Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111718\

Quantitation Report (Not Reviewed)

Data File : VU028240.D
Acq On : 17 Nov 2018 21:28
Operator : MD/SY
Sample : J5986-02MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FG7MS

Quant Time: Nov 19 03:13:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Nov 19 03:08:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	155888	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	147967	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	68646	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	54634	4.66	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 93.20%			
7) Chloroethane-d5	1.68	69	45718	4.51	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 90.20%			
11) 1,1-Dichloroethene-d2	2.28	63	110497	4.73	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 94.60%			
20) 2-Butanone-d5	4.19	46	199415	50.80	ug/L	-0.02
Spiked Amount 50.000	Range 40 - 130		Recovery = 101.60%			
24) Chloroform-d	4.65	84	93859	4.29	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 85.80%			
26) 1,2-Dichloroethane-d4	5.31	65	58465	4.83	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 96.60%			
32) Benzene-d6	5.34	84	198512	4.66	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 93.20%			
36) 1,2-Dichloropropane-d6	6.33	67	73592	4.76	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 95.20%			
41) Toluene-d8	7.57	98	171689	4.50	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 90.00%			
43) trans-1,3-Dichloropropene-	7.85	79	22734	4.60	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 92.00%			
46) 2-Hexanone-d5	8.31	63	146996	49.61	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 99.22%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	53812	4.82	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 96.40%			
64) 1,2-Dichlorobenzene-d4	11.86	152	60389	4.73	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 94.60%			
Target Compounds						Qvalue
5) Vinyl chloride	1.40	62	154760	9.781	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	718	0.071	ug/L #	31
12) 1,1-Dichloroethene	2.29	96	50328	5.244	ug/L	94
13) Acetone	2.31	43	9876	3.658	ug/L	57
17) Methyl tert-butyl Ether	3.01	73	536150	18.598	ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	36472	3.568	ug/L	96
19) 1,1-Dichloroethane	3.45	63	23911	1.009	ug/L	95
22) cis-1,2-Dichloroethene	4.23	96	1002163	82.935	ug/L	97
25) Chloroform	4.68	83	4260	0.166	ug/L	95
27) 1,2-Dichloroethane	5.39	62	2691	0.184	ug/L #	78
33) Benzene	5.39	78	256599	5.256	ug/L	100
34) Trichloroethene	6.19	95	1103232	92.302	ug/L	99
35) Methylcyclohexane	6.33	83	14398	0.765	ug/L #	14
37) 1,2-Dichloropropane	6.33	63	7254	0.521	ug/L #	92
42) Toluene	7.64	91	240652	4.863	ug/L	98
47) Tetrachloroethene	8.23	164	10237	1.234	ug/L	99
48) 2-Hexanone	8.36	43	2754	0.388	ug/L #	57

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111718\

Quantitation Report (Not Reviewed)

Data File : VU028240.D
Acq On : 17 Nov 2018 21:28
Operator : MD/SY
Sample : J5986-02MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FG7MS

Quant Time: Nov 19 03:13:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Nov 19 03:08:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
49) Dibromochloromethane	8.23	129	9118	1.070 ug/L #	10
51) Chlorobenzene	9.12	112	138852	4.873 ug/L	96
59) 1,2,3-Trichloropropane	11.48	75	10297	1.279 ug/L	94

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

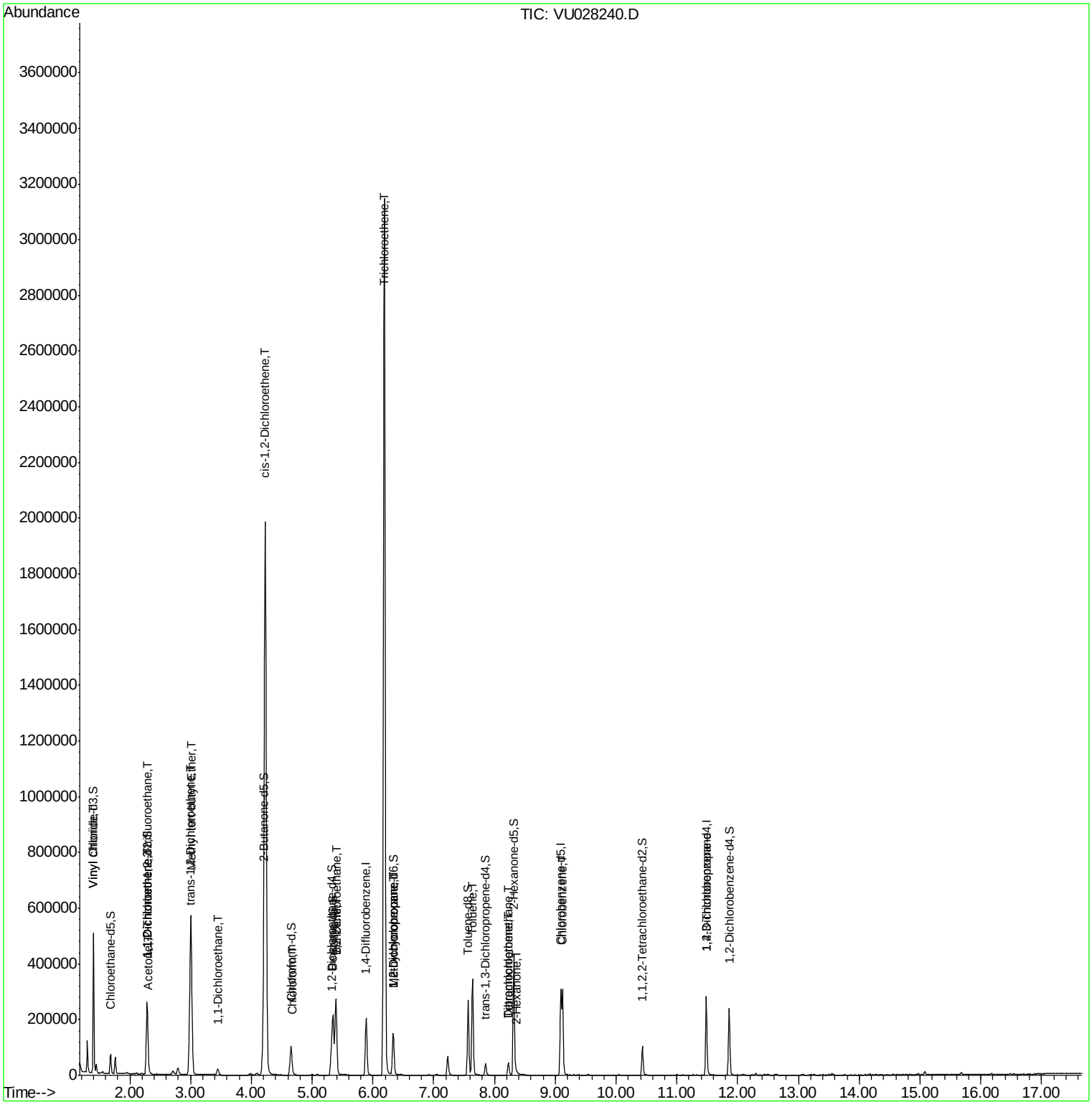
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111718\

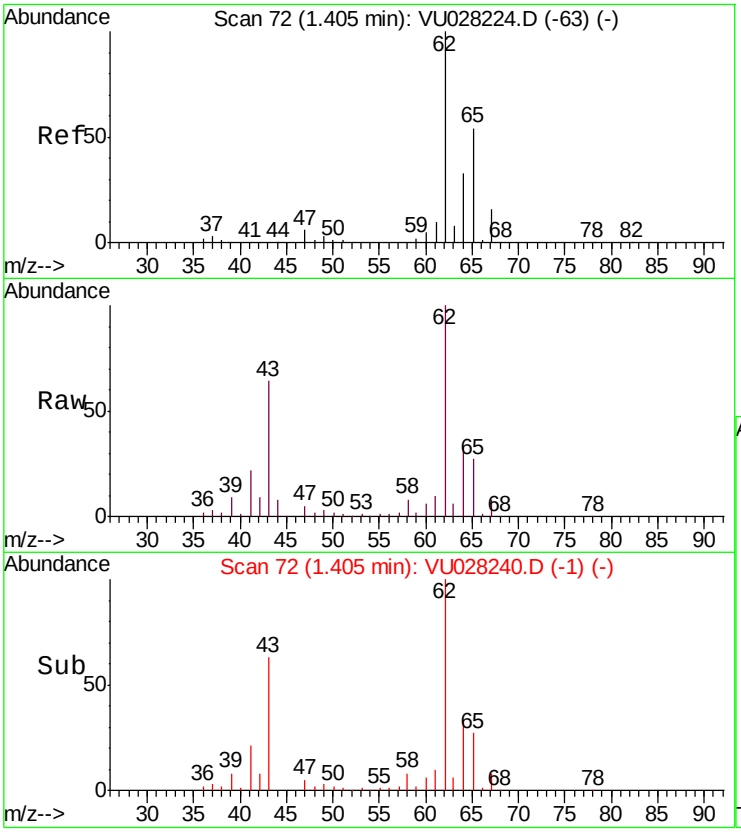
Quantitation Report (Not Reviewed)

