Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071719\

Quantitation Report (Not Reviewed)

Data File : VU033285.D
Acq On : 17 Jul 2019 12:50
Operator : JC/SP
Sample : K3772-22
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A52M0

Quant Time: Jul 18 08:05:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 08:01:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	128135	5.00	ug/L		0.00
28) Chlorobenzene-d5	9.07	117	133676	5.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	57827	5.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.39	65	54382	4.21	ug/L		0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 84.20%				
7) Chloroethane-d5	1.67	69	48806	4.54	ug/L		0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 90.80%				
11) 1,1-Dichloroethene-d2	2.26	63	99645	3.99	ug/L		0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 79.80%				
20) 2-Butanone-d5	4.17	46	110028	45.25	ug/L		0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 90.50%				
24) Chloroform-d	4.62	84	79684	4.18	ug/L		0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 83.60%				
26) 1,2-Dichloroethane-d4	5.29	65	49696	4.83	ug/L		0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 96.60%				
32) Benzene-d6	5.32	84	177670	4.77	ug/L		0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 95.40%				
36) 1,2-Dichloropropane-d6	6.31	67	56957	4.81	ug/L		0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 96.20%				
41) Toluene-d8	7.55	98	158007	4.48	ug/L		0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 89.60%				
43) trans-1,3-Dichloropropene-	7.84	79	20712	4.36	ug/L		0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 87.20%				
46) 2-Hexanone-d5	8.30	63	85878	44.04	ug/L		0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 88.08%				
57) 1,1,2,2-Tetrachloroethane-	10.42	84	47199	4.80	ug/L		0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 96.00%				
64) 1,2-Dichlorobenzene-d4	11.85	152	58807	5.22	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 104.40%				
Target Compounds							Qvalue
5) Vinyl chloride	1.40	62	121199	8.786	ug/L		100
12) 1,1-Dichloroethene	2.27	96	22272	2.116	ug/L	#	70
13) Acetone	2.31	43	6623	3.111	ug/L		99
18) trans-1,2-Dichloroethene	2.96	96	21626	1.860	ug/L		99
19) 1,1-Dichloroethane	3.42	63	10265	0.587	ug/L		94
22) cis-1,2-Dichloroethene	4.20	96	5016274	510.422	ug/L		92
25) Chloroform	4.65	83	10657	0.551	ug/L		96
29) 1,1,1-Trichloroethane	4.89	97	6708	0.434	ug/L		92
34) Trichloroethene	6.16	95	3721631	371.527	ug/L		97
35) Methylcyclohexane	6.31	83	13694	0.907	ug/L	#	19
37) 1,2-Dichloropropane	6.31	63	6660	0.651	ug/L	#	91
44) trans-1,3-Dichloropropene	7.84	75	1106	0.094	ug/L	#	78
47) Tetrachloroethene	8.21	164	3335	0.415	ug/L		96
49) Dibromochloromethane	8.21	129	3229	0.366	ug/L	#	12
59) 1,2,3-Trichloropropane	11.47	75	8407	1.259	ug/L		98
62) 1,3-Dichlorobenzene	11.49	146	2793	0.162	ug/L	#	87
63) 1,4-Dichlorobenzene	11.49	146	2793	0.153	ug/L	#	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071719\

Quantitation Report (Not Reviewed)

Data File : VU033285.D
Acq On : 17 Jul 2019 12:50
Operator : JC/SP
Sample : K3772-22
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A52M0

Quant Time: Jul 18 08:05:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 08:01:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
65) 1,2-Dichlorobenzene	11.86	146	3701	0.216 ug/L #	91
66) 1,2-Dibromo-3-chloropropan	12.62	75	3809	2.934 ug/L #	2

