Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120919\

Quantitation Report (Not Reviewed)

Data File : VU036060.D
Acq On : 09 Dec 2019 20:31
Operator : JC/MD
Sample : K6167-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFQW7

Quant Time: Dec 10 01:52:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 10 01:47:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	242221	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	256827	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	105023	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	111419	5.16	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 103.20%			
7) Chloroethane-d5	1.93	69	133465	5.89	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 117.80%			
11) 1,1-Dichloroethene-d2	2.59	63	141423	3.58	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 71.60%			
20) 2-Butanone-d5	4.70	46	220822	60.02	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 120.04%			
24) Chloroform-d	5.11	84	180123	5.14	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 102.80%			
26) 1,2-Dichloroethane-d4	5.75	65	94350	5.20	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 104.00%			
32) Benzene-d6	5.77	84	355775	5.47	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 109.40%			
36) 1,2-Dichloropropane-d6	6.73	67	108820	5.55	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 111.00%			
41) Toluene-d8	7.93	98	297833	4.96	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 99.20%			
43) trans-1,3-Dichloropropene-	8.21	79	32245	3.95	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 79.00%			
46) 2-Hexanone-d5	8.68	63	166295	56.25	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 112.50%			
57) 1,1,2,2-Tetrachloroethane-	10.78	84	100164	5.55	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 111.00%			
64) 1,2-Dichlorobenzene-d4	12.22	152	118992	5.89	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 117.80%			
Target Compounds						Qvalue
5) Vinyl chloride	1.62	62	41393	1.707	ug/L	92
8) Chloroethane	1.95	64	33300	1.805	ug/L	96
12) 1,1-Dichloroethene	2.60	96	2658	0.126	ug/L #	1
13) Acetone	2.68	43	324935	69.579	ug/L	98
15) Methyl Acetate	3.00	43	5764	0.836	ug/L #	82
16) Methylene chloride	3.09	84	8427	0.344	ug/L	92
19) 1,1-Dichloroethane	3.92	63	106705	3.305	ug/L	96
21) 2-Butanone	4.78	43	29338	6.276	ug/L	95
22) cis-1,2-Dichloroethene	4.72	96	106985	5.667	ug/L	100
25) Chloroform	5.14	83	42905	1.193	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	52329	1.808	ug/L	98
31) Carbon tetrachloride	5.37	117	7473	0.285	ug/L	93
33) Benzene	5.82	78	60694	0.865	ug/L	100
34) Trichloroethene	6.58	95	3916	0.210	ug/L	95
35) Methylcyclohexane	6.73	83	28131	1.125	ug/L #	18
38) Bromodichloromethane	7.14	83	5641	0.238	ug/L	93
42) Toluene	8.00	91	32263	0.429	ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120919\

Quantitation Report (Not Reviewed)

Data File : VU036060.D
Acq On : 09 Dec 2019 20:31
Operator : JC/MD
Sample : K6167-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFQW7

Quant Time: Dec 10 01:52:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 10 01:47:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
51) Chlorobenzene	9.48	112	84145	1.604	ug/L		100
52) Ethylbenzene	9.60	91	9290	0.118	ug/L		89
53) m,p-Xylene	9.72	106	8880	0.283	ug/L		93
54) o-Xylene	10.13	106	8082	0.274	ug/L		88
55) Styrene	10.14	104	14868	0.294	ug/L		91
59) 1,2,3-Trichloropropane	11.84	75	13431	1.067	ug/L		98
62) 1,3-Dichlorobenzene	11.77	146	3438	0.100	ug/L		88
63) 1,4-Dichlorobenzene	11.86	146	8561	0.253	ug/L		92
65) 1,2-Dichlorobenzene	12.23	146	7218	0.213	ug/L	#	83
69) Naphthalene	14.10	128	1761	0.148	ug/L	#	91

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120919\

Quantitation Report (Not Reviewed)

Data File : VU036060.D
Acq On : 09 Dec 2019 20:31
Operator : JC/MD
Sample : K6167-08
Misc : 25.0mL/MSVOA_U/WATER
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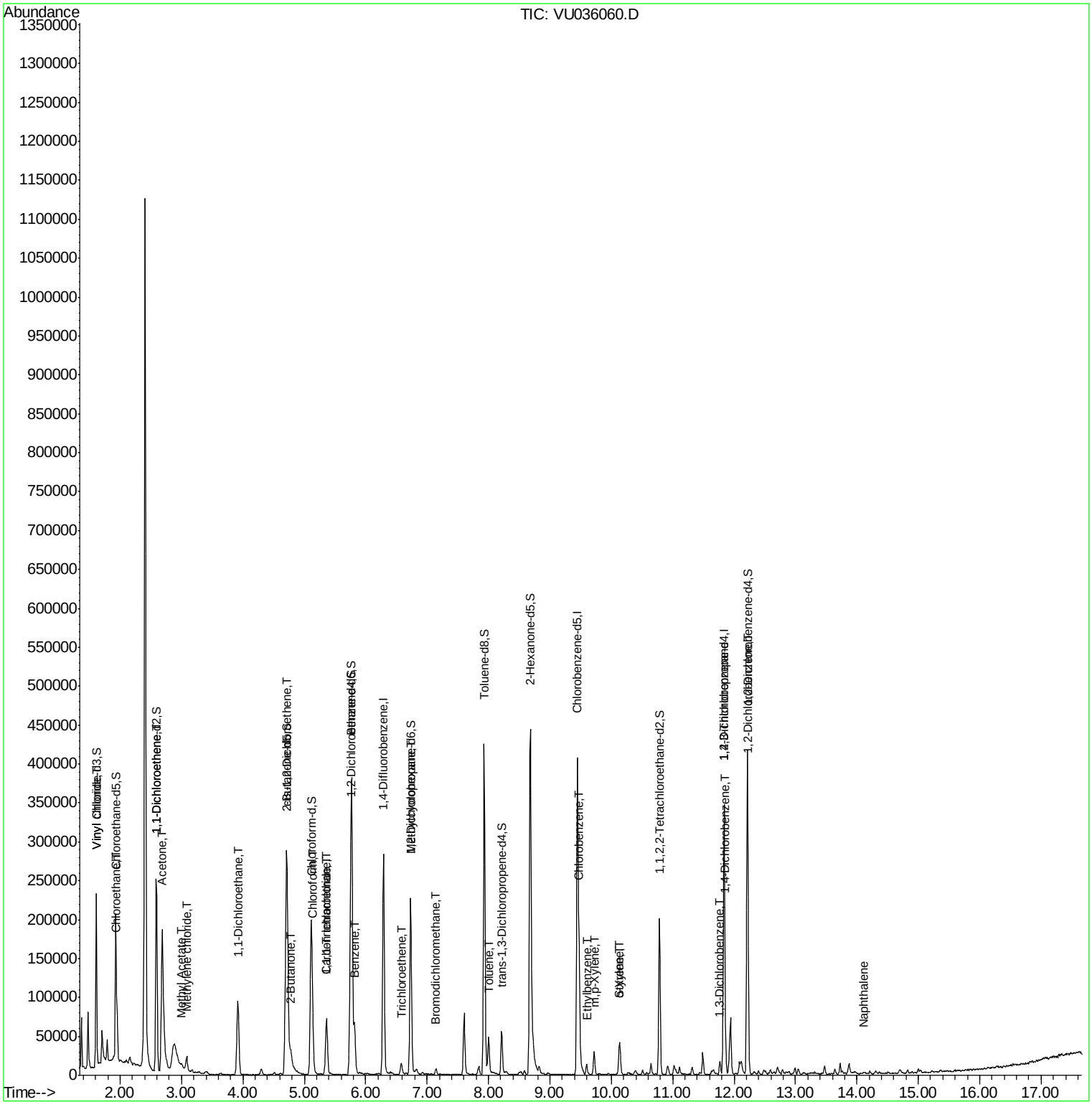
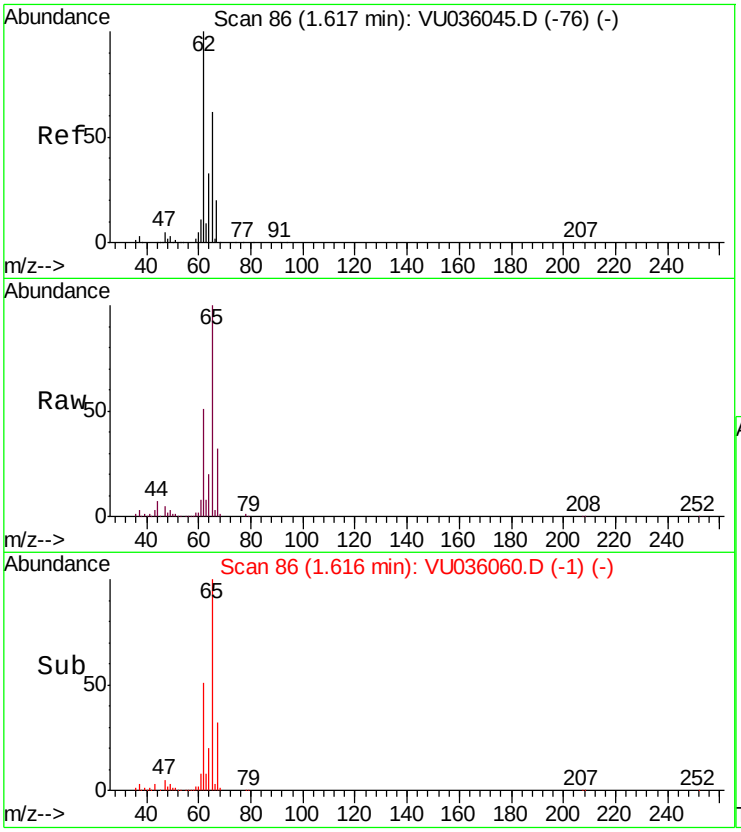
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 10 01:47:47 2019
Response via : Initial Calibration