Data File : VU028240.D
Acq On : 17 Nov 2018 21:28
Operator : MD/SY
Sample : J5986-02MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FG7MS

Quant Time: Nov 19 03:13:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Nov 19 03:08:19 2018
Response via : Initial Calibration



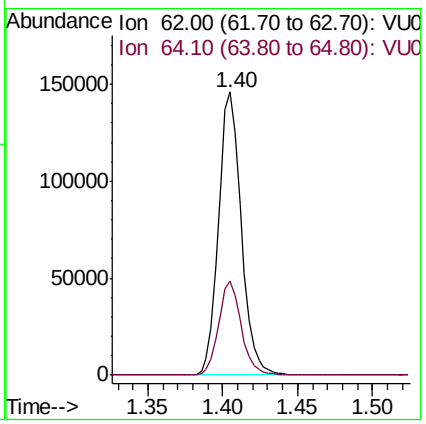


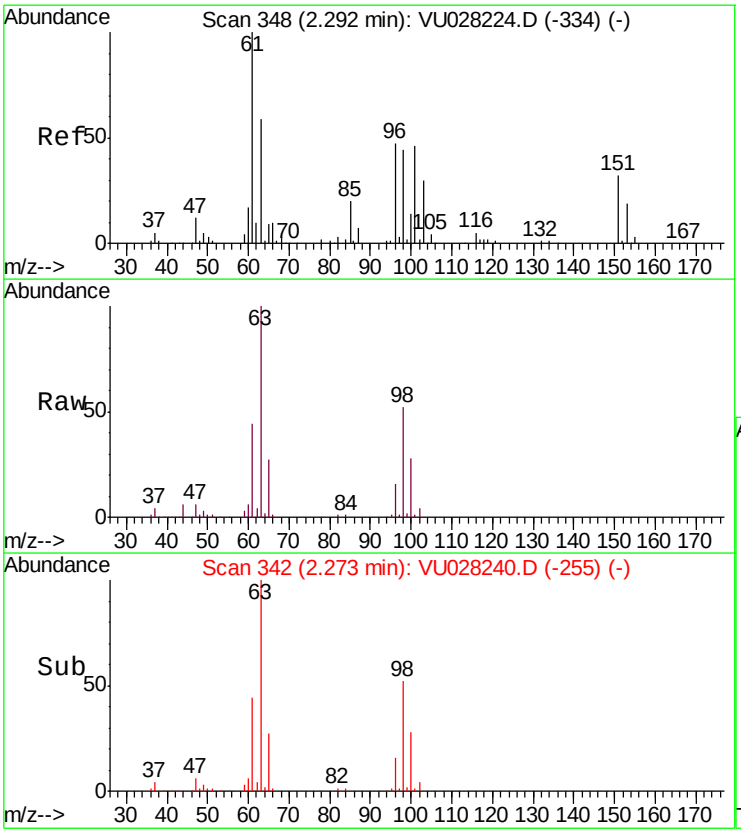
#5
Vinyl chloride
Concen: 9.781 ug/L
RT: 1.40 min Scan# 72
Delta R.T. -0.00 min
Lab File: VU028240.D
Acq: 17 Nov 2018 21:28

Instrument :
MSVOA_U
ClientSampleId :
H0FG7MS

Tgt Ion: 62 Resp: 154760

Ion	Ratio	Lower	Upper
62	100		
64	33.1	21.7	40.3

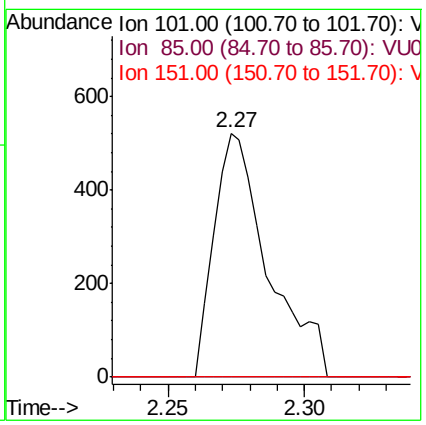


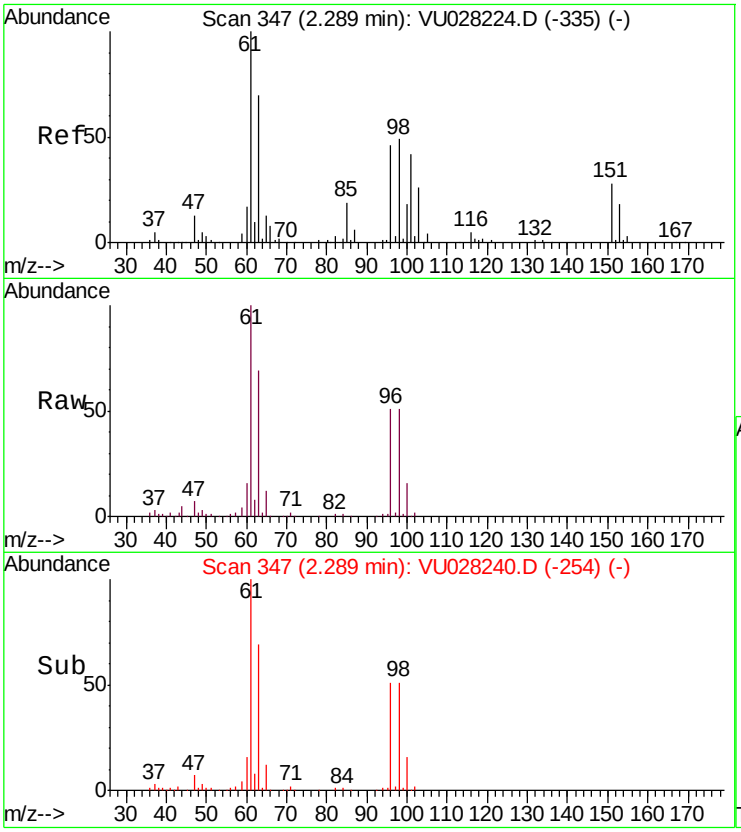


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.071 ug/L
RT: 2.27 min Scan# 342
Delta R.T. -0.02 min
Lab File: VU028240.D
Acq: 17 Nov 2018 21:28

