Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Time: Dec 01 00:47:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 30 23:11:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	202419	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	199492	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	105817	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	357150	197.21	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 394.42%#			
7) Chloroethane-d5	1.71	69	784	0.56	ug/L	0.04
Spiked Amount 50.000	Range 70 - 130		Recovery = 1.12%#			
11) 1,1-Dichloroethene-d2	2.24	63	484754	150.52	ug/L	-0.04
Spiked Amount 50.000	Range 60 - 125		Recovery = 301.04%#			
21) 2-Butanone-d5	4.19	46	609879	410.33	ug/L	0.01
Spiked Amount 100.000	Range 40 - 130		Recovery = 410.33%#			
24) Chloroform-d	4.64	84	582330	199.33	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 398.66%#			
26) 1,2-Dichloroethane-d4	5.30	65	404270	203.20	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 406.40%#			
32) Benzene-d6	5.33	84	1245589	200.55	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 401.10%#			
36) 1,2-Dichloropropane-d6	6.32	67	452900	202.13	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 404.26%#			
41) Toluene-d8	7.56	98	1107215	196.73	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 393.46%#			
43) trans-1,3-Dichloropropene-	7.85	79	208263	205.83	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 411.66%#			
47) 2-Hexanone-d5	8.32	63	465352	429.96	ug/L	0.01
Spiked Amount 100.000	Range 45 - 130		Recovery = 429.96%#			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	643257	224.56	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 449.12%#			
64) 1,2-Dichlorobenzene-d4	11.86	152	439133	206.35	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 412.70%#			

Target Compounds						Qvalue
3) Chloromethane	1.32	50	11635	4.449	ug/L	94
6) Bromomethane	1.60	94	3622	5.753	ug/L	99
9) Trichlorofluoromethane	2.24	101	3497	1.535	ug/L #	39
10) 1,1,2-Trichloro-1,2,2-trif	2.24	101	3497	2.645	ug/L #	23
12) 1,1-Dichloroethene	2.24	96	3515	2.752	ug/L #	1
13) Acetone	2.34	43	3572	2.310	ug/L	67
14) Carbon disulfide	2.44	76	5258	1.087	ug/L	96
15) Methyl Acetate	2.61	43	5763	2.519	ug/L #	63
16) Methylene chloride	2.69	84	1904	1.151	ug/L	85
17) trans-1,2-Dichloroethene	2.96	96	552	0.381	ug/L	78
27) 1,2-Dichloroethane	5.39	62	2404	1.014	ug/L	98
29) Cyclohexane	4.98	56	20359	6.288	ug/L	90
33) Benzene	5.38	78	201917	29.465	ug/L	100
35) Methylcyclohexane	6.40	83	40276	14.120	ug/L	93
39) cis-1,3-Dichloropropene	7.22	75	11425	3.960	ug/L #	50
42) Toluene	7.64	91	64778	9.288	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	8521	3.223	ug/L #	79

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Time: Dec 01 00:47:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 30 23:11:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 1,1,2-Trichloroethane	8.04	97	6702	4.242	ug/L	#	19
52) Ethylbenzene	9.25	91	32086	4.165	ug/L		98
53) m,p-Xylene	9.38	106	25866	9.414	ug/L		89
54) o-xylene	9.78	106	15543	5.711	ug/L		95
55) Styrene	9.80	104	2459	0.527	ug/L	#	63
56) Isopropylbenzene	10.17	105	6000	0.836	ug/L	#	94
62) 1,3-Dichlorobenzene	11.42	146	1869	0.542	ug/L	#	77
63) 1,4-Dichlorobenzene	11.51	146	2450	0.705	ug/L	#	78
68) 1,2,4-trichlorobenzene	13.50	180	2421	1.025	ug/L	#	83
69) Naphthalene	13.74	128	23885	2.899	ug/L		98
70) 1,2,3-Trichlorobenzene	13.99	180	1652	0.694	ug/L	#	81

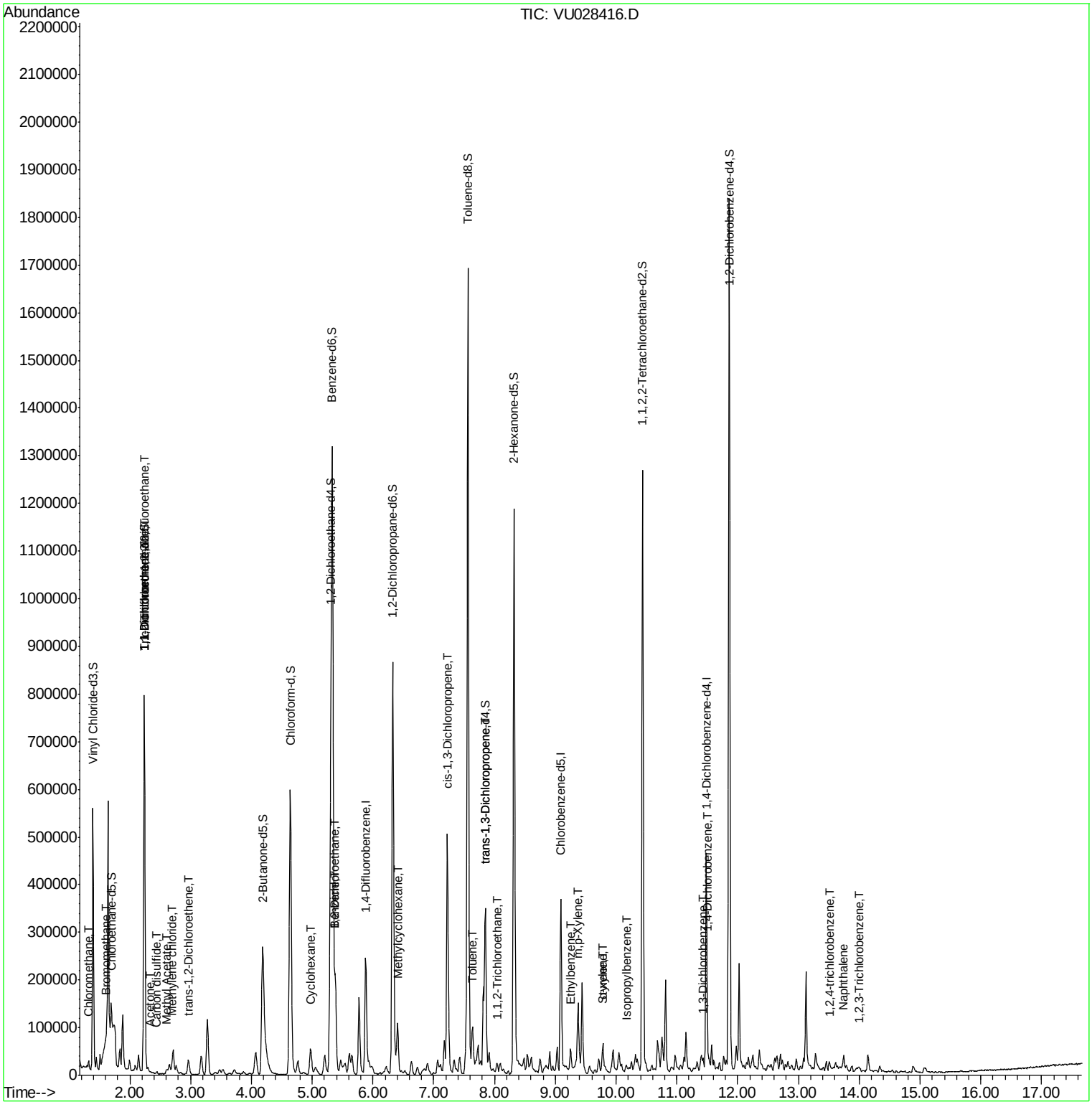
(#) = qualifier out of range (m) = manual integration (+) = signals summed

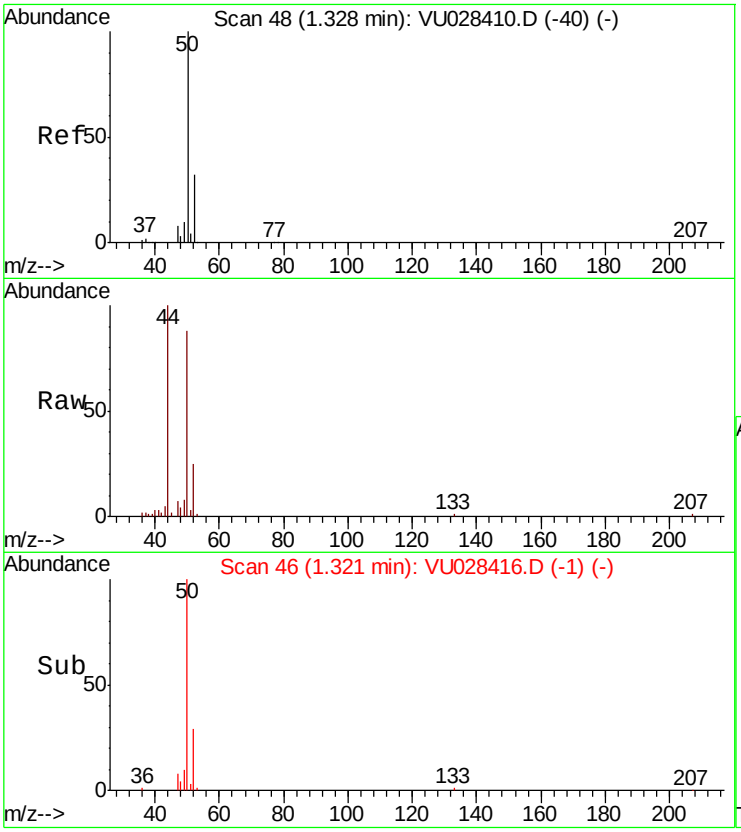
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Time: Dec 01 00:47:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 30 23:11:27 2018
Response via : Initial Calibration



