Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021119\
Data File : VU029396.D
Acq On : 11 Feb 2019 14:45
Operator : JC/SP
Sample : K1410-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2F71

Quant Time: Feb 12 09:56:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 12 01:17:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	222778	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	206914	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	116123	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	80989	4.91	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 98.20%			
7) Chloroethane-d5	1.68	69	68631	5.13	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 102.60%			
11) 1,1-Dichloroethene-d2	2.27	63	154864	4.69	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 93.80%			
20) 2-Butanone-d5	4.19	46	154036	52.02	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 104.04%			
24) Chloroform-d	4.65	84	124381	4.97	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 99.40%			
26) 1,2-Dichloroethane-d4	5.31	65	64628	4.99	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 99.80%			
32) Benzene-d6	5.34	84	268180	5.28	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 105.60%			
36) 1,2-Dichloropropane-d6	6.33	67	78180	5.22	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 104.40%			
41) Toluene-d8	7.56	98	264931	5.26	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 105.20%			
43) trans-1,3-Dichloropropene-	7.85	79	35021	5.05	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 101.00%			
46) 2-Hexanone-d5	8.31	63	158561	53.45	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 106.90%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	63957	5.05	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 101.00%			
64) 1,2-Dichlorobenzene-d4	11.86	152	113514	5.35	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 107.00%			
Target Compounds						Qvalue
3) Chloromethane	1.33	50	54581	3.219	ug/L	100
6) Bromomethane	1.62	94	50543	3.722	ug/L	99
9) Trichlorofluoromethane	1.88	101	205664	7.036	ug/L	99
12) 1,1-Dichloroethene	2.28	96	55061	3.373	ug/L #	77
13) Acetone	2.33	43	185385	78.227	ug/L	98
14) Carbon disulfide	2.48	76	246542	4.485	ug/L	100
16) Methylene chloride	2.70	84	40198	2.240	ug/L	99
17) Methyl tert-butyl Ether	3.00	73	344436	8.376	ug/L	100
19) 1,1-Dichloroethane	3.44	63	254457	9.407	ug/L	99
21) 2-Butanone	4.28	43	355317	120.856	ug/L	99
27) 1,2-Dichloroethane	5.41	62	107175	7.076	ug/L	95
29) 1,1,1-Trichloroethane	4.91	97	192250	8.405	ug/L	97
30) Cyclohexane	4.99	56	230223	10.590	ug/L	97
34) Trichloroethene	6.18	95	77807	5.140	ug/L	100
35) Methylcyclohexane	6.41	83	154671	5.966	ug/L	99
37) 1,2-Dichloropropane	6.43	63	30241	2.251	ug/L	98
42) Toluene	7.63	91	522524	8.636	ug/L	98

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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2F71

Quant Time: Feb 12 09:56:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 12 01:17:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	8.22	164	117695	8.376	ug/L	99
48) 2-Hexanone	8.36	43	314909	59.913	ug/L	99
50) 1,2-Dibromoethane	8.59	107	164140	16.193	ug/L	98
51) Chlorobenzene	9.12	112	433321	10.378	ug/L	98
52) Ethylbenzene	9.25	91	434359	6.299	ug/L	100
53) m,p-xylene	9.38	106	352684	12.801	ug/L	97
54) o-xylene	9.78	106	142056	5.310	ug/L	99
55) Styrene	9.79	104	236643	5.312	ug/L	100
56) Isopropylbenzene	10.16	105	238258	3.351	ug/L	99
61) Bromoform	9.96	173	46531	5.100	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	155761	4.256	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	399510	11.843	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	9100	4.018	ug/L	97
70) 1,2,3-Trichlorobenzene	13.98	180	256852	10.938	ug/L	99

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

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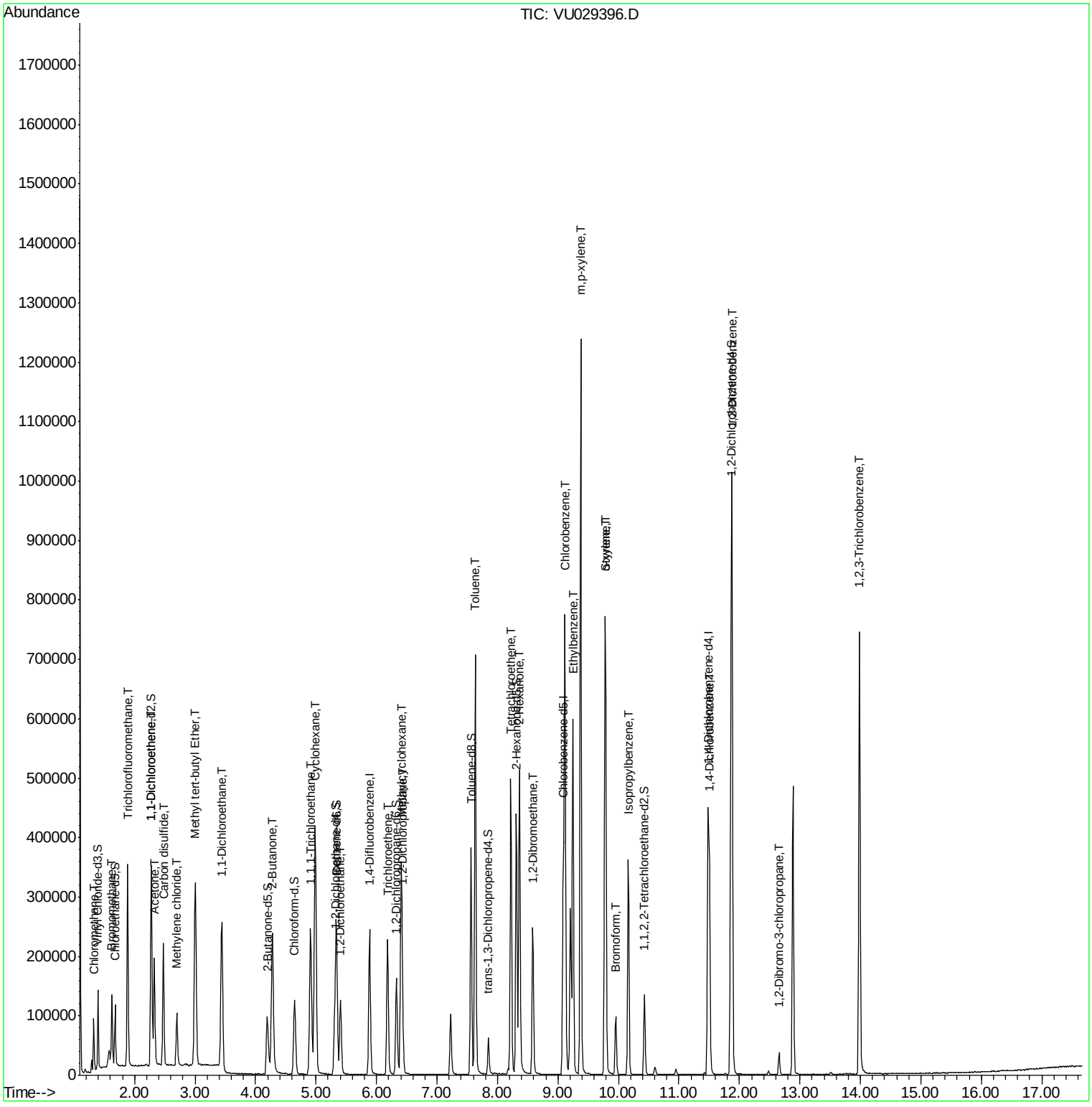
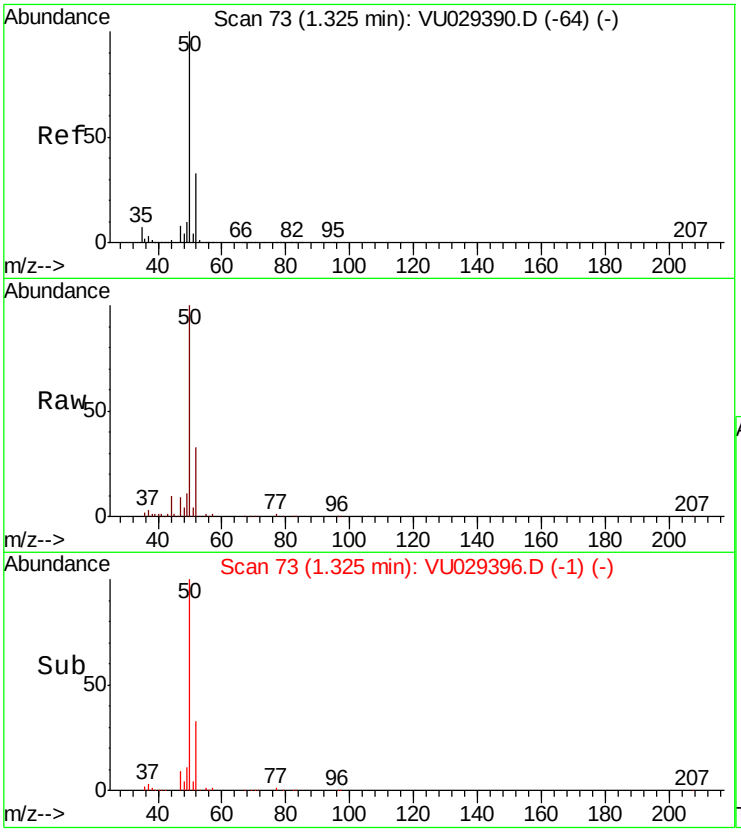


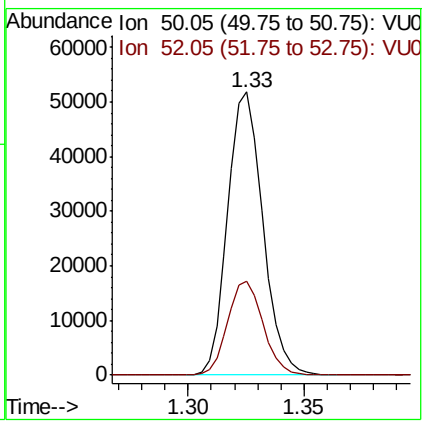


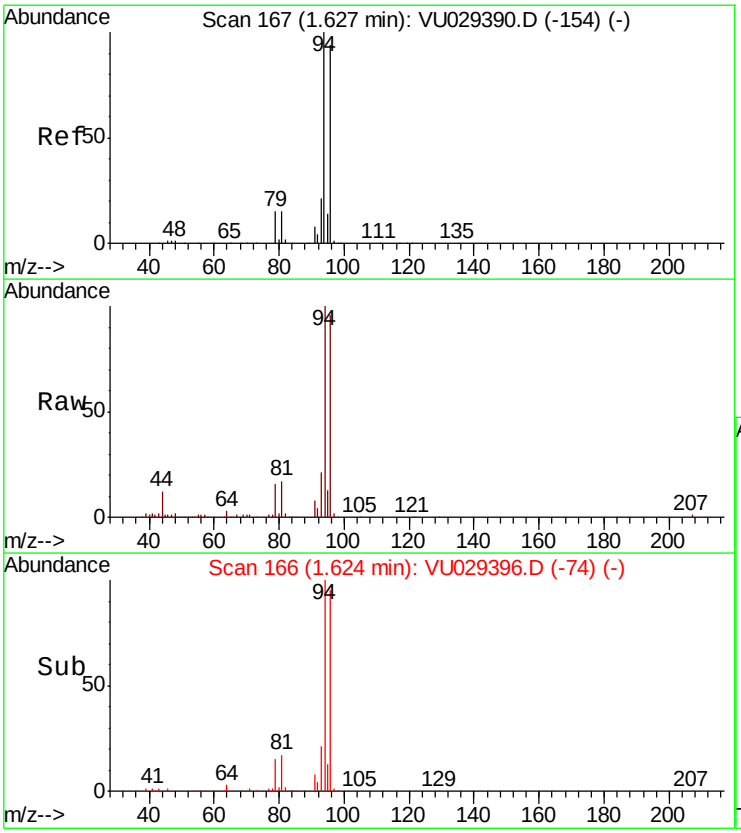
#3
Chloromethane
Concen: 3.219 ug/L
RT: 1.33 min Scan# 73
Delta R.T. 0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Instrument : MSVOA_U
ClientSampleId : X2F71

