Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111918\

Quantitation Report (Not Reviewed)

Data File : VU028259.D
Acq On : 19 Nov 2018 17:14
Operator : MD/SY
Sample : J5986-03MSD 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FG7MSD

Quant Time: Nov 20 07:12:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 07:07:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	131098	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	127206	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	56255	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	41461	4.20	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 84.00%			
7) Chloroethane-d5	1.68	69	37881	4.45	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 89.00%			
11) 1,1-Dichloroethene-d2	2.28	63	89095	4.54	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 90.80%			
20) 2-Butanone-d5	4.19	46	146415	44.35	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 88.70%			
24) Chloroform-d	4.65	84	78235	4.25	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 85.00%			
26) 1,2-Dichloroethane-d4	5.31	65	43660	4.29	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 85.80%			
32) Benzene-d6	5.34	84	158081	4.32	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 86.40%			
36) 1,2-Dichloropropane-d6	6.33	67	59201	4.45	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 89.00%			
41) Toluene-d8	7.57	98	140294	4.28	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 85.60%			
43) trans-1,3-Dichloropropene-	7.85	79	17293	4.07	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 81.40%			
46) 2-Hexanone-d5	8.31	63	103767	40.74	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 81.48%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	42094	4.38	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 87.60%			
64) 1,2-Dichlorobenzene-d4	11.86	152	47845	4.57	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 91.40%			
Target Compounds						Qvalue
5) Vinyl chloride	1.40	62	12475	0.938	ug/L #	64
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	505	0.059	ug/L #	21
12) 1,1-Dichloroethene	2.29	96	43330	5.369	ug/L	88
16) Methylene chloride	2.70	84	2227	0.219	ug/L	93
17) Methyl tert-butyl Ether	3.01	73	39328	1.622	ug/L	97
18) trans-1,2-Dichloroethene	2.98	96	2900	0.337	ug/L	84
19) 1,1-Dichloroethane	3.45	63	1804	0.090	ug/L #	83
22) cis-1,2-Dichloroethene	4.23	96	75332	7.413	ug/L	94
25) Chloroform	4.68	83	5408	0.251	ug/L	99
27) 1,2-Dichloroethane	5.38	62	1782	0.145	ug/L #	78
33) Benzene	5.39	78	203029	4.837	ug/L	100
34) Trichloroethene	6.19	95	123813	12.050	ug/L	95
35) Methylcyclohexane	6.33	83	12068	0.745	ug/L #	13
37) 1,2-Dichloropropane	6.34	63	5895	0.492	ug/L #	92
42) Toluene	7.64	91	202876	4.769	ug/L	97
47) Tetrachloroethene	8.23	164	1096	0.154	ug/L #	80
48) 2-Hexanone	8.31	43	12932	2.118	ug/L #	79

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111918\

Quantitation Report (Not Reviewed)

Data File : VU028259.D
Acq On : 19 Nov 2018 17:14
Operator : MD/SY
Sample : J5986-03MSD 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FG7MSD

Quant Time: Nov 20 07:12:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 07:07:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) Dibromochloromethane	8.23	129	1191	0.163	ug/L	#	10
51) Chlorobenzene	9.12	112	121290	4.951	ug/L		99
59) 1,2,3-Trichloropropane	11.48	75	7740	1.118	ug/L		93

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111918\

Quantitation Report (Not Reviewed)

Data File : VU028259.D
Acq On : 19 Nov 2018 17:14
Operator : MD/SY
Sample : J5986-03MSD 10X
Misc : 25.0mL/MSVOA_U/WATER
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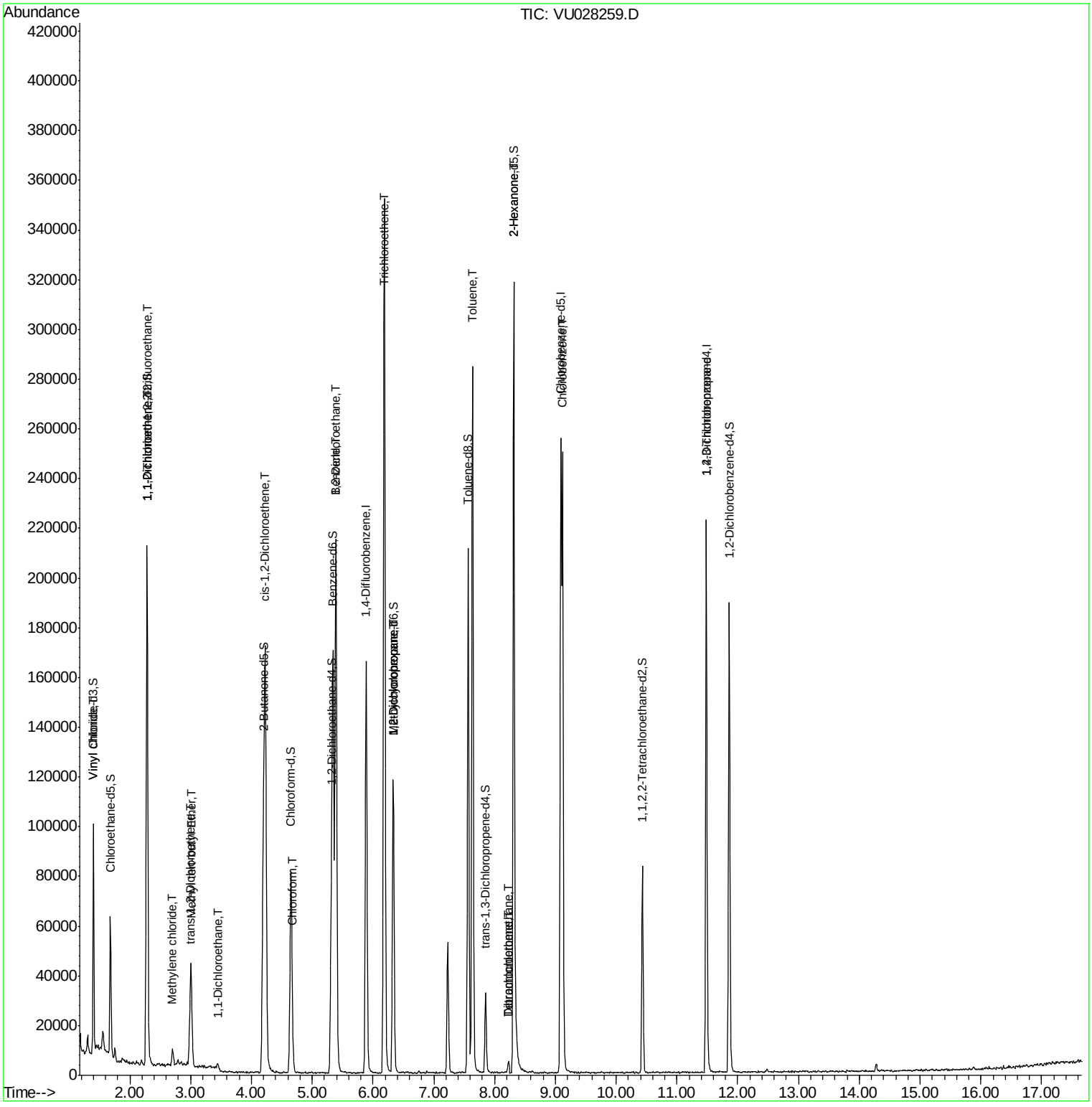
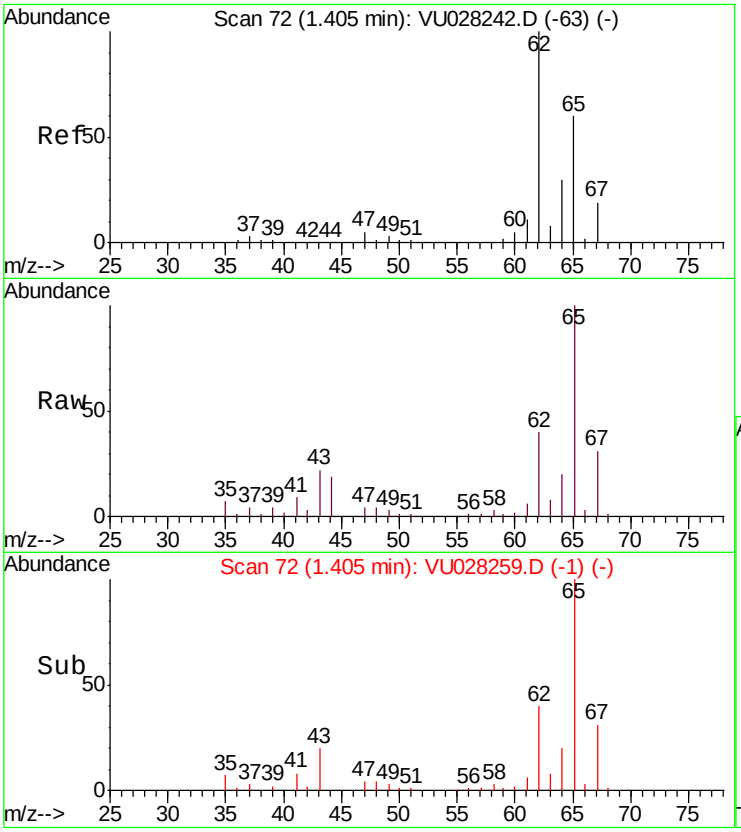
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 07:07:24 2018
Response via : Initial Calibration



