Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU043018\

Quantitation Report (Not Reviewed)

Data File : VU023539.D
Acq On : 30 Apr 2018 20:57
Operator : MD/SY
Sample : J2241-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : 1221

Quant Time: May 01 05:11:14 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\524U043018DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue May 01 05:06:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.74	96	47182	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	15184	0.99	ug/l		0.00
Spiked Amount 1.000			Recovery = 99.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	16111	1.08	ug/l		0.00
Spiked Amount 1.000			Recovery = 108.00%				
Target Compounds							Qvalue
13) Acetone	2.35	43	884	0.45	ug/l		93
18) 2-Butanone	4.30	43	1097	0.35	ug/l		78
24) tert-Butyl Alcohol	2.84	59	1086	1.64	ug/l	#	93
35) Benzene	5.39	78	702769	13.26	ug/l		100
36) 1,2-Dichloroethane	5.39	62	5809	0.39	ug/l	#	75
45) 4-Methyl-2-Pentanone	7.64	43	1743	0.24	ug/l	#	23
46) t-1,4-Dichloro-2-butene	10.46	75	16998	7.78	ug/l	#	11
49) Toluene	7.64	92	121499	3.97	ug/l		98
59) Chlorobenzene	9.12	112	566824	17.29	ug/l		100
61) Pentachloroethane	11.10	117	26241	3.32	ug/l	#	6
62) Hexachloroethane	12.15	117	2566	0.34	ug/l		87
63) Ethyl Benzene	9.25	91	174752	3.21	ug/l		99
64) m/p-Xylenes	9.38	106	327960	15.61	ug/l		99
65) o-Xylene	9.78	106	125883	6.22	ug/l		100
66) Styrene	9.80	104	576899	17.29	ug/l		94
71) 1,2,3-Trichloropropane	10.46	75	16998	2.37	ug/l	#	44
72) Bromobenzene	10.46	156	139150	10.73	ug/l		96
73) n-propylbenzene	10.59	120	323495	22.46	ug/l		98
74) 2-Chlorotoluene	10.66	126	108267	8.50	ug/l		93
75) 1,3,5-Trimethylbenzene	10.59	105	51657	1.18	ug/l	#	1
76) 4-Chlorotoluene	10.78	126	216319	16.39	ug/l		83
77) tert-Butylbenzene	11.10	119	572631	13.92	ug/l		93
78) 1,2,4-Trimethylbenzene	11.15	105	550245	12.41	ug/l		100
79) sec-Butylbenzene	11.33	105	769452	13.36	ug/l		100
82) 1,3-Dichlorobenzene	11.42	146	179652	6.94	ug/l		100
83) 1,4-Dichlorobenzene	11.51	146	531108	20.54	ug/l		99
84) n-Butylbenzene	11.89	91	915277	19.81	ug/l		100
85) 1,2-Dichlorobenzene	11.88	146	143046	6.12	ug/l		99
87) 1,2,4-Trichlorobenzene	13.51	180	333001	19.69	ug/l		99
88) Hexachlorobutadiene	13.70	225	456421	44.52	ug/l		99
89) Naphthalene	13.75	128	869959	34.16	ug/l		100
90) 1,2,3-Trichlorobenzene	13.99	180	505685	31.86	ug/l		99

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

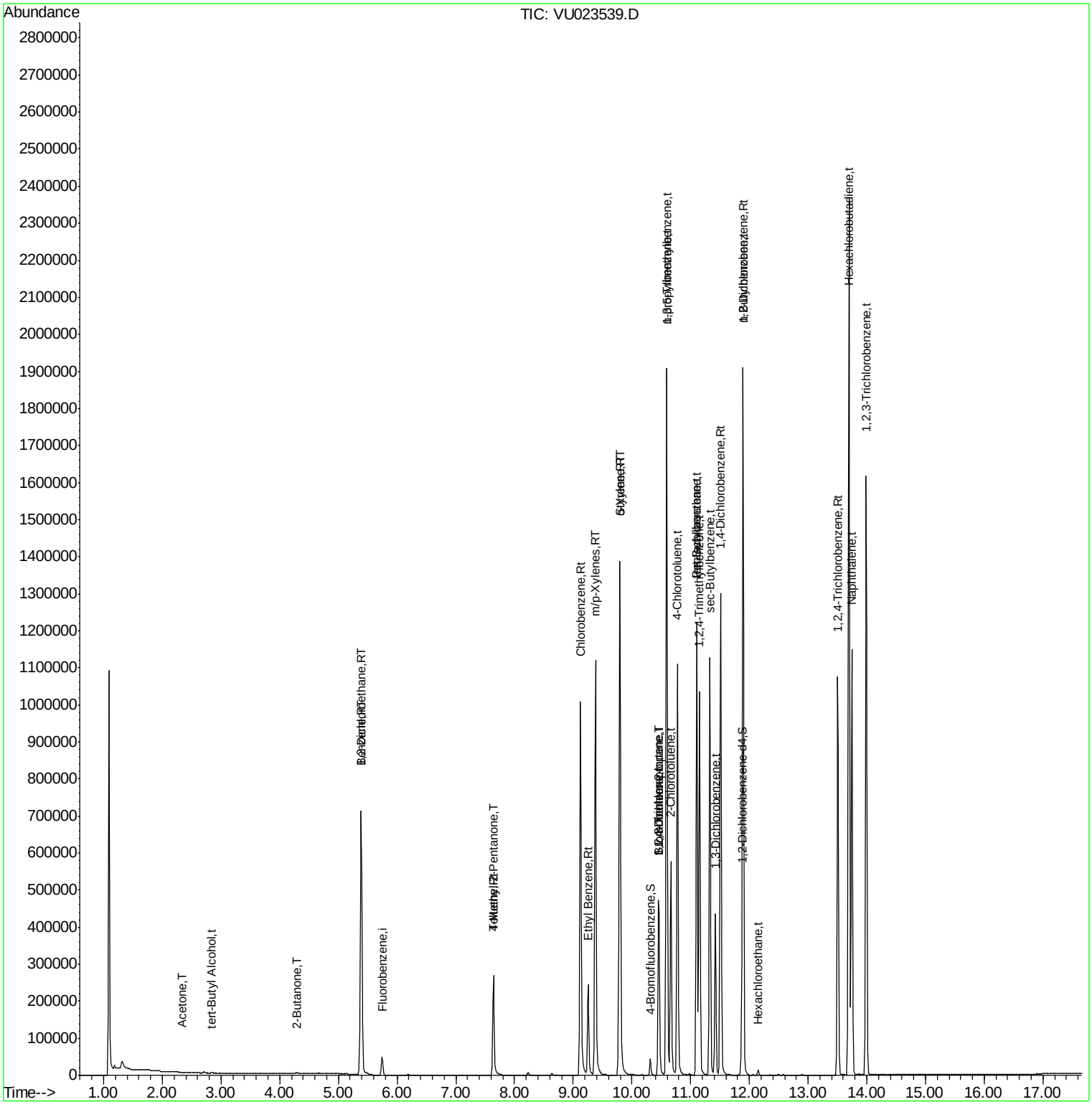
Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU043018\

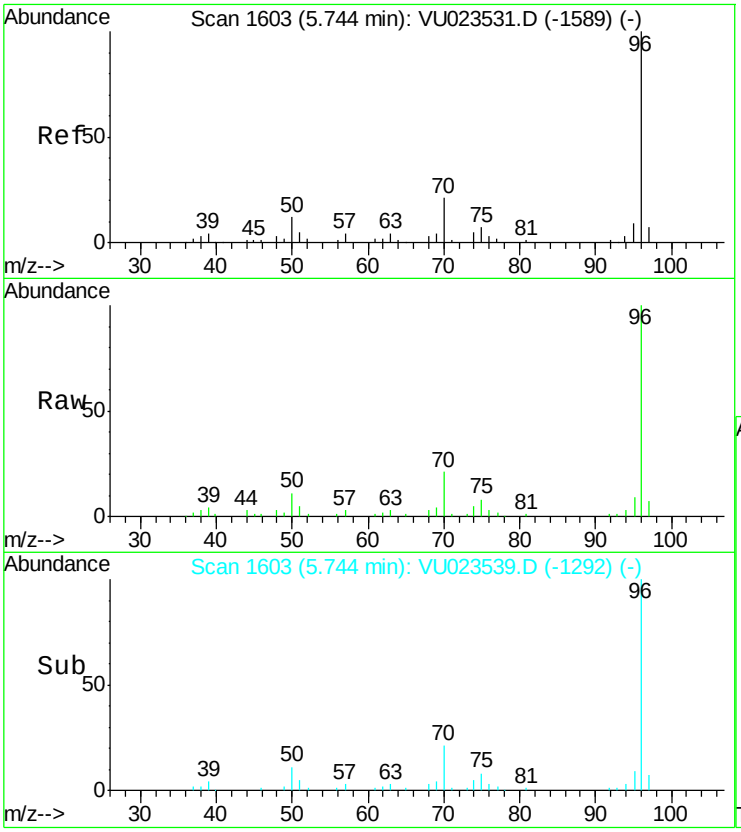
Quantitation Report (Not Reviewed)

Data File : VU023539.D
Acq On : 30 Apr 2018 20:57
Operator : MD/SY
Sample : J2241-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : 1221

Quant Time: May 01 05:11:14 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\524U043018DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue May 01 05:06:52 2018
Response via : Initial Calibration



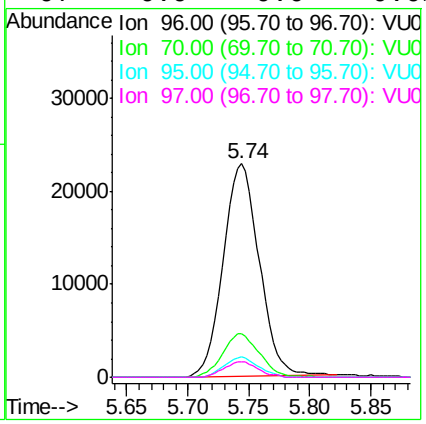


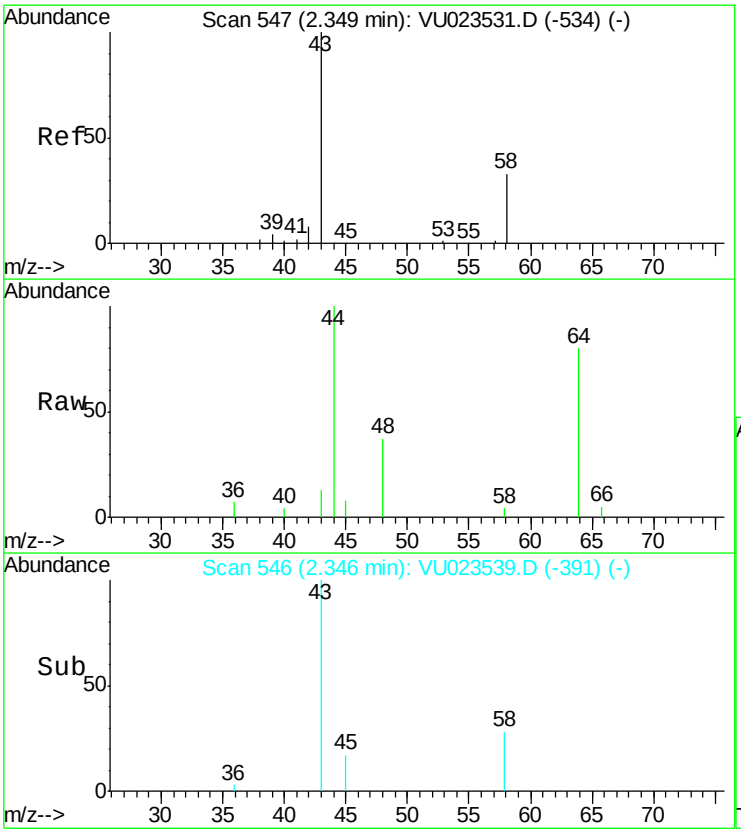
#1
Fluorobenzene
Concen: 1.00 ug/l
RT: 5.74 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
1221

