Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU081018\
Data File : VU026037.D
Acq On : 10 Aug 2018 12:36
Operator : MD/SY
Sample : J4401-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A4ZG9

Quant Time: Aug 11 01:34:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 11 00:58:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	286988	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	276403	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	141246	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	74757	35.64	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 71.28%			
7) Chloroethane-d5	1.66	69	68841	41.39	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 82.78%			
11) 1,1-Dichloroethene-d2	2.27	63	118270	29.67	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 59.34%#			
21) 2-Butanone-d5	4.18	46	165258	94.52	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 94.52%			
24) Chloroform-d	4.65	84	207689	46.69	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.38%			
26) 1,2-Dichloroethane-d4	5.31	65	139977	46.58	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.16%			
32) Benzene-d6	5.34	84	377088	43.93	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 87.86%			
36) 1,2-Dichloropropane-d6	6.33	67	127755	46.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 92.00%			
41) Toluene-d8	7.57	98	362036	44.09	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 88.18%			
43) trans-1,3-Dichloropropene-	7.85	79	64448	46.06	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 92.12%			
47) 2-Hexanone-d5	8.31	63	122345	96.99	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 96.99%			
57) 1,1,2,2-Tetrachloroethane-	10.44	84	196994	48.51	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 97.02%			
64) 1,2-Dichlorobenzene-d4	11.86	152	159180	45.72	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 91.44%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	25899	10.358	ug/L	99
3) Chloromethane	1.33	50	75448	33.630	ug/L	99
6) Bromomethane	1.60	94	8748	7.557	ug/L	96
9) Trichlorofluoromethane	1.88	101	86285	27.859	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	47342	26.276	ug/L	99
13) Acetone	2.34	43	5001	4.604	ug/L	50
14) Carbon disulfide	2.47	76	153437	28.148	ug/L	99
15) Methyl Acetate	2.62	43	3534	1.553	ug/L	92
17) trans-1,2-Dichloroethene	2.98	96	98485	53.346	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	663612	109.379	ug/L	99
25) Chloroform	4.67	83	158163	42.418	ug/L	99
27) 1,2-Dichloroethane	5.41	62	130386	42.338	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	70642	20.256	ug/L	99
31) Carbon tetrachloride	5.14	117	162665	51.079	ug/L	99
35) Methylcyclohexane	6.42	83	83901	26.717	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	98572	30.193	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	265751	89.790	ug/L	100

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU081018\
Data File : VU026037.D
Acq On : 10 Aug 2018 12:36
Operator : MD/SY
Sample : J4401-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A4ZG9

Quant Time: Aug 11 01:34:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 11 00:58:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	443626	53.090	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	55903	27.221	ug/L	94
49) Dibromochloromethane	8.48	129	120271	48.566	ug/L	100
50) 1,2-Dibromoethane	8.59	107	93358	41.740	ug/L	98
53) m,p-Xylene	9.38	106	122074	34.939	ug/L	96
55) Styrene	9.80	104	188617	32.671	ug/L	95
58) 1,1,2,2-Tetrachloroethane	10.46	83	87101	24.955	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	137357	29.798	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	23094	28.112	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	131897	44.156	ug/L	99

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU081018\
Data File : VU026037.D
Acq On : 10 Aug 2018 12:36
Operator : MD/SY
Sample : J4401-23
Misc : 5.0mL/MSVOA_U/WATER
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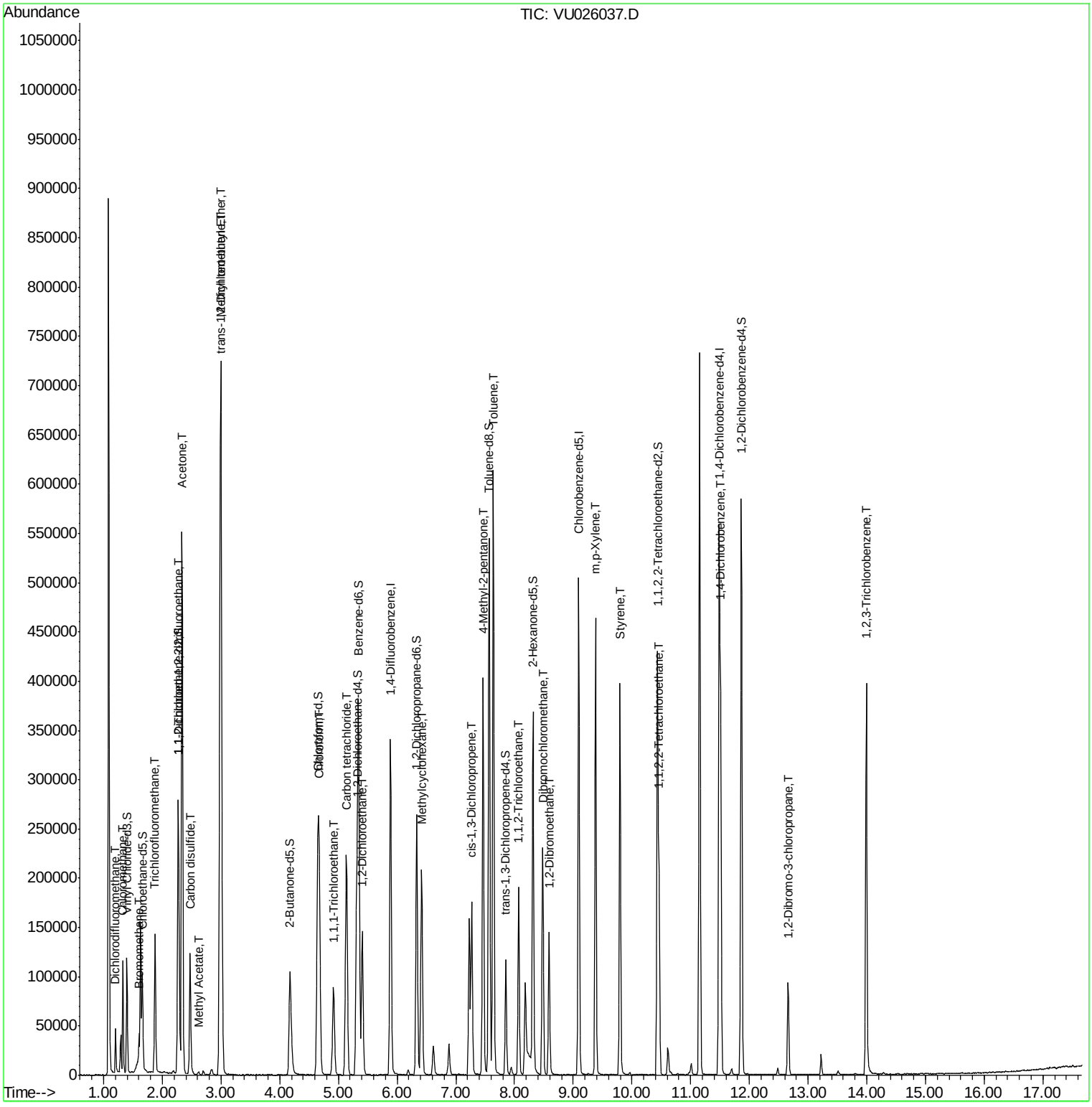
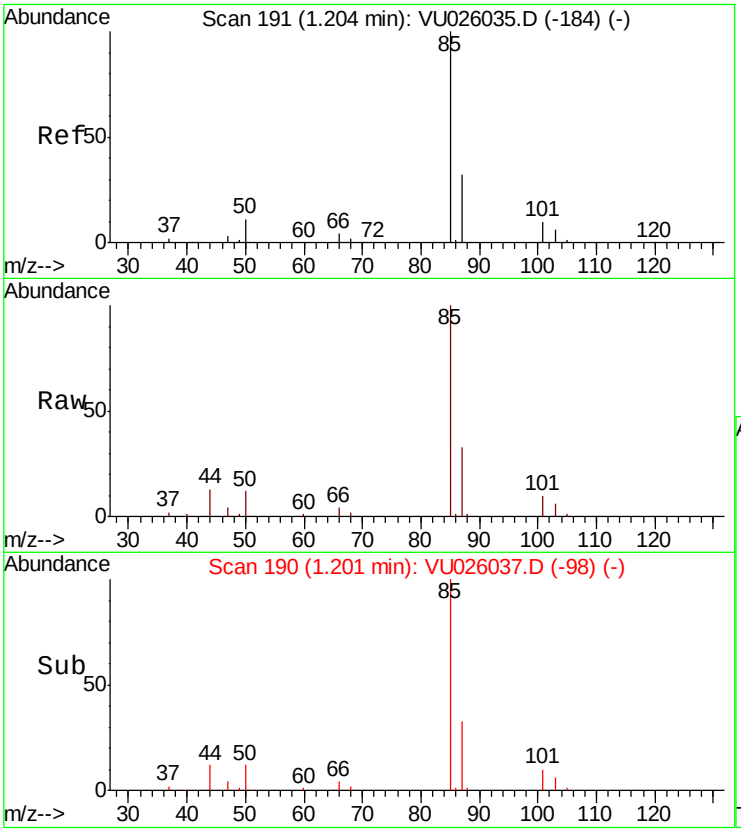
Quant Time: Aug 11 01:34:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 11 00:58:27 2018
Response via : Initial Calibration



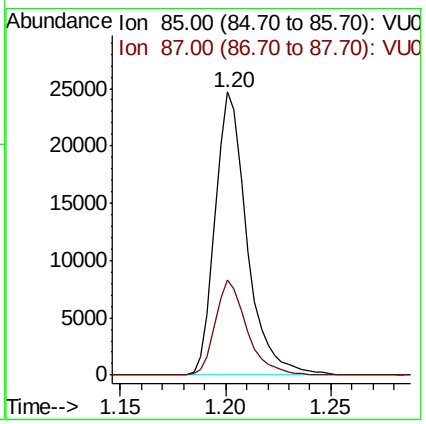


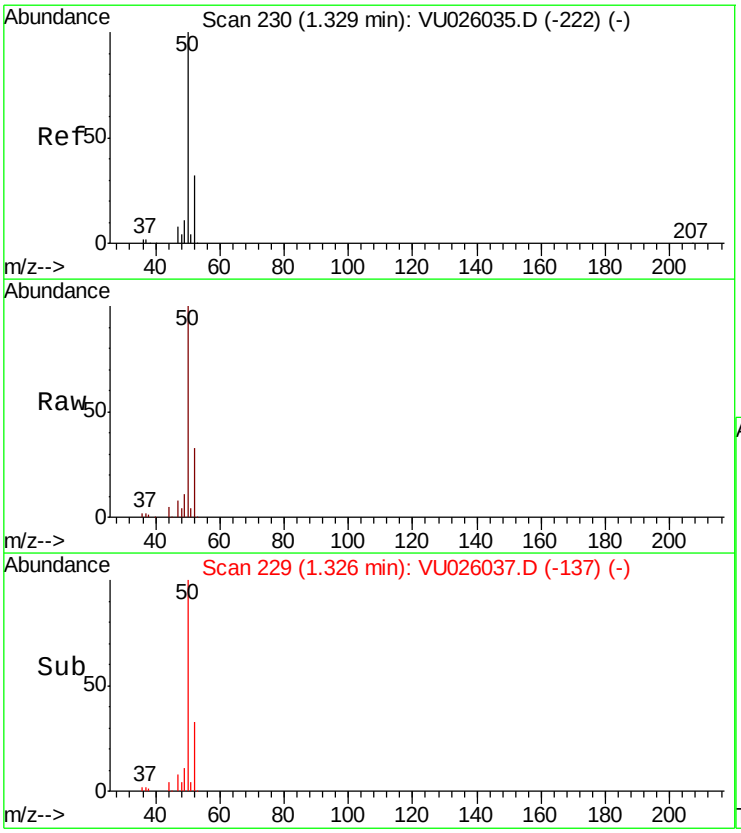
#2
Dichlorodifluoromethane
Concen: 10.358 ug/L
RT: 1.20 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Instrument :
MSVOA_U
ClientSampleId :
A4ZG9