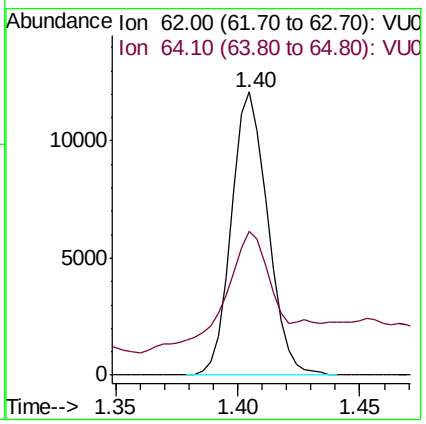


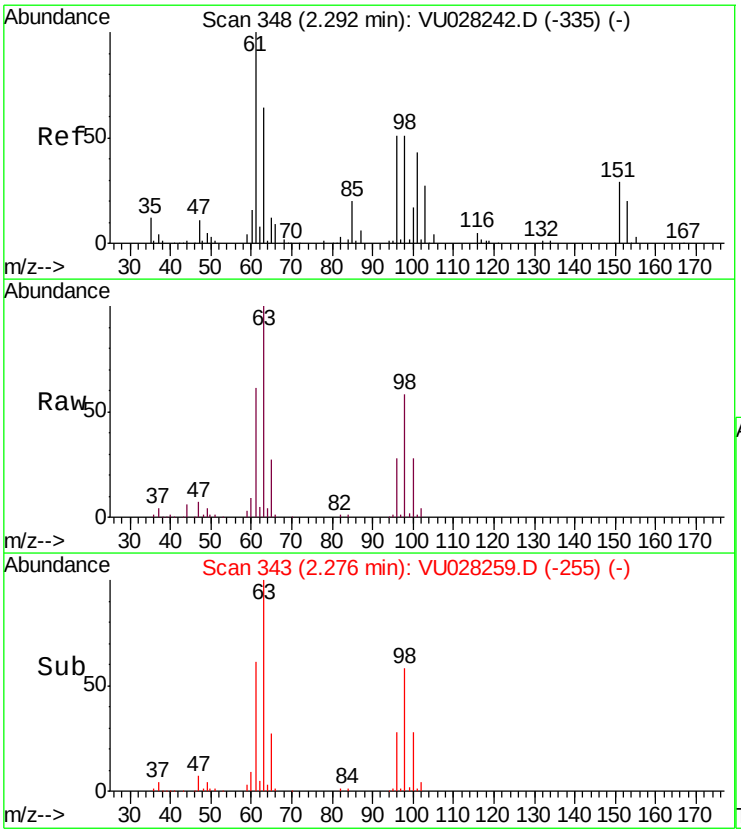
#5
Vinyl chloride
Concen: 0.938 ug/L
RT: 1.40 min Scan# 72
Delta R.T. 0.00 min
Lab File: VU028259.D
Acq: 19 Nov 2018 17:14

Instrument :
MSVOA_U
ClientSampleId :
H0FG7MSD

Tgt Ion: 62 Resp: 12475

Ion	Ratio	Lower	Upper
62	100		
64	50.7	21.7	40.3#

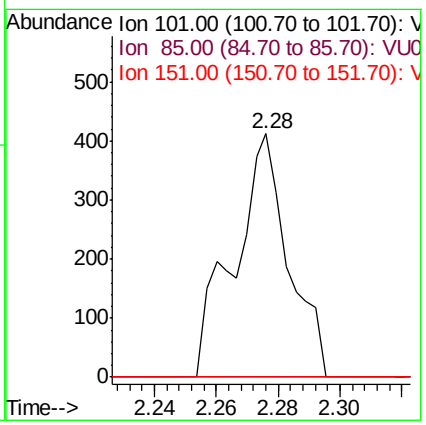


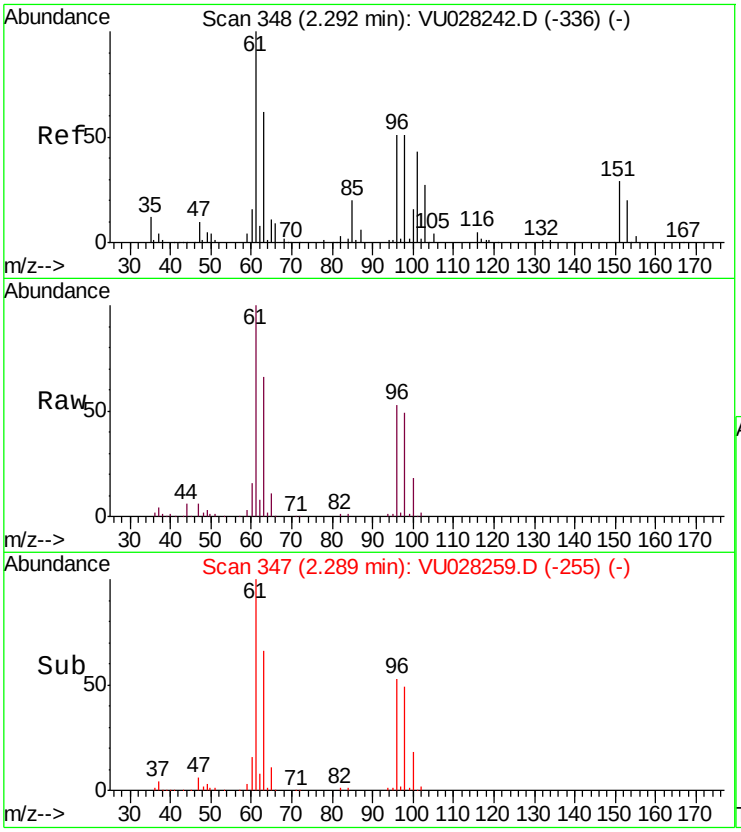


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.059 ug/L
RT: 2.28 min Scan# 343
Delta R.T. -0.02 min
Lab File: VU028259.D
Acq: 19 Nov 2018 17:14