Tgt Ion:101 Resp: 718

Ion	Ratio	Lower	Upper
101	100		
85	16.7	37.4	56.2#
151	0.0	55.0	82.4#



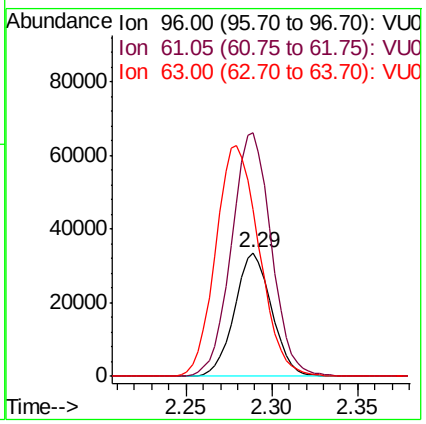


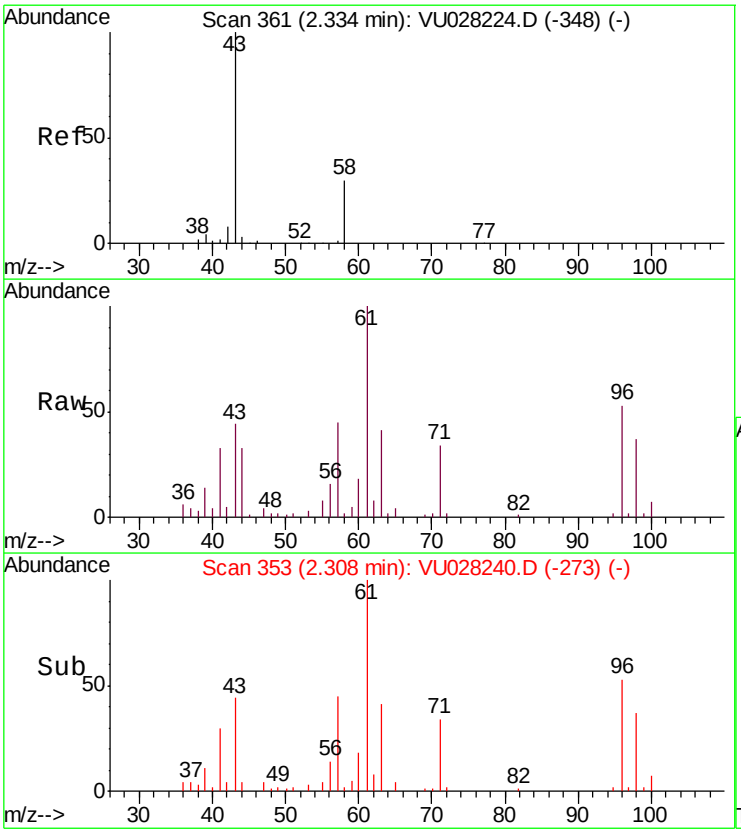
#12
1,1-Dichloroethene
Concen: 5.244 ug/L
RT: 2.29 min Scan# 347
Delta R.T. -0.00 min
Lab File: VU028240.D
Acq: 17 Nov 2018 21:28

Instrument : MSVOA_U
ClientSampleId : H0FG7MS

Tgt Ion: 96 Resp: 50328

Ion	Ratio	Lower	Upper
96	100		
61	197.5	145.5	270.1
63	135.7	98.6	183.2

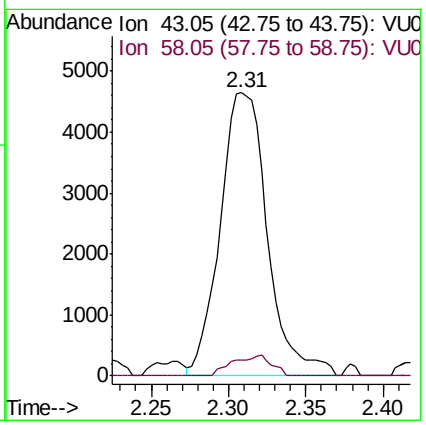


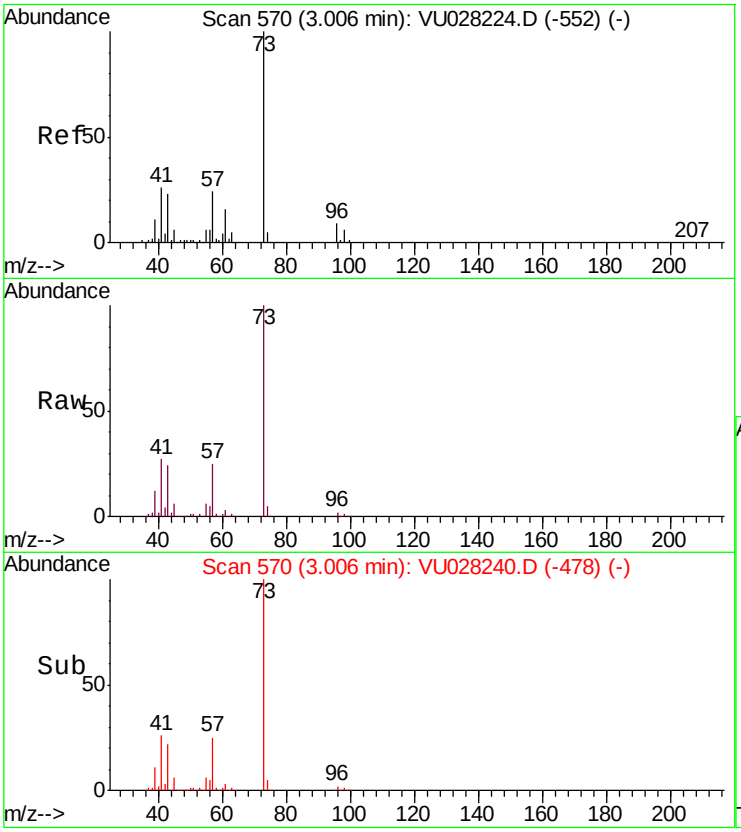


#13
Acetone
Concen: 3.658 ug/L
RT: 2.31 min Scan# 353
Delta R.T. -0.04 min
Lab File: VU028240.D
Acq: 17 Nov 2018 21:28

Tgt Ion: 43 Resp: 9876

Ion	Ratio	Lower	Upper
43	100		
58	6.2	0.0	58.6



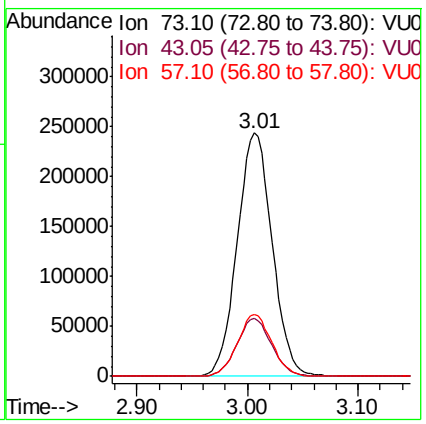


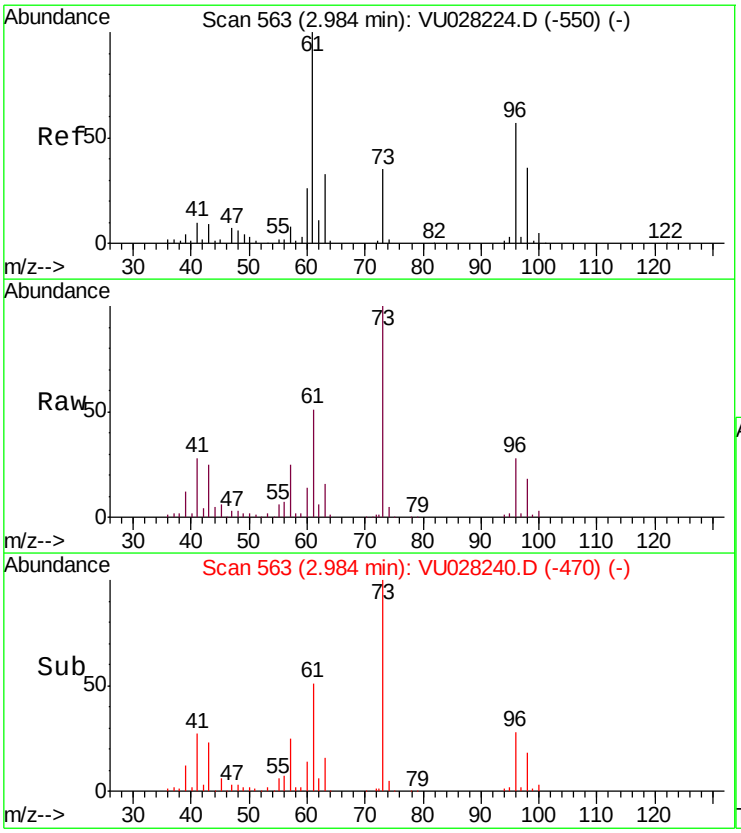
#17
Methyl tert-butyl Ether
Concen: 18.598 ug/L
RT: 3.01 min Scan# 570
Delta R.T. -0.00 min
Lab File: VU028240.D
Acq: 17 Nov 2018 21:28