Tgt Ion: 50 Resp: 54581

Ion	Ratio	Lower	Upper
50	100		
52	33.4	23.4	43.4

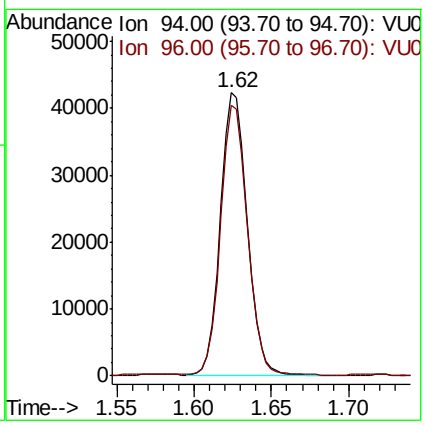


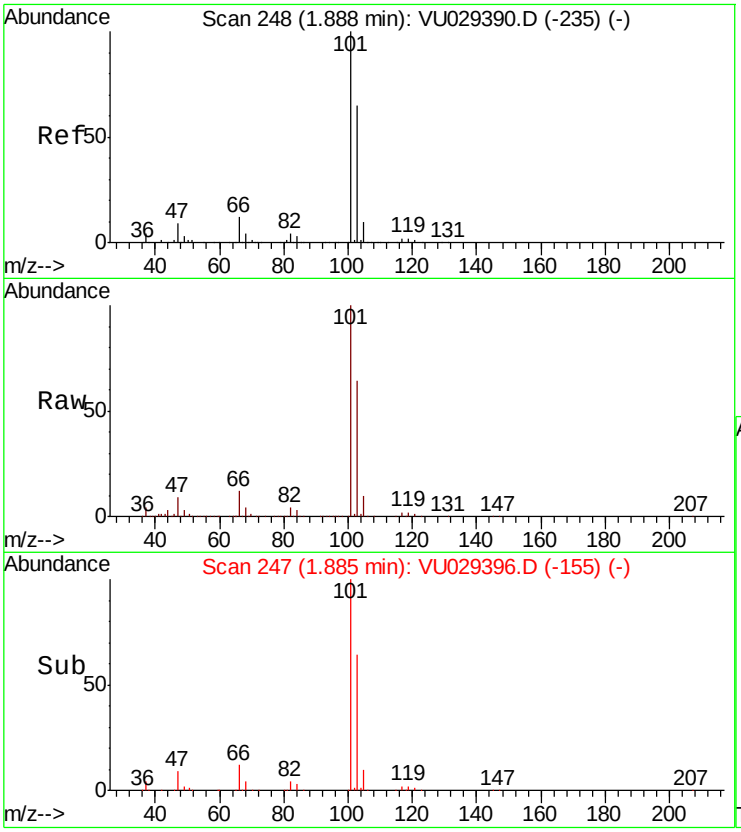


#6
Bromomethane
Concen: 3.722 ug/L
RT: 1.62 min Scan# 166
Delta R.T. -0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Tgt Ion: 94 Resp: 50543

Ion	Ratio	Lower	Upper
94	100		
96	95.6	66.1	122.7



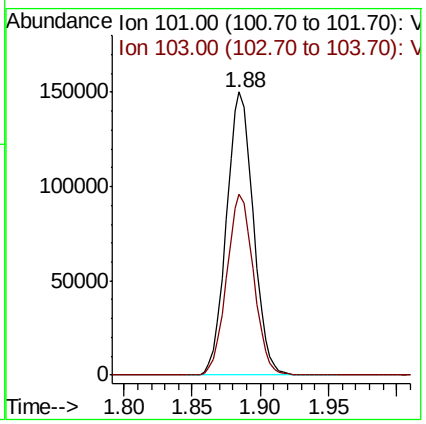


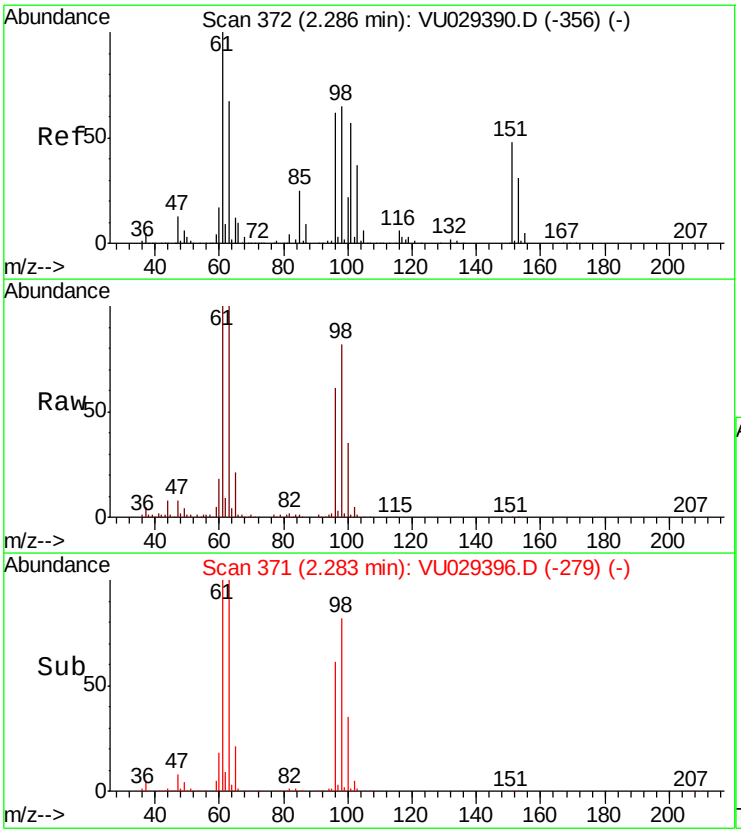
#9
Trichlorofluoromethane
Concen: 7.036 ug/L
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Instrument : MSVOA_U
ClientSampleId : X2F71

Tgt Ion:101 Resp: 205664

Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.8	77.6

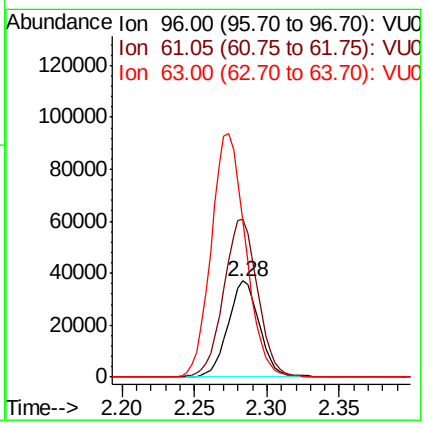


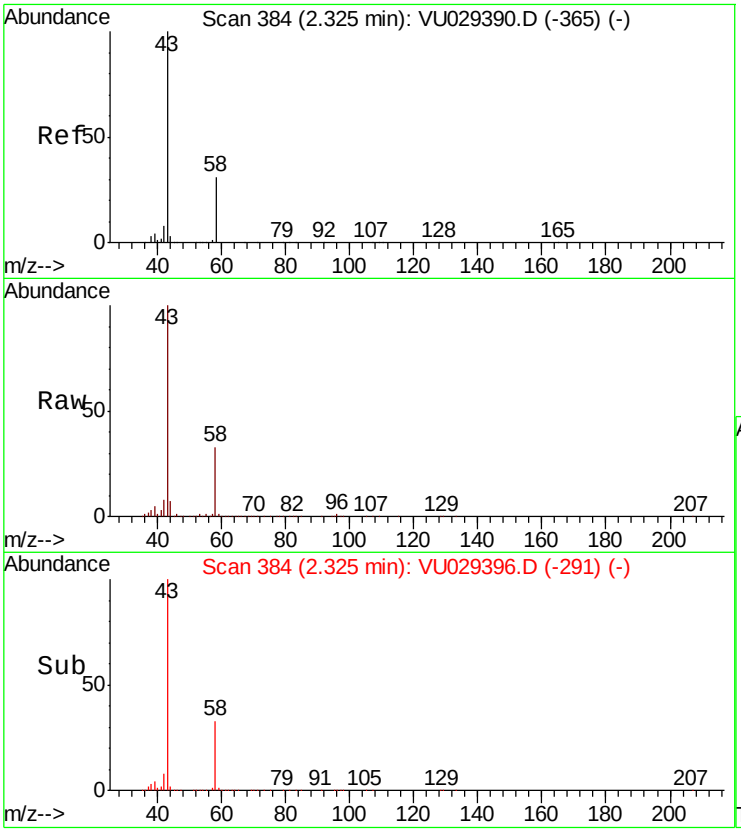


#12
1,1-Dichloroethene
Concen: 3.373 ug/L
RT: 2.28 min Scan# 371
Delta R.T. -0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Tgt Ion: 96 Resp: 55061

Ion	Ratio	Lower	Upper
96	100		
61	163.7	112.4	208.8
63	163.4	75.5	140.3#



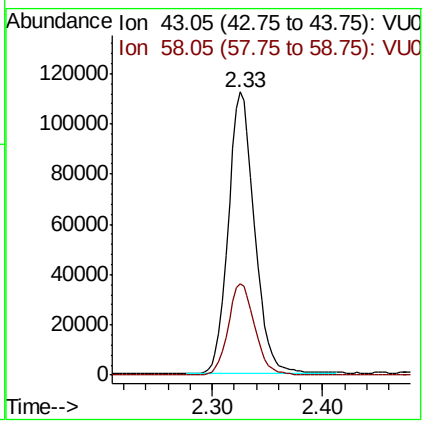


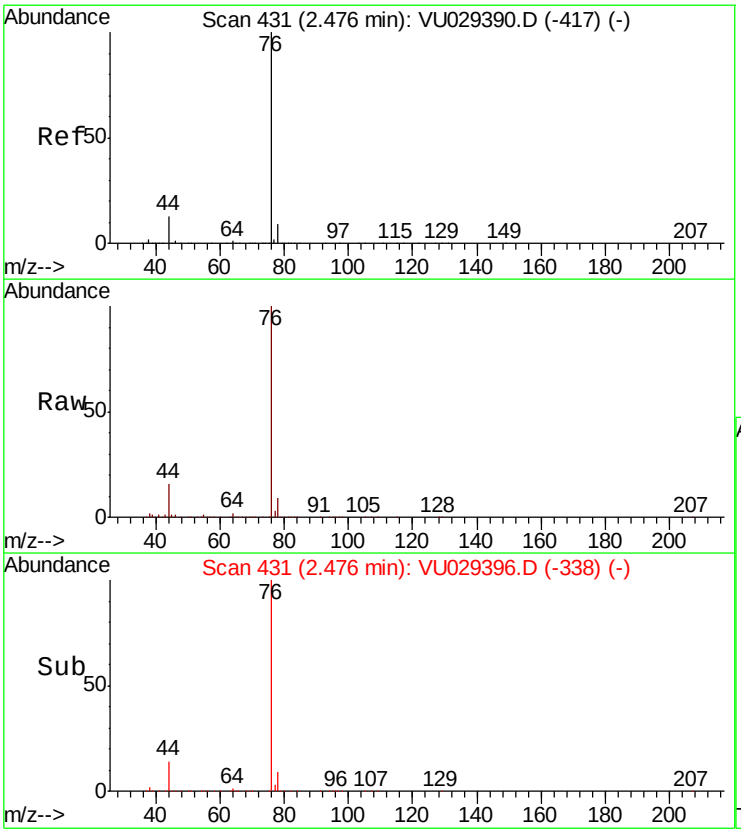
#13
Acetone
Concen: 78.227 ug/L
RT: 2.33 min Scan# 384
Delta R.T. 0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Instrument :
MSVOA_U
ClientSampleId :
X2F71