Tgt Ion:101 Resp: 505

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



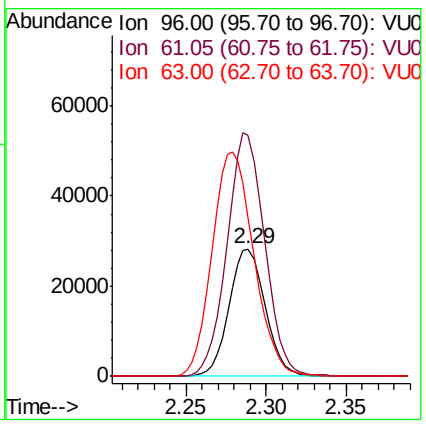


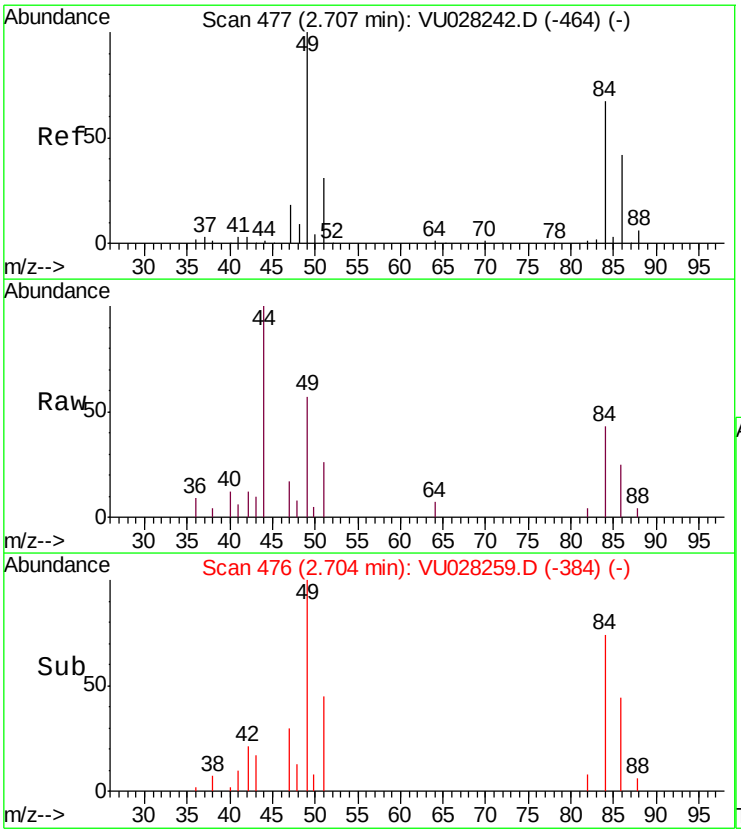
#12
1,1-Dichloroethene
Concen: 5.369 ug/L
RT: 2.29 min Scan# 347
Delta R.T. -0.00 min
Lab File: VU028259.D
Acq: 19 Nov 2018 17:14

Instrument :
MSVOA_U
ClientSampleId :
H0FG7MSD

Tgt Ion: 96 Resp: 43330

Ion	Ratio	Lower	Upper
96	100		
61	189.4	145.5	270.1
63	125.0	98.6	183.2

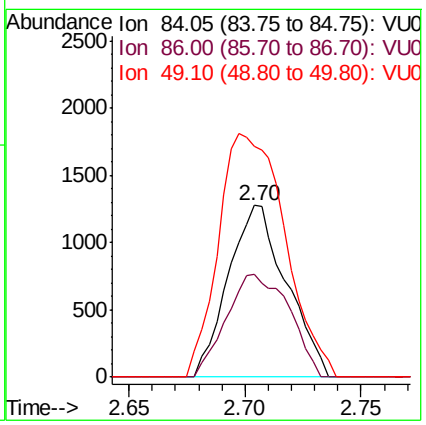


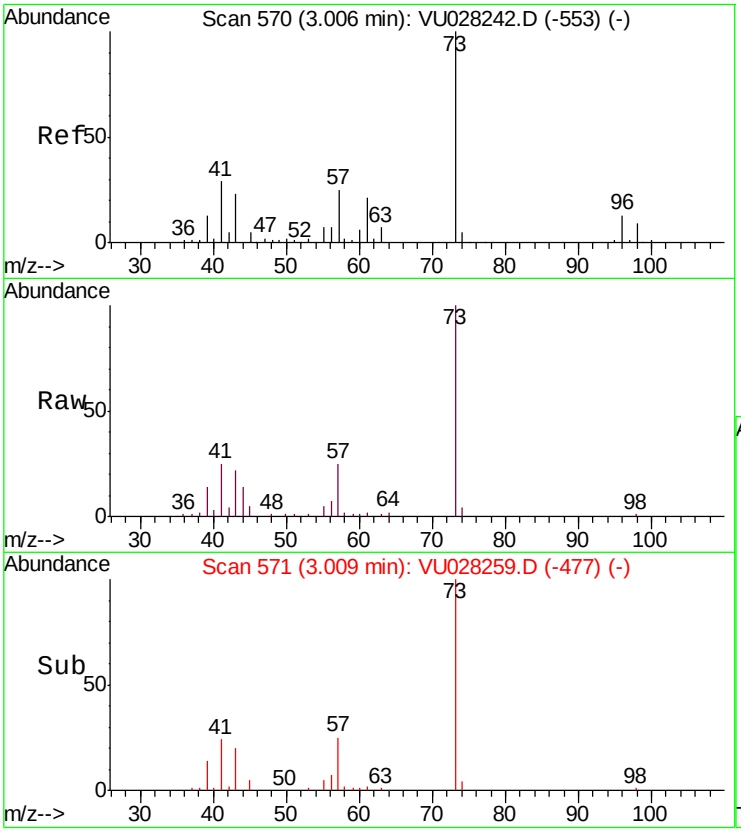


#16
Methylene chloride
Concen: 0.219 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU028259.D
Acq: 19 Nov 2018 17:14

Tgt Ion: 84 Resp: 2227

Ion	Ratio	Lower	Upper
84	100		
86	59.7	45.3	84.1
49	145.7	107.9	200.5



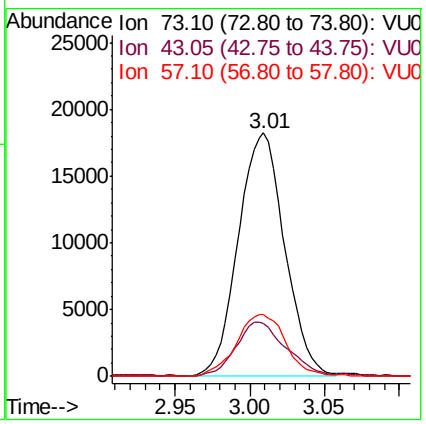


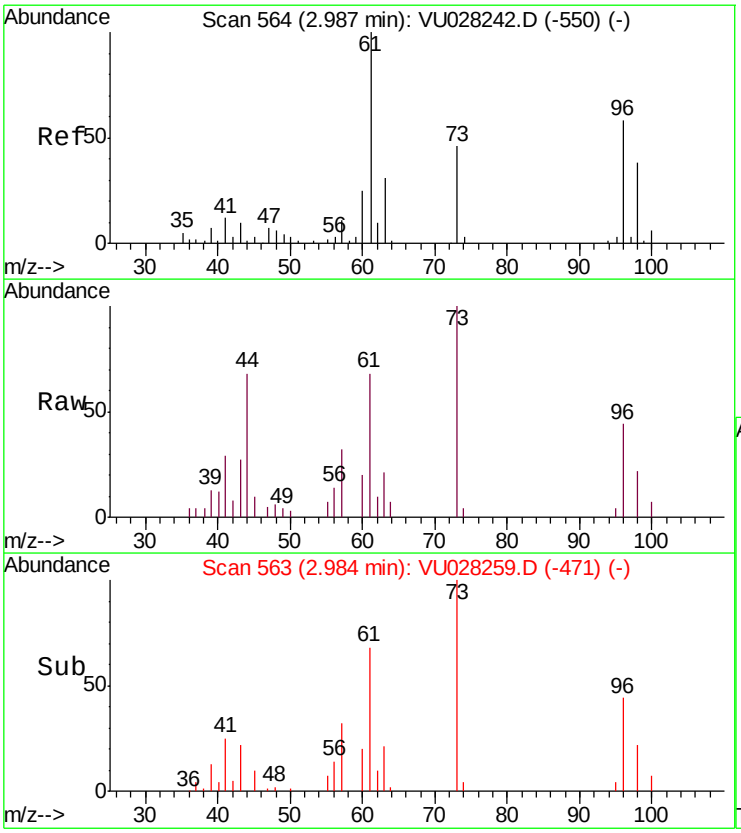
#17
Methyl tert-butyl Ether
Concen: 1.622 ug/L
RT: 3.01 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU028259.D
Acq: 19 Nov 2018 17:14