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

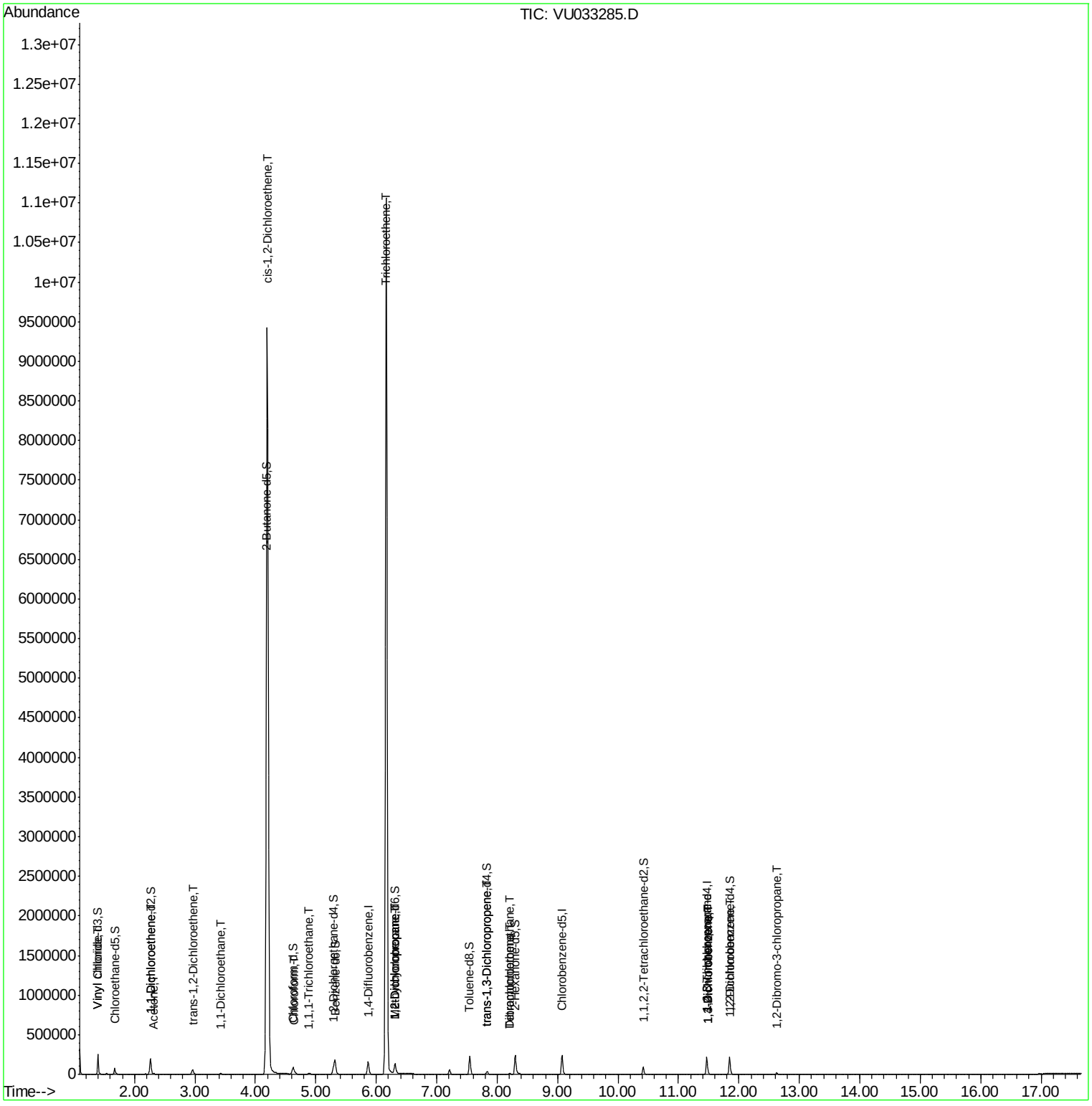
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071719\

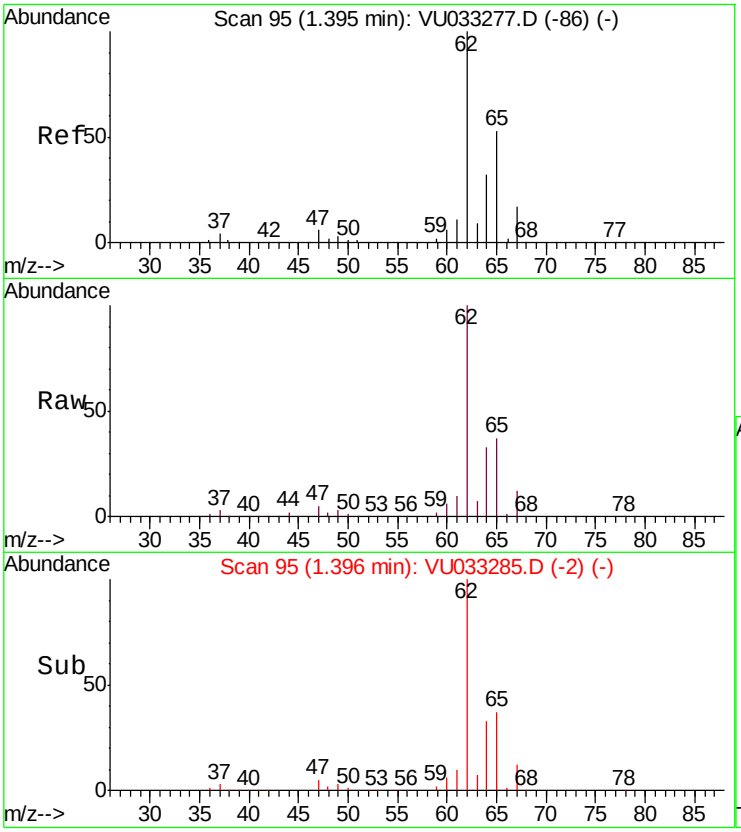
Quantitation Report (Not Reviewed)