Tgt Ion: 43 Resp: 185385

Ion	Ratio	Lower	Upper
43	100		
58	33.0	0.0	64.2

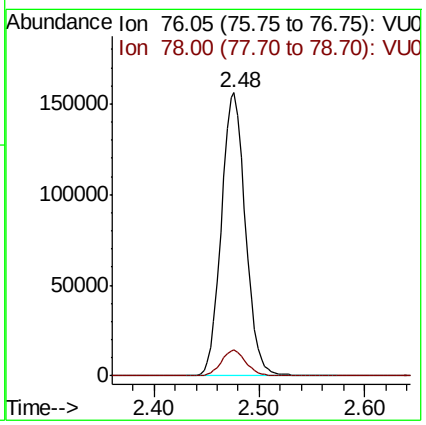


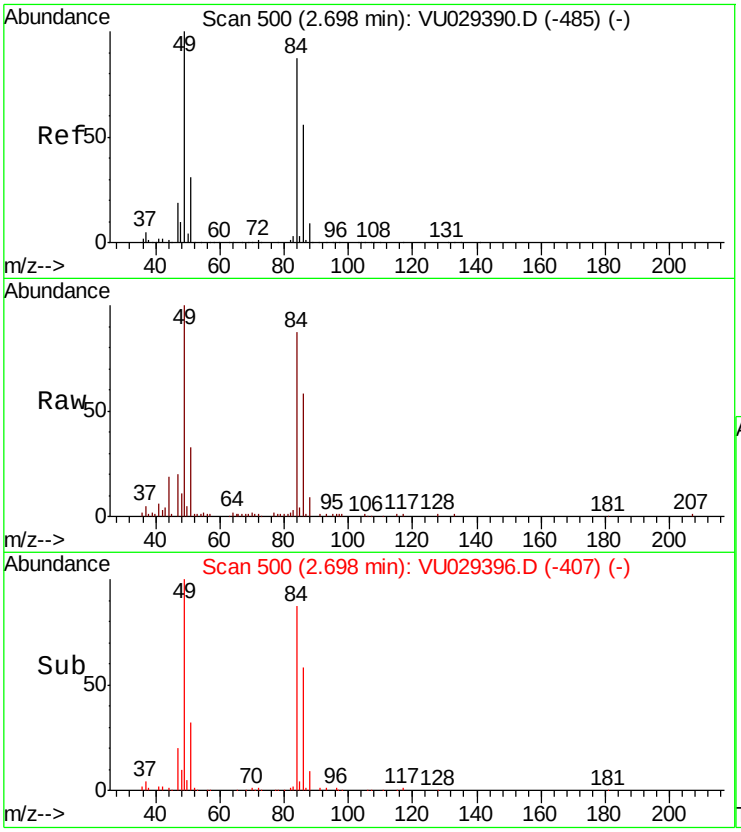


#14
Carbon disulfide
Concen: 4.485 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Tgt Ion: 76 Resp: 246542

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



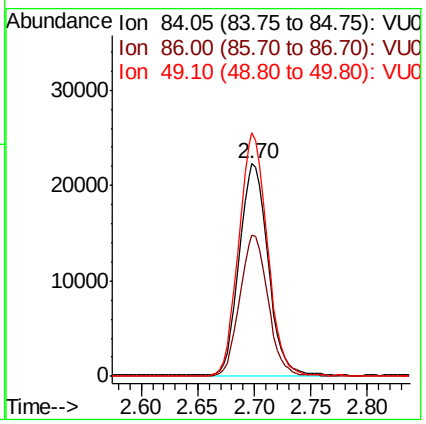


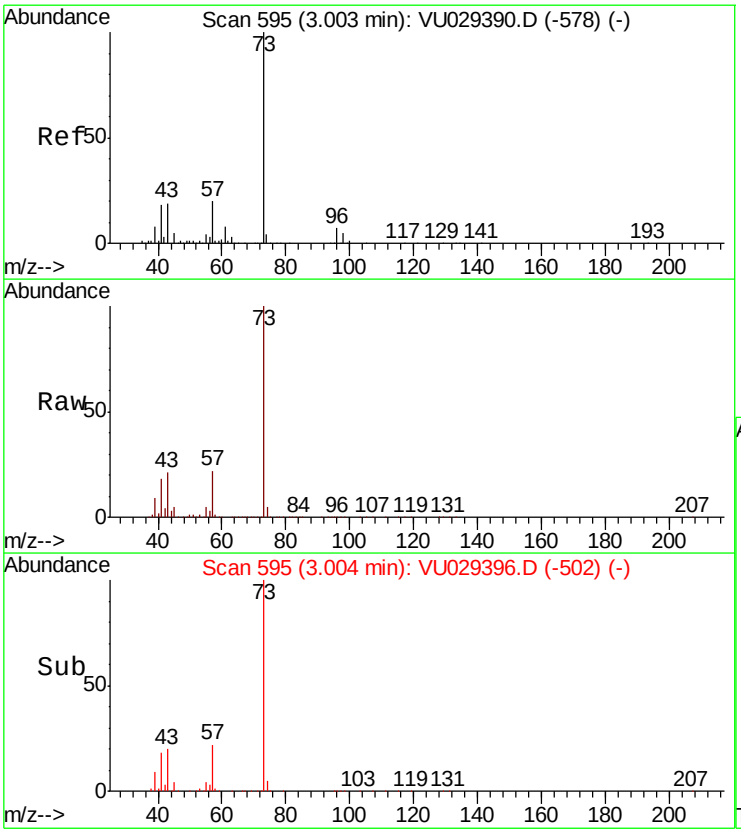
#16
Methylene chloride
Concen: 2.240 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Instrument : MSVOA_U
ClientSampleId : X2F71

Tgt Ion: 84 Resp: 40198

Ion	Ratio	Lower	Upper
84	100		
86	66.3	44.7	82.9
49	114.4	80.4	149.2

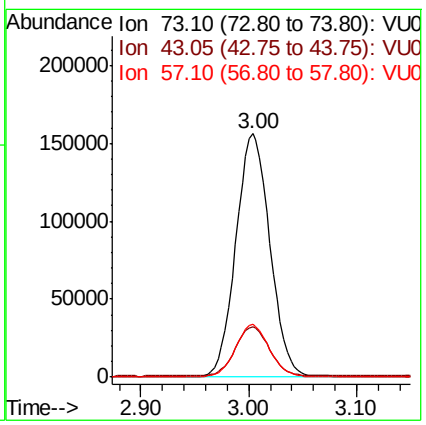


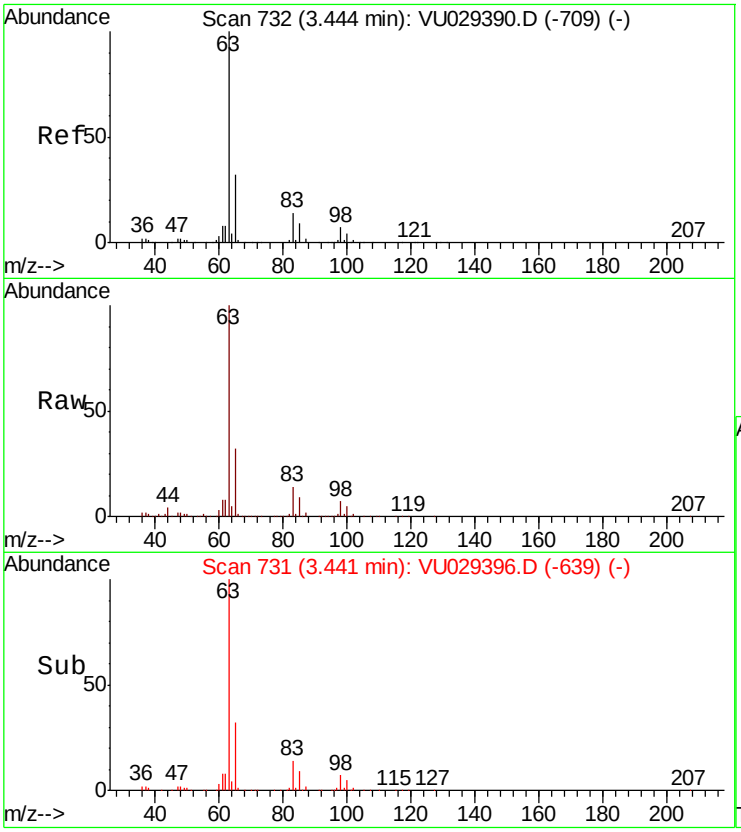


#17
Methyl tert-butyl Ether
Concen: 8.376 ug/L
RT: 3.00 min Scan# 595
Delta R.T. 0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Tgt Ion: 73 Resp: 344436

Ion	Ratio	Lower	Upper
73	100		
43	19.8	15.9	23.9
57	21.1	16.9	25.3



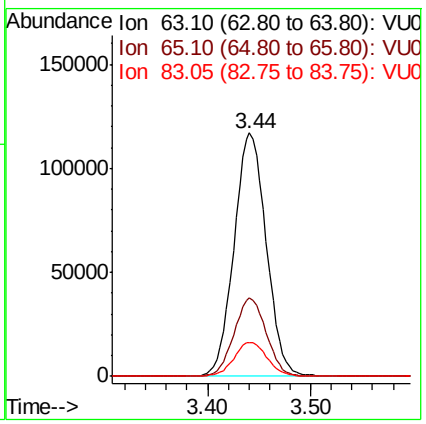


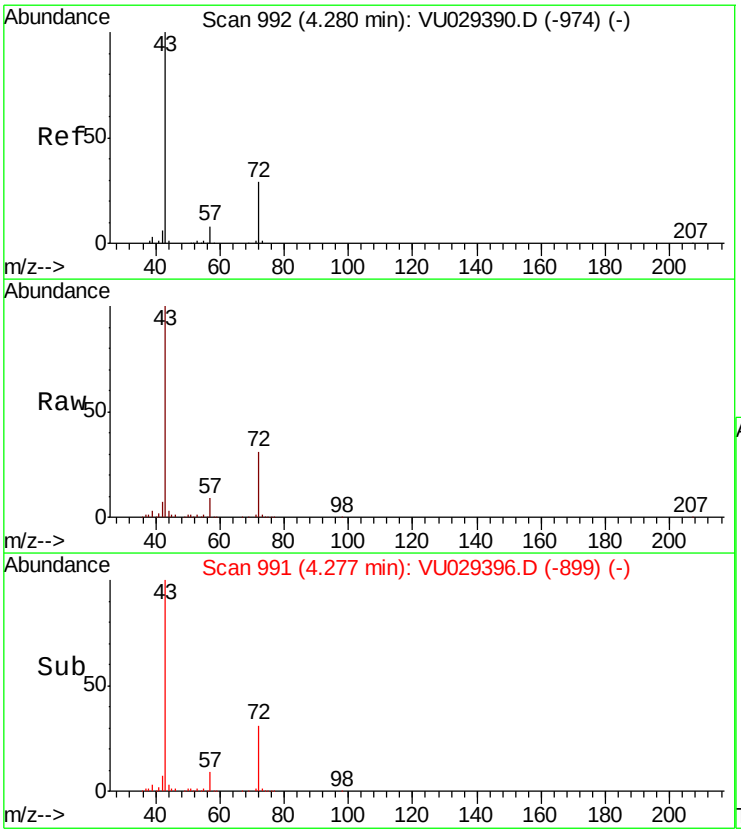
#19
1,1-Dichloroethane
Concen: 9.407 ug/L
RT: 3.44 min Scan# 731
Delta R.T. -0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Instrument : MSVOA_U
ClientSampleId : X2F71