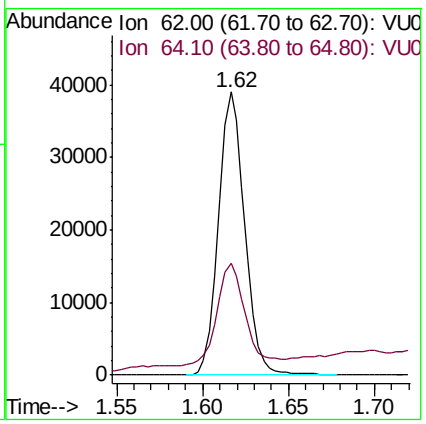


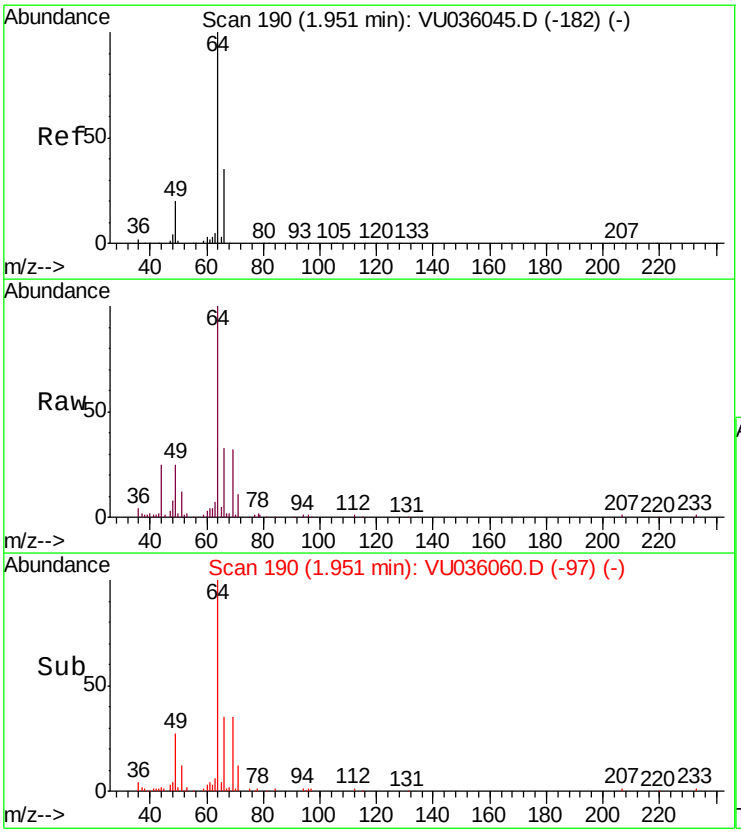
#5
Vinyl chloride
Concen: 1.707 ug/L
RT: 1.62 min Scan# 86
Delta R.T. -0.00 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Instrument : MSVOA_U
ClientSampleId : BFQW7

Tgt Ion: 62 Resp: 41393

Ion	Ratio	Lower	Upper
62	100		
64	39.3	24.3	45.1

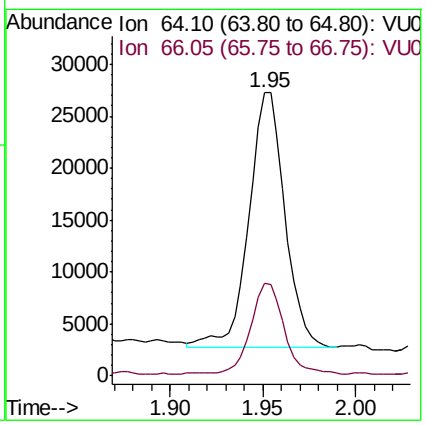


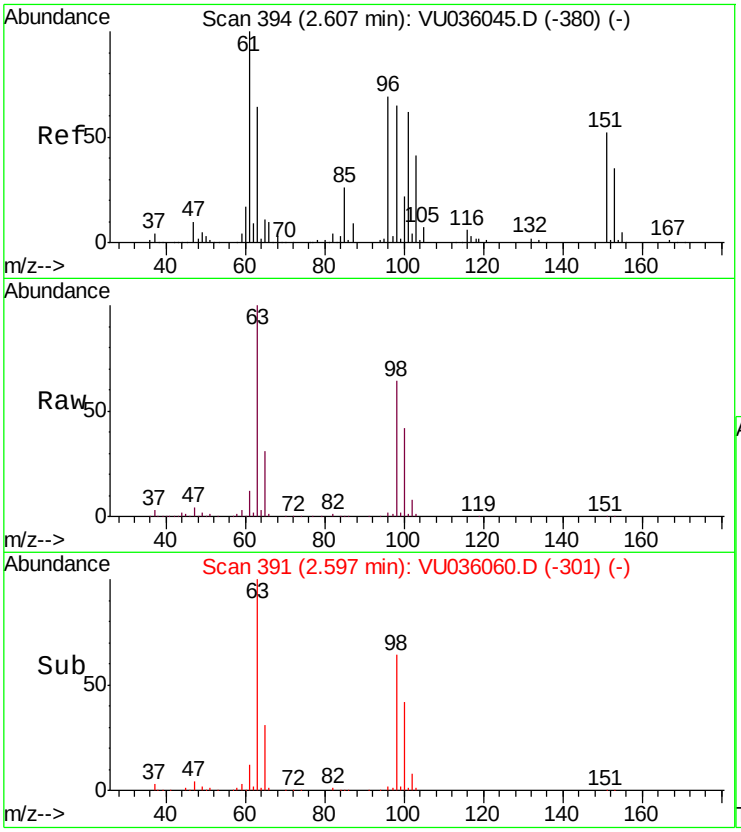


#8
Chloroethane
Concen: 1.805 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Tgt Ion: 64 Resp: 33300

Ion	Ratio	Lower	Upper
64	100		
66	32.8	21.5	39.9



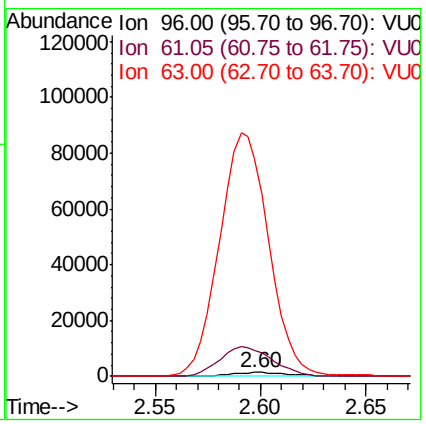


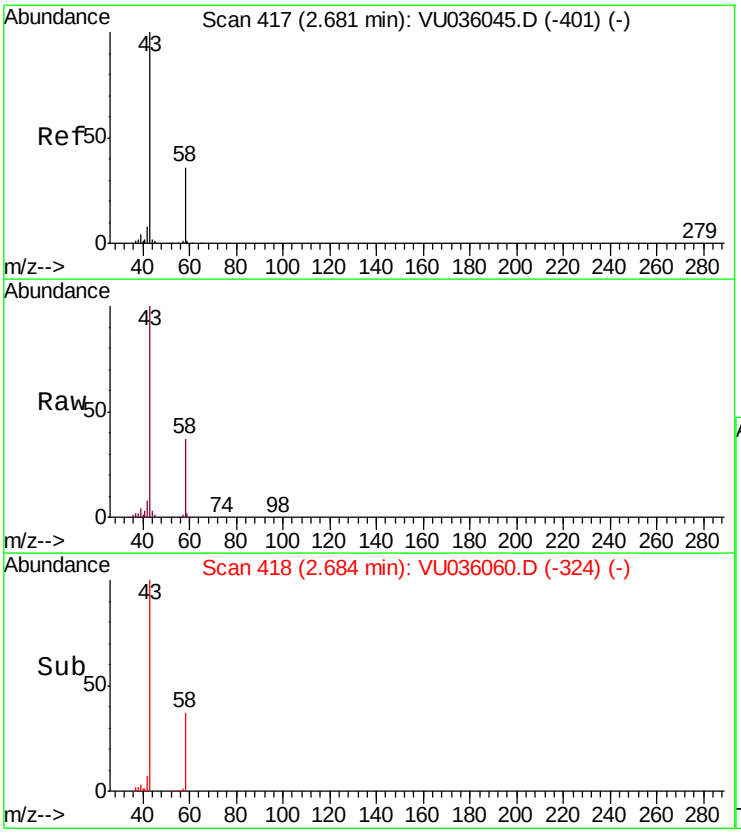
#12
1,1-Dichloroethene
Concen: 0.126 ug/L
RT: 2.60 min Scan# 391
Delta R.T. -0.01 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
BFQW7

Tgt Ion: 96 Resp: 2658

Ion	Ratio	Lower	Upper
96	100		
61	691.0	104.3	193.7#
63	5680.2	65.6	121.8#

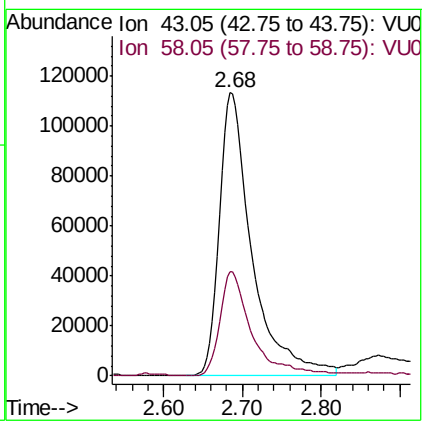


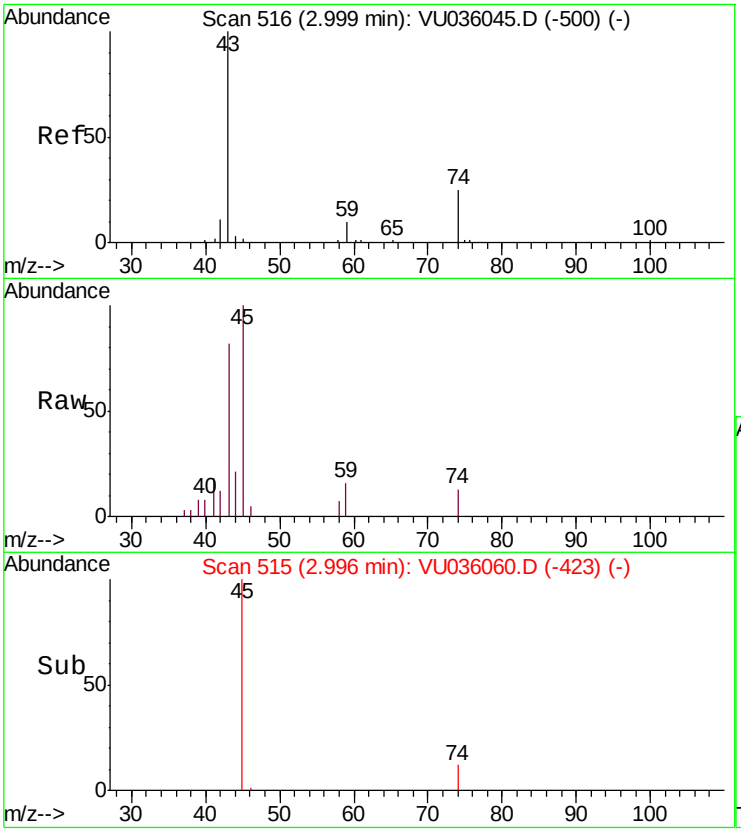


#13
Acetone
Concen: 69.579 ug/L
RT: 2.68 min Scan# 418
Delta R.T. 0.00 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Tgt Ion: 43 Resp: 324935