Instrument : MSVOA_U
ClientSampleId : H0FG7MS

Tgt Ion: 73 Resp: 536150

Ion	Ratio	Lower	Upper
73	100		
43	23.7	18.8	28.2
57	24.8	19.2	28.8

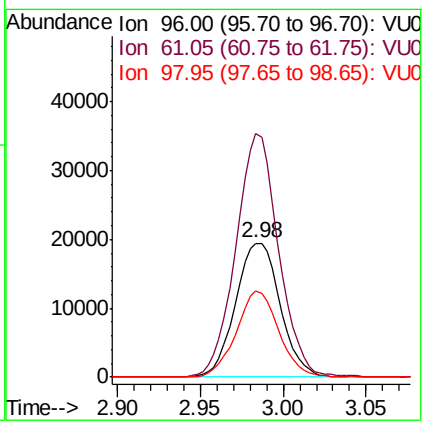


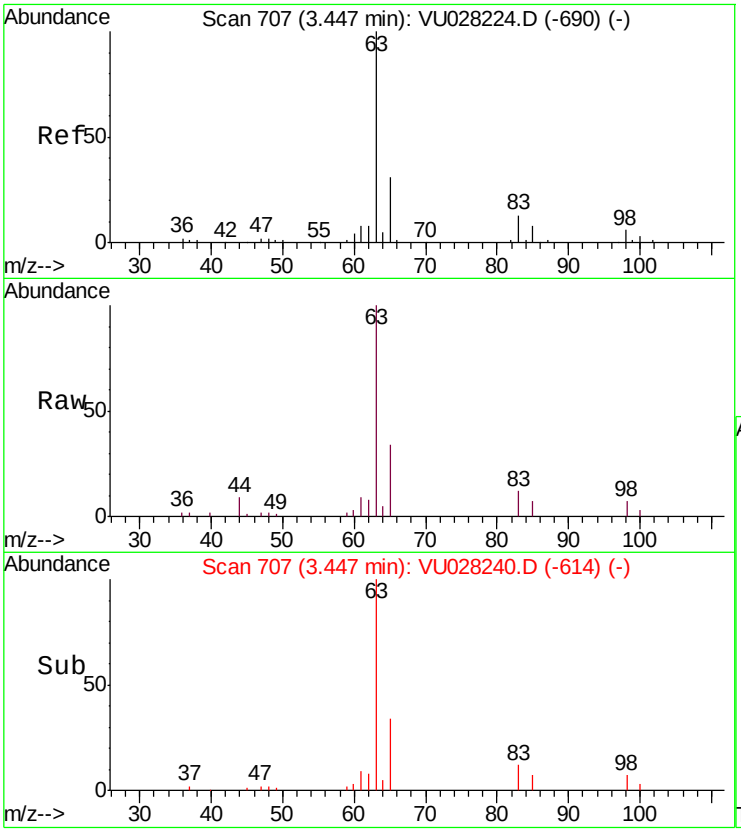


#18
trans-1,2-Dichloroethene
Concen: 3.568 ug/L
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU028240.D
Acq: 17 Nov 2018 21:28

Tgt Ion: 96 Resp: 36472

Ion	Ratio	Lower	Upper
96	100		
61	181.9	122.2	227.0
98	64.0	44.9	83.5



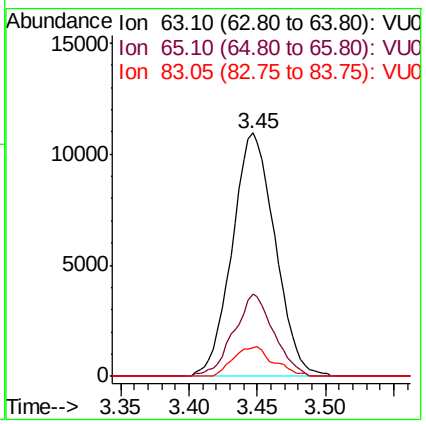


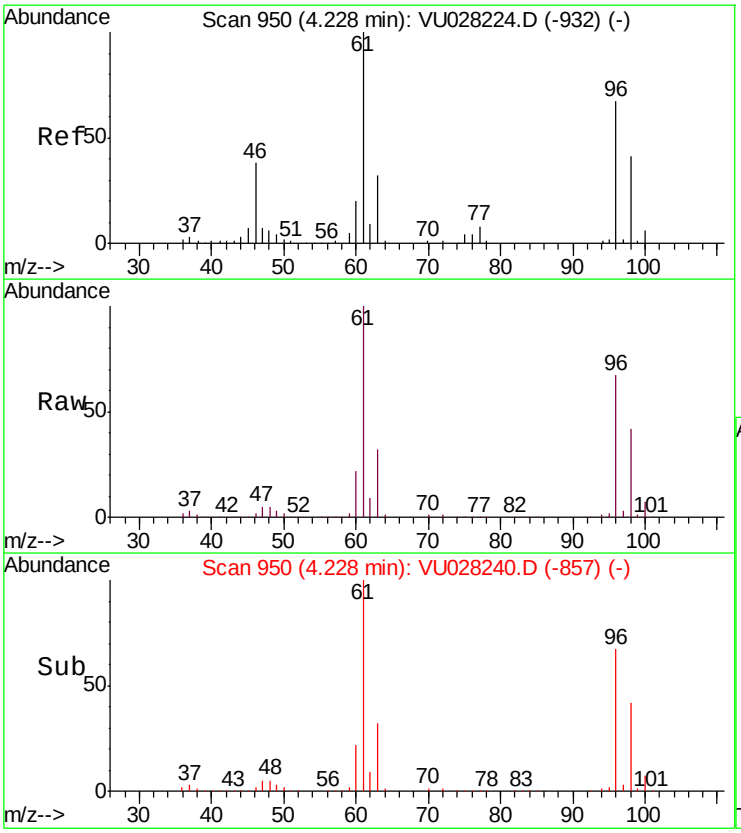
#19
1,1-Dichloroethane
Concen: 1.009 ug/L
RT: 3.45 min Scan# 707
Delta R.T. -0.00 min
Lab File: VU028240.D
Acq: 17 Nov 2018 21:28

Instrument :
MSVOA_U
ClientSampleId :
H0FG7MS

Tgt Ion: 63 Resp: 23911

Ion	Ratio	Lower	Upper
63	100		
65	34.0	21.2	39.4
83	11.9	8.8	16.4

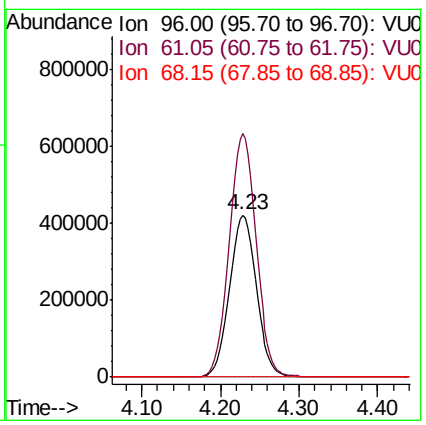


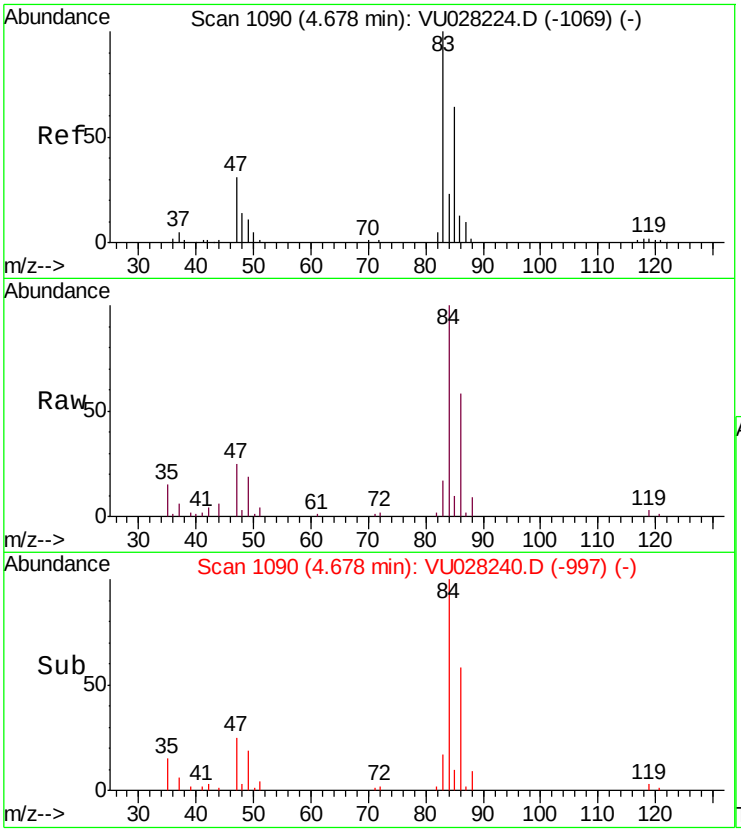


#22
cis-1,2-Dichloroethene
Concen: 82.935 ug/L
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU028240.D
Acq: 17 Nov 2018 21:28