Tgt Ion: 63 Resp: 254457

Ion	Ratio	Lower	Upper
63	100		
65	32.0	22.8	42.4
83	14.1	10.0	18.6

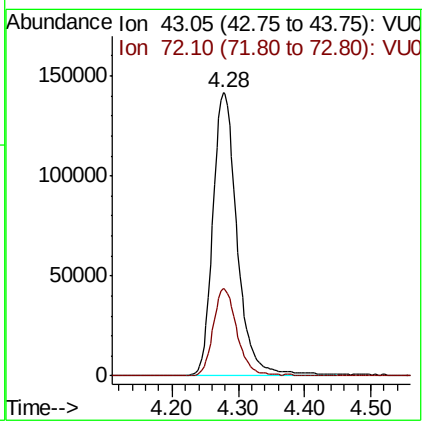


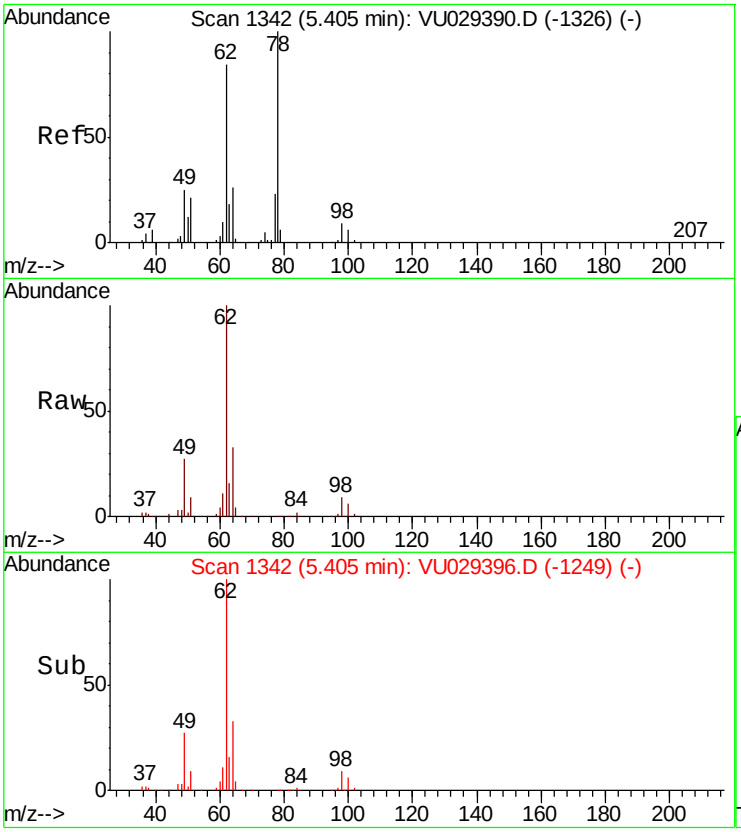


#21
2-Butanone
Concen: 120.856 ug/L
RT: 4.28 min Scan# 991
Delta R.T. -0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Tgt Ion: 43 Resp: 355317

Ion	Ratio	Lower	Upper
43	100		
72	30.7	15.0	45.1



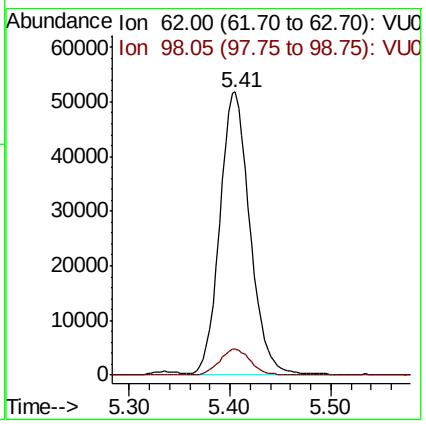


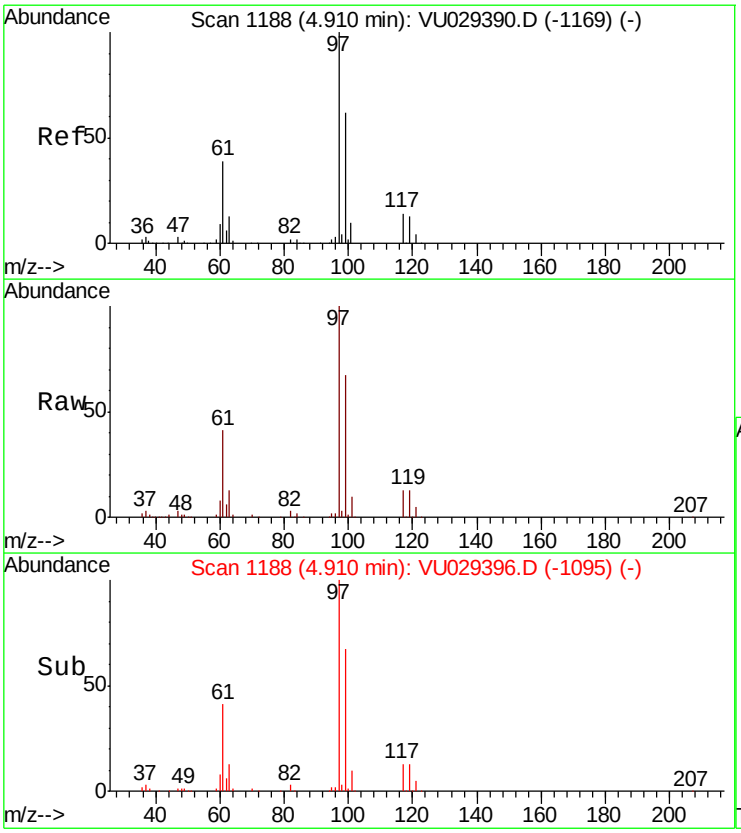
#27
1,2-Dichloroethane
Concen: 7.076 ug/L
RT: 5.41 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Instrument : MSVOA_U
ClientSampleId : X2F71

Tgt Ion: 62 Resp: 107175

Ion	Ratio	Lower	Upper
62	100		
98	9.2	8.7	13.1

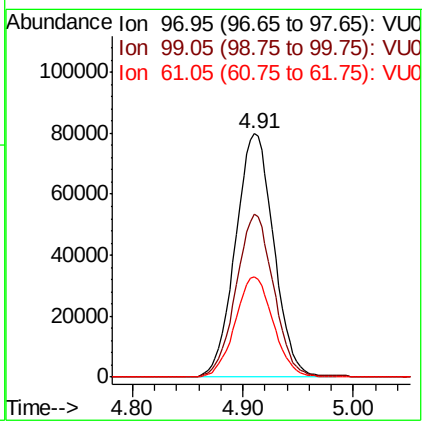


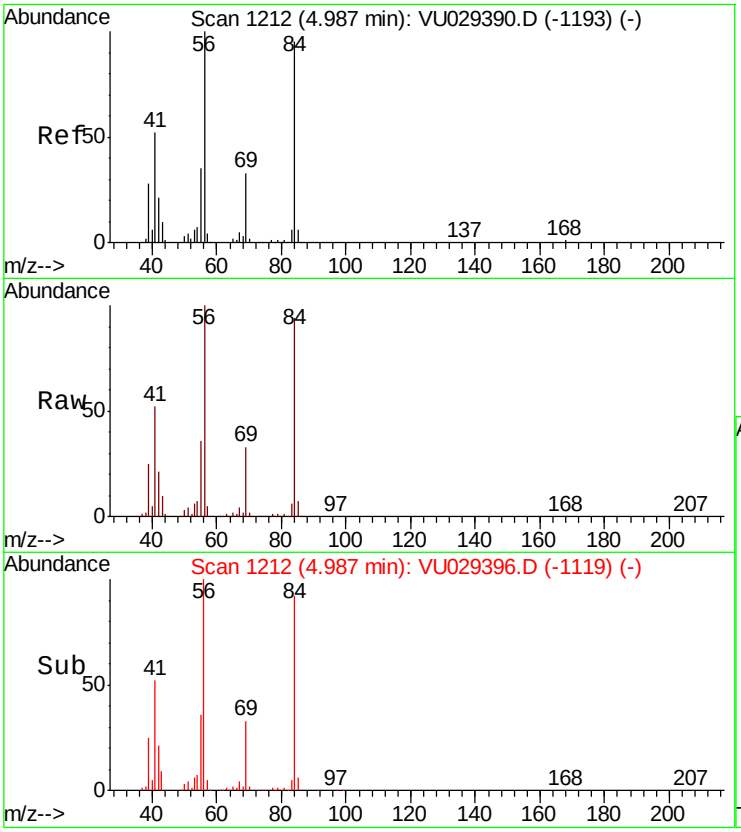


#29
1,1,1-Trichloroethane
Concen: 8.405 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Tgt Ion: 97 Resp: 192250

Ion	Ratio	Lower	Upper
97	100		
99	66.0	50.9	76.3
61	41.1	32.0	48.0



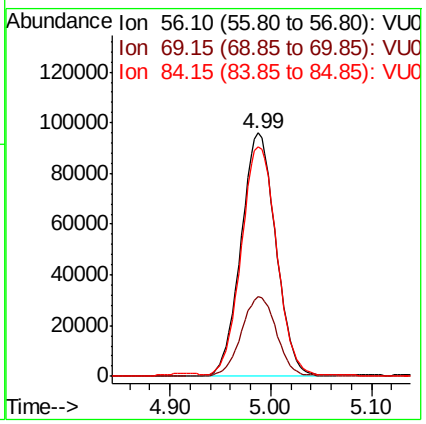


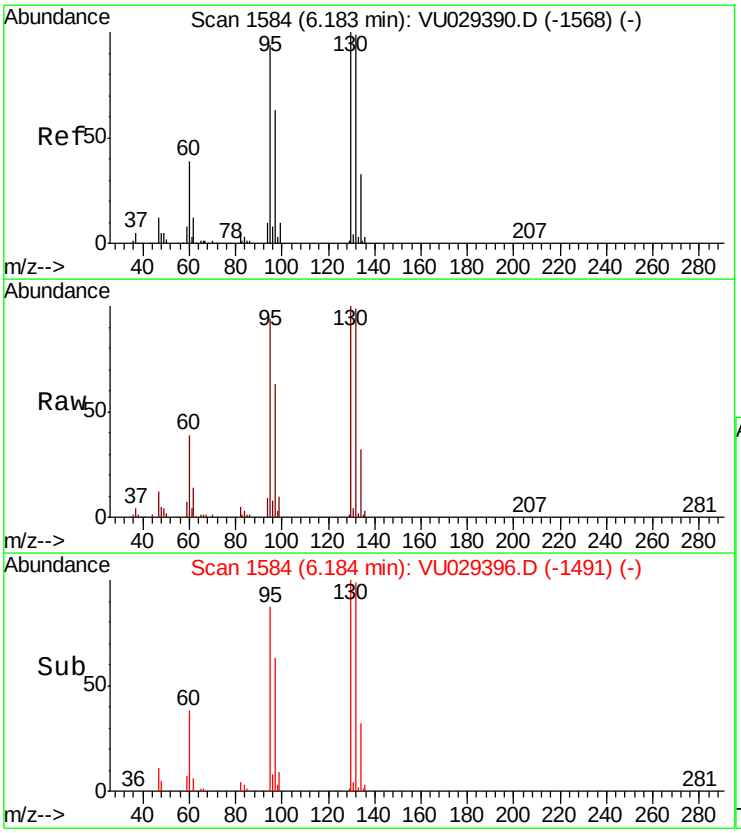
#30
Cyclohexane
Concen: 10.590 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Instrument : MSVOA_U
ClientSampleId : X2F71