Ion	Ratio	Lower	Upper
43	100		
58	35.9	0.0	74.2



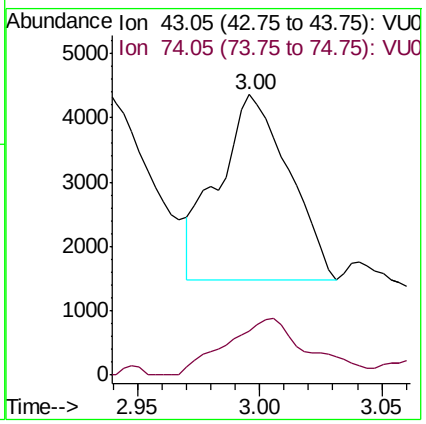


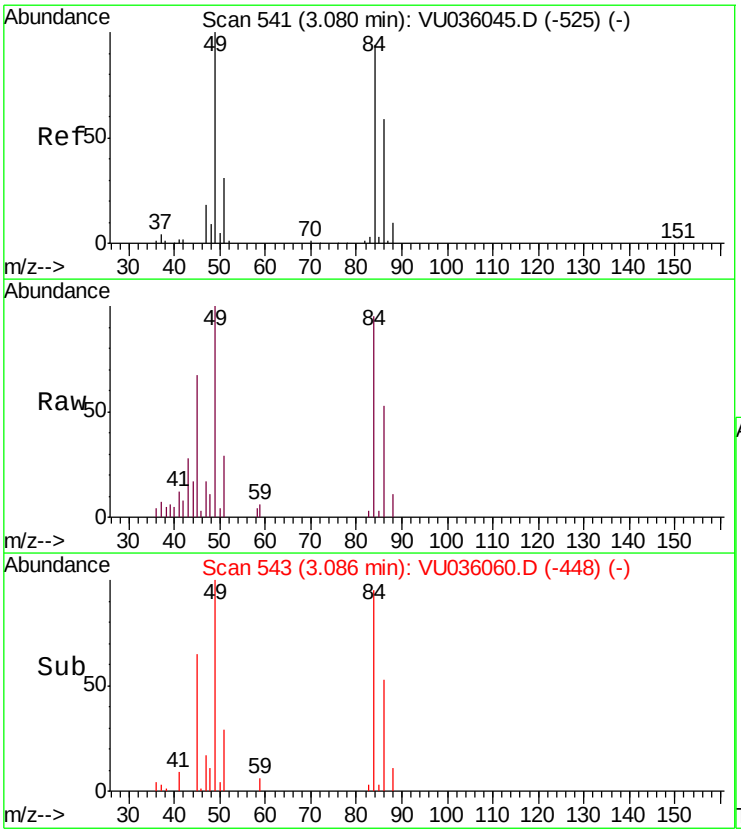
#15
Methyl Acetate
Concen: 0.836 ug/L
RT: 3.00 min Scan# 515
Delta R.T. -0.00 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Instrument : MSVOA_U
ClientSampleId : BFQW7

Tgt Ion: 43 Resp: 5764

Ion	Ratio	Lower	Upper
43	100		
74	35.4	21.0	31.4#

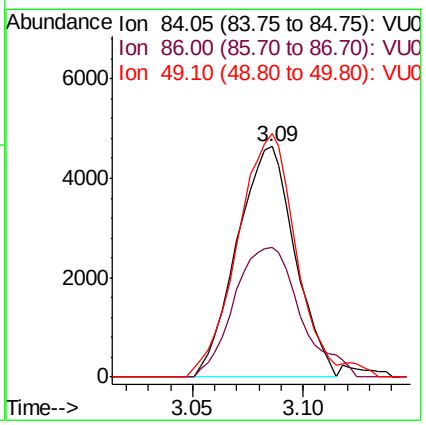


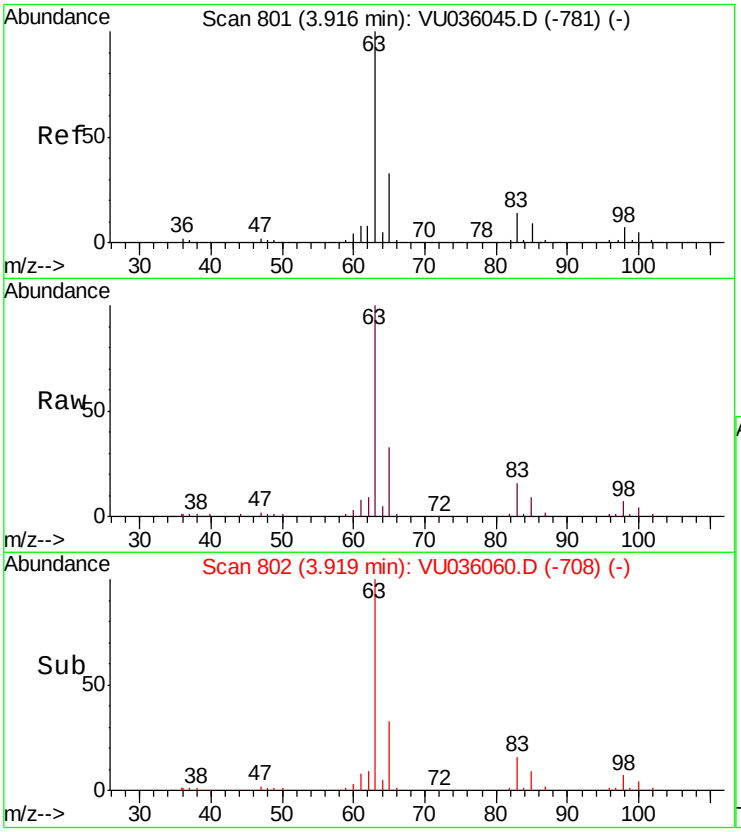


#16
Methylene chloride
Concen: 0.344 ug/L
RT: 3.09 min Scan# 543
Delta R.T. 0.01 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Tgt Ion: 84 Resp: 8427

Ion	Ratio	Lower	Upper
84	100		
86	56.1	47.5	88.3
49	105.7	76.9	142.9



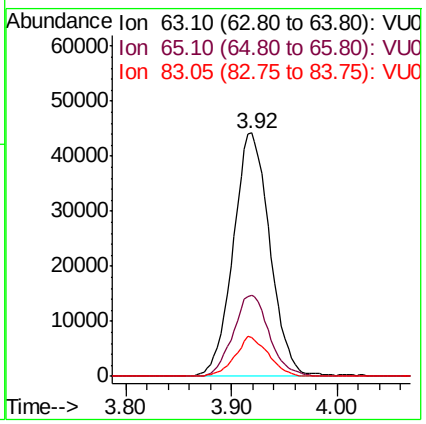


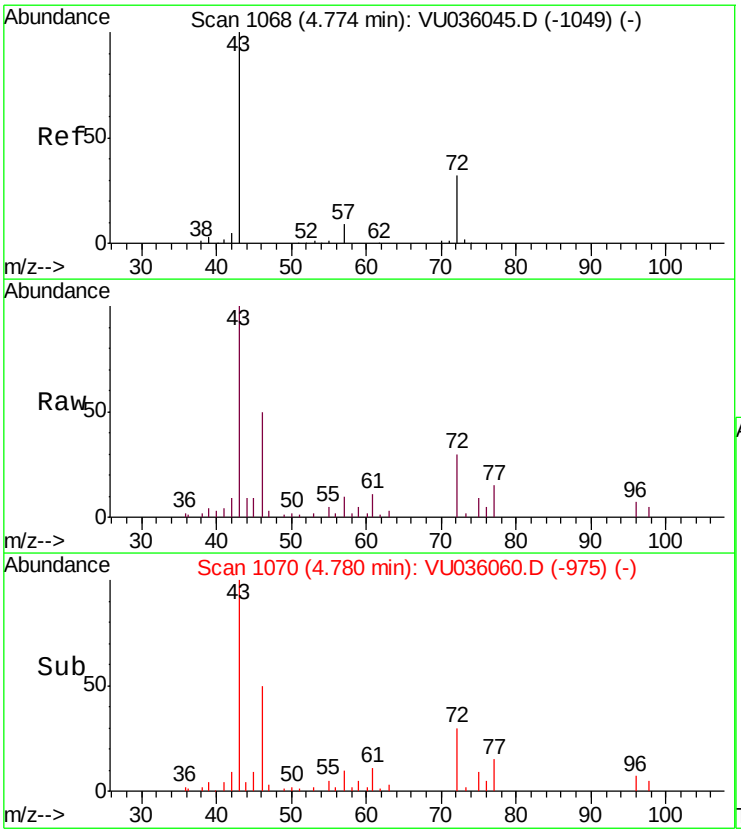
#19
1,1-Dichloroethane
Concen: 3.305 ug/L
RT: 3.92 min Scan# 802
Delta R.T. 0.00 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
BFQW7

Tgt Ion: 63 Resp: 106705

Ion	Ratio	Lower	Upper
63	100		
65	33.3	21.8	40.4
83	16.0	10.1	18.9

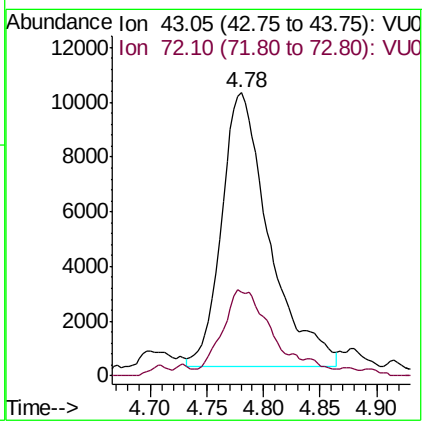


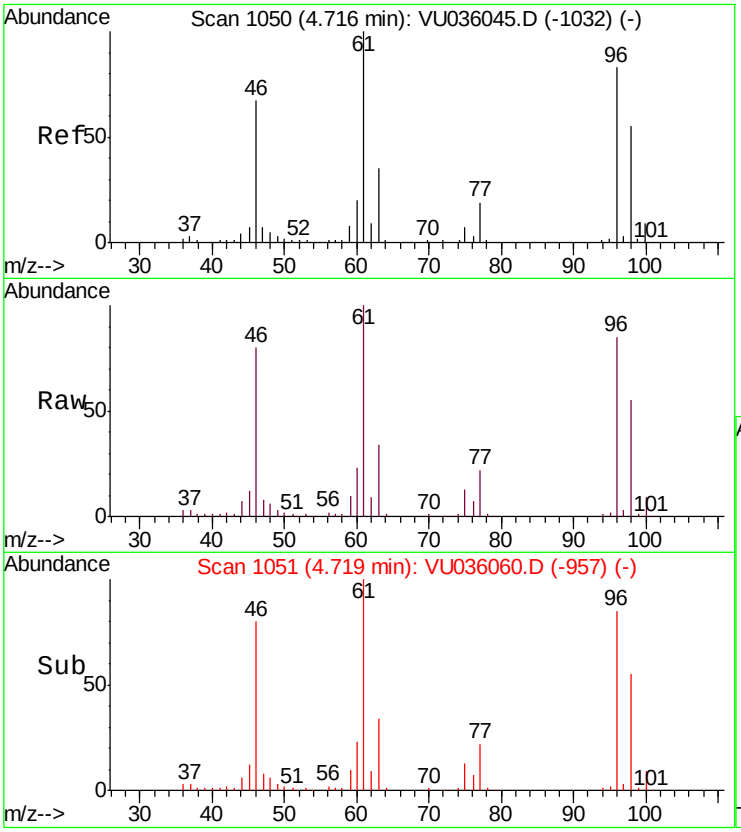


#21
2-Butanone
Concen: 6.276 ug/L
RT: 4.78 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Tgt Ion: 43 Resp: 29338