Instrument :
MSVOA_U
ClientSampleId :
H0FG7MSD

Tgt Ion: 73 Resp: 39328

Ion	Ratio	Lower	Upper
73	100		
43	24.0	18.8	28.2
57	26.9	19.2	28.8

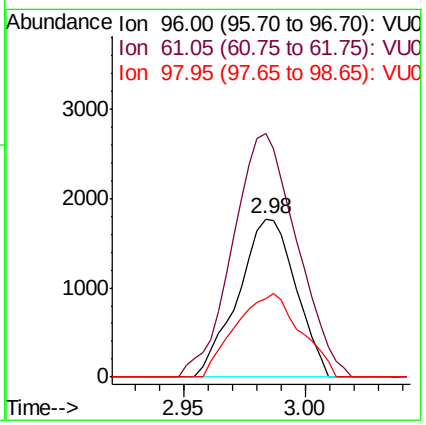


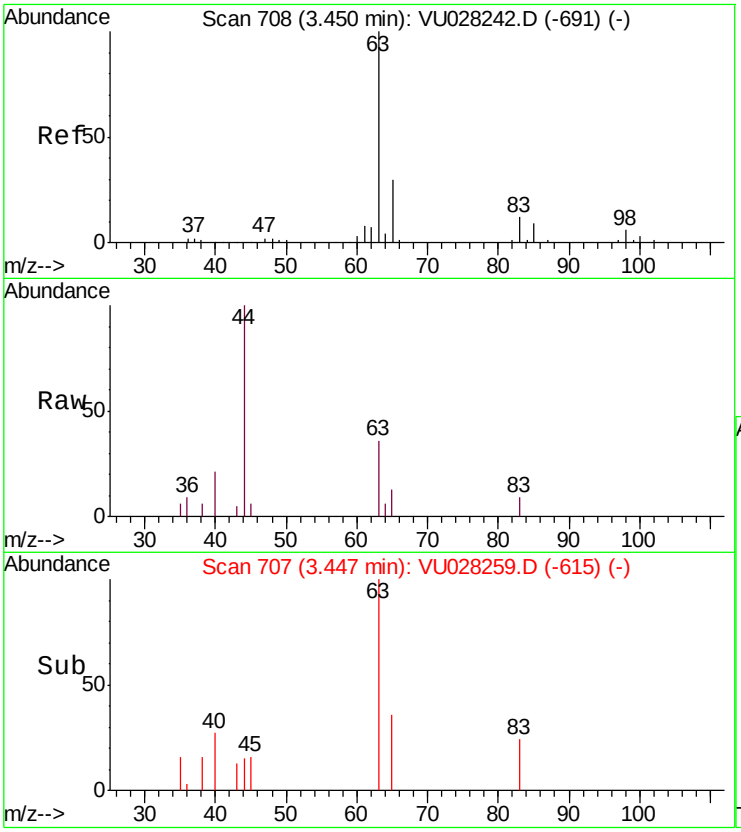


#18
trans-1,2-Dichloroethene
Concen: 0.337 ug/L
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU028259.D
Acq: 19 Nov 2018 17:14

Tgt Ion: 96 Resp: 2900

Ion	Ratio	Lower	Upper
96	100		
61	154.2	122.2	227.0
98	50.1	44.9	83.5



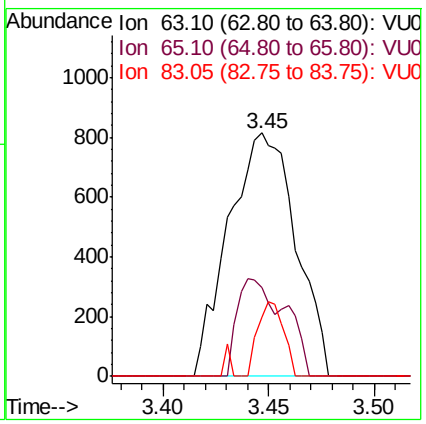


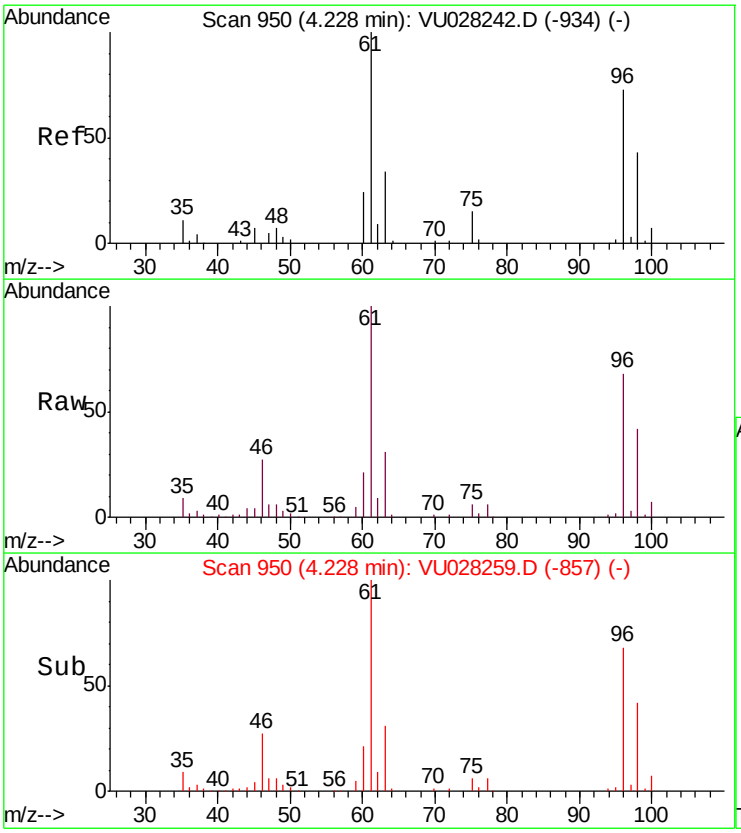
#19
1,1-Dichloroethane
Concen: 0.090 ug/L
RT: 3.45 min Scan# 707
Delta R.T. -0.00 min
Lab File: VU028259.D
Acq: 19 Nov 2018 17:14

Instrument :
MSVOA_U
ClientSampleId :
H0FG7MSD

Tgt Ion: 63 Resp: 1804

Ion	Ratio	Lower	Upper
63	100		
65	36.4	21.2	39.4
83	24.3	8.8	16.4#

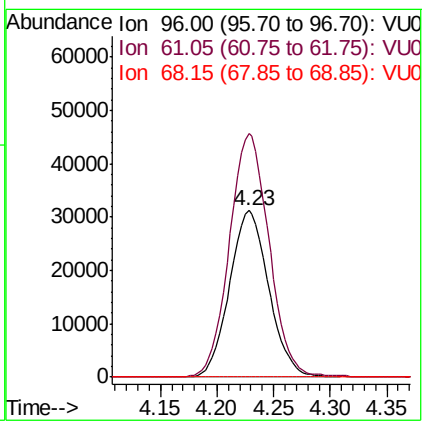


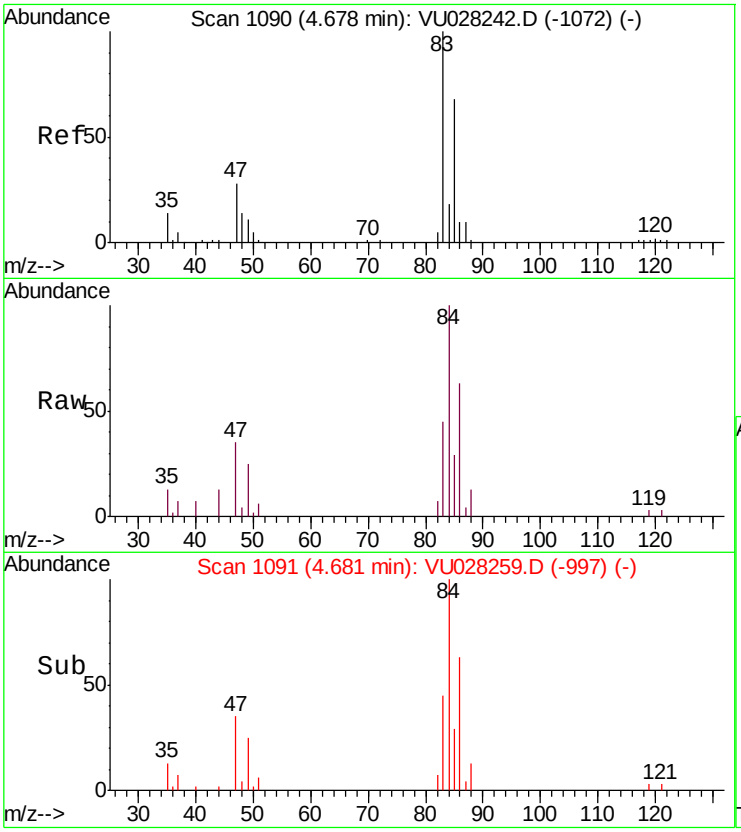


#22
cis-1,2-Dichloroethene
Concen: 7.413 ug/L
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU028259.D
Acq: 19 Nov 2018 17:14

