Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034747.D
Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

Quant Time: Sep 24 04:42:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 03:36:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	481129	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	461538	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	231461	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	203108	41.24	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 82.48%			
7) Chloroethane-d5	1.67	69	170859	44.88	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.76%			
11) 1,1-Dichloroethene-d2	2.26	63	281899	33.80	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 67.60%			
21) 2-Butanone-d5	4.15	46	444503	117.75	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 117.75%			
24) Chloroform-d	4.62	84	352750	49.26	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.52%			
26) 1,2-Dichloroethane-d4	5.29	65	254710	48.39	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.78%			
32) Benzene-d6	5.32	84	725623	50.72	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.44%			
36) 1,2-Dichloropropane-d6	6.31	67	253762	50.75	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 101.50%			
41) Toluene-d8	7.54	98	698952	51.36	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.72%			
43) trans-1,3-Dichloropropene-	7.83	79	117791	49.19	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 98.38%			
47) 2-Hexanone-d5	8.29	63	300258	119.56	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 119.56%			
57) 1,1,2,2-Tetrachloroethane-	10.41	84	341004	49.15	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 98.30%			
64) 1,2-Dichlorobenzene-d4	11.84	152	252278	51.98	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.96%			
Target Compounds						Qvalue
5) Vinyl chloride	1.40	62	7925	1.461	ug/L #	36
13) Acetone	2.31	43	459577	104.658	ug/L	99
15) Methyl Acetate	2.61	43	6285	1.071	ug/L #	81
16) Methylene chloride	2.69	84	126376	31.694	ug/L	95
19) 1,1-Dichloroethane	3.42	63	8386	1.062	ug/L	94
20) cis-1,2-Dichloroethene	4.20	96	174863	43.453	ug/L	97
22) 2-Butanone	4.24	43	111375	21.319	ug/L	98
27) 1,2-Dichloroethane	5.38	62	25455	3.790	ug/L	100
29) Cyclohexane	4.97	56	42838	5.623	ug/L	92
33) Benzene	5.37	78	1090498	68.125	ug/L	100
34) Trichloroethene	6.16	95	29397	7.436	ug/L	92
35) Methylcyclohexane	6.39	83	37690	5.618	ug/L	96
37) 1,2-Dichloropropane	6.41	63	20080	4.213	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	5430808	596.805	ug/L	99
42) Toluene	7.62	91	8772733	507.110	ug/L	99
46) Tetrachloroethene	8.21	164	17637	6.342	ug/L	94
51) Chlorobenzene	9.10	112	21111	2.007	ug/L	97

Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034747.D
Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

Quant Time: Sep 24 04:42:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 03:36:55 2019
Response via : Initial Calibration

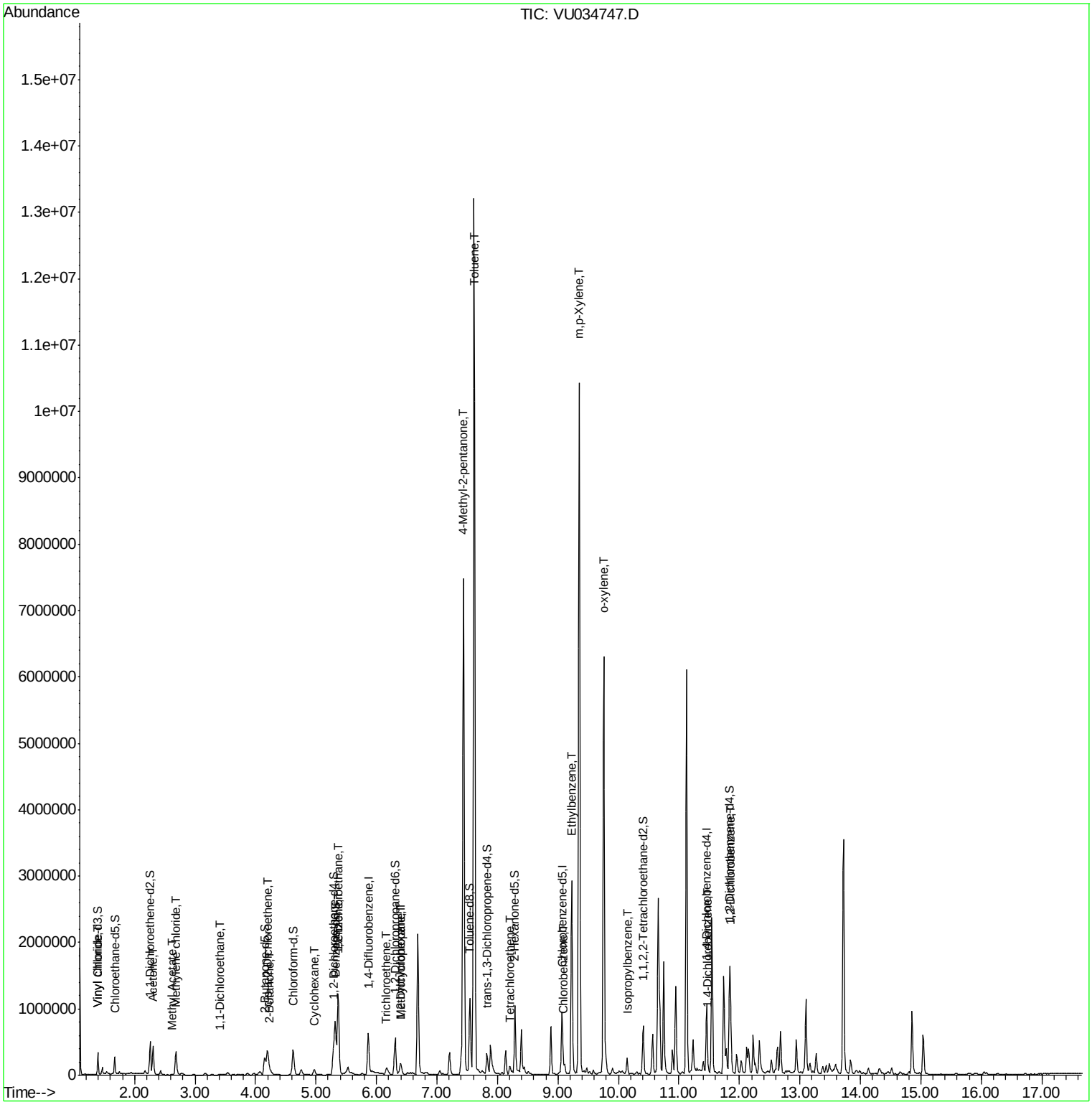
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	9.23	91	1941536	99.665	ug/L	99
53) m,p-Xylene	9.35	106	2596725	376.340	ug/L	99
54) o-xylene	9.76	106	1469754	215.360	ug/L	96
56) Isopropylbenzene	10.14	105	135598	7.369	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	15318	1.876	ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	145150	17.922	ug/L	97

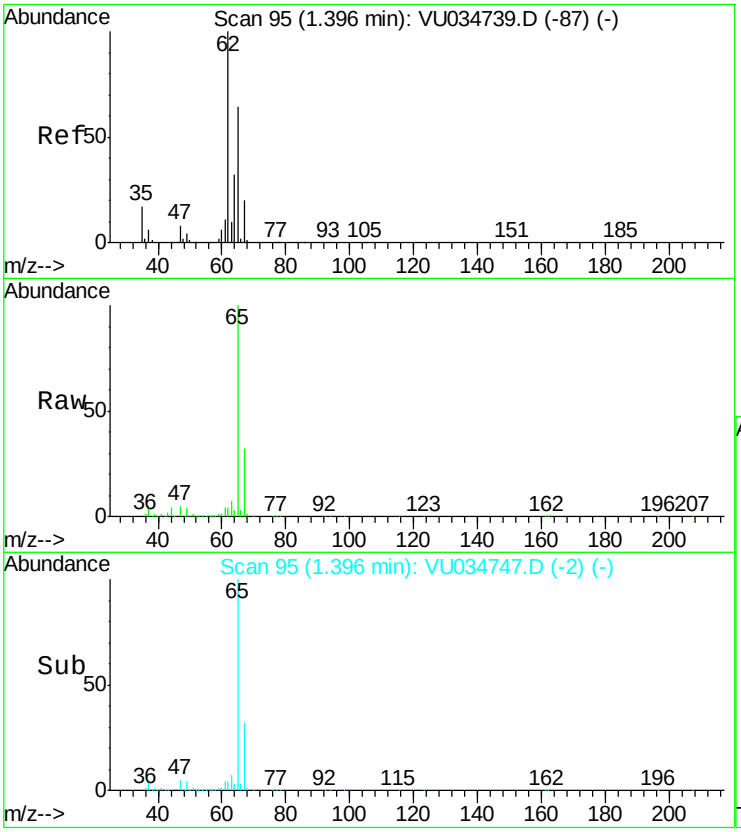
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034747.D
Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

Quant Time: Sep 24 04:42:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 03:36:55 2019
Response via : Initial Calibration



