: 26 Oct 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:104 Resp: 39465

Ion	Ratio	Lower	Upper
104	100		
78	277.1	32.3	59.9#

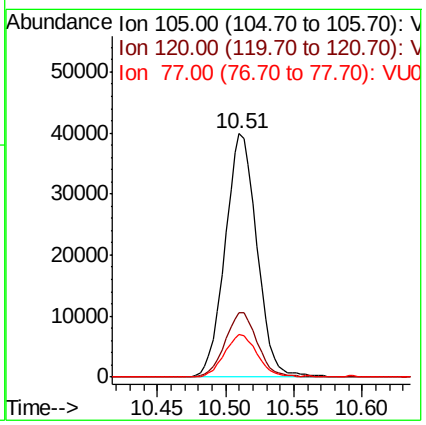


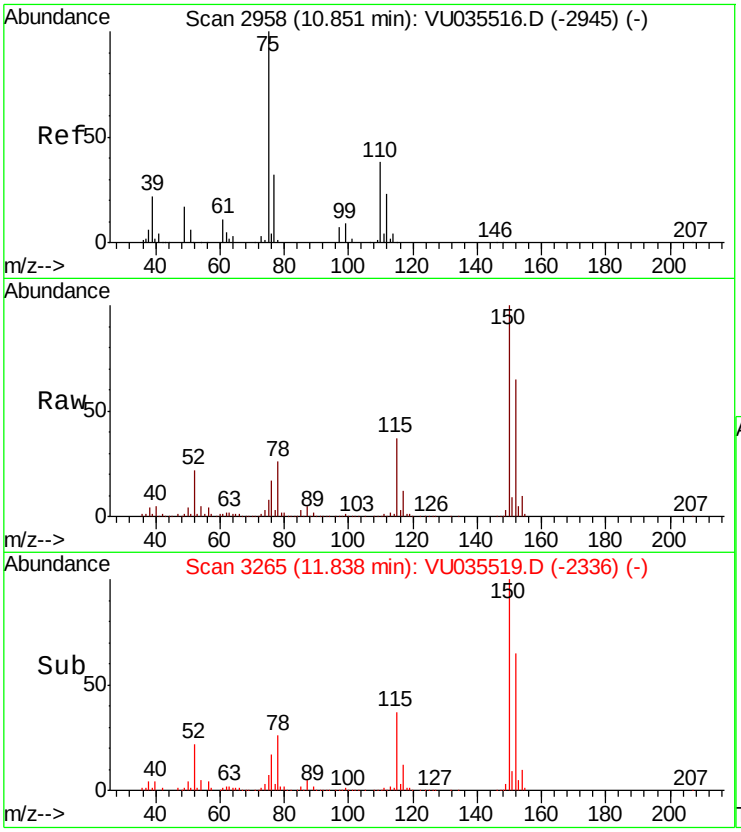


#56
Isopropylbenzene
Concen: 3.483 ug/L
RT: 10.51 min Scan# 2852
Delta R.T. -0.00 min
Lab File: VU035519.D
Acq: 26 Oct 2019 15:34