Data File : VU033285.D
Acq On : 17 Jul 2019 12:50
Operator : JC/SP
Sample : K3772-22
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A52M0

Quant Time: Jul 18 08:05:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 08:01:21 2019
Response via : Initial Calibration



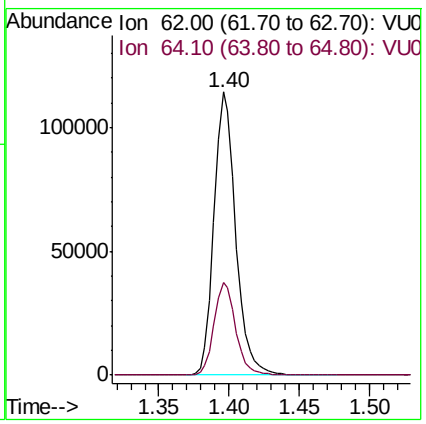


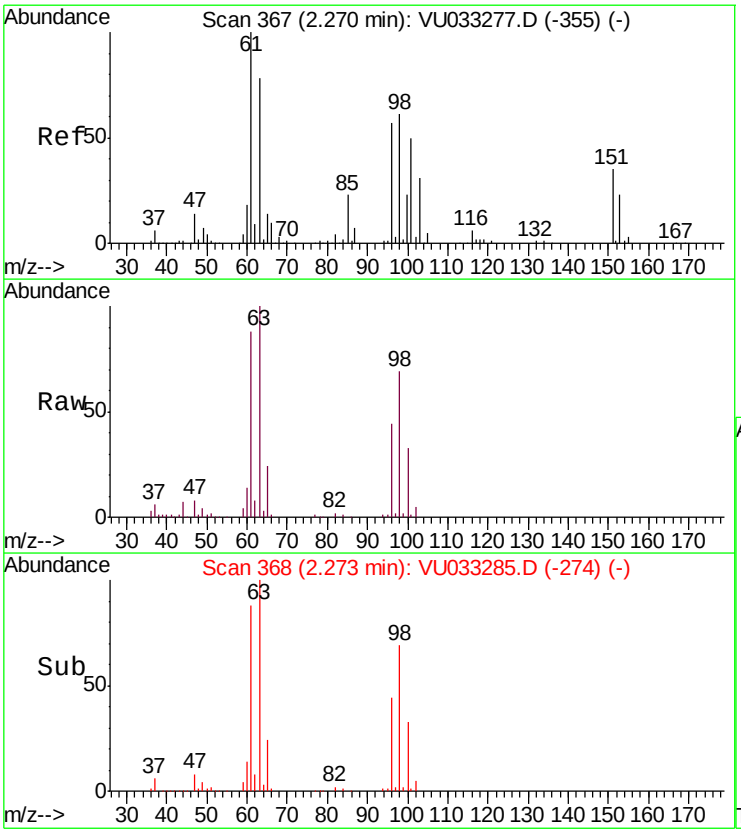
#5
Vinyl chloride
Concen: 8.786 ug/L
RT: 1.40 min Scan# 95
Delta R.T. 0.00 min
Lab File: VU033285.D
Acq: 17 Jul 2019 12:50