Tgt Ion: 96 Resp: 47182

Ion	Ratio	Lower	Upper
96	100		
70	21.0	16.2	24.4
95	8.7	6.9	10.3
97	6.9	0.0	0.0#

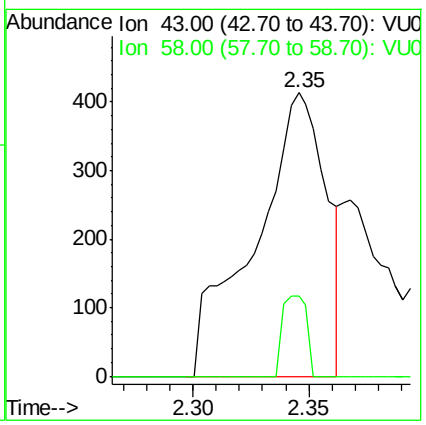


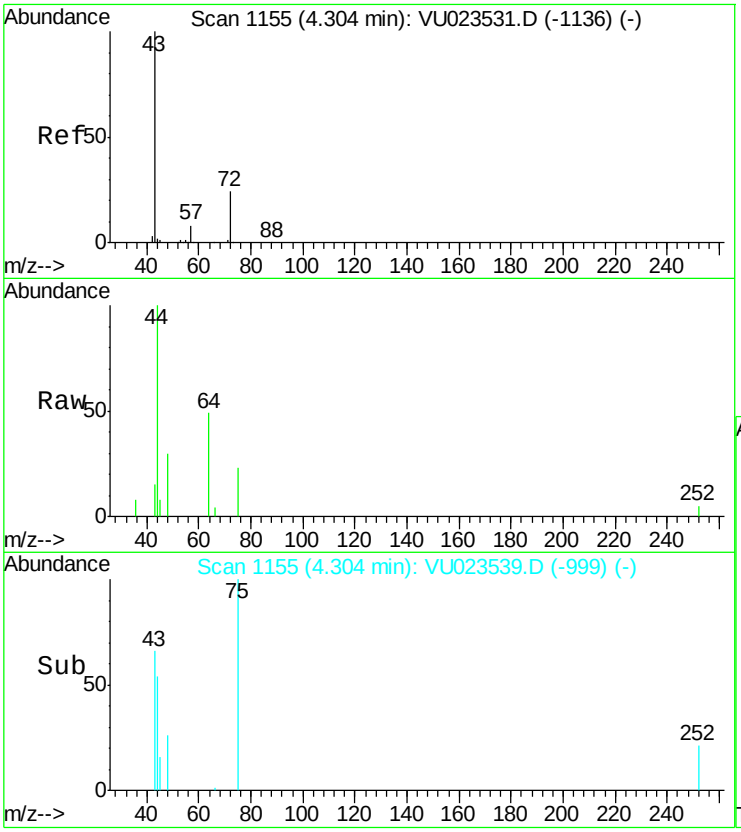


#13
Acetone
Concen: 0.45 ug/l
RT: 2.35 min Scan# 546
Delta R.T. -0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Tgt Ion: 43 Resp: 884

Ion	Ratio	Lower	Upper
43	100		
58	28.3	26.0	39.0



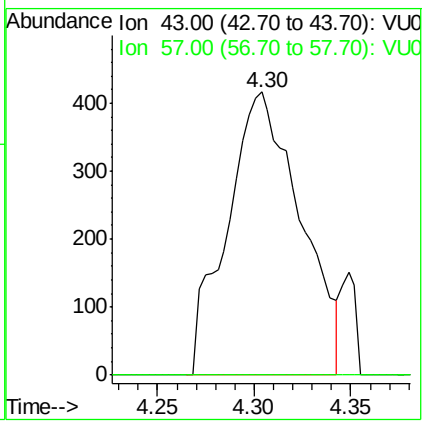


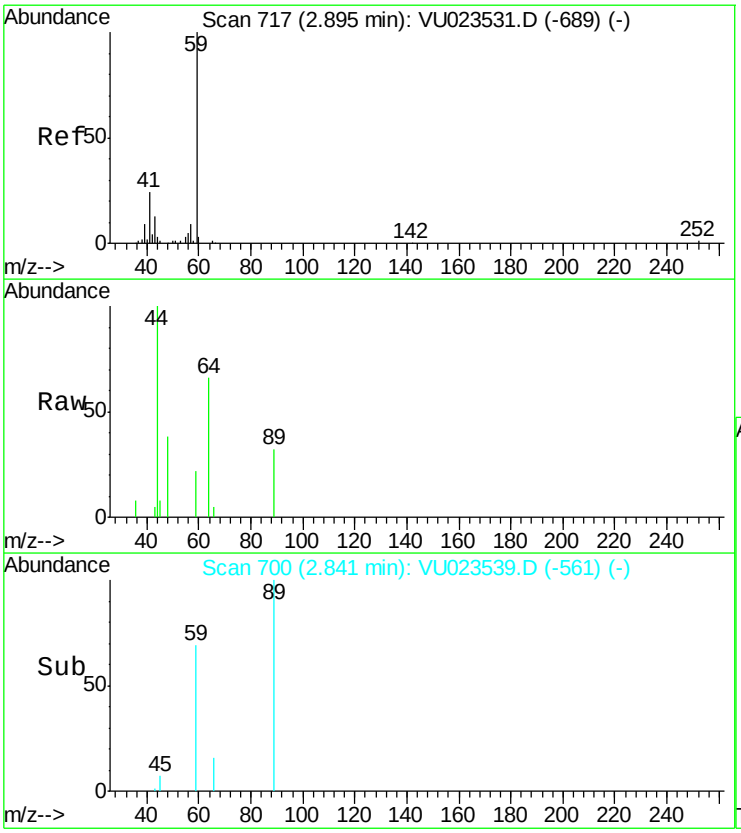
#18
2-Butanone
Concen: 0.35 ug/l
RT: 4.30 min Scan# 1155
Delta R.T. 0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
1221

Tgt Ion: 43 Resp: 1097

Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	15.8

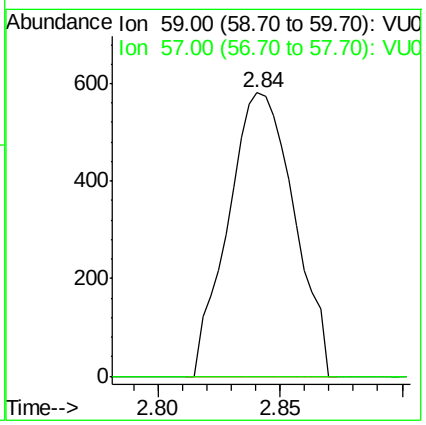


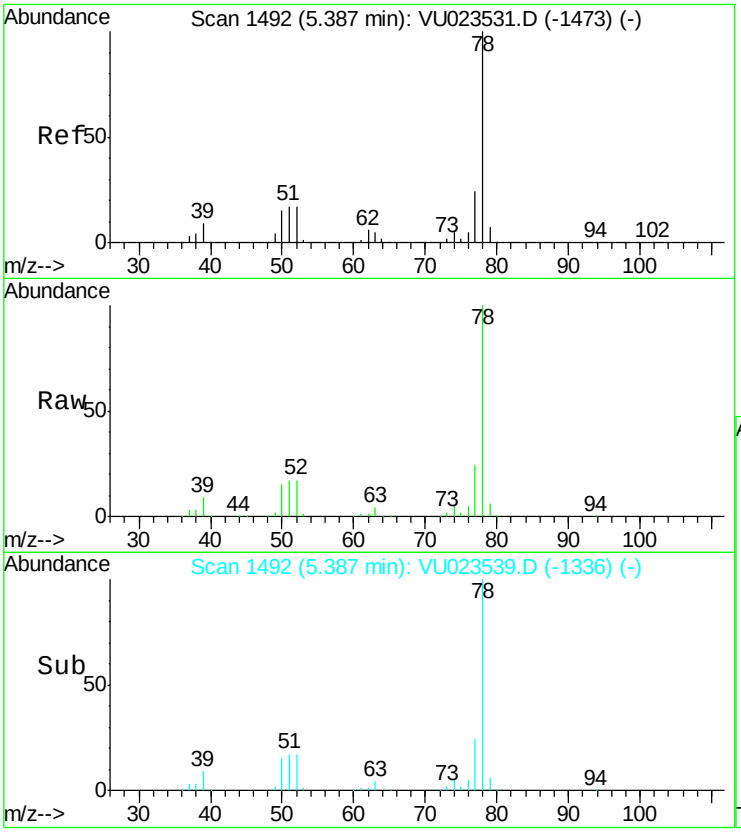


#24
tert-Butyl Alcohol
Concen: 1.64 ug/l
RT: 2.84 min Scan# 700
Delta R.T. -0.05 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Tgt Ion: 59 Resp: 1086

Ion	Ratio	Lower	Upper
59	100		
57	1.9	3.4	5.2#



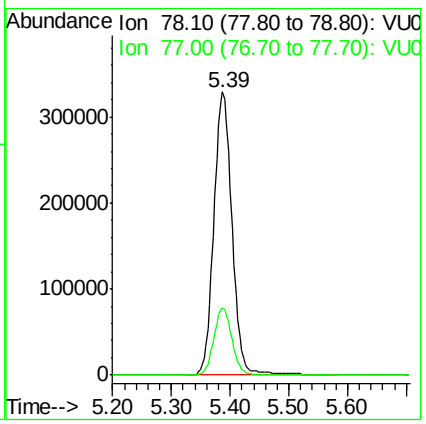


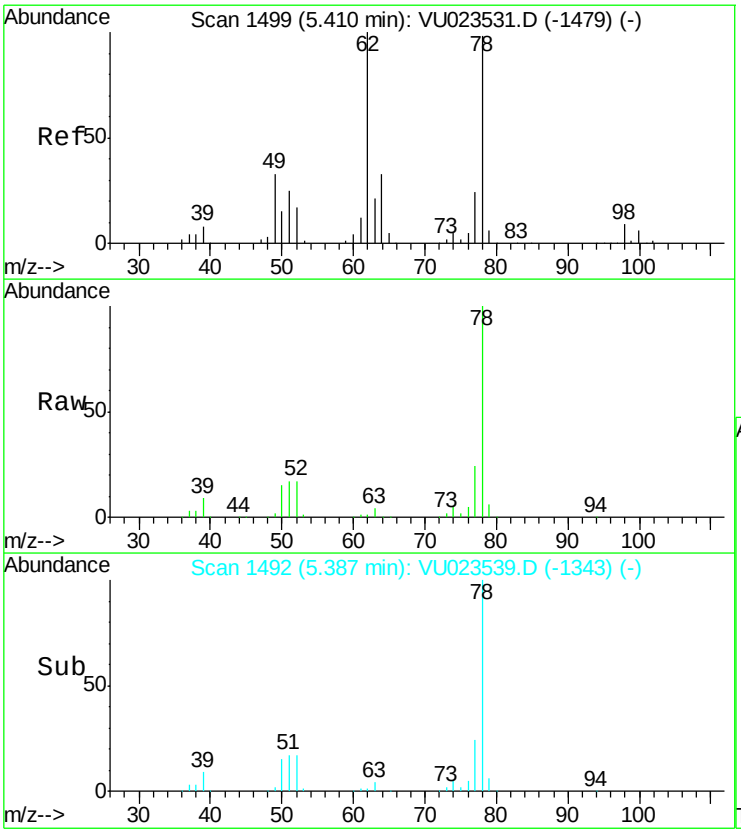
#35
Benzene
Concen: 13.26 ug/l
RT: 5.39 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
1221

Tgt Ion: 78 Resp: 702769

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7

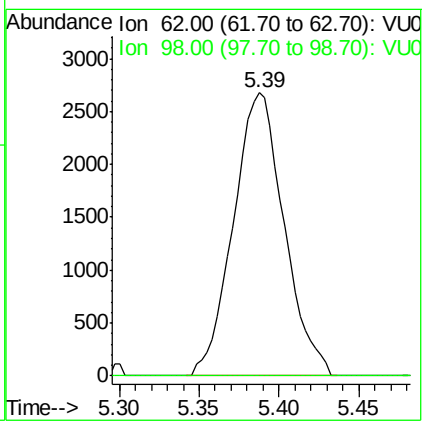


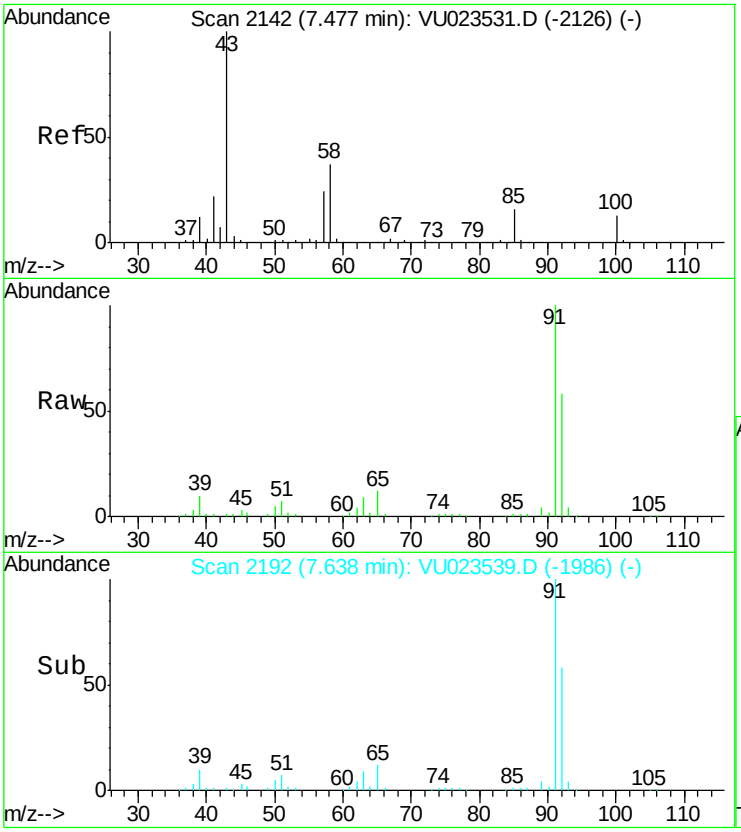


#36
1,2-Dichloroethane
Concen: 0.39 ug/l
RT: 5.39 min Scan# 1492
Delta R.T. -0.02 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Tgt Ion: 62 Resp: 5809

