Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121119\
Data File : VU036134.D
Acq On : 11 Dec 2019 15:35
Operator : JC/MD
Sample : K6167-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFR92

Quant Time: Dec 12 07:43:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 12 06:08:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	311764	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	336962	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	129727	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	136148	4.90	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 98.00%			
7) Chloroethane-d5	1.93	69	127571	4.37	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 87.40%			
11) 1,1-Dichloroethene-d2	2.59	63	145437	2.86	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 57.20%#			
20) 2-Butanone-d5	4.70	46	267499	56.49	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 112.98%			
24) Chloroform-d	5.11	84	220110	4.88	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 97.60%			
26) 1,2-Dichloroethane-d4	5.75	65	109174	4.68	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 93.60%			
32) Benzene-d6	5.77	84	414240	4.86	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 97.20%			
36) 1,2-Dichloropropane-d6	6.73	67	135411	5.26	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 105.20%			
41) Toluene-d8	7.93	98	329429	4.18	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 83.60%			
43) trans-1,3-Dichloropropene-	8.21	79	48473	4.52	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 90.40%			
46) 2-Hexanone-d5	8.68	63	204075	52.61	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 105.22%			
57) 1,1,2,2-Tetrachloroethane-	10.78	84	117403	4.96	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 99.20%			
64) 1,2-Dichlorobenzene-d4	12.22	152	124548	4.99	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 99.80%			
Target Compounds						Qvalue
5) Vinyl chloride	1.62	62	24051	0.770	ug/L	83
8) Chloroethane	1.95	64	16508	0.695	ug/L	97
13) Acetone	2.68	43	192470	32.021	ug/L	95
16) Methylene chloride	3.08	84	9717	0.308	ug/L	96
19) 1,1-Dichloroethane	3.92	63	59789	1.439	ug/L	99
21) 2-Butanone	4.78	43	11941	1.985	ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	58285	2.399	ug/L	99
25) Chloroform	5.14	83	49002	1.058	ug/L	92
29) 1,1,1-Trichloroethane	5.36	97	25328	0.667	ug/L	97
33) Benzene	5.82	78	67891	0.737	ug/L	100
38) Bromodichloromethane	7.14	83	6695	0.216	ug/L	97
42) Toluene	8.00	91	15785	0.160	ug/L	92
51) Chlorobenzene	9.48	112	245216	3.562	ug/L	99
53) m,p-Xylene	9.72	106	4431	0.108	ug/L	91
54) o-Xylene	10.13	106	5065	0.131	ug/L	74
55) Styrene	10.14	104	8104	0.122	ug/L	98
56) Isopropylbenzene	10.51	105	23107	0.226	ug/L	97

Quantitation Report (QT/LSC Reviewed)

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Operator : JC/MD
Sample : K6167-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFR92

Quant Time: Dec 12 07:43:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 12 06:08:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
63) 1,4-Dichlorobenzene	11.86	146	8344	0.200 ug/L	90
65) 1,2-Dichlorobenzene	12.24	146	7348	0.175 ug/L	97

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121119\
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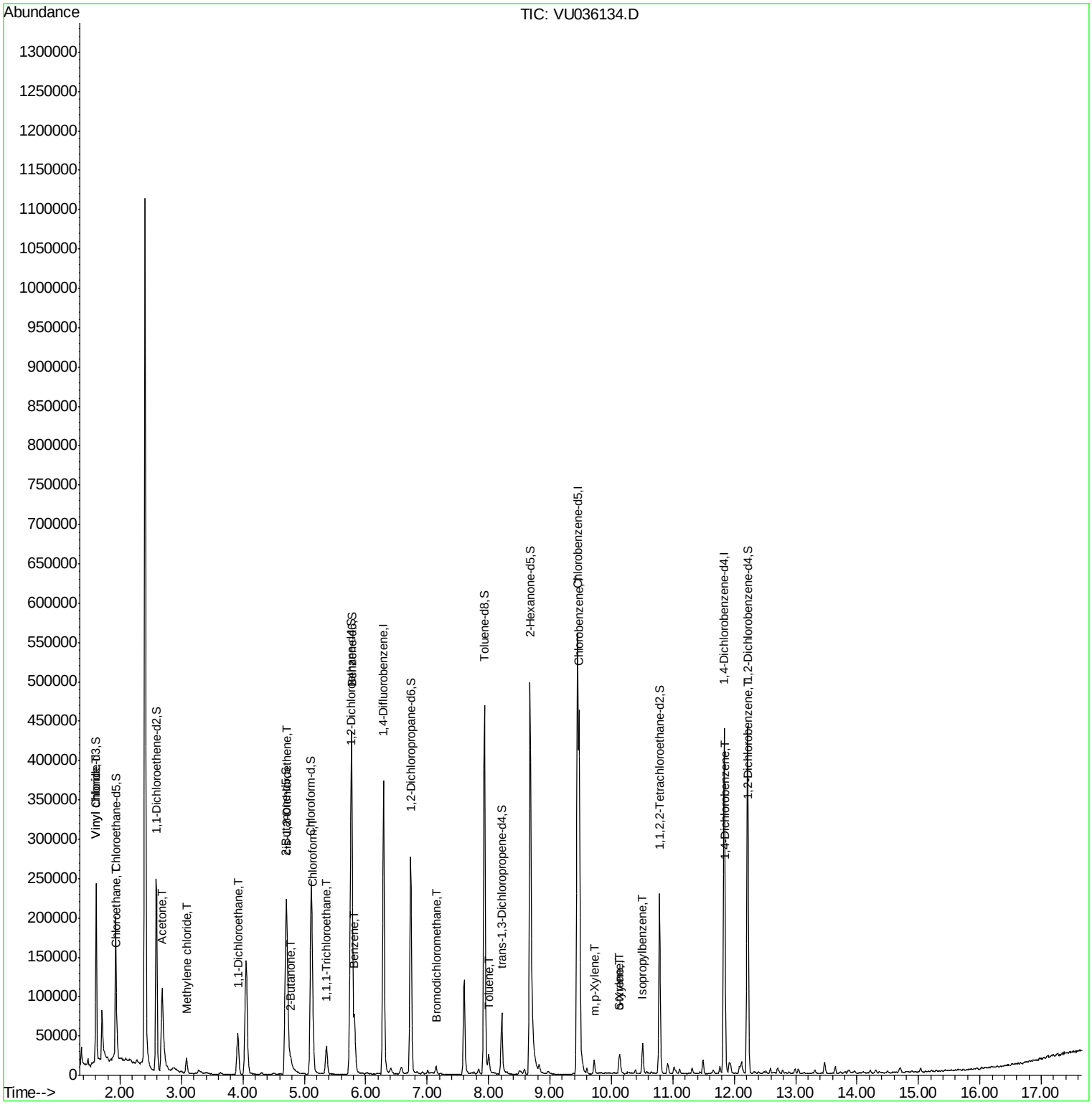
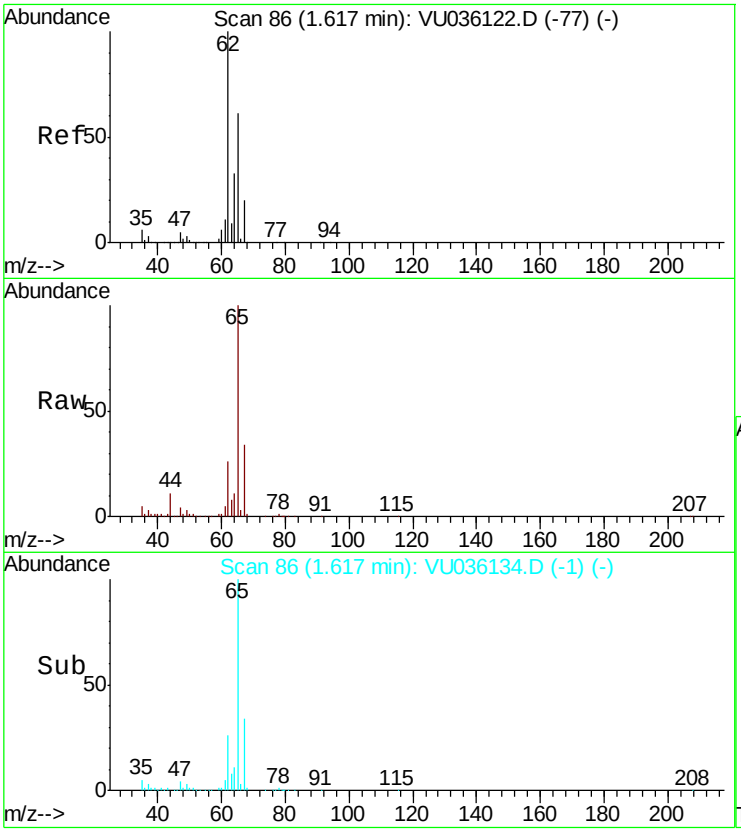