Instrument : MSVOA_U
ClientSampleId : A52M0

Tgt Ion: 62 Resp: 121199

Ion	Ratio	Lower	Upper
62	100		
64	32.8	22.8	42.4

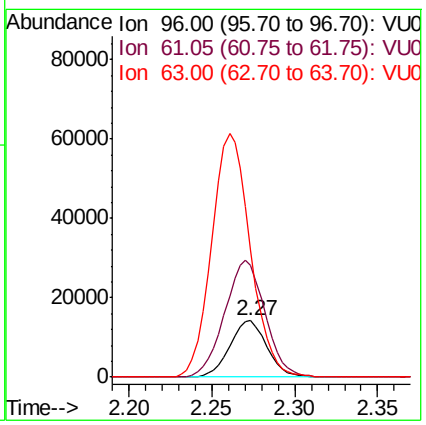


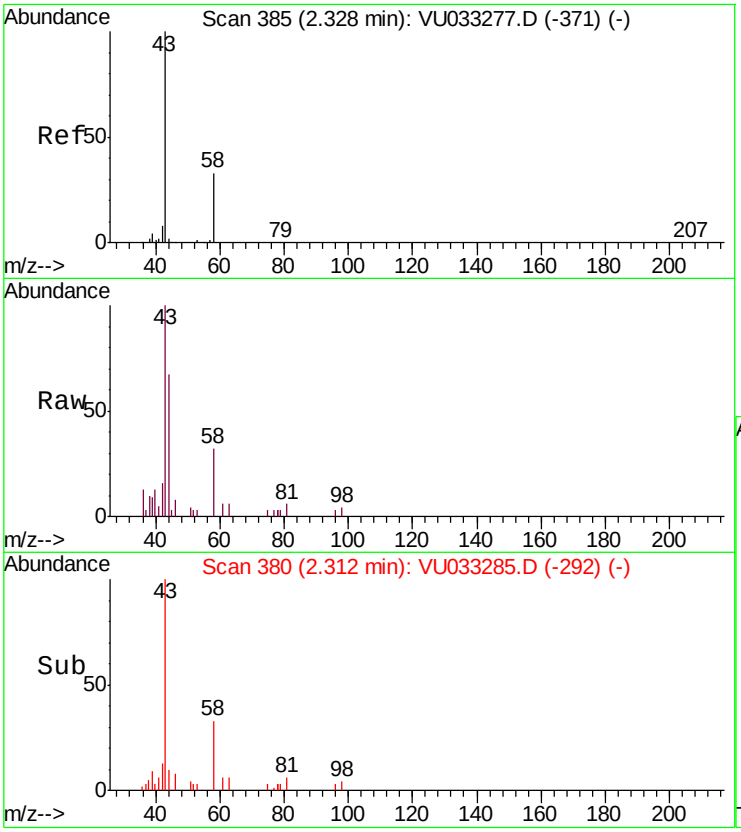


#12
1,1-Dichloroethene
Concen: 2.116 ug/L
RT: 2.27 min Scan# 368
Delta R.T. 0.00 min
Lab File: VU033285.D
Acq: 17 Jul 2019 12:50