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.2	10.8#



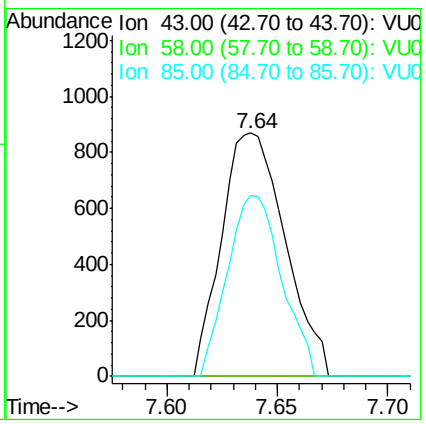


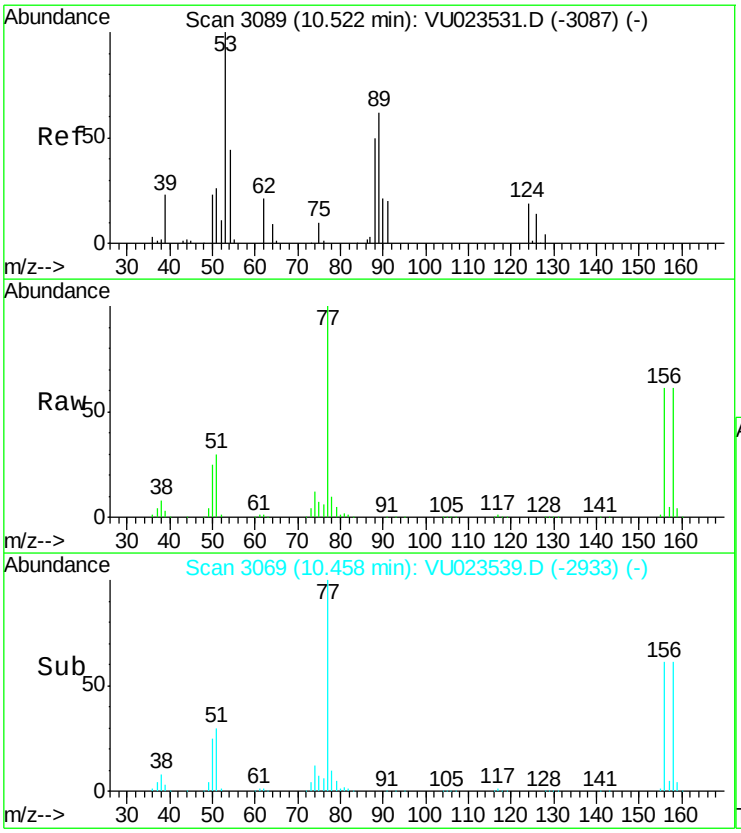
#45
4-Methyl-2-Pentanone
Concen: 0.24 ug/l
RT: 7.64 min Scan# 2192
Delta R.T. 0.16 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
1221

Tgt Ion: 43 Resp: 1743

Ion	Ratio	Lower	Upper
43	100		
58	0.0	18.8	56.4#
85	63.1	12.6	19.0#

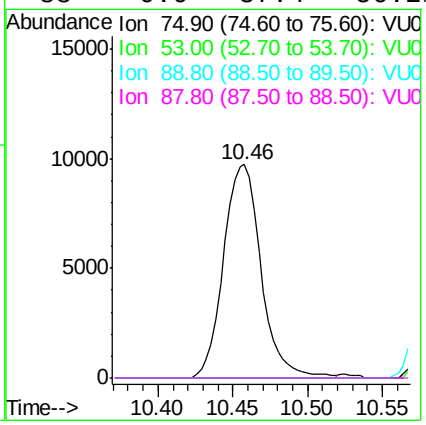


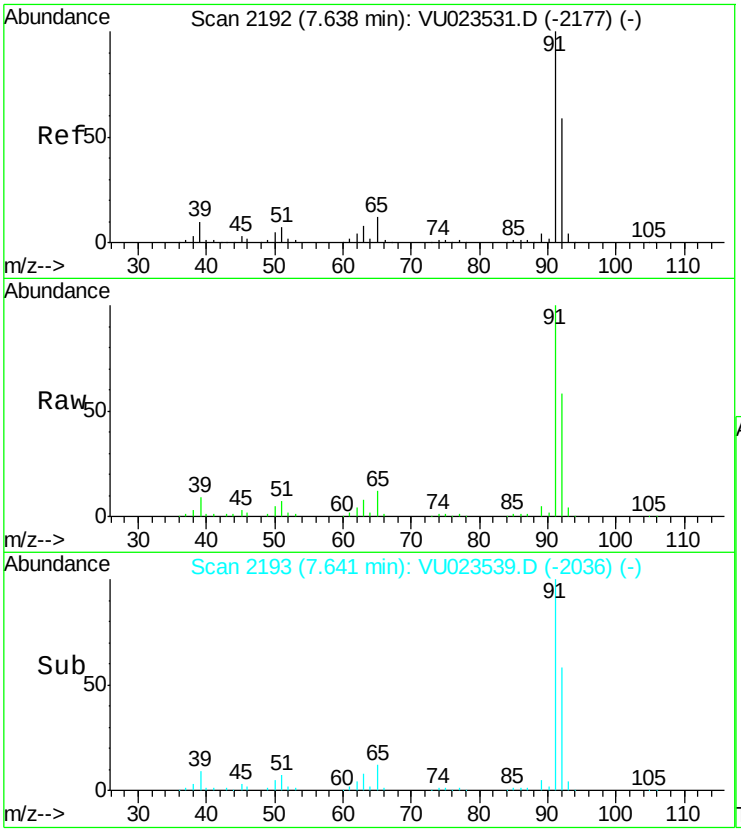


#46
t-1,4-Dichloro-2-butene
Concen: 7.78 ug/l
RT: 10.46 min Scan# 3069
Delta R.T. -0.06 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Tgt Ion: 75 Resp: 16998

Ion	Ratio	Lower	Upper
75	100		
53	0.0	82.2	123.4#
89	0.0	51.3	76.9#
88	0.0	37.4	56.2#



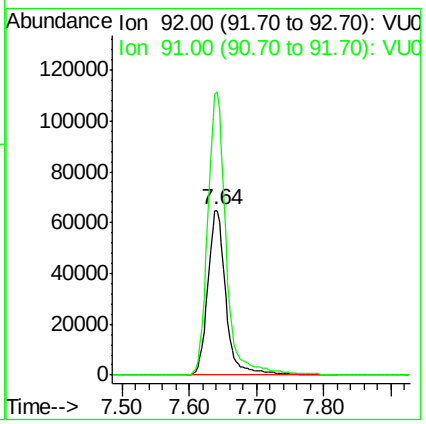


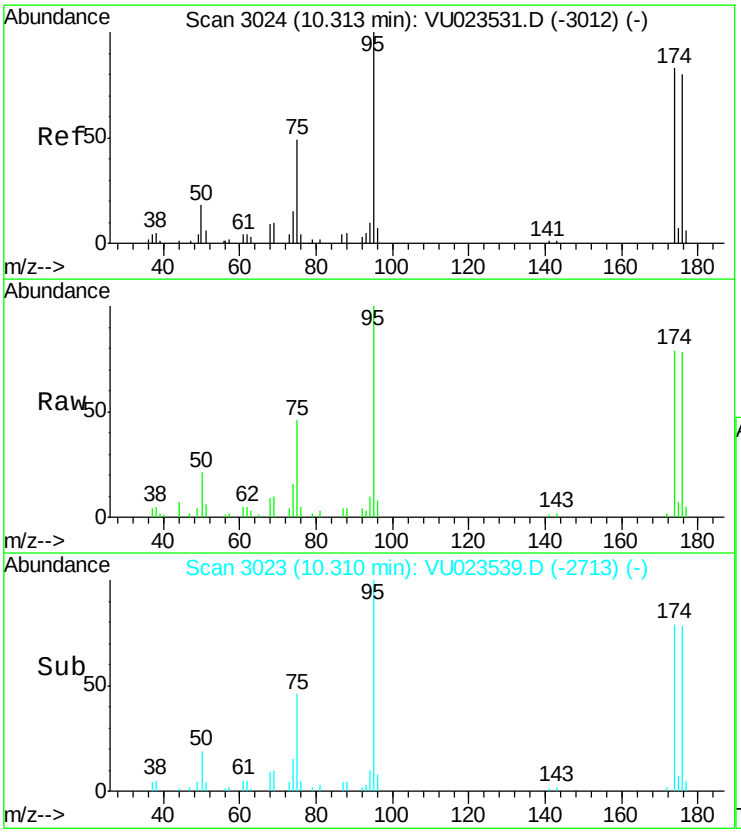
#49
Toluene
Concen: 3.97 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Instrument : MSVOA_U
ClientSampleId : 1221

Tgt Ion: 92 Resp: 121499

Ion	Ratio	Lower	Upper
92	100		
91	173.6	137.1	205.7

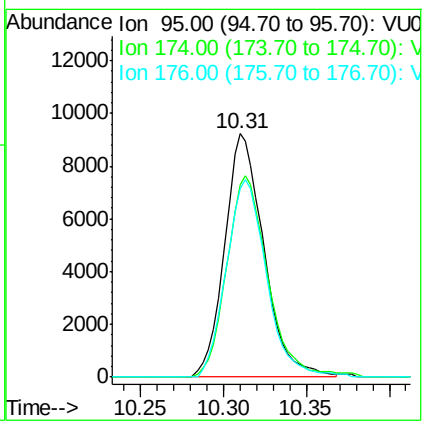


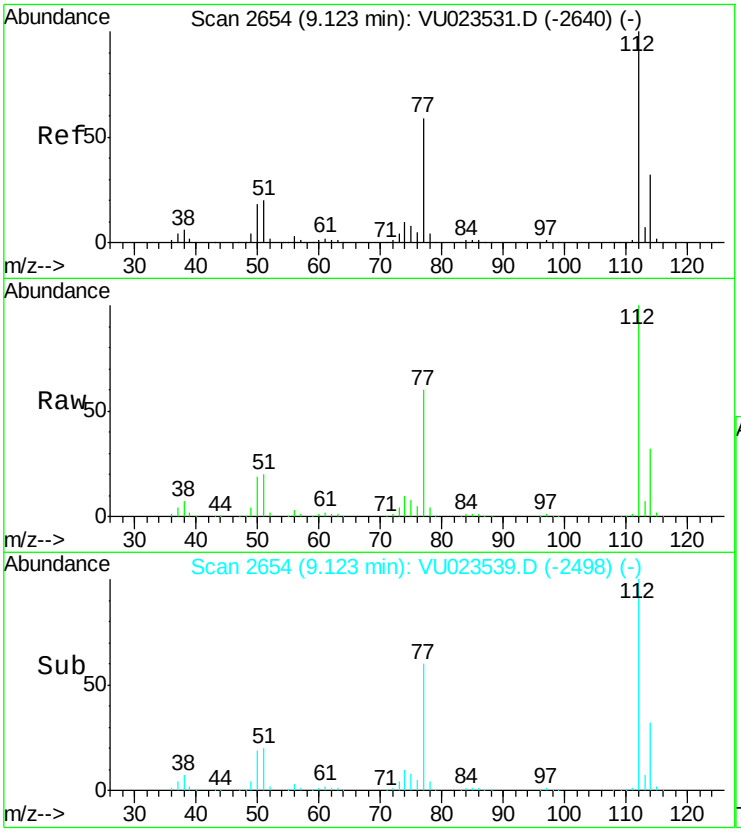


#57
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Tgt Ion: 95 Resp: 15184

Ion	Ratio	Lower	Upper
95	100		
174	86.5	65.6	98.4
176	83.2	62.0	93.0



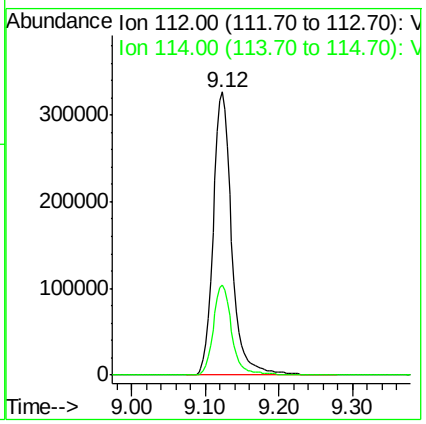


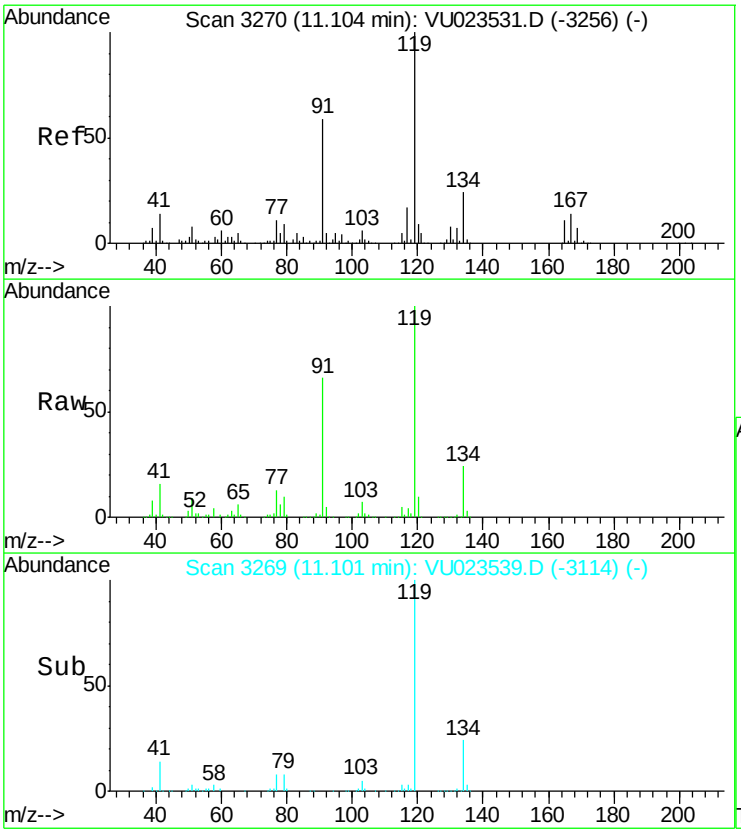
#59
Chlorobenzene
Concen: 17.29 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
1221