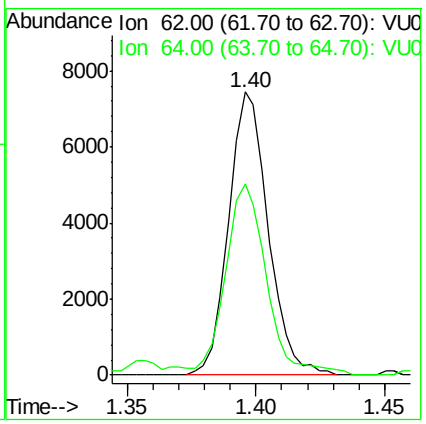


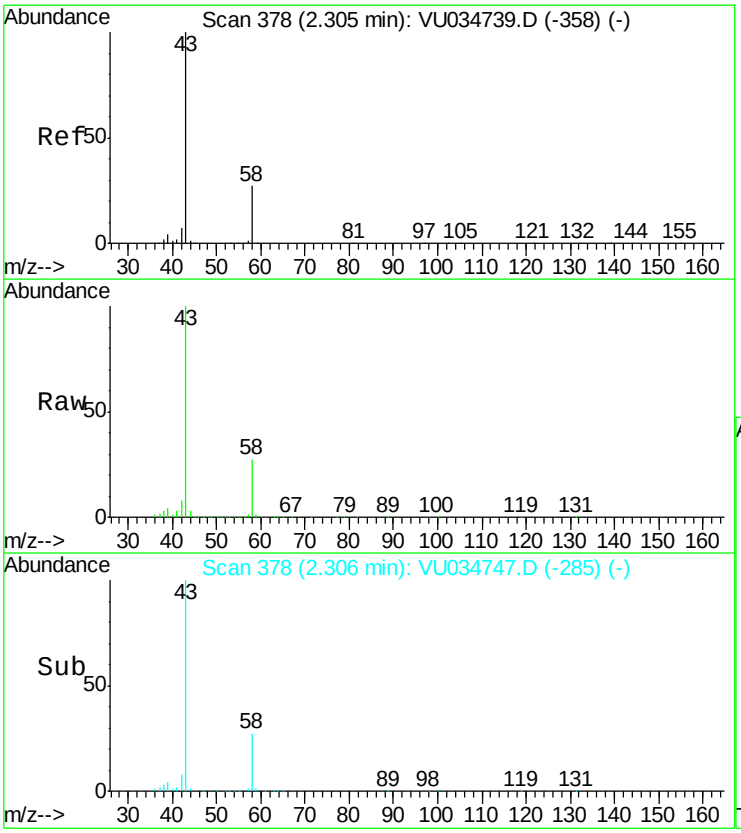
#5
Vinyl chloride
Concen: 1.461 ug/L
RT: 1.40 min Scan# 95
Delta R.T. 0.00 min
Lab File: VU034747.D
Acq: 23 Sep 2019 20:55

Instrument :
MSVOA_U
ClientSampleId :
BFDG5

Tgt Ion: 62 Resp: 7925

Ion	Ratio	Lower	Upper
62	100		
64	67.4	22.2	41.2#

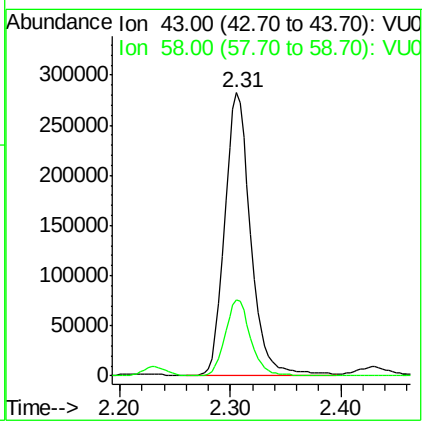


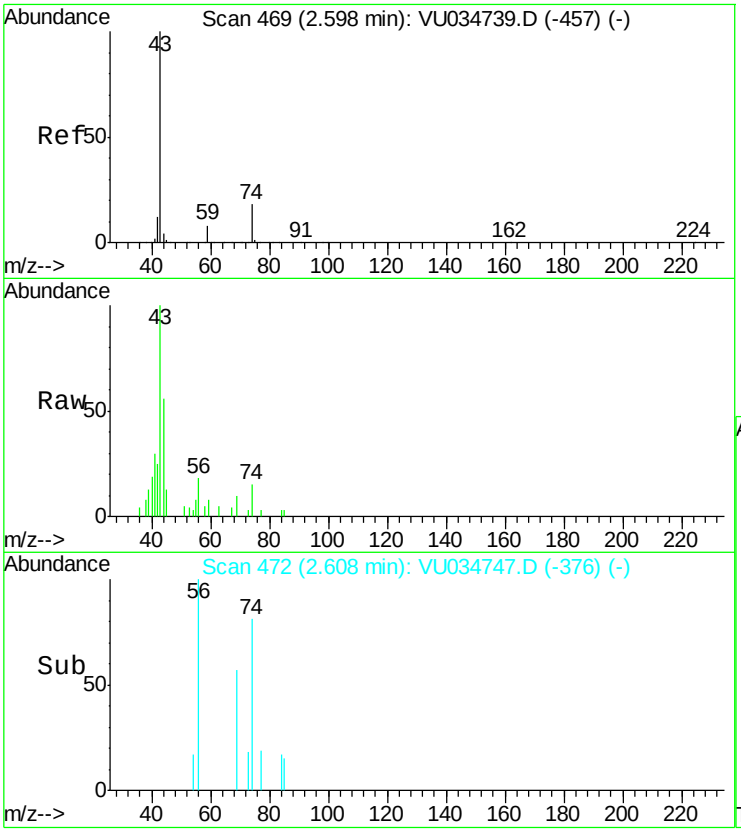


#13
Acetone
Concen: 104.658 ug/L
RT: 2.31 min Scan# 378
Delta R.T. 0.00 min
Lab File: VU034747.D
Acq: 23 Sep 2019 20:55

Tgt Ion: 43 Resp: 459577

Ion	Ratio	Lower	Upper
43	100		
58	26.1	0.0	53.4



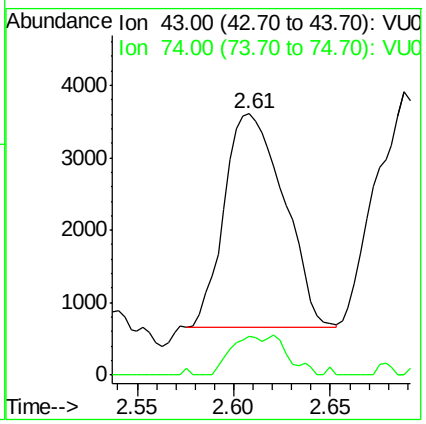


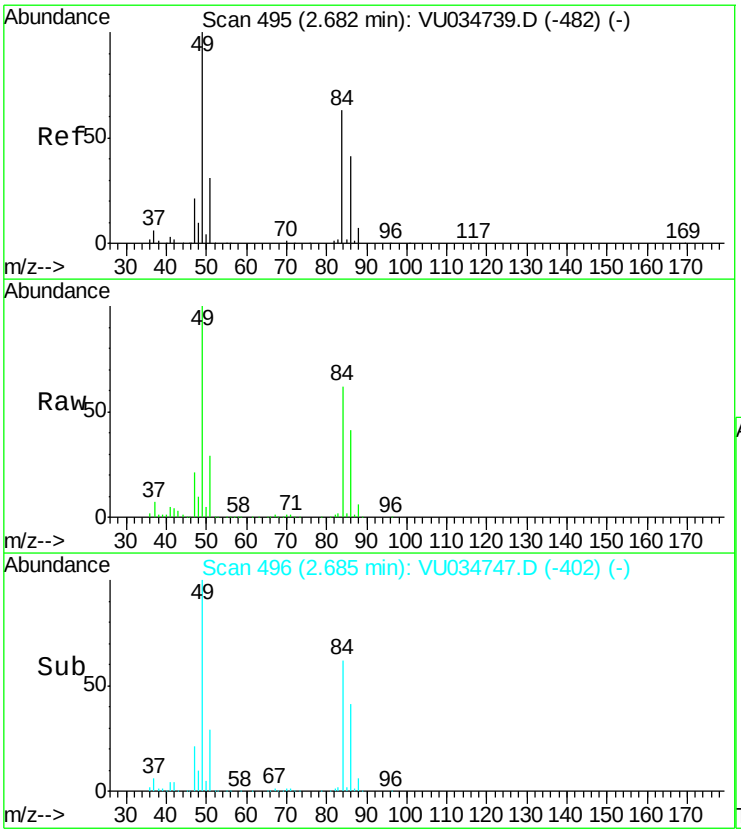
#15
Methyl Acetate
Concen: 1.071 ug/L
RT: 2.61 min Scan# 472
Delta R.T. 0.01 min
Lab File: VU034747.D
Acq: 23 Sep 2019 20:55