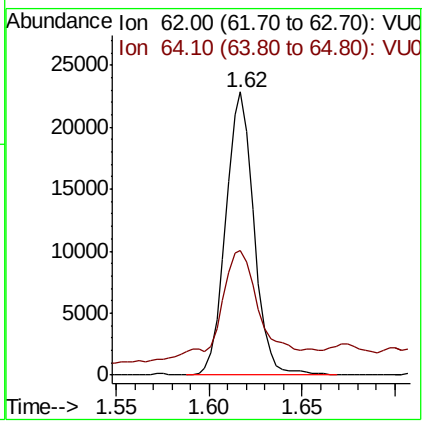


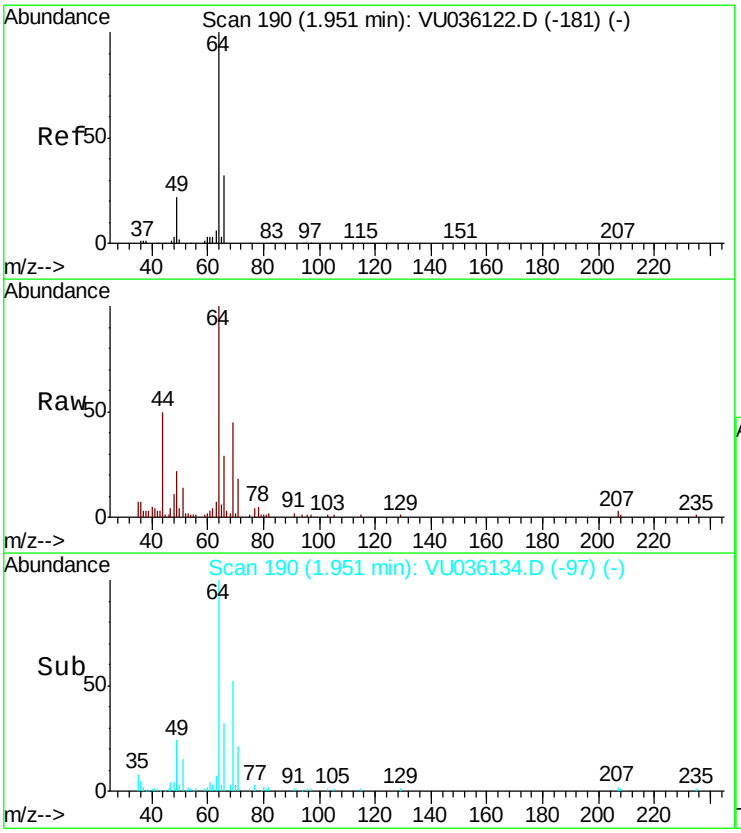
#5
Vinyl chloride
Concen: 0.770 ug/L
RT: 1.62 min Scan# 86
Delta R.T. 0.00 min
Lab File: VU036134.D
Acq: 11 Dec 2019 15:35

Instrument :
MSVOA_U
ClientSampleId :
BFR92

Tgt Ion: 62 Resp: 24051

Ion	Ratio	Lower	Upper
62	100		
64	44.3	24.3	45.1

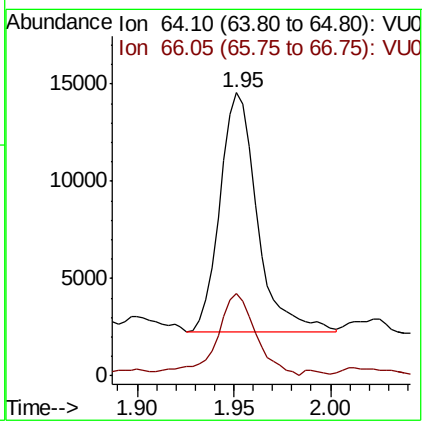


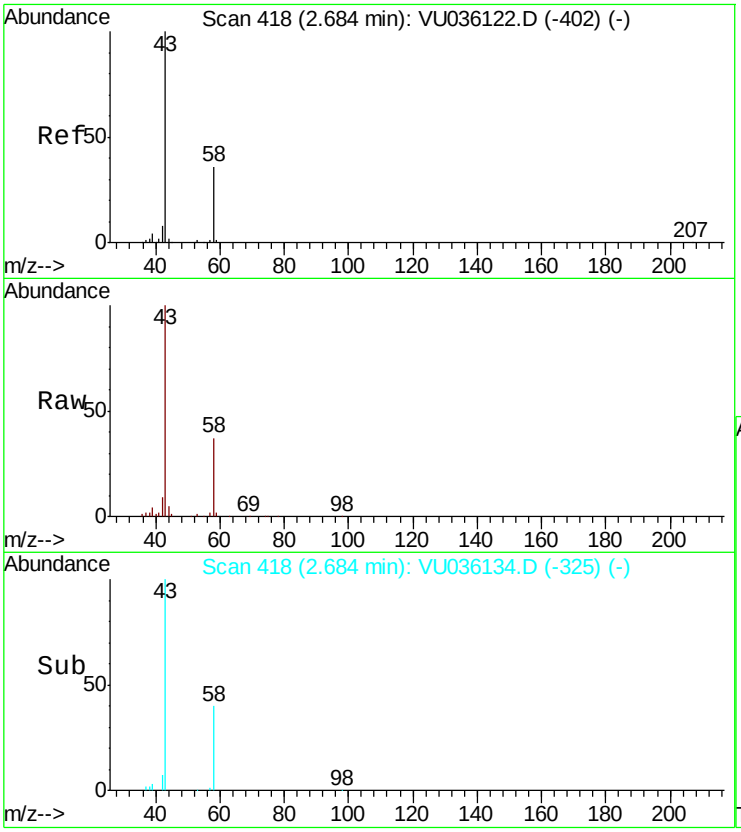


#8
Chloroethane
Concen: 0.695 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU036134.D
Acq: 11 Dec 2019 15:35