Tgt Ion: 96 Resp: 1002163

Ion	Ratio	Lower	Upper
96	100		
61	150.2	108.0	200.6
68	0.0	0.0	0.0



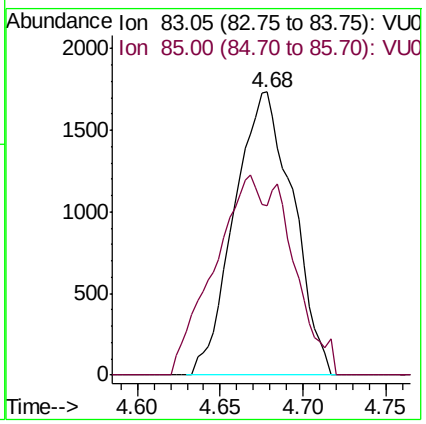


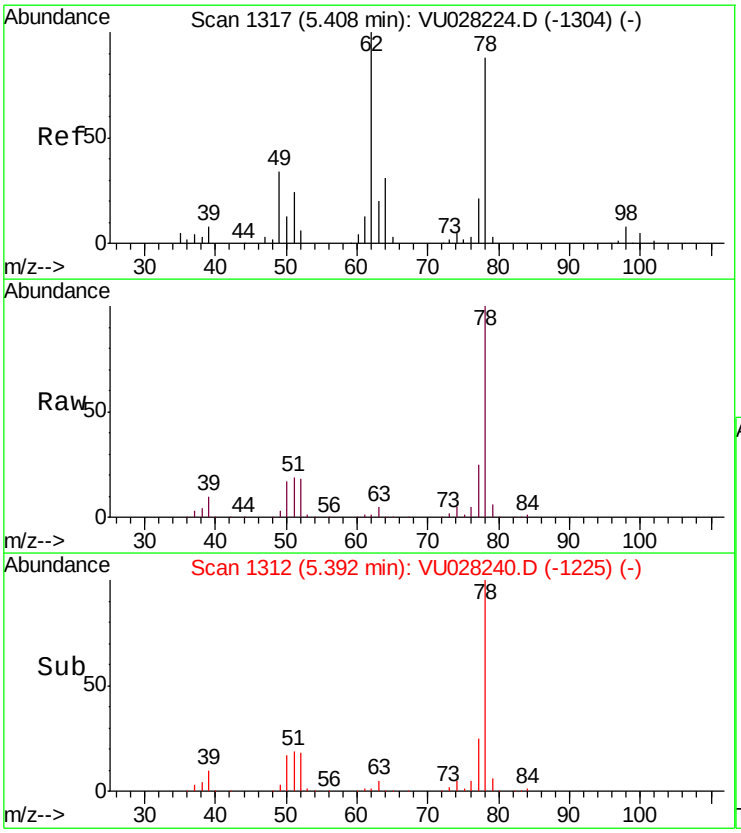
#25
Chloroform
Concen: 0.166 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VU028240.D
Acq: 17 Nov 2018 21:28

Instrument :
MSVOA_U
ClientSampleId :
H0FG7MS

Tgt Ion: 83 Resp: 4260

Ion	Ratio	Lower	Upper
83	100		
85	59.9	44.6	82.8

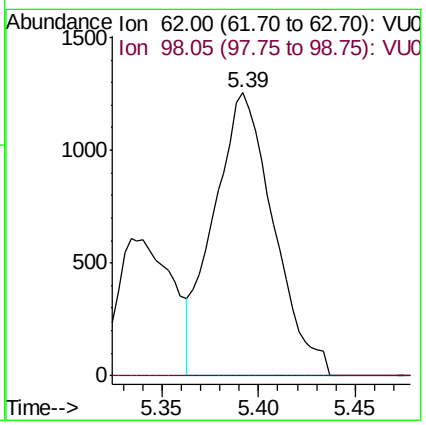


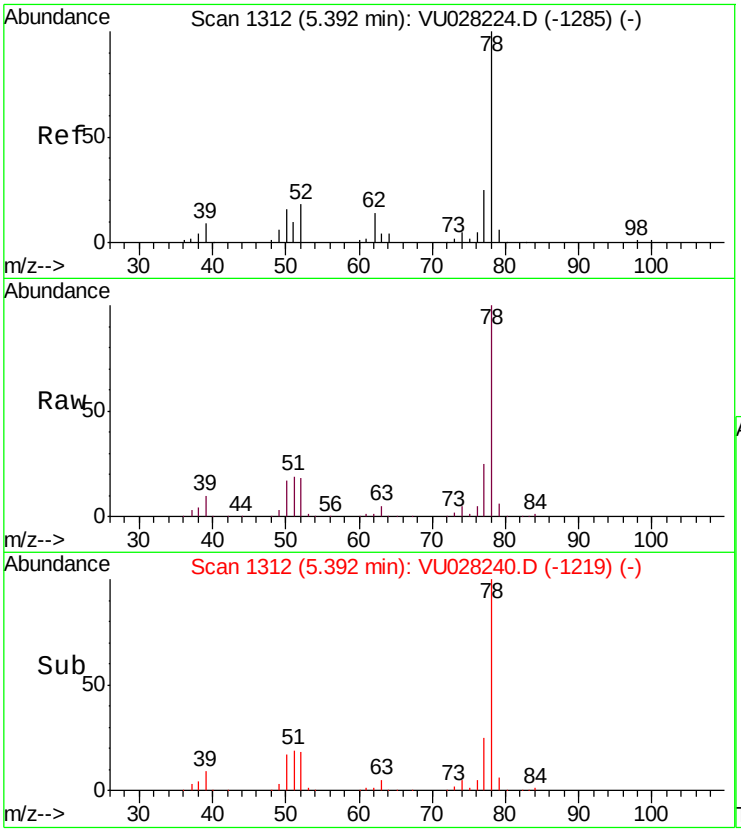


#27
1,2-Dichloroethane
Concen: 0.184 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. -0.02 min
Lab File: VU028240.D
Acq: 17 Nov 2018 21:28

Tgt Ion: 62 Resp: 2691

Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.2	9.4#

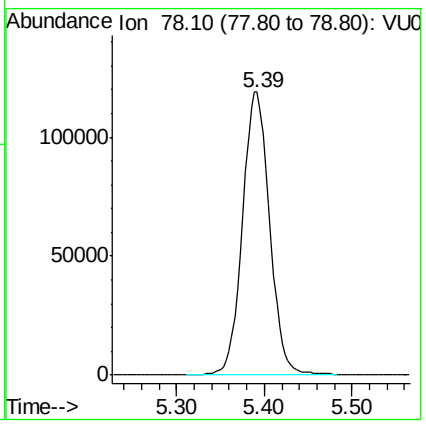


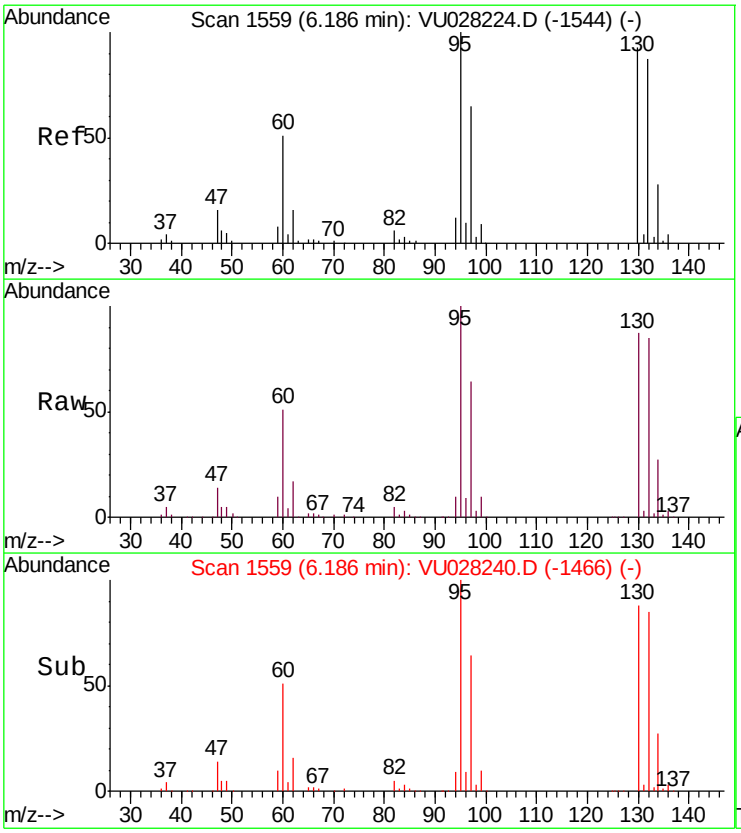


#33
Benzene
Concen: 5.256 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU028240.D
Acq: 17 Nov 2018 21:28