Tgt Ion:105 Resp: 64592

Ion	Ratio	Lower	Upper
105	100		
120	26.8	21.0	31.4
77	17.2	12.8	19.2



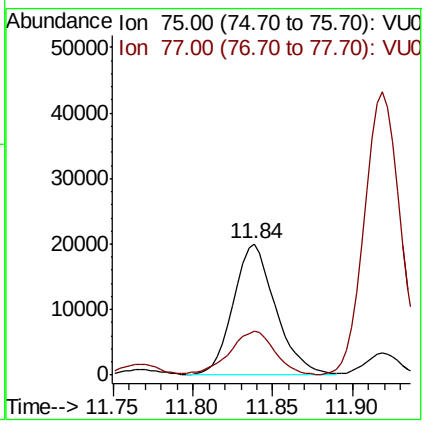


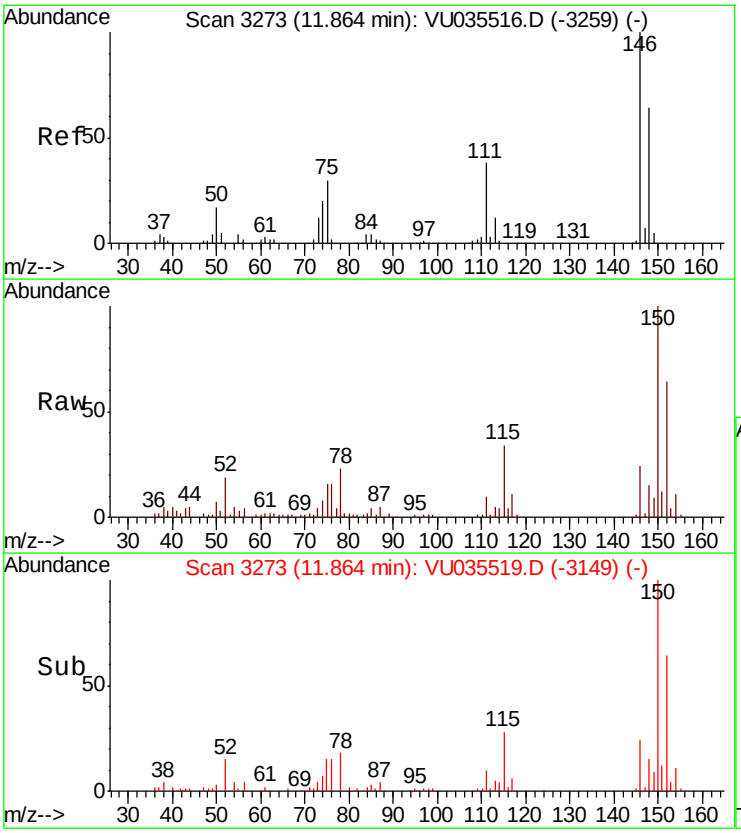
#59
1,2,3-Trichloropropane
Concen: 5.579 ug/L
RT: 11.84 min Scan# 3265
Delta R.T. 0.99 min
Lab File: VU035519.D
Acq: 26 Oct 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 36249

Ion	Ratio	Lower	Upper
75	100		
77	34.6	25.4	38.2

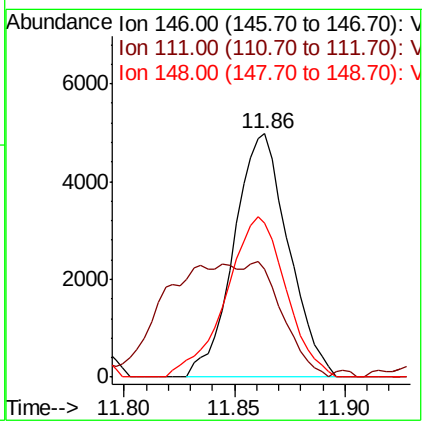


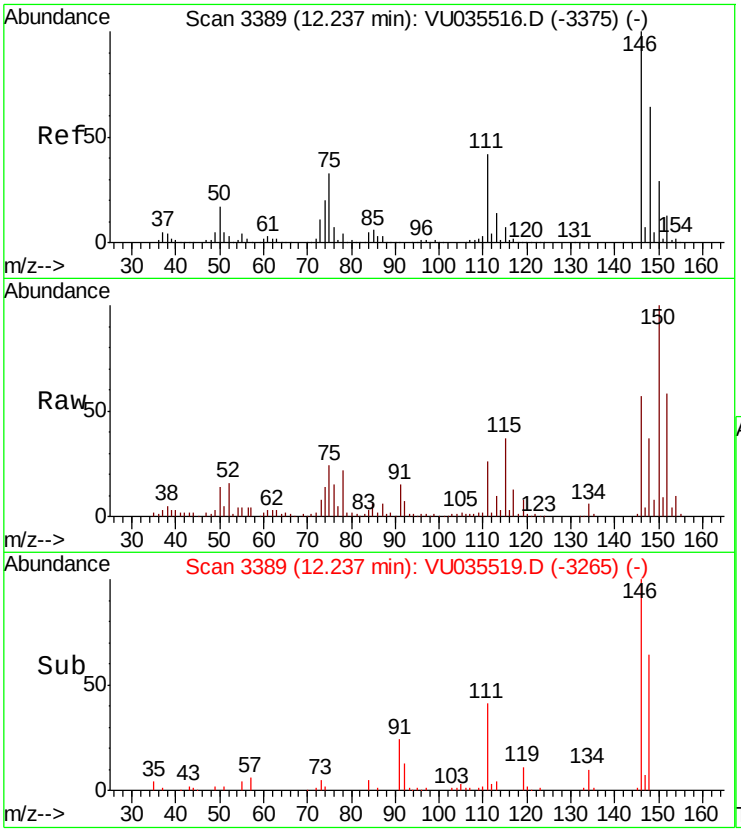


#63
1,4-Dichlorobenzene
Concen: 0.996 ug/L
RT: 11.86 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VU035519.D
Acq: 26 Oct 2019 15:34