Tgt Ion: 85 Resp: 25899

Ion	Ratio	Lower	Upper
85	100		
87	33.1	26.1	39.1

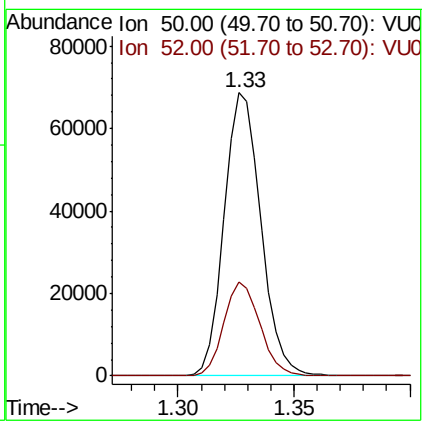


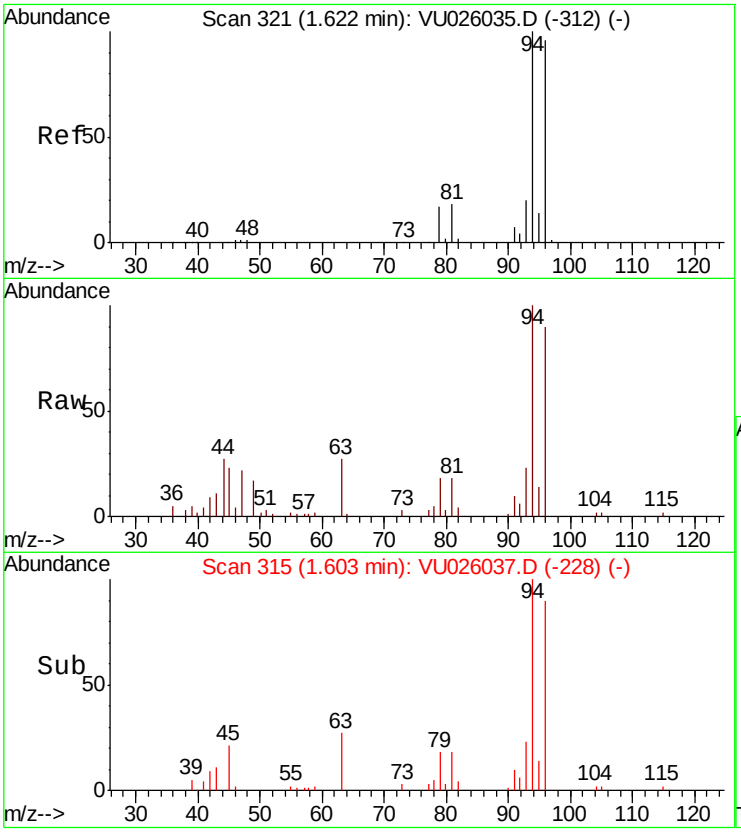


#3
Chloromethane
Concen: 33.630 ug/L
RT: 1.33 min Scan# 229
Delta R.T. -0.00 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Tgt Ion: 50 Resp: 75448

Ion	Ratio	Lower	Upper
50	100		
52	33.0	23.4	43.4



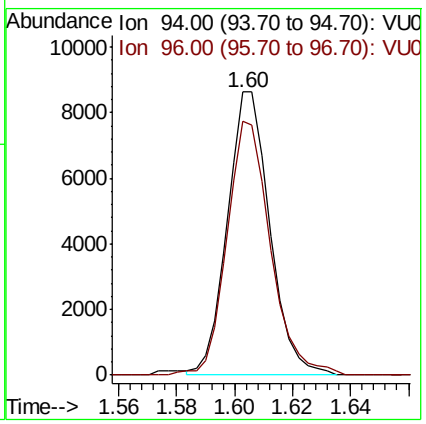


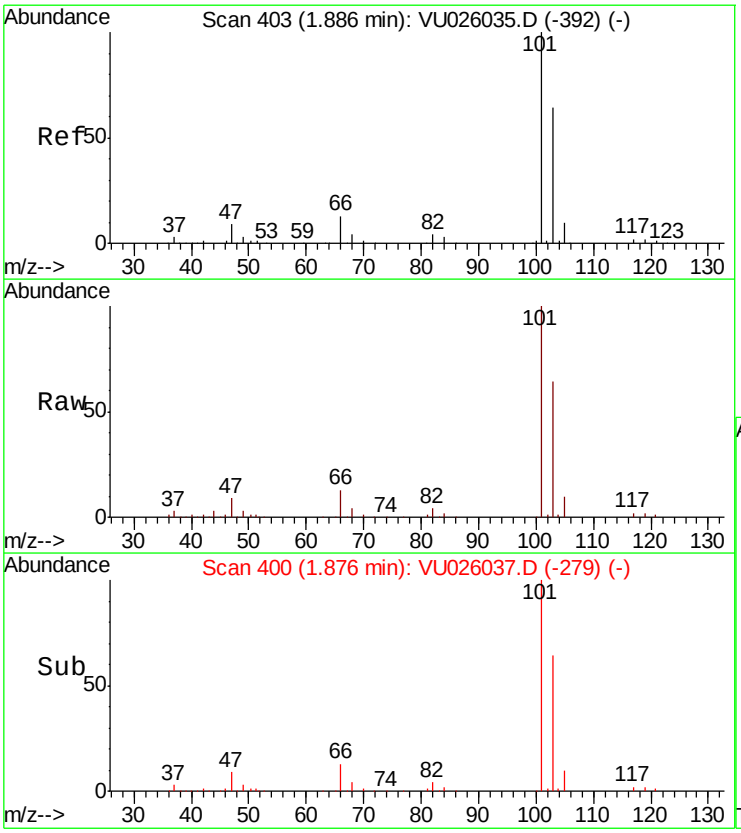
#6
Bromomethane
Concen: 7.557 ug/L
RT: 1.60 min Scan# 315
Delta R.T. -0.02 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Instrument :
MSVOA_U
ClientSampleId :
A4ZG9

Tgt Ion: 94 Resp: 8748

Ion	Ratio	Lower	Upper
94	100		
96	89.9	65.6	121.8

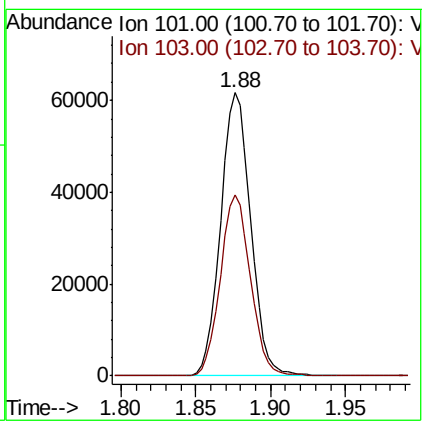


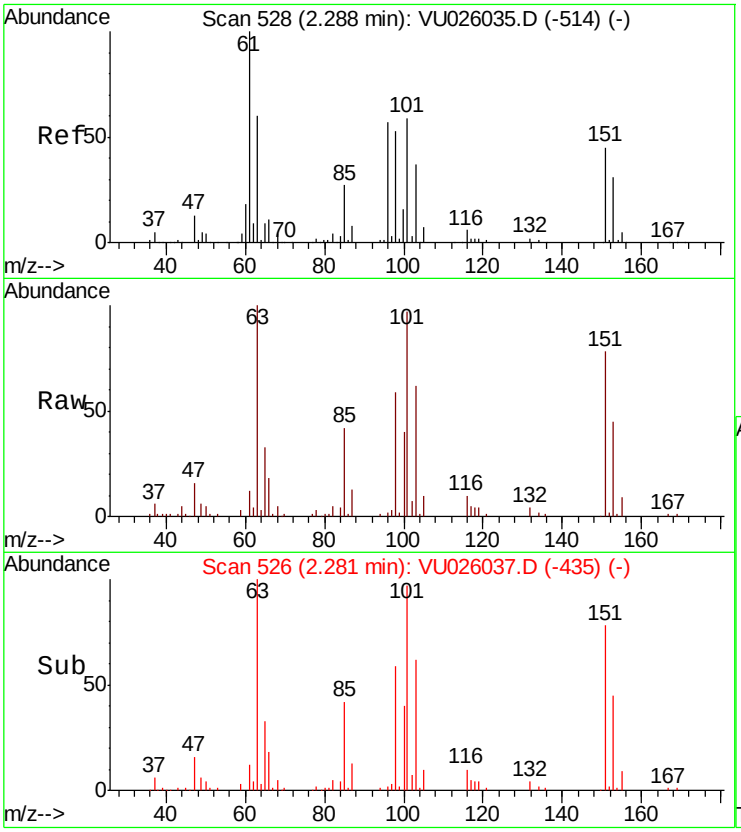


#9
Trichlorofluoromethane
Concen: 27.859 ug/L
RT: 1.88 min Scan# 400
Delta R.T. -0.01 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Tgt Ion:101 Resp: 86285

Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.7	79.1



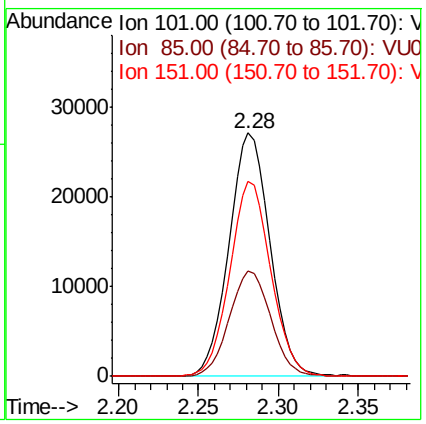


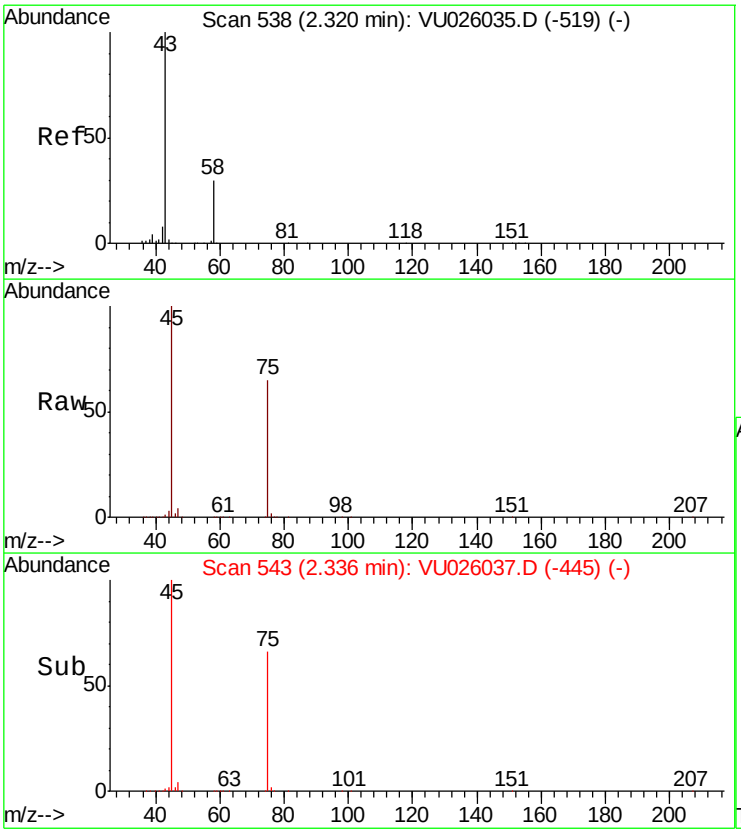
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 26.276 ug/L
RT: 2.28 min Scan# 526
Delta R.T. -0.01 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Instrument :
MSVOA_U
ClientSampleId :
A4ZG9

Tgt Ion:101 Resp: 47342

Ion	Ratio	Lower	Upper
101	100		
85	43.6	36.0	54.0
151	80.2	64.2	96.2

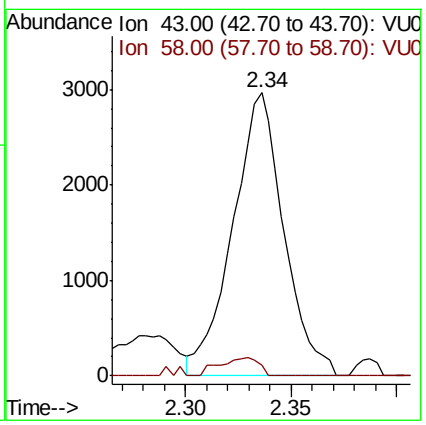


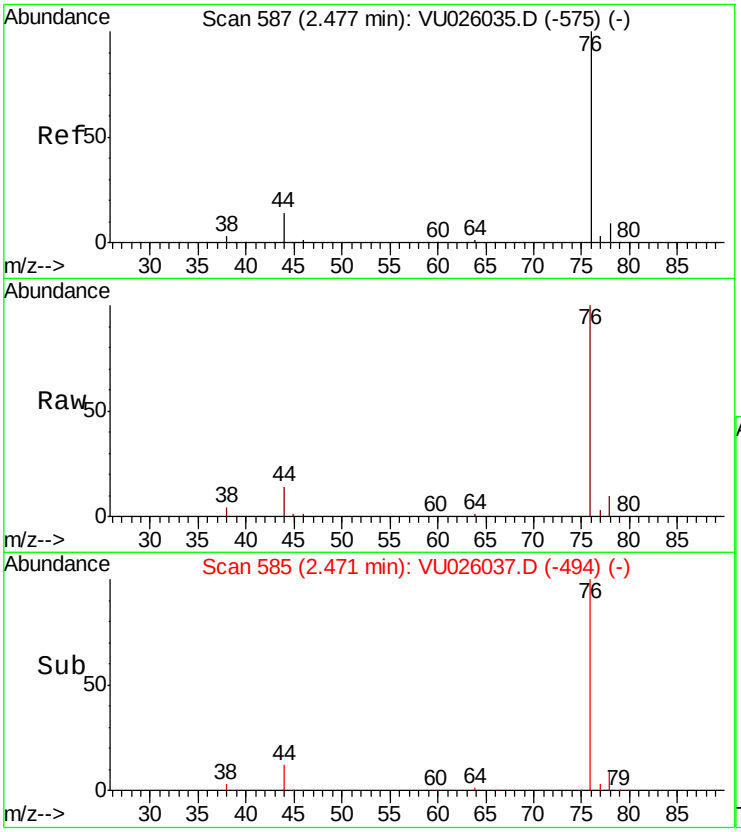


#13
Acetone
Concen: 4.604 ug/L
RT: 2.34 min Scan# 543
Delta R.T. 0.02 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Tgt Ion: 43 Resp: 5001

Ion	Ratio	Lower	Upper
43	100		
58	3.6	0.0	61.8



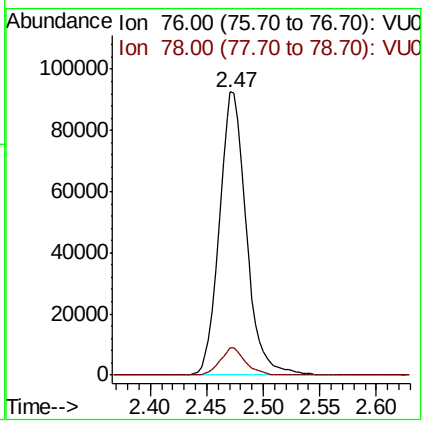


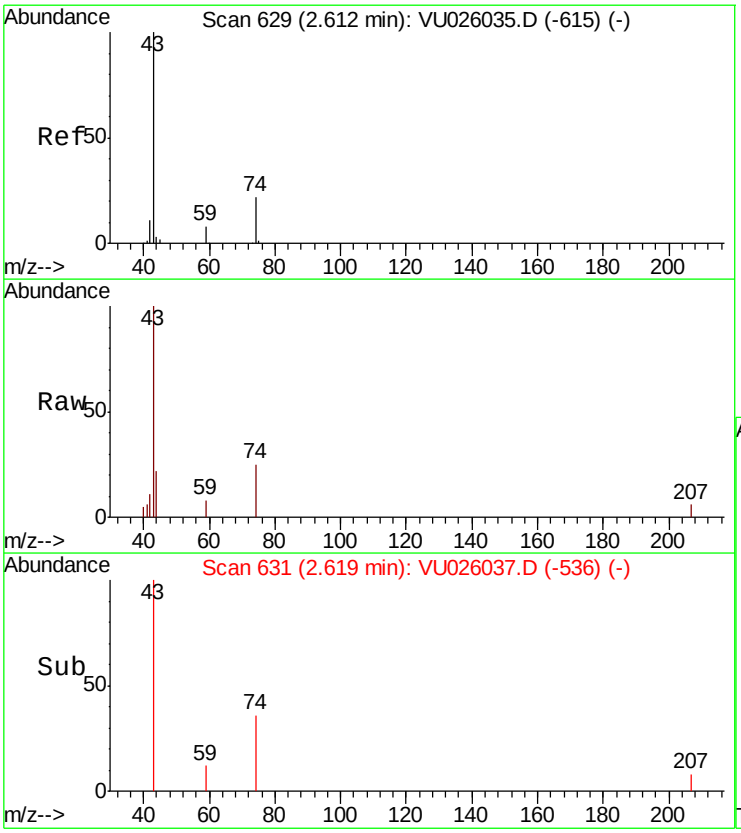
#14
Carbon disulfide
Concen: 28.148 ug/L
RT: 2.47 min Scan# 585
Delta R.T. -0.01 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Instrument : MSVOA_U
ClientSampleId : A4ZG9

Tgt Ion: 76 Resp: 153437

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.2	10.8

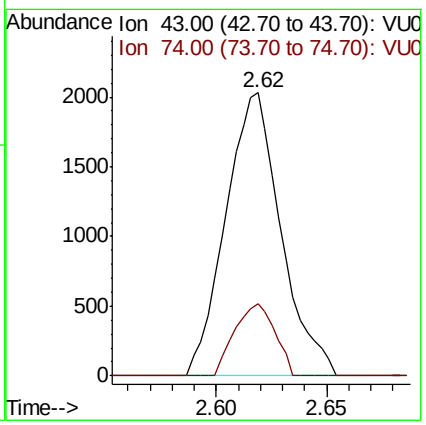


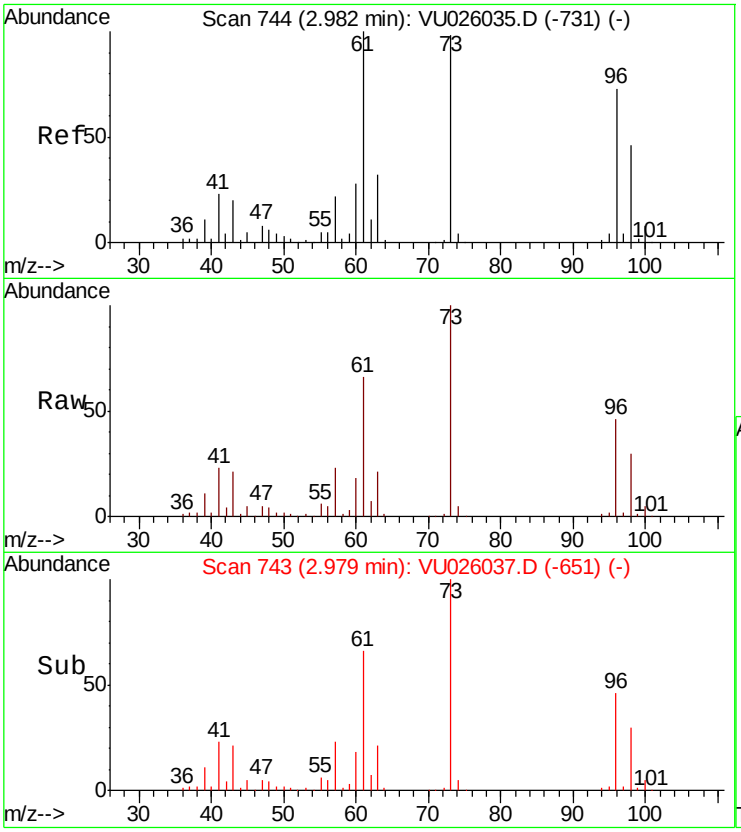


#15
Methyl Acetate
Concen: 1.553 ug/L
RT: 2.62 min Scan# 631
Delta R.T. 0.01 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Tgt Ion: 43 Resp: 3534

