Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101919\

Quantitation Report (Not Reviewed)

Data File : VU035314.D
Acq On : 19 Oct 2019 13:27
Operator : JC/SP
Sample : K5344-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3

Quant Time: Oct 21 05:48:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Oct 21 05:38:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	697474	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	676762	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	336279	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	282886	47.15	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 94.30%			
7) Chloroethane-d5	1.93	69	238418	47.35	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 94.70%			
11) 1,1-Dichloroethene-d2	2.59	63	360029	36.36	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 72.72%			
21) 2-Butanone-d5	4.69	46	544150	136.82	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 136.82%#			
24) Chloroform-d	5.11	84	436914	45.06	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.12%			
26) 1,2-Dichloroethane-d4	5.75	65	297567	46.81	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.62%			
32) Benzene-d6	5.77	84	935879	47.96	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.92%			
36) 1,2-Dichloropropane-d6	6.74	67	297335	47.67	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 95.34%			
41) Toluene-d8	7.94	98	871703	47.28	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.56%			
43) trans-1,3-Dichloropropene-	8.21	79	146201	45.25	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 90.50%			
47) 2-Hexanone-d5	8.68	63	393018	141.83	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 141.83%#			
57) 1,1,2,2-Tetrachloroethane-	10.79	84	460600	49.69	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 99.38%			
64) 1,2-Dichlorobenzene-d4	12.22	152	351494	45.09	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 90.18%			
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	3243	0.736	ug/L #	20
13) Acetone	2.67	43	1511465	426.256	ug/L	99
16) Methylene chloride	3.09	84	116606	22.997	ug/L	100
20) cis-1,2-Dichloroethene	4.72	96	61847	11.895	ug/L	100
22) 2-Butanone	4.77	43	287055	66.907	ug/L	96
25) Chloroform	5.14	83	15751	1.749	ug/L	99
27) 1,2-Dichloroethane	5.84	62	11529	1.652	ug/L	97
29) Cyclohexane	5.42	56	50855	6.720	ug/L #	71
33) Benzene	5.82	78	331035	17.301	ug/L	100
34) Trichloroethene	6.58	95	27392	5.556	ug/L	99
35) Methylcyclohexane	6.80	83	149822	19.655	ug/L #	87
37) 1,2-Dichloropropane	6.84	63	8868	1.790	ug/L #	1
40) 4-Methyl-2-pentanone	7.84	43	7372761	1007.152	ug/L	99
42) Toluene	8.01	91	2839926	135.593	ug/L	100
46) Tetrachloroethene	8.59	164	8864	2.226	ug/L	99
48) 2-Hexanone	8.73	43	28015	4.499	ug/L #	91
51) Chlorobenzene	9.48	112	15498	1.135	ug/L #	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101919\

Quantitation Report (Not Reviewed)

Data File : VU035314.D
Acq On : 19 Oct 2019 13:27
Operator : JC/SP
Sample : K5344-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3

Quant Time: Oct 21 05:48:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Oct 21 05:38:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Ethylbenzene	9.60	91	791923	33.923	ug/L		99
53) m,p-Xylene	9.72	106	1255880	145.942	ug/L		99
54) o-xylene	10.13	106	720072	84.362	ug/L		98
56) Isopropylbenzene	10.51	105	110733	5.011	ug/L	#	94
58) 1,1,2,2-Tetrachloroethane	10.83	83	48521	5.683	ug/L	#	45
63) 1,4-Dichlorobenzene	11.86	146	18440	1.685	ug/L	#	20
65) 1,2-Dichlorobenzene	12.24	146	144629	13.260	ug/L		93
66) 1,2-Dibromo-3-chloropropan	13.05	75	9317	5.404	ug/L	#	4
68) 1,2,4-trichlorobenzene	13.87	180	7442	1.847	ug/L	#	1
69) Naphthalene	14.11	128	2759728	248.771	ug/L		100
70) 1,2,3-Trichlorobenzene	14.36	180	3948	0.947	ug/L	#	1

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

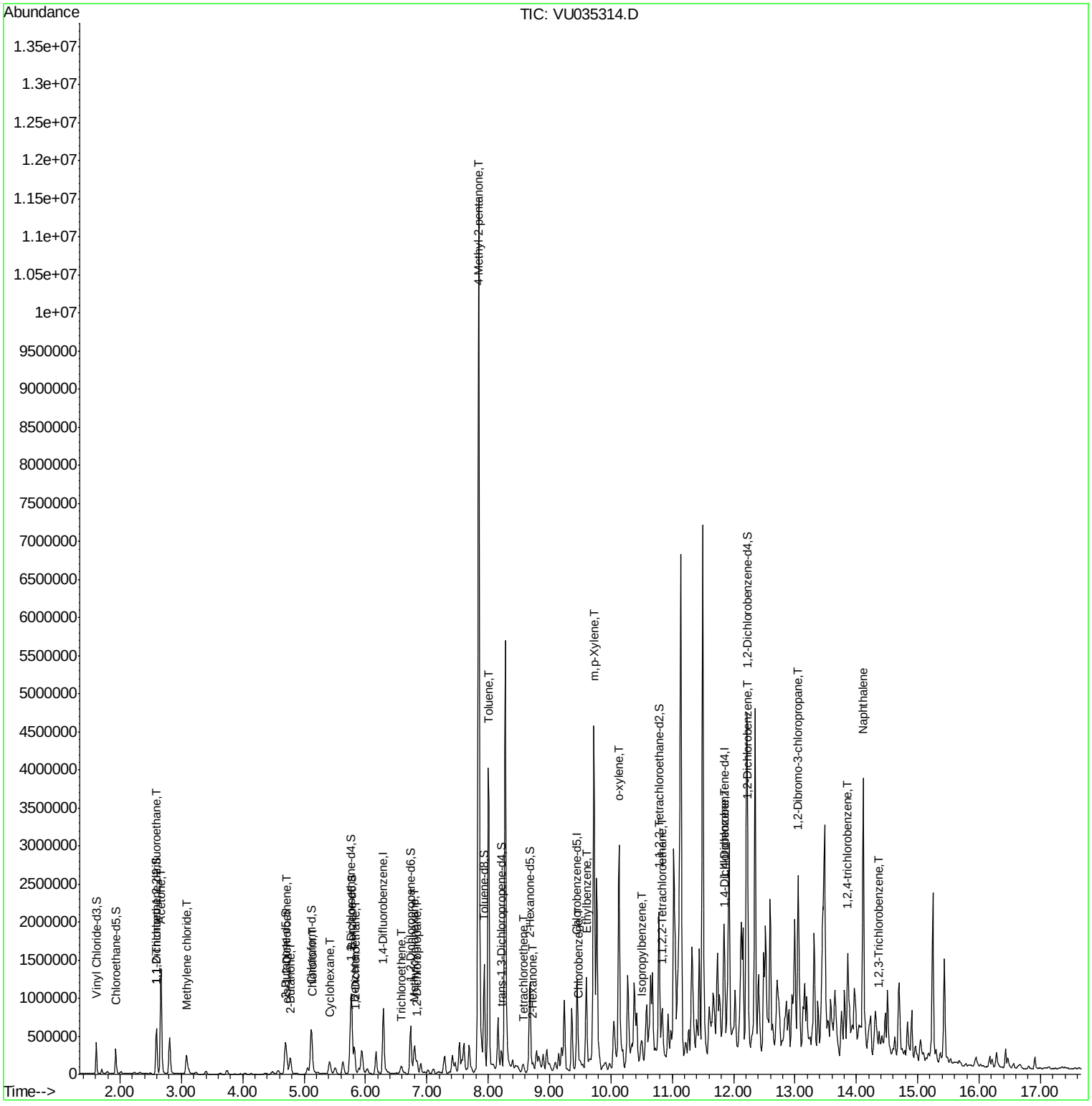
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101919\

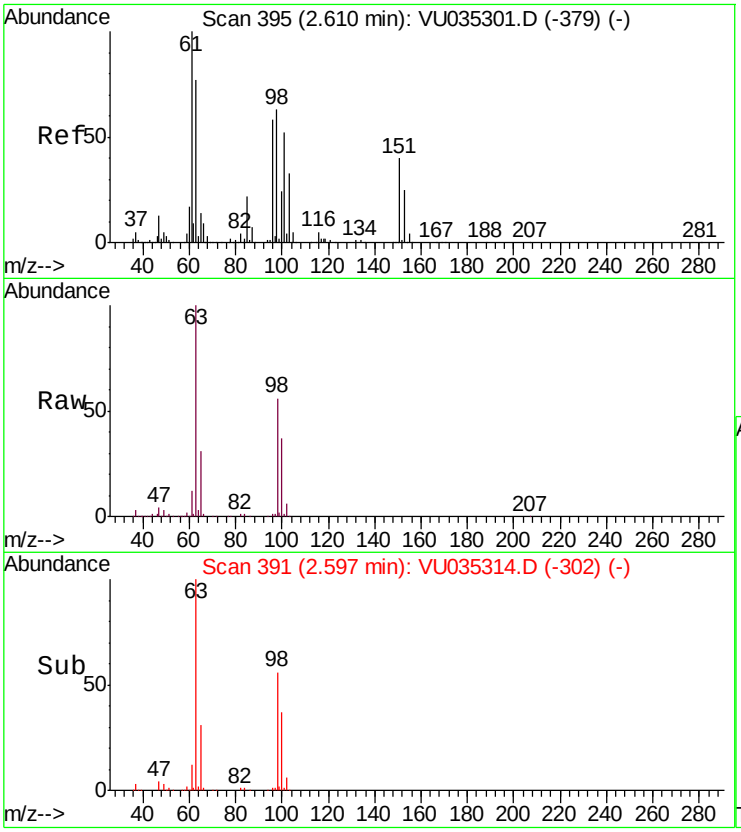
Quantitation Report (Not Reviewed)

Data File : VU035314.D
Acq On : 19 Oct 2019 13:27
Operator : JC/SP
Sample : K5344-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF6L3

Quant Time: Oct 21 05:48:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Oct 21 05:38:49 2019
Response via : Initial Calibration