Tgt Ion:146 Resp: 8538

Ion	Ratio	Lower	Upper
146	100		
111	44.4	26.7	49.5
148	63.4	44.4	82.4



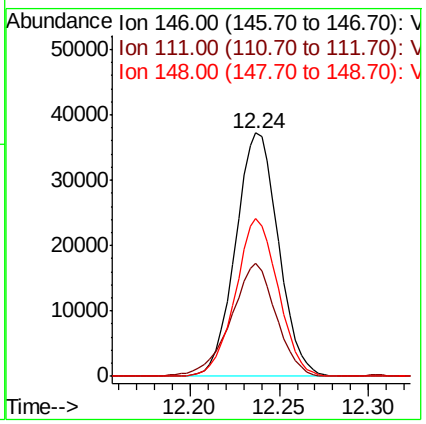


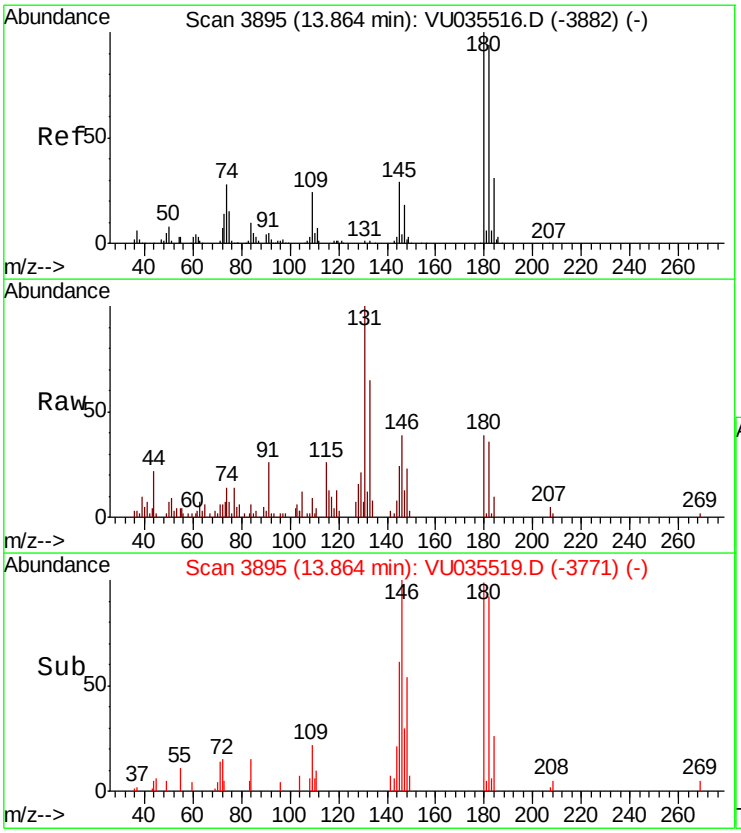
#65
1,2-Dichlorobenzene
Concen: 7.294 ug/L
RT: 12.24 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU035519.D
Acq: 26 Oct 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:146 Resp: 62565