Ion	Ratio	Lower	Upper
43	100		
74	18.6	17.8	26.8



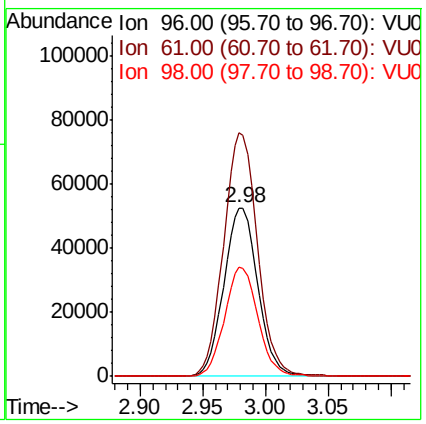


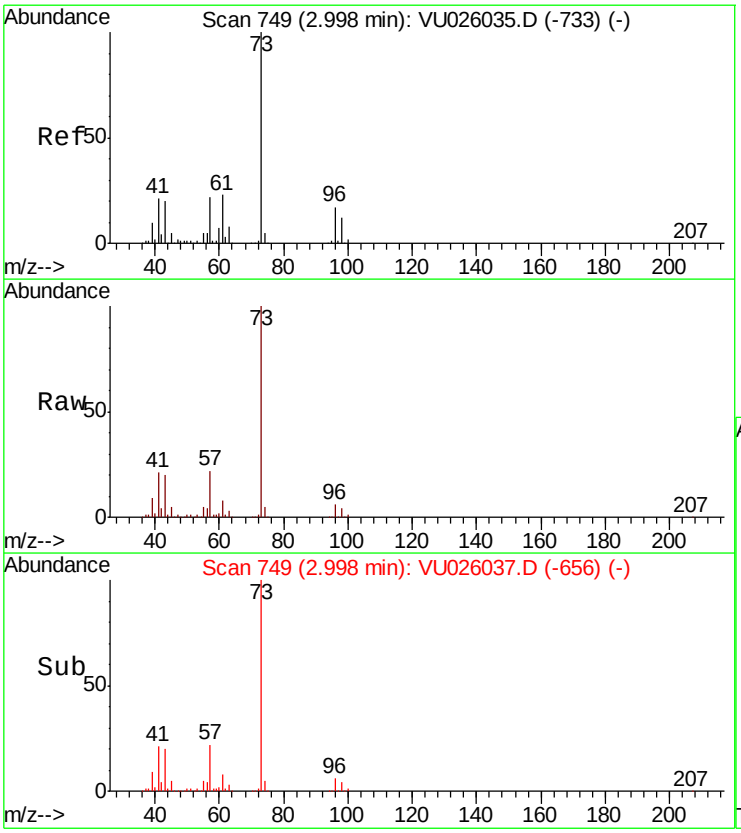
#17
trans-1,2-Dichloroethene
Concen: 53.346 ug/L
RT: 2.98 min Scan# 743
Delta R.T. -0.00 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Instrument :
MSVOA_U
ClientSampleId :
A4ZG9

Tgt Ion: 96 Resp: 98485

Ion	Ratio	Lower	Upper
96	100		
61	144.5	102.8	190.8
98	64.8	44.7	83.1

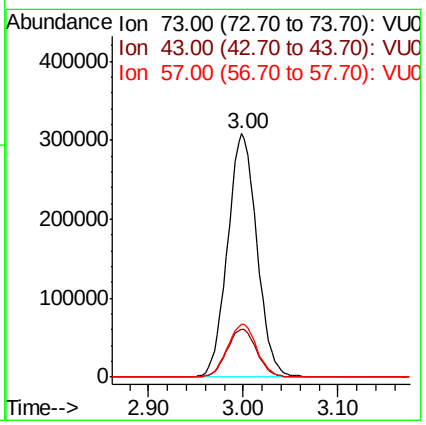


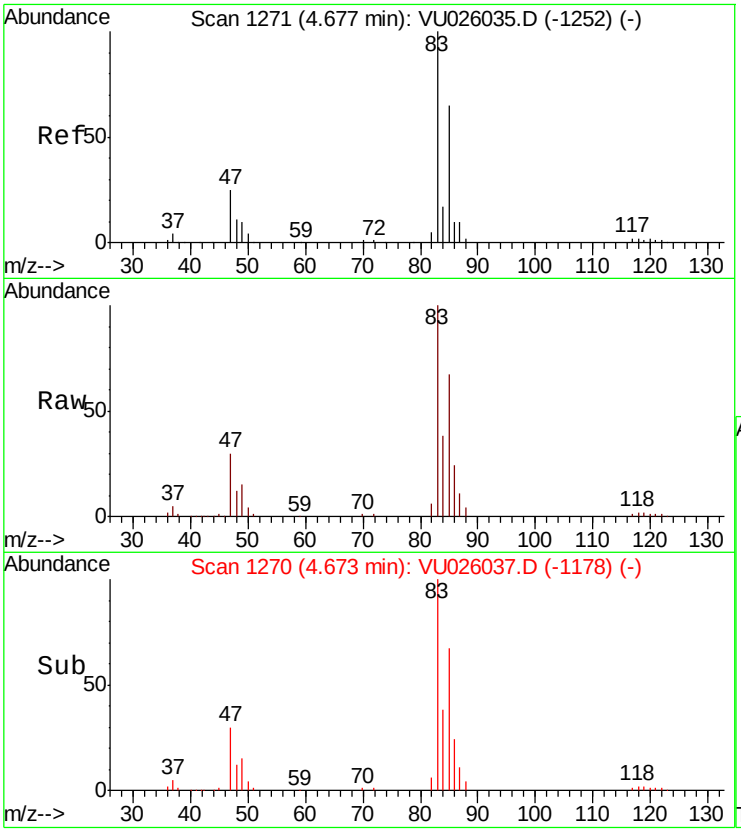


#18
Methyl tert-butyl Ether
Concen: 109.379 ug/L
RT: 3.00 min Scan# 749
Delta R.T. 0.00 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Tgt Ion: 73 Resp: 663612

Ion	Ratio	Lower	Upper
73	100		
43	20.1	16.3	24.5
57	21.9	17.1	25.7



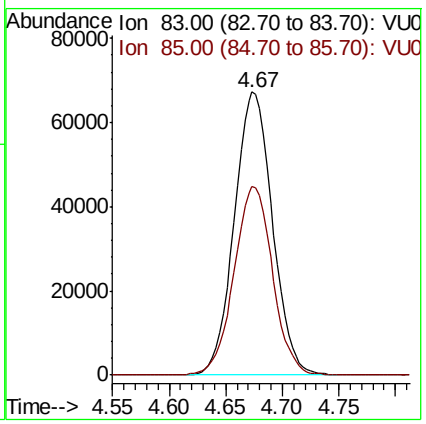


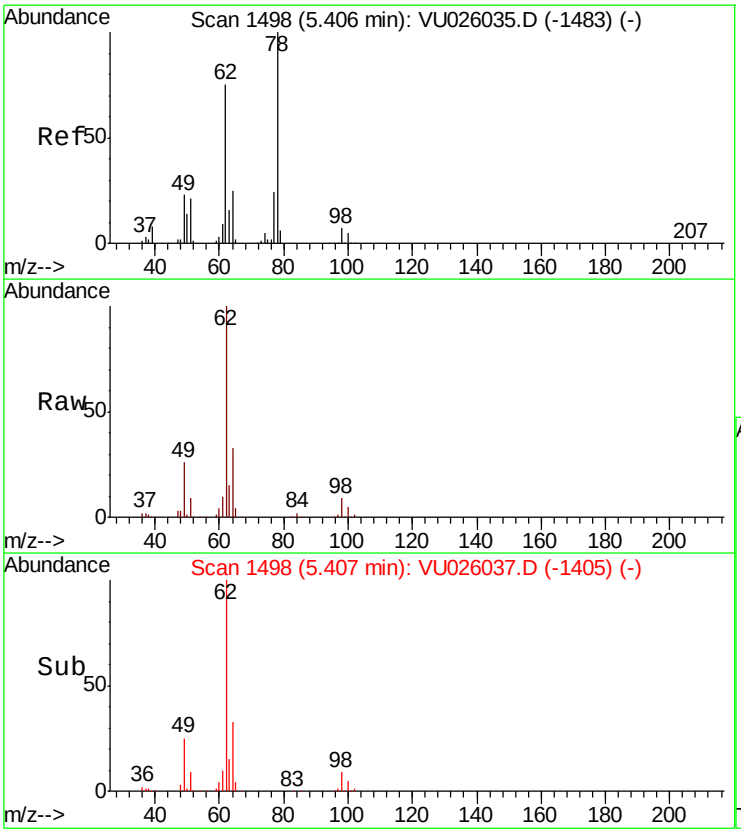
#25
Chloroform
Concen: 42.418 ug/L
RT: 4.67 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Instrument : MSVOA_U
ClientSampleId : A4ZG9