Tgt Ion: 64 Resp: 16508

Ion	Ratio	Lower	Upper
64	100		
66	29.1	21.5	39.9



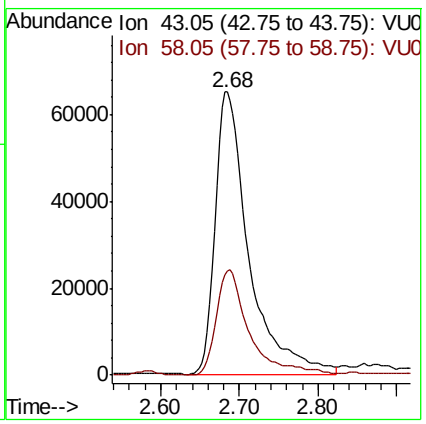


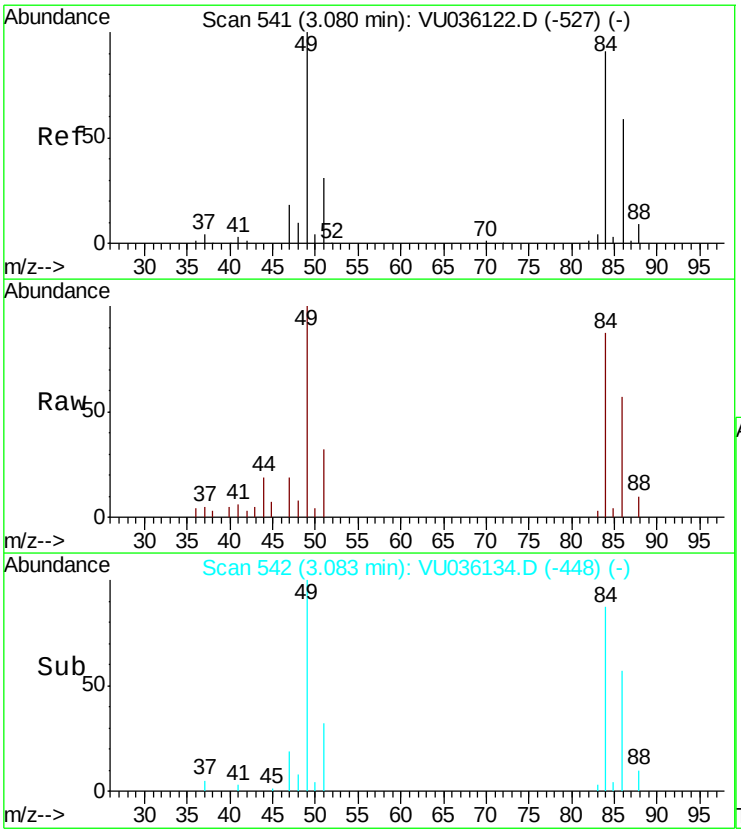
#13
Acetone
Concen: 32.021 ug/L
RT: 2.68 min Scan# 418
Delta R.T. 0.00 min
Lab File: VU036134.D
Acq: 11 Dec 2019 15:35

Instrument :
MSVOA_U
ClientSampleId :
BFR92

Tgt Ion: 43 Resp: 192470

Ion	Ratio	Lower	Upper
43	100		
58	34.1	0.0	74.2

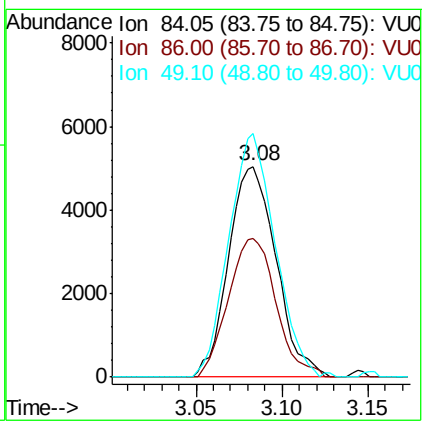


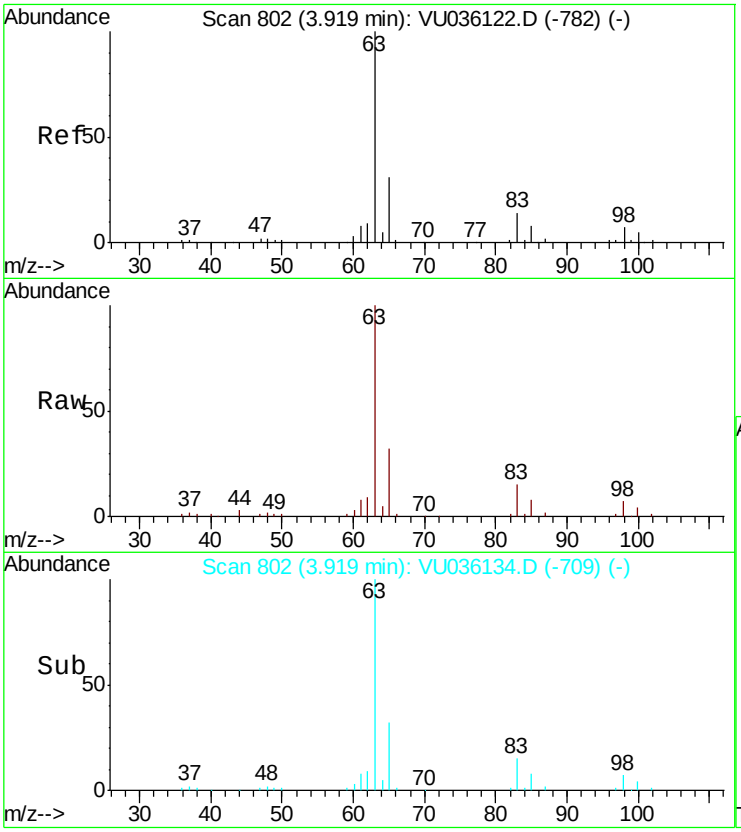


#16
Methylene chloride
Concen: 0.308 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036134.D
Acq: 11 Dec 2019 15:35

Tgt Ion: 84 Resp: 9717

Ion	Ratio	Lower	Upper
84	100		
86	65.8	47.5	88.3
49	115.5	76.9	142.9



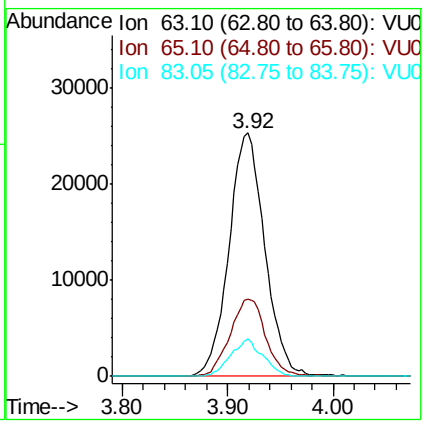


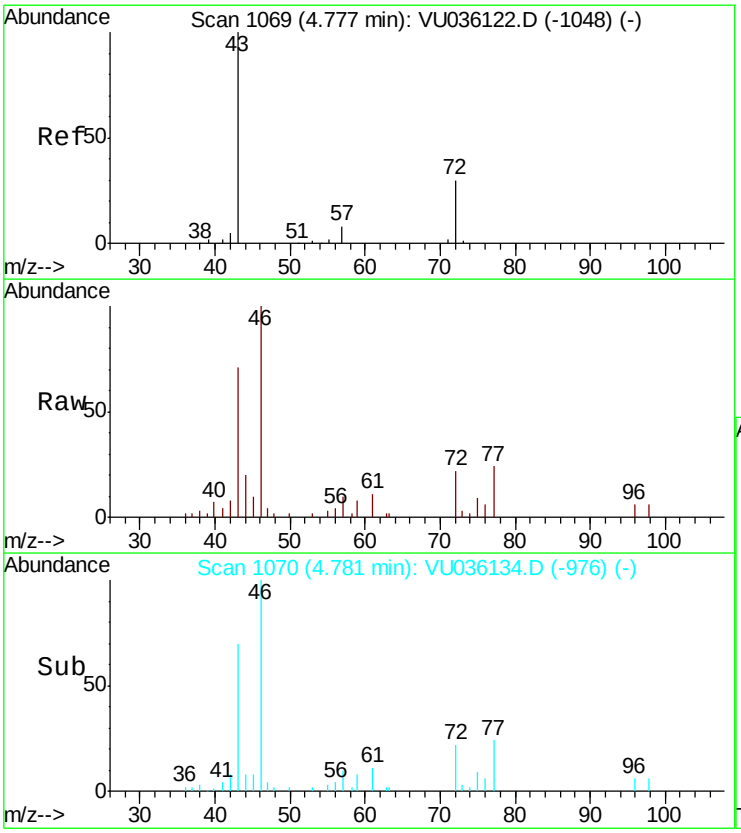
#19
1,1-Dichloroethane
Concen: 1.439 ug/L
RT: 3.92 min Scan# 802
Delta R.T. 0.00 min
Lab File: VU036134.D
Acq: 11 Dec 2019 15:35