Tgt Ion: 96 Resp: 75332

Ion	Ratio	Lower	Upper
96	100		
61	146.3	108.0	200.6
68	0.0	0.0	0.0



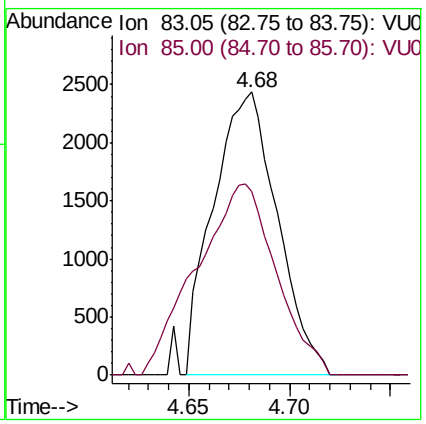


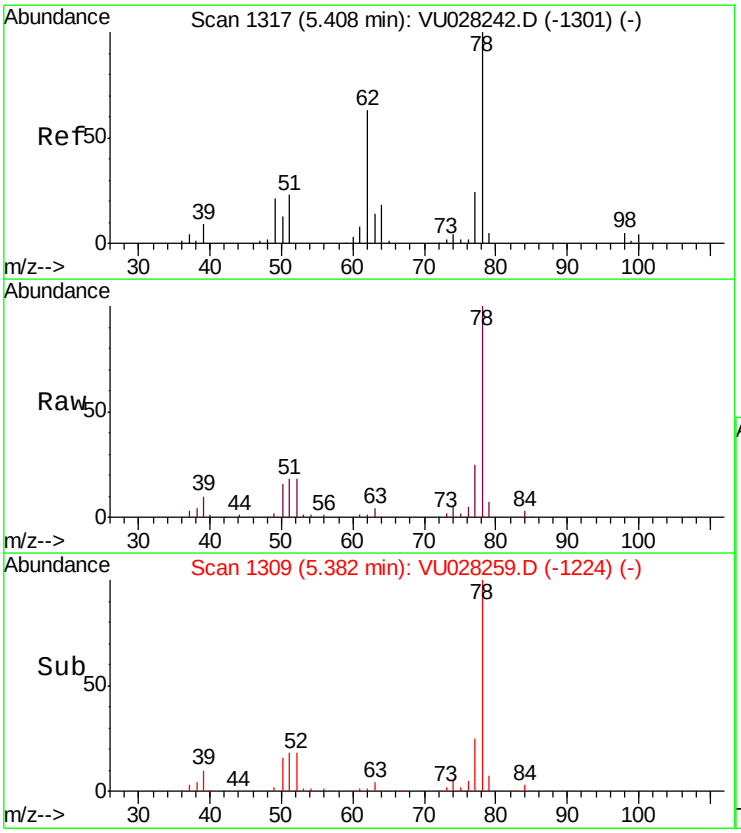
#25
Chloroform
Concen: 0.251 ug/L
RT: 4.68 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VU028259.D
Acq: 19 Nov 2018 17:14

Instrument :
MSVOA_U
ClientSampleId :
H0FG7MSD

Tgt Ion: 83 Resp: 5408

Ion	Ratio	Lower	Upper
83	100		
85	64.8	44.6	82.8

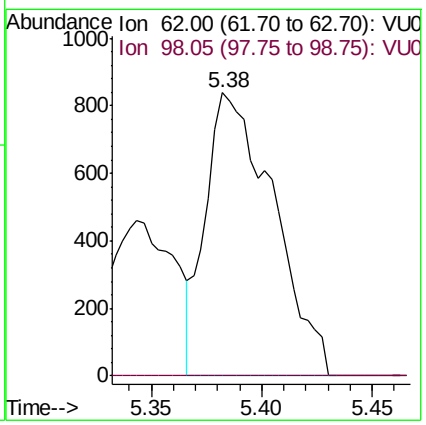


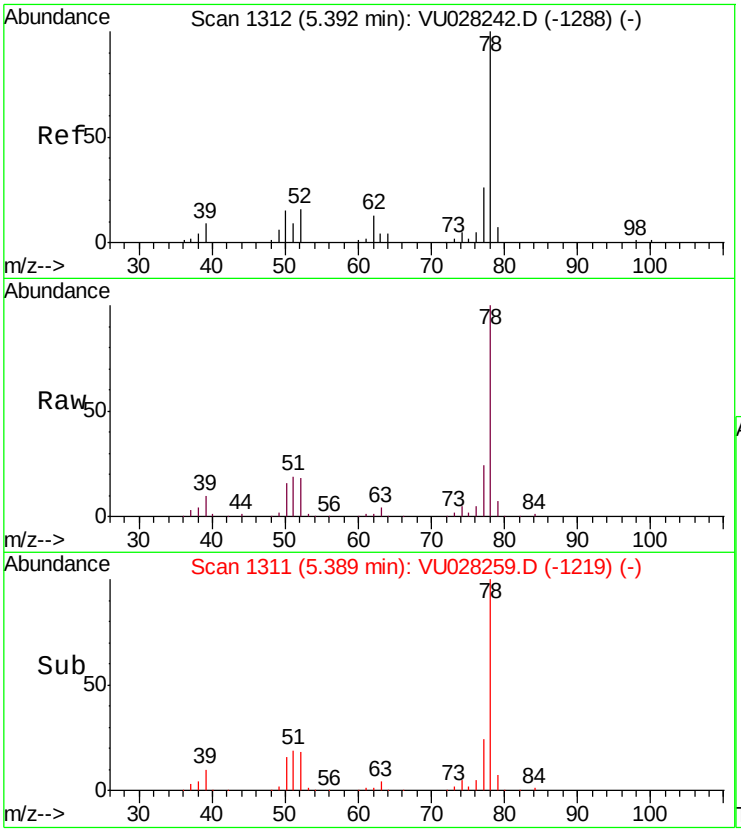


#27
1,2-Dichloroethane
Concen: 0.145 ug/L
RT: 5.38 min Scan# 1309
Delta R.T. -0.03 min
Lab File: VU028259.D
Acq: 19 Nov 2018 17:14

Tgt Ion: 62 Resp: 1782

Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.2	9.4#

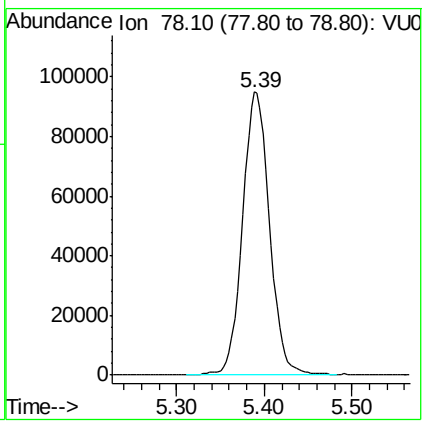


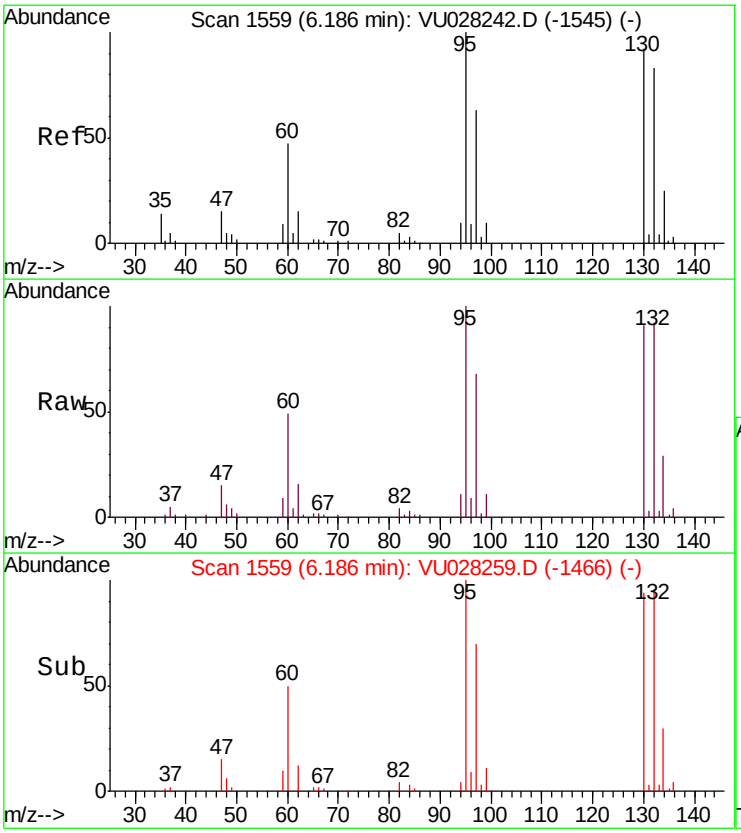


#33
Benzene
Concen: 4.837 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028259.D
Acq: 19 Nov 2018 17:14