Tgt Ion: 83 Resp: 158163

Ion	Ratio	Lower	Upper
83	100		
85	66.5	45.9	85.3

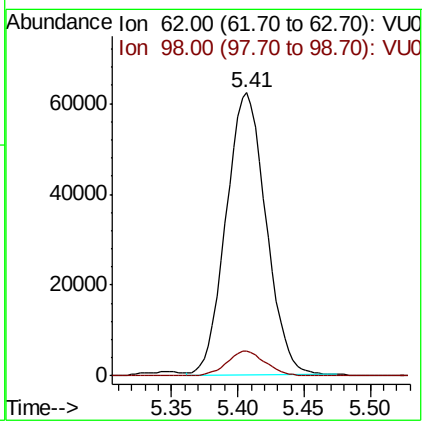


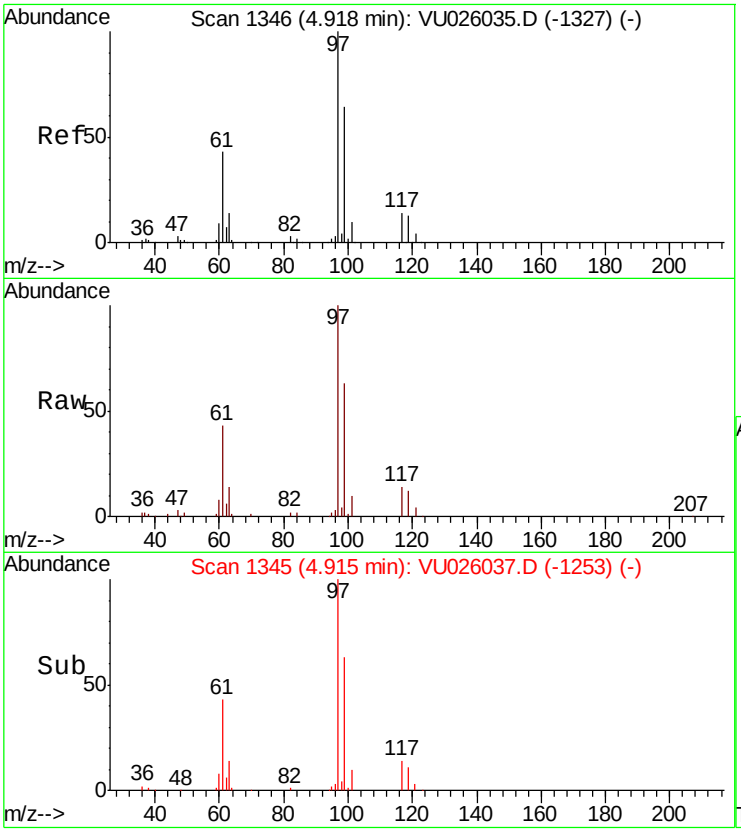


#27
1,2-Dichloroethane
Concen: 42.338 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Tgt Ion: 62 Resp: 130386

Ion	Ratio	Lower	Upper
62	100		
98	9.0	7.0	10.4



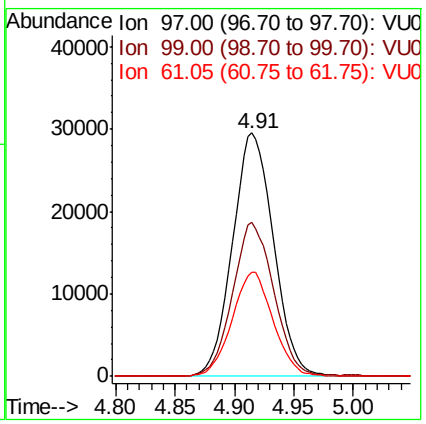


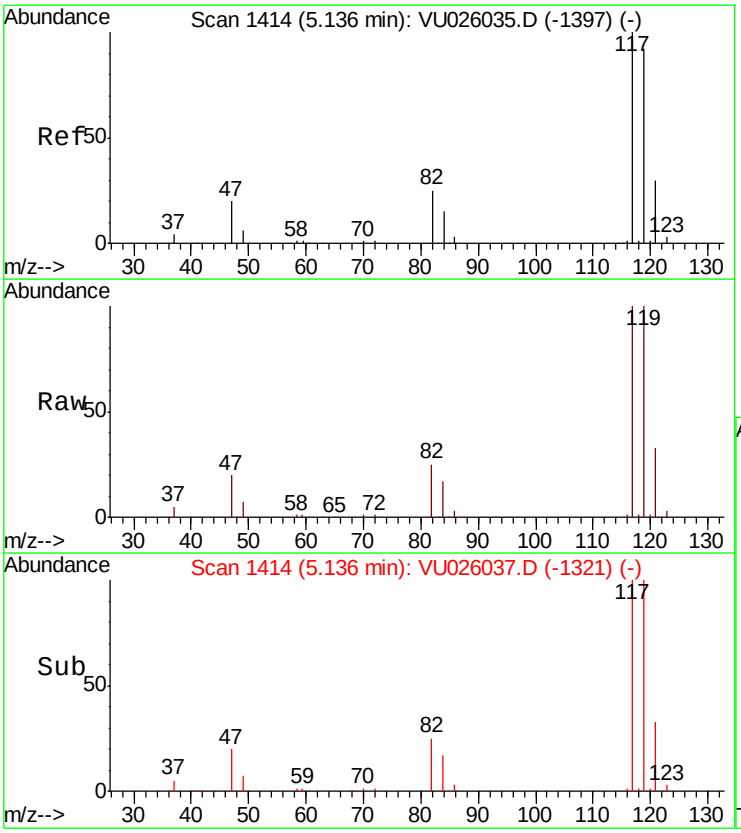
#30
1,1,1-Trichloroethane
Concen: 20.256 ug/L
RT: 4.91 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Instrument :
MSVOA_U
ClientSampleId :
A4ZG9

Tgt Ion: 97 Resp: 70642

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.8	77.6
61	42.7	34.7	52.1

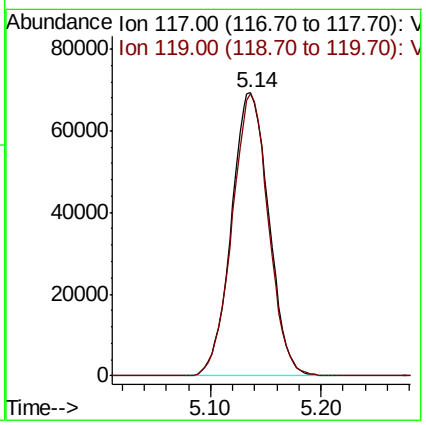


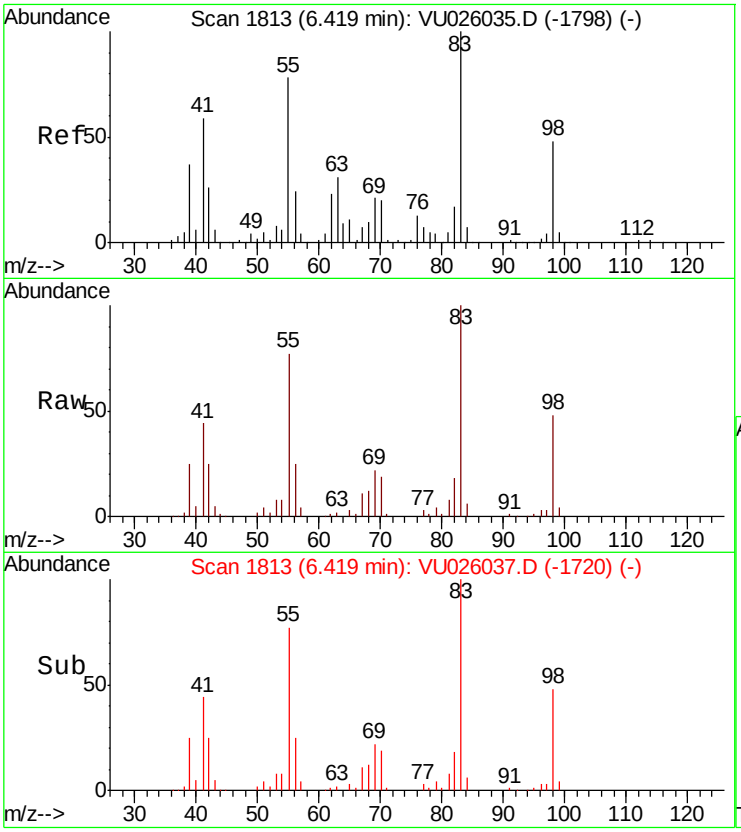


#31
Carbon tetrachloride
Concen: 51.079 ug/L
RT: 5.14 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Tgt Ion:117 Resp: 162665

Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.3	114.5



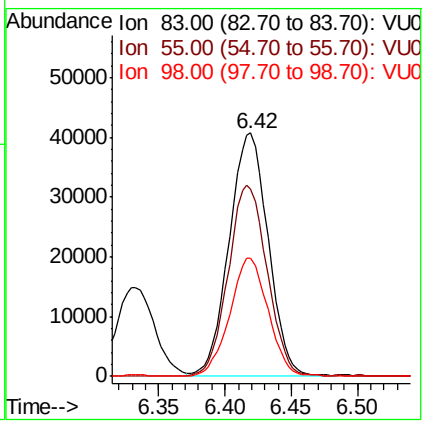


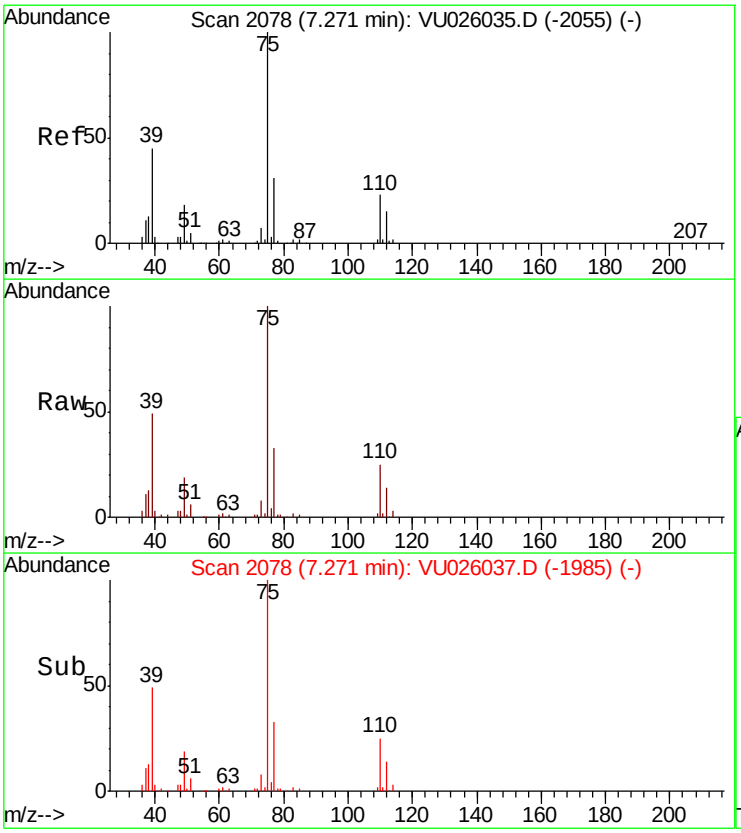
#35
Methylcyclohexane
Concen: 26.717 ug/L
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Instrument :
MSVOA_U
ClientSampleId :
A4ZG9