Ion	Ratio	Lower	Upper
43	100		
72	27.4	15.0	45.0



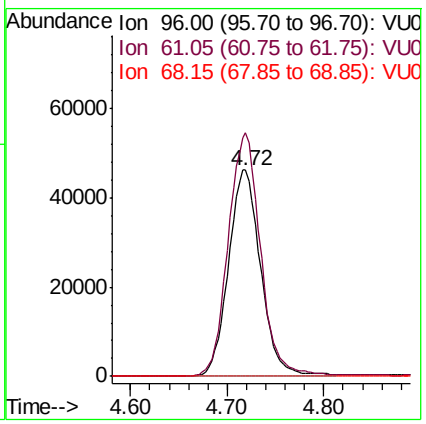


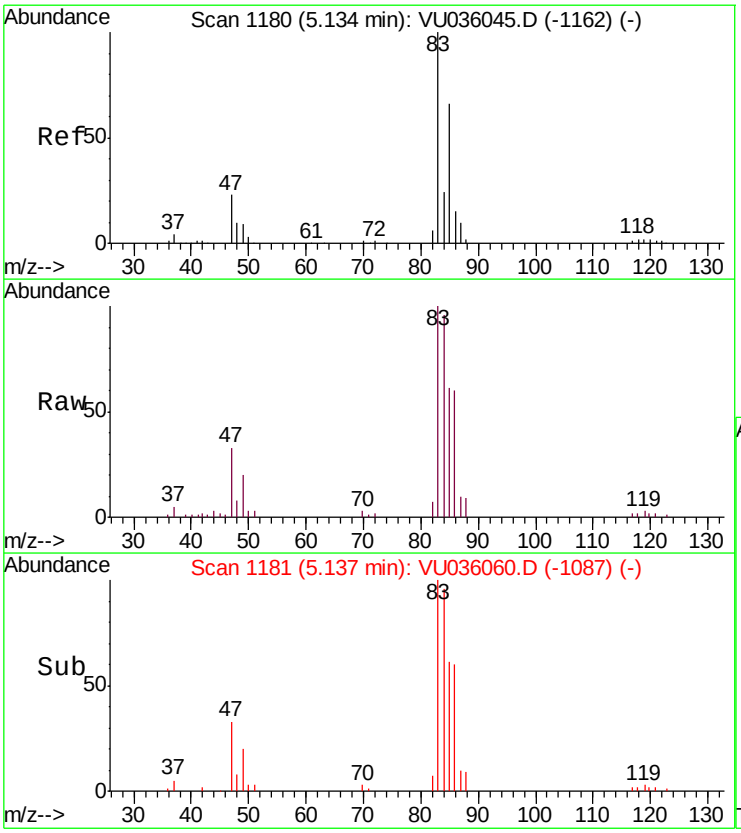
#22
cis-1,2-Dichloroethene
Concen: 5.667 ug/L
RT: 4.72 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
BFQW7

Tgt Ion: 96 Resp: 106985

Ion	Ratio	Lower	Upper
96	100		
61	118.1	83.0	154.2
68	0.0	0.0	0.0

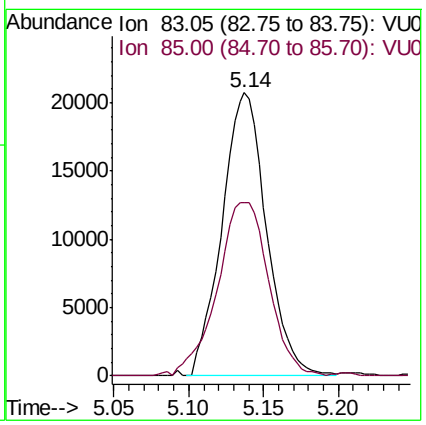


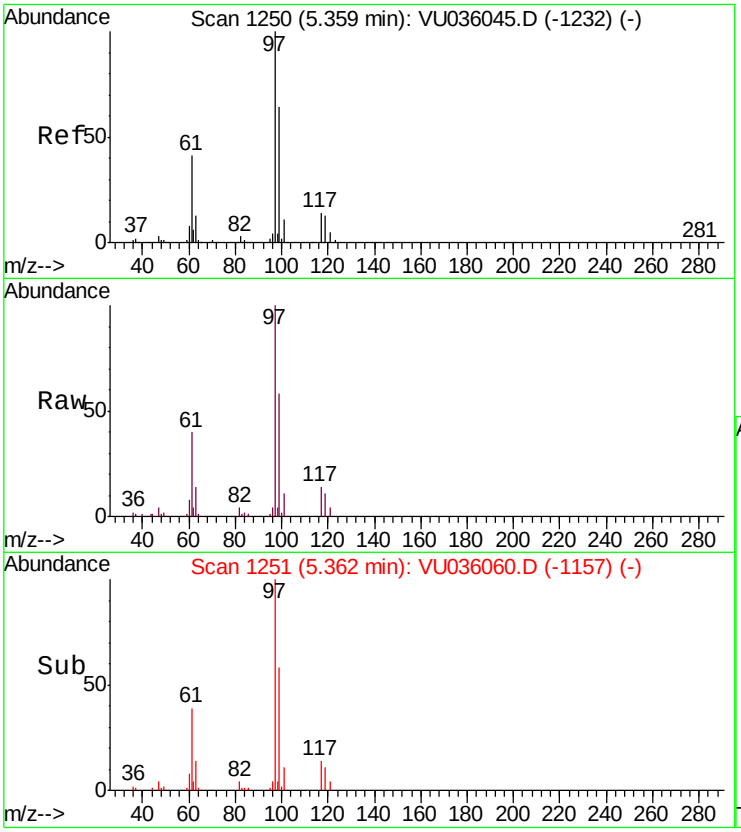


#25
Chloroform
Concen: 1.193 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Tgt Ion: 83 Resp: 42905

Ion	Ratio	Lower	Upper
83	100		
85	61.4	43.9	81.5



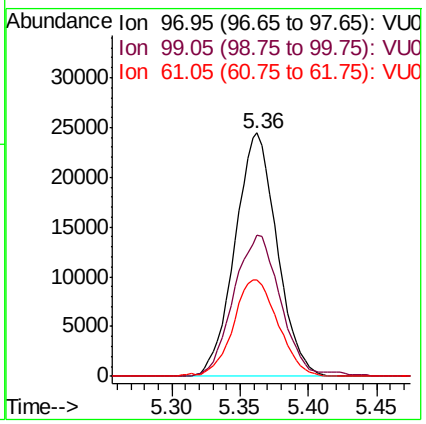


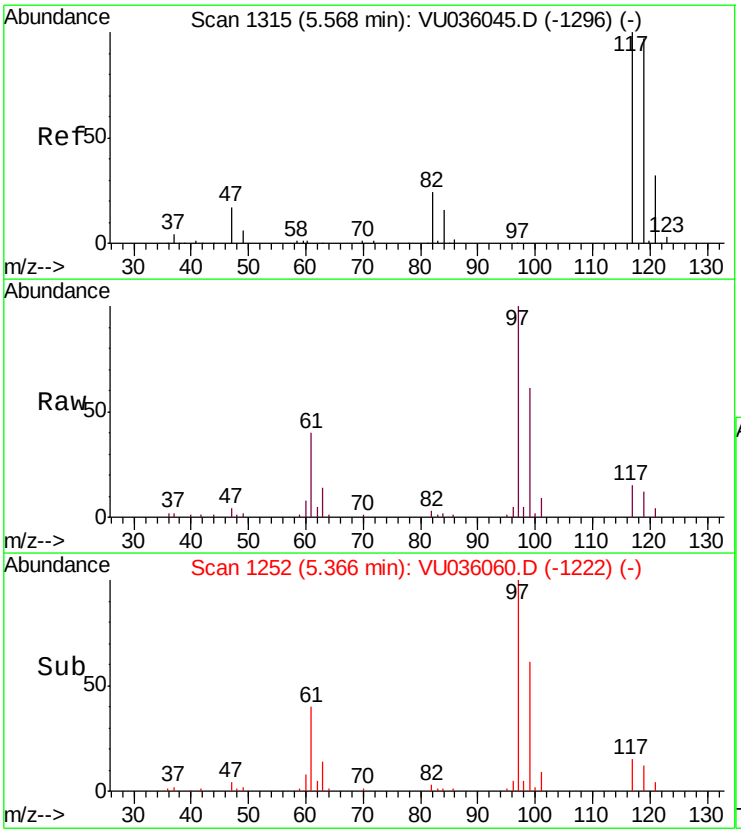
#29
1,1,1-Trichloroethane
Concen: 1.808 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
BFQW7