Instrument :
MSVOA_U
ClientSampleId :
BFR92

Tgt Ion: 63 Resp: 59789

Ion	Ratio	Lower	Upper
63	100		
65	31.5	21.8	40.4
83	15.2	10.1	18.9

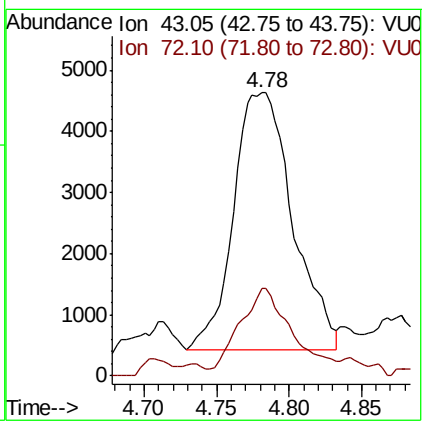


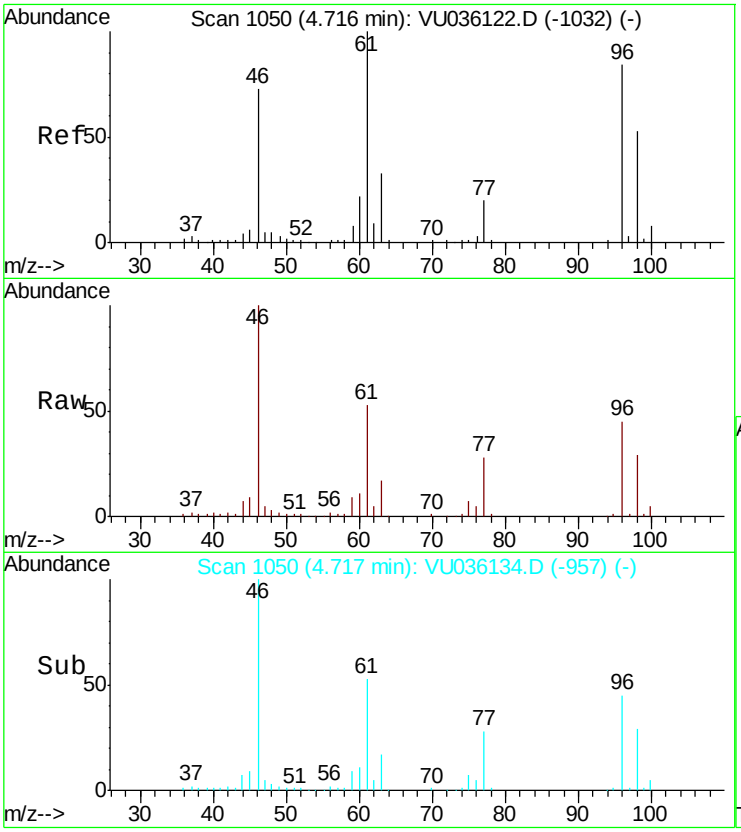


#21
2-Butanone
Concen: 1.985 ug/L
RT: 4.78 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VU036134.D
Acq: 11 Dec 2019 15:35

Tgt Ion: 43 Resp: 11941

Ion	Ratio	Lower	Upper
43	100		
72	27.6	15.0	45.0



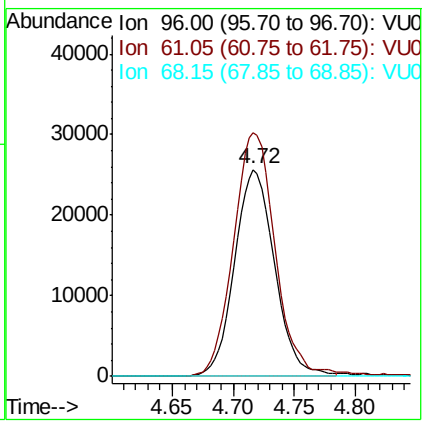


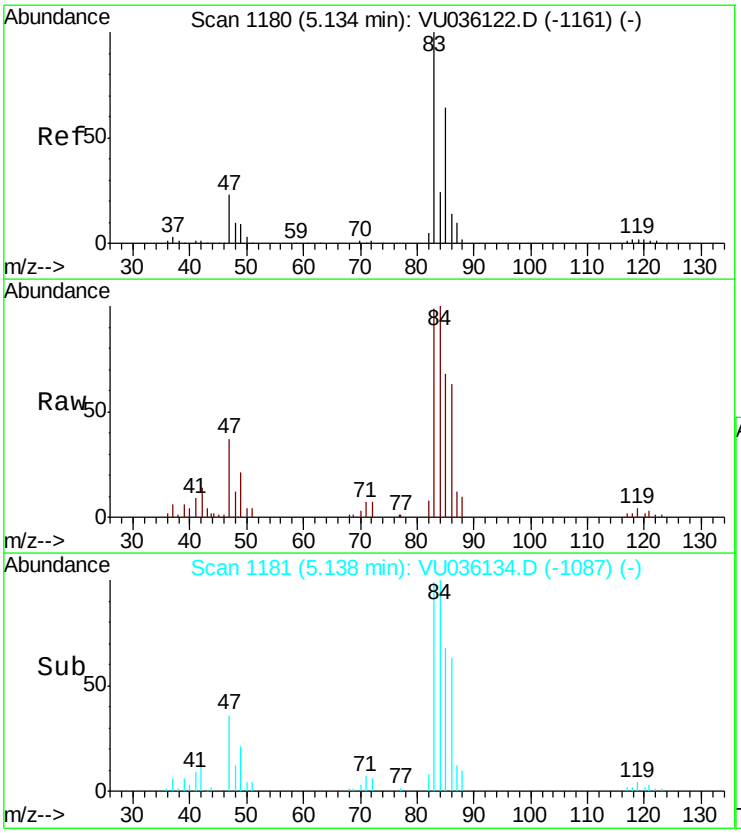
#22
cis-1,2-Dichloroethene
Concen: 2.399 ug/L
RT: 4.72 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU036134.D
Acq: 11 Dec 2019 15:35