Instrument :
MSVOA_U
ClientSampleId :
H0FG7MSD

Tgt Ion: 78 Resp: 203029

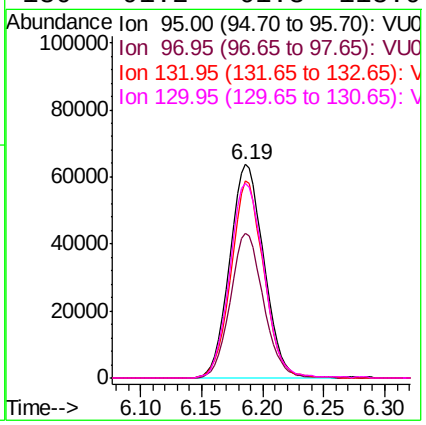


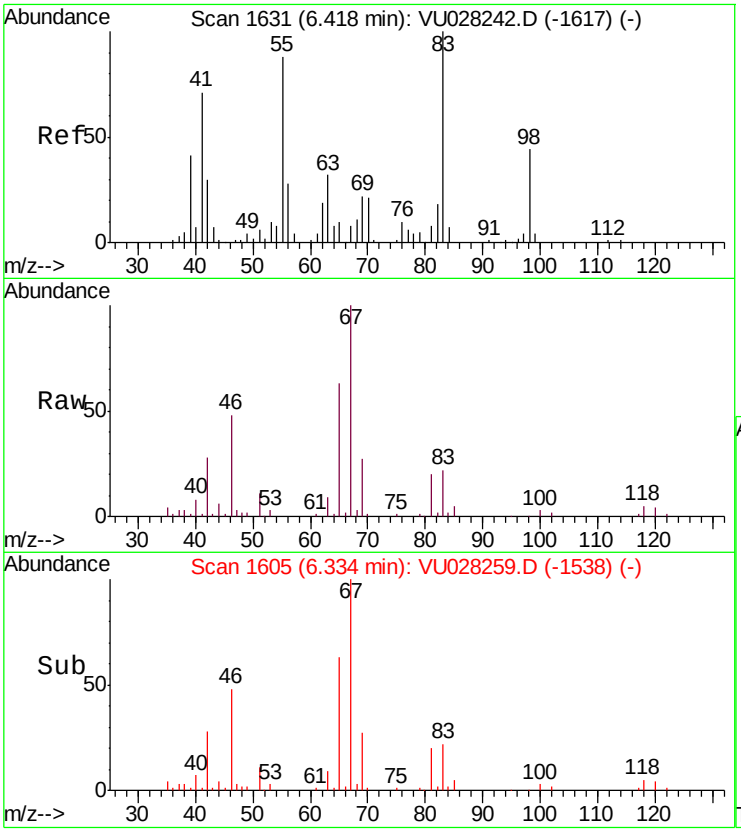


#34
Trichloroethene
Concen: 12.050 ug/L
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU028259.D
Acq: 19 Nov 2018 17:14

Tgt Ion: 95 Resp: 123813

Ion	Ratio	Lower	Upper
95	100		
97	67.6	46.5	86.3
132	92.4	58.9	109.3
130	91.2	61.3	113.9



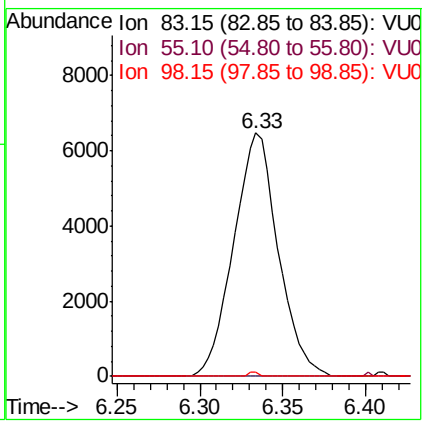


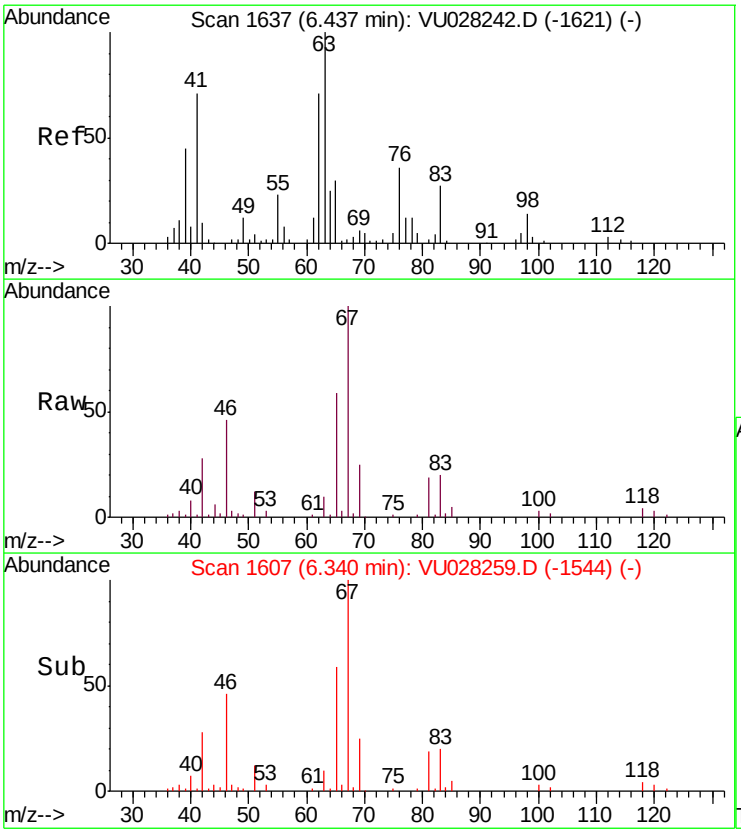
#35
Methylcyclohexane
Concen: 0.745 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU028259.D
Acq: 19 Nov 2018 17:14

Instrument : MSVOA_U
ClientSampleId : H0FG7MSD

Tgt Ion: 83 Resp: 12068

Ion	Ratio	Lower	Upper
83	100		
55	0.2	73.2	109.8#
98	0.0	33.4	50.2#

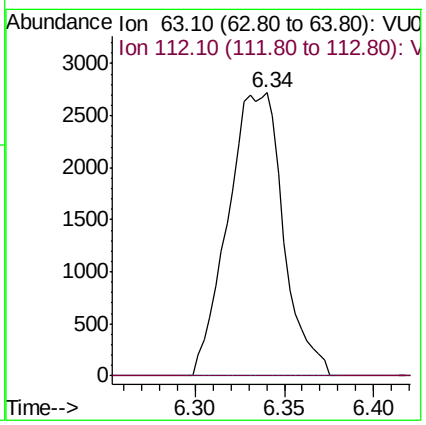


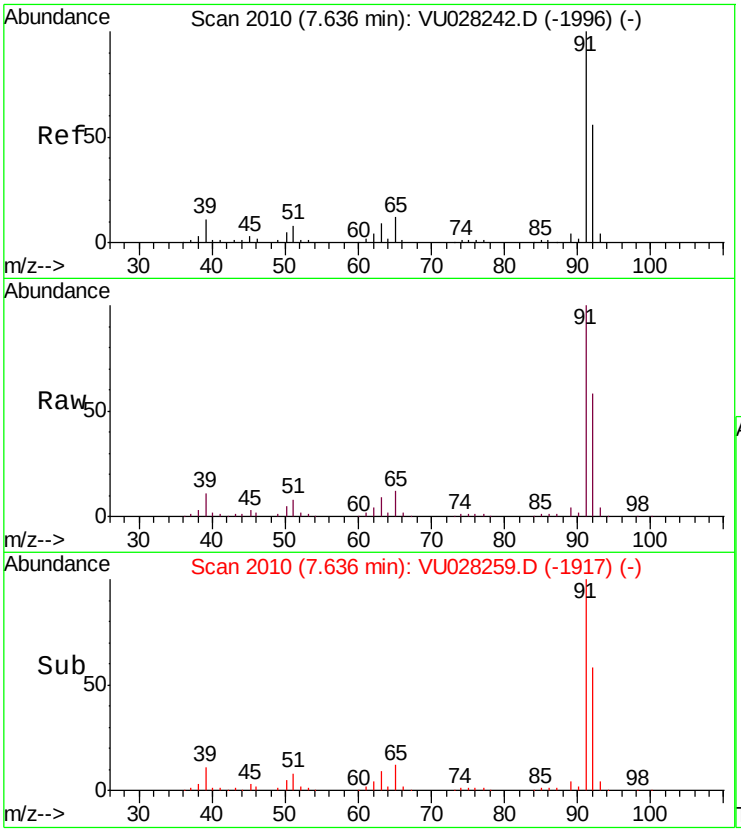


#37
1,2-Dichloropropane
Concen: 0.492 ug/L
RT: 6.34 min Scan# 1607
Delta R.T. -0.10 min
Lab File: VU028259.D
Acq: 19 Nov 2018 17:14