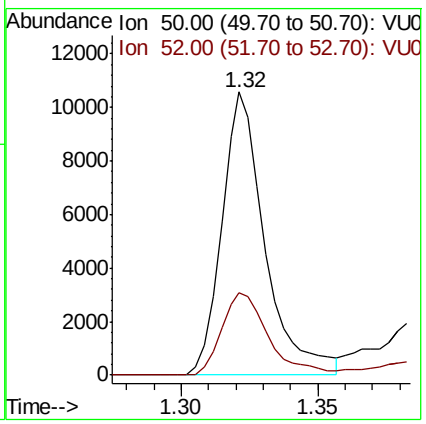


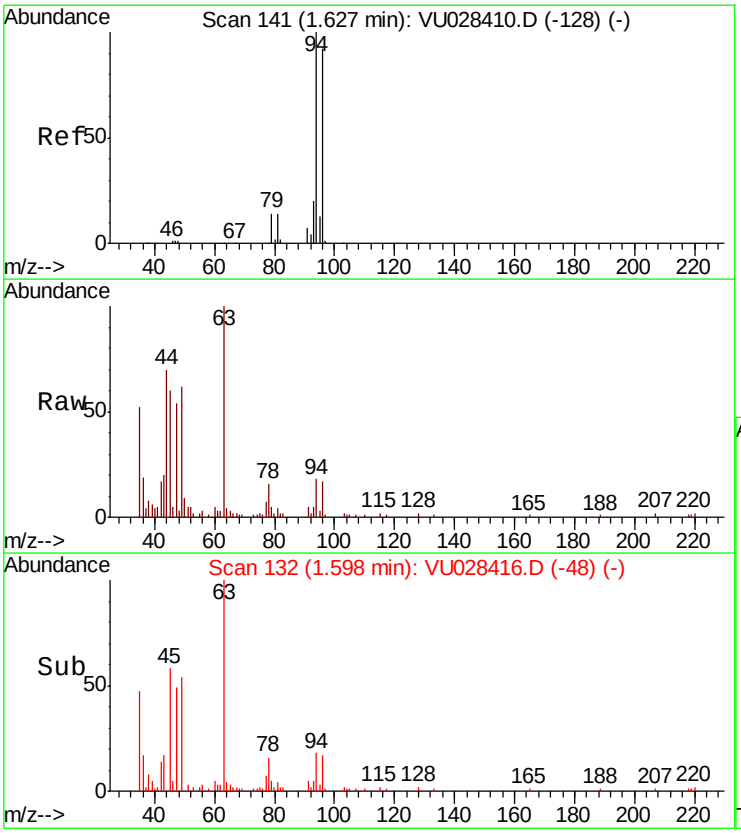
#3
Chloromethane
Concen: 4.449 ug/L
RT: 1.32 min Scan# 46
Delta R.T. -0.01 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Instrument :
MSVOA_U
ClientSampleId :
F9Y38

Tgt Ion: 50 Resp: 11635

Ion	Ratio	Lower	Upper
50	100		
52	28.9	22.6	42.0

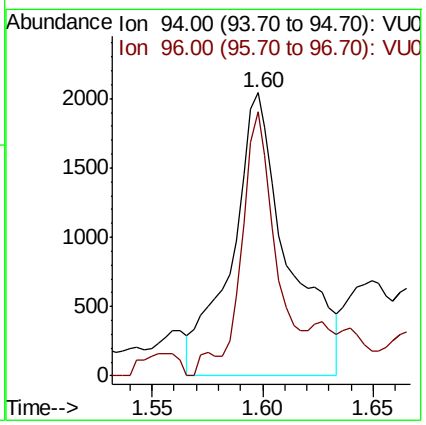


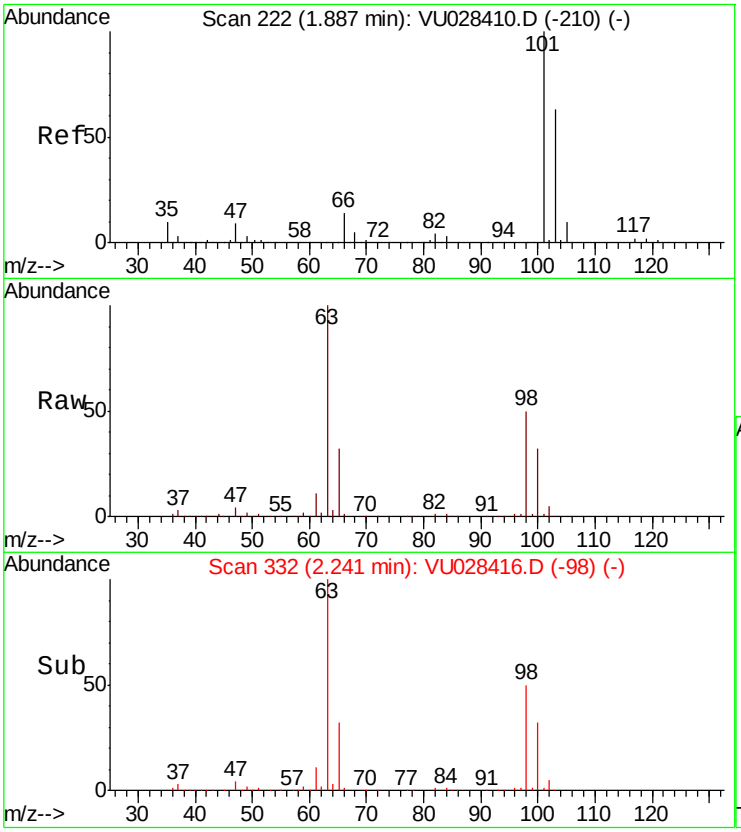


#6
Bromomethane
Concen: 5.753 ug/L
RT: 1.60 min Scan# 132
Delta R.T. -0.03 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Tgt Ion: 94 Resp: 3622

Ion	Ratio	Lower	Upper
94	100		
96	93.2	64.5	119.9



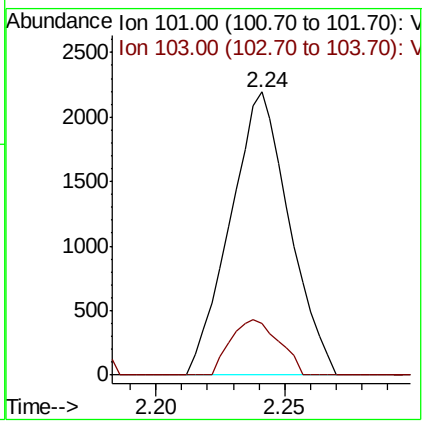


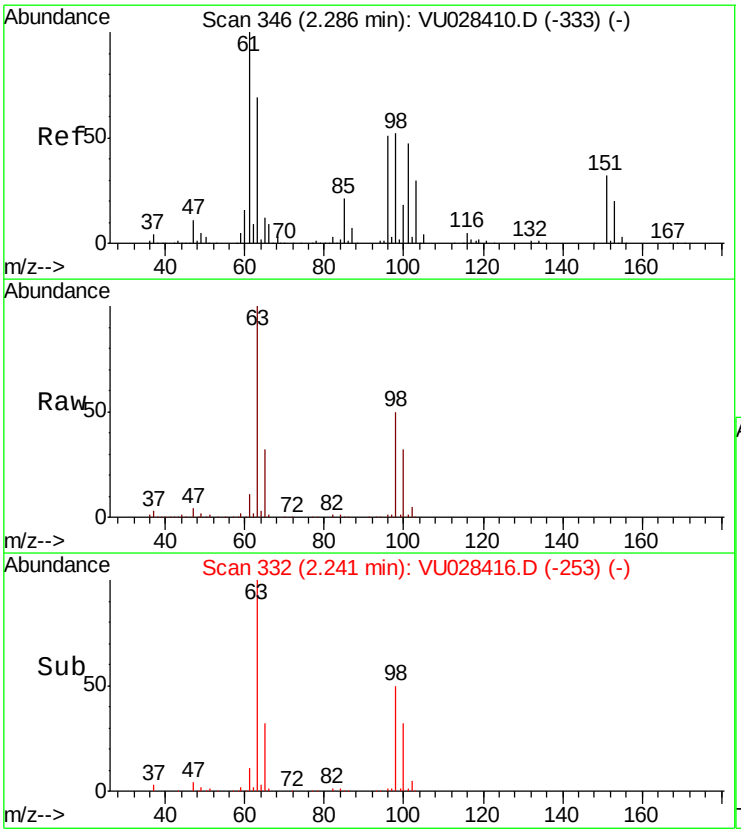
#9
Trichlorofluoromethane
Concen: 1.535 ug/L
RT: 2.24 min Scan# 332
Delta R.T. 0.35 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Instrument :
MSVOA_U
ClientSampleId :
F9Y38

Tgt Ion:101 Resp: 3497

Ion	Ratio	Lower	Upper
101	100		
103	16.1	51.0	76.6#

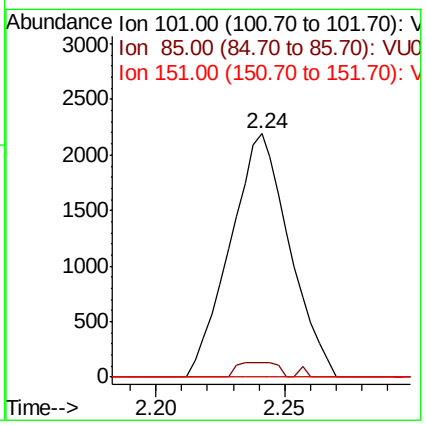


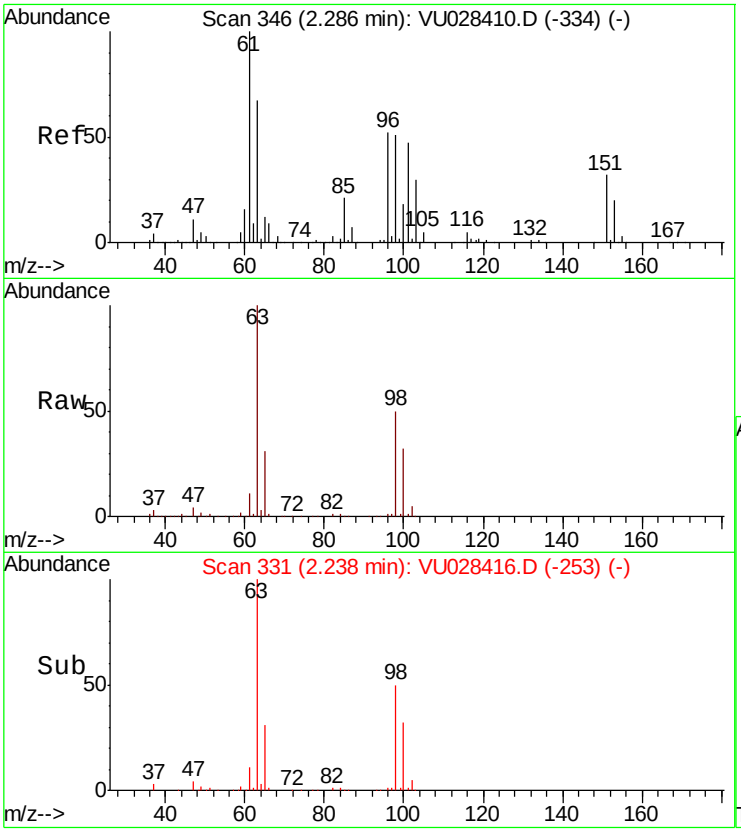


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.645 ug/L
RT: 2.24 min Scan# 332
Delta R.T. -0.04 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Tgt Ion:101 Resp: 3497