Instrument :
MSVOA_U
ClientSampleId :
BFR92

Tgt Ion: 96 Resp: 58285

Ion	Ratio	Lower	Upper
96	100		
61	117.8	83.0	154.2
68	0.0	0.0	0.0

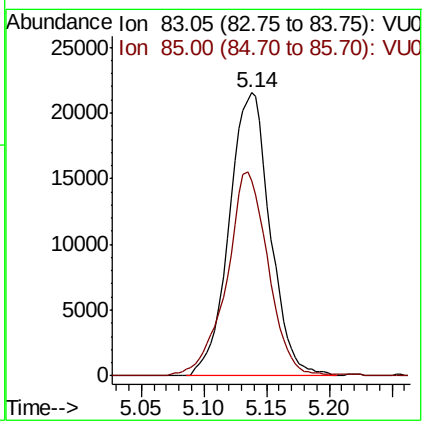


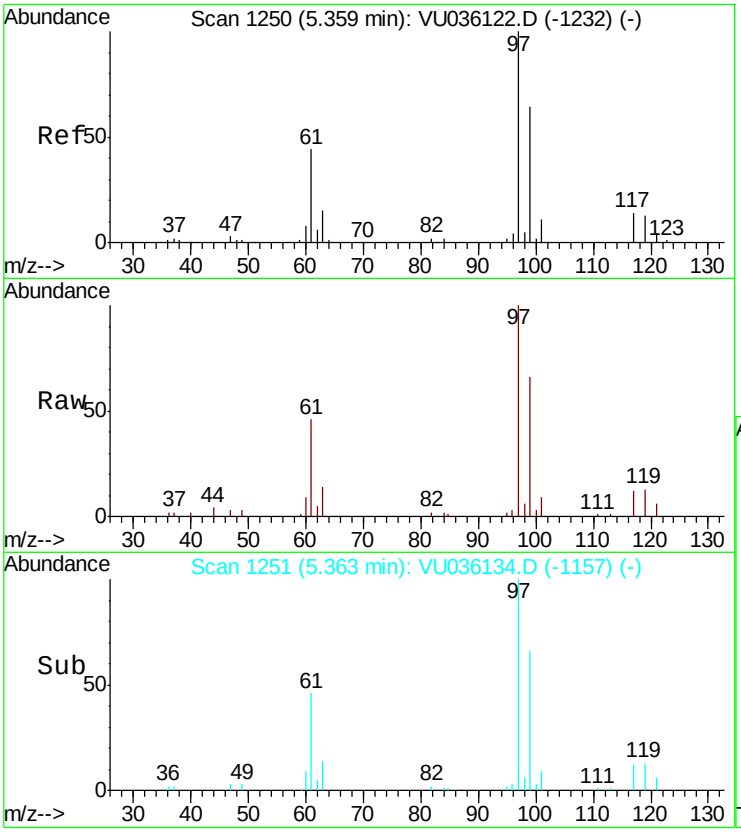


#25
Chloroform
Concen: 1.058 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036134.D
Acq: 11 Dec 2019 15:35

Tgt Ion: 83 Resp: 49002

Ion	Ratio	Lower	Upper
83	100		
85	69.0	43.9	81.5



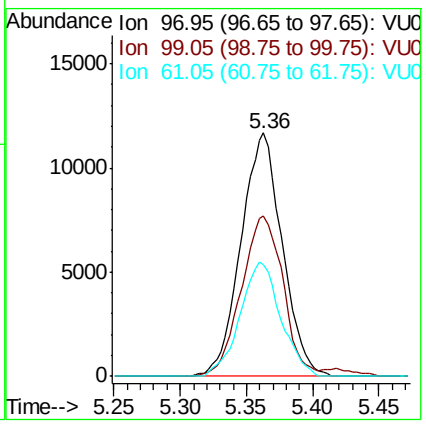


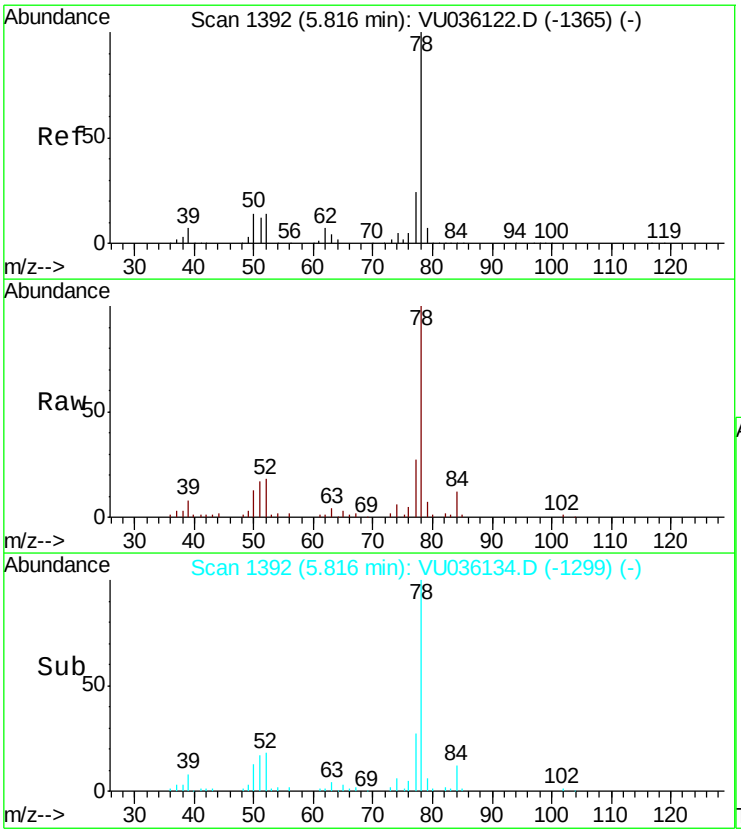
#29
1,1,1-Trichloroethane
Concen: 0.667 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU036134.D
Acq: 11 Dec 2019 15:35

Instrument :
MSVOA_U
ClientSampleId :
BFR92

Tgt Ion: 97 Resp: 25328

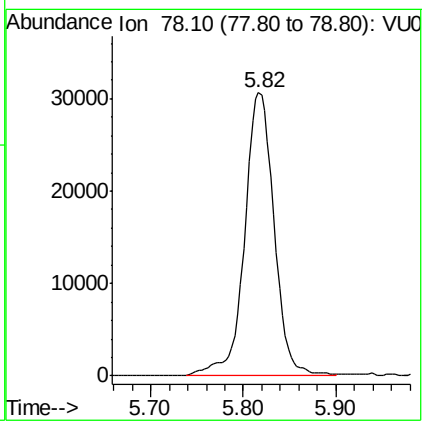
Ion	Ratio	Lower	Upper
97	100		
99	66.5	52.2	78.2
61	46.1	34.7	52.1

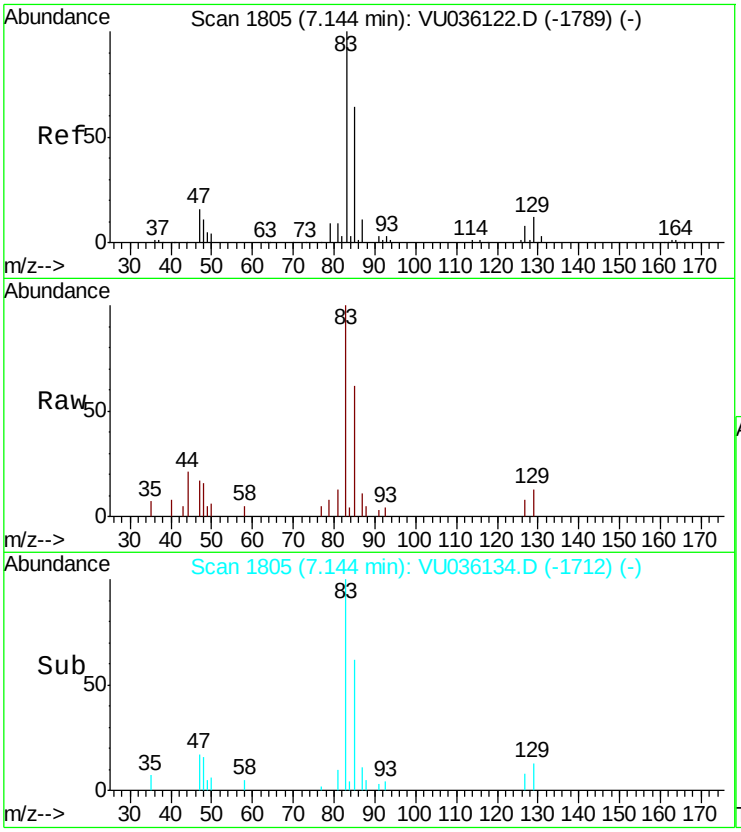




#33
Benzene
Concen: 0.737 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VU036134.D
Acq: 11 Dec 2019 15:35