Tgt Ion: 63 Resp: 5895

Ion	Ratio	Lower	Upper
63	100		
112	0.0	2.2	3.2#



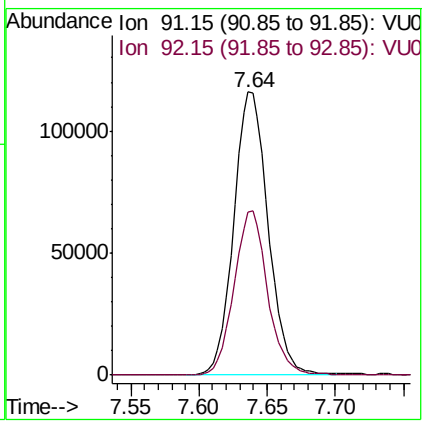


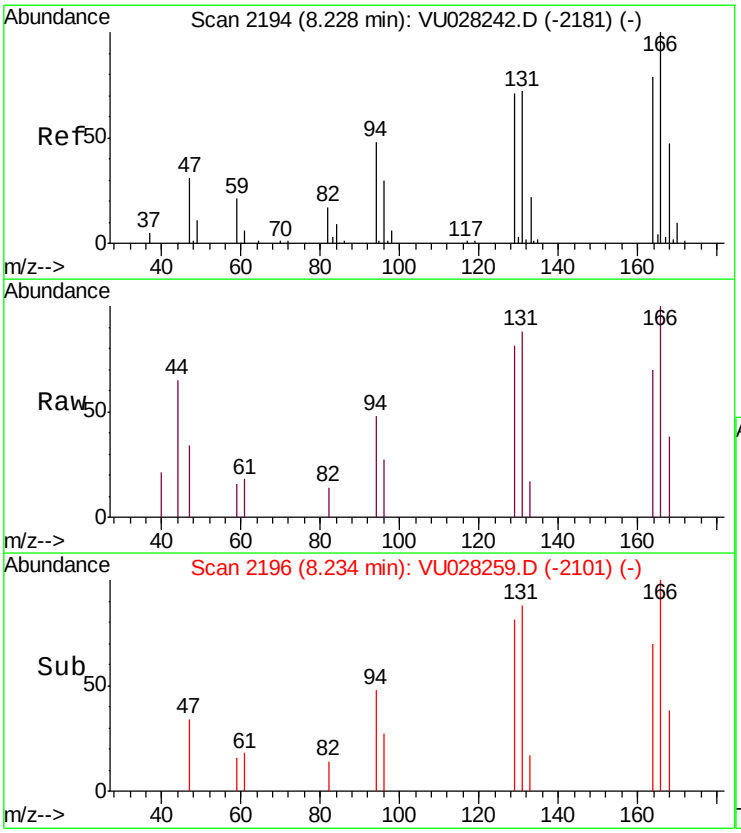
#42
Toluene
Concen: 4.769 ug/L
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU028259.D
Acq: 19 Nov 2018 17:14

Instrument : MSVOA_U
ClientSampleId : H0FG7MSD

Tgt Ion: 91 Resp: 202876

Ion	Ratio	Lower	Upper
91	100		
92	57.6	39.0	72.4

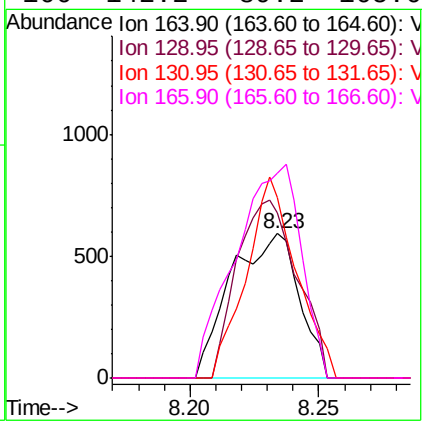


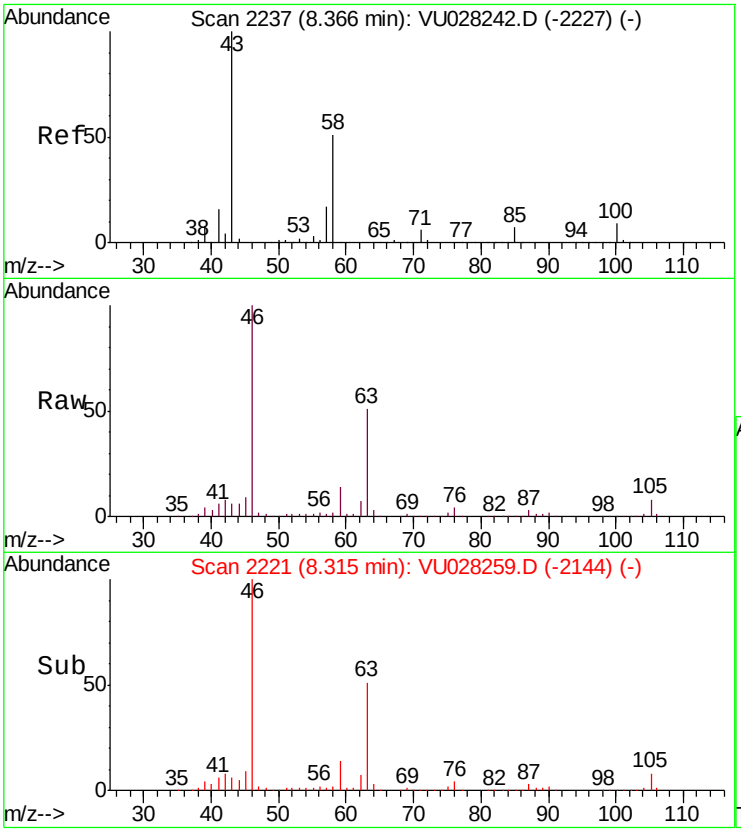


#47
Tetrachloroethene
Concen: 0.154 ug/L
RT: 8.23 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VU028259.D
Acq: 19 Nov 2018 17:14

Tgt Ion:164 Resp: 1096

Ion	Ratio	Lower	Upper
164	100		
129	114.5	67.6	125.6
131	125.3	66.3	123.1#
166	142.2	89.2	165.6