Tgt Ion: 97 Resp: 52329

Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.2	78.2
61	42.3	34.7	52.1

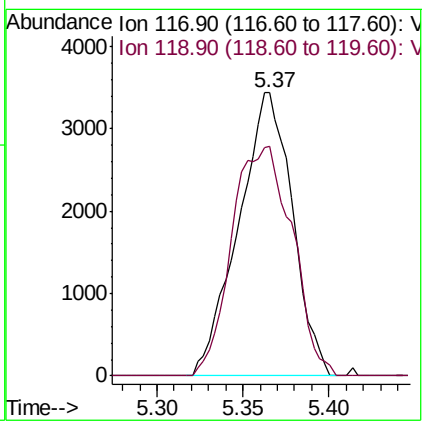


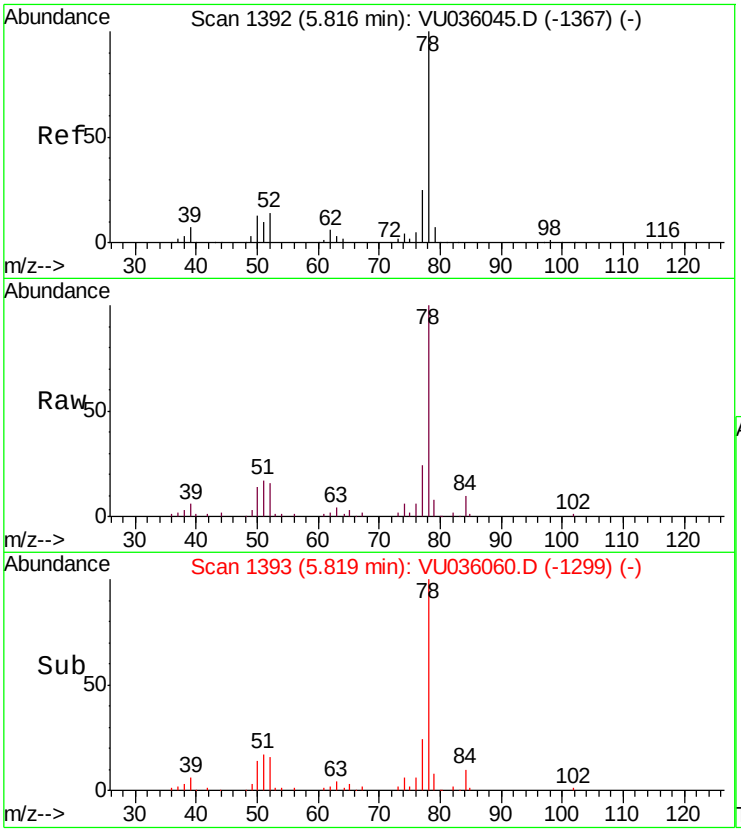


#31
Carbon tetrachloride
Concen: 0.285 ug/L
RT: 5.37 min Scan# 1252
Delta R.T. -0.20 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Tgt Ion:117 Resp: 7473

Ion	Ratio	Lower	Upper
117	100		
119	90.8	78.2	117.4

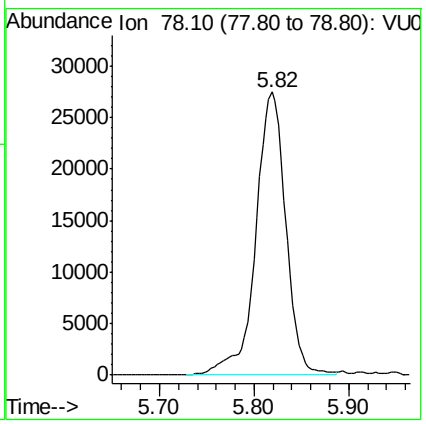


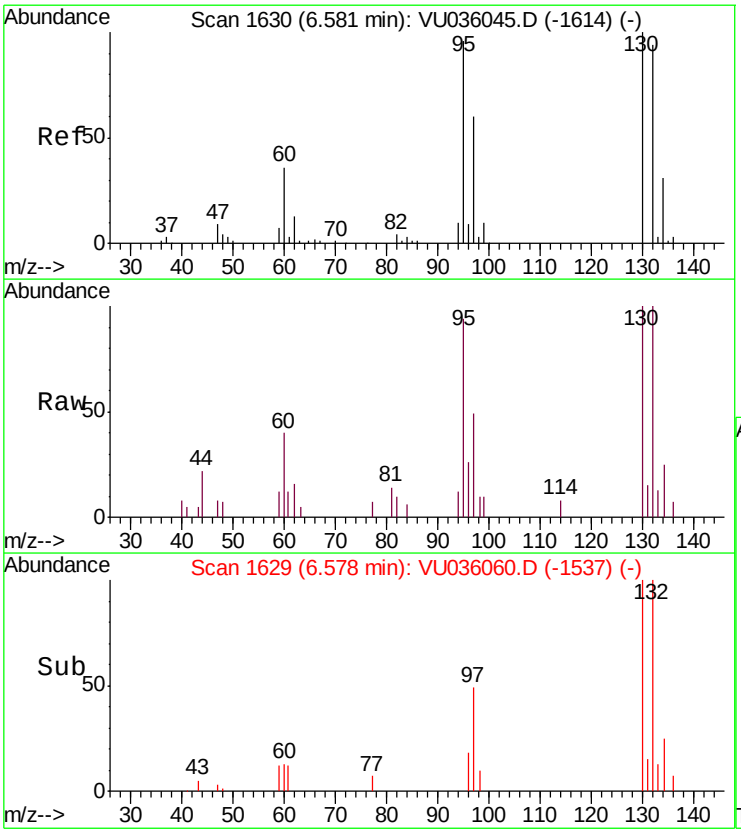


#33
Benzene
Concen: 0.865 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
BFQW7

Tgt Ion: 78 Resp: 60694

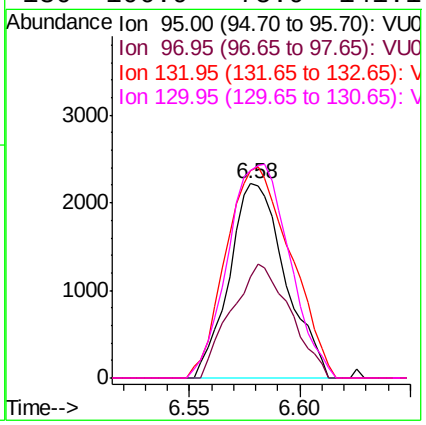


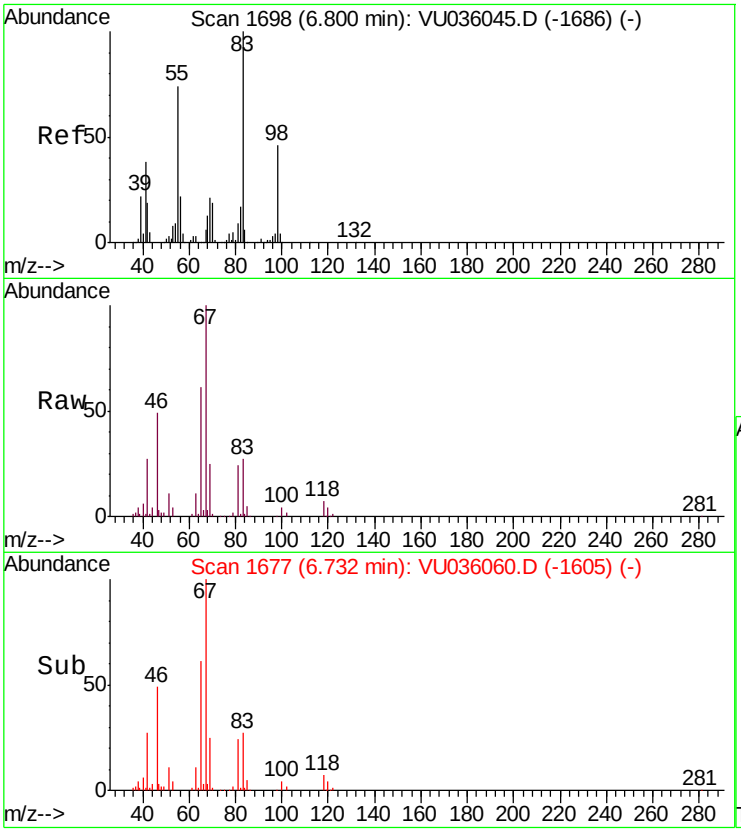


#34
Trichloroethene
Concen: 0.210 ug/L
RT: 6.58 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Tgt Ion: 95 Resp: 3916

Ion	Ratio	Lower	Upper
95	100		
97	52.1	44.4	82.4
132	106.6	73.4	136.4
130	106.9	75.9	141.1



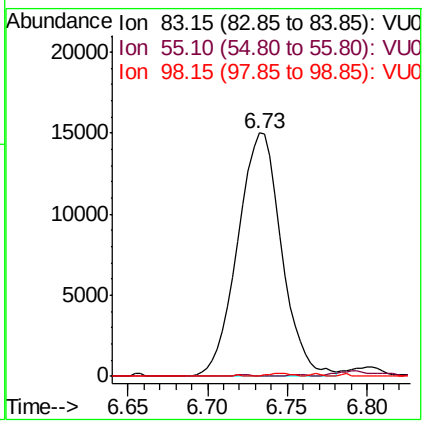


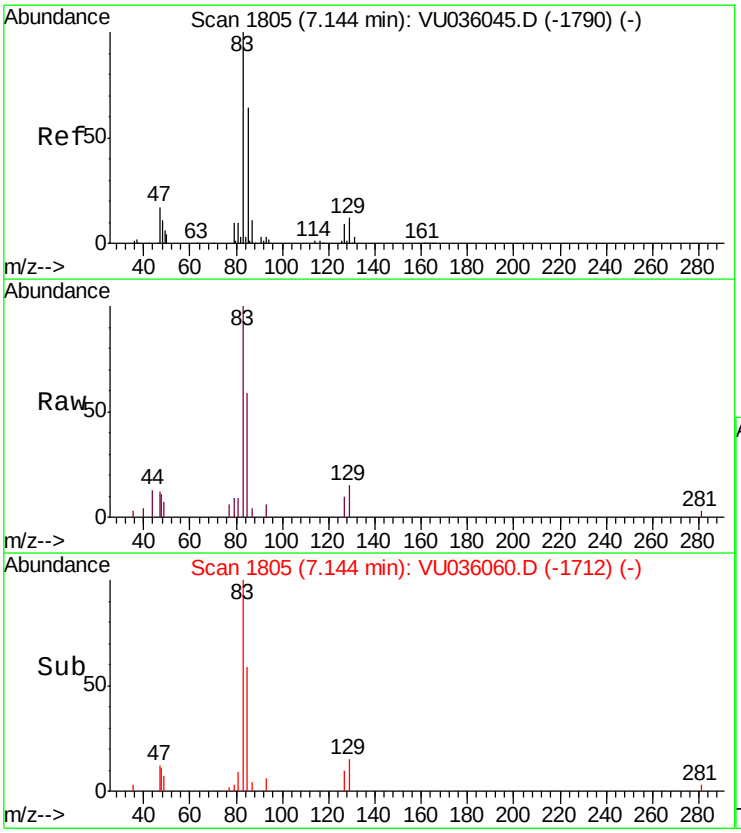
#35
Methylcyclohexane
Concen: 1.125 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Instrument : MSVOA_U
ClientSampleId : BFQW7