Instrument : MSVOA_U
ClientSampleId : BFDG5

Tgt Ion: 43 Resp: 6285

Ion	Ratio	Lower	Upper
43	100		
74	9.8	14.4	21.6#

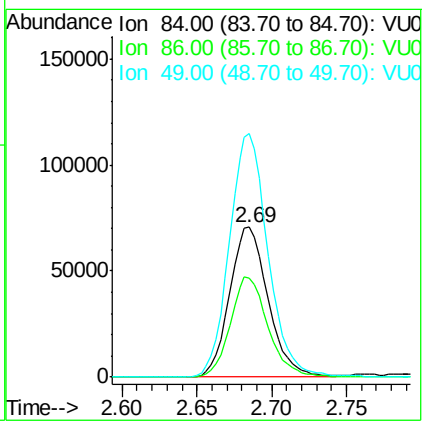


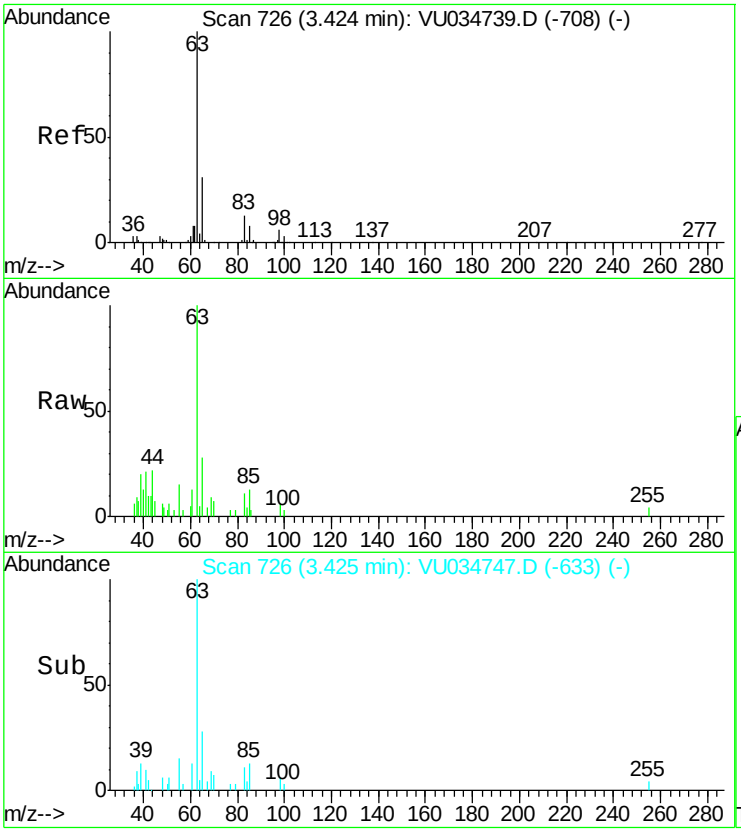


#16
Methylene chloride
Concen: 31.694 ug/L
RT: 2.69 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034747.D
Acq: 23 Sep 2019 20:55

Tgt Ion: 84 Resp: 126376

Ion	Ratio	Lower	Upper
84	100		
86	66.3	43.0	80.0
49	162.2	109.7	203.7



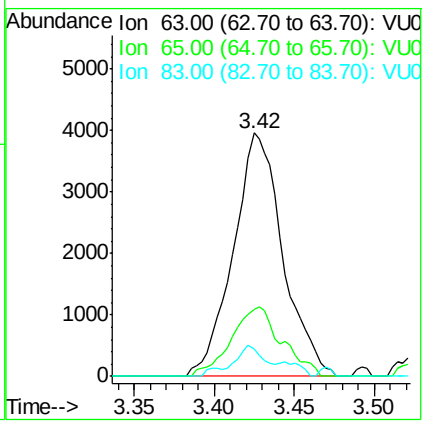


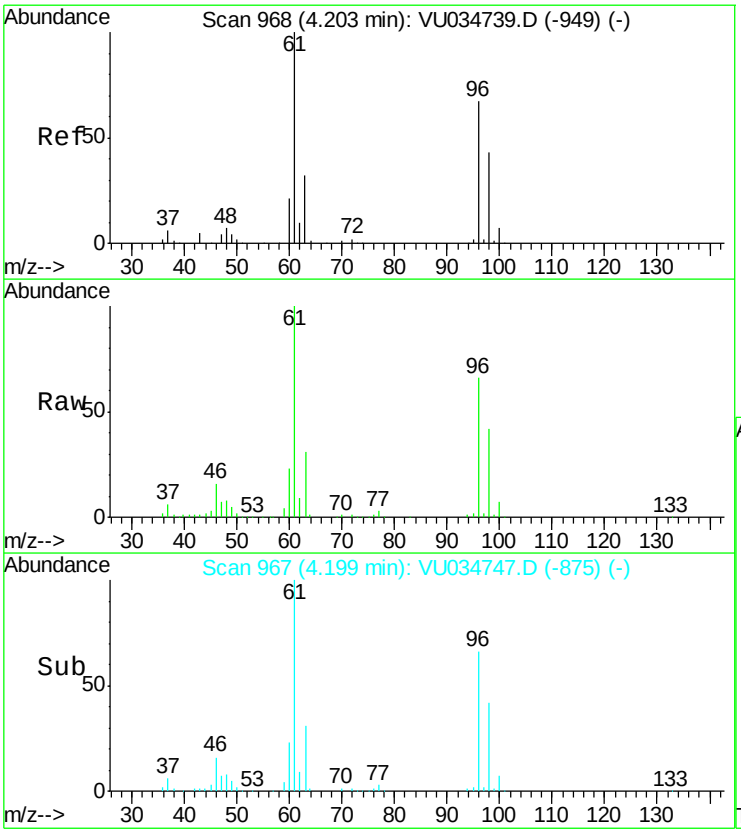
#19
1,1-Dichloroethane
Concen: 1.062 ug/L
RT: 3.42 min Scan# 726
Delta R.T. 0.00 min
Lab File: VU034747.D
Acq: 23 Sep 2019 20:55

Instrument : MSVOA_U
ClientSampleId : BFDG5

Tgt Ion: 63 Resp: 8386

Ion	Ratio	Lower	Upper
63	100		
65	27.7	22.0	40.8
83	11.2	8.9	16.5

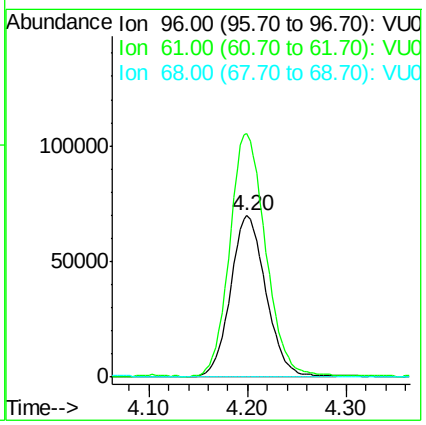


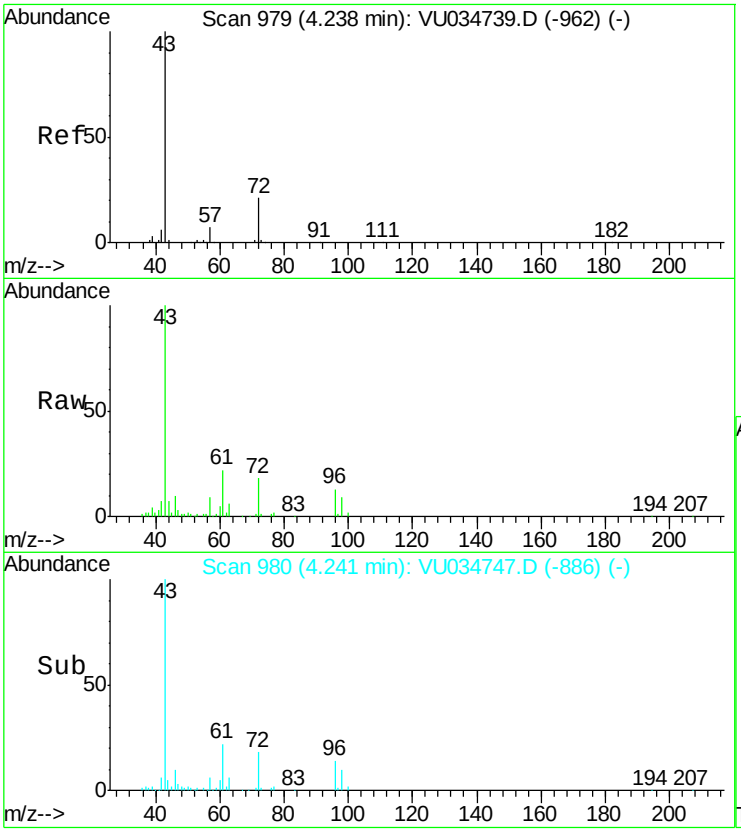


#20
cis-1,2-Dichloroethene
Concen: 43.453 ug/L
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU034747.D
Acq: 23 Sep 2019 20:55