Tgt Ion: 83 Resp: 83901

Ion	Ratio	Lower	Upper
83	100		
55	77.8	61.0	91.6
98	47.4	38.1	57.1

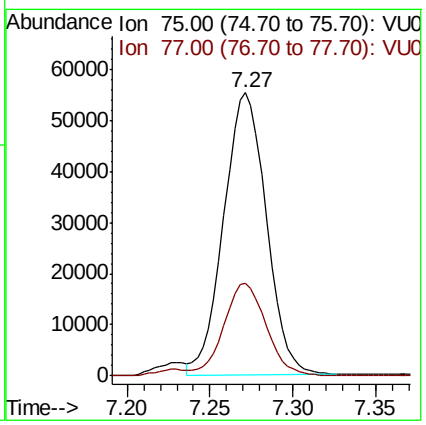


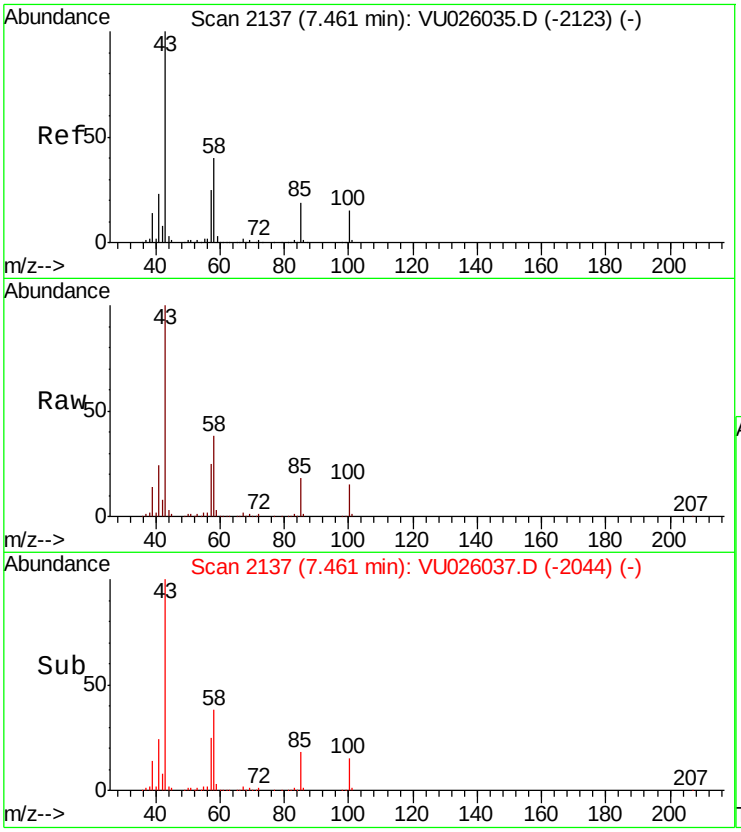


#39
cis-1,3-Dichloropropene
Concen: 30.193 ug/L
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Tgt Ion: 75 Resp: 98572

Ion	Ratio	Lower	Upper
75	100		
77	32.7	22.1	41.1



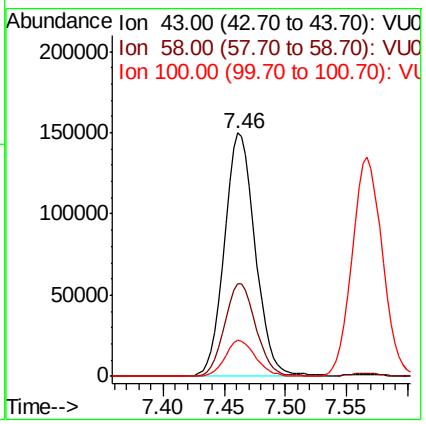


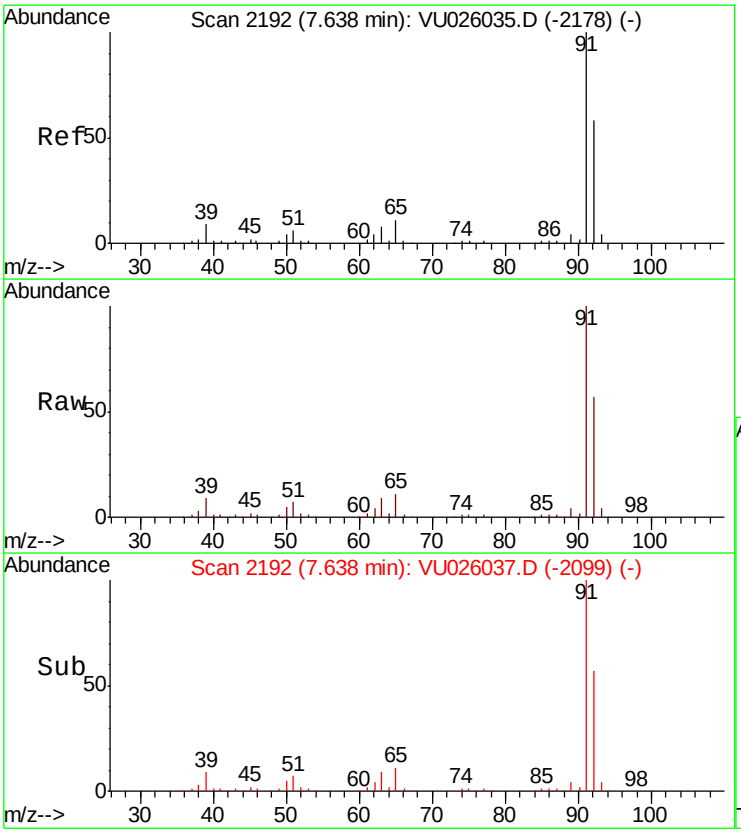
#40
4-Methyl-2-pentanone
Concen: 89.790 ug/L
RT: 7.46 min Scan# 2137
Delta R.T. 0.00 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Instrument :
MSVOA_U
ClientSampleId :
A4ZG9

Tgt Ion: 43 Resp: 265751

Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.6	46.0
100	14.7	11.8	17.6

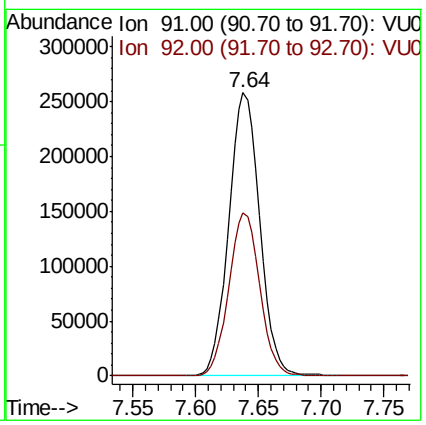


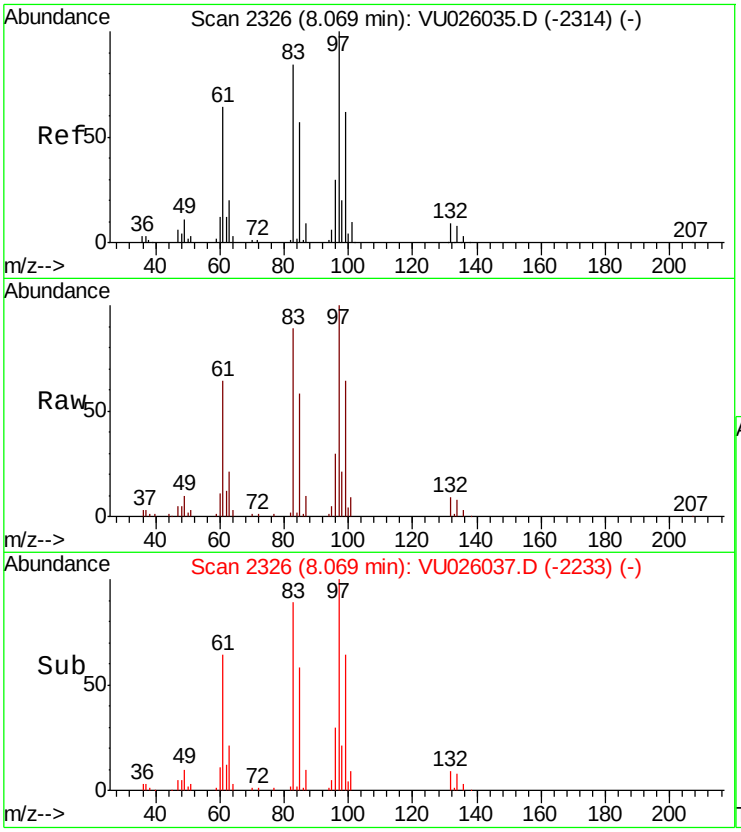


#42
Toluene
Concen: 53.090 ug/L
RT: 7.64 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Tgt Ion: 91 Resp: 443626

Ion	Ratio	Lower	Upper
91	100		
92	57.5	41.0	76.2



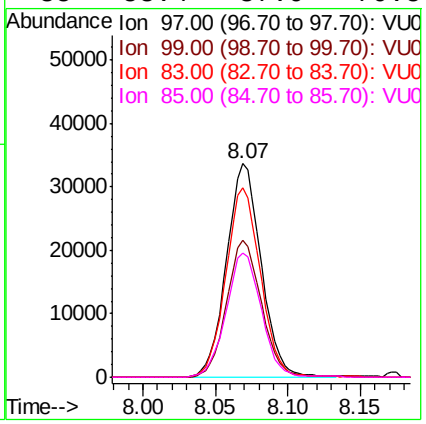


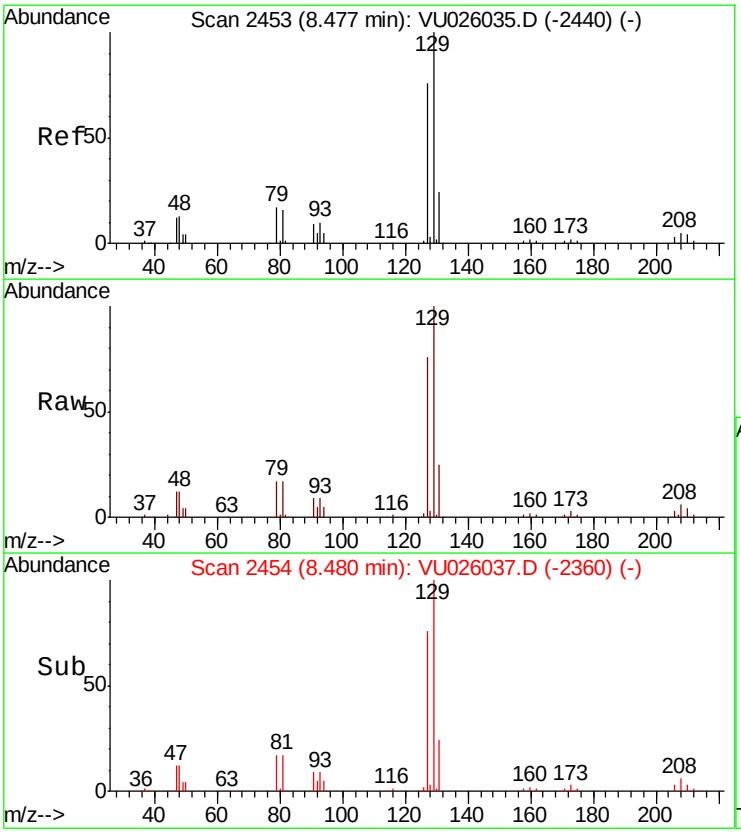
#45
1,1,2-Trichloroethane
Concen: 27.221 ug/L
RT: 8.07 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Instrument :
MSVOA_U
ClientSampleId :
A4ZG9