Tgt Ion:112 Resp: 566824

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.4	38.2

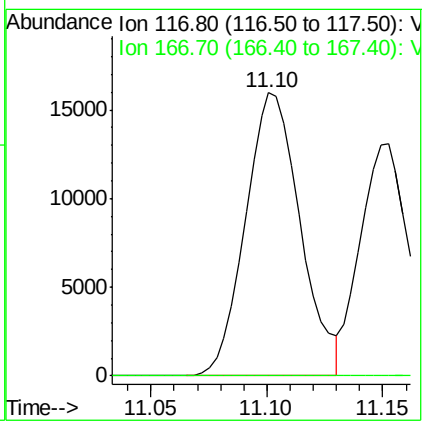


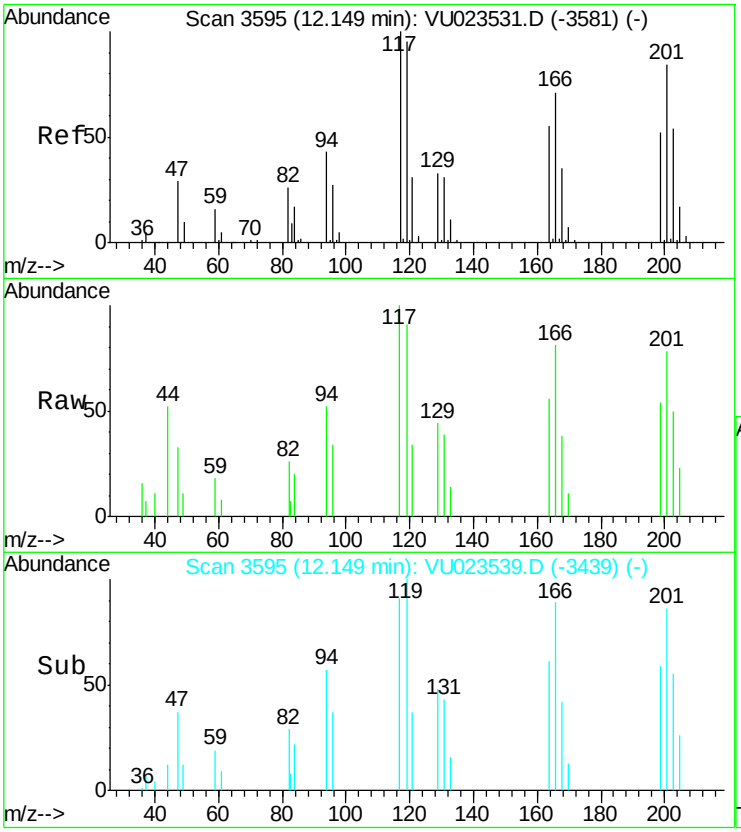


#61
Pentachloroethane
Concen: 3.32 ug/l
RT: 11.10 min Scan# 3269
Delta R.T. -0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Tgt Ion:117 Resp: 26241

Ion	Ratio	Lower	Upper
117	100		
167	0.0	69.2	103.8#



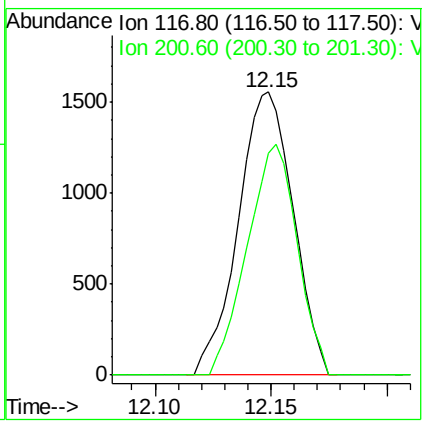


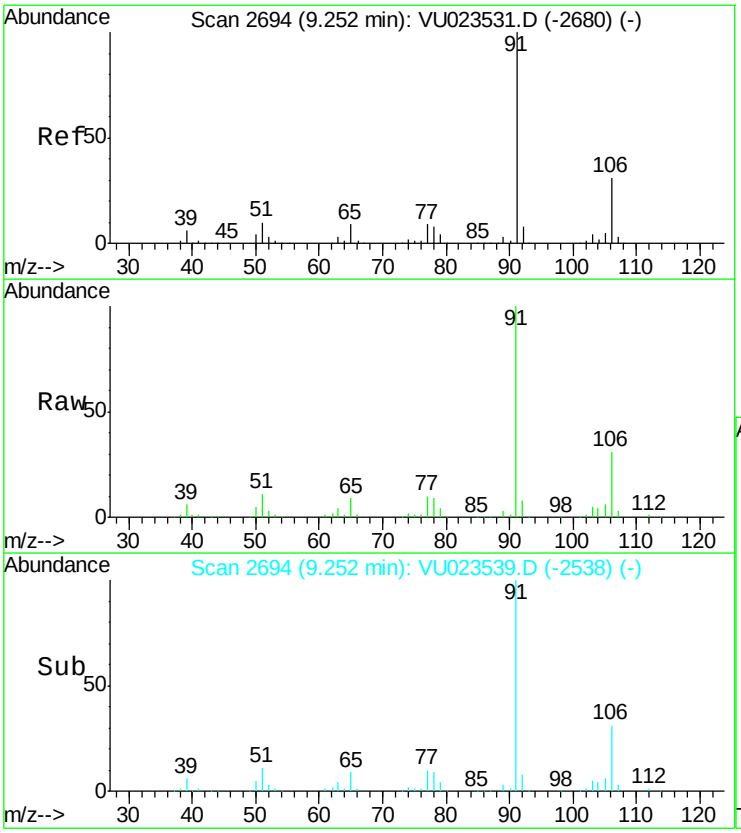
#62
Hexachloroethane
Concen: 0.34 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
1221

Tgt Ion:117 Resp: 2566

Ion	Ratio	Lower	Upper
117	100		
201	74.1	68.7	103.1

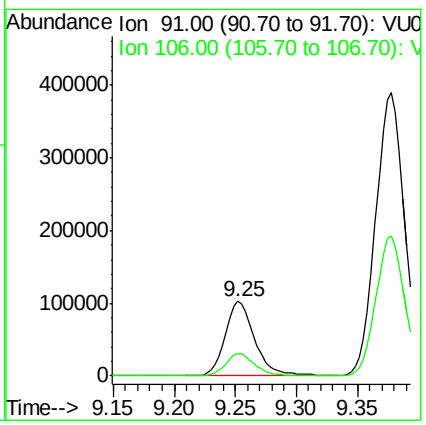


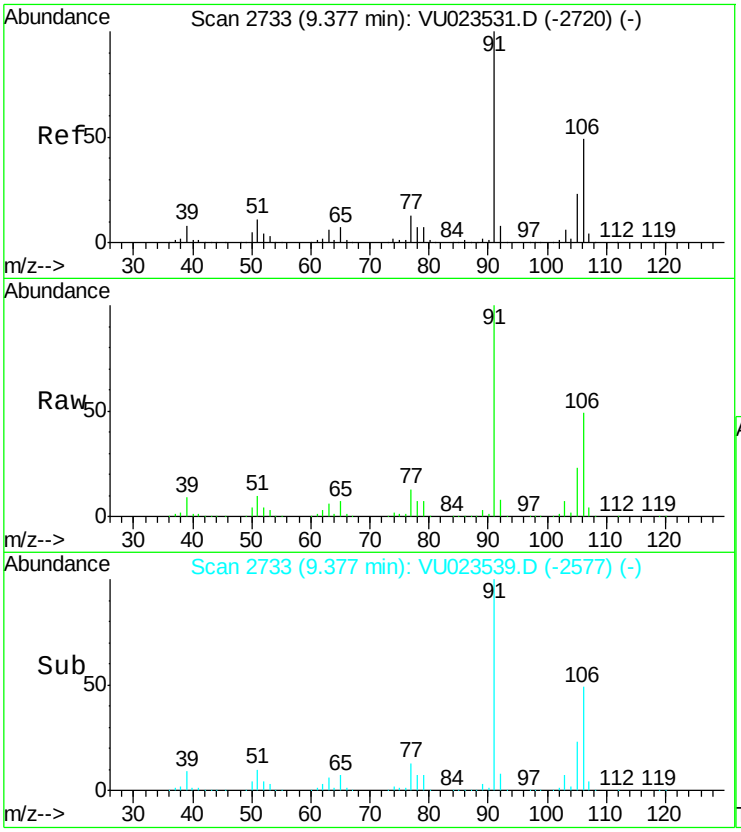


#63
Ethyl Benzene
Concen: 3.21 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Tgt Ion: 91 Resp: 174752

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.7	37.1



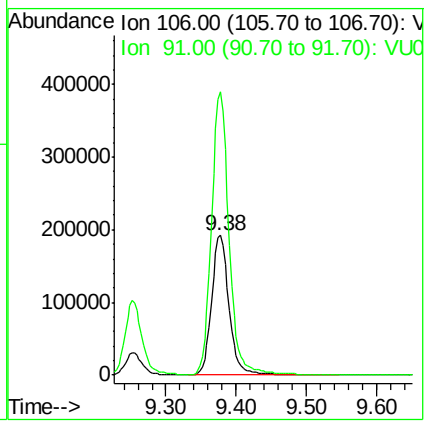


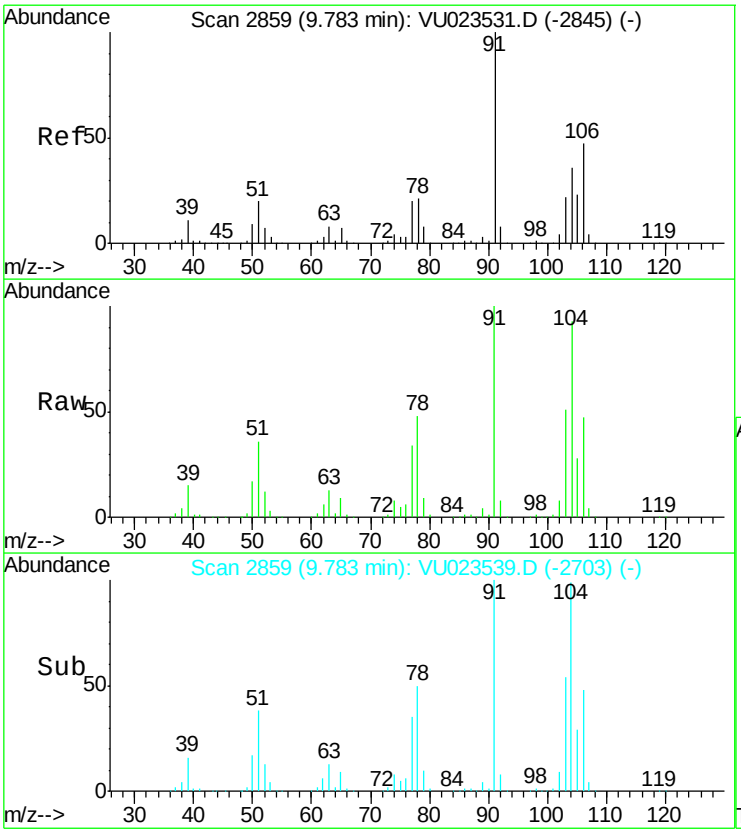
#64
m/p-Xylenes
Concen: 15.61 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Instrument : MSVOA_U
ClientSampleId : 1221