Tgt Ion: 83 Resp: 28131

Ion	Ratio	Lower	Upper
83	100		
55	0.3	62.1	93.1#
98	0.1	37.0	55.4#

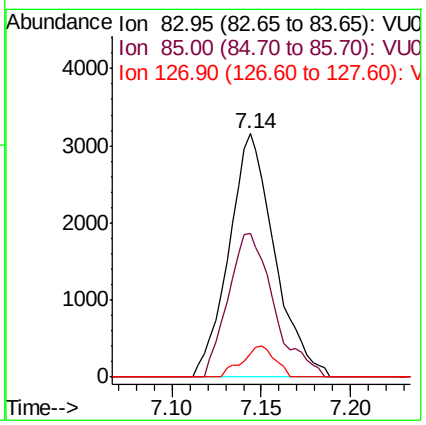


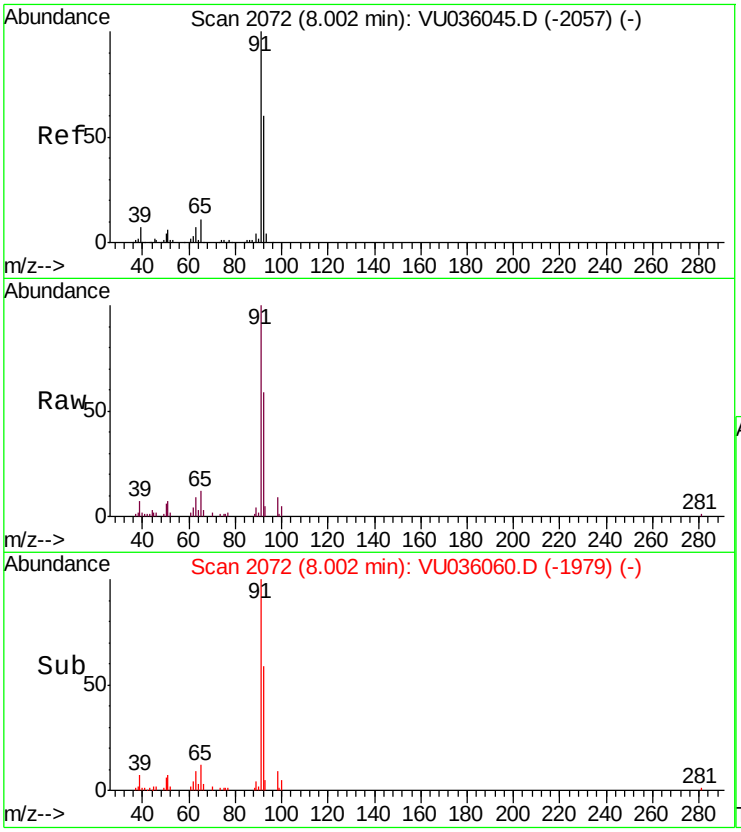


#38
Bromodichloromethane
Concen: 0.238 ug/L
RT: 7.14 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Tgt Ion: 83 Resp: 5641

Ion	Ratio	Lower	Upper
83	100		
85	58.9	45.2	84.0
127	9.8	7.4	11.2



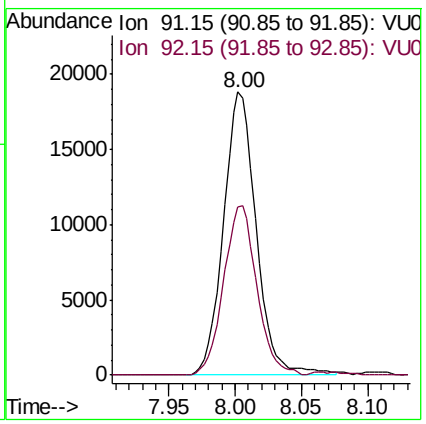


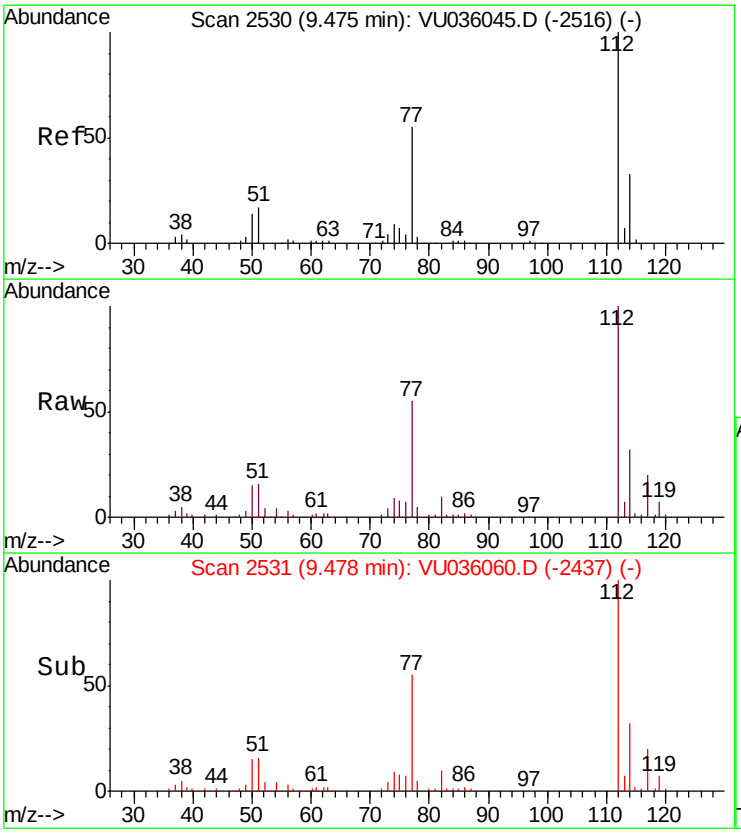
#42
Toluene
Concen: 0.429 ug/L
RT: 8.00 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Instrument : MSVOA_U
ClientSampleId : BFQW7

Tgt Ion: 91 Resp: 32263

Ion	Ratio	Lower	Upper
91	100		
92	59.2	40.0	74.4

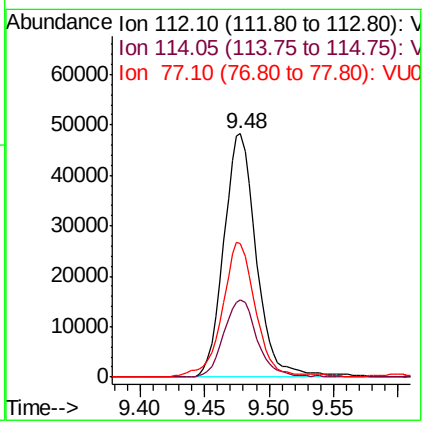


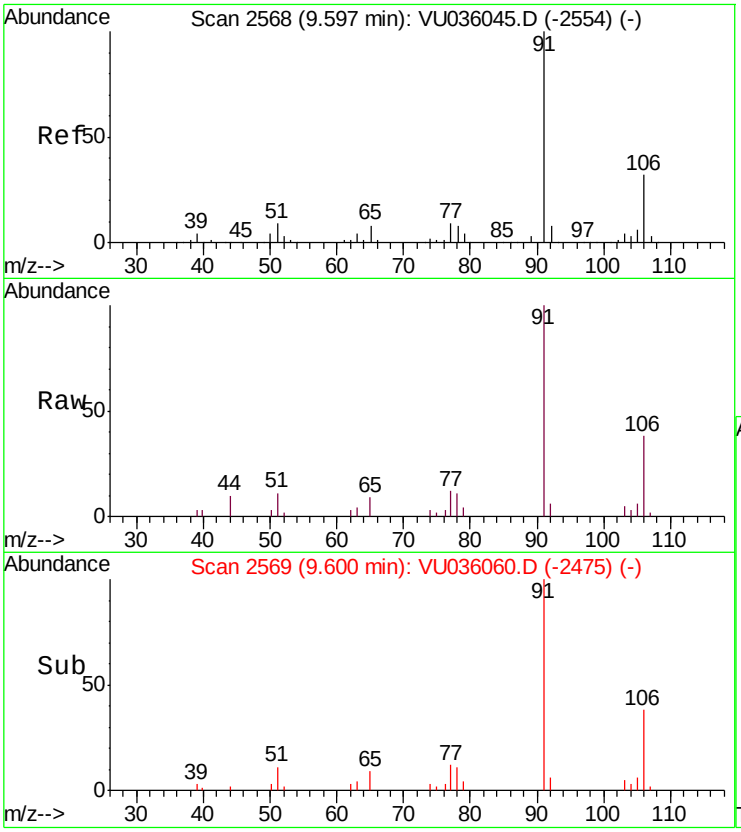


#51
Chlorobenzene
Concen: 1.604 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Tgt Ion:112 Resp: 84145

Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.3	41.5
77	54.6	43.8	65.8



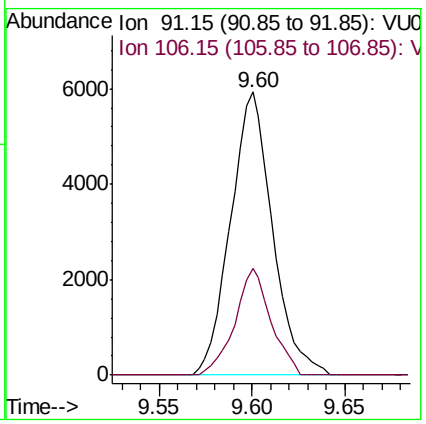


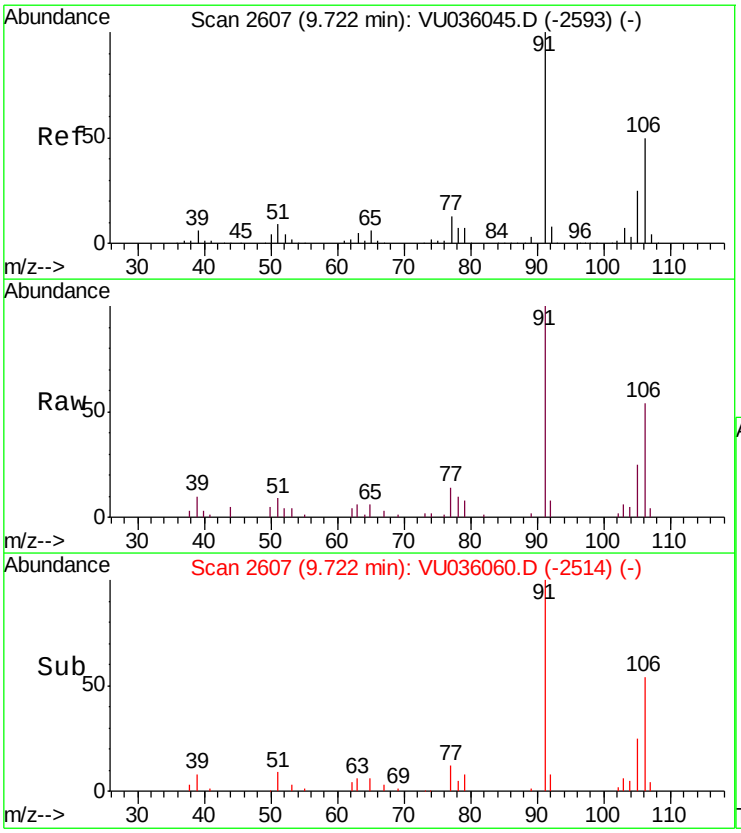
#52
Ethylbenzene
Concen: 0.118 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. 0.00 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Instrument : MSVOA_U
ClientSampleId : BFQW7