Tgt Ion: 97 Resp: 55903

Ion	Ratio	Lower	Upper
97	100		
99	64.0	41.6	77.2
83	88.9	59.0	109.6
85	58.4	37.9	70.5

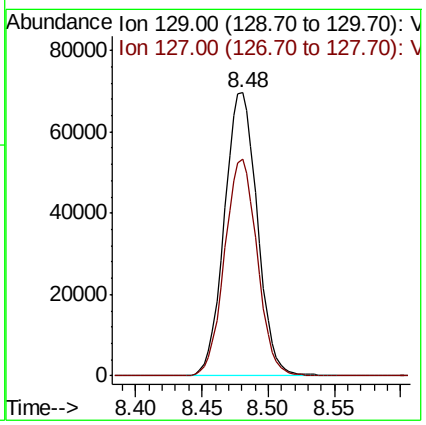


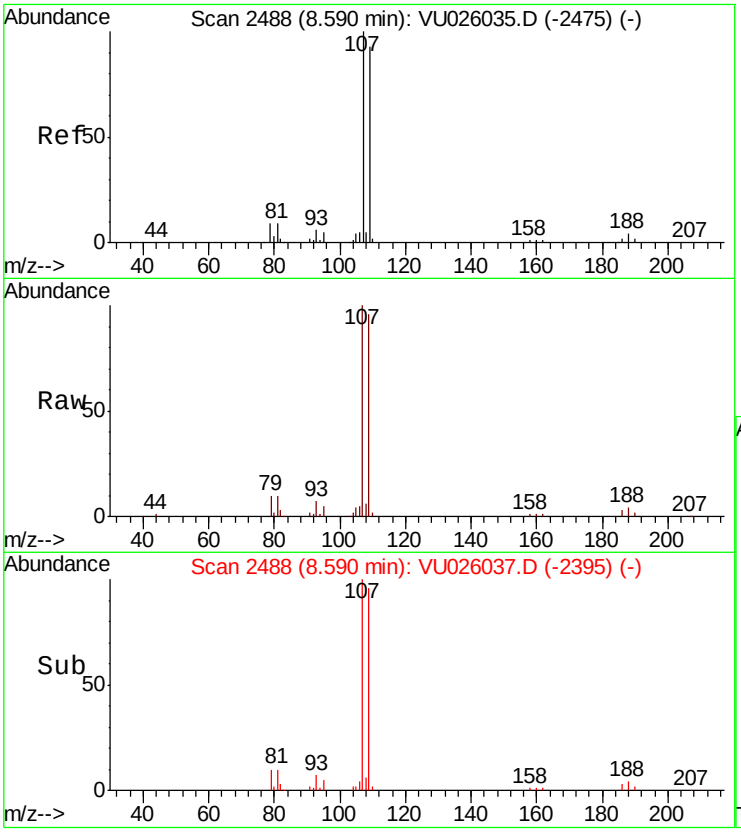


#49
Dibromochloromethane
Concen: 48.566 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Tgt Ion:129 Resp: 120271

Ion	Ratio	Lower	Upper
129	100		
127	76.5	53.5	99.3



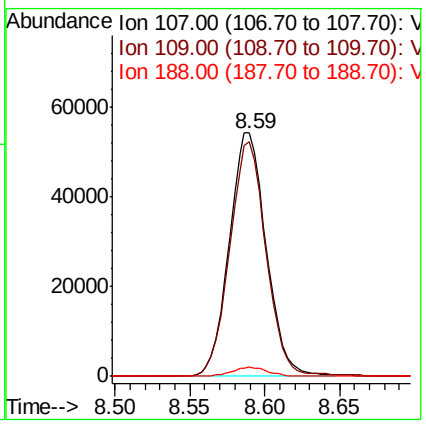


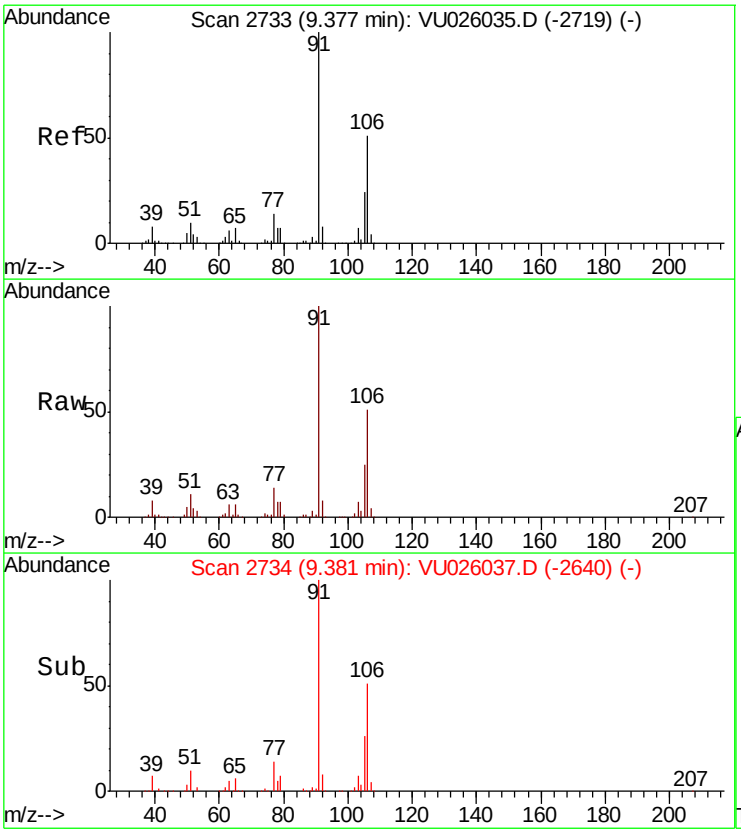
#50
1,2-Dibromoethane
Concen: 41.740 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Instrument :
MSVOA_U
ClientSampleId :
A4ZG9

Tgt Ion:107 Resp: 93358

Ion	Ratio	Lower	Upper
107	100		
109	96.5	66.1	122.7
188	3.7	2.9	4.3

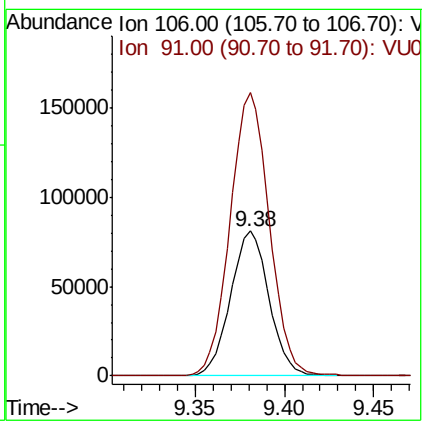


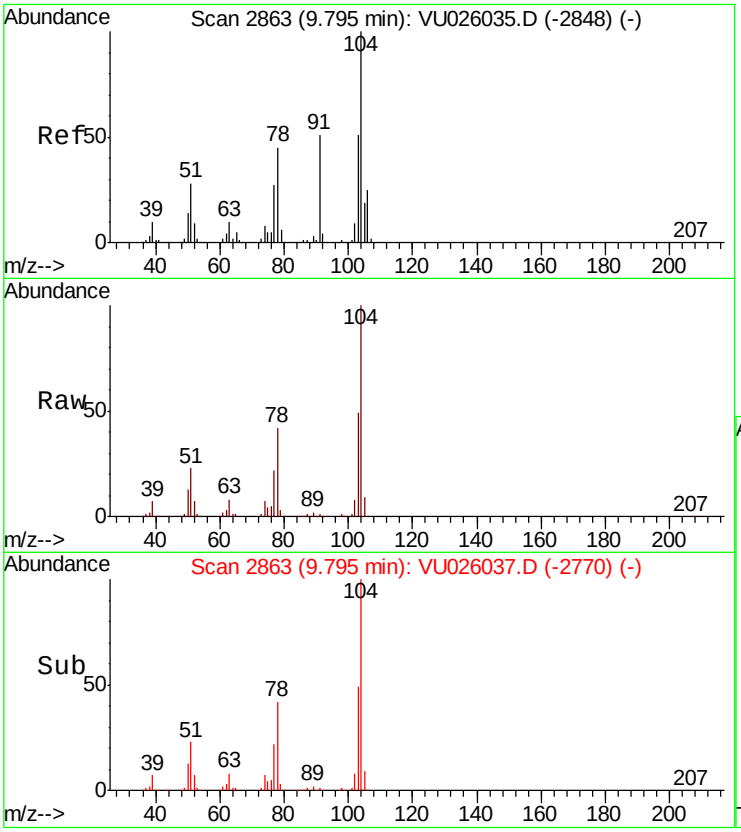


#53
m,p-Xylene
Concen: 34.939 ug/L
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Tgt Ion:106 Resp: 122074

Ion	Ratio	Lower	Upper
106	100		
91	195.8	141.3	262.5



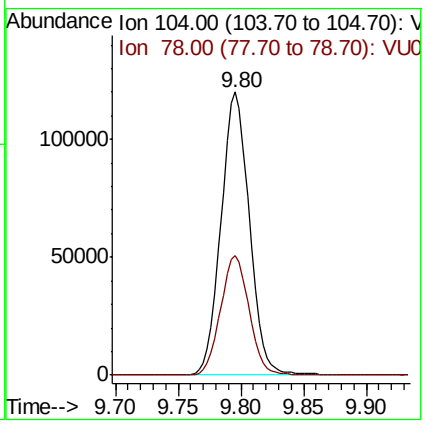


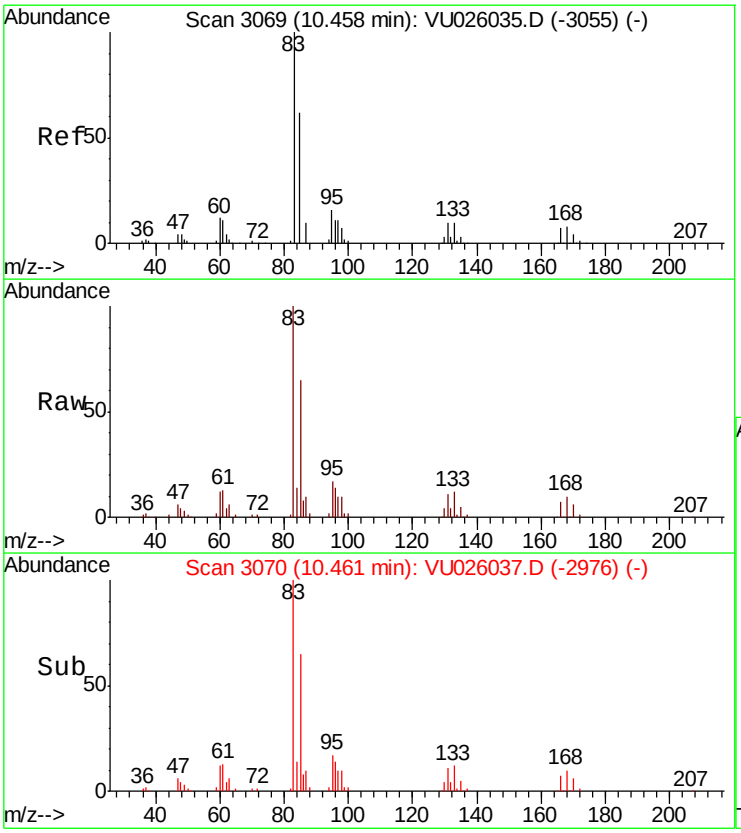
#55
Stvrene
Concen: 32.671 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Instrument :
MSVOA_U
ClientSampleId :
A4ZG9