Tgt Ion: 56 Resp: 230223

Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.8	40.2
84	95.0	78.7	118.1

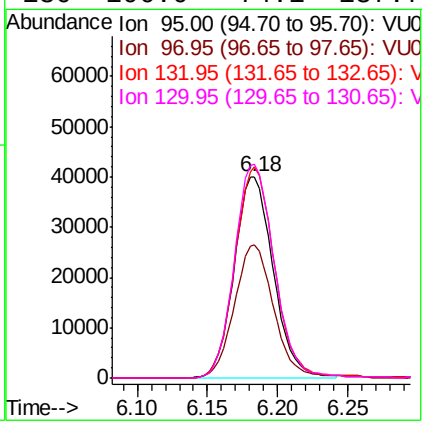


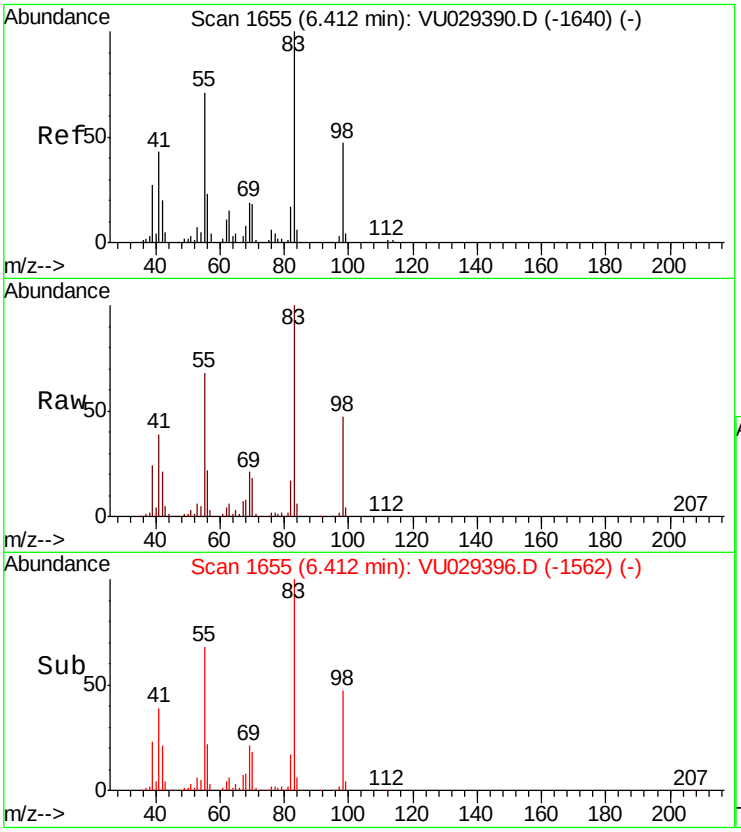


#34
Trichloroethene
Concen: 5.140 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Tgt Ion: 95 Resp: 77807

Ion	Ratio	Lower	Upper
95	100		
97	66.3	46.5	86.5
132	104.7	73.3	136.1
130	106.0	74.1	137.7



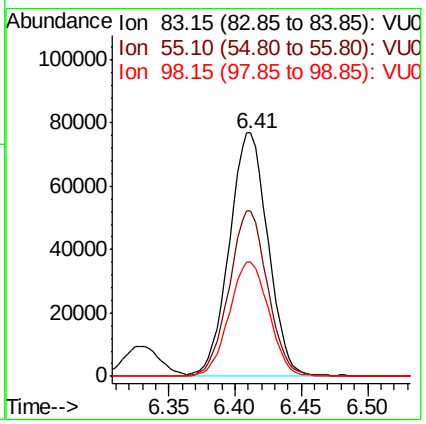


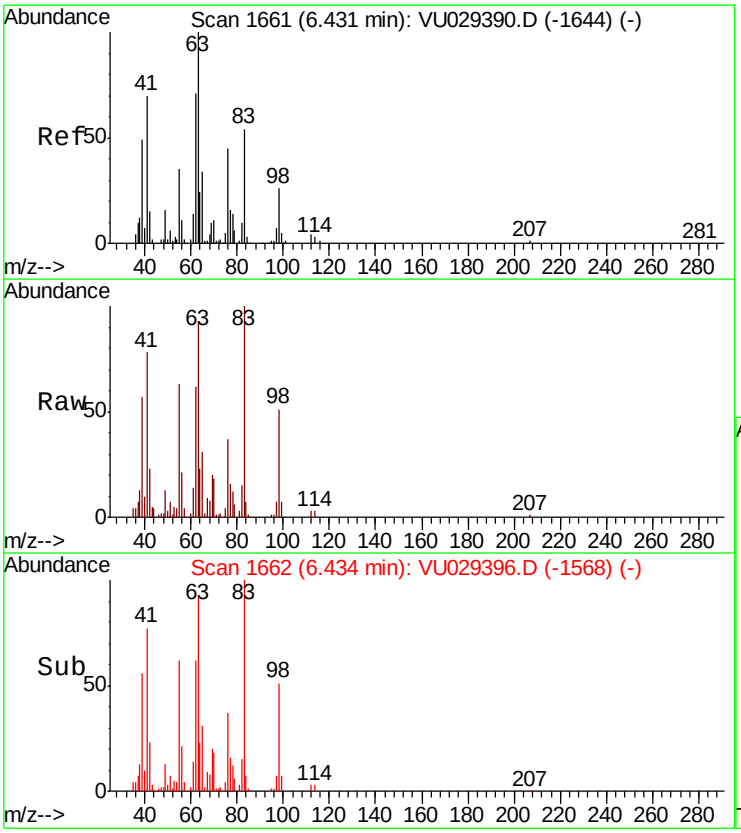
#35
Methylcyclohexane
Concen: 5.966 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Instrument :
MSVOA_U
ClientSampleId :
X2F71

Tgt Ion: 83 Resp: 154671

Ion	Ratio	Lower	Upper
83	100		
55	68.0	55.3	82.9
98	48.3	37.9	56.9

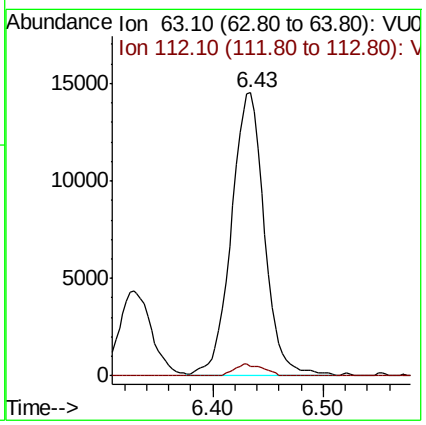


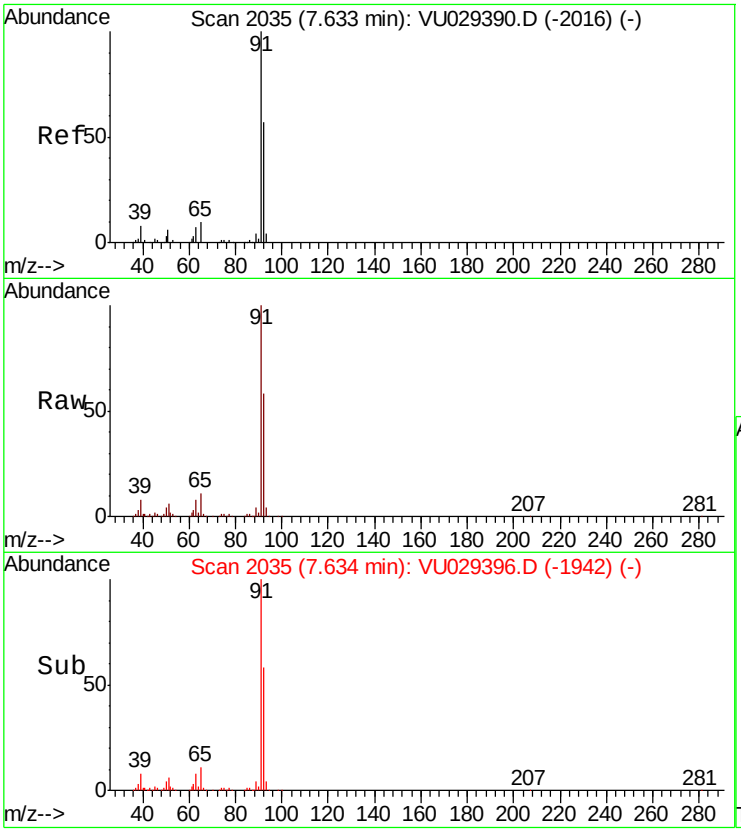


#37
1,2-Dichloropropane
Concen: 2.251 ug/L
RT: 6.43 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Tgt Ion: 63 Resp: 30241

Ion	Ratio	Lower	Upper
63	100		
112	3.7	3.5	5.3



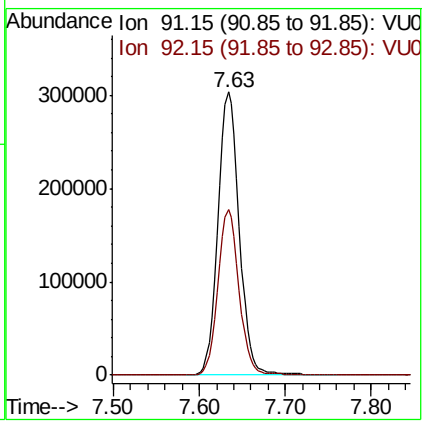


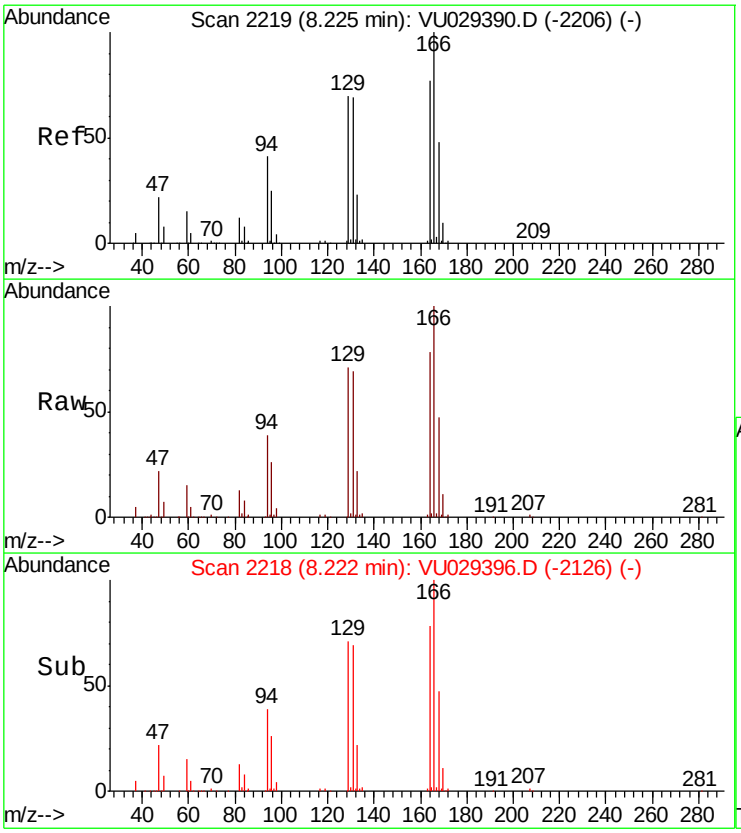
#42
Toluene
Concen: 8.636 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. 0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Instrument : MSVOA_U
ClientSampleId : X2F71

Tgt Ion: 91 Resp: 522524

Ion	Ratio	Lower	Upper
91	100		
92	58.4	39.7	73.7

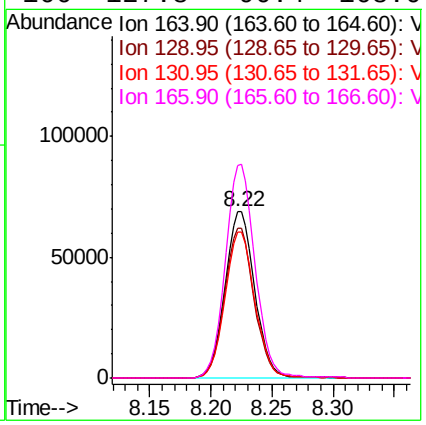


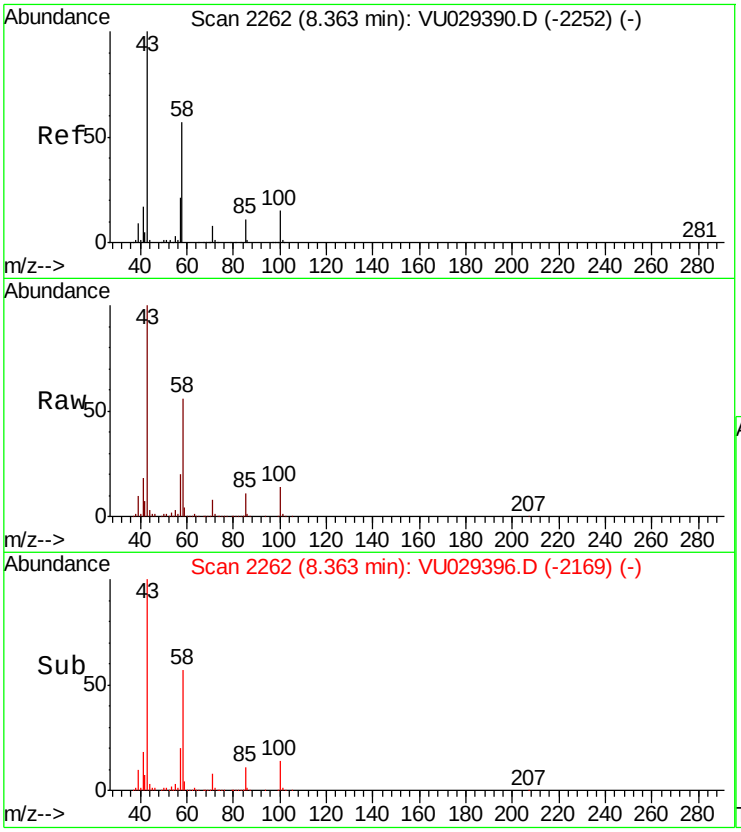


#47
Tetrachloroethene
Concen: 8.376 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Tgt Ion:164 Resp: 117695