Tgt Ion: 91 Resp: 9290

Ion	Ratio	Lower	Upper
91	100		
106	37.6	22.0	41.0

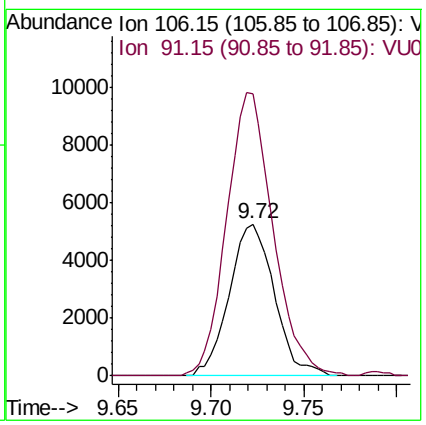


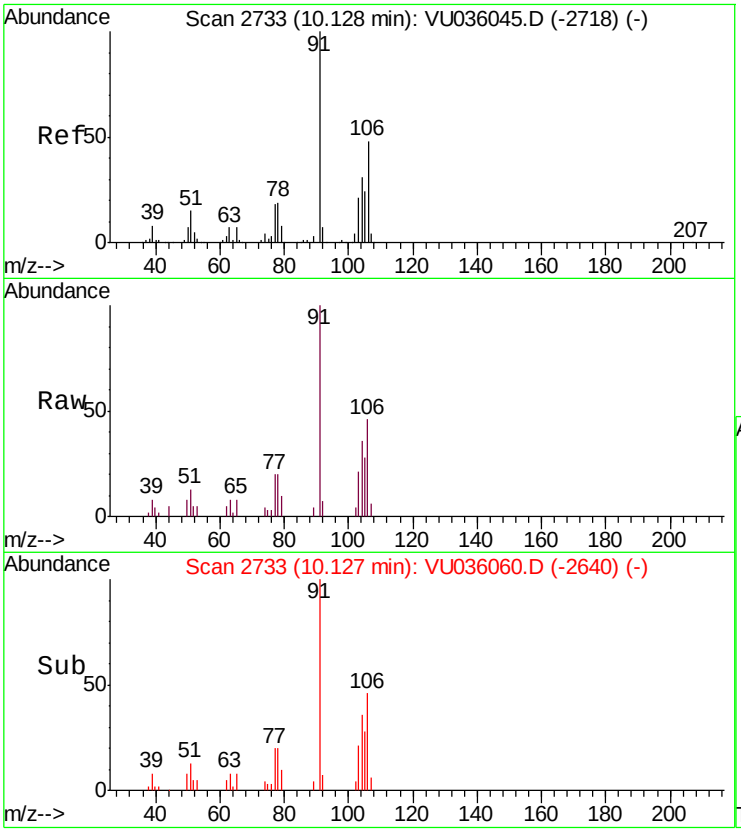


#53
m,p-Xylene
Concen: 0.283 ug/L
RT: 9.72 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Tgt Ion:106 Resp: 8880

Ion	Ratio	Lower	Upper
106	100		
91	185.4	136.9	254.3



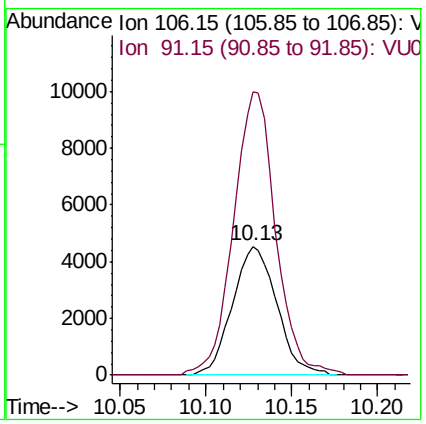


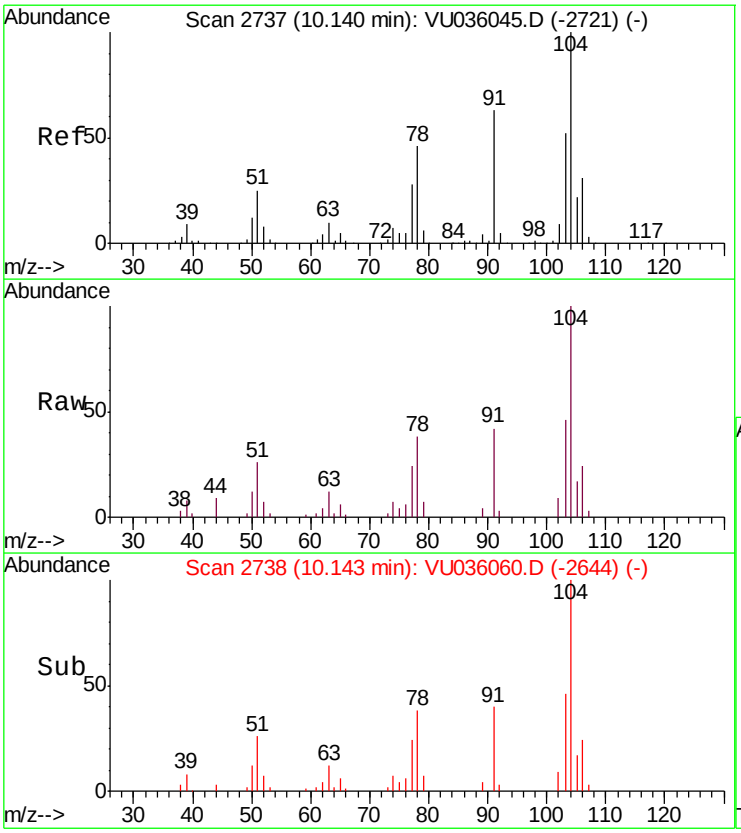
#54
o-Xylene
Concen: 0.274 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
BFQW7

Tgt Ion:106 Resp: 8082

Ion	Ratio	Lower	Upper
106	100		
91	219.7	140.6	261.2

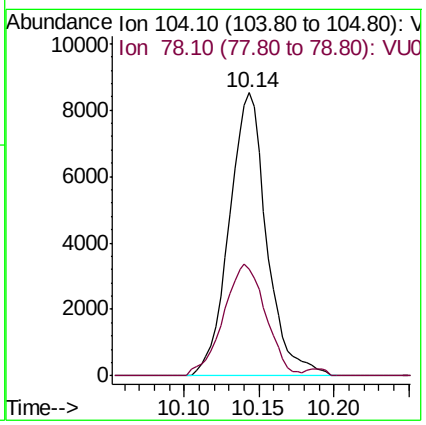


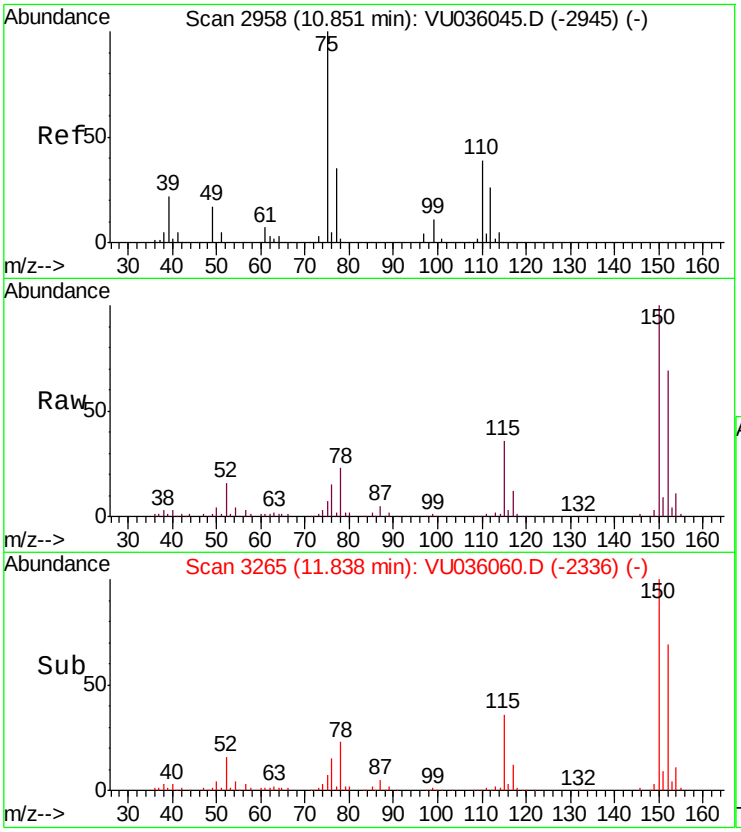


#55
Styrene
Concen: 0.294 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Tgt Ion:104 Resp: 14868

Ion	Ratio	Lower	Upper
104	100		
78	37.5	30.5	56.7



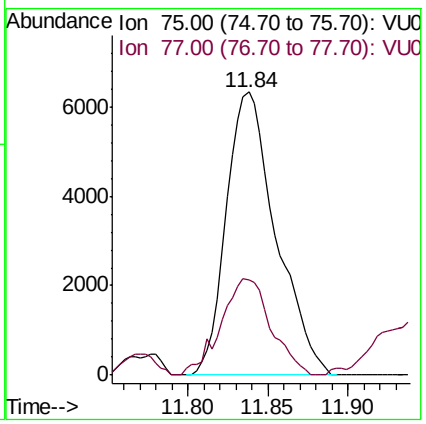


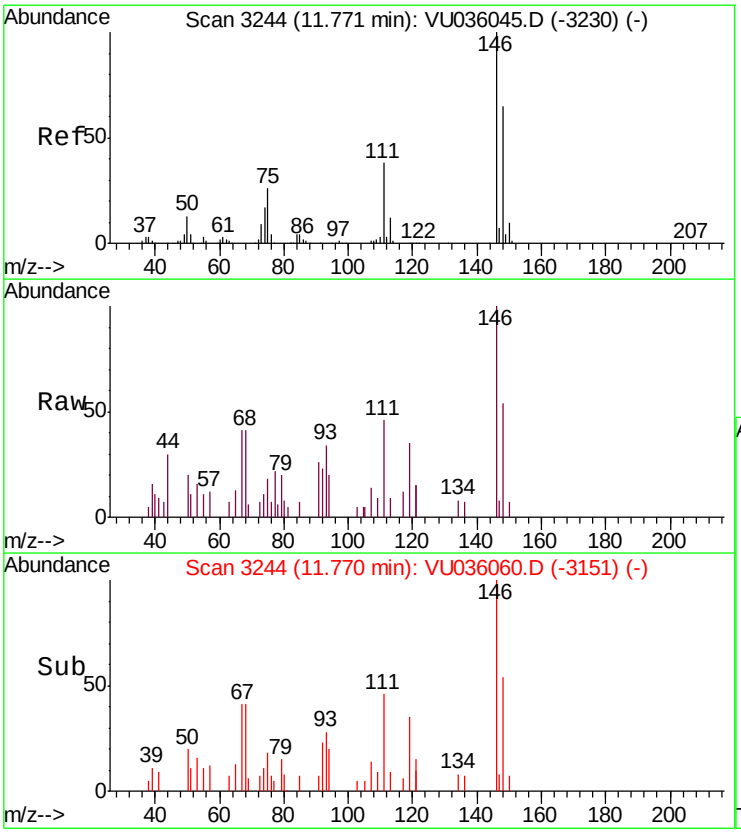
#59
1,2,3-Trichloropropane
Concen: 1.067 ug/L
RT: 11.84 min Scan# 3265
Delta R.T. 0.99 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
BFQW7