Ion	Ratio	Lower	Upper
101	100		
85	2.0	36.5	54.7#
151	0.0	55.0	82.6#



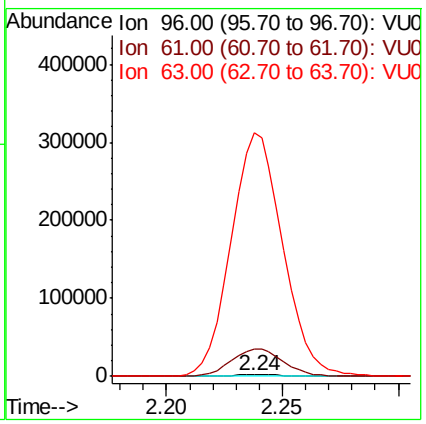


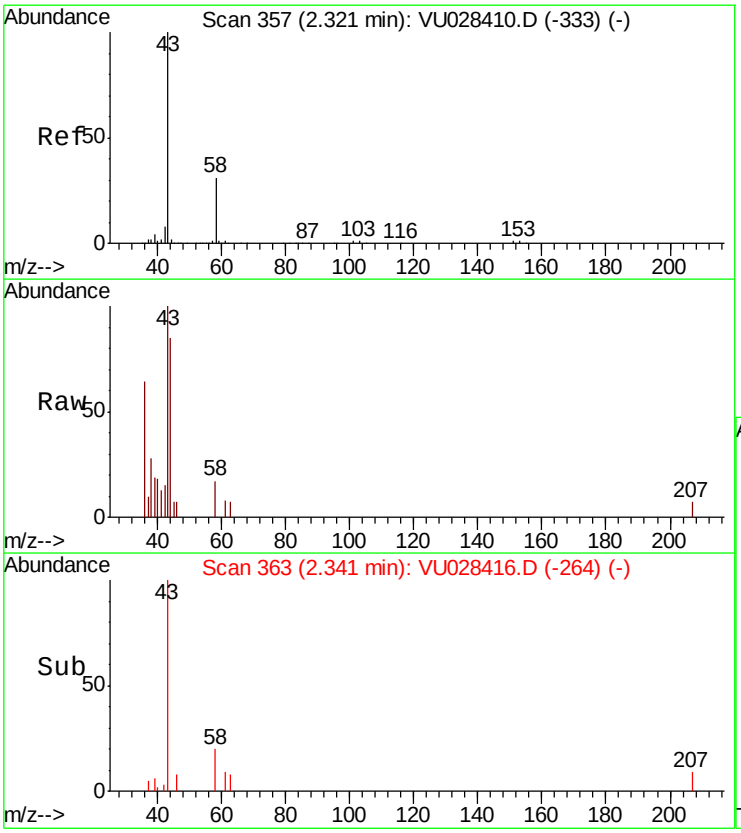
#12
1,1-Dichloroethene
Concen: 2.752 ug/L
RT: 2.24 min Scan# 331
Delta R.T. -0.05 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Instrument : MSVOA_U
ClientSampleId : F9Y38

Tgt Ion: 96 Resp: 3515

Ion	Ratio	Lower	Upper
96	100		
61	1652.0	136.2	252.9#
63	14912.9	95.5	177.4#

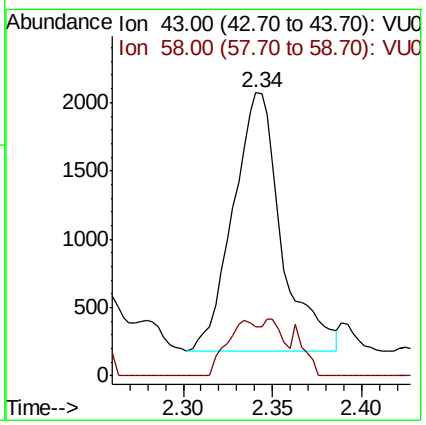


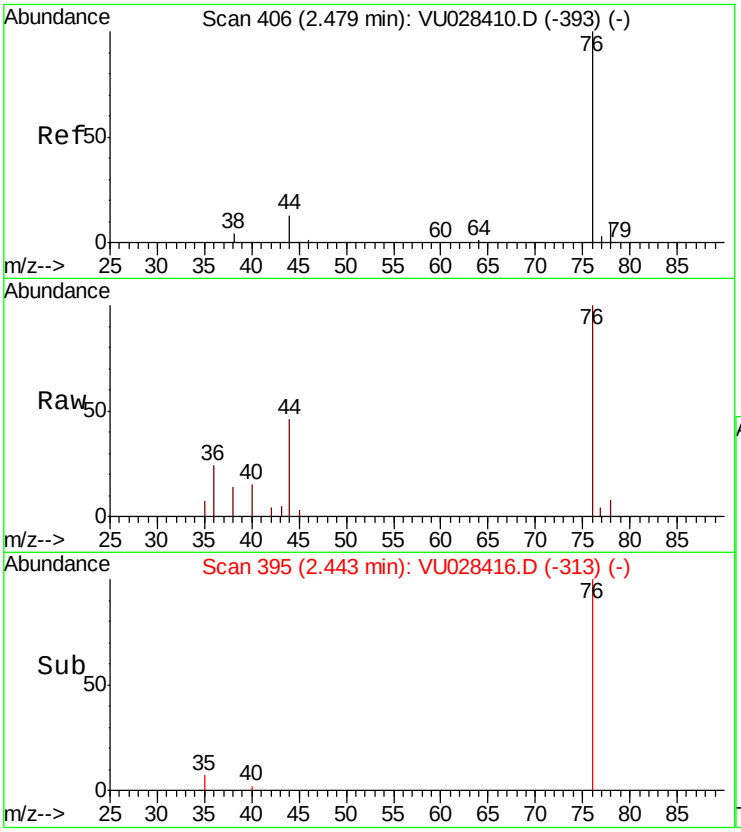


#13
Acetone
Concen: 2.310 ug/L
RT: 2.34 min Scan# 363
Delta R.T. 0.02 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Tgt Ion: 43 Resp: 3572

Ion	Ratio	Lower	Upper
43	100		
58	13.0	0.0	63.0



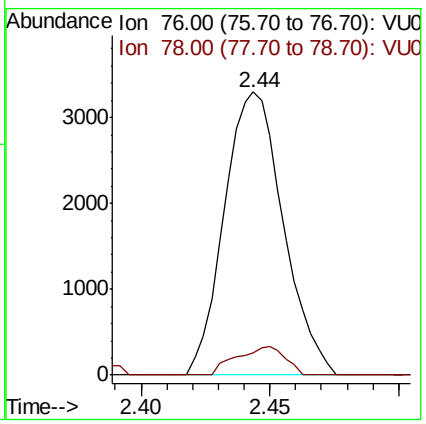


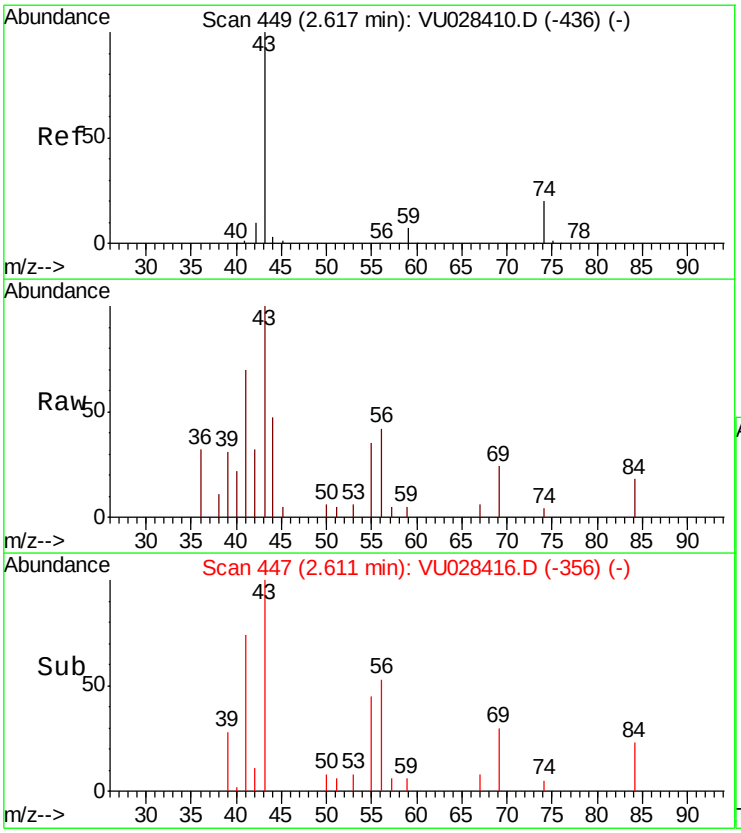
#14
Carbon disulfide
Concen: 1.087 ug/L
RT: 2.44 min Scan# 395
Delta R.T. -0.04 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Instrument :
MSVOA_U
ClientSampleId :
F9Y38

Tgt Ion: 76 Resp: 5258

Ion	Ratio	Lower	Upper
76	100		
78	7.7	7.4	11.0

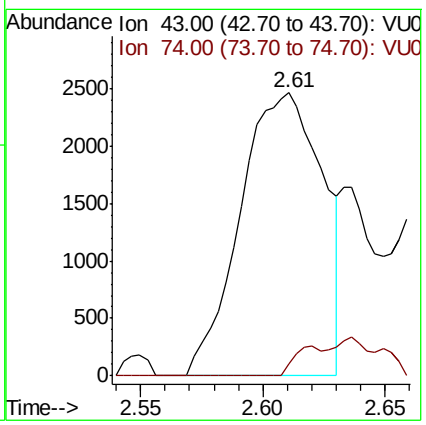


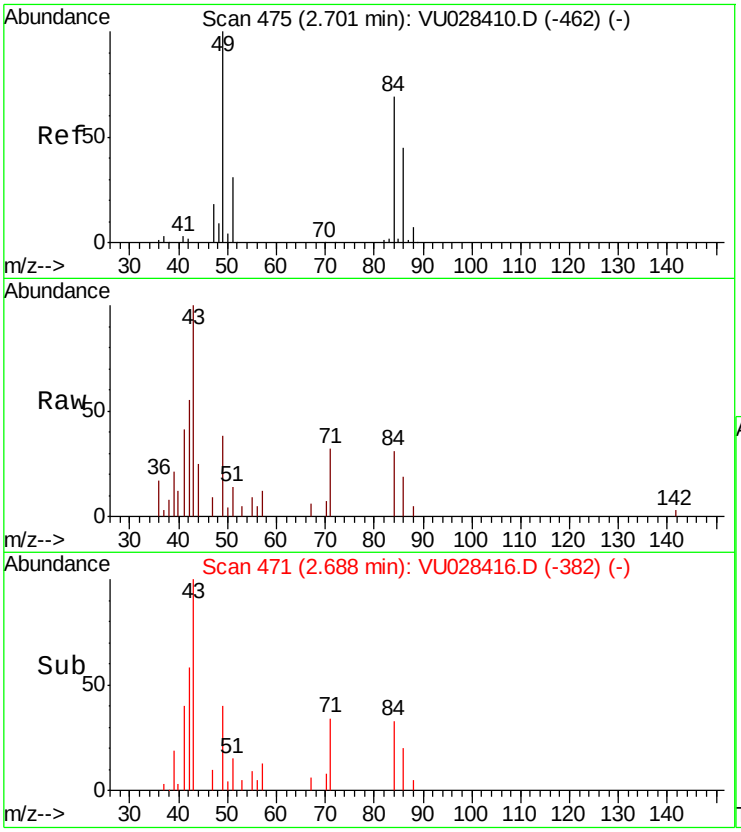


#15
Methyl Acetate
Concen: 2.519 ug/L
RT: 2.61 min Scan# 447
Delta R.T. -0.01 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Tgt Ion: 43 Resp: 5763