Instrument :
MSVOA_U
ClientSampleId :
H0FG7MS

Tgt Ion: 78 Resp: 256599

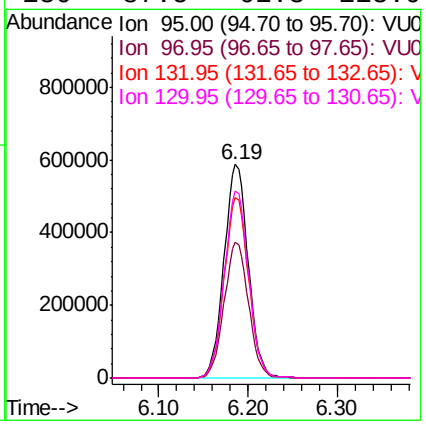


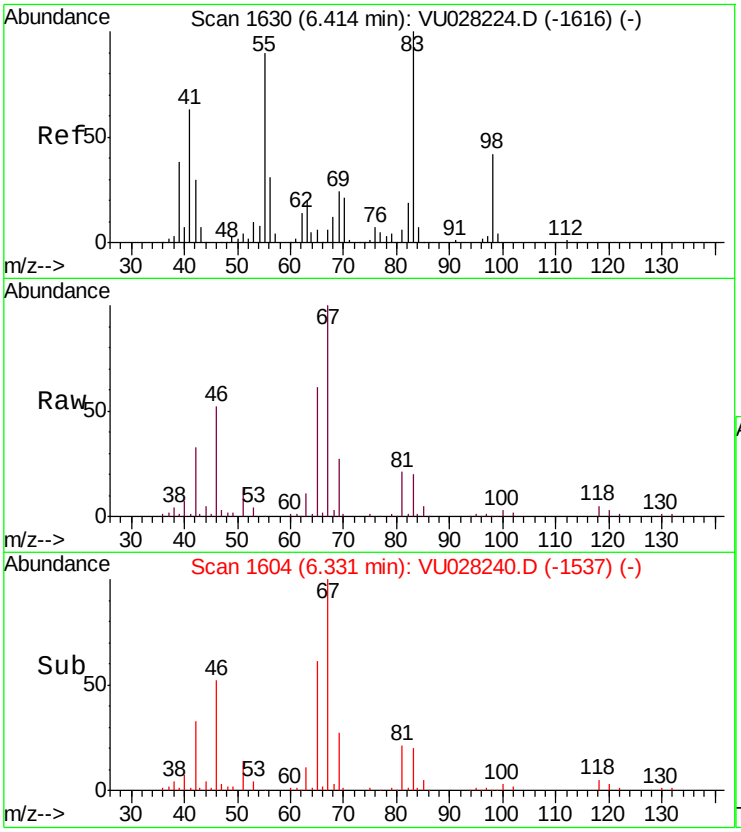


#34
Trichloroethene
Concen: 92.302 ug/L
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU028240.D
Acq: 17 Nov 2018 21:28

Tgt Ion: 95 Resp: 1103232

Ion	Ratio	Lower	Upper
95	100		
97	63.5	46.5	86.3
132	84.8	58.9	109.3
130	87.5	61.3	113.9



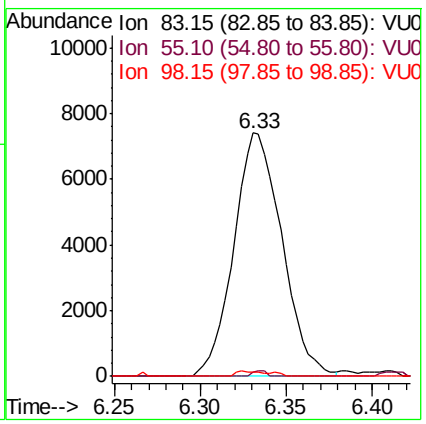


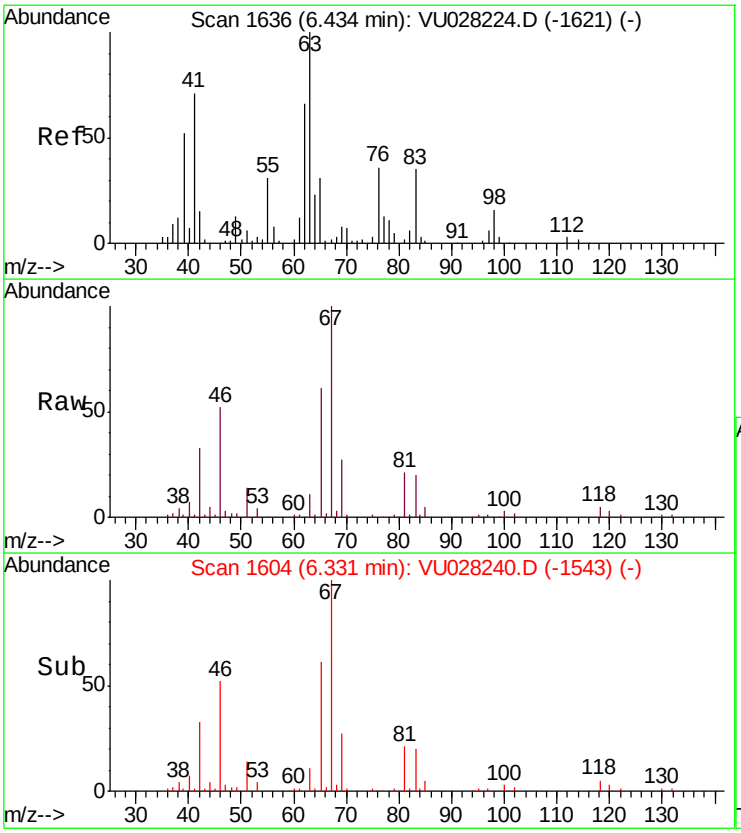
#35
Methylcyclohexane
Concen: 0.765 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.08 min
Lab File: VU028240.D
Acq: 17 Nov 2018 21:28