Tgt Ion:106 Resp: 327960

Ion	Ratio	Lower	Upper
106	100		
91	203.9	164.1	246.1

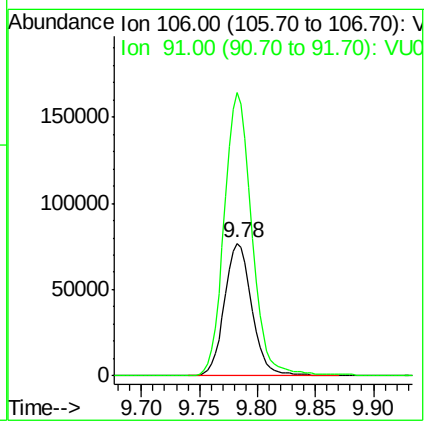


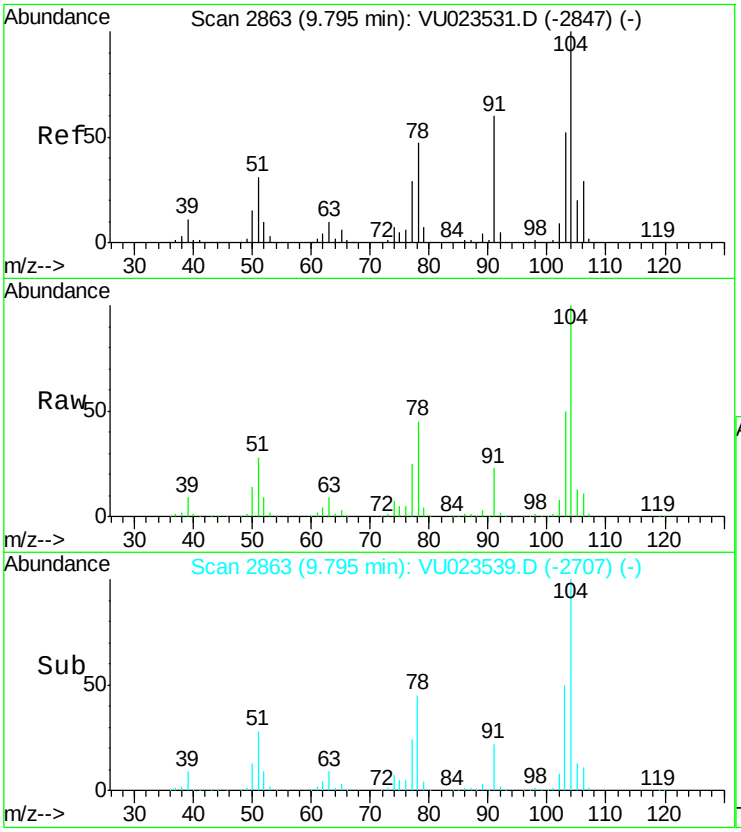


#65
o-Xylene
Concen: 6.22 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Tgt Ion:106 Resp: 125883

Ion	Ratio	Lower	Upper
106	100		
91	215.0	107.9	323.7



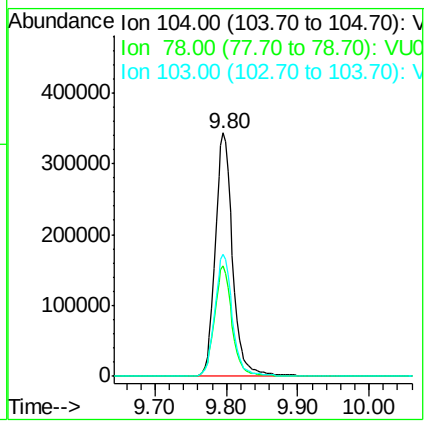


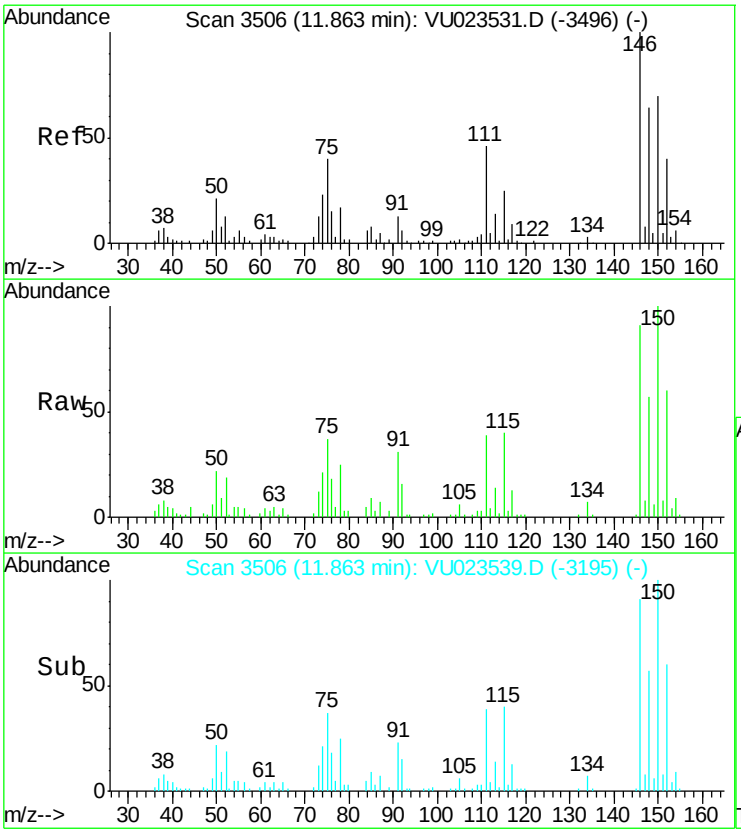
#66
Styrene
Concen: 17.29 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
1221

Tgt Ion:104 Resp: 576899

Ion	Ratio	Lower	Upper
104	100		
78	46.1	40.2	60.2
103	51.0	44.2	66.4

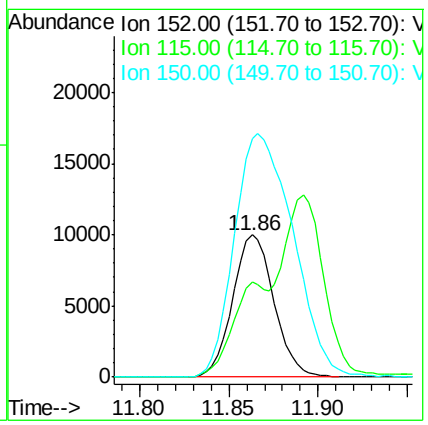


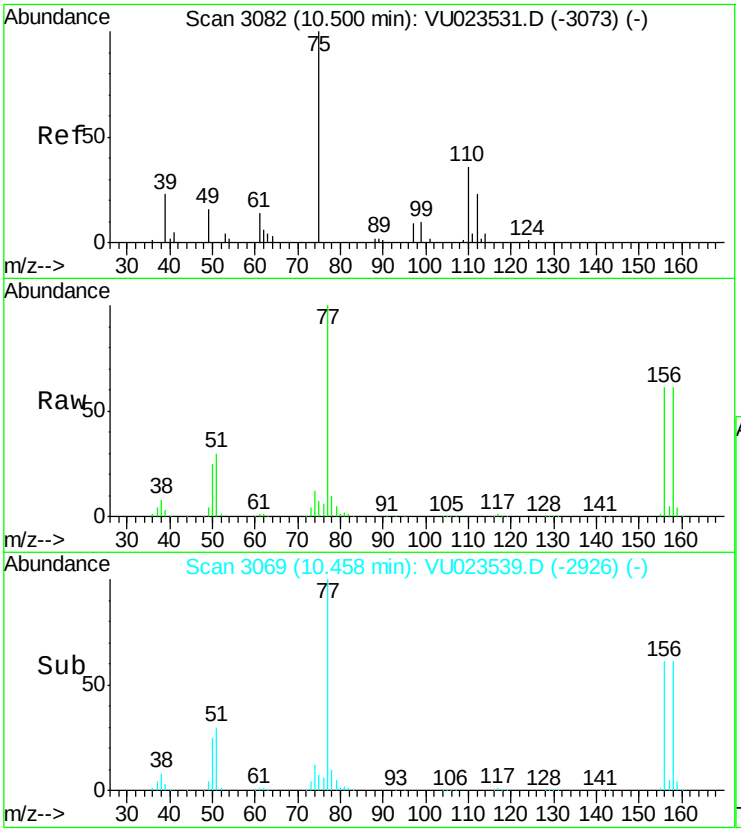


#68
1,2-Dichlorobenzene-d4
Concen: N.D. ug/l
RT: 11.86 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Tgt Ion:152 Resp: 16111

Ion	Ratio	Lower	Upper
152	100		
115	57.8	0.0	118.8
150	243.5	0.0	0.0#



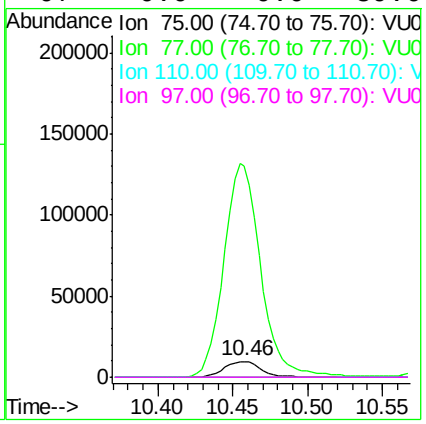


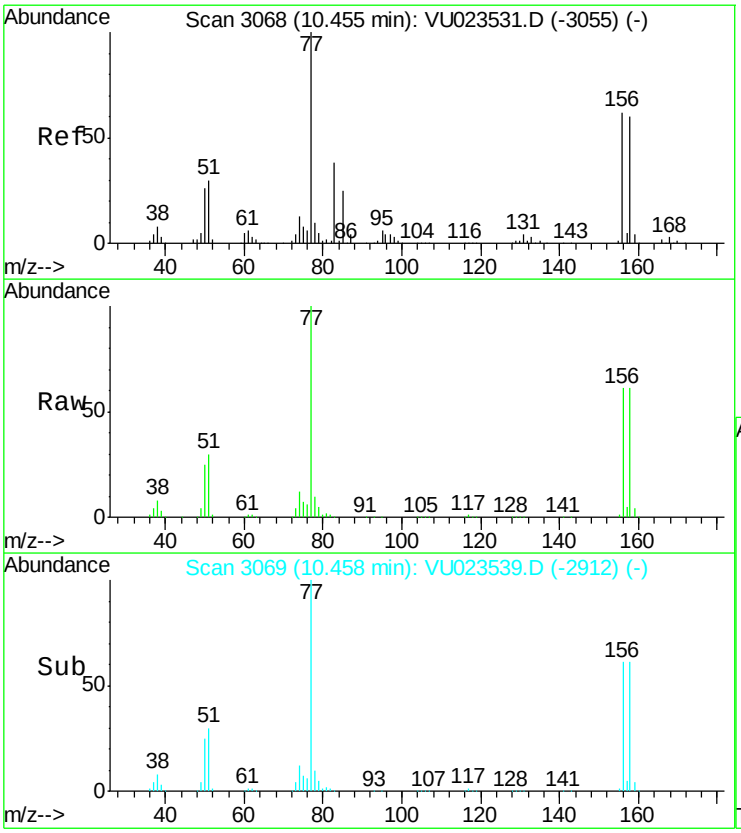
#71
1,2,3-Trichloropropane
Concen: 2.37 ug/l
RT: 10.46 min Scan# 3069
Delta R.T. -0.04 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Instrument : MSVOA_U
ClientSampleId : 1221

Tgt Ion: 75 Resp: 16998

Ion	Ratio	Lower	Upper
75	100		
77	1335.0	0.0	0.0#
110	0.0	0.0	74.0
97	0.0	0.0	39.6

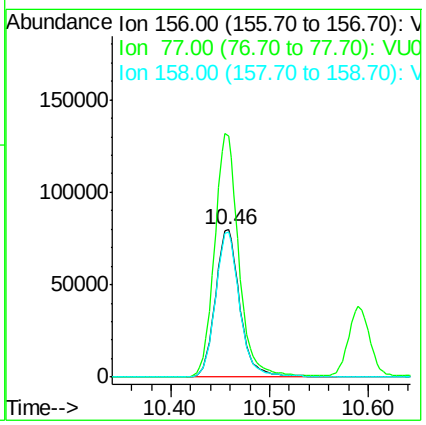


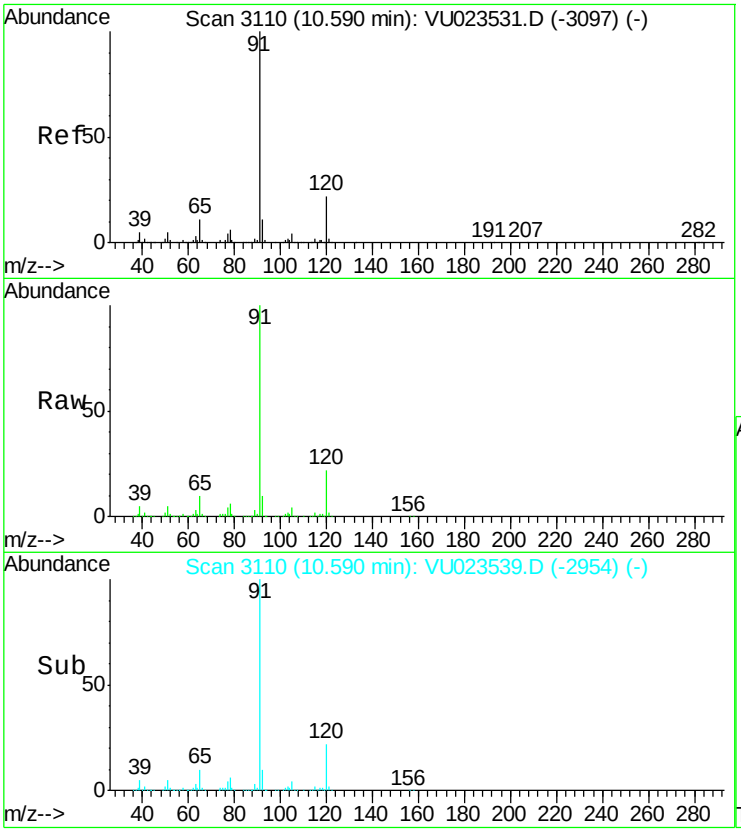


#72
Bromobenzene
Concen: 10.73 ug/l
RT: 10.46 min Scan# 3069
Delta R.T. 0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Tgt Ion:156 Resp: 139150