Tgt Ion: 78 Resp: 67891



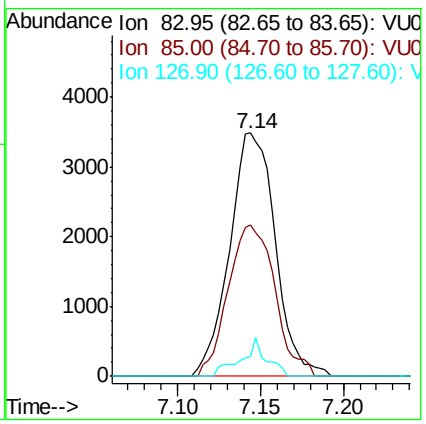


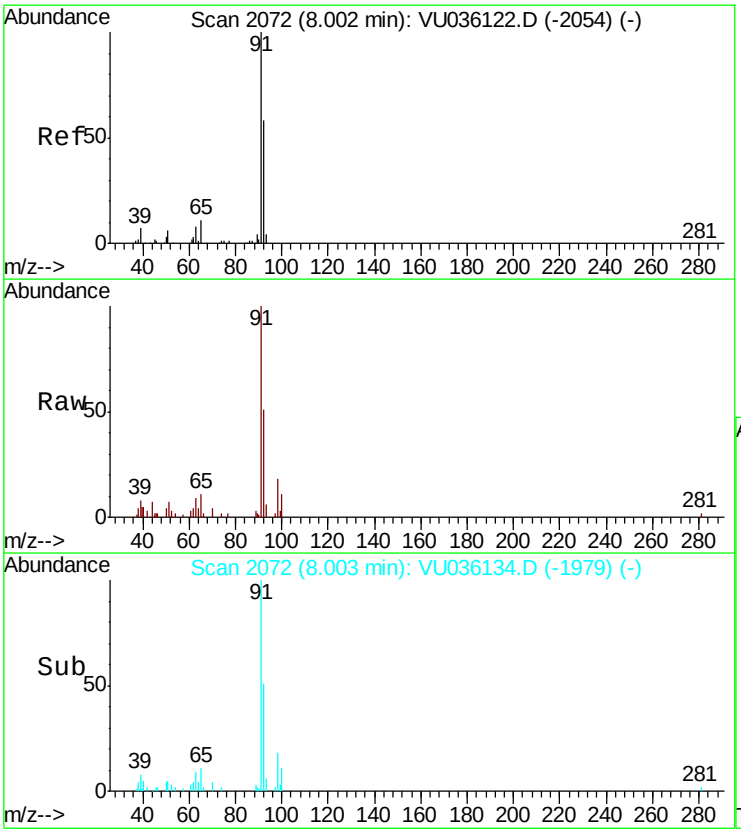
#38
Bromodichloromethane
Concen: 0.216 ug/L
RT: 7.14 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VU036134.D
Acq: 11 Dec 2019 15:35

Instrument :
MSVOA_U
ClientSampleId :
BFR92

Tgt Ion: 83 Resp: 6695

Ion	Ratio	Lower	Upper
83	100		
85	62.2	45.2	84.0
127	8.0	7.4	11.2

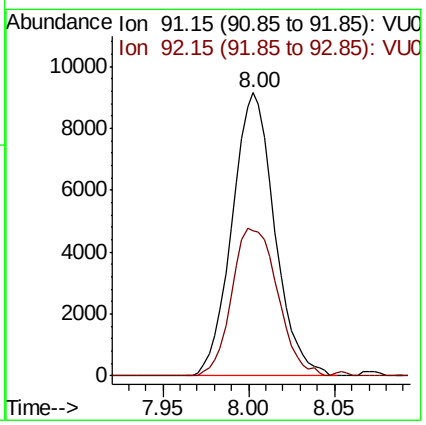


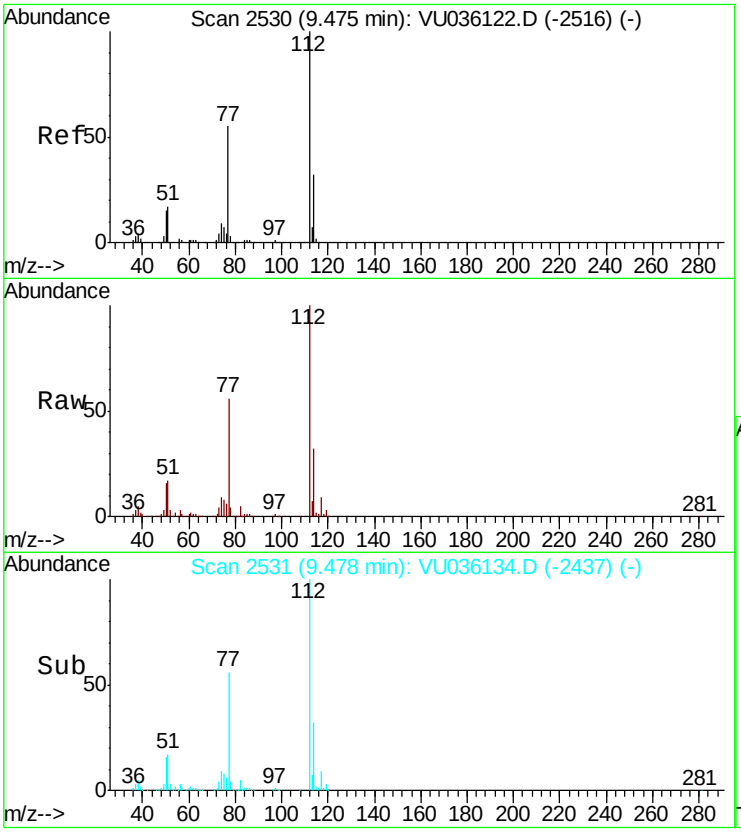


#42
Toluene
Concen: 0.160 ug/L
RT: 8.00 min Scan# 2072
Delta R.T. 0.00 min
Lab File: VU036134.D
Acq: 11 Dec 2019 15:35

Tgt Ion: 91 Resp: 15785

Ion	Ratio	Lower	Upper
91	100		
92	51.5	40.0	74.4



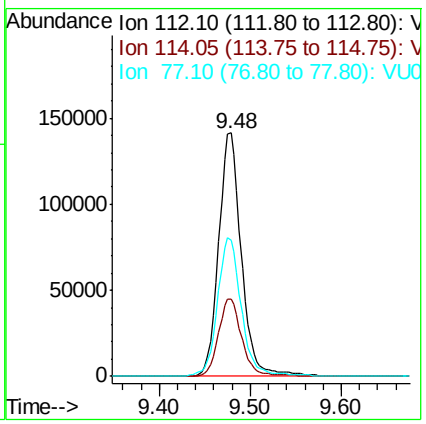


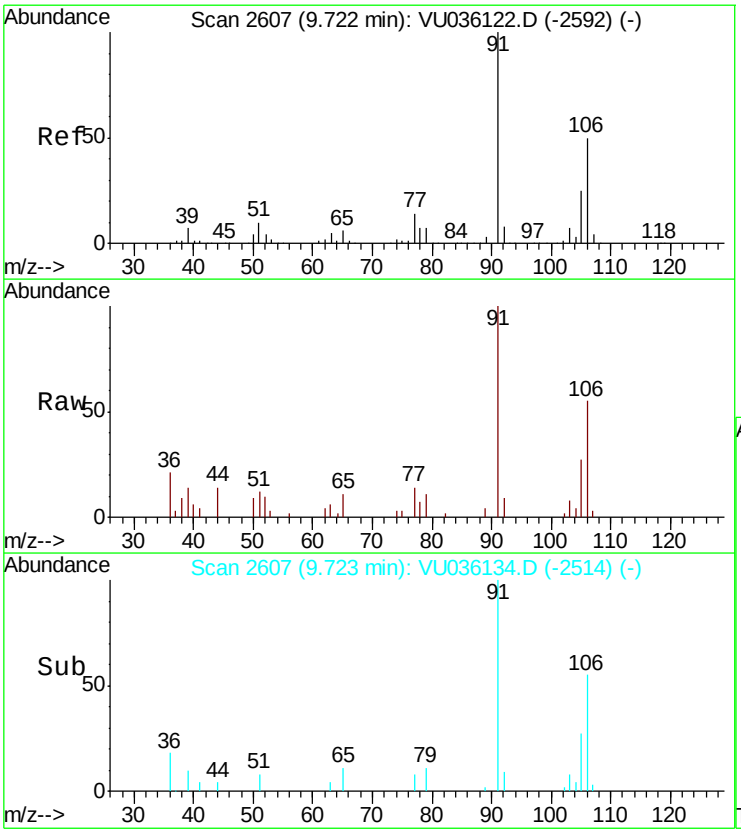
#51
Chlorobenzene
Concen: 3.562 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU036134.D
Acq: 11 Dec 2019 15:35