Tgt Ion: 96 Resp: 174863

Ion	Ratio	Lower	Upper
96	100		
61	151.0	108.8	202.2
68	0.0	0.0	0.0



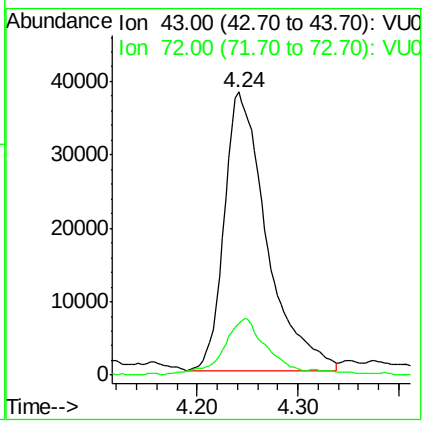


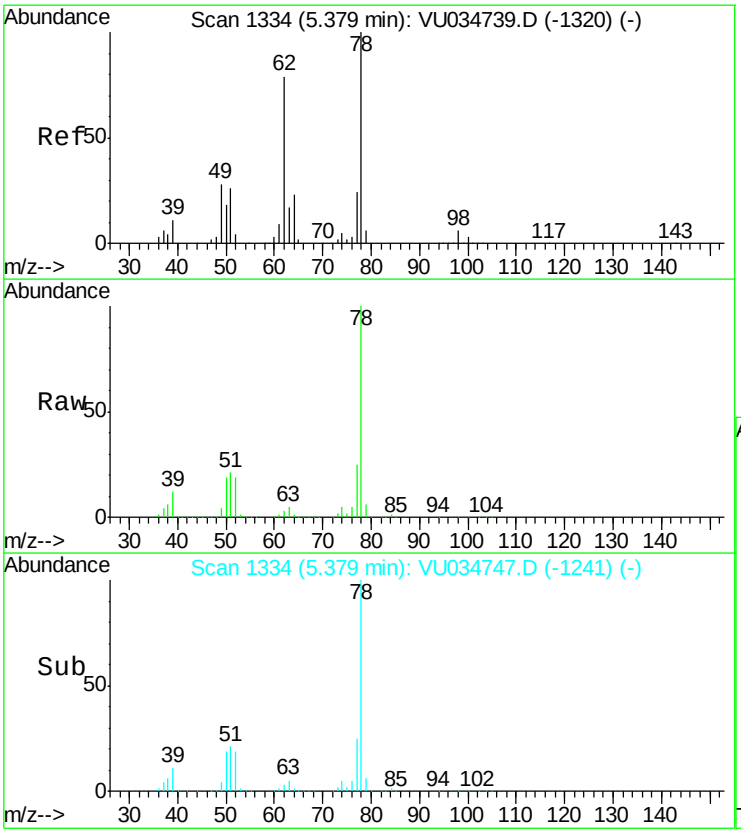
#22
2-Butanone
Concen: 21.319 ug/L
RT: 4.24 min Scan# 980
Delta R.T. 0.00 min
Lab File: VU034747.D
Acq: 23 Sep 2019 20:55

Instrument :
MSVOA_U
ClientSampleId :
BFDG5

Tgt Ion: 43 Resp: 111375

Ion	Ratio	Lower	Upper
43	100		
72	19.7	10.2	30.6

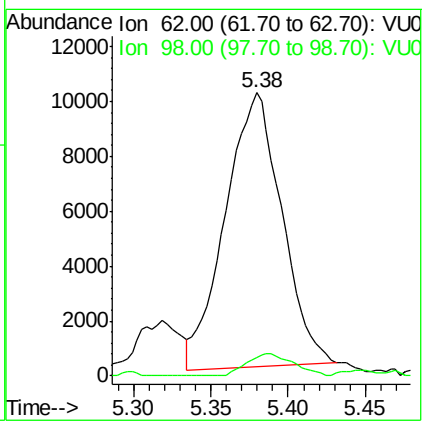


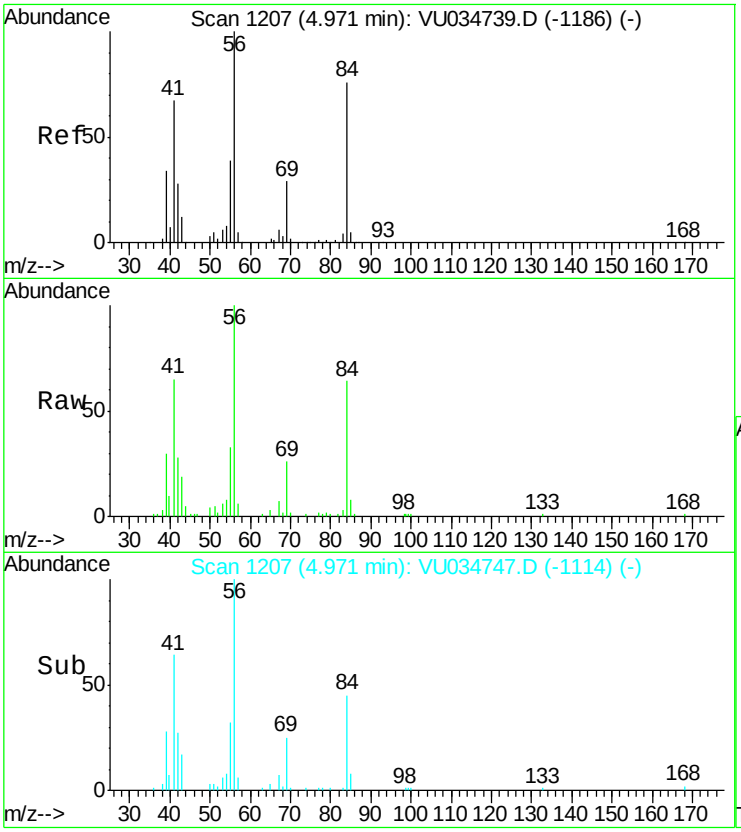


#27
1,2-Dichloroethane
Concen: 3.790 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU034747.D
Acq: 23 Sep 2019 20:55

Tgt Ion: 62 Resp: 25455

Ion	Ratio	Lower	Upper
62	100		
98	6.7	5.3	7.9



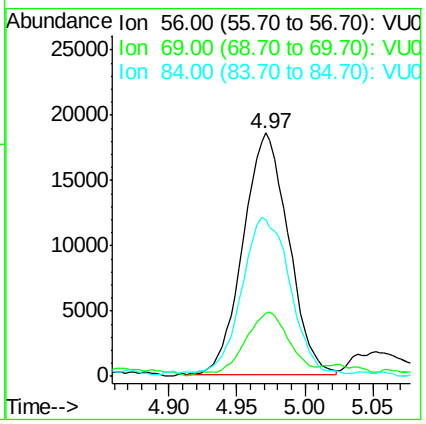


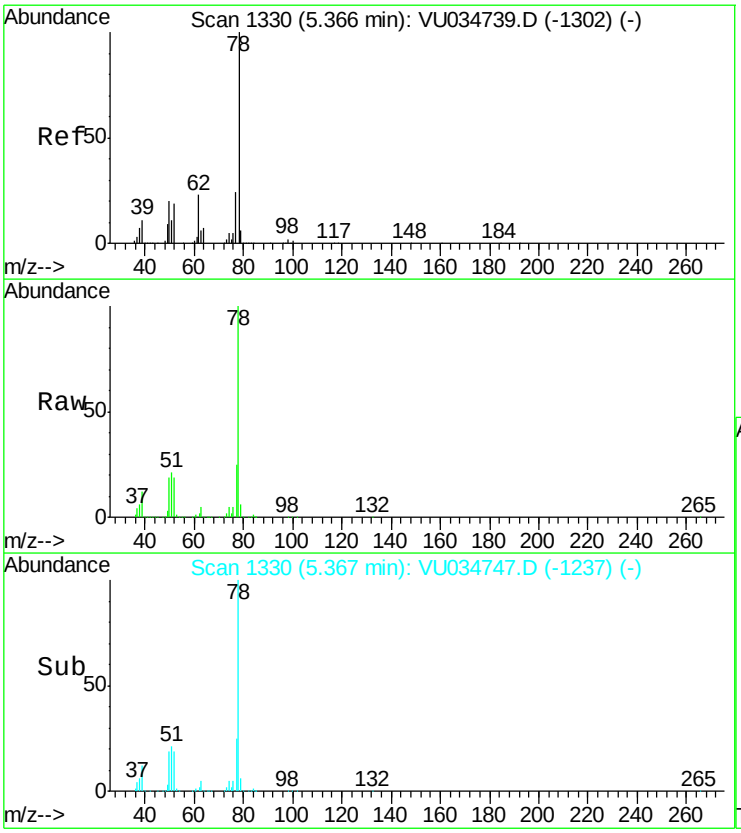
#29
Cyclohexane
Concen: 5.623 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034747.D
Acq: 23 Sep 2019 20:55

Instrument :
MSVOA_U
ClientSampleId :
BFDG5

Tgt Ion: 56 Resp: 42838

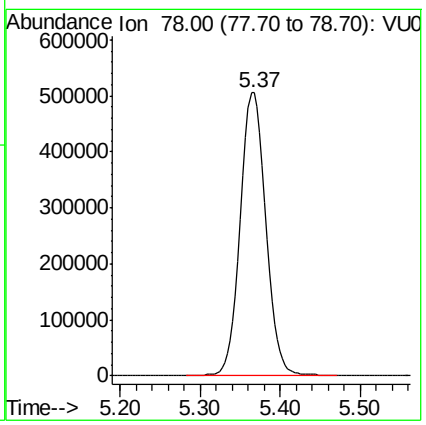
Ion	Ratio	Lower	Upper
56	100		
69	23.4	21.7	32.5
84	66.9	58.8	88.2