Tgt Ion: 96 Resp: 22272

Ion	Ratio	Lower	Upper
96	100		
61	198.5	129.3	240.1
63	226.3	108.9	202.3#



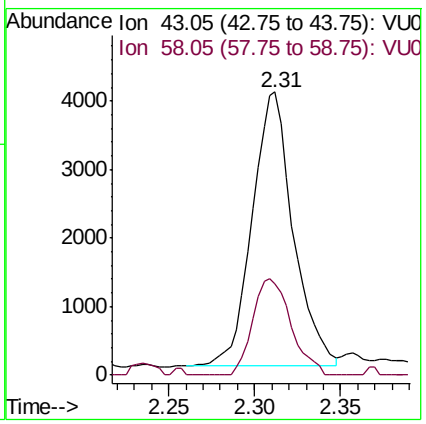


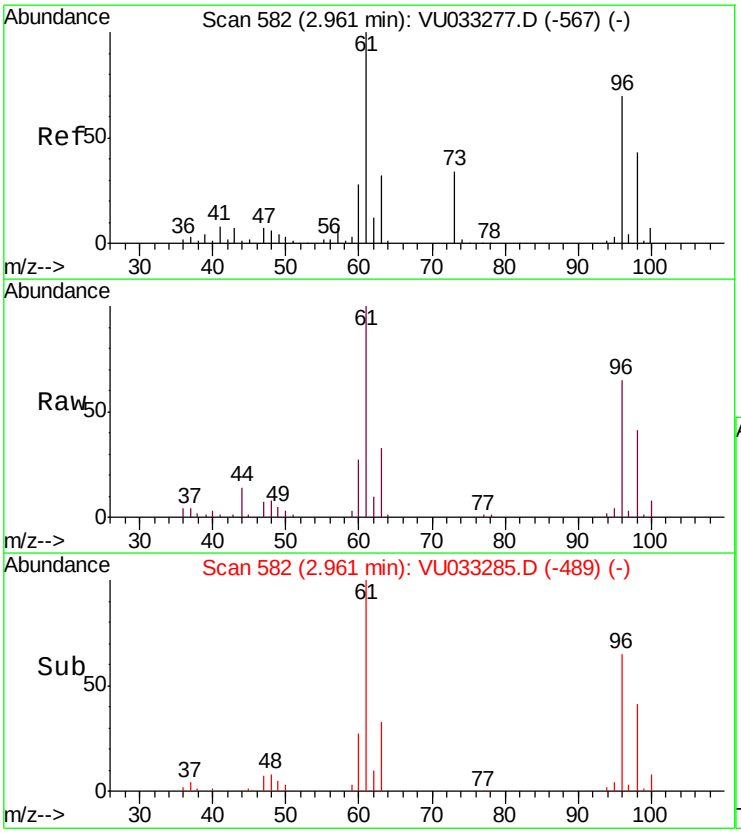
#13
Acetone
Concen: 3.111 ug/L
RT: 2.31 min Scan# 380
Delta R.T. -0.02 min
Lab File: VU033285.D
Acq: 17 Jul 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
A52M0

Tgt Ion: 43 Resp: 6623

Ion	Ratio	Lower	Upper
43	100		
58	32.7	0.0	66.6

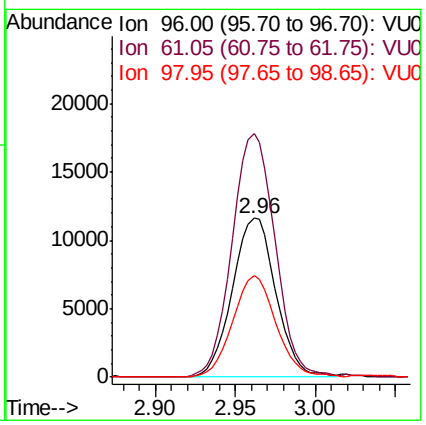


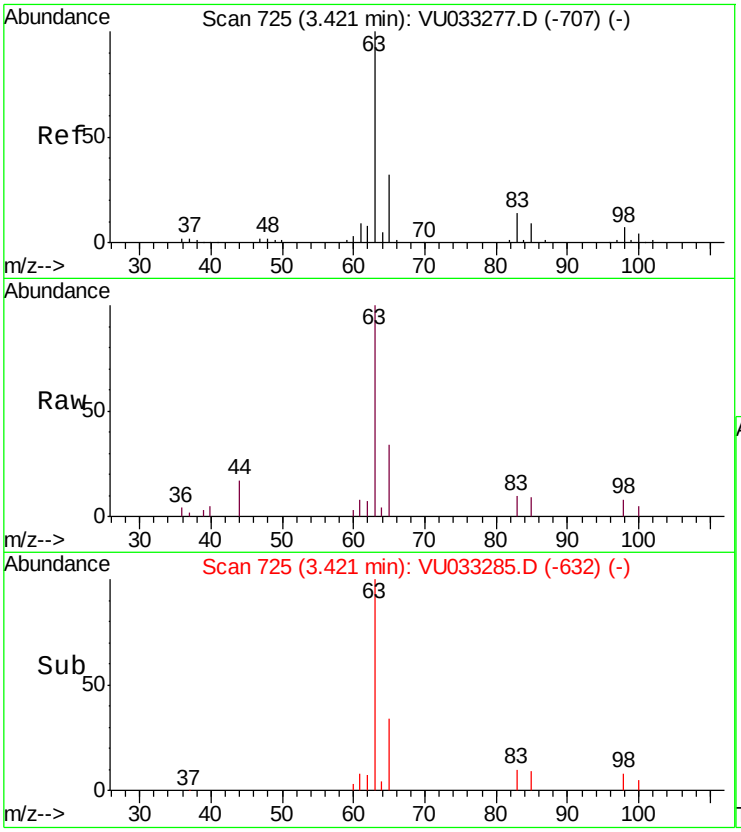


#18
trans-1,2-Dichloroethene
Concen: 1.860 ug/L
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU033285.D
Acq: 17 Jul 2019 12:50