Ion	Ratio	Lower	Upper
164	100		
129	90.1	63.4	117.8
131	88.0	62.2	115.4
166	127.8	90.4	168.0



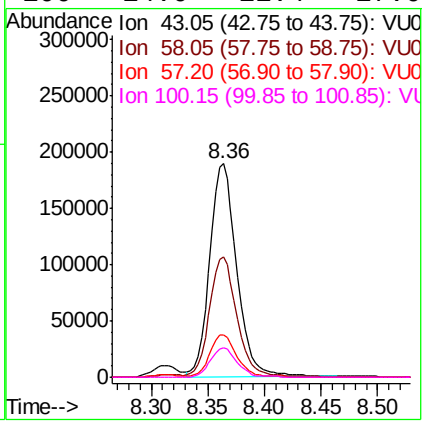


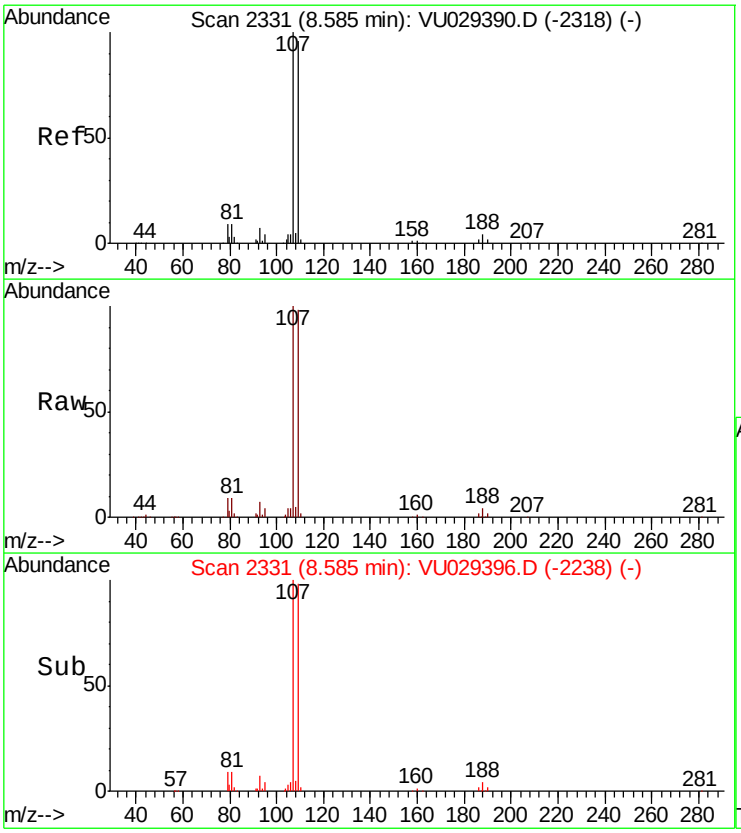
#48
2-Hexanone
Concen: 59.913 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Instrument : MSVOA_U
ClientSampleId : X2F71

Tgt Ion: 43 Resp: 314909

Ion	Ratio	Lower	Upper
43	100		
58	57.5	45.8	68.6
57	20.0	16.4	24.6
100	14.0	11.4	17.0

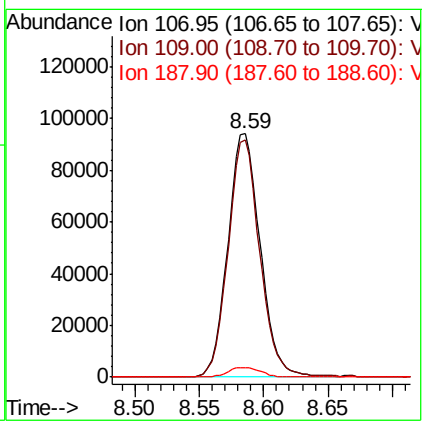


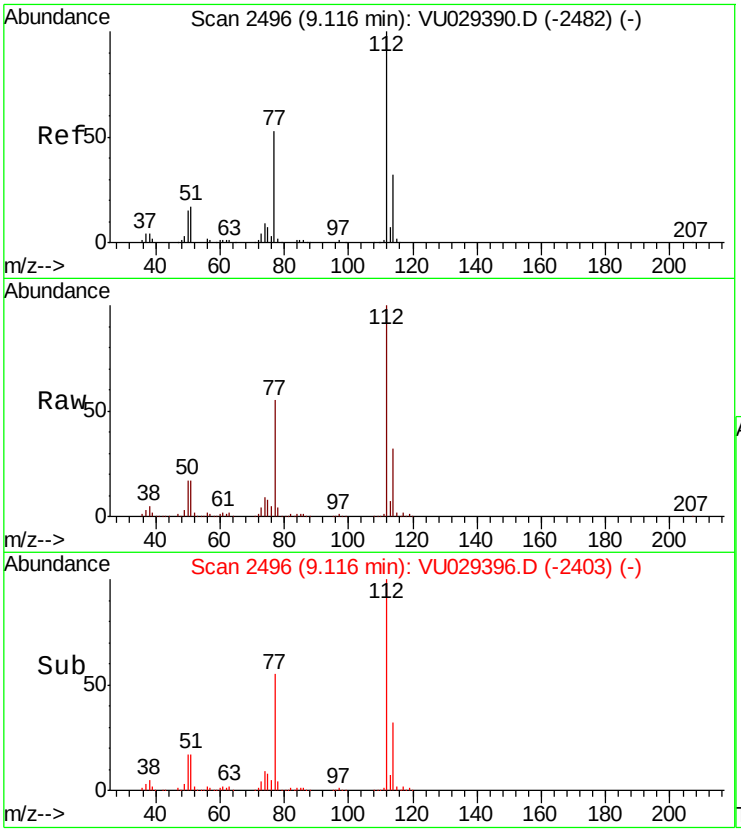


#50
1,2-Dibromoethane
Concen: 16.193 ug/L
RT: 8.59 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Tgt Ion:107 Resp: 164140

Ion	Ratio	Lower	Upper
107	100		
109	97.7	67.1	124.5
188	4.0	3.4	5.2



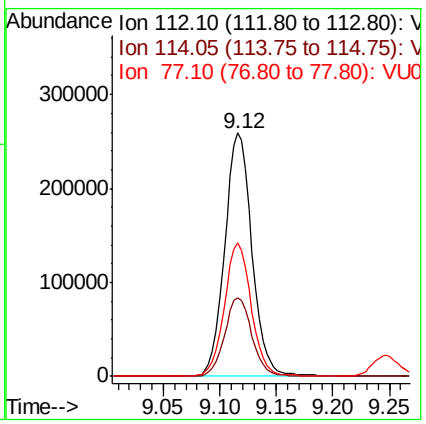


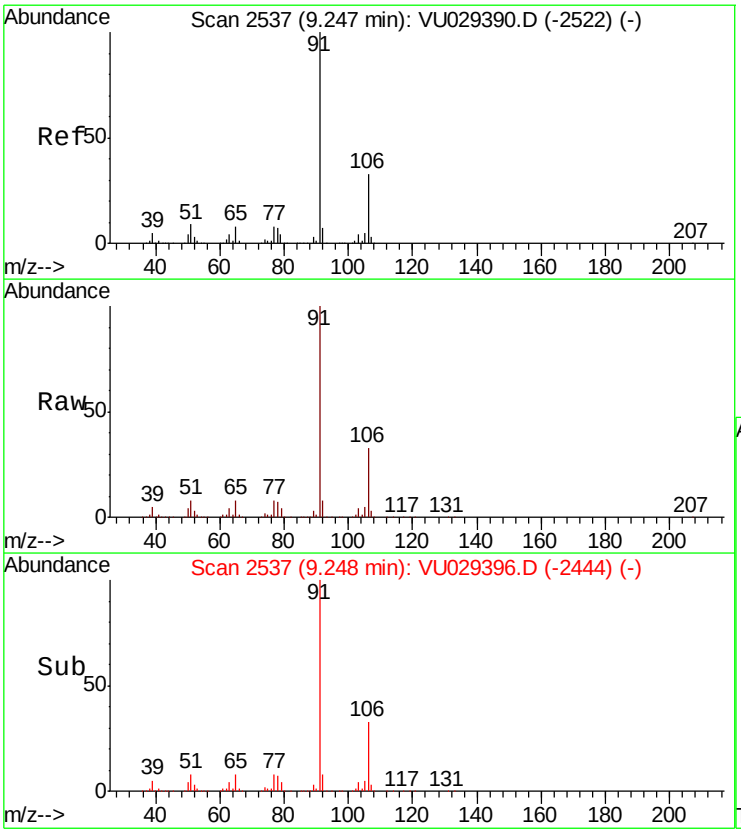
#51
Chlorobenzene
Concen: 10.378 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Instrument : MSVOA_U
ClientSampleId : X2F71

Tgt Ion:112 Resp: 433321

Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.3	41.5
77	54.7	42.6	63.8

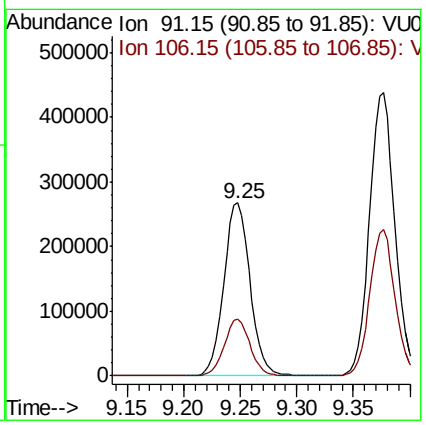


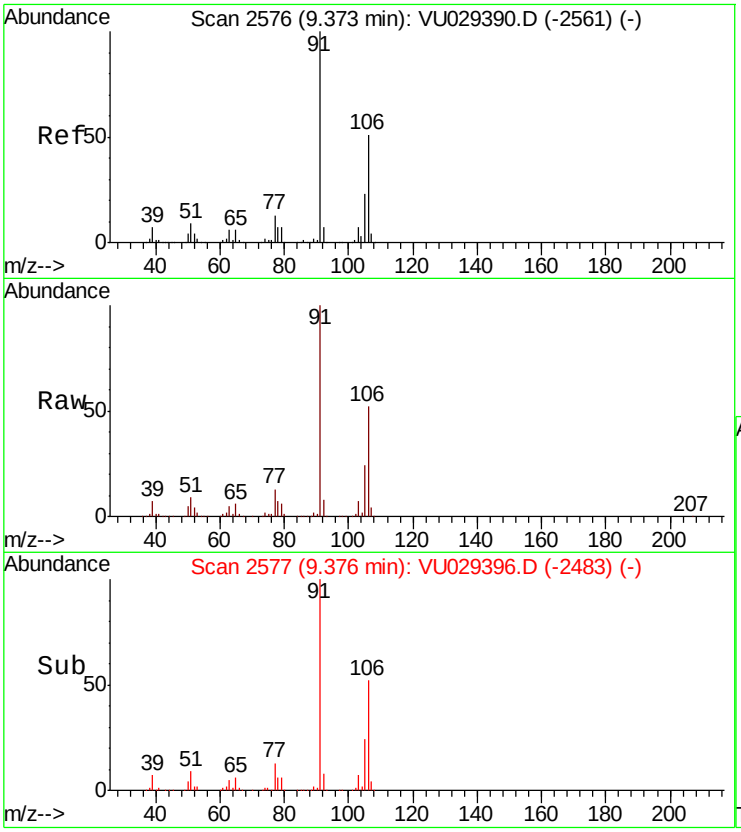


#52
Ethylbenzene
Concen: 6.299 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Tgt Ion: 91 Resp: 434359