Instrument : MSVOA_U
ClientSampleId : BFR92

Tgt Ion:112 Resp: 245216

Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.3	41.5
77	56.2	43.8	65.8

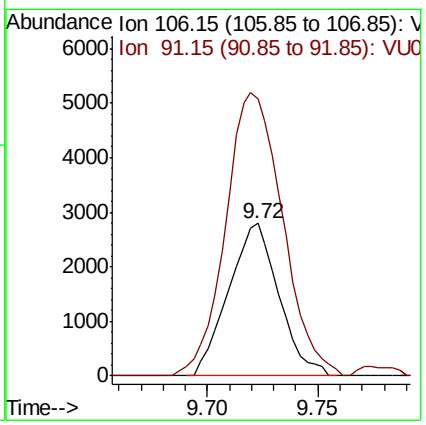


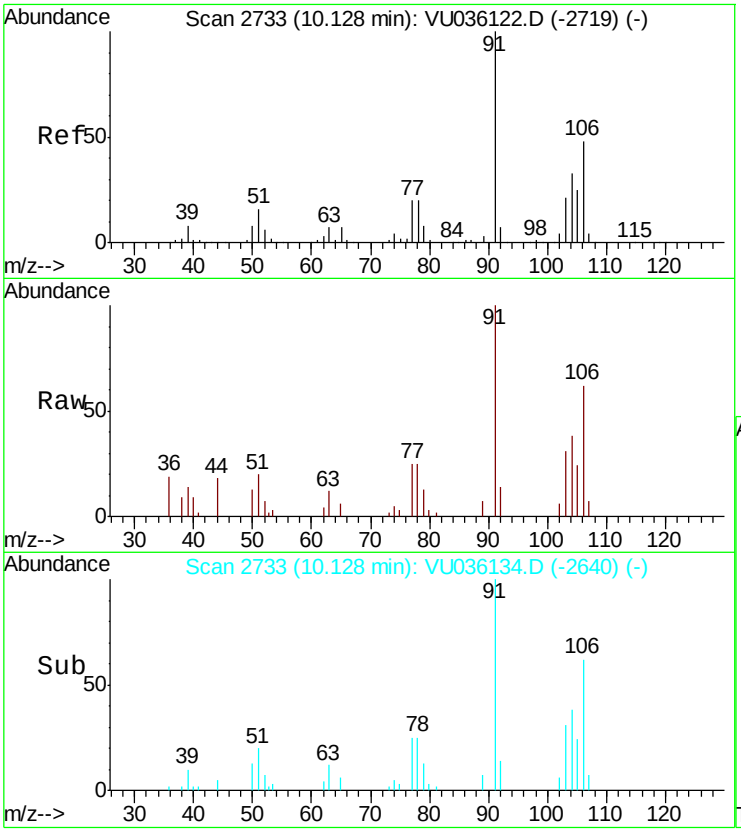


#53
m,p-Xylene
Concen: 0.108 ug/L
RT: 9.72 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VU036134.D
Acq: 11 Dec 2019 15:35

Tgt Ion:106 Resp: 4431

Ion	Ratio	Lower	Upper
106	100		
91	181.6	136.9	254.3



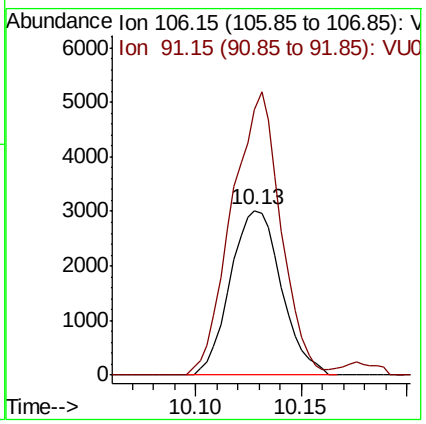


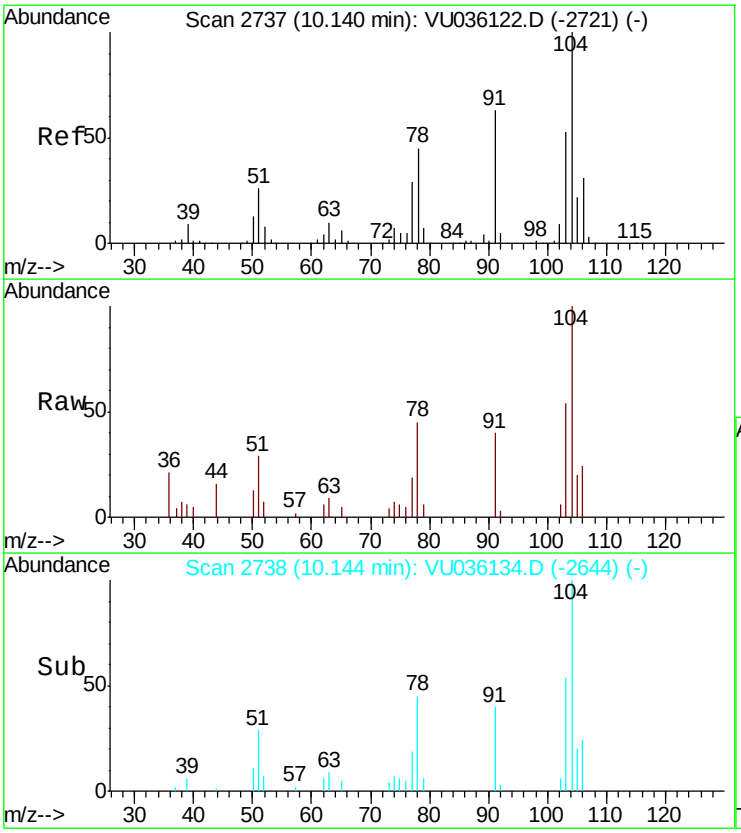
#54
o-Xylene
Concen: 0.131 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036134.D
Acq: 11 Dec 2019 15:35