Ion	Ratio	Lower	Upper
43	100		
74	3.4	16.2	24.4#



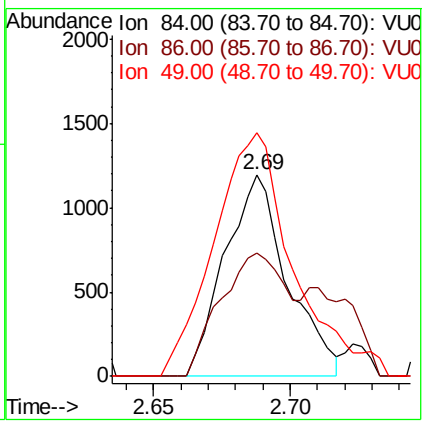


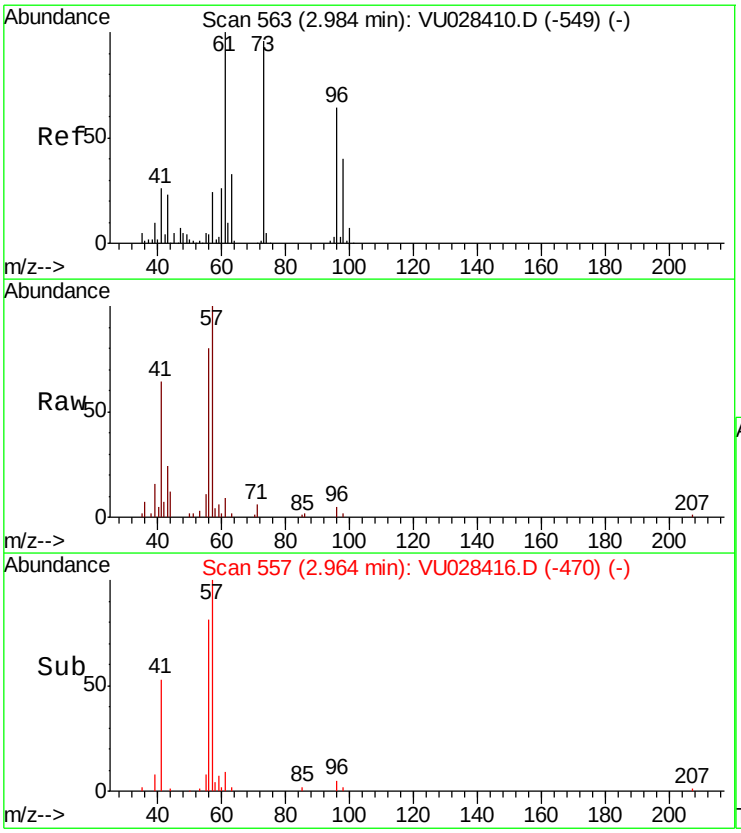
#16
Methylene chloride
Concen: 1.151 ug/L
RT: 2.69 min Scan# 471
Delta R.T. -0.01 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Instrument : MSVOA_U
ClientSampleId : F9Y38

Tgt Ion: 84 Resp: 1904

Ion	Ratio	Lower	Upper
84	100		
86	61.0	45.6	84.8
49	120.8	101.3	188.1

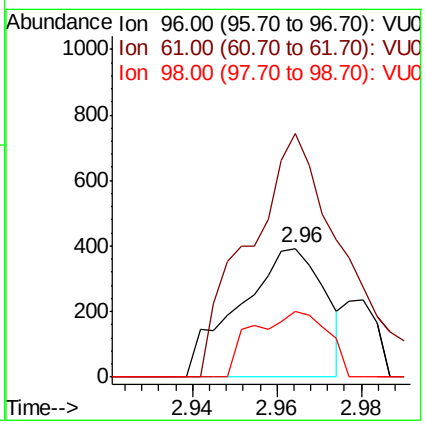


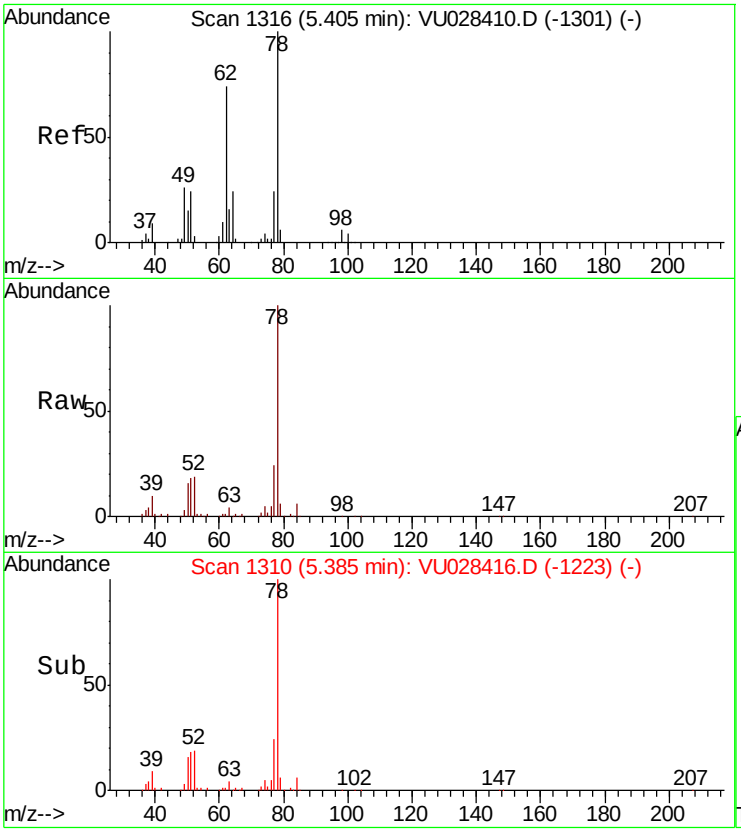


#17
trans-1,2-Dichloroethene
Concen: 0.381 ug/L
RT: 2.96 min Scan# 557
Delta R.T. -0.02 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Tgt Ion: 96 Resp: 552

Ion	Ratio	Lower	Upper
96	100		
61	189.1	109.5	203.3
98	50.6	43.3	80.5



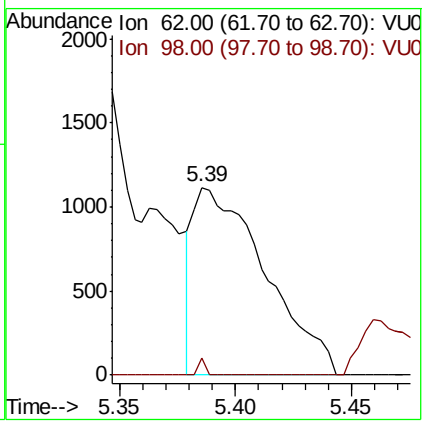


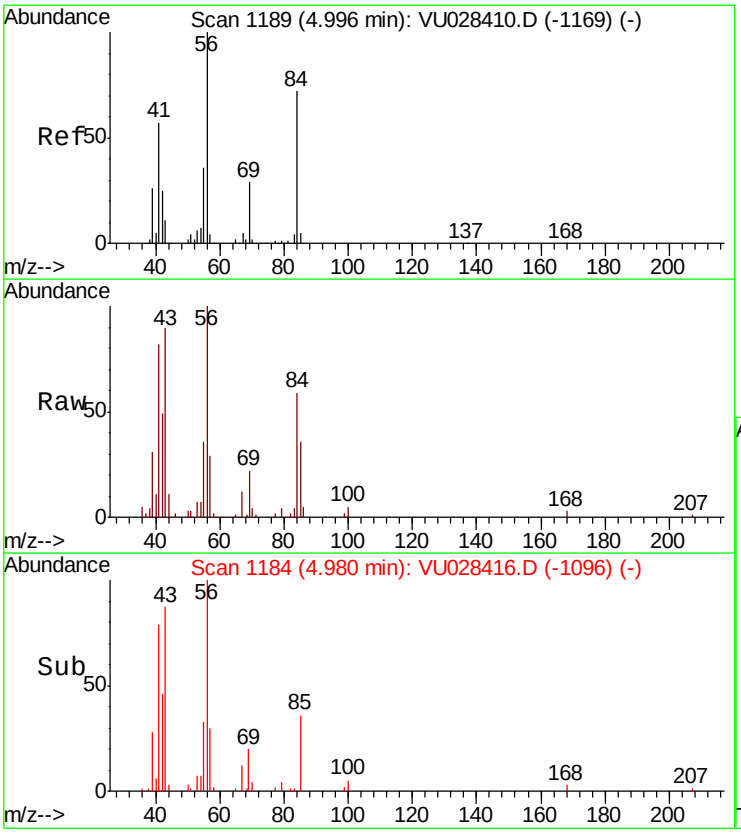
#27
1,2-Dichloroethane
Concen: 1.014 ug/L
RT: 5.39 min Scan# 1310
Delta R.T. -0.02 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Instrument :
MSVOA_U
ClientSampleId :
F9Y38

Tgt Ion: 62 Resp: 2404

Ion	Ratio	Lower	Upper
62	100		
98	9.0	6.7	10.1

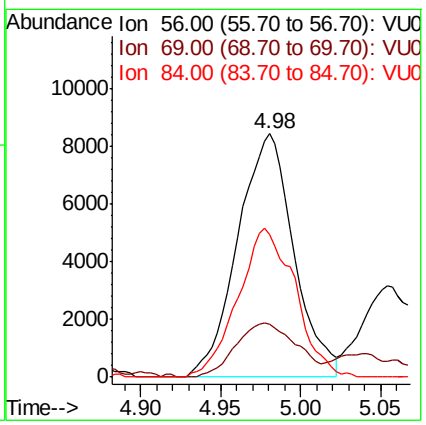


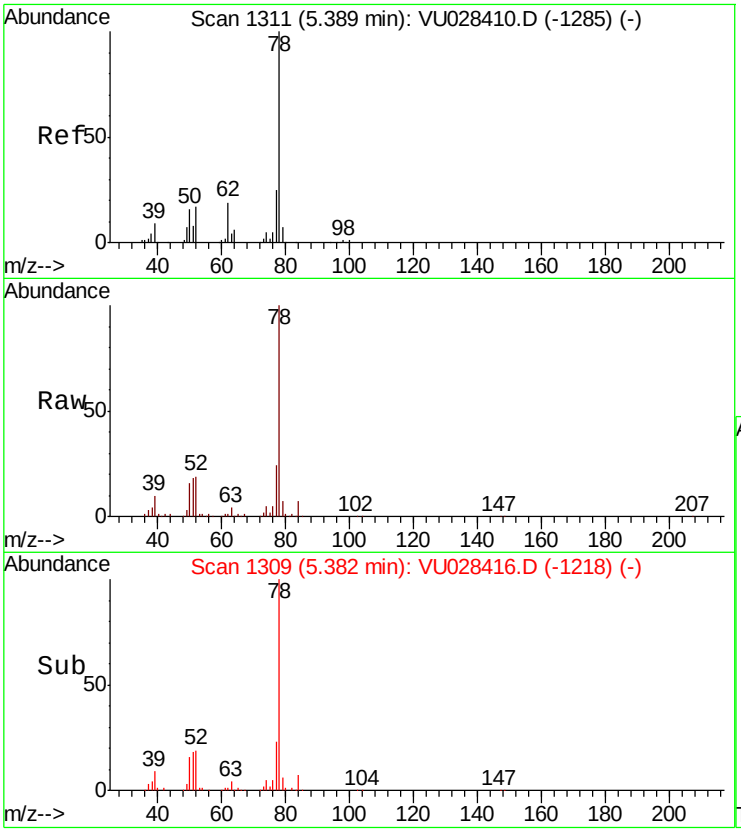


#29
Cyclohexane
Concen: 6.288 ug/L
RT: 4.98 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Tgt Ion: 56 Resp: 20359