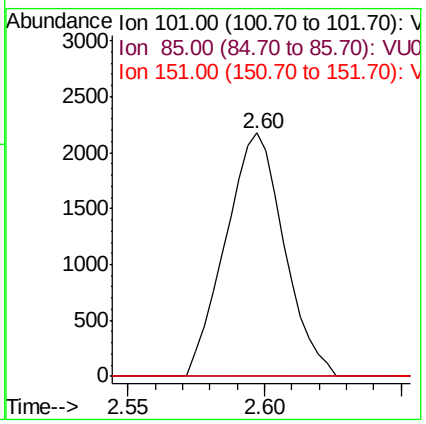


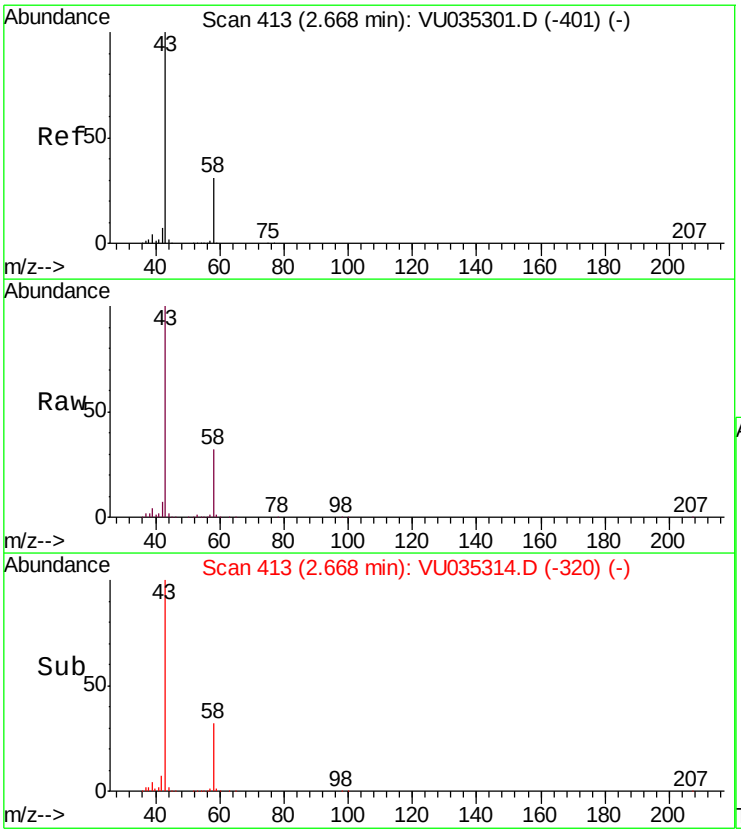
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.736 ug/L
RT: 2.60 min Scan# 391
Delta R.T. -0.01 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Instrument :
MSVOA_U
ClientSampleId :
BF6L3

Tgt Ion:101 Resp: 3243

Ion	Ratio	Lower	Upper
101	100		
85	0.0	33.7	50.5#
151	0.0	60.3	90.5#

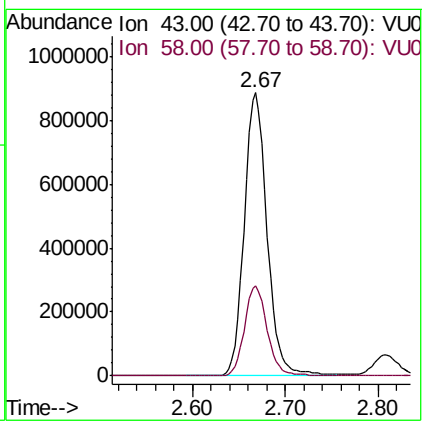


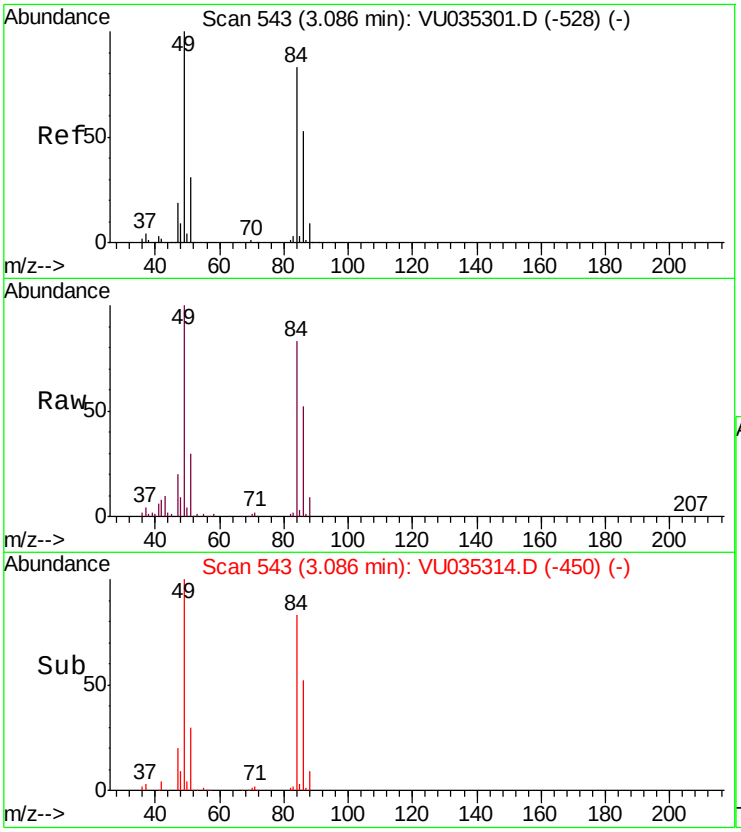


#13
Acetone
Concen: 426.256 ug/L
RT: 2.67 min Scan# 413
Delta R.T. -0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Tgt Ion: 43 Resp: 1511465

Ion	Ratio	Lower	Upper
43	100		
58	31.9	0.0	62.8



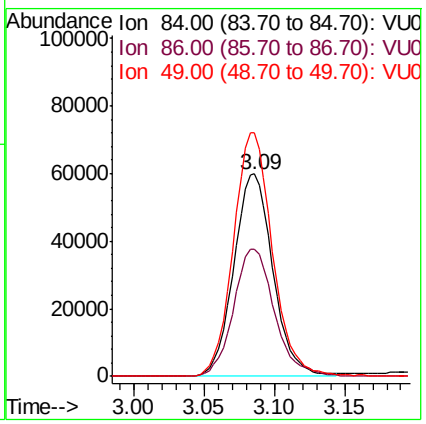


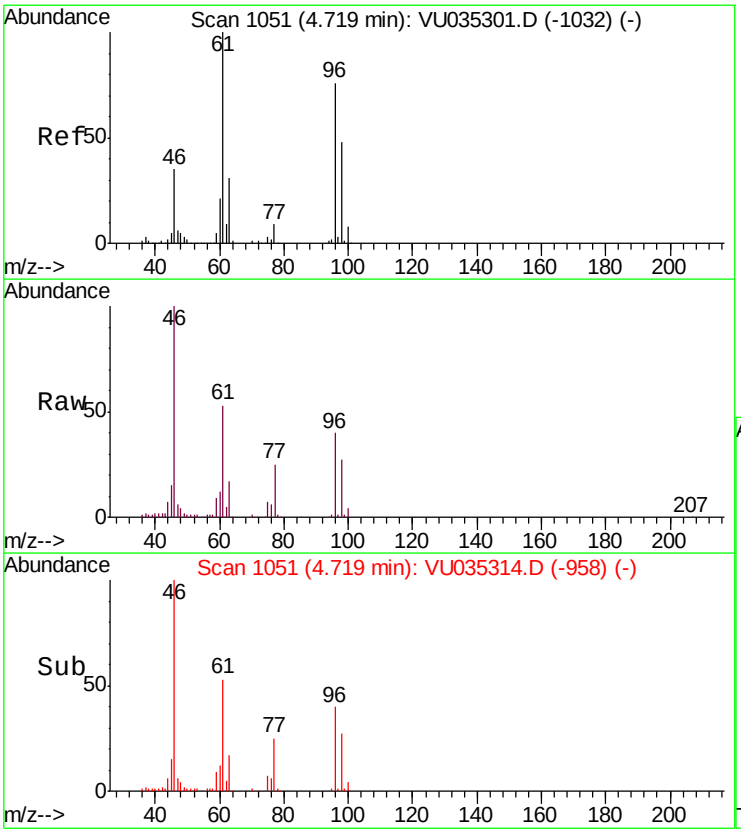
#16
Methylene chloride
Concen: 22.997 ug/L
RT: 3.09 min Scan# 543
Delta R.T. -0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Instrument :
MSVOA_U
ClientSampleId :
BF6L3

Tgt Ion: 84 Resp: 116606

Ion	Ratio	Lower	Upper
84	100		
86	63.0	44.4	82.5
49	120.1	84.0	156.0

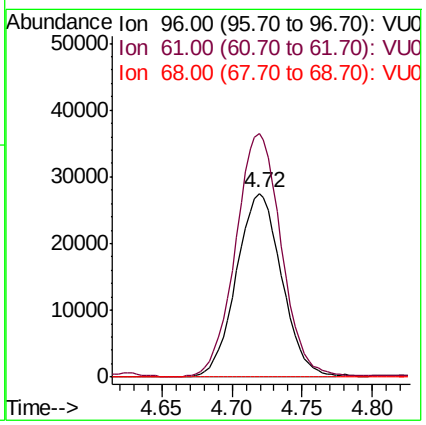


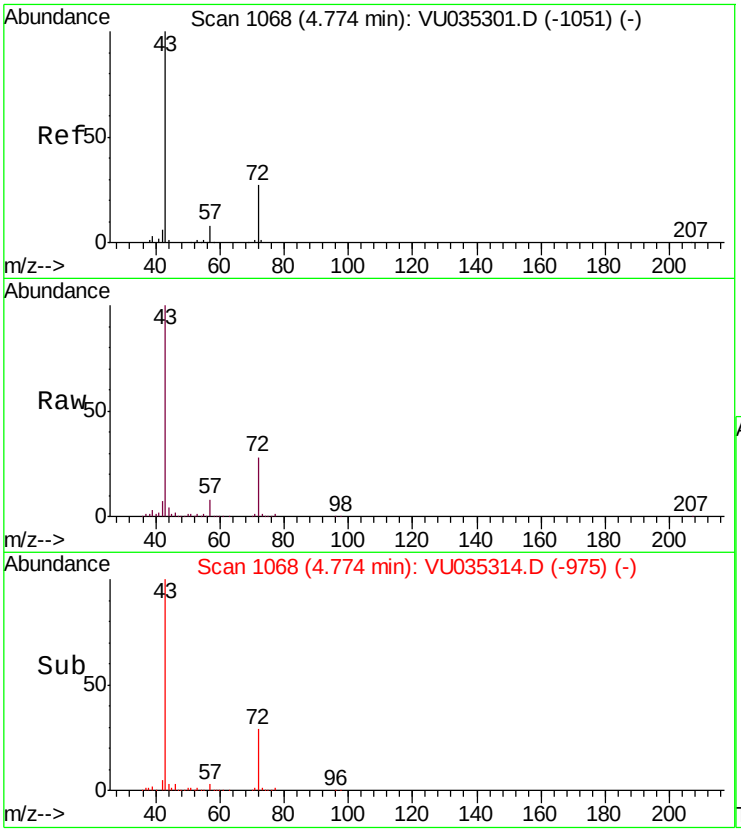


#20
cis-1,2-Dichloroethene
Concen: 11.895 ug/L
RT: 4.72 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Tgt Ion: 96 Resp: 61847