Ion	Ratio	Lower	Upper
156	100		
77	163.1	0.0	309.8
158	97.9	0.0	193.0



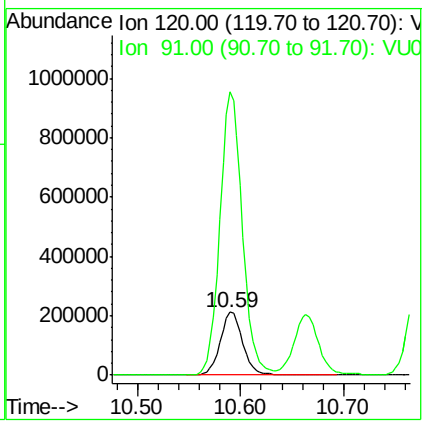


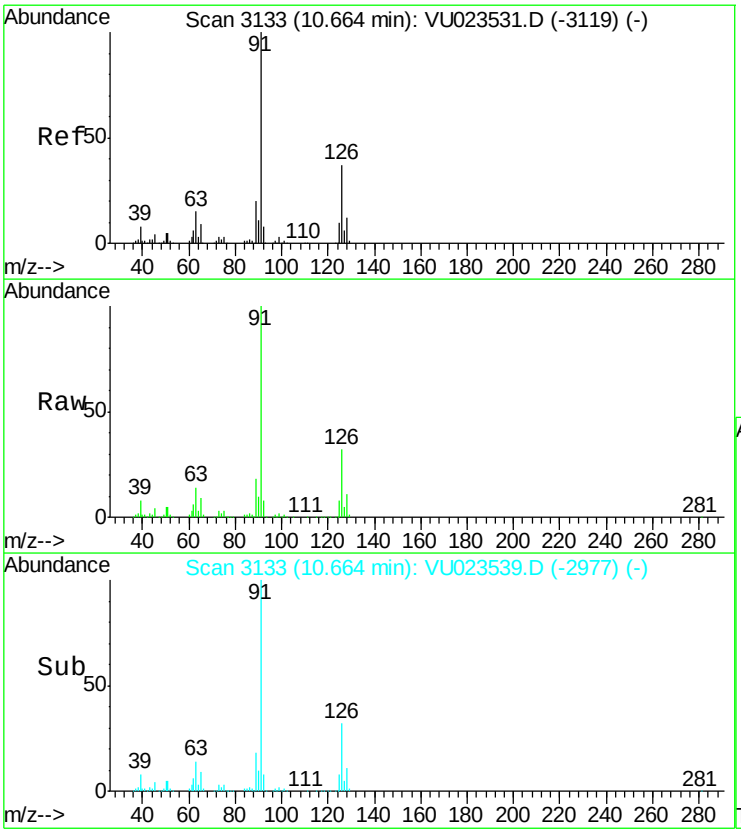
#73
n-propylbenzene
Concen: 22.46 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. 0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Instrument : MSVOA_U
ClientSampleId : 1221

Tgt Ion:120 Resp: 323495

Ion	Ratio	Lower	Upper
120	100		
91	444.2	352.2	528.4

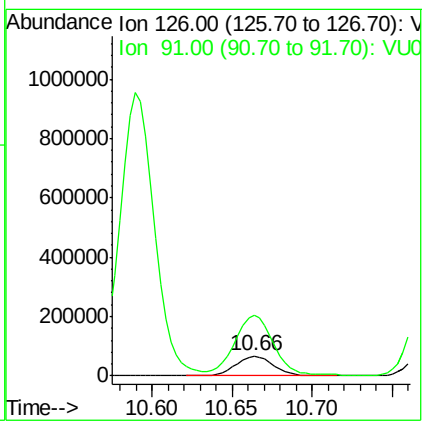


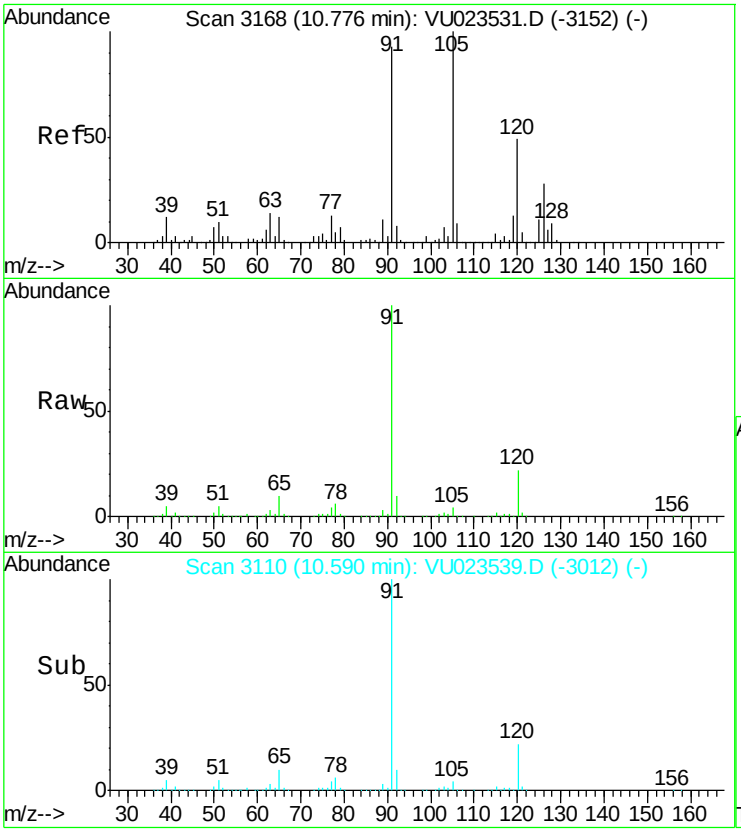


#74
2-Chlorotoluene
Concen: 8.50 ug/l
RT: 10.66 min Scan# 3133
Delta R.T. 0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Tgt Ion:126 Resp: 108267

Ion	Ratio	Lower	Upper
126	100		
91	321.3	0.0	613.0



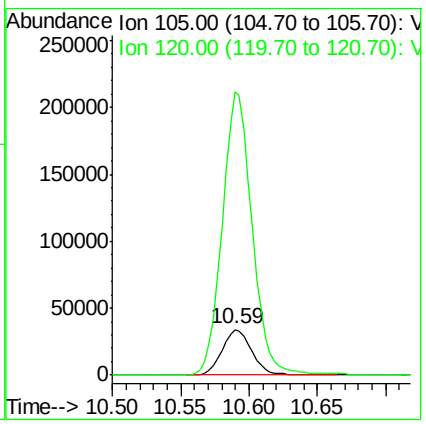


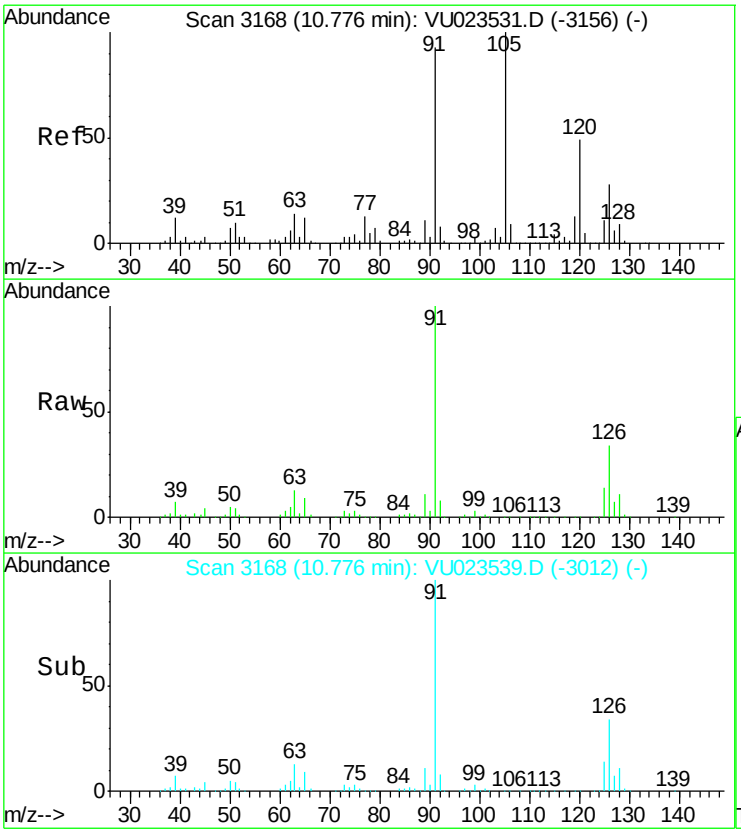
#75
1,3,5-Trimethylbenzene
Concen: 1.18 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. -0.19 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
1221

Tgt Ion:105 Resp: 51657

Ion	Ratio	Lower	Upper
105	100		
120	626.2	39.0	58.6#

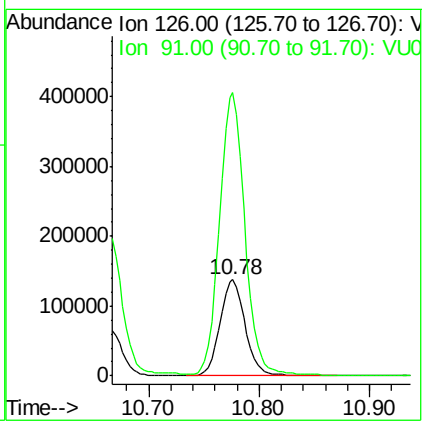


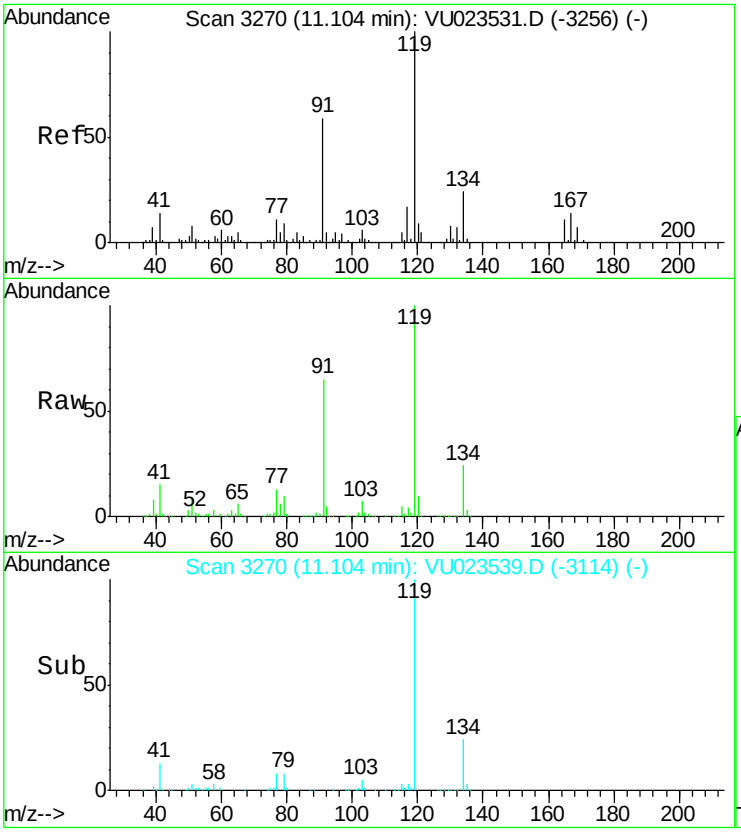


#76
4-Chlorotoluene
Concen: 16.39 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Tgt Ion:126 Resp: 216319

Ion	Ratio	Lower	Upper
126	100		
91	298.6	0.0	667.2



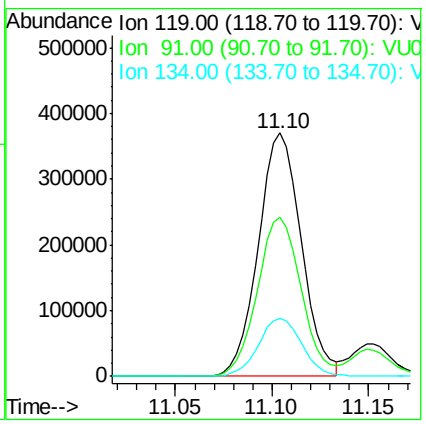


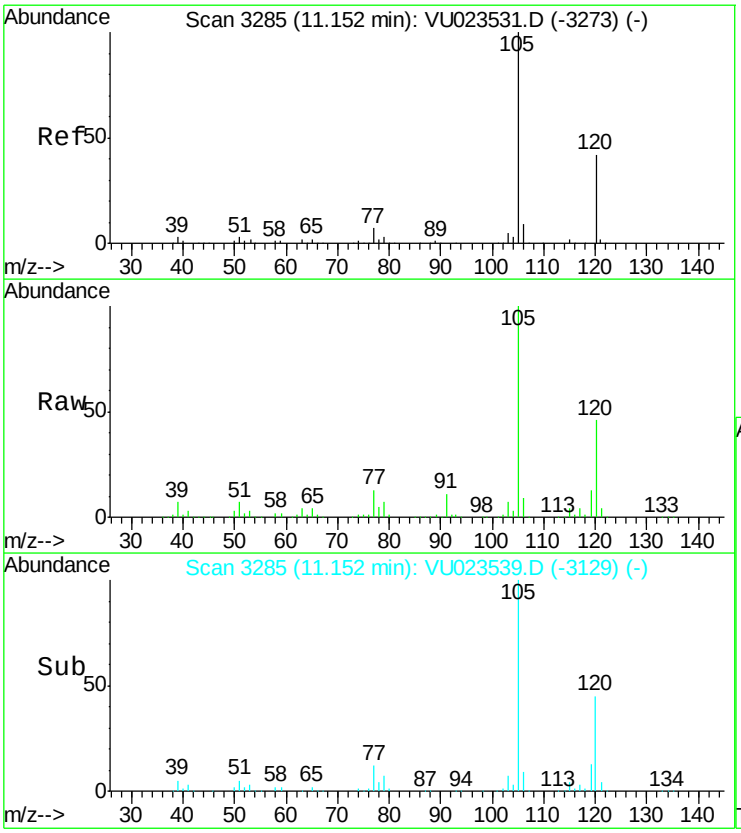
#77
tert-Butylbenzene
Concen: 13.92 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. -0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
1221