Ion	Ratio	Lower	Upper
56	100		
69	24.0	22.5	33.7
84	62.1	56.6	85.0

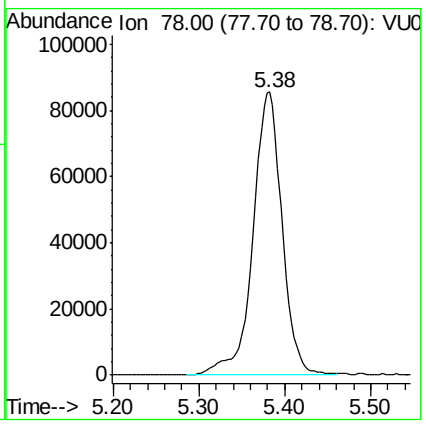


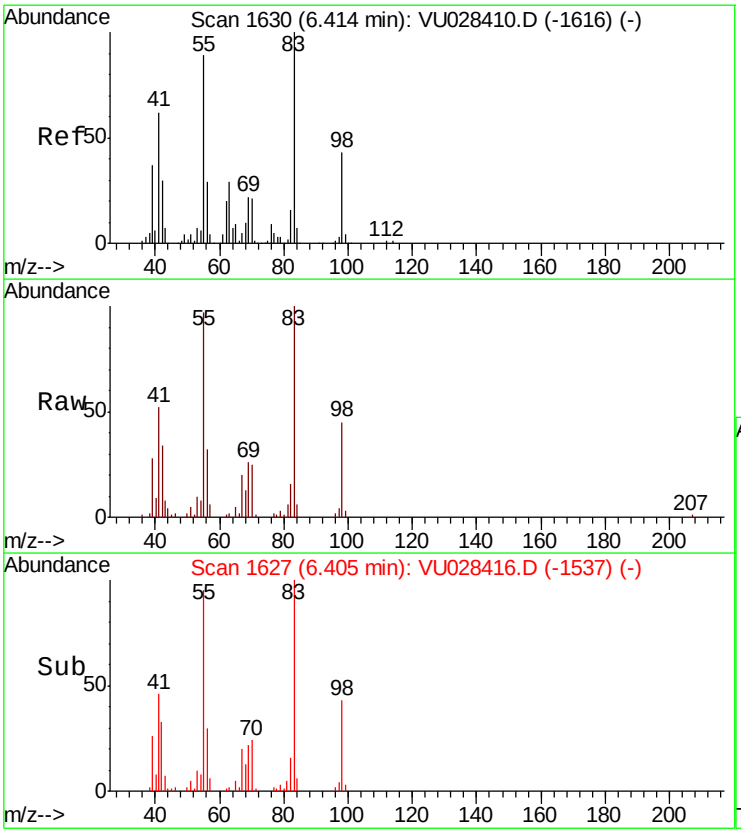


#33
Benzene
Concen: 29.465 ug/L
RT: 5.38 min Scan# 1309
Delta R.T. -0.01 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Instrument :
MSVOA_U
ClientSampleId :
F9Y38

Tgt Ion: 78 Resp: 201917

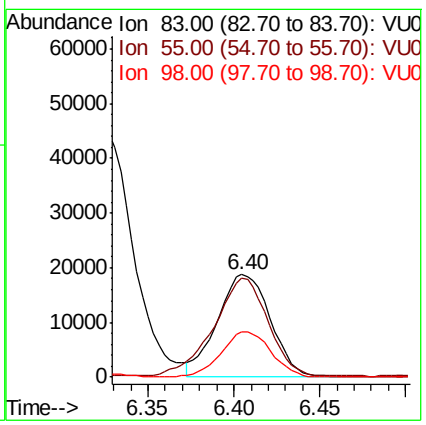


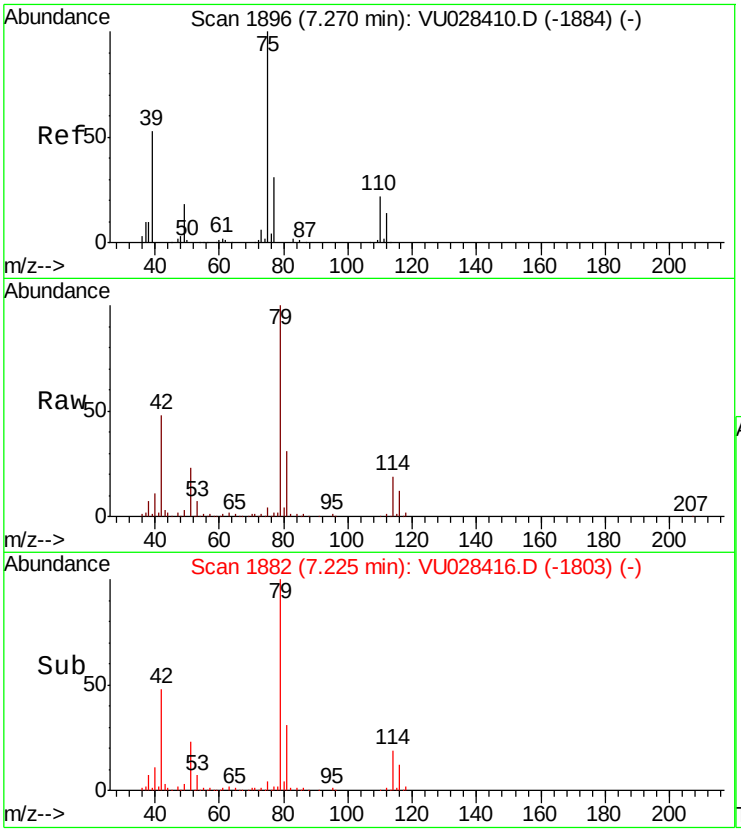


#35
Methylcyclohexane
Concen: 14.120 ug/L
RT: 6.40 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Tgt Ion: 83 Resp: 40276

Ion	Ratio	Lower	Upper
83	100		
55	97.1	70.5	105.7
98	41.5	34.6	52.0



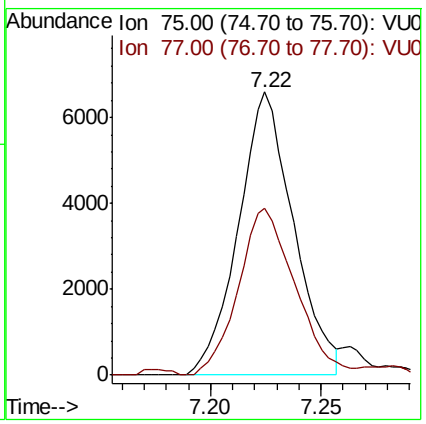


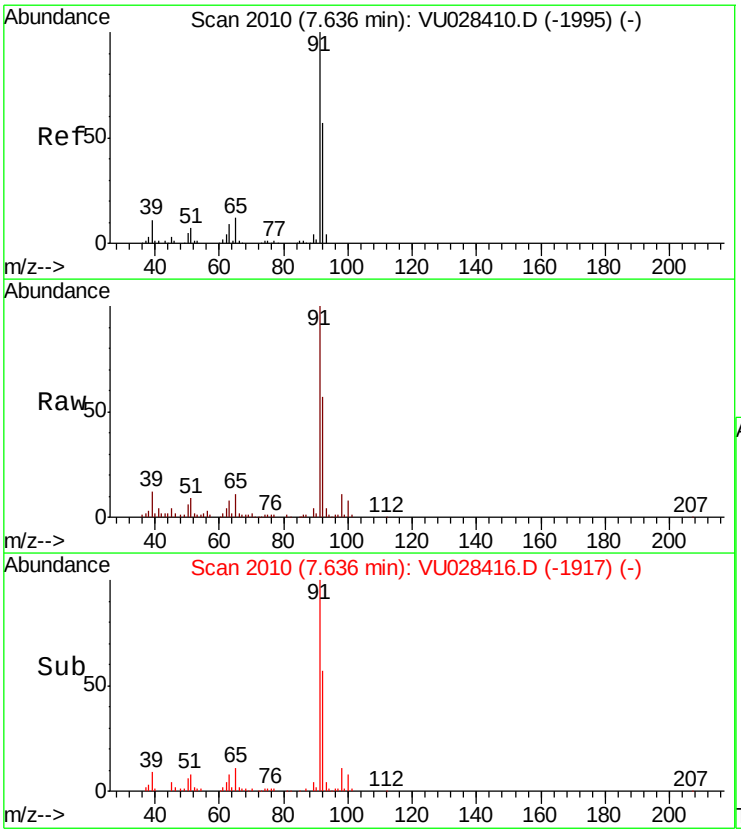
#39
cis-1,3-Dichloropropene
Concen: 3.960 ug/L
RT: 7.22 min Scan# 1882
Delta R.T. -0.04 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Instrument : MSVOA_U
ClientSampleId : F9Y38

Tgt Ion: 75 Resp: 11425

Ion	Ratio	Lower	Upper
75	100		
77	59.0	21.9	40.7#

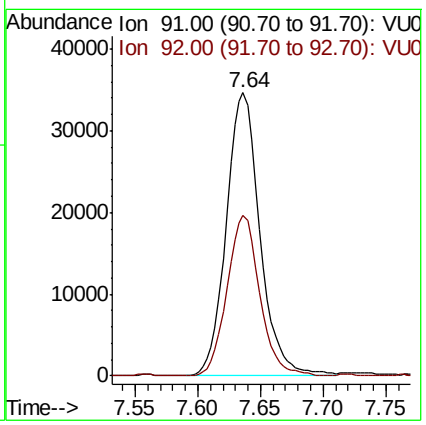


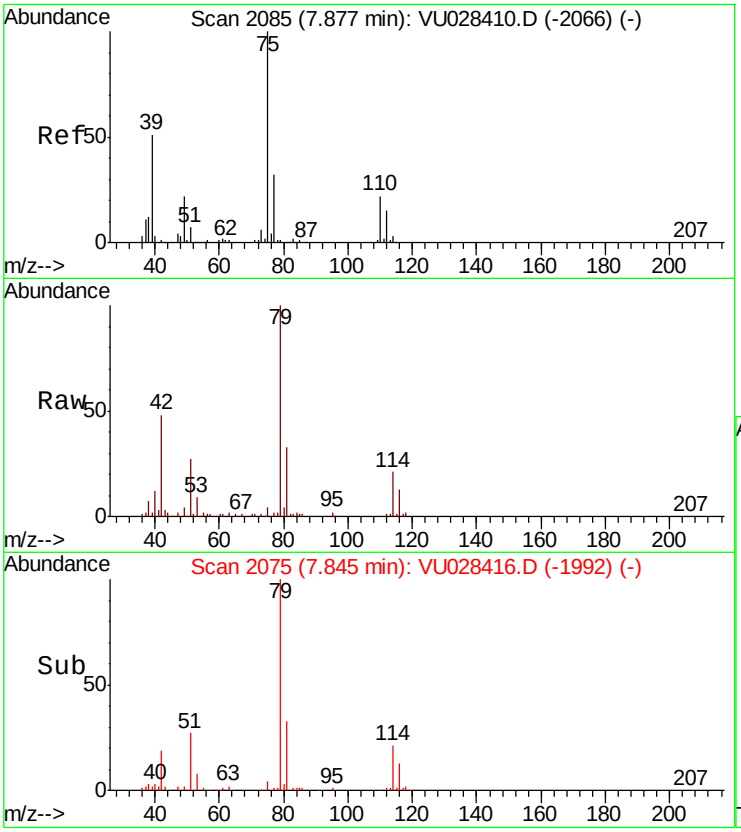


#42
Toluene
Concen: 9.288 ug/L
RT: 7.64 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Tgt Ion: 91 Resp: 64778