Ion	Ratio	Lower	Upper
96	100		
61	132.3	92.7	172.3
68	0.0	0.0	0.0



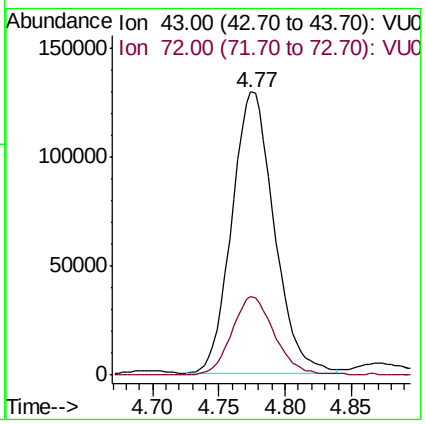


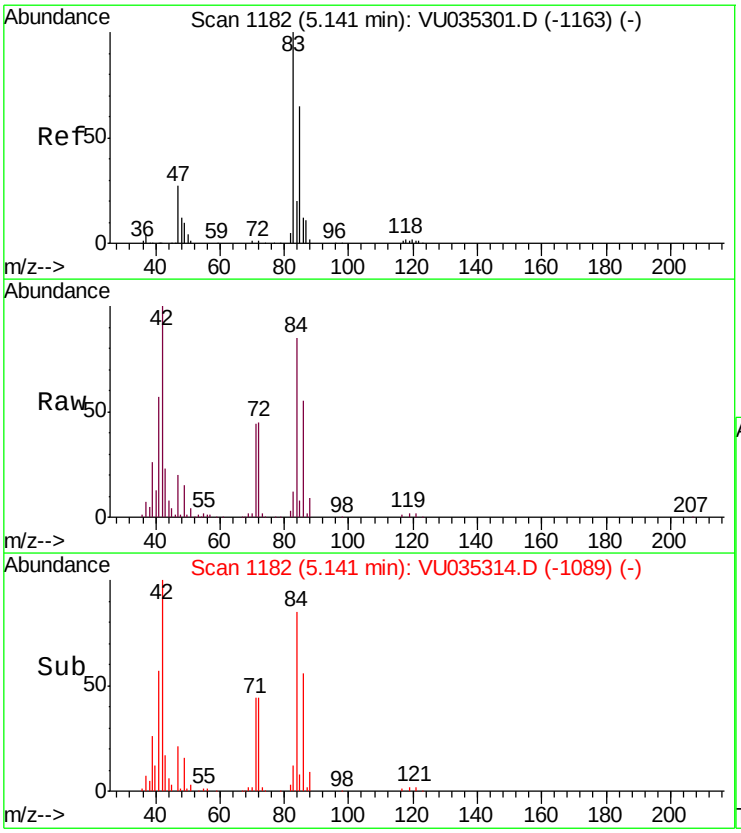
#22
2-Butanone
Concen: 66.907 ug/L
RT: 4.77 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Instrument : MSVOA_U
ClientSampleId : BF6L3

Tgt Ion: 43 Resp: 287055

Ion	Ratio	Lower	Upper
43	100		
72	27.7	12.9	38.6

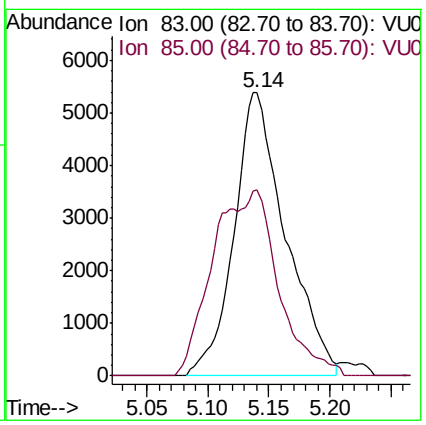


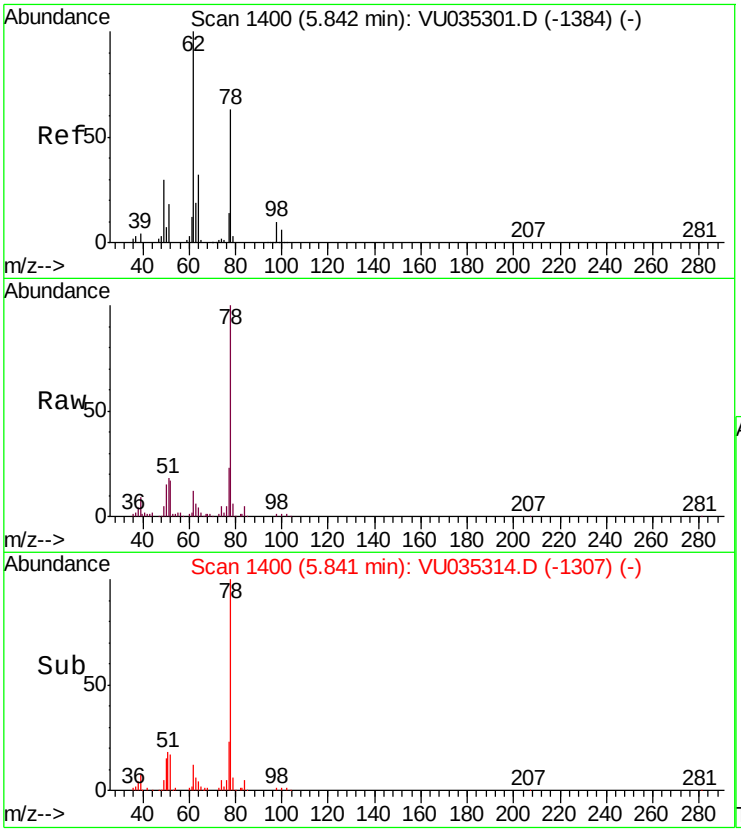


#25
Chloroform
Concen: 1.749 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Tgt Ion: 83 Resp: 15751

Ion	Ratio	Lower	Upper
83	100		
85	65.6	45.5	84.5



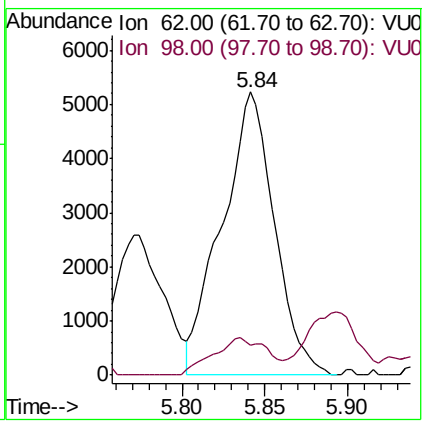


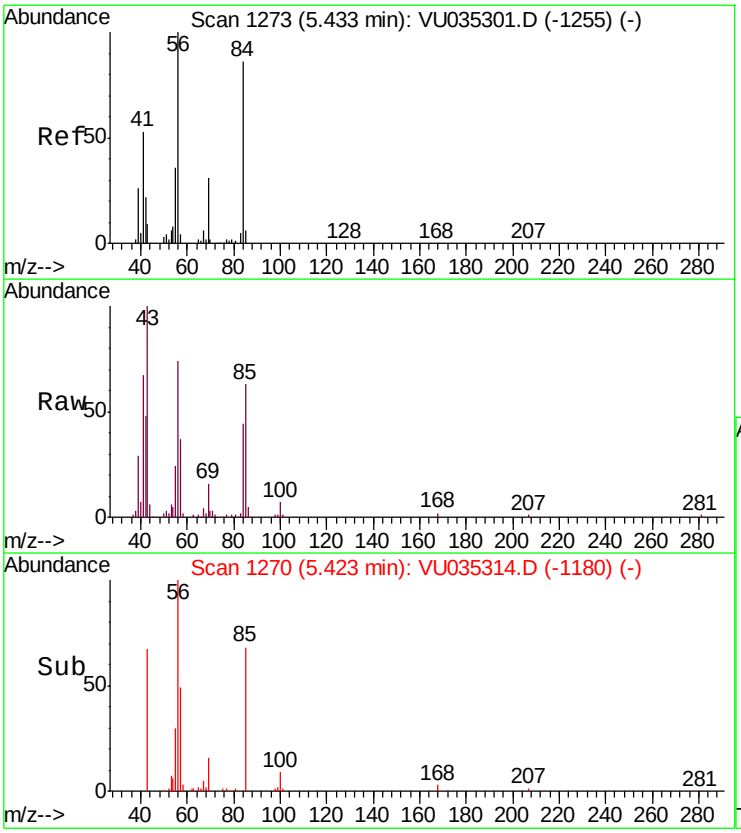
#27
1,2-Dichloroethane
Concen: 1.652 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. -0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Instrument : MSVOA_U
ClientSampleId : BF6L3

Tgt Ion: 62 Resp: 11529

Ion	Ratio	Lower	Upper
62	100		
98	10.7	7.8	11.6

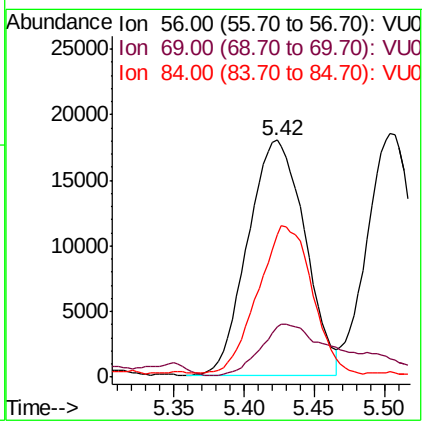


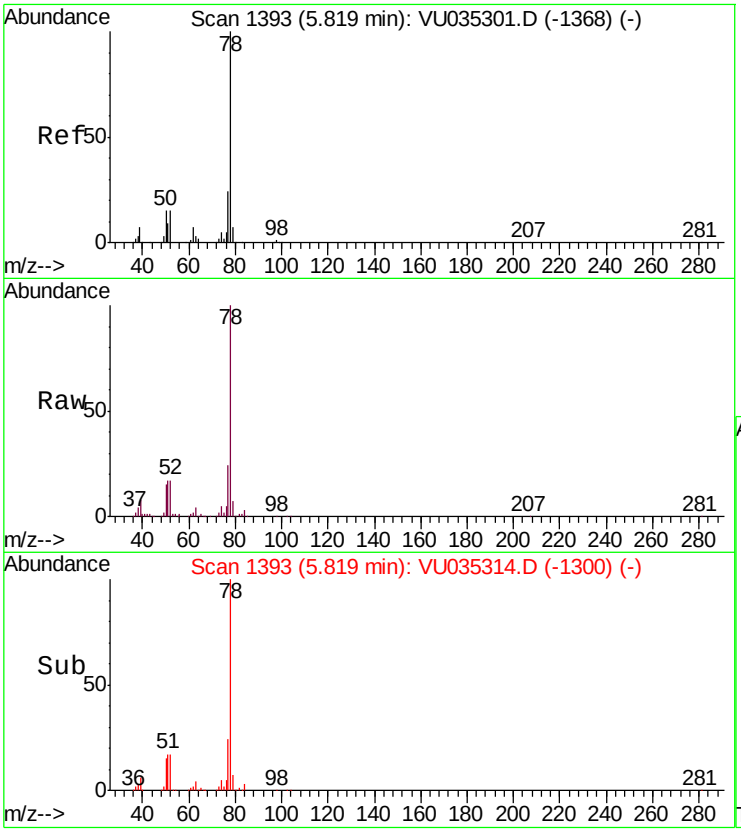


#29
Cyclohexane
Concen: 6.720 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Tgt Ion: 56 Resp: 50855