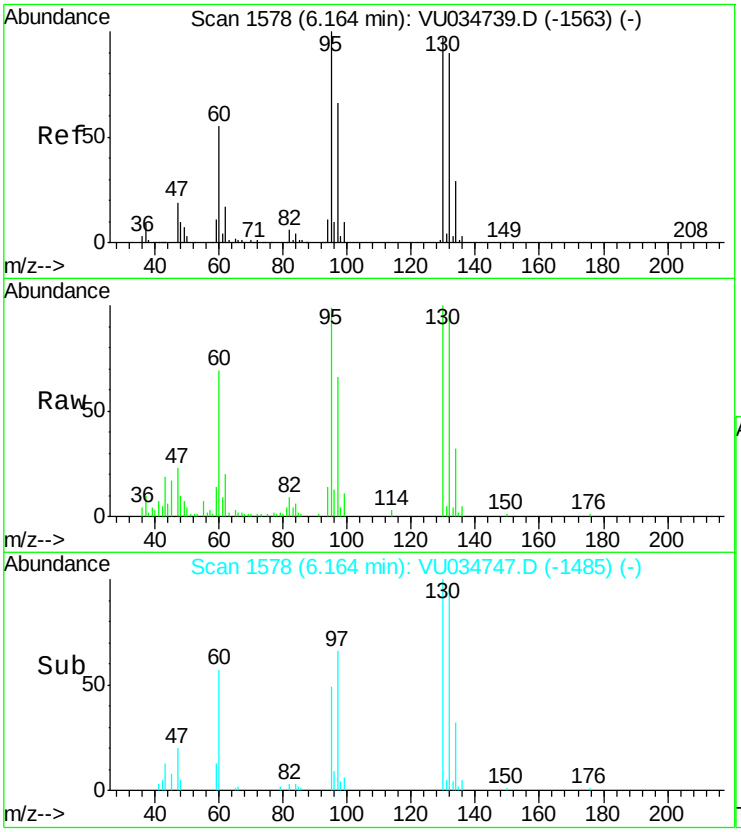




#33
Benzene
Concen: 68.125 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034747.D
Acq: 23 Sep 2019 20:55

Tgt Ion: 78 Resp: 1090498



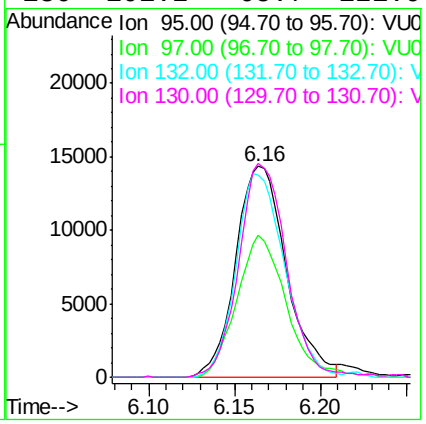


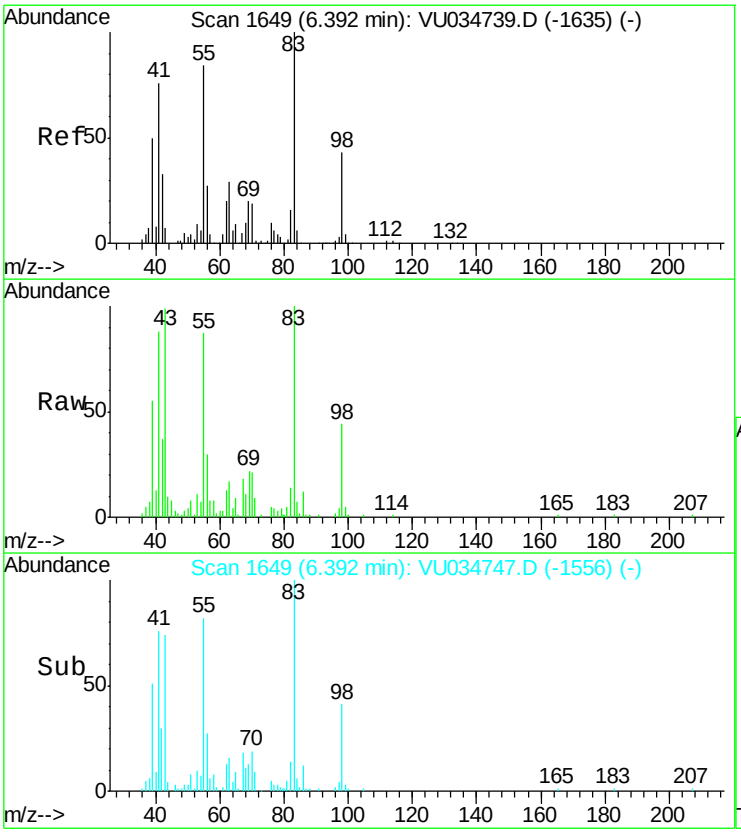
#34
Trichloroethene
Concen: 7.436 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VU034747.D
Acq: 23 Sep 2019 20:55

Instrument :
MSVOA_U
ClientSampleId :
BFDG5

Tgt Ion: 95 Resp: 29397

Ion	Ratio	Lower	Upper
95	100		
97	67.1	43.7	81.1
132	96.1	61.0	113.2
130	101.2	65.7	121.9

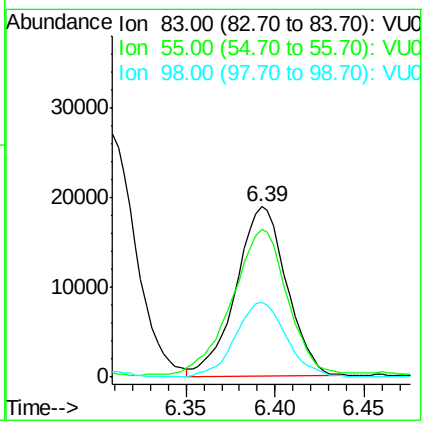


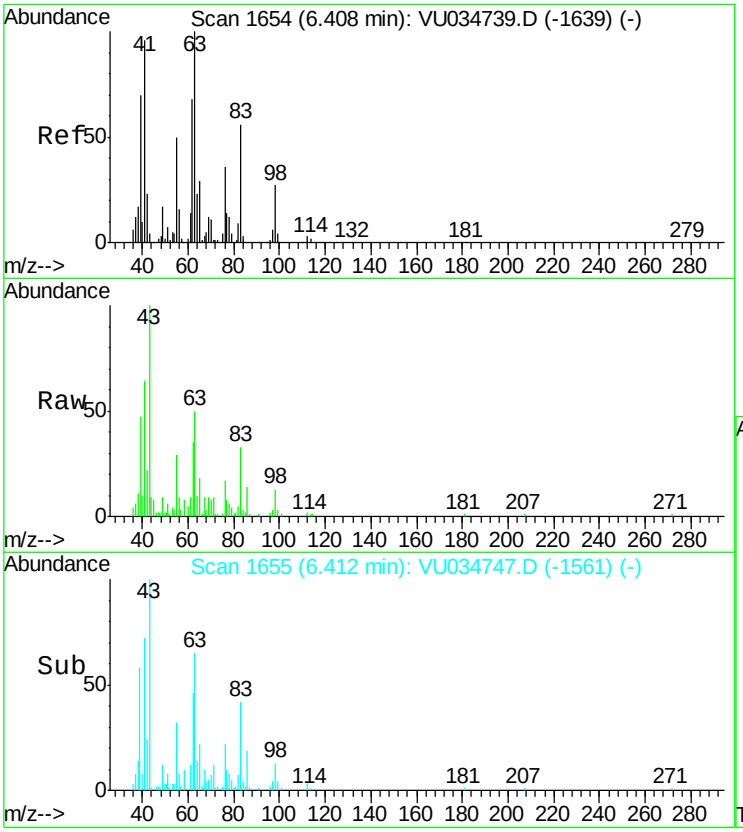


#35
Methylcyclohexane
Concen: 5.618 ug/L
RT: 6.39 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU034747.D
Acq: 23 Sep 2019 20:55

Tgt Ion: 83 Resp: 37690

Ion	Ratio	Lower	Upper
83	100		
55	94.4	71.6	107.4
98	44.2	35.7	53.5



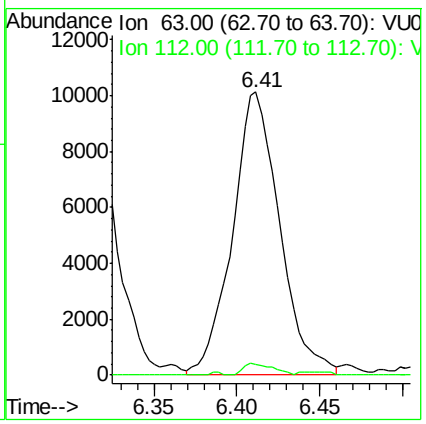


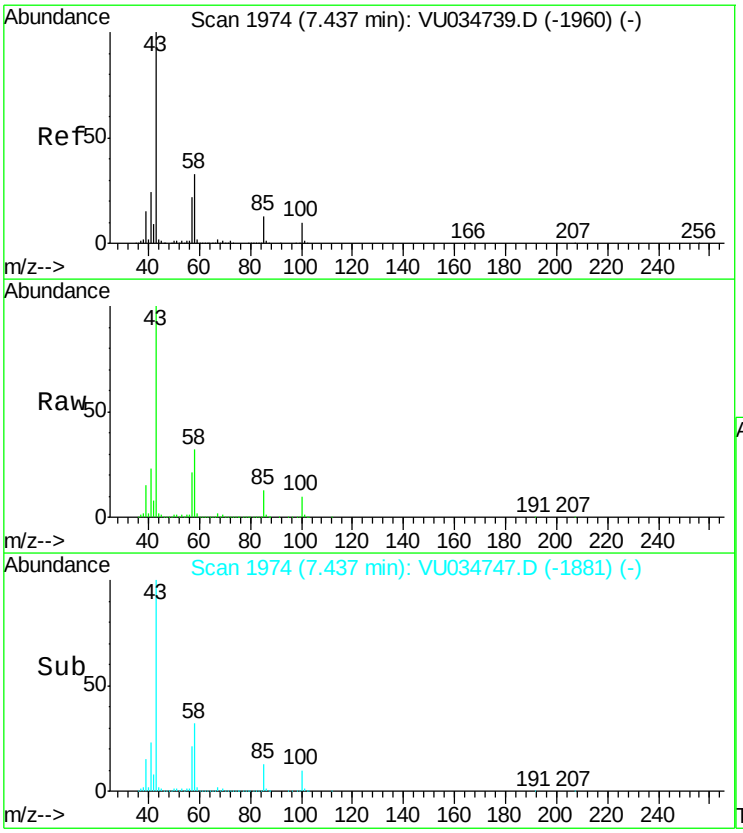
#37
1,2-Dichloropropane
Concen: 4.213 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU034747.D
Acq: 23 Sep 2019 20:55