Tgt Ion: 75 Resp: 13431

Ion	Ratio	Lower	Upper
75	100		
77	34.3	26.7	40.1

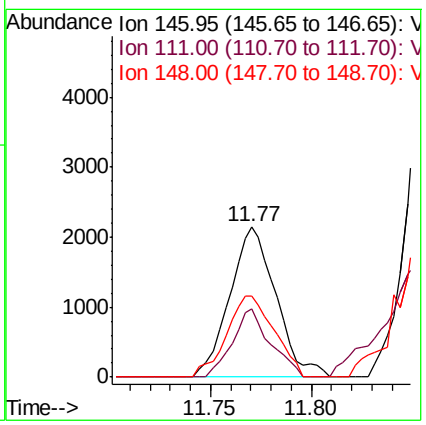


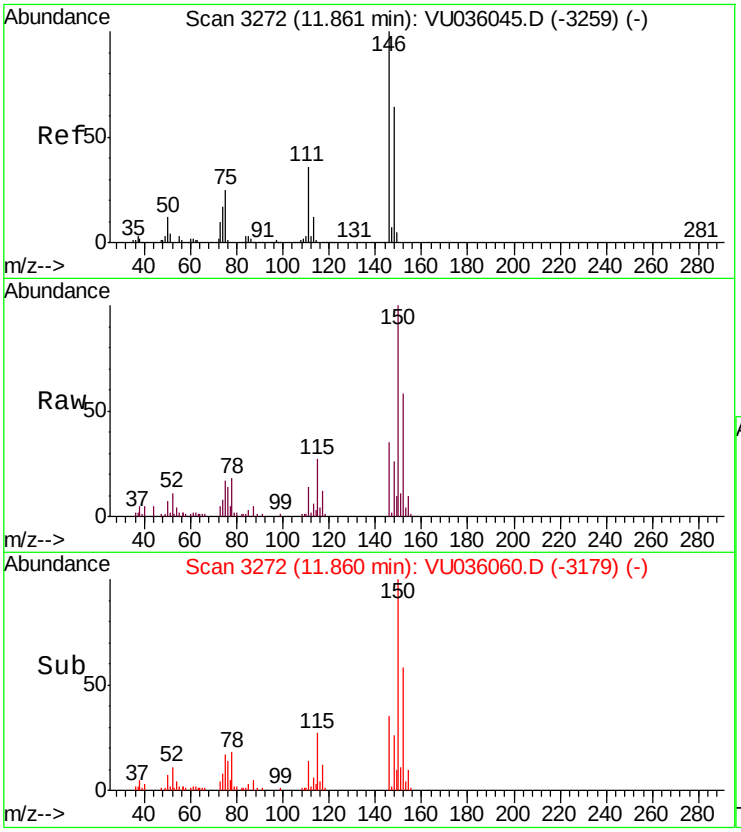


#62
1,3-Dichlorobenzene
Concen: 0.100 ug/L
RT: 11.77 min Scan# 3244
Delta R.T. -0.00 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Tgt Ion:146 Resp: 3438

Ion	Ratio	Lower	Upper
146	100		
111	45.6	26.0	48.2
148	53.7	43.7	81.1



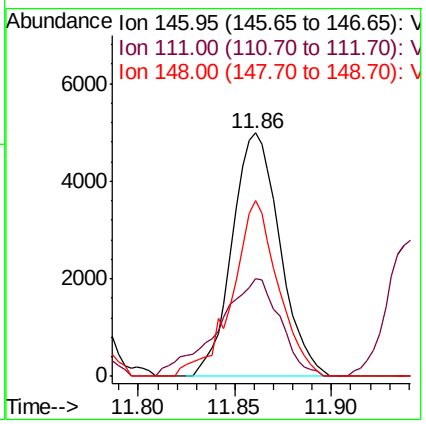


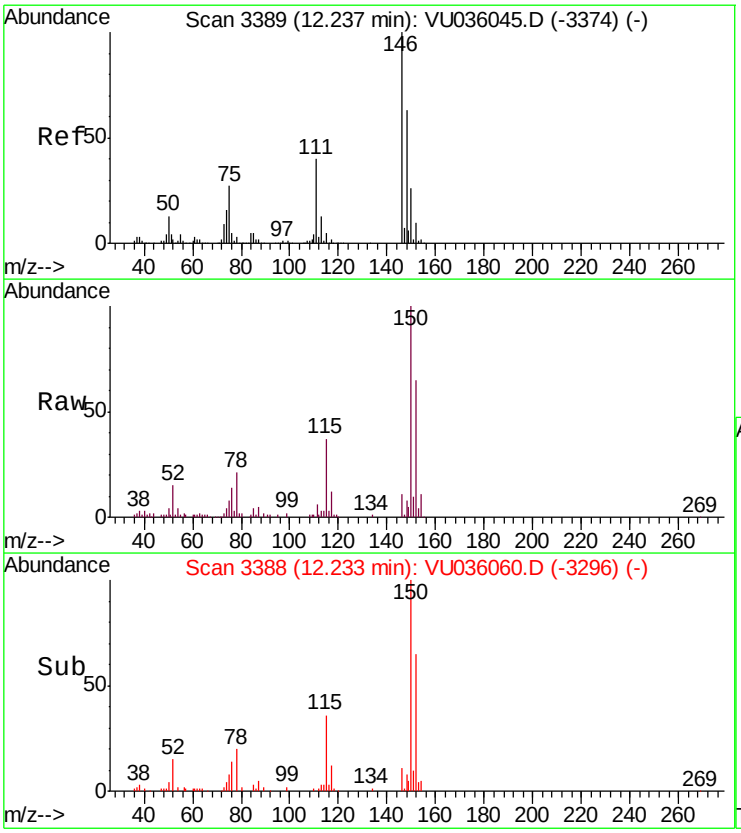
#63
1,4-Dichlorobenzene
Concen: 0.253 ug/L
RT: 11.86 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Instrument : MSVOA_U
ClientSampleId : BFQW7

Tgt Ion:146 Resp: 8561

Ion	Ratio	Lower	Upper
146	100		
111	40.0	26.2	48.6
148	72.3	44.9	83.5

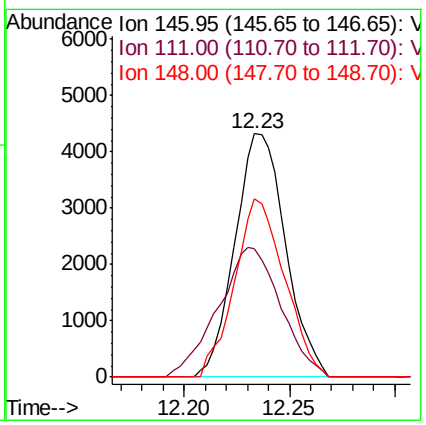


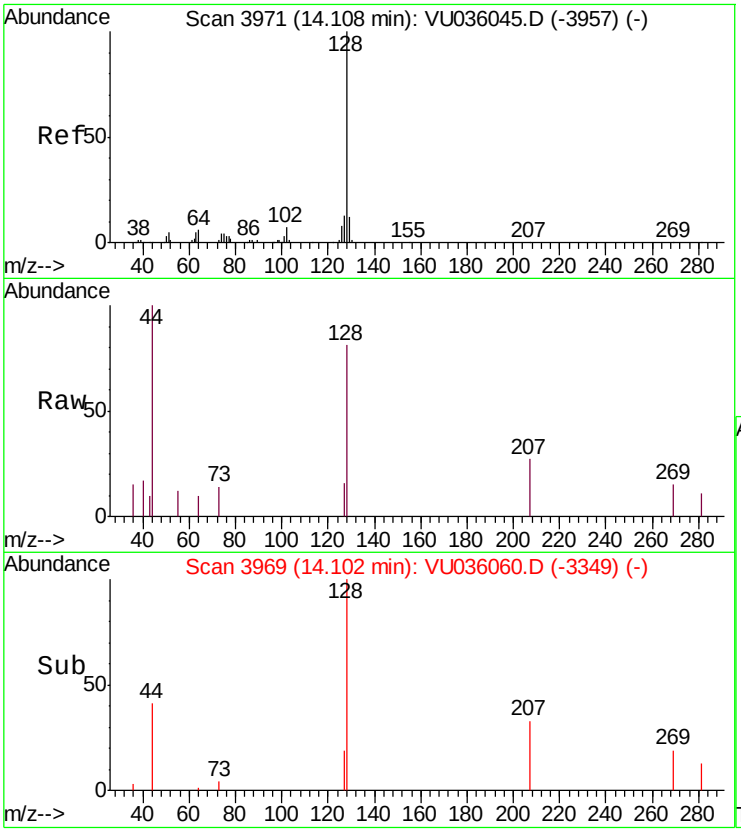


#65
1,2-Dichlorobenzene
Concen: 0.213 ug/L
RT: 12.23 min Scan# 3388
Delta R.T. -0.00 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Tgt Ion:146 Resp: 7218

Ion	Ratio	Lower	Upper
146	100		
111	52.9	31.3	46.9#
148	73.3	50.5	75.7





#69
Naphthalene
Concen: 0.148 ug/L
RT: 14.10 min Scan# 3969
Delta R.T. -0.01 min
Lab File: VU036060.D
Acq: 09 Dec 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
BFQW7

Tgt Ion:128 Resp: 1761

Ion	Ratio	Lower	Upper
128	100		
129	7.3	9.2	13.8#
127	11.2	11.1	16.7