Tgt Ion:119 Resp: 572631

Ion	Ratio	Lower	Upper
119	100		
91	66.6	29.6	88.8
134	24.5	19.1	28.7

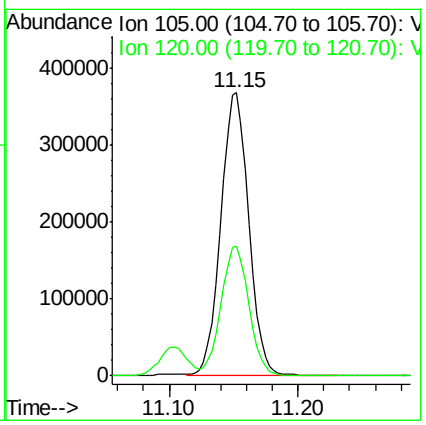


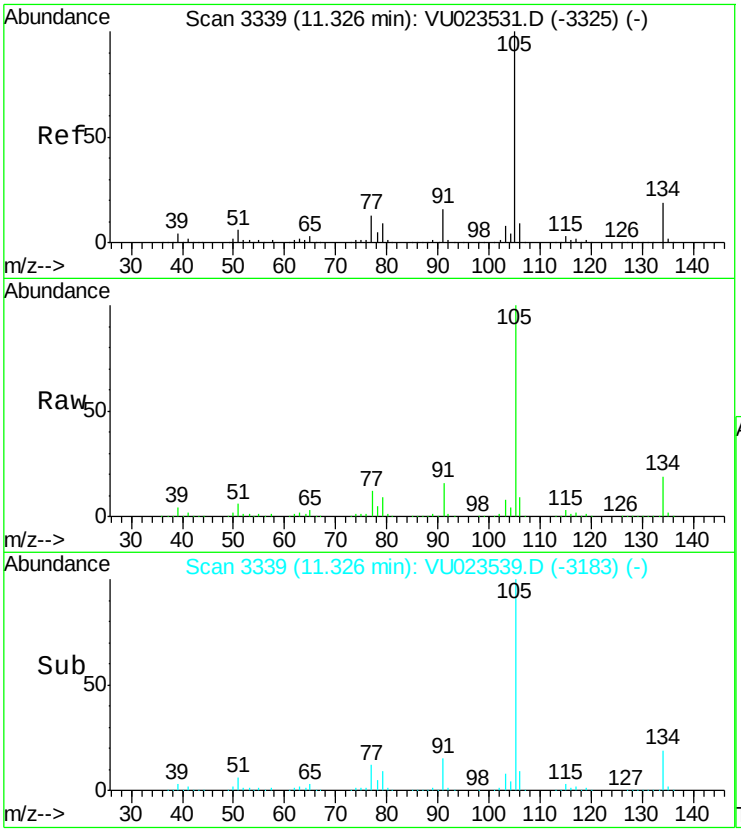


#78
1,2,4-Trimethylbenzene
Concen: 12.41 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Tgt Ion:105 Resp: 550245

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.3



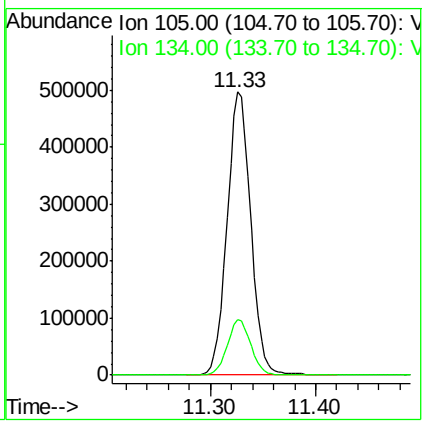


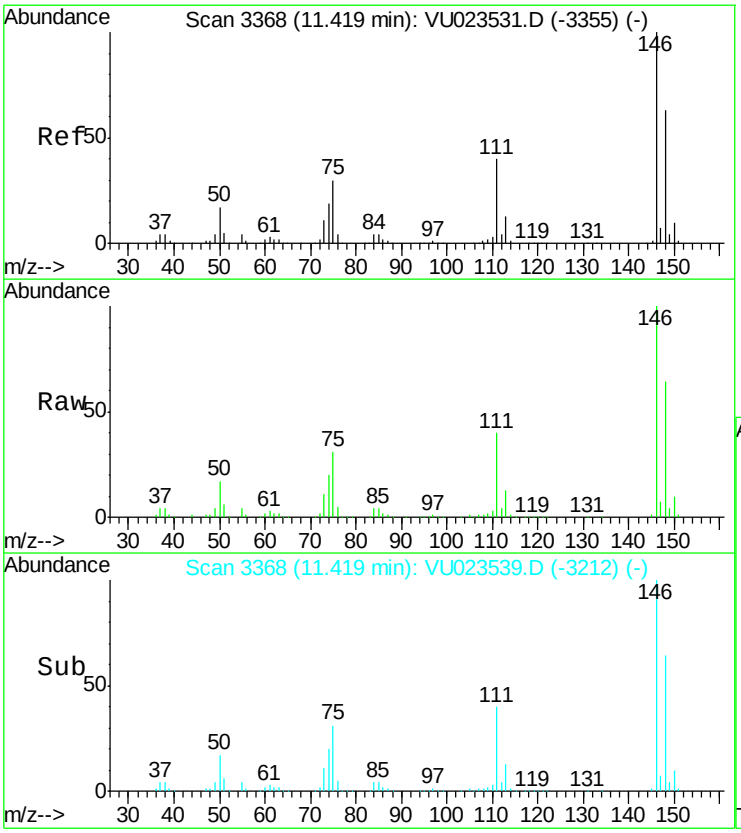
#79
sec-Butylbenzene
Concen: 13.36 ug/l
RT: 11.33 min Scan# 3339
Delta R.T. 0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
1221

Tgt Ion:105 Resp: 769452

Ion	Ratio	Lower	Upper
105	100		
134	19.5	15.6	23.4

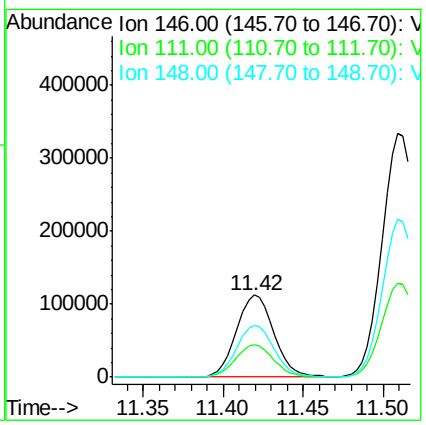


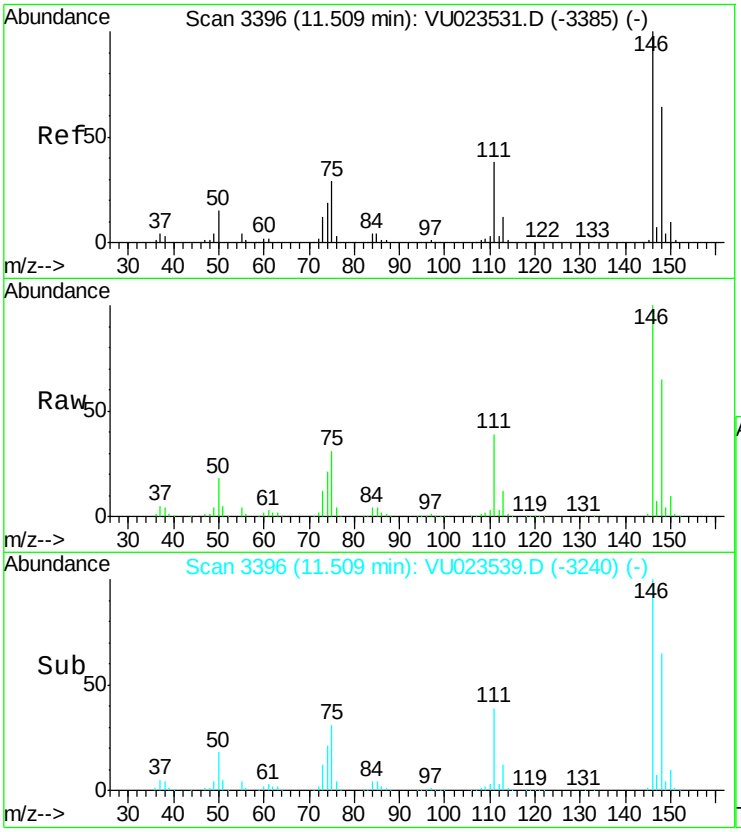


#82
1,3-Dichlorobenzene
Concen: 6.94 ug/l
RT: 11.42 min Scan# 3368
Delta R.T. -0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Tgt Ion:146 Resp: 179652

Ion	Ratio	Lower	Upper
146	100		
111	39.8	31.8	47.6
148	63.6	51.0	76.4



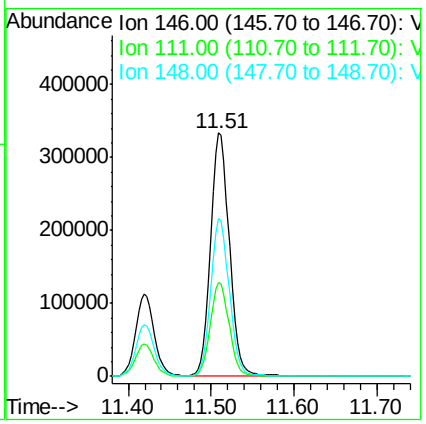


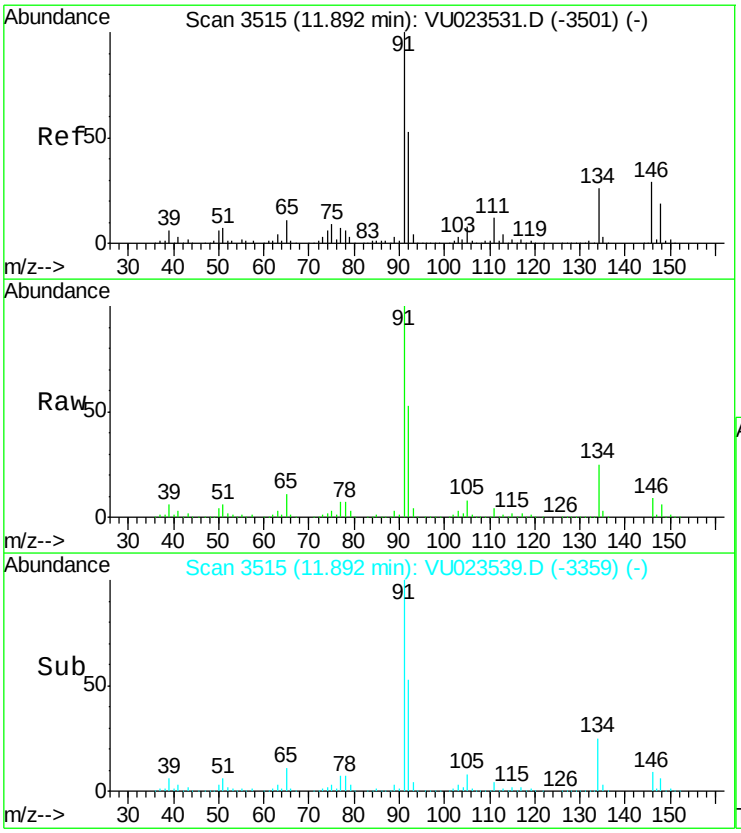
#83
1,4-Dichlorobenzene
Concen: 20.54 ug/l
RT: 11.51 min Scan# 3396
Delta R.T. 0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
1221