Ion	Ratio	Lower	Upper
91	100		
92	56.6	40.1	74.5



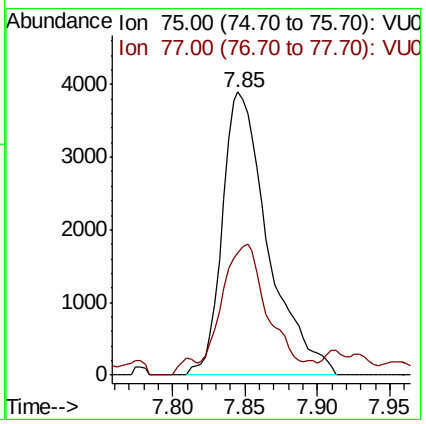


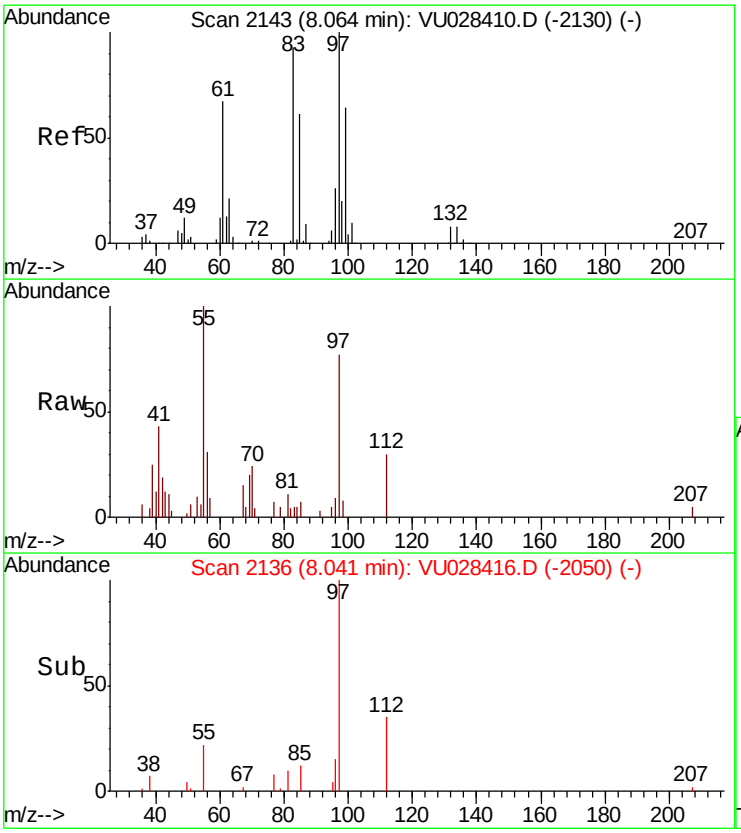
#44
trans-1,3-Dichloropropene
Concen: 3.223 ug/L
RT: 7.85 min Scan# 2075
Delta R.T. -0.03 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Instrument :
MSVOA_U
ClientSampleId :
F9Y38

Tgt Ion: 75 Resp: 8521

Ion	Ratio	Lower	Upper
75	100		
77	43.0	22.1	41.1#

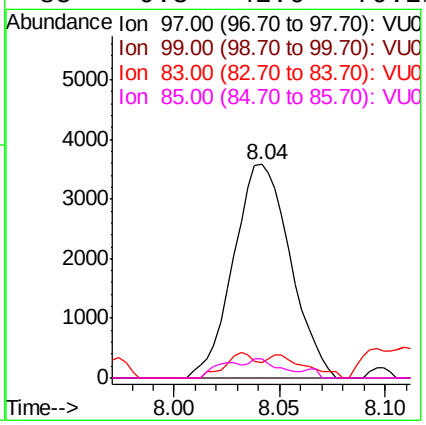


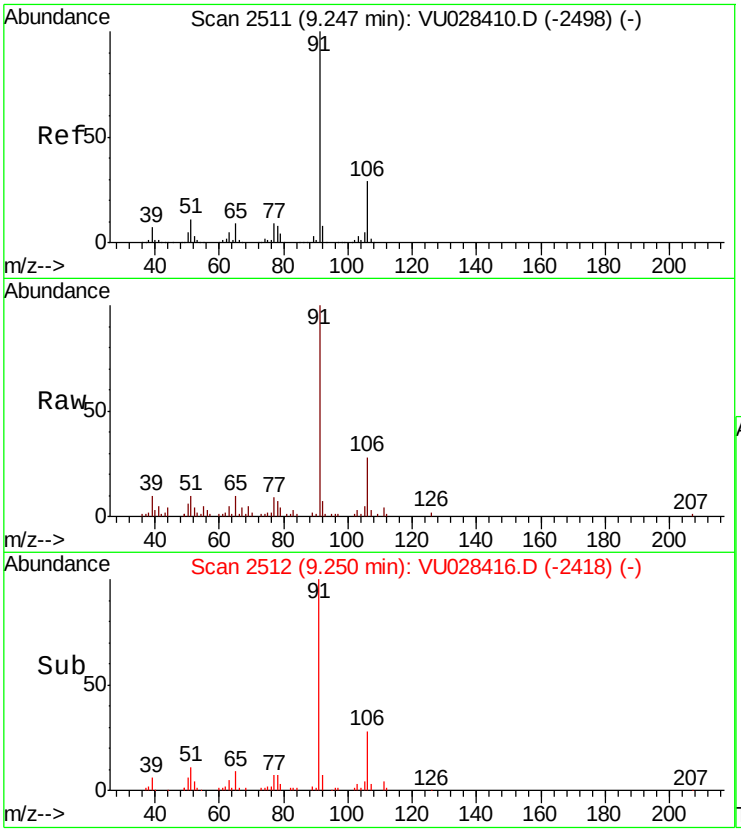


#45
1,1,2-Trichloroethane
Concen: 4.242 ug/L
RT: 8.04 min Scan# 2136
Delta R.T. -0.02 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Tgt Ion: 97 Resp: 6702

Ion	Ratio	Lower	Upper
97	100		
99	0.0	44.9	83.3#
83	7.1	65.1	120.9#
85	9.3	42.6	79.2#



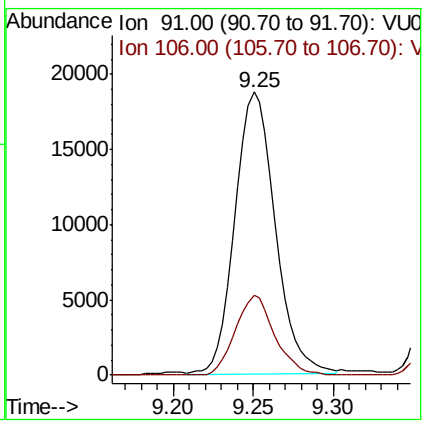


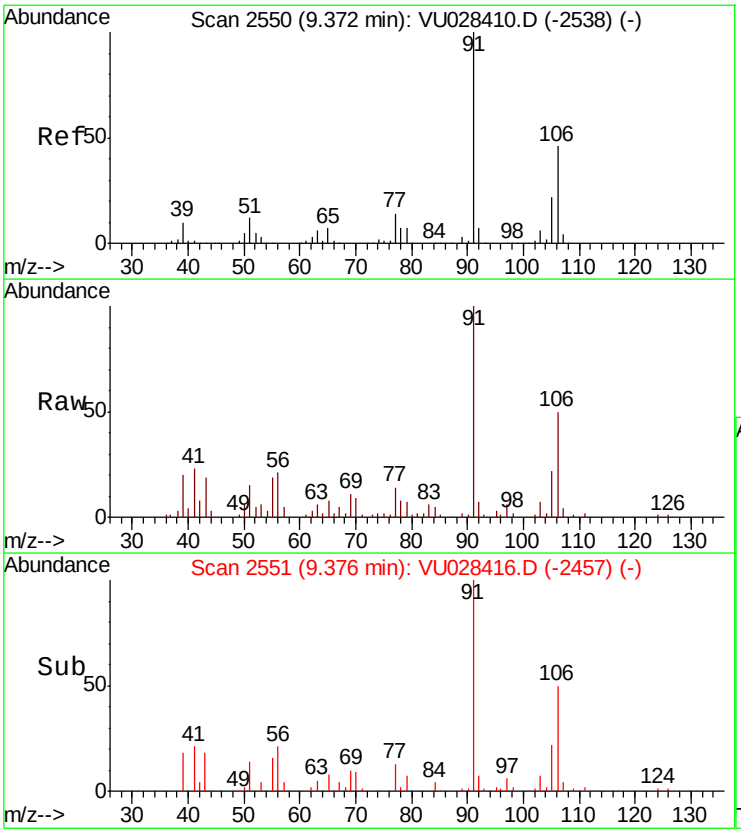
#52
Ethylbenzene
Concen: 4.165 ug/L
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Instrument :
MSVOA_U
ClientSampleId :
F9Y38