Ion	Ratio	Lower	Upper
91	100		
106	33.2	23.0	42.8



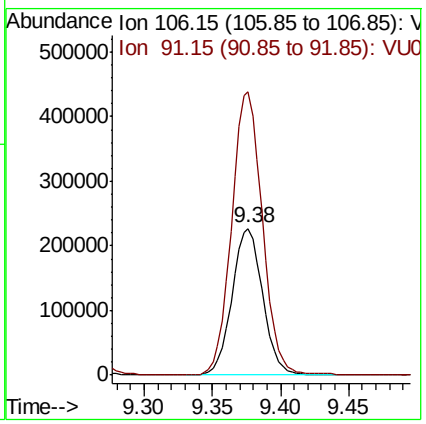


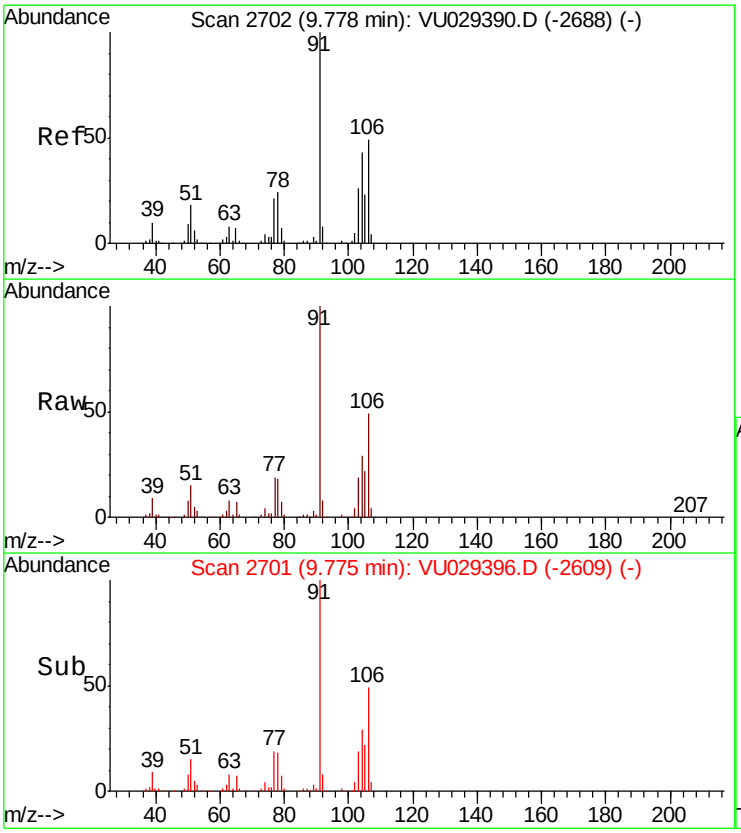
#53
m,p-xylene
Concen: 12.801 ug/L
RT: 9.38 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Instrument :
MSVOA_U
ClientSampleId :
X2F71

Tgt Ion:106 Resp: 352684

Ion	Ratio	Lower	Upper
106	100		
91	193.3	138.4	257.0

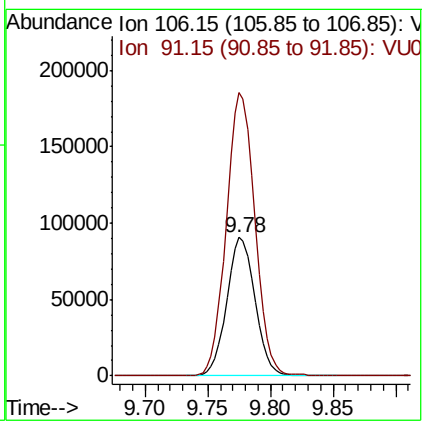


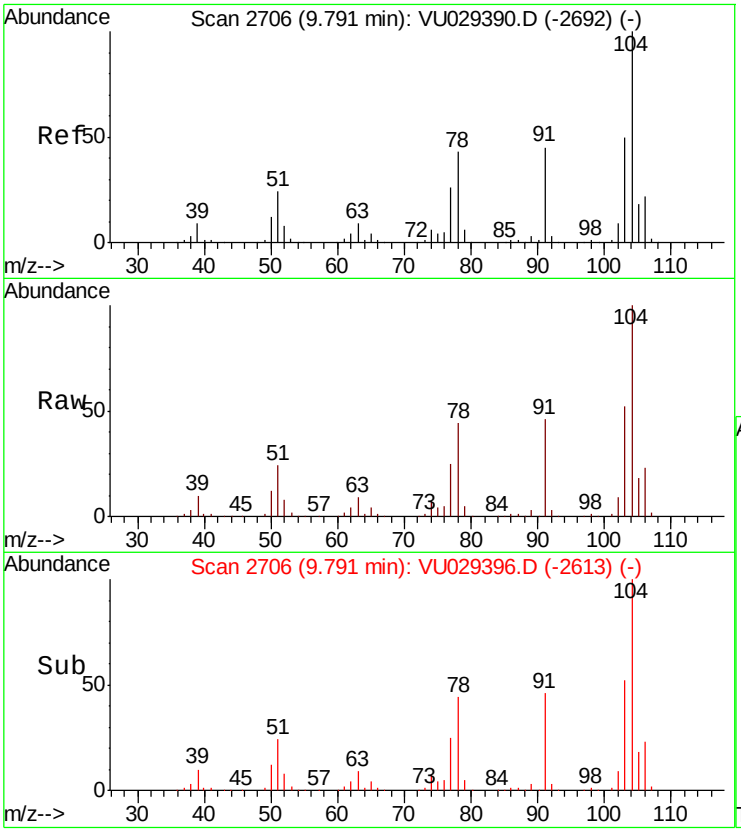


#54
o-xylene
Concen: 5.310 ug/L
RT: 9.78 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Tgt Ion:106 Resp: 142056

Ion	Ratio	Lower	Upper
106	100		
91	204.3	142.4	264.4



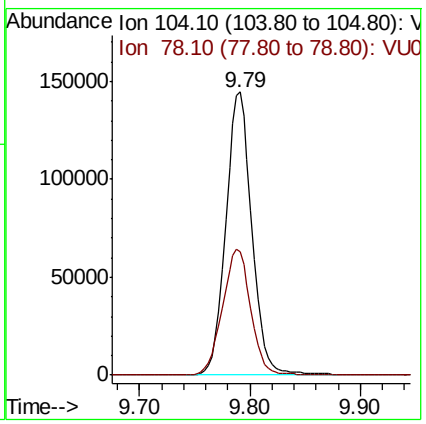


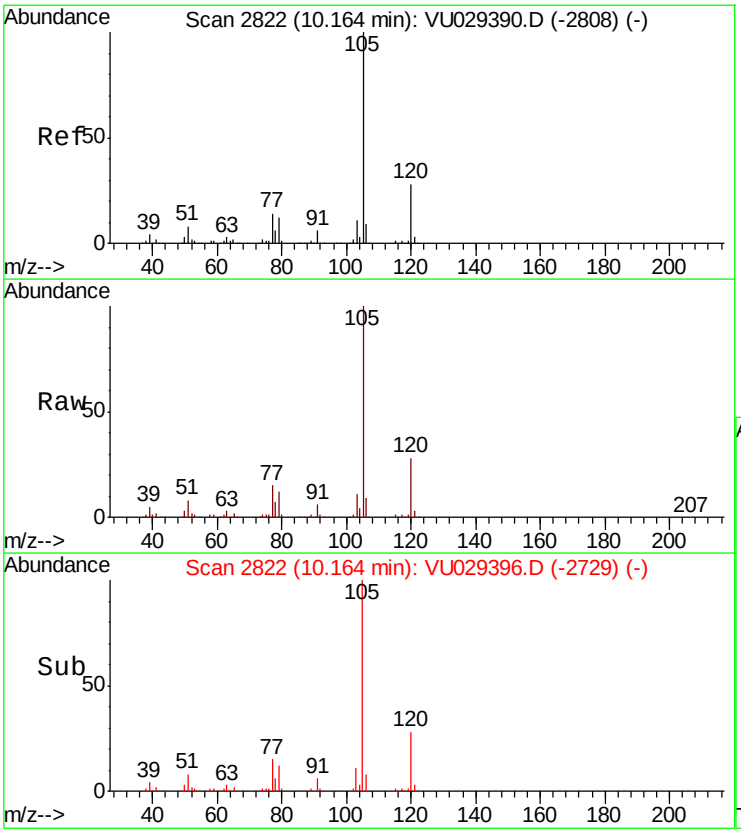
#55
Stvrene
Concen: 5.312 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Instrument :
MSVOA_U
ClientSampleId :
X2F71

Tgt Ion:104 Resp: 236643

Ion	Ratio	Lower	Upper
104	100		
78	43.6	30.5	56.7

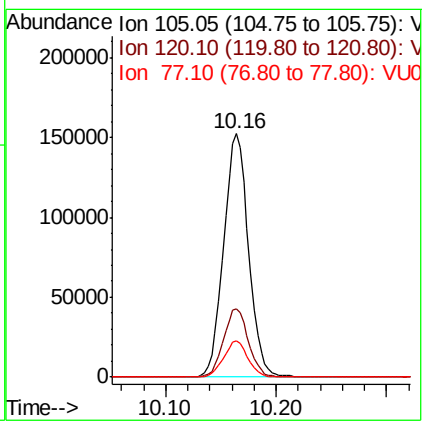


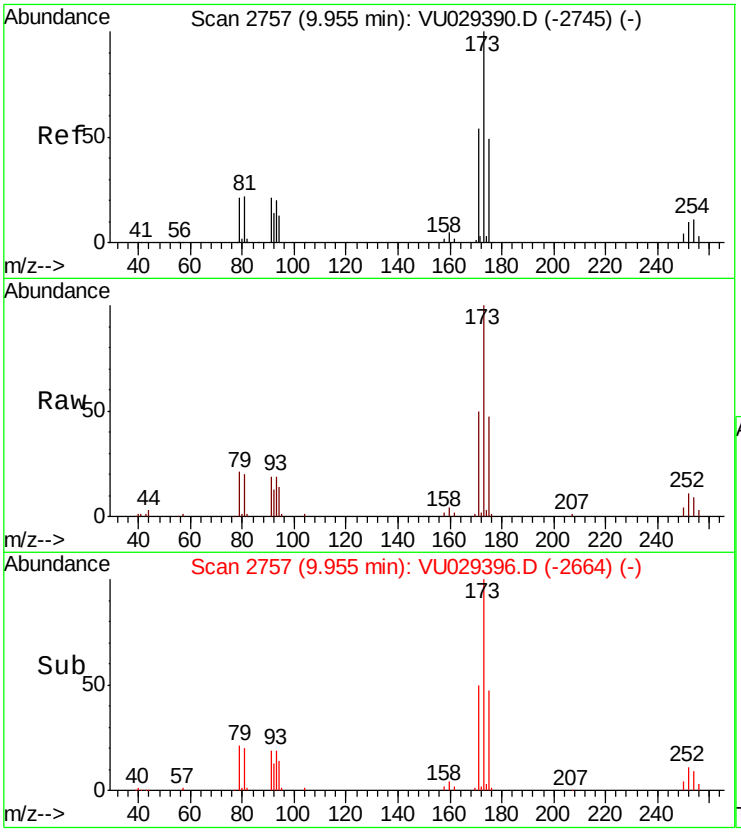


#56
Isopropylbenzene
Concen: 3.351 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Tgt Ion:105 Resp: 238258