Tgt Ion:146 Resp: 531108

Ion	Ratio	Lower	Upper
146	100		
111	38.7	30.1	45.1
148	64.2	50.6	76.0

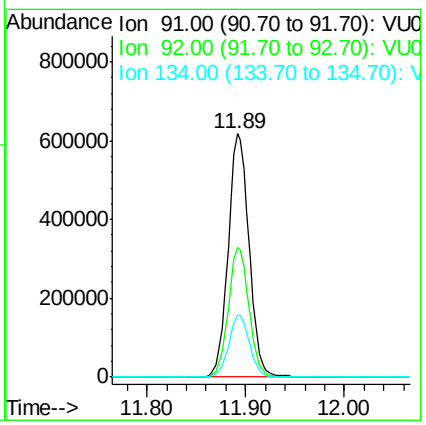


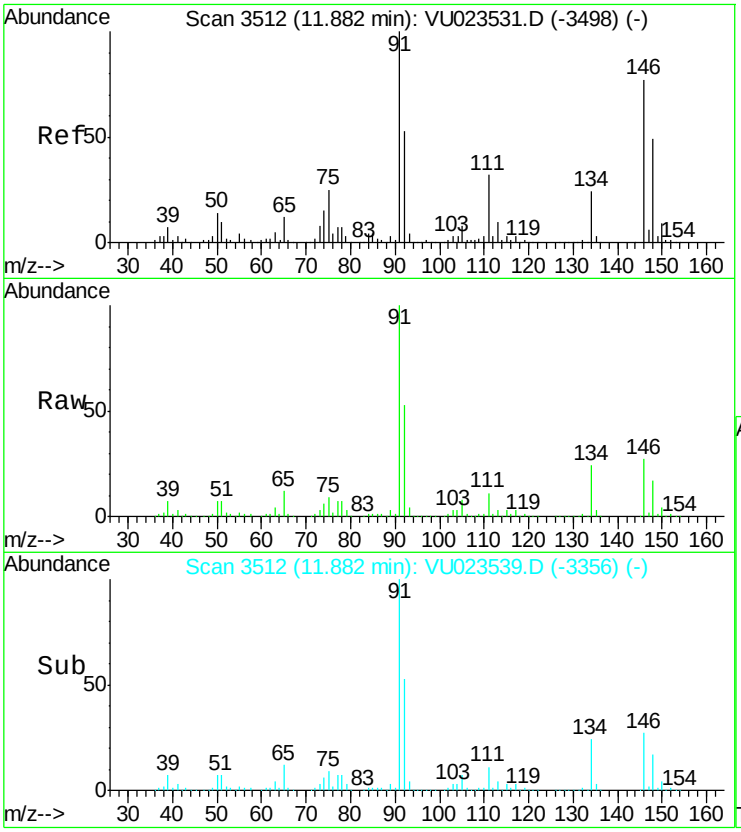


#84
n-Butylbenzene
Concen: 19.81 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Tgt Ion: 91 Resp: 915277

Ion	Ratio	Lower	Upper
91	100		
92	52.6	42.2	63.2
134	25.3	20.3	30.5



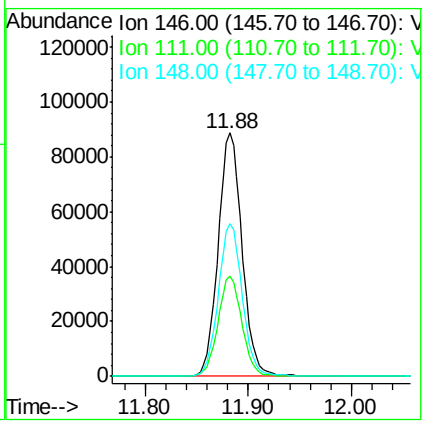


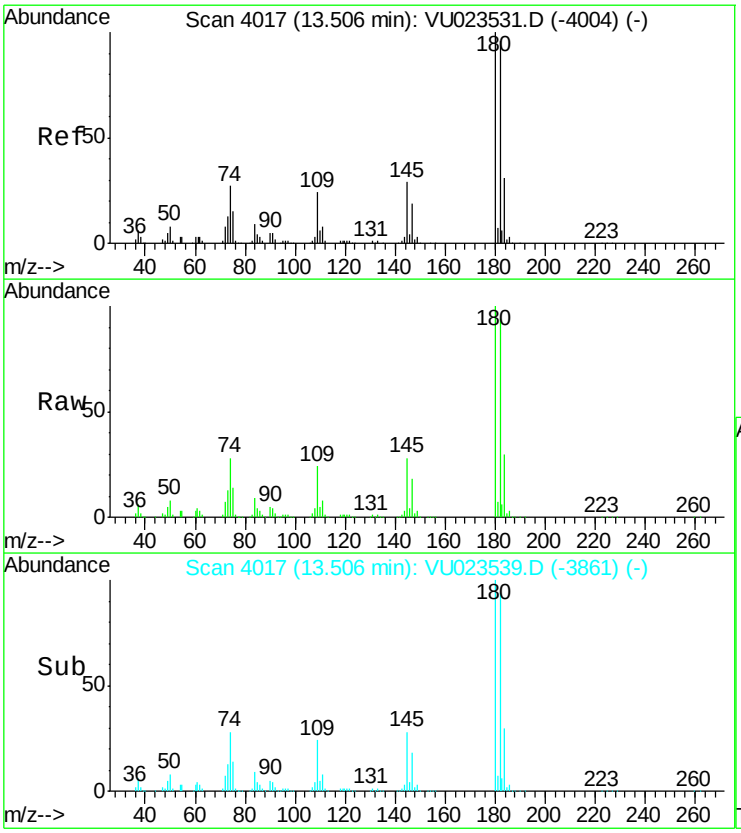
#85
1,2-Dichlorobenzene
Concen: 6.12 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. 0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
1221

Tgt Ion:146 Resp: 143046

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.7	62.1
148	62.9	31.9	95.5

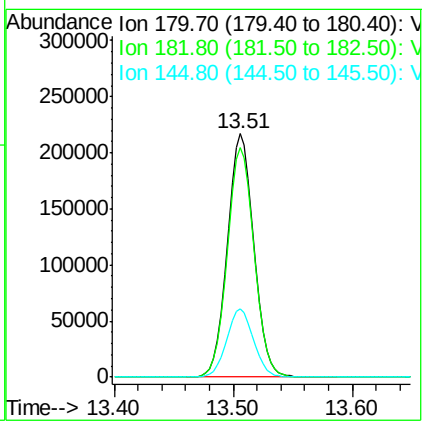


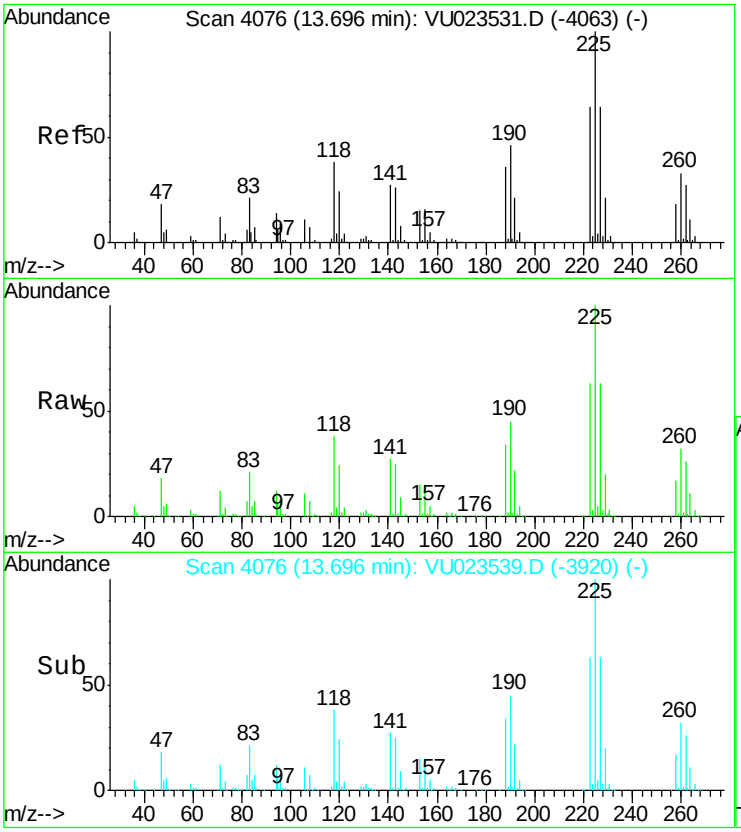


#87
1,2,4-Trichlorobenzene
Concen: 19.69 ug/l
RT: 13.51 min Scan# 4017
Delta R.T. -0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Tgt Ion:180 Resp: 333001

Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.1	115.7
145	28.5	23.3	34.9



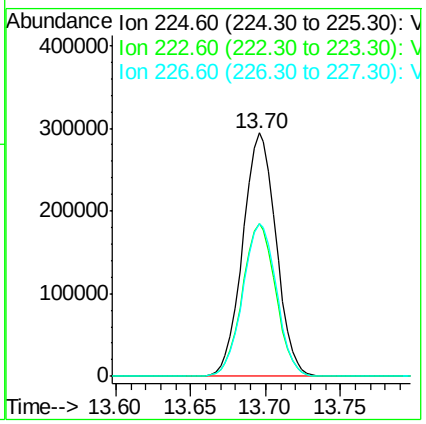


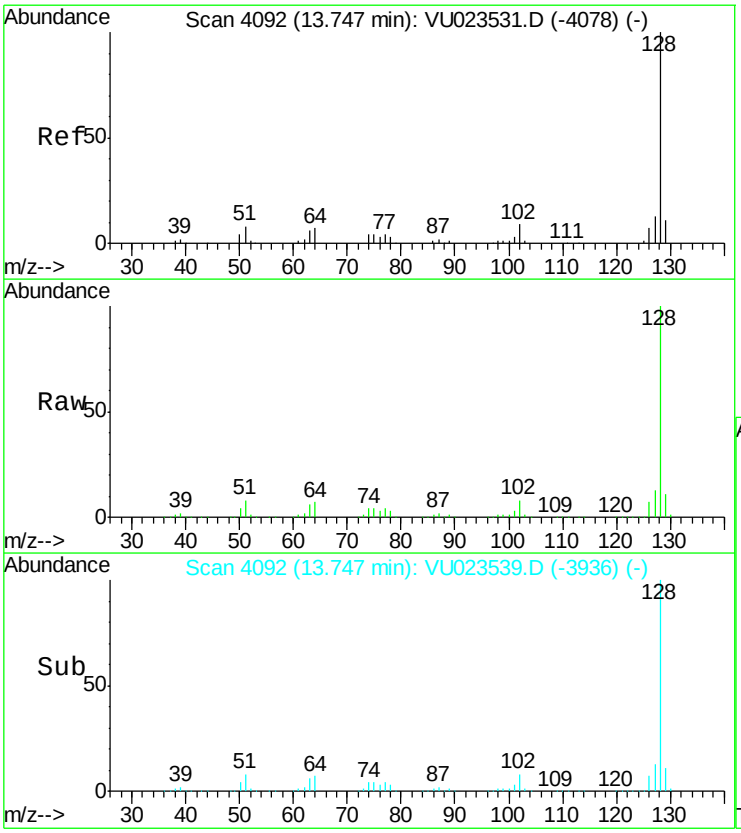
#88
Hexachlorobutadiene
Concen: 44.52 ug/l
RT: 13.70 min Scan# 4076
Delta R.T. 0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
1221

Tgt Ion:225 Resp: 456421

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.6	75.8
227	63.4	51.8	77.6

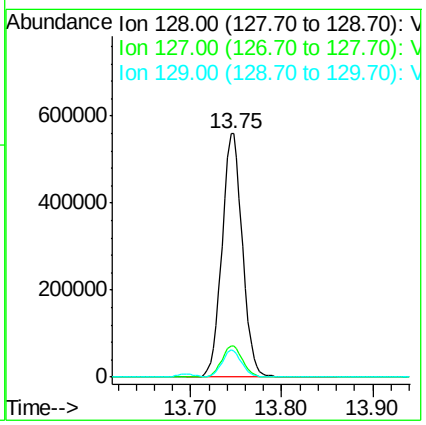


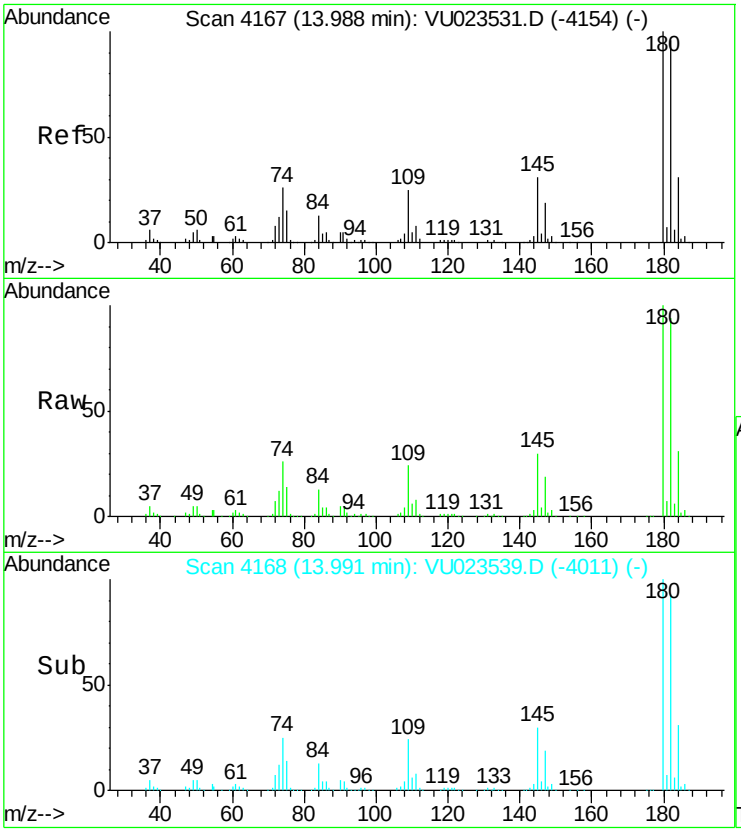


#89
Naphthalene
Concen: 34.16 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Tgt Ion:128 Resp: 869959

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.7	13.1





#90
1,2,3-Trichlorobenzene
Concen: 31.86 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU023539.D
Acq: 30 Apr 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
1221

Tgt Ion:180 Resp: 505685

Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.8	115.2
145	30.3	24.6	36.8