Ion	Ratio	Lower	Upper
56	100		
69	18.6	24.2	36.4#
84	59.2	71.1	106.7#

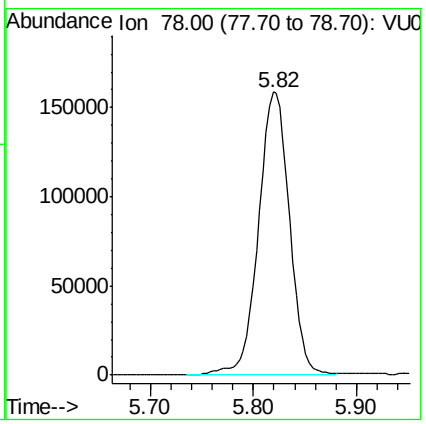


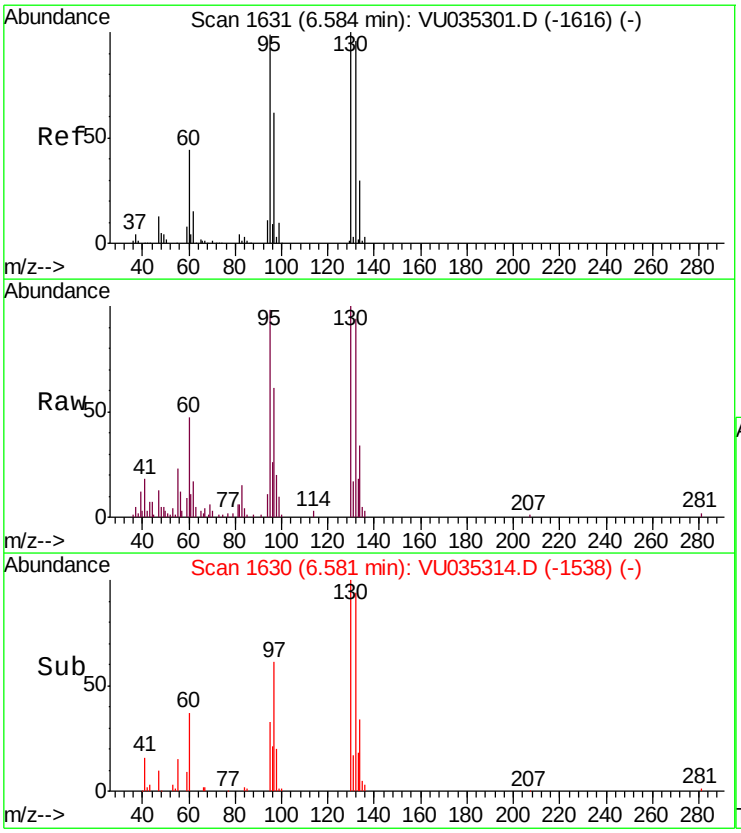


#33
Benzene
Concen: 17.301 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Instrument :
MSVOA_U
ClientSampleId :
BF6L3

Tgt Ion: 78 Resp: 331035

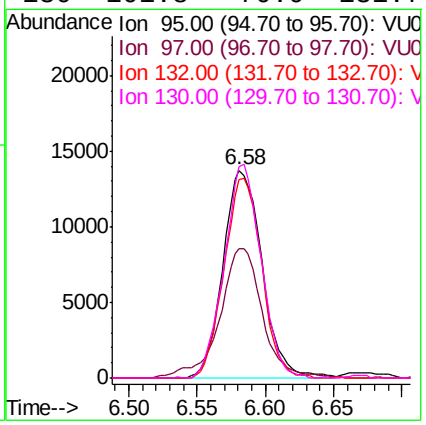


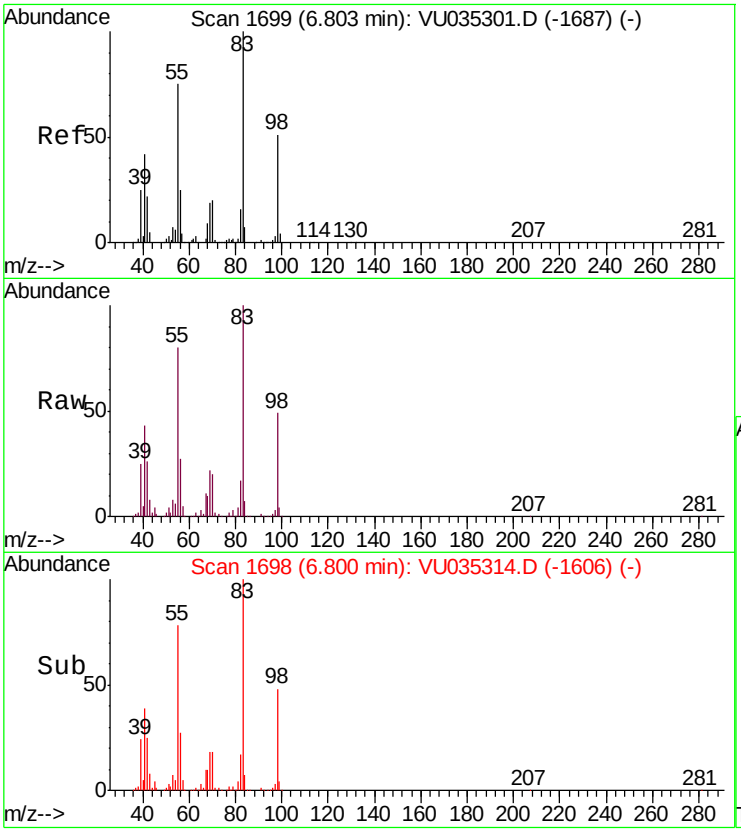


#34
Trichloroethene
Concen: 5.556 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Tgt Ion: 95 Resp: 27392

Ion	Ratio	Lower	Upper
95	100		
97	62.4	44.2	82.2
132	95.5	67.8	125.8
130	101.8	70.9	131.7



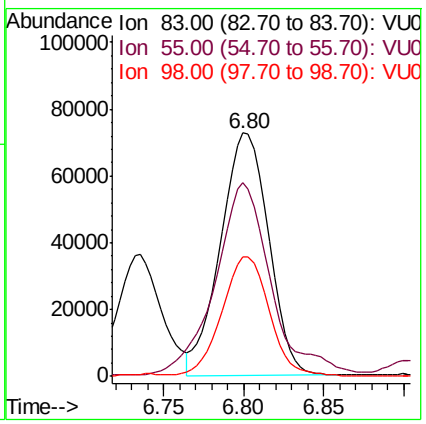


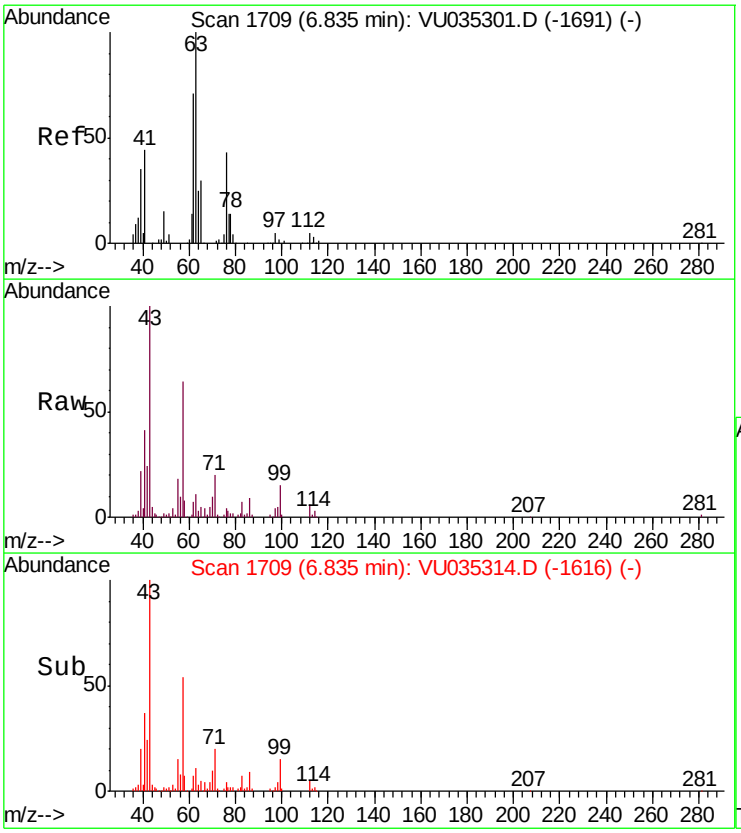
#35
Methylcyclohexane
Concen: 19.655 ug/L
RT: 6.80 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Instrument : MSVOA_U
ClientSampleId : BF6L3

Tgt Ion: 83 Resp: 149822

Ion	Ratio	Lower	Upper
83	100		
55	91.5	59.5	89.3#
98	48.3	39.9	59.9

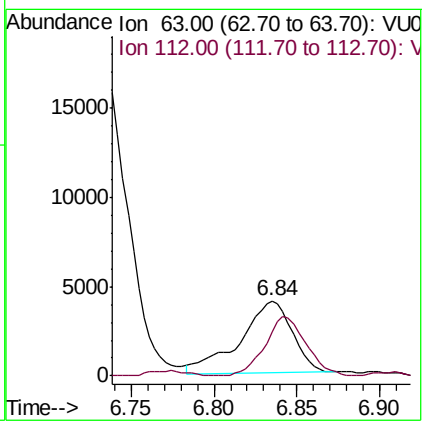


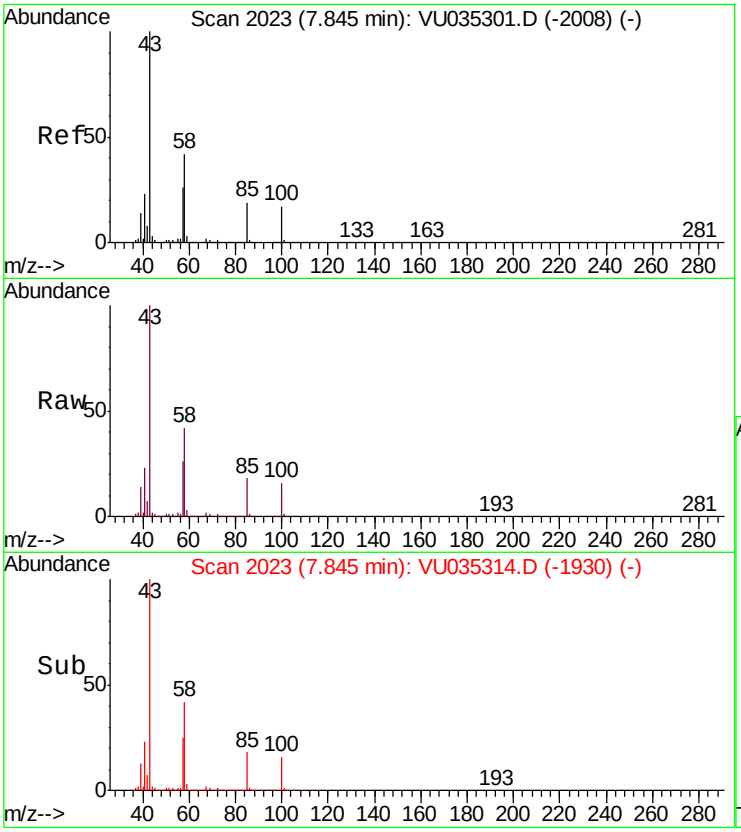


#37
1,2-Dichloropropane
Concen: 1.790 ug/L
RT: 6.84 min Scan# 1709
Delta R.T. -0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Tgt Ion: 63 Resp: 8868