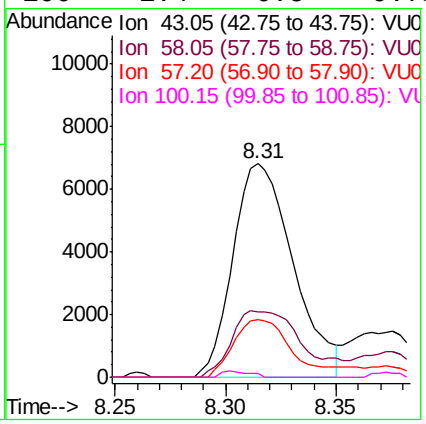


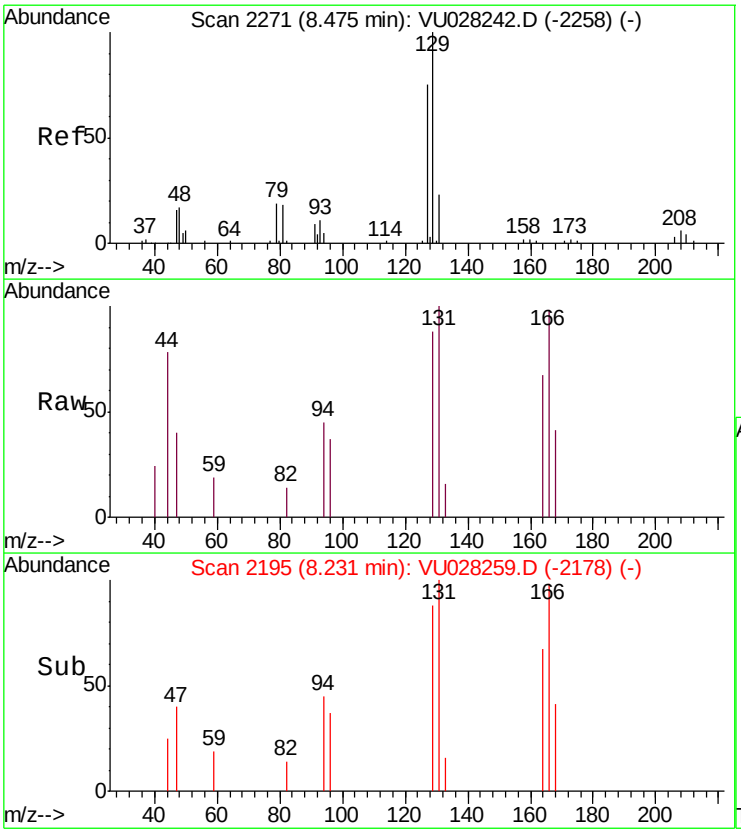
#48
2-Hexanone
Concen: 2.118 ug/L
RT: 8.31 min Scan# 2221
Delta R.T. -0.05 min
Lab File: VU028259.D
Acq: 19 Nov 2018 17:14

Instrument : MSVOA_U
ClientSampleId : H0FG7MSD

Tgt Ion: 43 Resp: 12932

Ion	Ratio	Lower	Upper
43	100		
58	36.9	41.1	61.7#
57	27.8	13.8	20.8#
100	1.4	6.5	9.7#

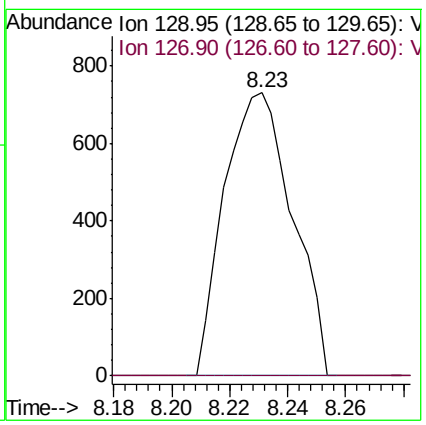


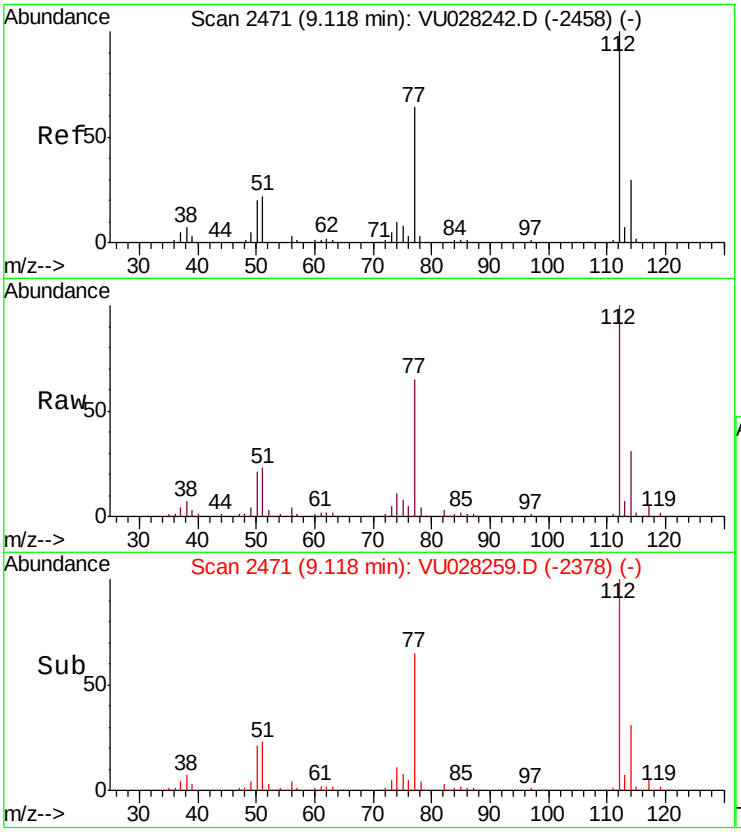


#49
Dibromochloromethane
Concen: 0.163 ug/L
RT: 8.23 min Scan# 2195
Delta R.T. -0.24 min
Lab File: VU028259.D
Acq: 19 Nov 2018 17:14

Tgt Ion:129 Resp: 1191

Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.5#



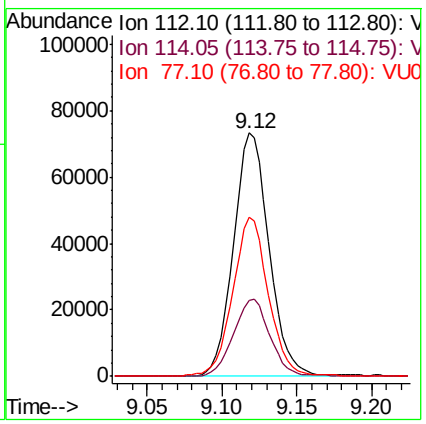


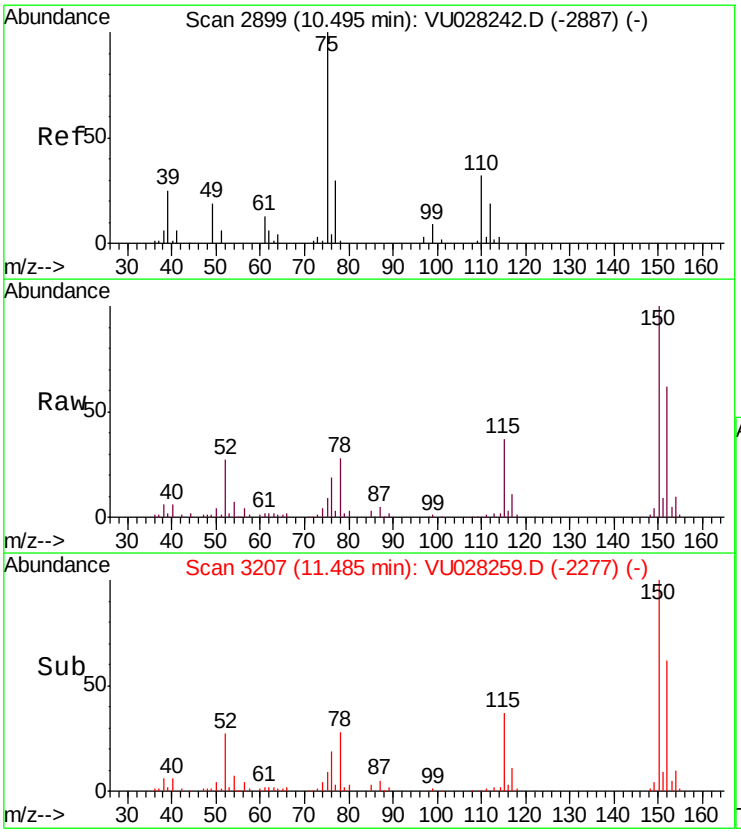
#51
Chlorobenzene
Concen: 4.951 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028259.D
Acq: 19 Nov 2018 17:14

Instrument : MSVOA_U
ClientSampleId : H0FG7MSD

Tgt Ion:112 Resp: 121290

Ion	Ratio	Lower	Upper
112	100		
114	31.0	22.3	41.5
77	65.3	52.4	78.6





#59
1,2,3-Trichloropropane
Concen: 1.118 ug/L
RT: 11.48 min Scan# 3207
Delta R.T. 0.99 min
Lab File: VU028259.D
Acq: 19 Nov 2018 17:14

Tgt Ion: 75 Resp: 7740

Ion	Ratio	Lower	Upper
75	100		
77	35.9	25.7	38.5