Instrument :
MSVOA_U
ClientSampleId :
BFDG5

Tgt Ion: 63 Resp: 20080

Ion	Ratio	Lower	Upper
63	100		
112	2.5	2.4	3.6

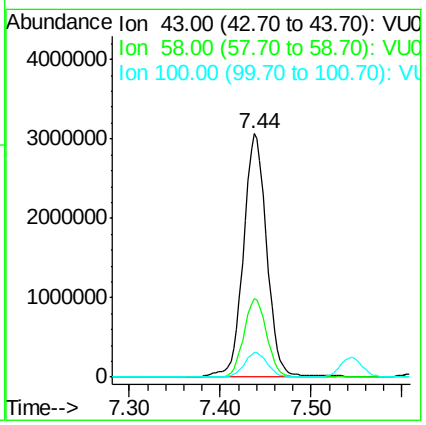


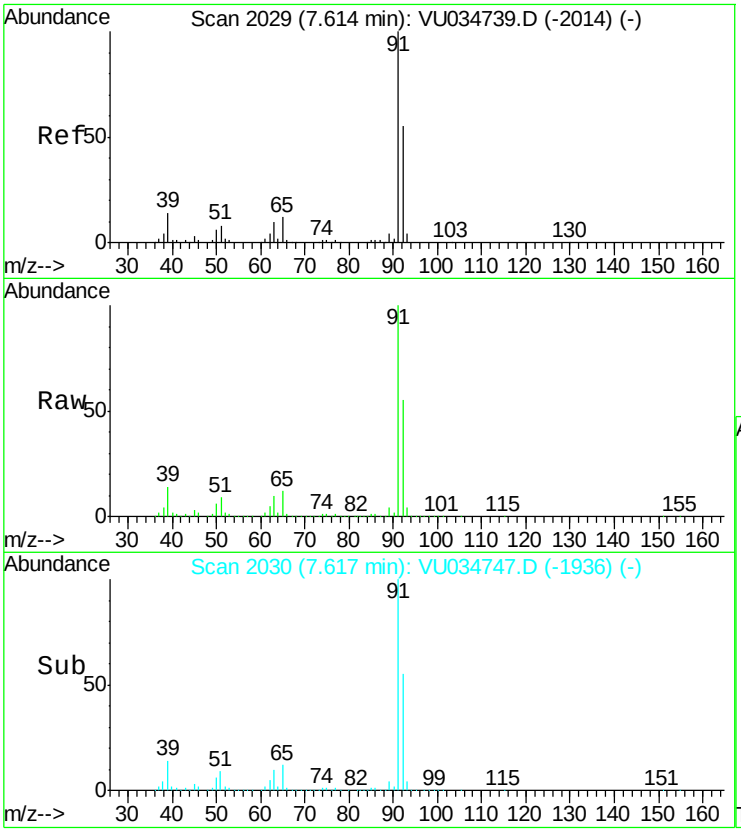


#40
4-Methyl-2-pentanone
Concen: 596.805 ug/L
RT: 7.44 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VU034747.D
Acq: 23 Sep 2019 20:55

Tgt Ion: 43 Resp: 5430808

Ion	Ratio	Lower	Upper
43	100		
58	31.9	25.2	37.8
100	9.9	7.7	11.5



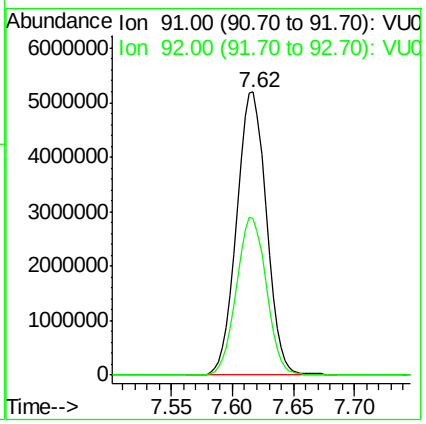


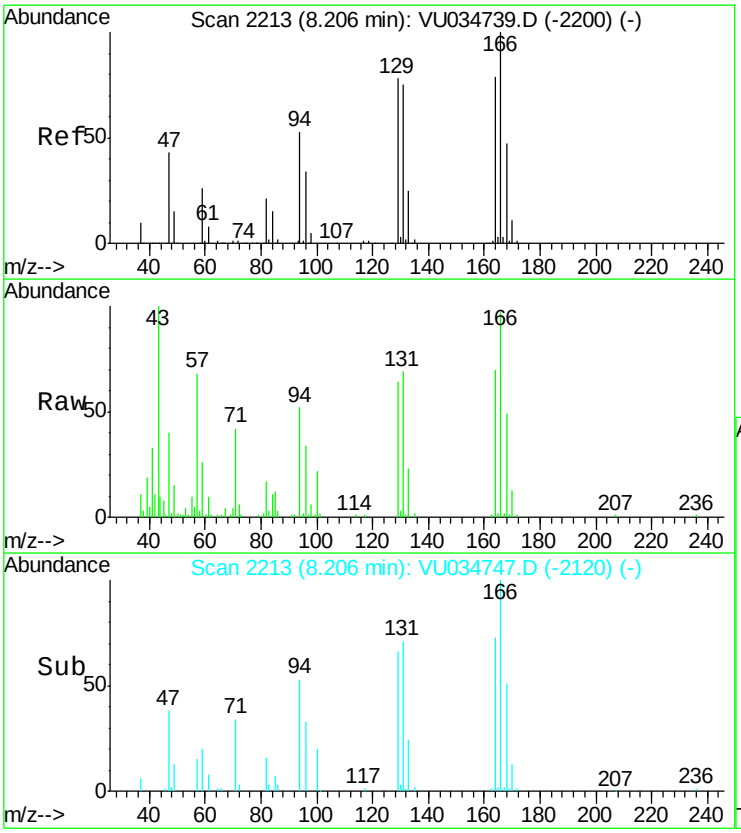
#42
Toluene
Concen: 507.110 ug/L
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034747.D
Acq: 23 Sep 2019 20:55

Instrument : MSVOA_U
ClientSampleId : BFDG5

Tgt Ion: 91 Resp: 8772733

Ion	Ratio	Lower	Upper
91	100		
92	55.4	38.2	71.0

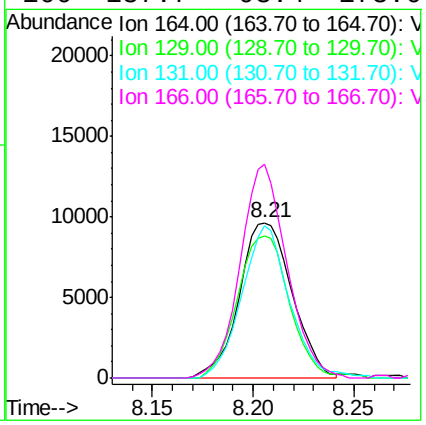


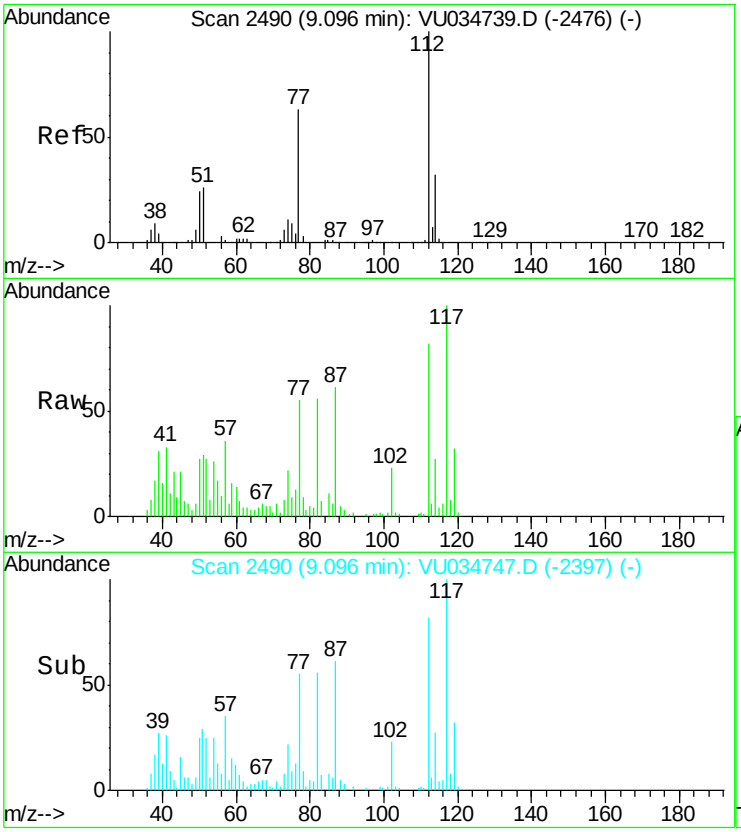


#46
Tetrachloroethene
Concen: 6.342 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VU034747.D
Acq: 23 Sep 2019 20:55