Ion	Ratio	Lower	Upper
63	100		
112	64.7	3.6	5.4#



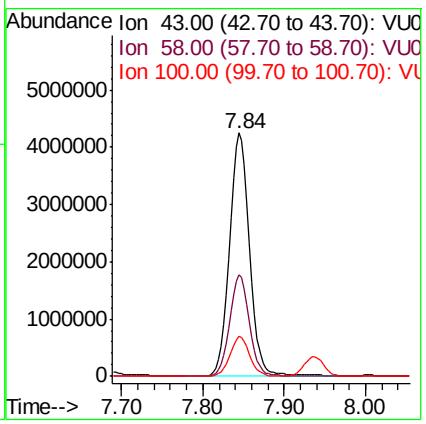


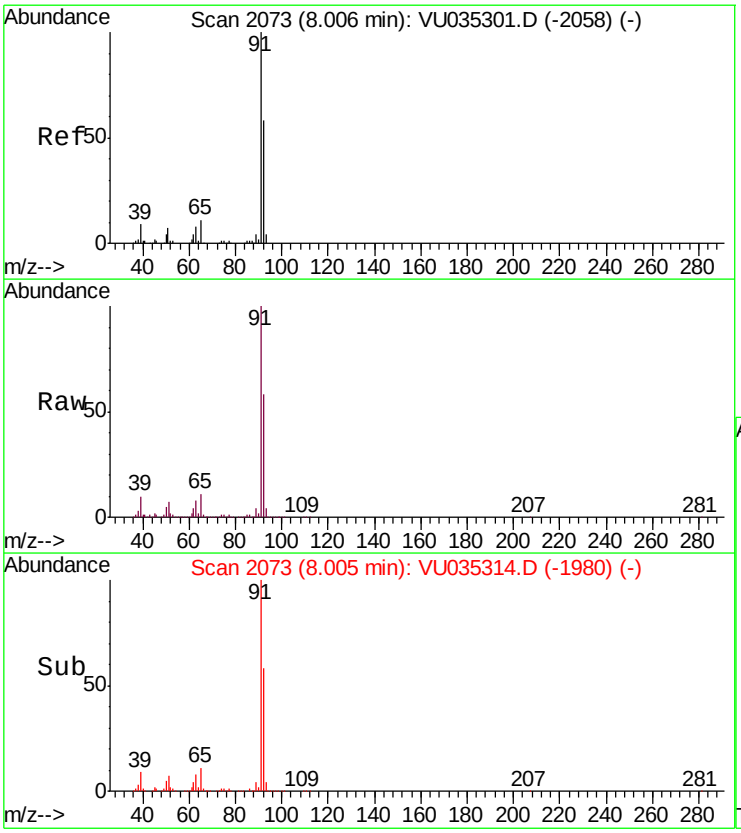
#40
4-Methyl-2-pentanone
Concen: 1007.152 ug/L
RT: 7.84 min Scan# 2023
Delta R.T. -0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Instrument :
MSVOA_U
ClientSampleId :
BF6L3

Tgt Ion: 43 Resp: 7372761

Ion	Ratio	Lower	Upper
43	100		
58	41.1	33.1	49.7
100	16.0	13.2	19.8

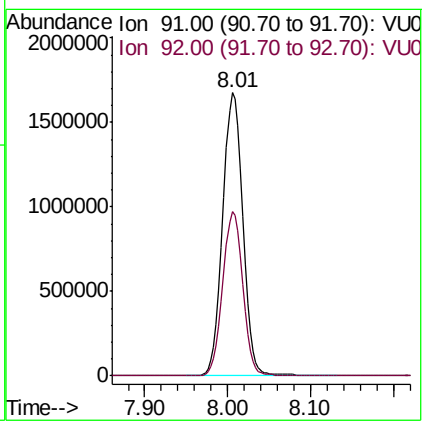


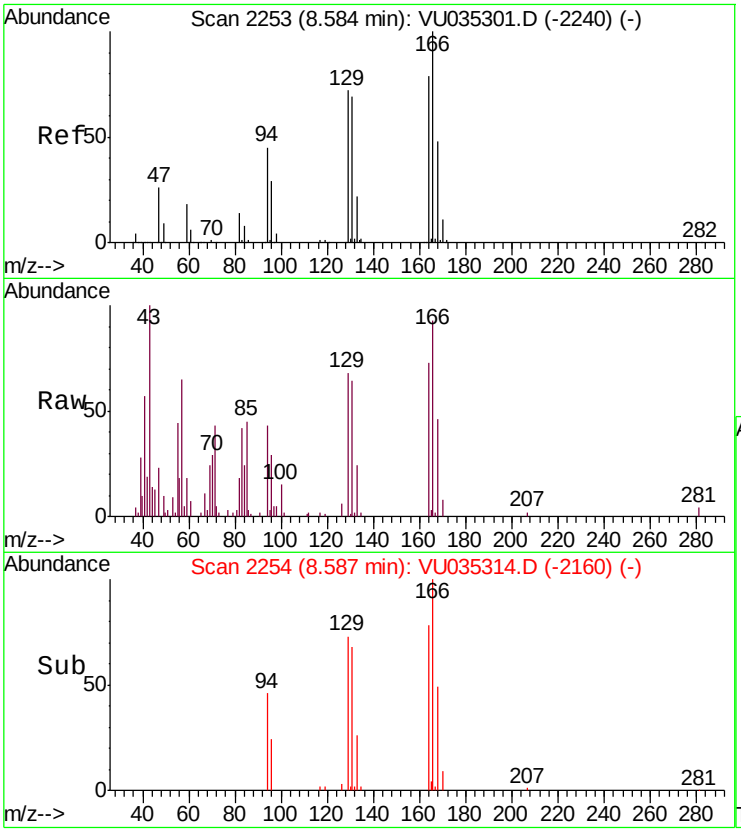


#42
Toluene
Concen: 135.593 ug/L
RT: 8.01 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Tgt Ion: 91 Resp: 2839926

Ion	Ratio	Lower	Upper
91	100		
92	57.9	40.3	74.9



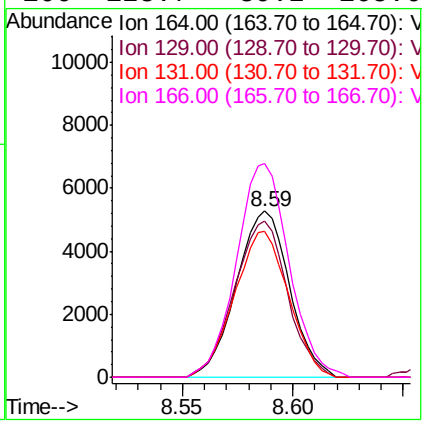


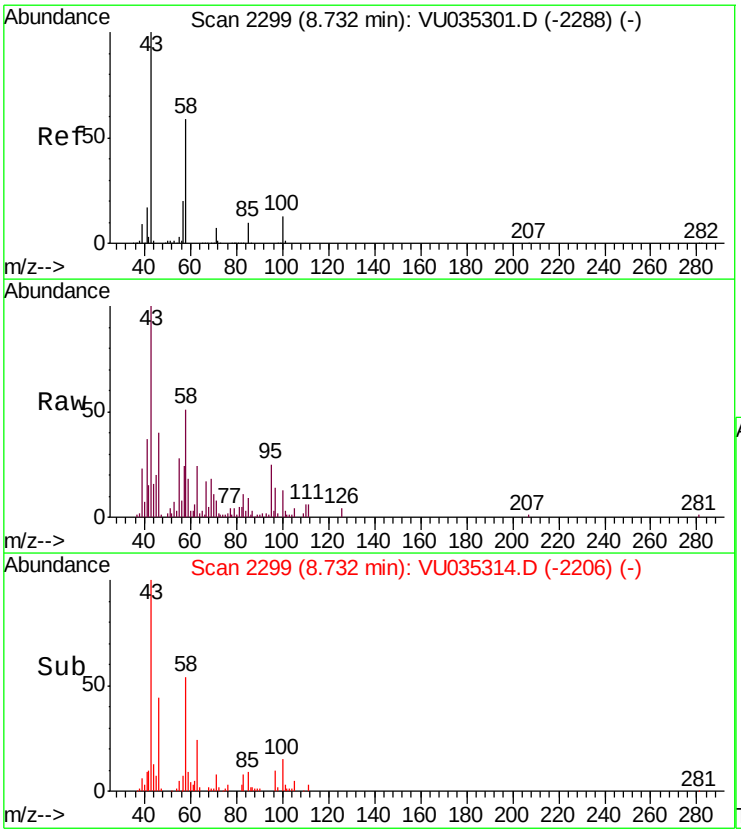
#46
Tetrachloroethene
Concen: 2.226 ug/L
RT: 8.59 min Scan# 2254
Delta R.T. 0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Instrument : MSVOA_U
ClientSampleId : BF6L3

Tgt Ion:164 Resp: 8864

Ion	Ratio	Lower	Upper
164	100		
129	94.0	64.0	119.0
131	87.8	61.8	114.8
166	128.7	89.2	165.6

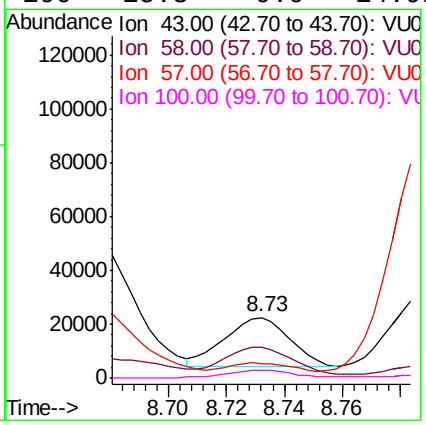


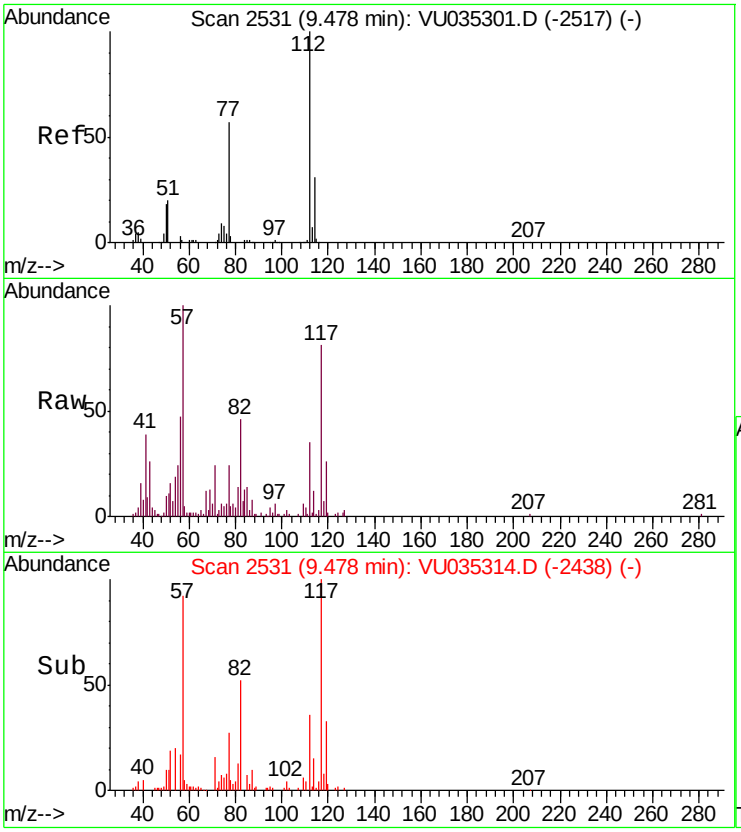


#48
2-Hexanone
Concen: 4.499 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Tgt Ion: 43 Resp: 28015