Tgt Ion: 91 Resp: 32086

Ion	Ratio	Lower	Upper
91	100		
106	28.1	20.2	37.6

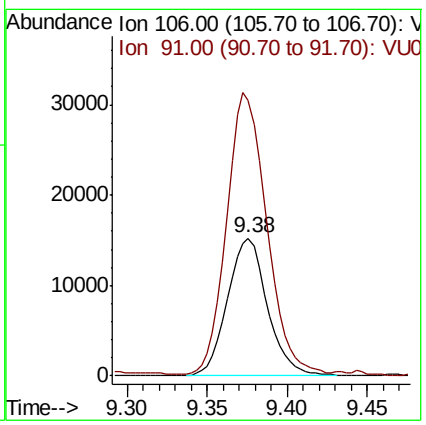


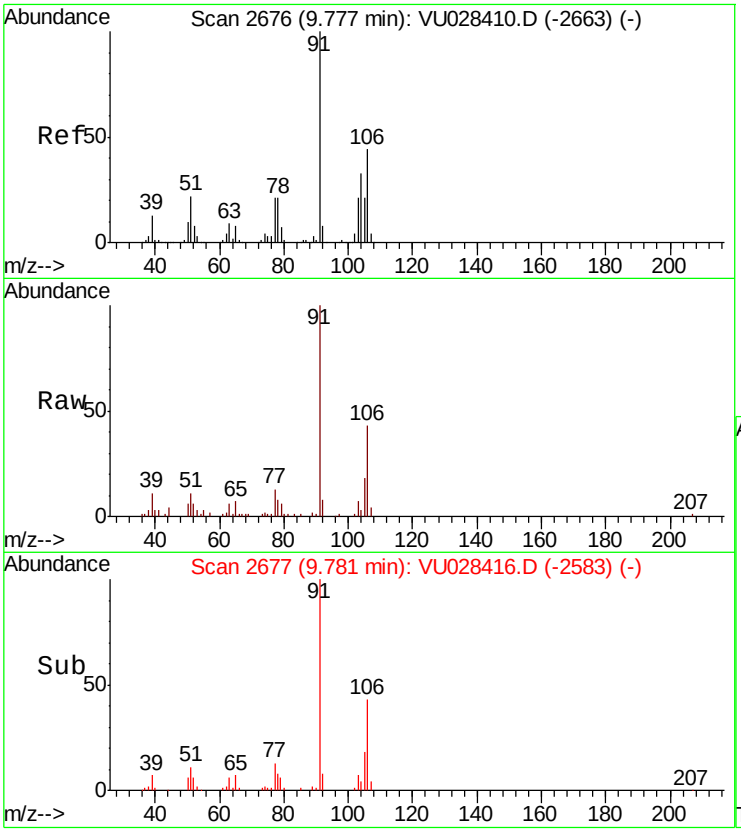


#53
m,p-Xylene
Concen: 9.414 ug/L
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Tgt Ion:106 Resp: 25866

Ion	Ratio	Lower	Upper
106	100		
91	200.4	152.9	283.9



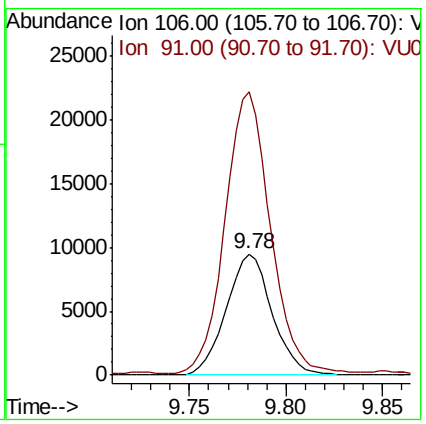


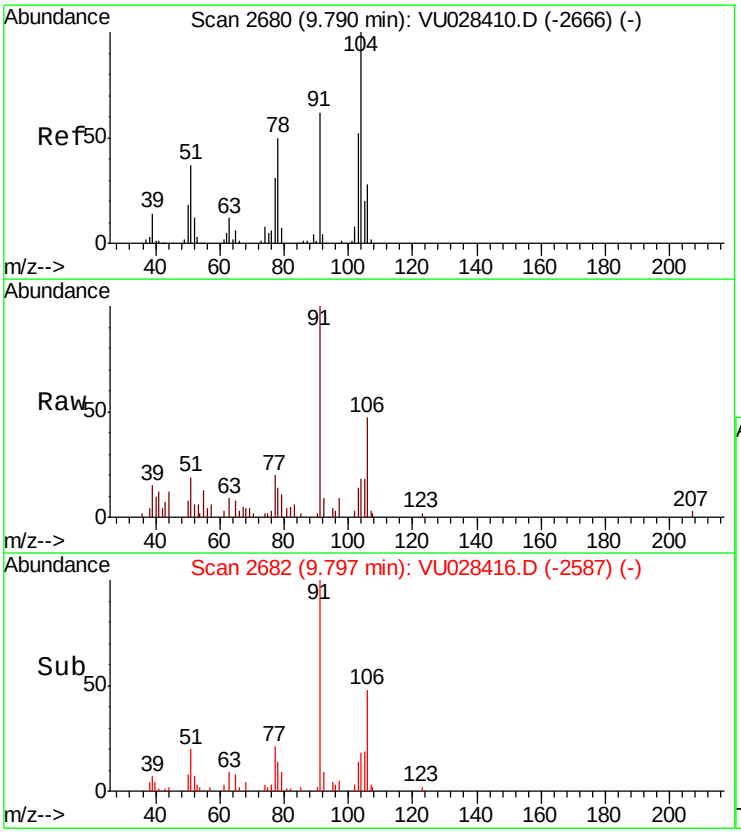
#54
o-xylene
Concen: 5.711 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Instrument : MSVOA_U
ClientSampleId : F9Y38

Tgt Ion:106 Resp: 15543

Ion	Ratio	Lower	Upper
106	100		
91	233.9	158.4	294.2

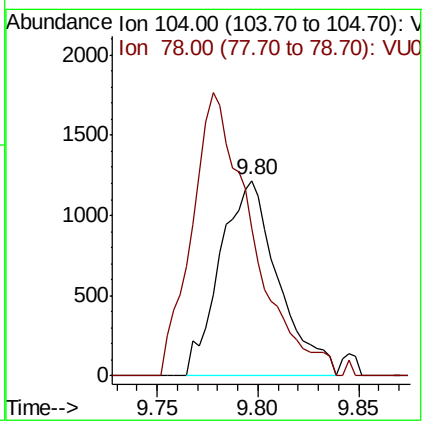


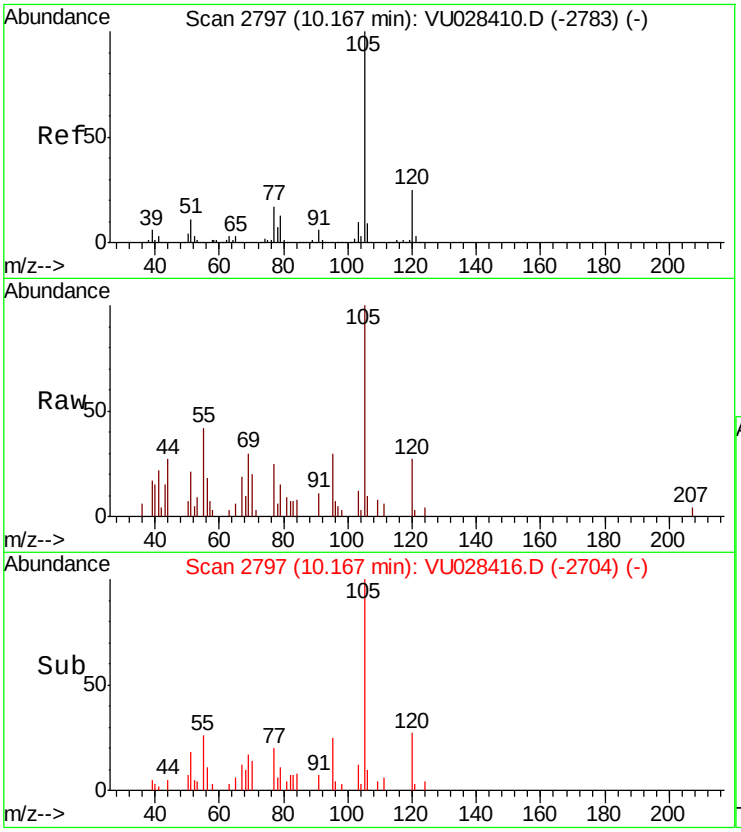


#55
Styrene
Concen: 0.527 ug/L
RT: 9.80 min Scan# 2682
Delta R.T. 0.01 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Tgt Ion:104 Resp: 2459

Ion	Ratio	Lower	Upper
104	100		
78	75.2	35.0	65.0#



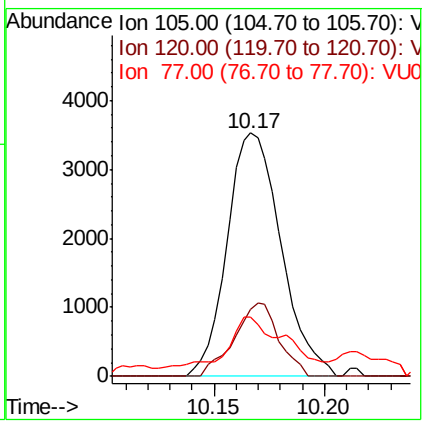


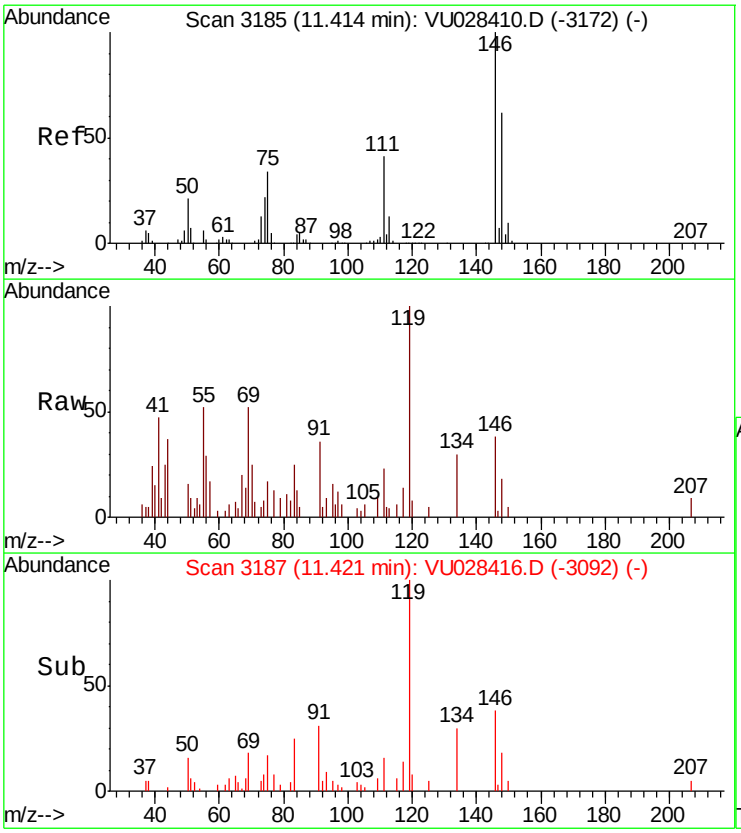
#56
Isopropylbenzene
Concen: 0.836 ug/L
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Instrument :
MSVOA_U
ClientSampleId :
F9Y38