Ion	Ratio	Lower	Upper
105	100		
120	28.2	22.2	33.4
77	14.7	11.7	17.5



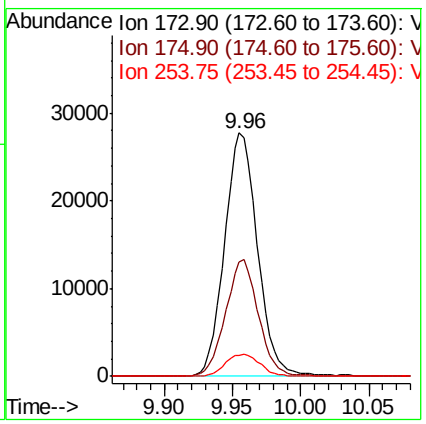


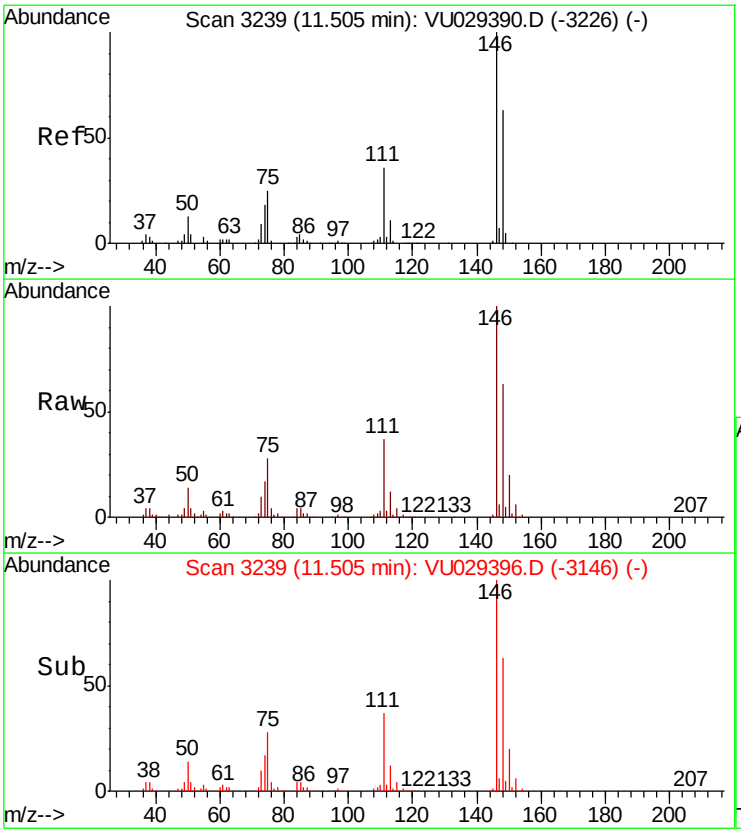
#61
Bromoform
Concen: 5.100 ug/L
RT: 9.96 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Instrument : MSVOA_U
ClientSampleId : X2F71

Tgt Ion:173 Resp: 46531

Ion	Ratio	Lower	Upper
173	100		
175	47.6	38.9	58.3
254	9.6	8.4	12.6

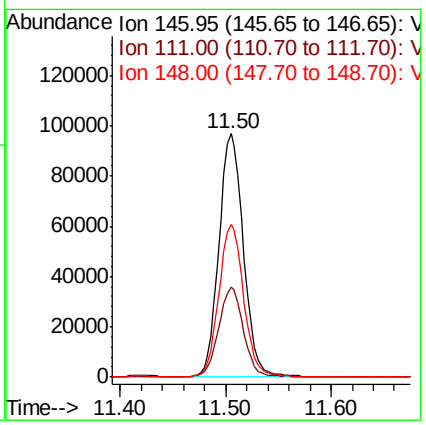


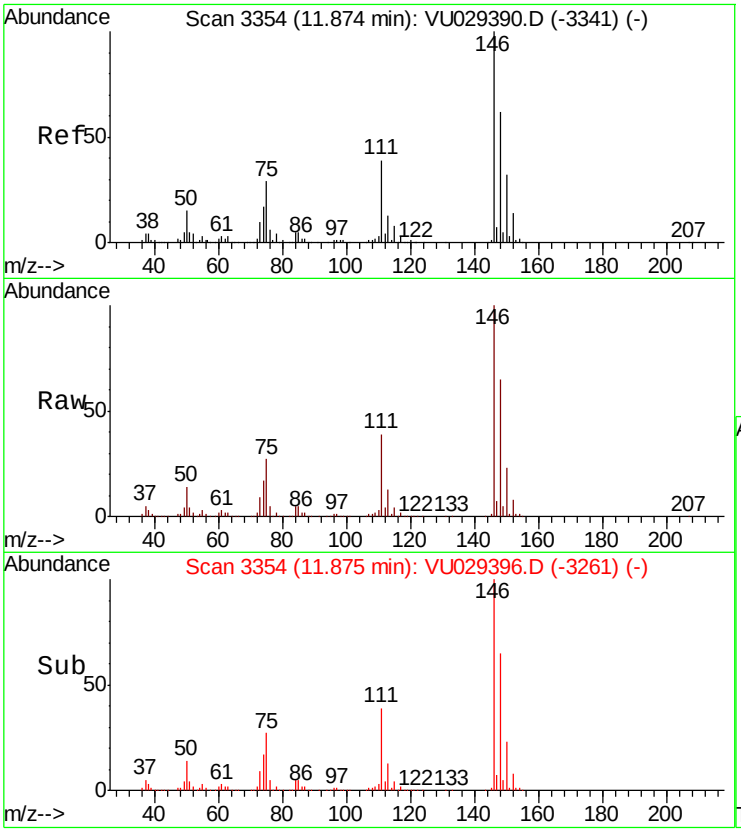


#63
1,4-Dichlorobenzene
Concen: 4.256 ug/L
RT: 11.50 min Scan# 3239
Delta R.T. 0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Tgt Ion:146 Resp: 155761

Ion	Ratio	Lower	Upper
146	100		
111	36.9	25.1	46.5
148	62.8	44.0	81.8



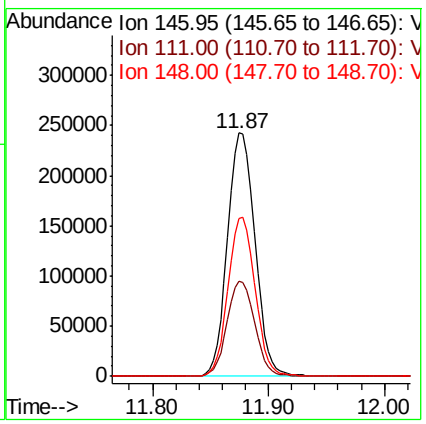


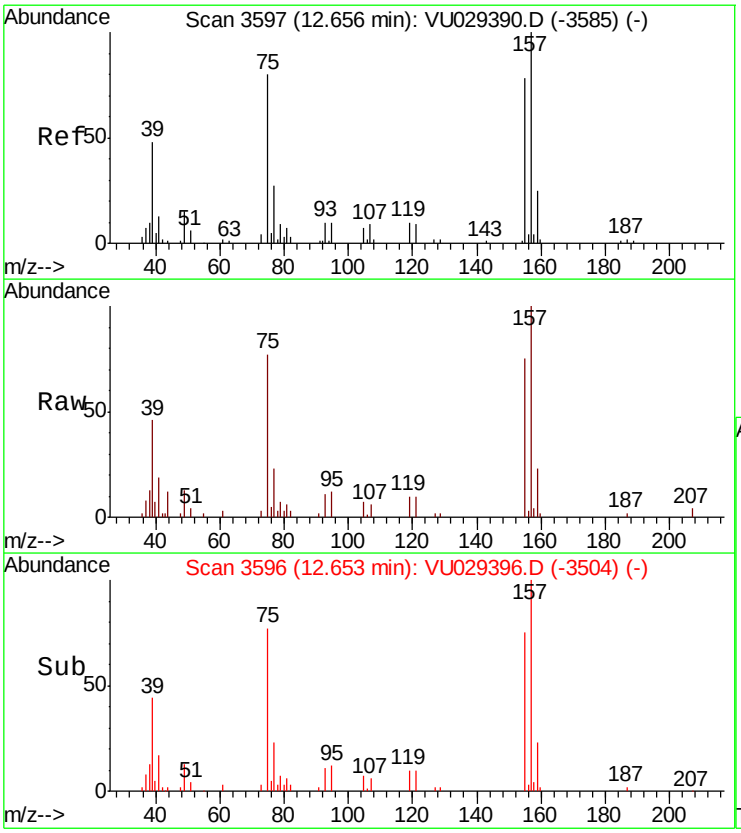
#65
1,2-Dichlorobenzene
Concen: 11.843 ug/L
RT: 11.87 min Scan# 3354
Delta R.T. 0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Instrument :
MSVOA_U
ClientSampleId :
X2F71

Tgt Ion:146 Resp: 399510

Ion	Ratio	Lower	Upper
146	100		
111	39.0	31.0	46.6
148	64.8	49.4	74.2

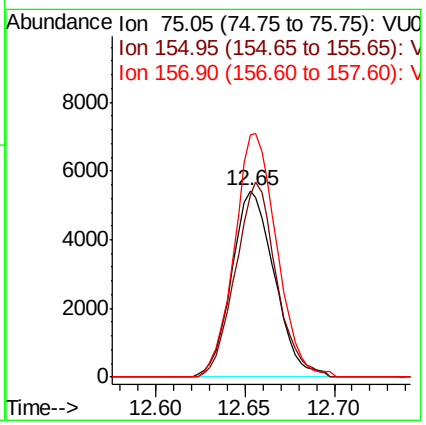


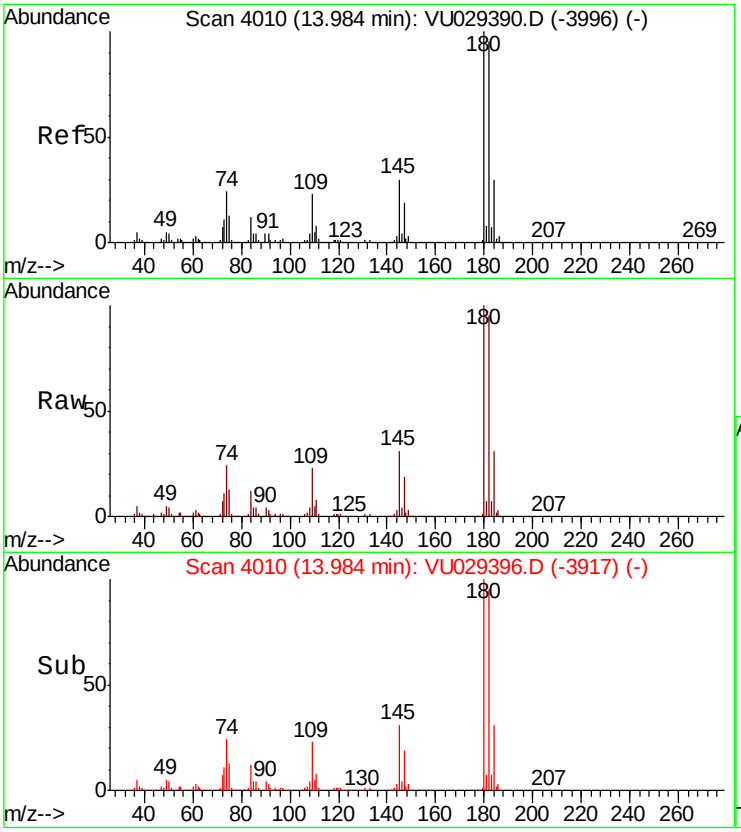


#66
1,2-Dibromo-3-chloropropane
Concen: 4.018 ug/L
RT: 12.65 min Scan# 3596
Delta R.T. -0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Tgt Ion: 75 Resp: 9100

Ion	Ratio	Lower	Upper
75	100		
155	97.6	78.4	117.6
157	130.1	100.2	150.4





#70
1,2,3-Trichlorobenzene
Concen: 10.938 ug/L
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Instrument :
MSVOA_U
ClientSampleId :
X2F71

Tgt Ion:180 Resp: 256852

Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.2	112.8
145	30.3	23.7	35.5