Tgt Ion:164 Resp: 17637

Ion	Ratio	Lower	Upper
164	100		
129	91.5	71.9	133.5
131	98.2	66.3	123.1
166	137.7	93.4	173.6



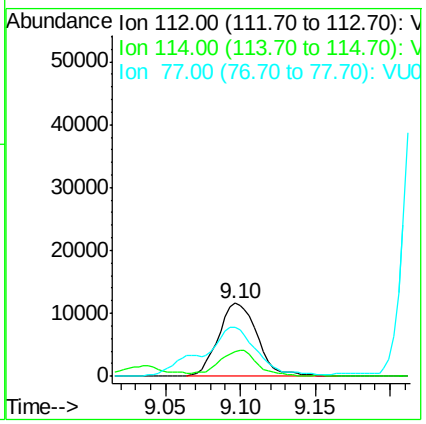


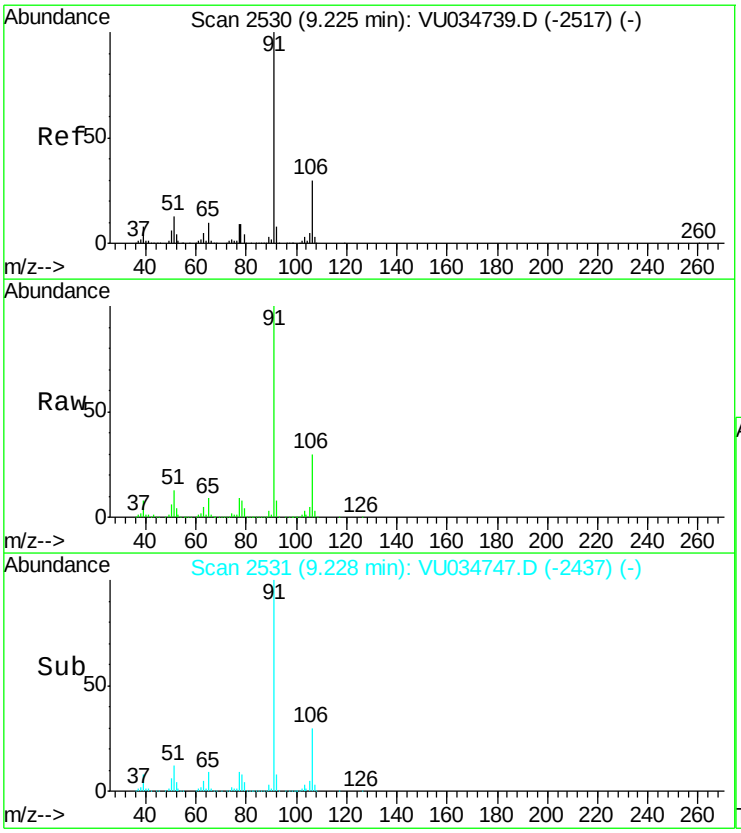
#51
Chlorobenzene
Concen: 2.007 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034747.D
Acq: 23 Sep 2019 20:55

Instrument :
MSVOA_U
ClientSampleId :
BFDG5

Tgt Ion:112 Resp: 21111

Ion	Ratio	Lower	Upper
112	100		
114	33.1	22.8	42.4
77	67.8	51.5	77.3

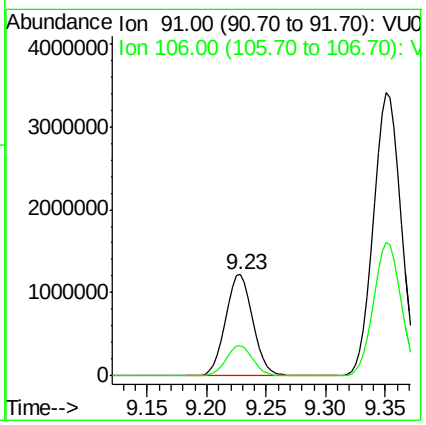


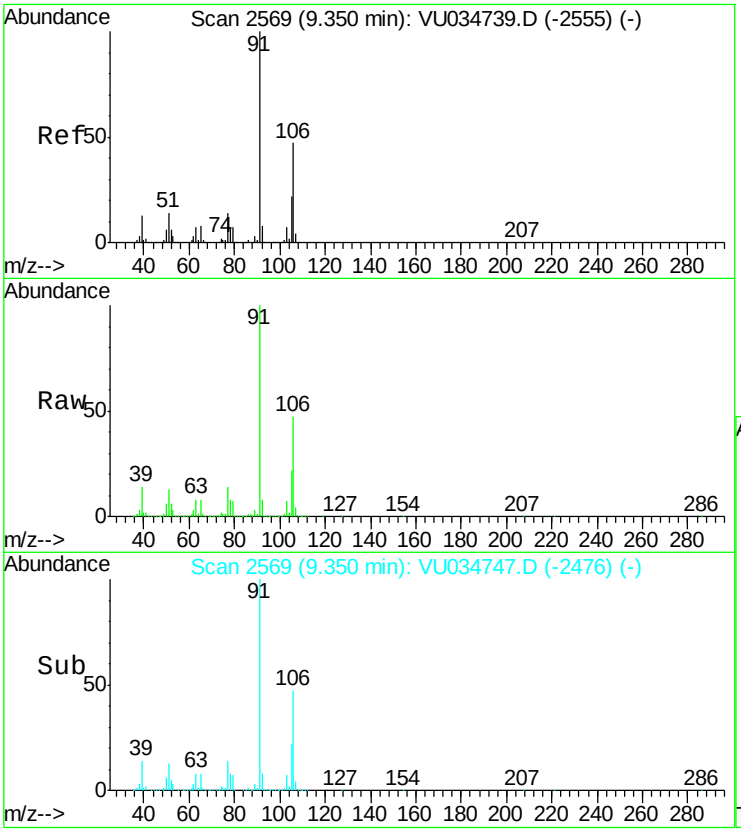


#52
Ethylbenzene
Concen: 99.665 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034747.D
Acq: 23 Sep 2019 20:55

Tgt Ion: 91 Resp: 1941536

Ion	Ratio	Lower	Upper
91	100		
106	29.9	20.6	38.4



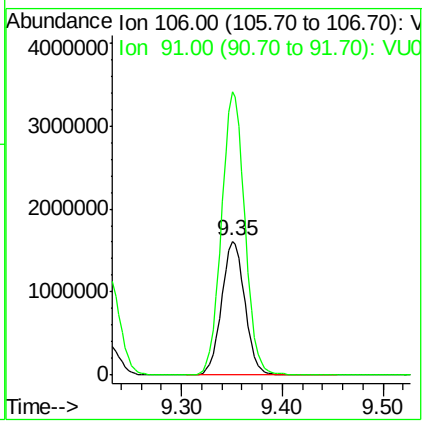


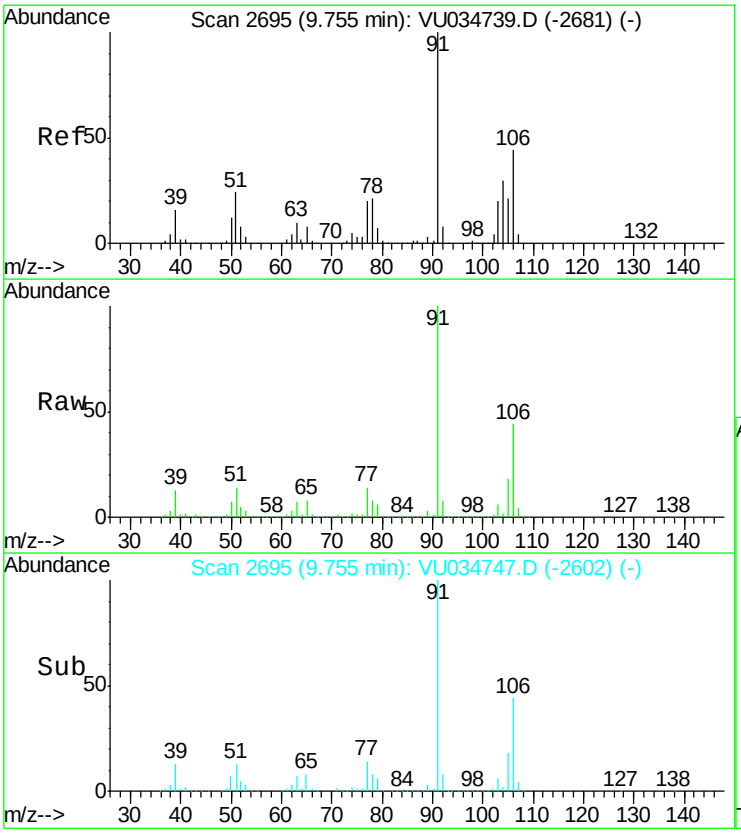
#53
m,p-Xylene
Concen: 376.340 ug/L
RT: 9.35 min Scan# 2569
Delta R.T. 0.00 min
Lab File: VU034747.D
Acq: 23 Sep 2019 20:55