Ion	Ratio	Lower	Upper
43	100		
58	59.9	42.7	64.1
57	15.1	14.8	22.2
100	15.3	9.9	14.9#



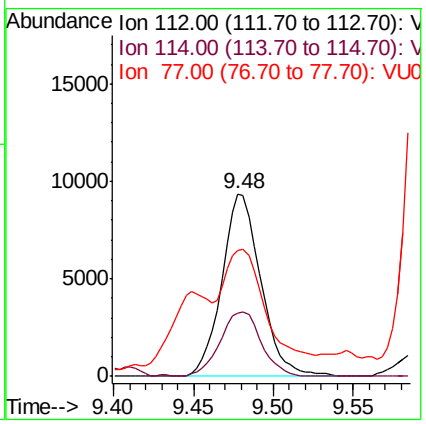


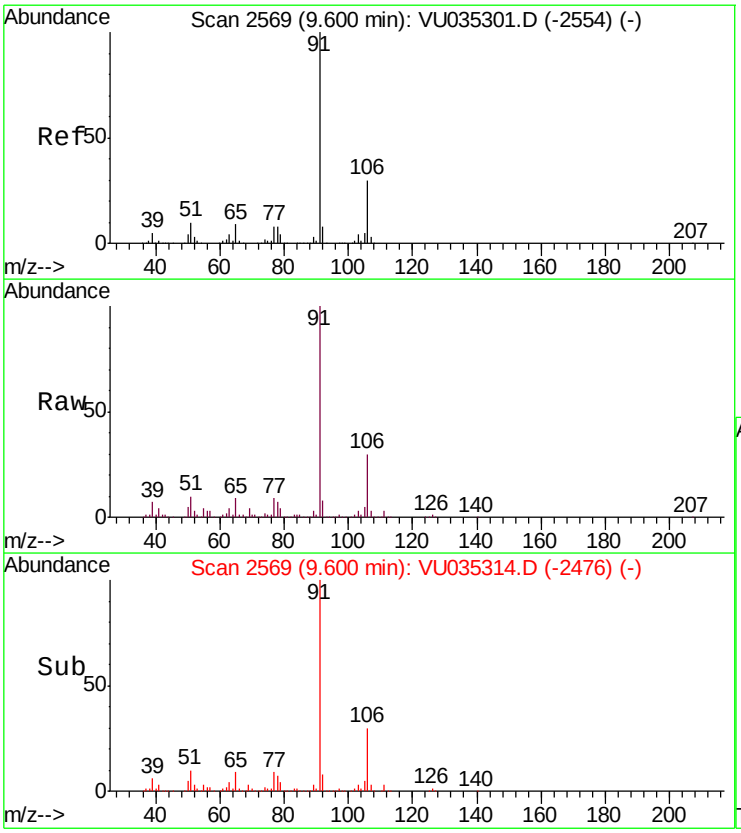
#51
Chlorobenzene
Concen: 1.135 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Instrument :
MSVOA_U
ClientSampleId :
BF6L3

Tgt Ion:112 Resp: 15498

Ion	Ratio	Lower	Upper
112	100		
114	34.8	21.9	40.7
77	69.3	46.2	69.2#

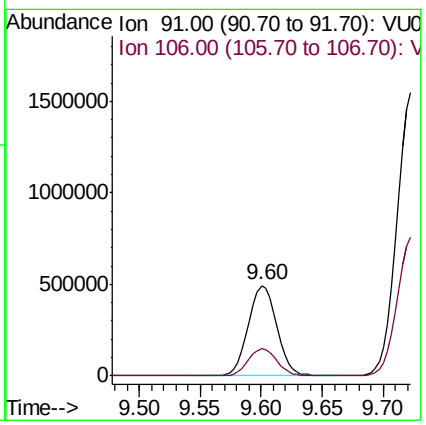


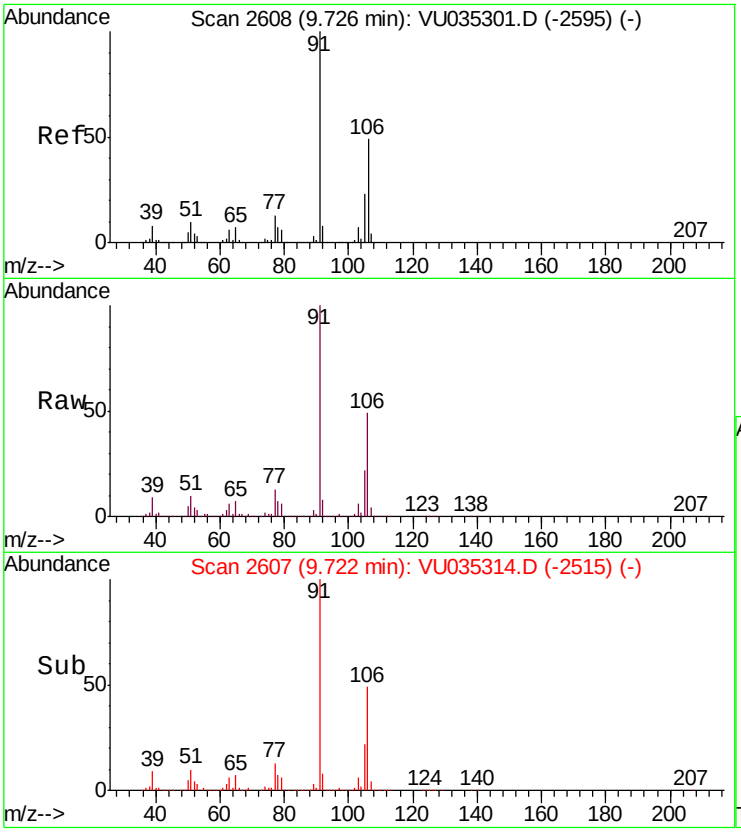


#52
Ethylbenzene
Concen: 33.923 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Tgt Ion: 91 Resp: 791923

Ion	Ratio	Lower	Upper
91	100		
106	30.2	21.3	39.6



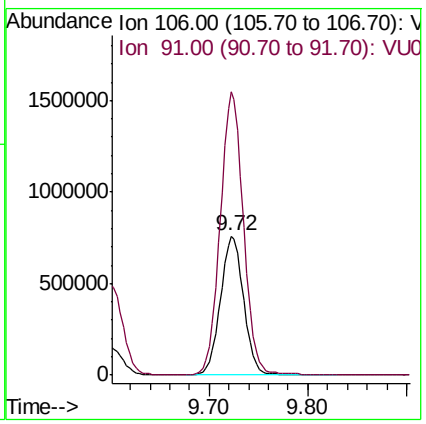


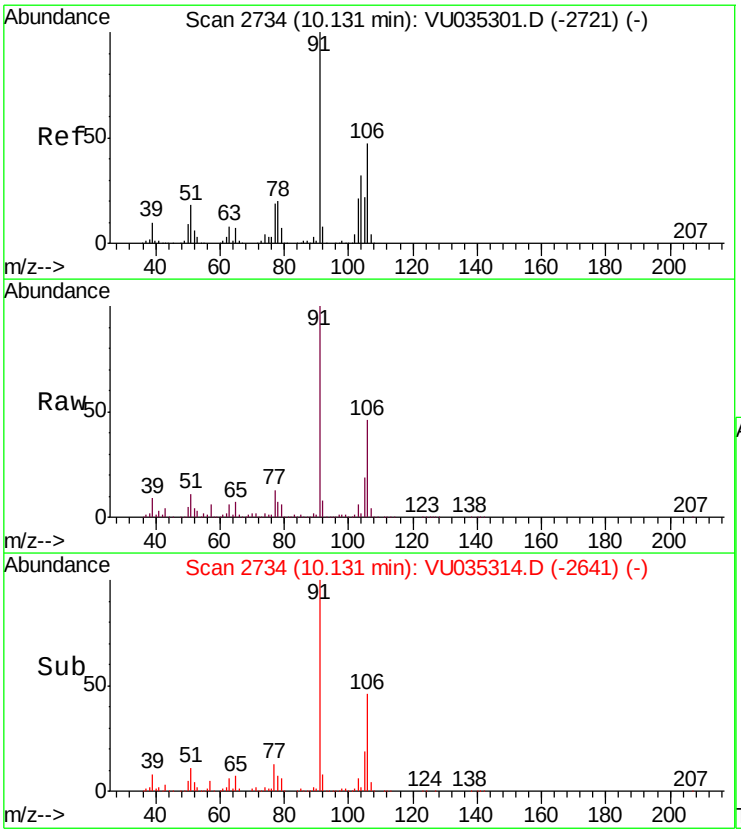
#53
m,p-Xylene
Concen: 145.942 ug/L
RT: 9.72 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Instrument :
MSVOA_U
ClientSampleId :
BF6L3

Tgt Ion:106 Resp: 1255880

Ion	Ratio	Lower	Upper
106	100		
91	204.0	141.5	262.9

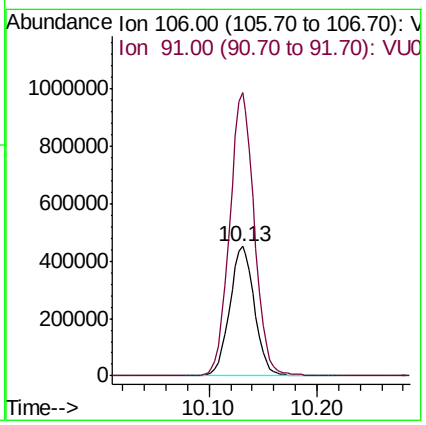


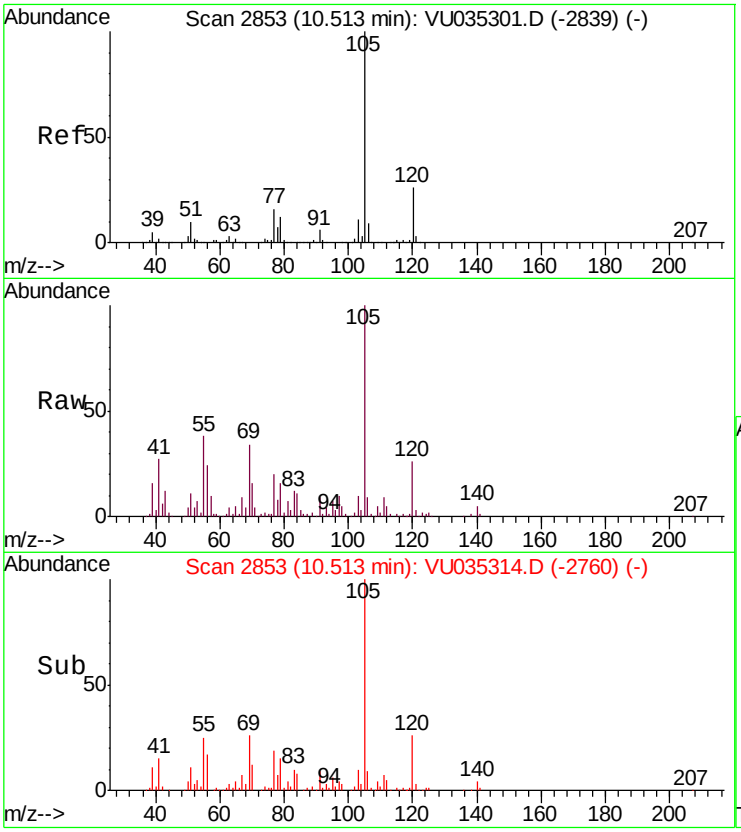


#54
o-xylene
Concen: 84.362 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Tgt Ion:106 Resp: 720072