Tgt Ion:105 Resp: 6000

Ion	Ratio	Lower	Upper
105	100		
120	24.9	20.1	30.1
77	10.6	13.4	20.0#

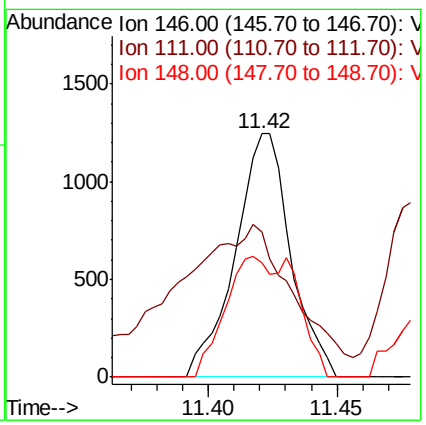


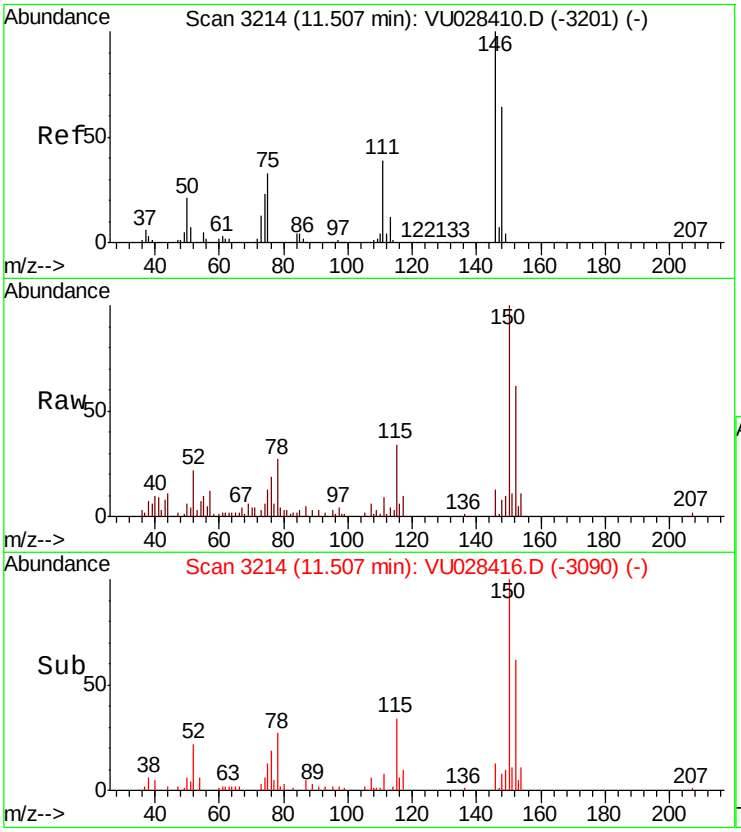


#62
1,3-Dichlorobenzene
Concen: 0.542 ug/L
RT: 11.42 min Scan# 3187
Delta R.T. 0.01 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Tgt Ion:146 Resp: 1869

Ion	Ratio	Lower	Upper
146	100		
111	59.4	28.8	53.4#
148	47.2	43.1	80.1



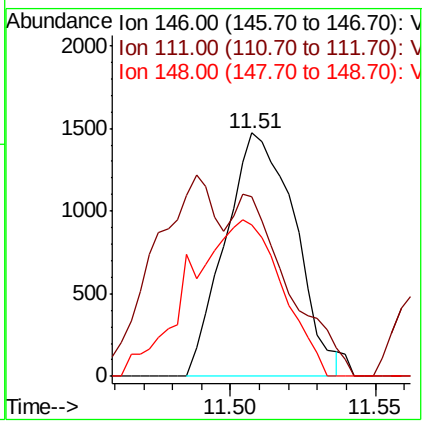


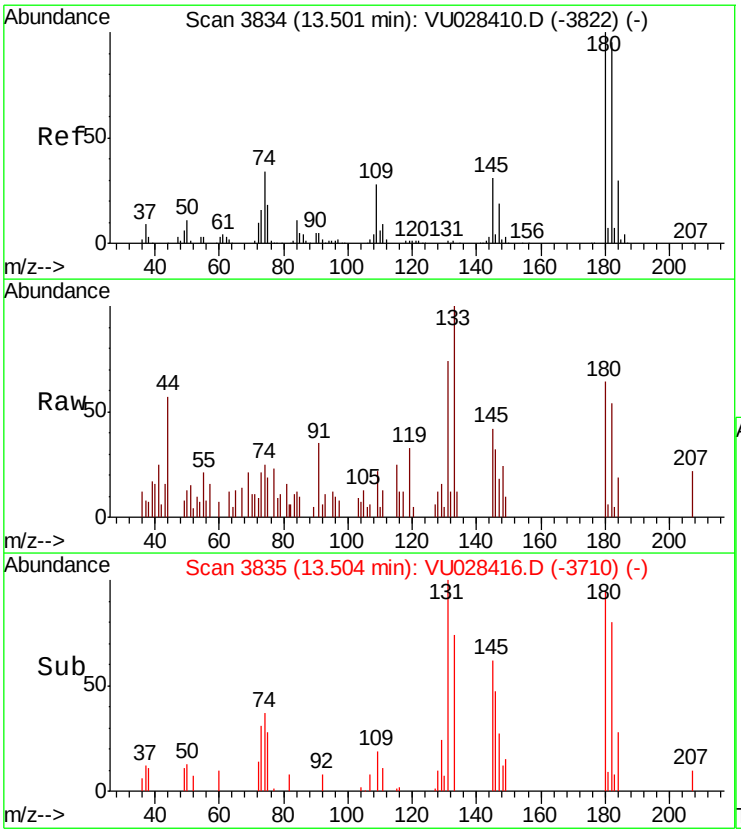
#63
1,4-Dichlorobenzene
Concen: 0.705 ug/L
RT: 11.51 min Scan# 3214
Delta R.T. 0.00 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Instrument :
MSVOA_U
ClientSampleId :
F9Y38

Tgt Ion:146 Resp: 2450

Ion	Ratio	Lower	Upper
146	100		
111	73.7	27.6	51.4#
148	62.5	44.7	82.9

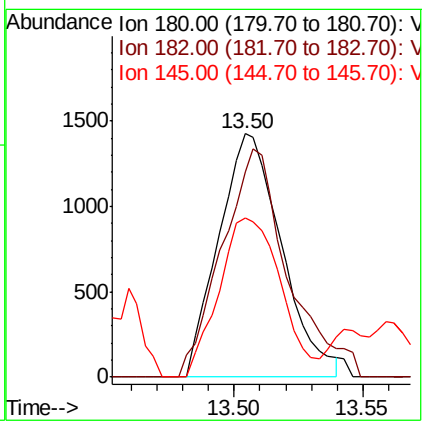


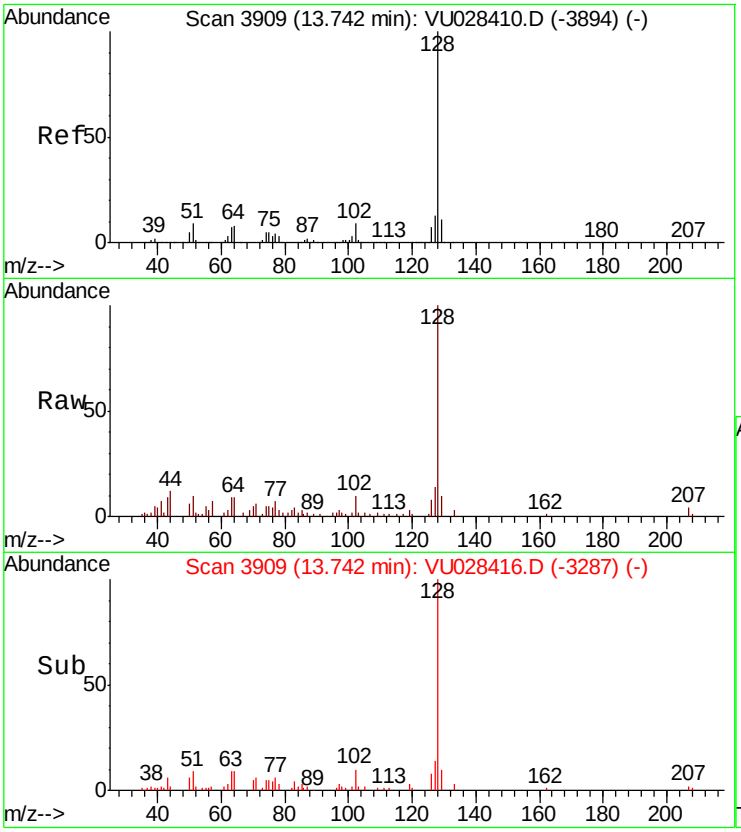


#68
1,2,4-trichlorobenzene
Concen: 1.025 ug/L
RT: 13.50 min Scan# 3835
Delta R.T. 0.00 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Tgt Ion:180 Resp: 2421

Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.0	114.0
145	64.6	24.2	36.2#



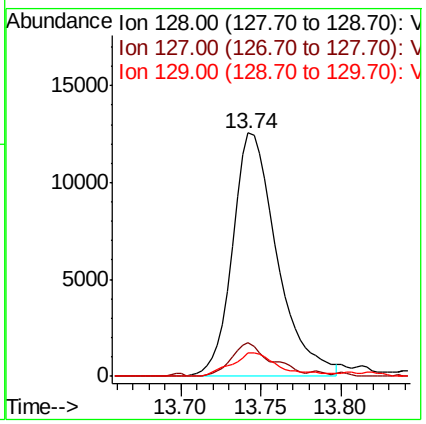


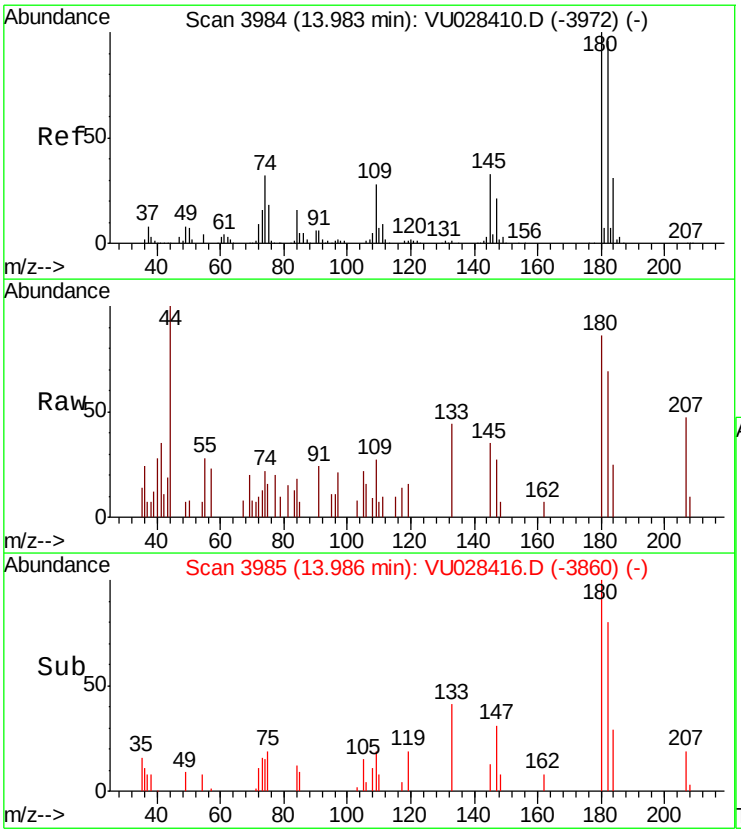
#69
Naphthalene
Concen: 2.899 ug/L
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Instrument :
MSVOA_U
ClientSampleId :
F9Y38

Tgt Ion:128 Resp: 23885

Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.4	15.6
129	9.8	8.6	12.8





#70
1,2,3-Trichlorobenzene
Concen: 0.694 ug/L
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028416.D
Acq: 30 Nov 2018 12:27

Tgt Ion:180 Resp: 1652

Ion	Ratio	Lower	Upper
180	100		
182	119.5	76.6	115.0#
145	34.8	26.2	39.2