Ion	Ratio	Lower	Upper
146	100		
111	46.3	33.6	50.4
148	64.7	50.3	75.5

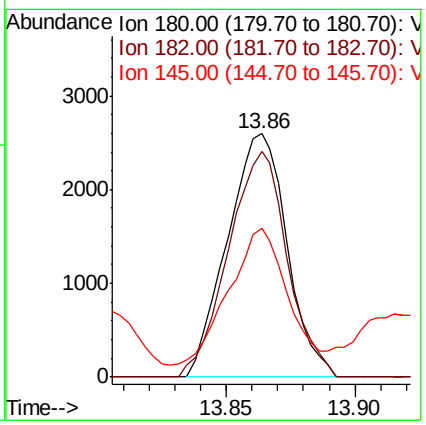


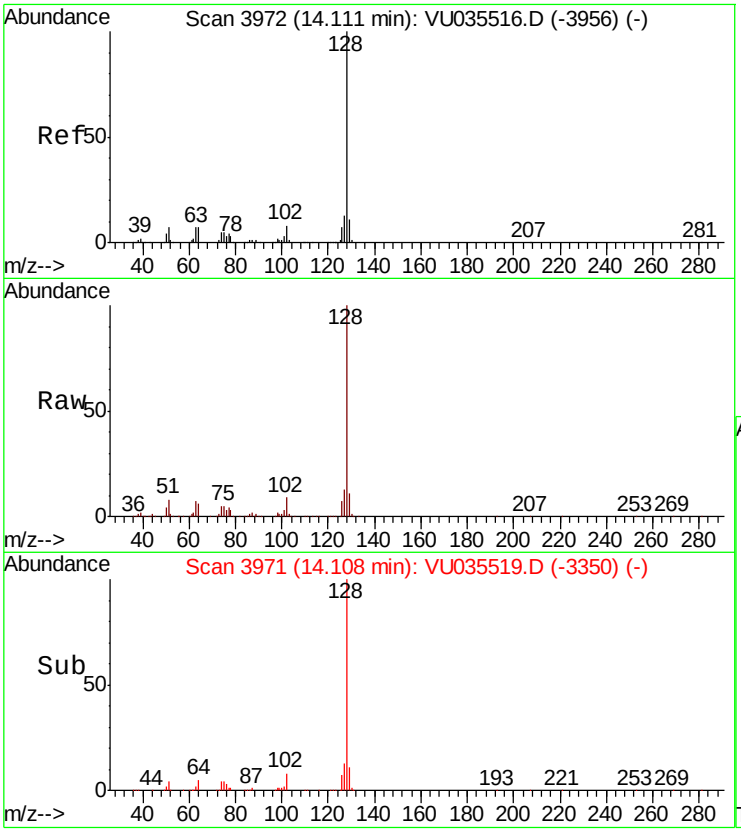


#68
1,2,4-trichlorobenzene
Concen: 1.545 ug/L
RT: 13.86 min Scan# 3895
Delta R.T. -0.00 min
Lab File: VU035519.D
Acq: 26 Oct 2019 15:34

Tgt Ion:180 Resp: 4176

Ion	Ratio	Lower	Upper
180	100		
182	91.6	75.0	112.4
145	54.2	22.6	34.0#



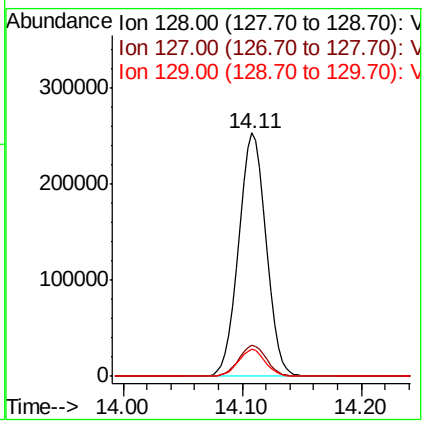


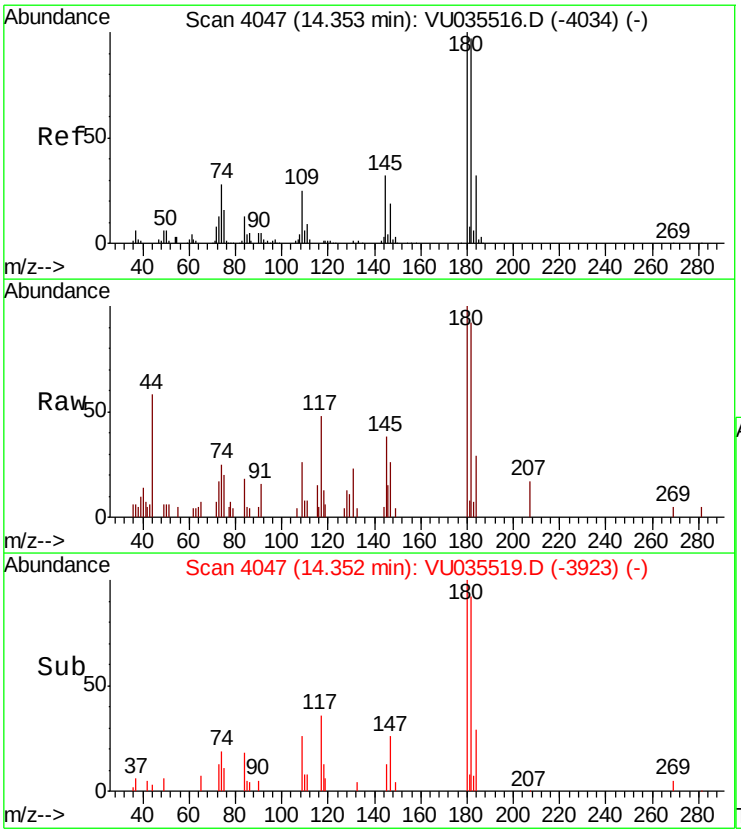
#69
Naphthalene
Concen: 53.864 ug/L
RT: 14.11 min Scan# 3971
Delta R.T. -0.00 min
Lab File: VU035519.D
Acq: 26 Oct 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 405009

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.0	8.4	12.6





#70
1,2,3-Trichlorobenzene
Concen: 1.380 ug/L
RT: 14.35 min Scan# 4047
Delta R.T. -0.00 min
Lab File: VU035519.D
Acq: 26 Oct 2019 15:34

Tgt Ion:180 Resp: 3855

Ion	Ratio	Lower	Upper
180	100		
182	99.7	76.0	114.0
145	71.3	24.9	37.3#