Tgt Ion:104 Resp: 188617

Ion	Ratio	Lower	Upper
104	100		
78	42.5	32.1	59.5

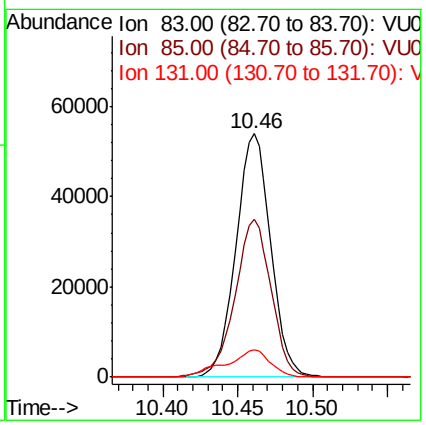


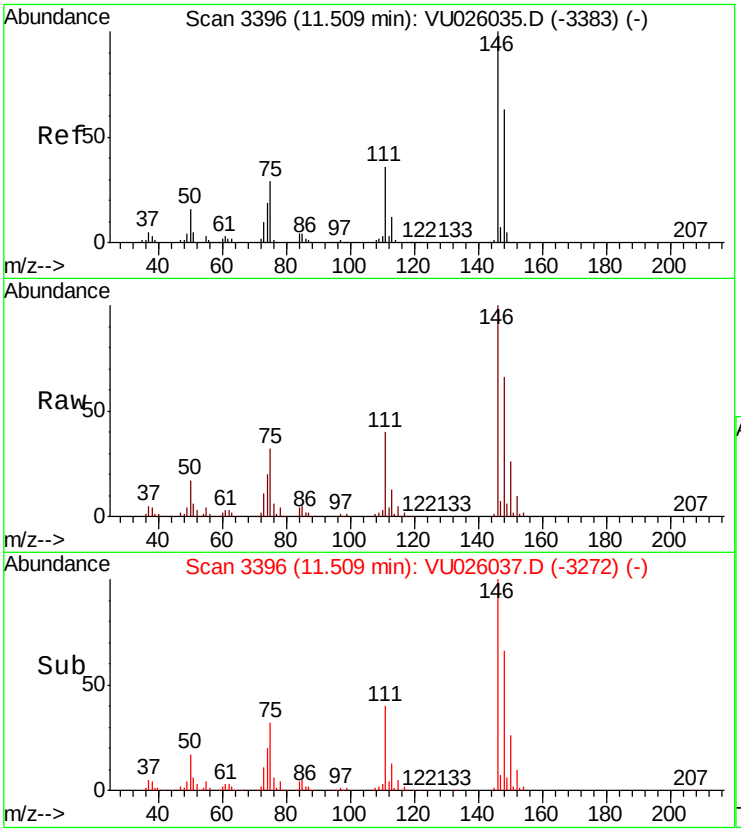


#58
1,1,2,2-Tetrachloroethane
Concen: 24.955 ug/L
RT: 10.46 min Scan# 3070
Delta R.T. 0.00 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Tgt Ion: 83 Resp: 87101

Ion	Ratio	Lower	Upper
83	100		
85	64.8	45.0	83.6
131	11.3	8.6	12.8



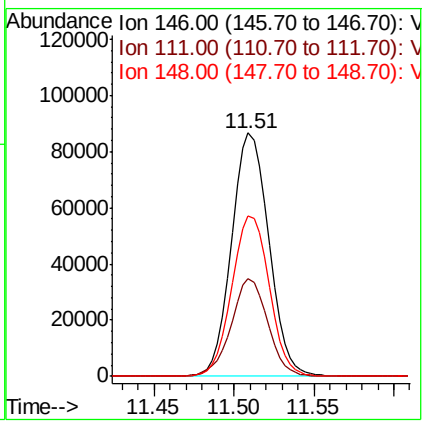


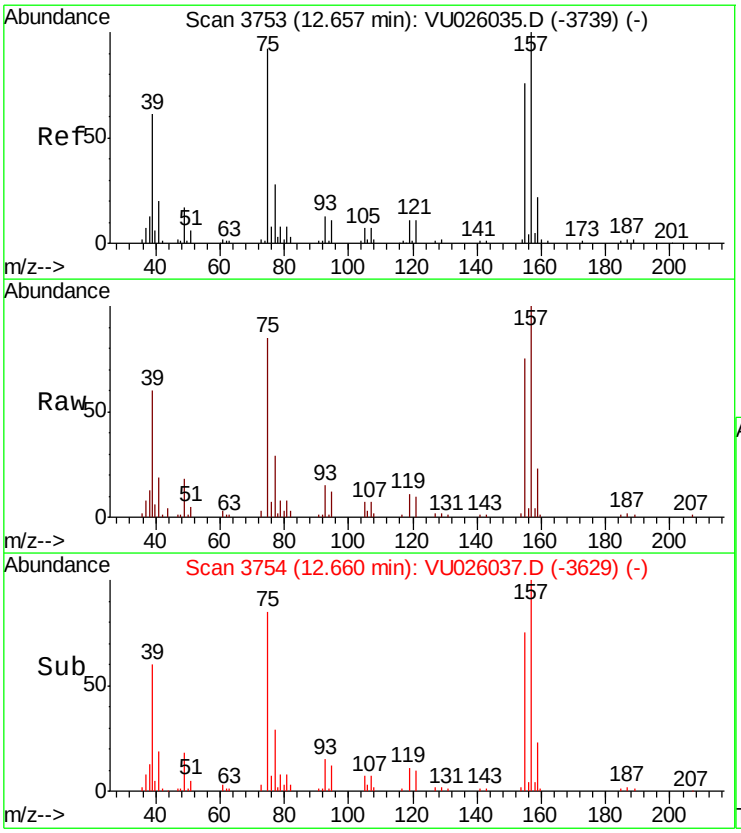
#63
1,4-Dichlorobenzene
Concen: 29.798 ug/L
RT: 11.51 min Scan# 3396
Delta R.T. 0.00 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Instrument : MSVOA_U
ClientSampleId : A4ZG9

Tgt Ion:146 Resp: 137357

Ion	Ratio	Lower	Upper
146	100		
111	40.3	26.4	49.0
148	65.7	43.8	81.4

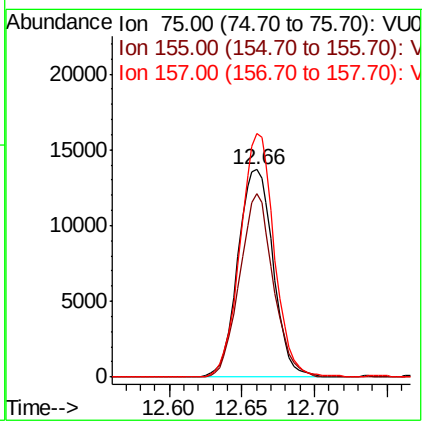


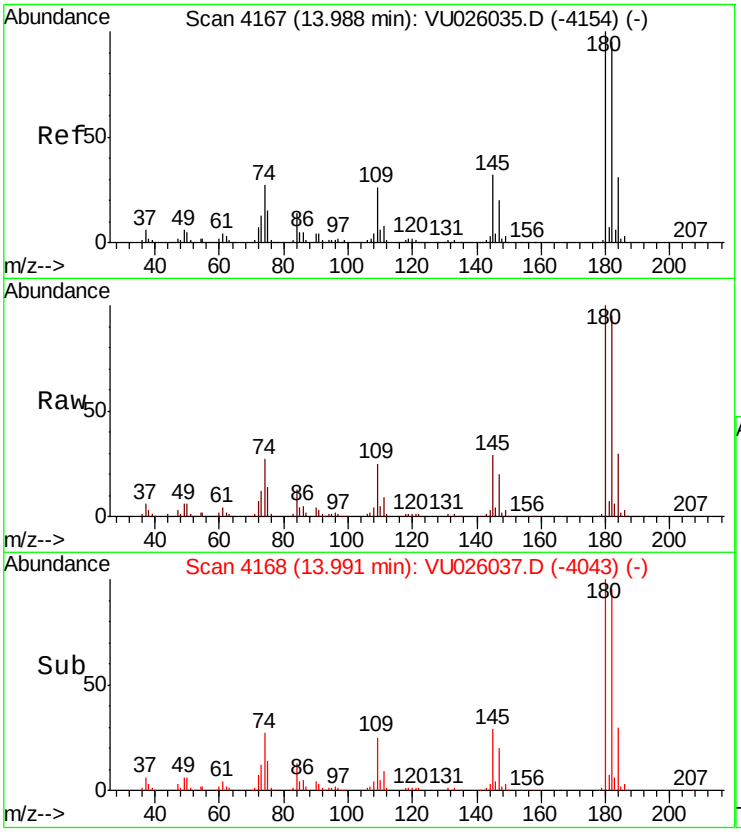


#66
1,2-Dibromo-3-chloropropane
Concen: 28.112 ug/L
RT: 12.66 min Scan# 3754
Delta R.T. 0.00 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Tgt Ion: 75 Resp: 23094

Ion	Ratio	Lower	Upper
75	100		
155	88.6	71.8	107.8
157	117.5	93.0	139.6





#70
1,2,3-Trichlorobenzene
Concen: 44.156 ug/L
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU026037.D
Acq: 10 Aug 2018 12:36

Instrument :
MSVOA_U
ClientSampleId :
A4ZG9

Tgt Ion:180 Resp: 131897

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.5	114.7
145	30.1	24.7	37.1