Ion	Ratio	Lower	Upper
106	100		
91	218.8	150.6	279.8



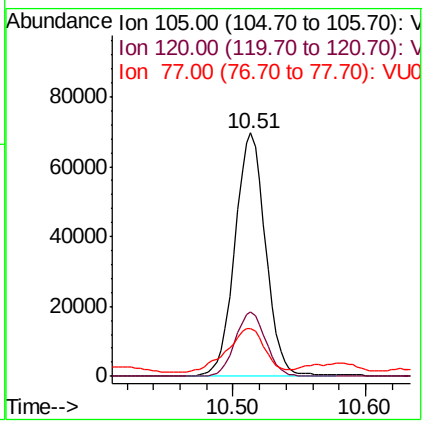


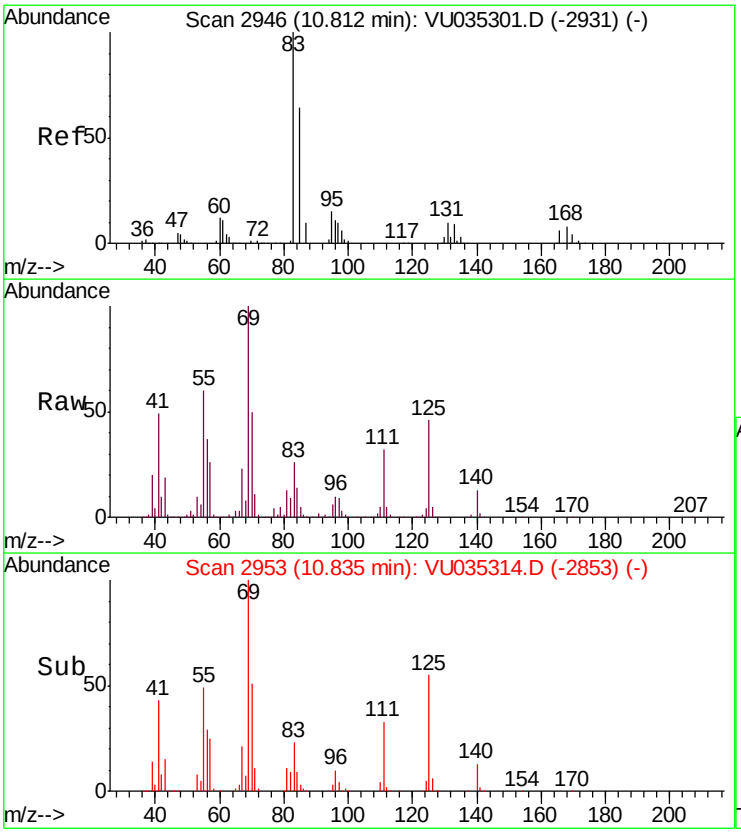
#56
Isopropylbenzene
Concen: 5.011 ug/L
RT: 10.51 min Scan# 2853
Delta R.T. -0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Instrument :
MSVOA_U
ClientSampleId :
BF6L3

Tgt Ion:105 Resp: 110733

Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.1	31.7
77	21.9	12.7	19.1#

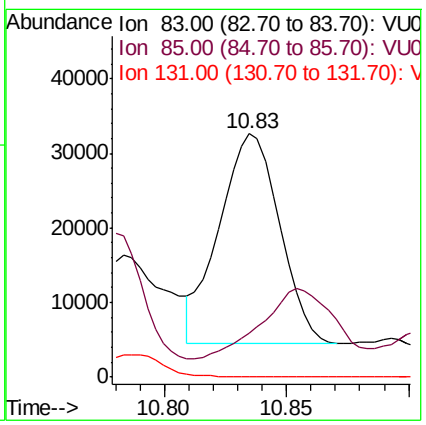


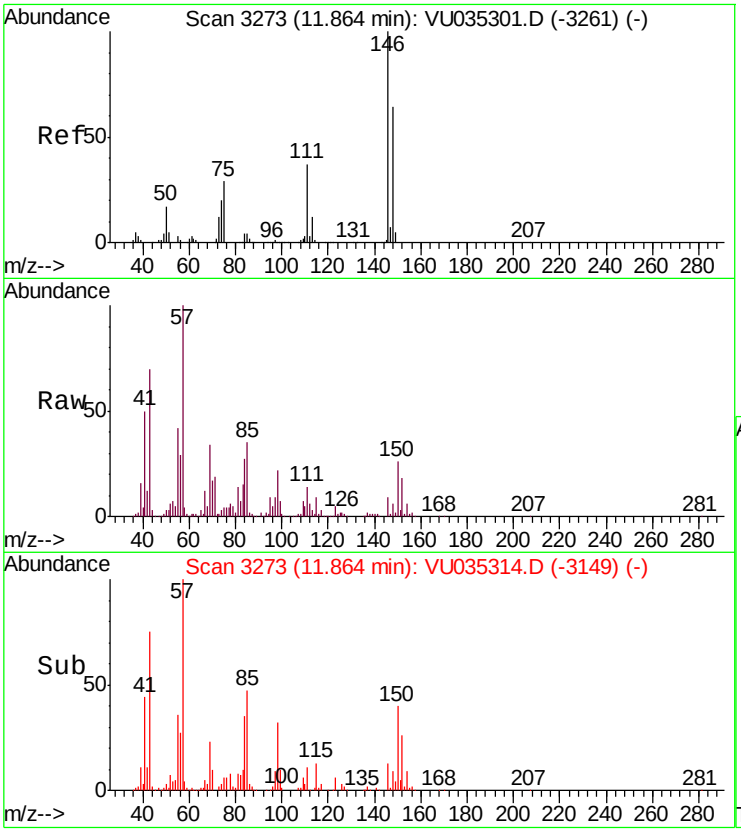


#58
1,1,2,2-Tetrachloroethane
Concen: 5.683 ug/L
RT: 10.83 min Scan# 2953
Delta R.T. 0.02 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Tgt Ion: 83 Resp: 48521

Ion	Ratio	Lower	Upper
83	100		
85	18.0	44.9	83.5#
131	0.0	7.8	11.6#



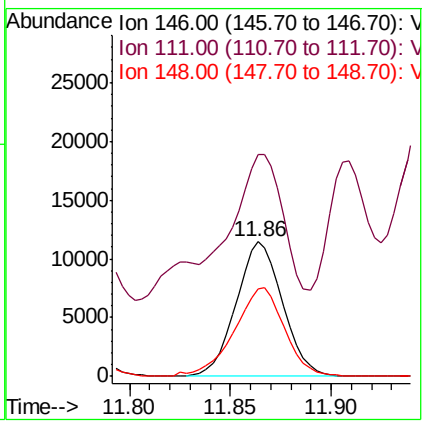


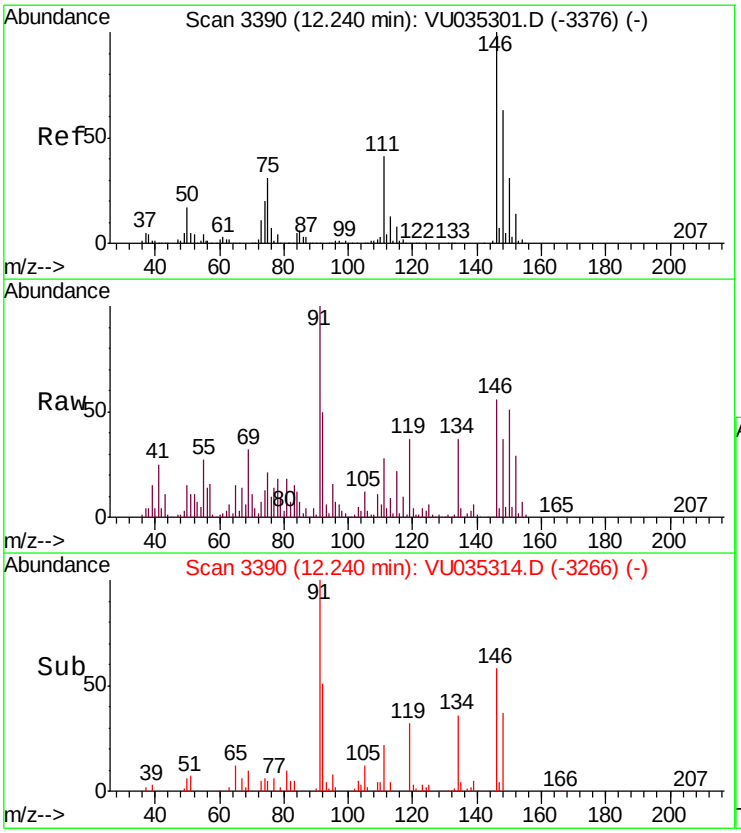
#63
1,4-Dichlorobenzene
Concen: 1.685 ug/L
RT: 11.86 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Instrument : MSVOA_U
ClientSampleId : BF6L3