Instrument :
MSVOA_U
ClientSampleId :
BFR92

Tgt Ion:106 Resp: 5065

Ion	Ratio	Lower	Upper
106	100		
91	161.4	140.6	261.2

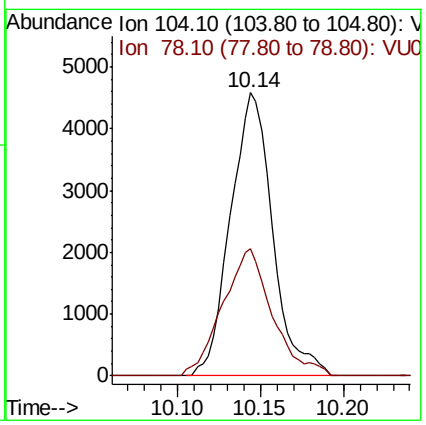


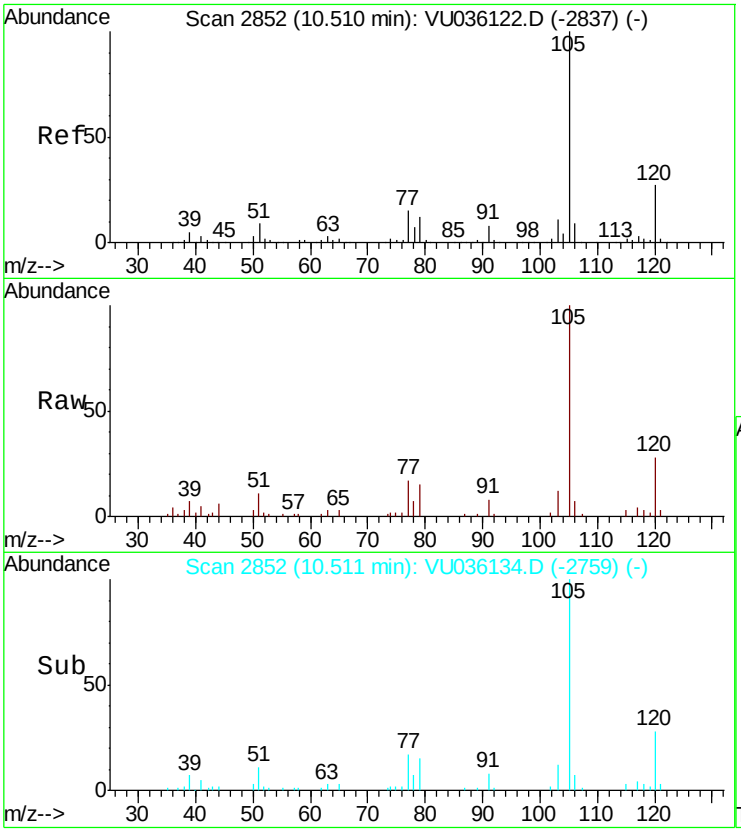


#55
Styrene
Concen: 0.122 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU036134.D
Acq: 11 Dec 2019 15:35

Tgt Ion:104 Resp: 8104

Ion	Ratio	Lower	Upper
104	100		
78	45.0	30.5	56.7



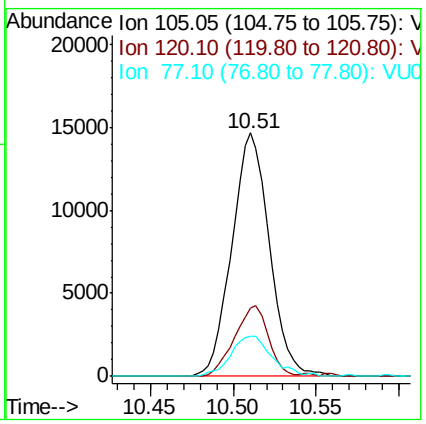


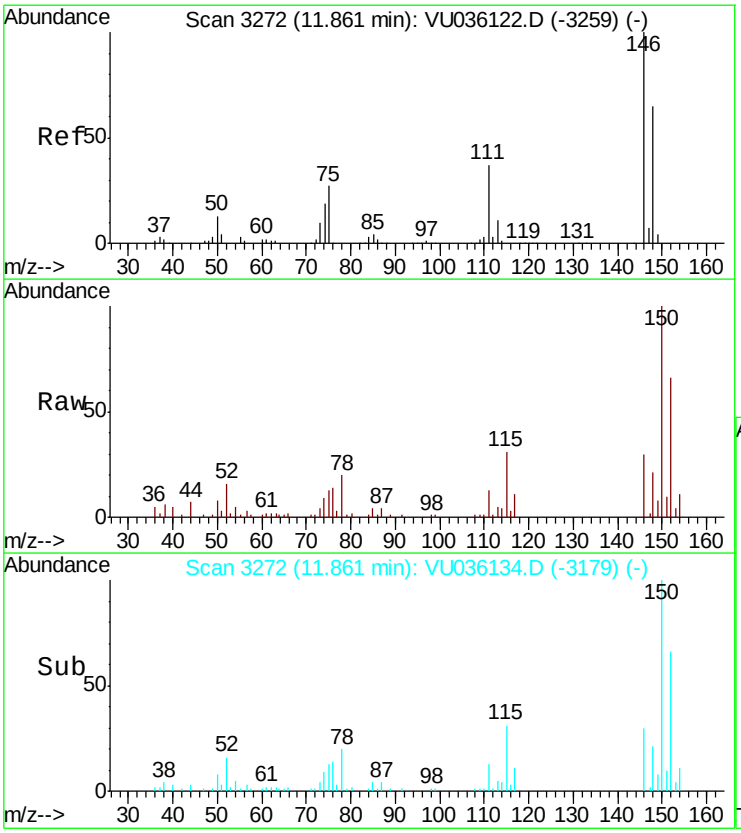
#56
Isopropylbenzene
Concen: 0.226 ug/L
RT: 10.51 min Scan# 2852
Delta R.T. 0.00 min
Lab File: VU036134.D
Acq: 11 Dec 2019 15:35

Instrument : MSVOA_U
ClientSampleId : BFR92

Tgt Ion:105 Resp: 23107

Ion	Ratio	Lower	Upper
105	100		
120	26.1	21.4	32.2
77	18.1	12.3	18.5

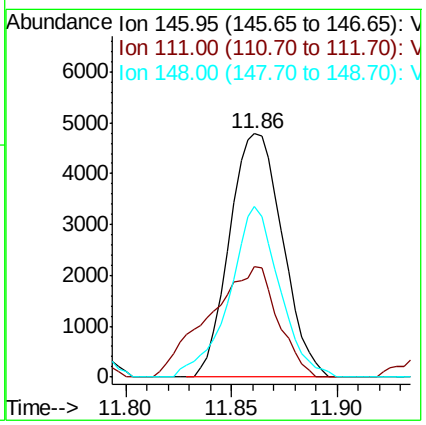


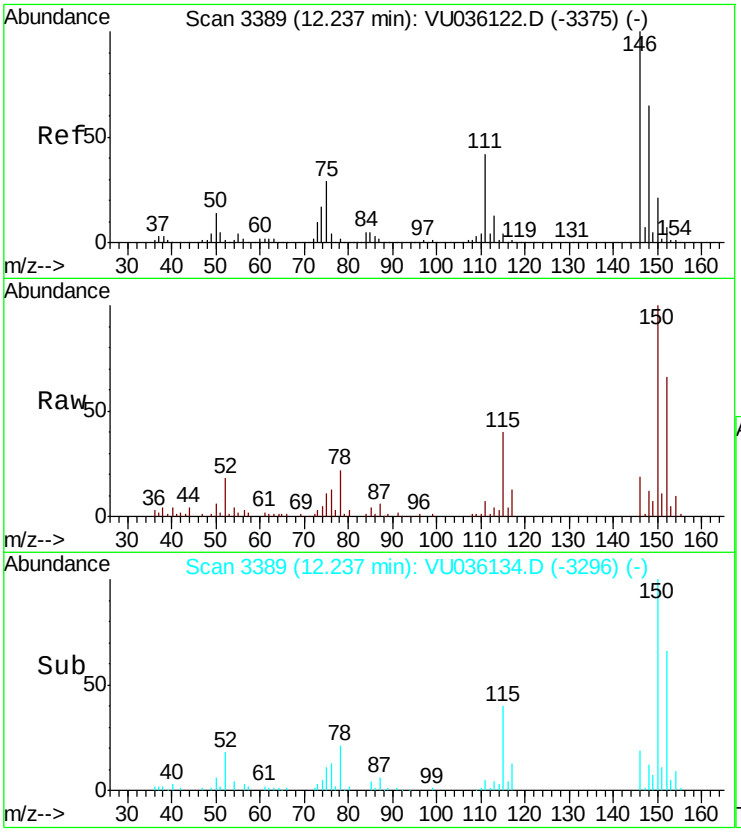


#63
1,4-Dichlorobenzene
Concen: 0.200 ug/L
RT: 11.86 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VU036134.D
Acq: 11 Dec 2019 15:35

Tgt Ion:146 Resp: 8344

Ion	Ratio	Lower	Upper
146	100		
111	45.3	26.2	48.6
148	70.1	44.9	83.5





#65
1,2-Dichlorobenzene
Concen: 0.175 ug/L
RT: 12.24 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU036134.D
Acq: 11 Dec 2019 15:35

Instrument :
MSVOA_U
ClientSampleId :
BFR92

Tgt Ion:146 Resp: 7348

Ion	Ratio	Lower	Upper
146	100		
111	36.8	31.3	46.9
148	61.2	50.5	75.7