Instrument : MSVOA_U
ClientSampleId : H0FG7MS

Tgt Ion: 83 Resp: 14398

Ion	Ratio	Lower	Upper
83	100		
55	0.6	73.2	109.8#
98	0.0	33.4	50.2#

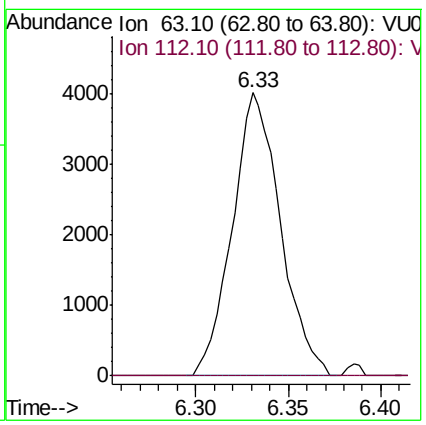


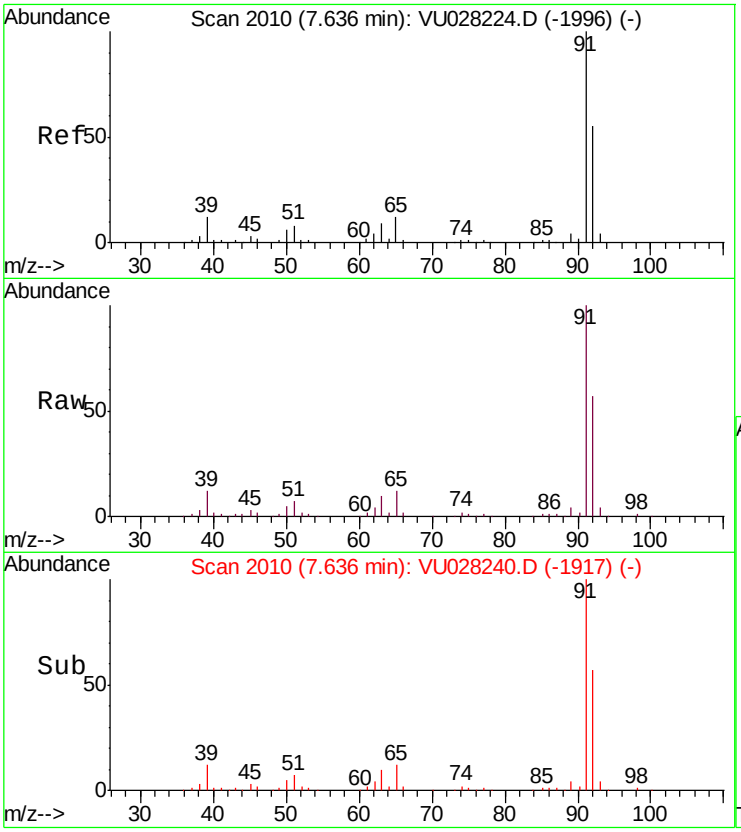


#37
1,2-Dichloropropane
Concen: 0.521 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.10 min
Lab File: VU028240.D
Acq: 17 Nov 2018 21:28

Tgt Ion: 63 Resp: 7254

Ion	Ratio	Lower	Upper
63	100		
112	0.0	2.2	3.2#



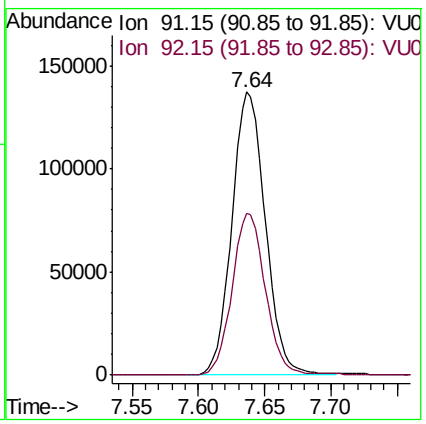


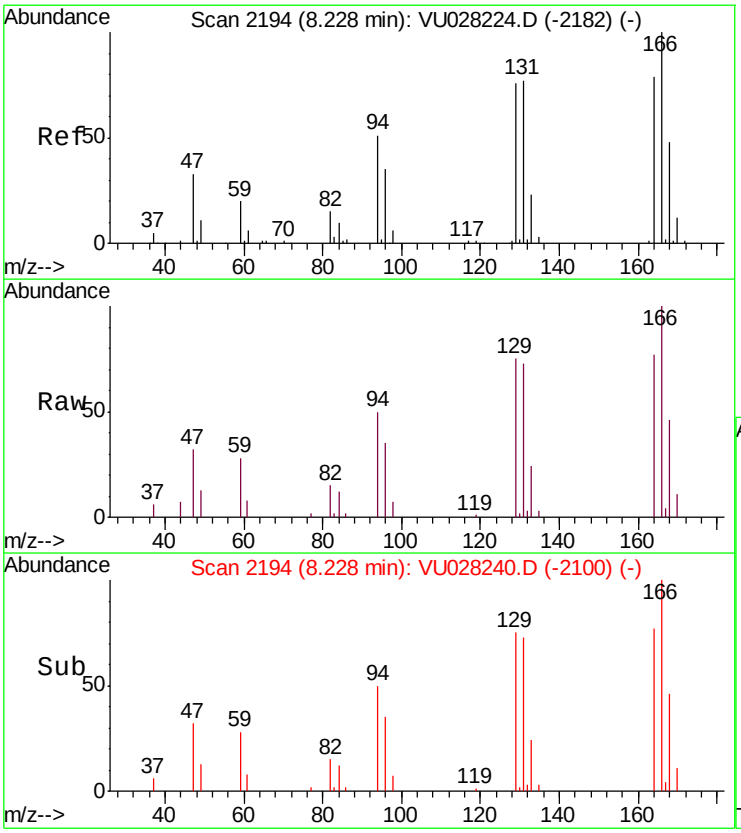
#42
Toluene
Concen: 4.863 ug/L
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU028240.D
Acq: 17 Nov 2018 21:28

Instrument : MSVOA_U
ClientSampleId : H0FG7MS

Tgt Ion: 91 Resp: 240652

Ion	Ratio	Lower	Upper
91	100		
92	57.3	39.0	72.4

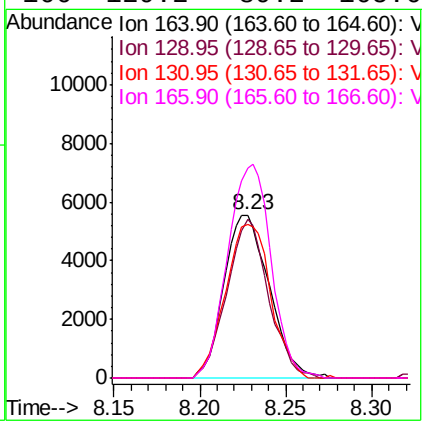


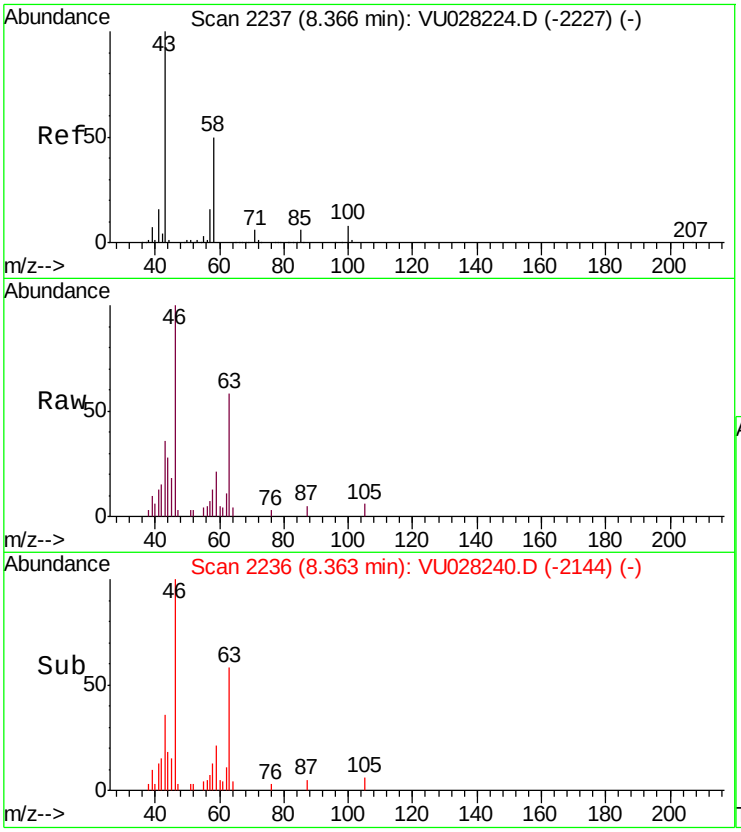


#47
Tetrachloroethene
Concen: 1.234 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028240.D
Acq: 17 Nov 2018 21:28

Tgt Ion:164 Resp: 10237

Ion	Ratio	Lower	Upper
164	100		
129	97.2	67.6	125.6
131	94.2	66.3	123.1
166	129.2	89.2	165.6