Instrument :
MSVOA_U
ClientSampleId :
BFDG5

Tgt Ion:106 Resp: 2596725

Ion	Ratio	Lower	Upper
106	100		
91	211.1	146.9	272.7

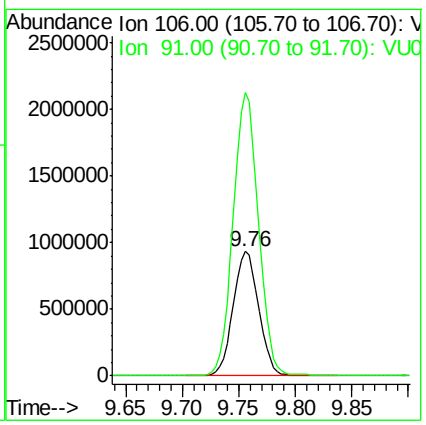


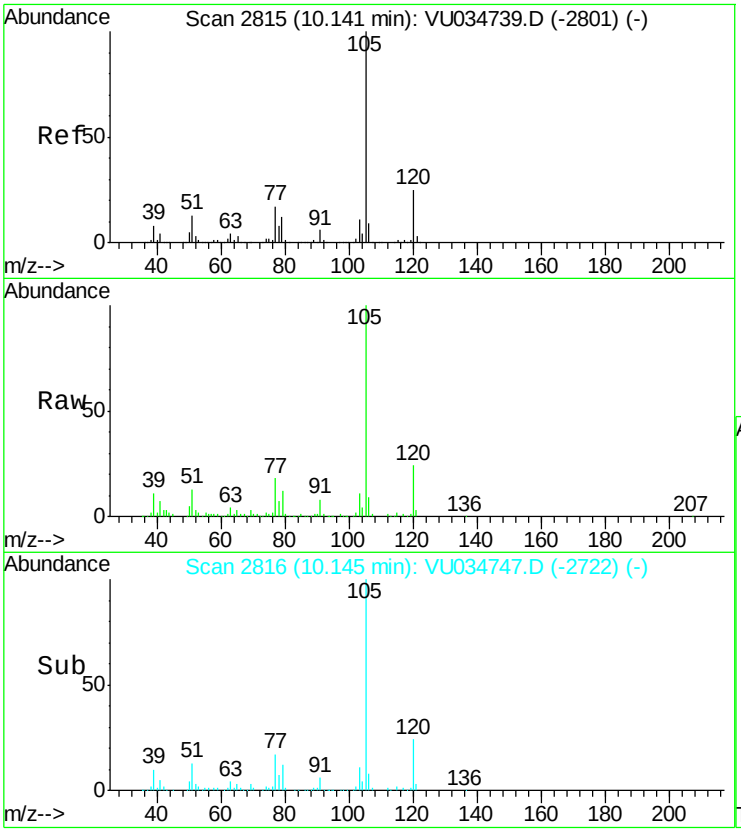


#54
o-xylene
Concen: 215.360 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU034747.D
Acq: 23 Sep 2019 20:55

Tgt Ion:106 Resp: 1469754

Ion	Ratio	Lower	Upper
106	100		
91	228.2	155.6	289.0



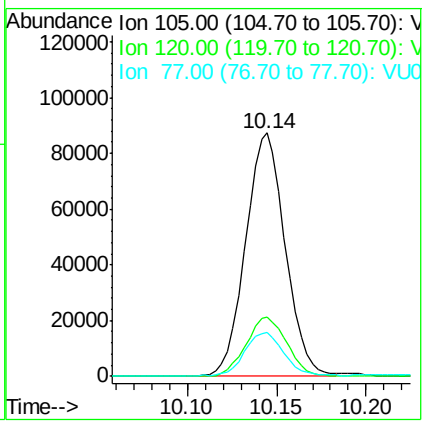


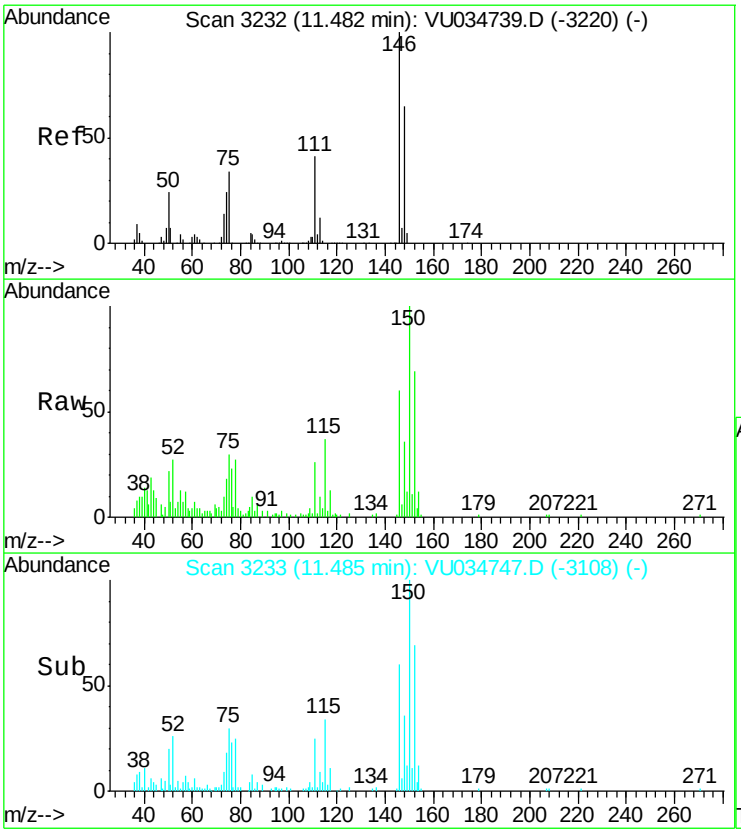
#56
Isopropylbenzene
Concen: 7.369 ug/L
RT: 10.14 min Scan# 2816
Delta R.T. 0.00 min
Lab File: VU034747.D
Acq: 23 Sep 2019 20:55

Instrument :
MSVOA_U
ClientSampleId :
BFDG5

Tgt Ion:105 Resp: 135598

Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.4	30.6
77	17.2	14.2	21.4

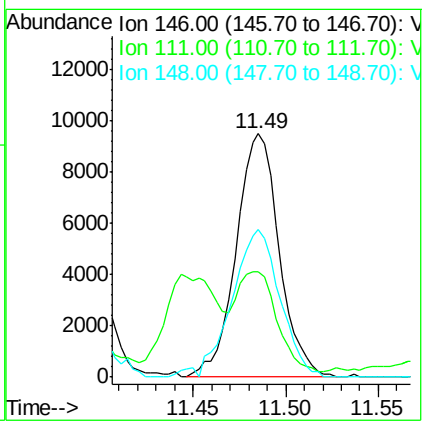


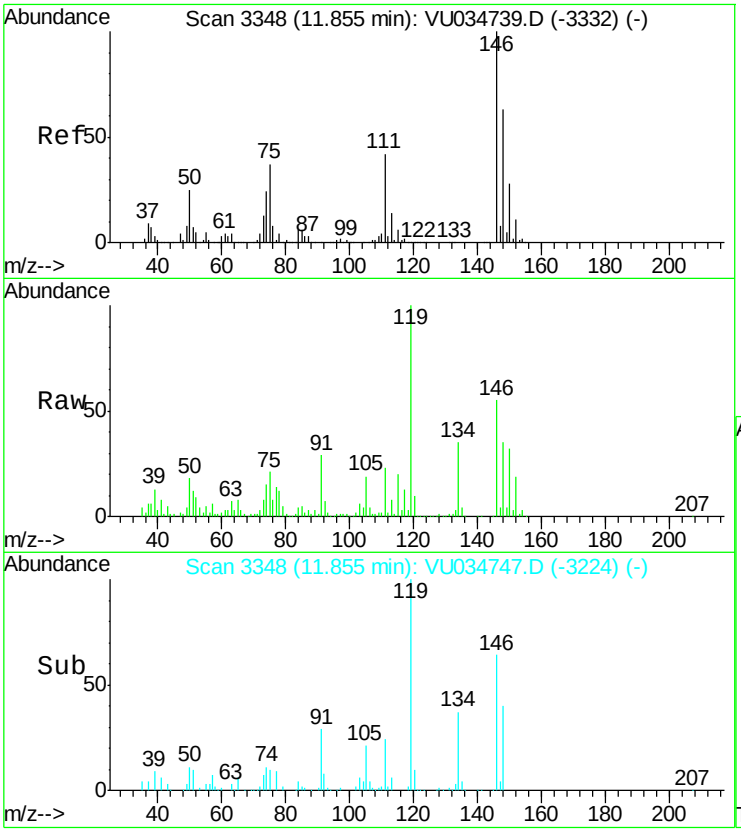


#63
1,4-Dichlorobenzene
Concen: 1.876 ug/L
RT: 11.49 min Scan# 3233
Delta R.T. 0.00 min
Lab File: VU034747.D
Acq: 23 Sep 2019 20:55

Tgt Ion:146 Resp: 15318

Ion	Ratio	Lower	Upper
146	100		
111	43.4	29.5	54.9
148	60.4	44.4	82.4





#65
1,2-Dichlorobenzene
Concen: 17.922 ug/L
RT: 11.86 min Scan# 3348
Delta R.T. 0.00 min
Lab File: VU034747.D
Acq: 23 Sep 2019 20:55

Instrument :
MSVOA_U
ClientSampleId :
BFDG5

Tgt Ion:146 Resp: 145150

Ion	Ratio	Lower	Upper
146	100		
111	42.2	35.2	52.8
148	63.6	53.0	79.6