Tgt Ion:146 Resp: 18440

Ion	Ratio	Lower	Upper
146	100		
111	164.7	26.2	48.8#
148	65.1	44.5	82.7

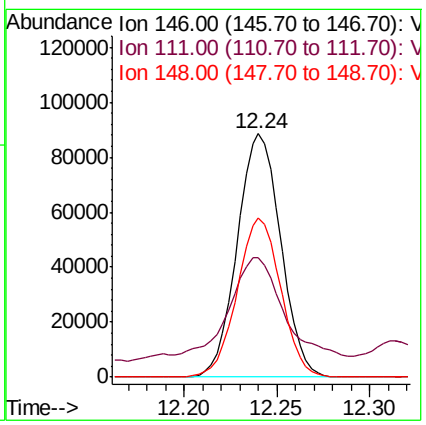


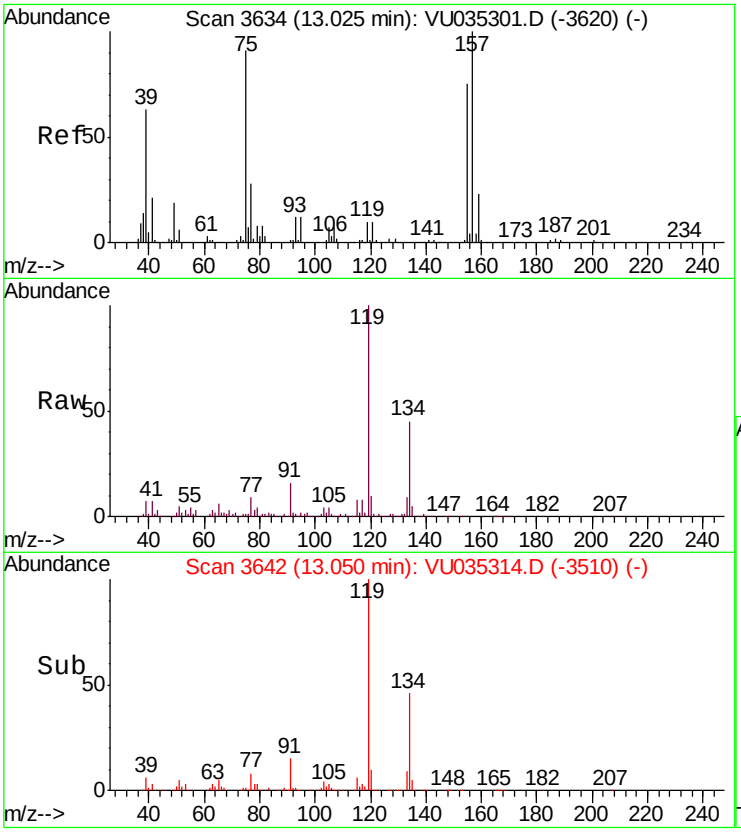


#65
1,2-Dichlorobenzene
Concen: 13.260 ug/L
RT: 12.24 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Tgt Ion:146 Resp: 144629

Ion	Ratio	Lower	Upper
146	100		
111	49.2	32.8	49.2
148	65.5	50.2	75.4



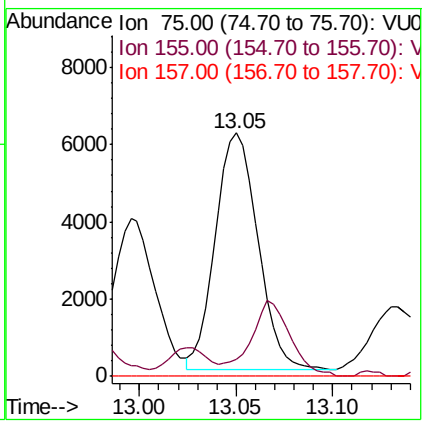


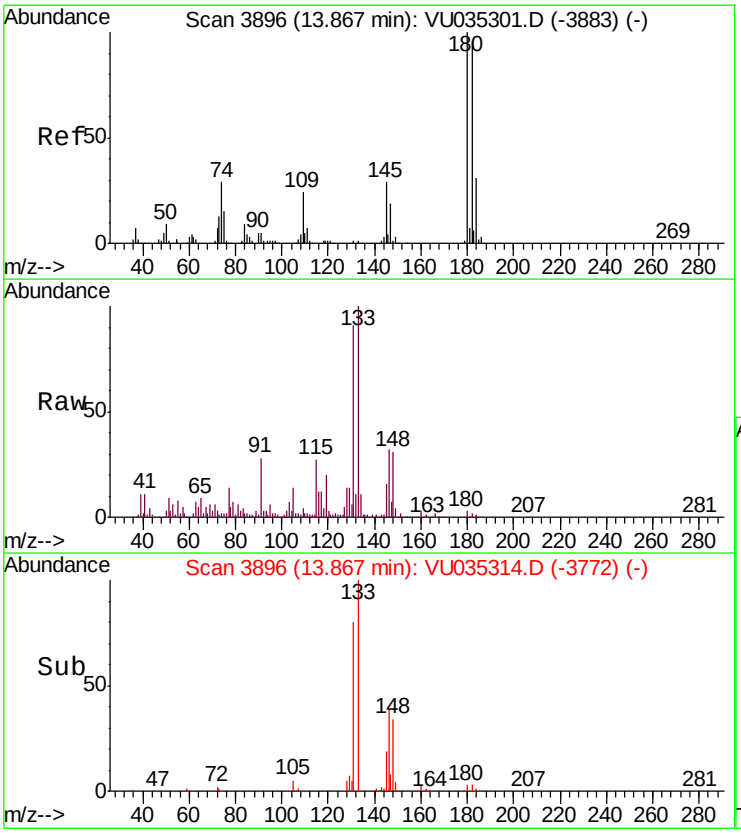
#66
1,2-Dibromo-3-chloropropane
Concen: 5.404 ug/L
RT: 13.05 min Scan# 3642
Delta R.T. 0.03 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Instrument :
MSVOA_U
ClientSampleId :
BF6L3

Tgt Ion: 75 Resp: 9317

Ion	Ratio	Lower	Upper
75	100		
155	7.2	66.2	99.2#
157	0.0	88.2	132.2#

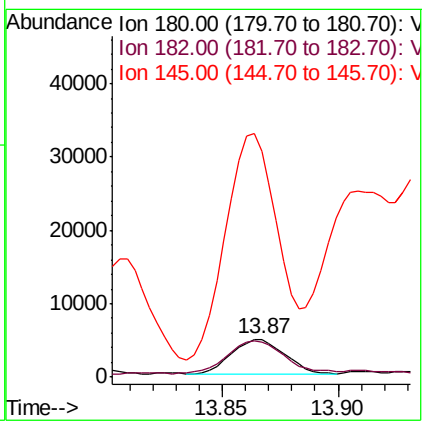


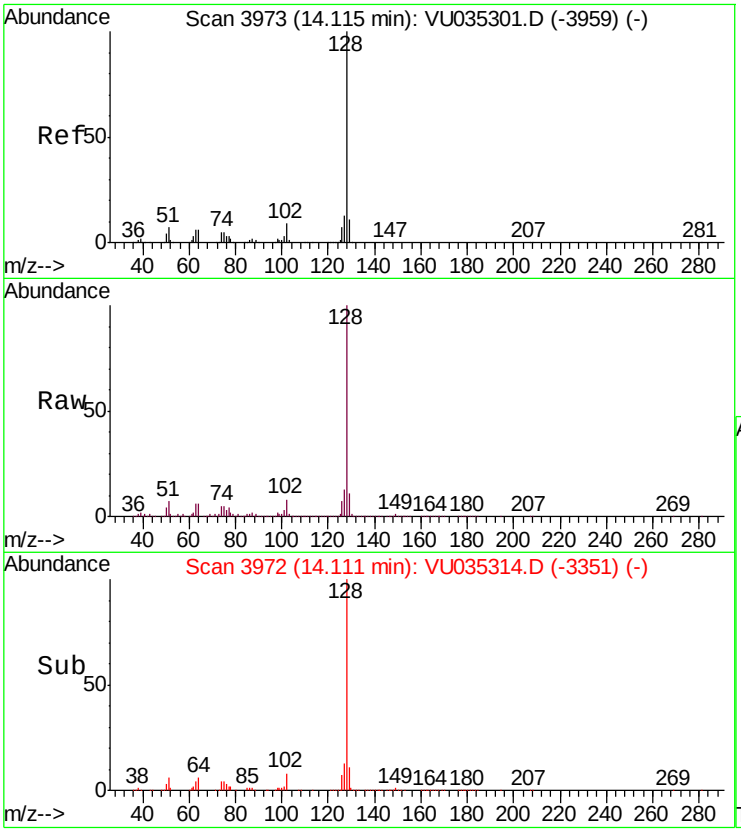


#68
1,2,4-trichlorobenzene
Concen: 1.847 ug/L
RT: 13.87 min Scan# 3896
Delta R.T. -0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Tgt Ion:180 Resp: 7442

Ion	Ratio	Lower	Upper
180	100		
182	102.1	76.2	114.2
145	644.8	22.8	34.2#



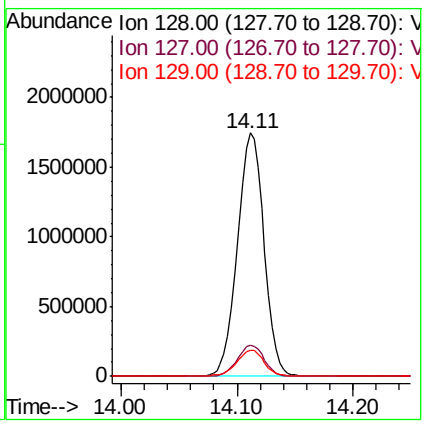


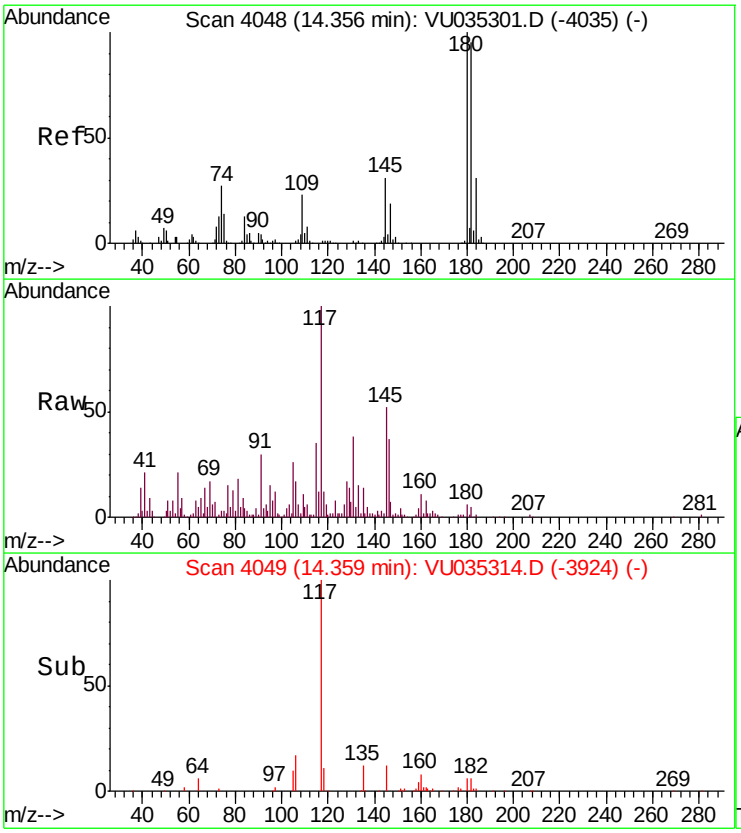
#69
Naphthalene
Concen: 248.771 ug/L
RT: 14.11 min Scan# 3972
Delta R.T. -0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Instrument :
MSVOA_U
ClientSampleId :
BF6L3

Tgt Ion:128 Resp: 2759728

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.0	8.6	13.0





#70
1,2,3-Trichlorobenzene
Concen: 0.947 ug/L
RT: 14.36 min Scan# 4049
Delta R.T. 0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Tgt Ion:180 Resp: 3948

Ion	Ratio	Lower	Upper
180	100		
182	60.3	76.2	114.2#
145	1813.9	24.2	36.4#