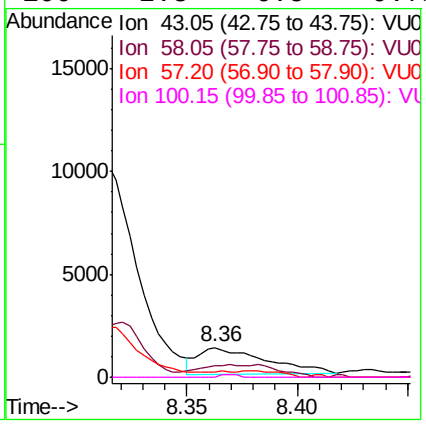


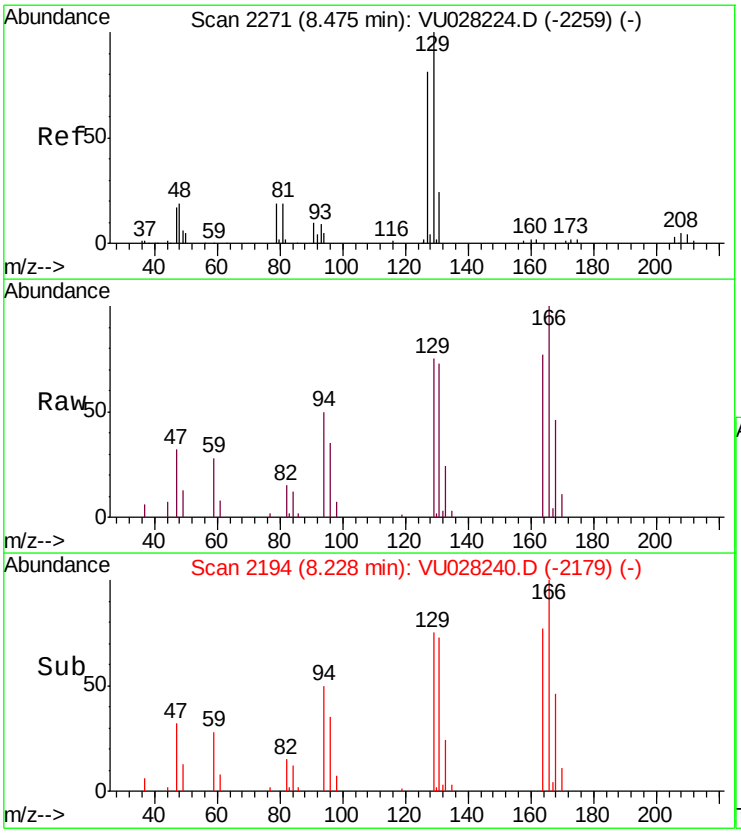
#48
2-Hexanone
Concen: 0.388 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU028240.D
Acq: 17 Nov 2018 21:28

Instrument : MSVOA_U
ClientSampleId : H0FG7MS

Tgt Ion: 43 Resp: 2754

Ion	Ratio	Lower	Upper
43	100		
58	17.3	41.1	61.7#
57	0.0	13.8	20.8#
100	2.8	6.5	9.7#

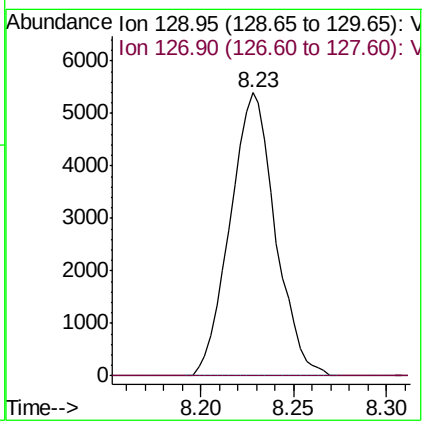


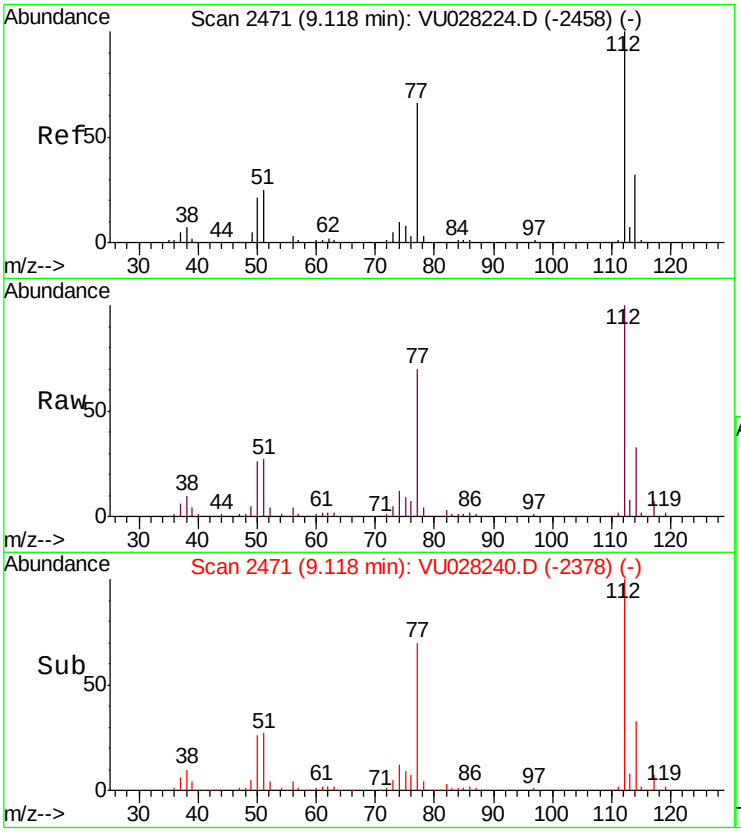


#49
Dibromochloromethane
Concen: 1.070 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU028240.D
Acq: 17 Nov 2018 21:28

Tgt Ion:129 Resp: 9118

Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.5#



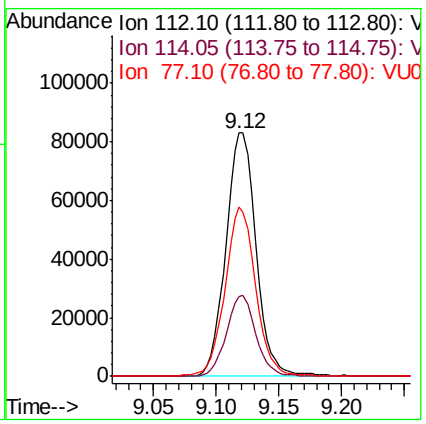


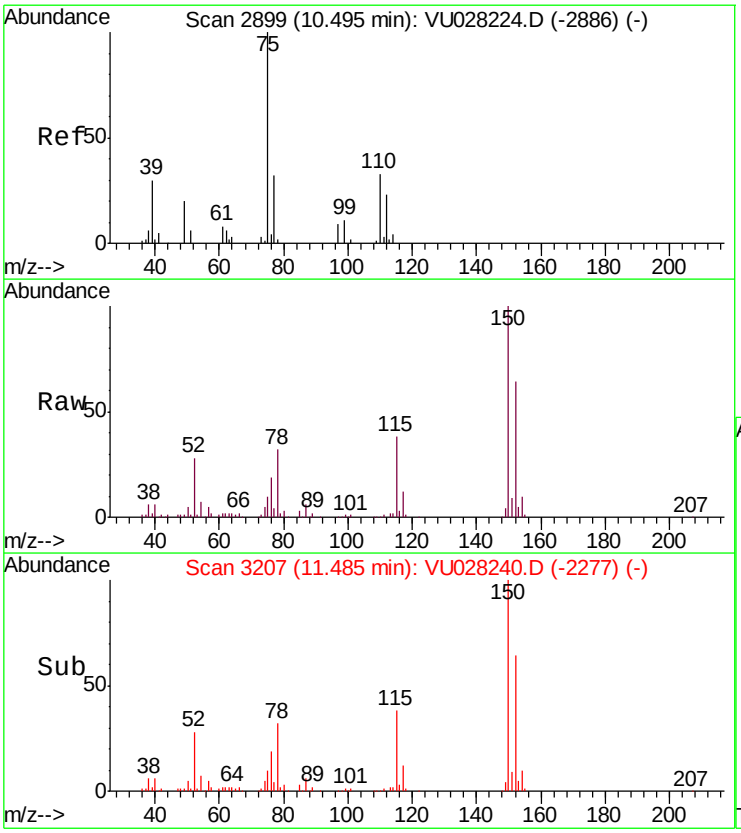
#51
Chlorobenzene
Concen: 4.873 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028240.D
Acq: 17 Nov 2018 21:28

Instrument :
MSVOA_U
ClientSampleId :
H0FG7MS

Tgt Ion:112 Resp: 138852

Ion	Ratio	Lower	Upper
112	100		
114	33.0	22.3	41.5
77	69.5	52.4	78.6





#59
1,2,3-Trichloropropane
Concen: 1.279 ug/L
RT: 11.48 min Scan# 3207
Delta R.T. 0.99 min
Lab File: VU028240.D
Acq: 17 Nov 2018 21:28

Tgt Ion: 75 Resp: 10297

Ion	Ratio	Lower	Upper
75	100		
77	35.5	25.7	38.5