Tgt Ion: 96 Resp: 21626

Ion	Ratio	Lower	Upper
96	100		
61	153.1	107.1	198.9
98	63.5	45.4	84.4



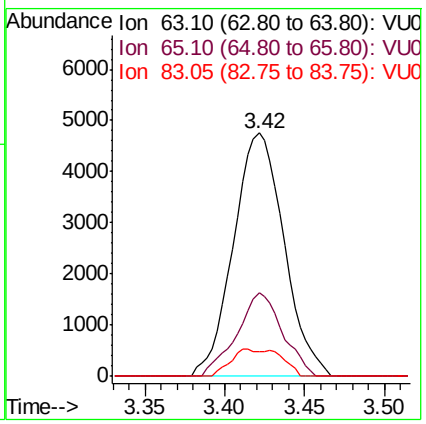


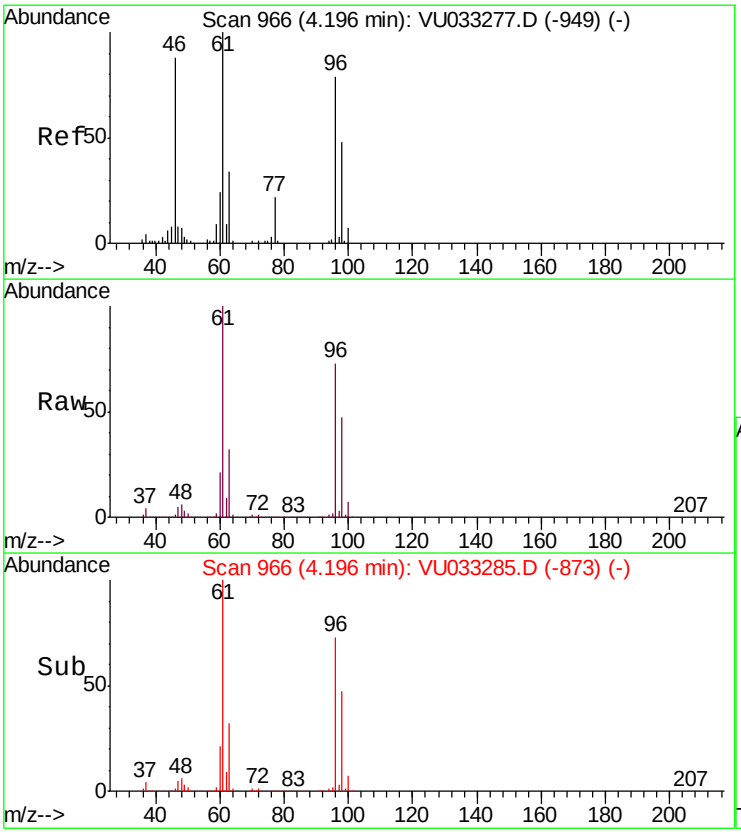
#19
1,1-Dichloroethane
Concen: 0.587 ug/L
RT: 3.42 min Scan# 725
Delta R.T. 0.00 min
Lab File: VU033285.D
Acq: 17 Jul 2019 12:50

Instrument : MSVOA_U
ClientSampleId : A52M0

Tgt Ion: 63 Resp: 10265

Ion	Ratio	Lower	Upper
63	100		
65	34.2	21.7	40.3
83	10.1	9.0	16.8

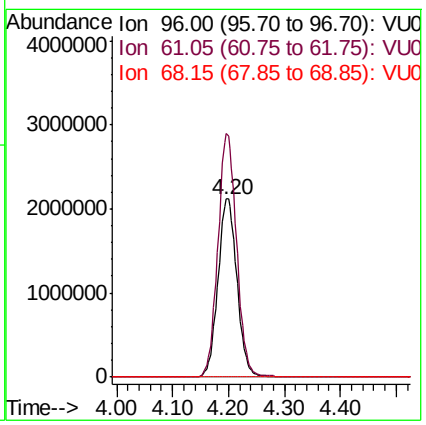


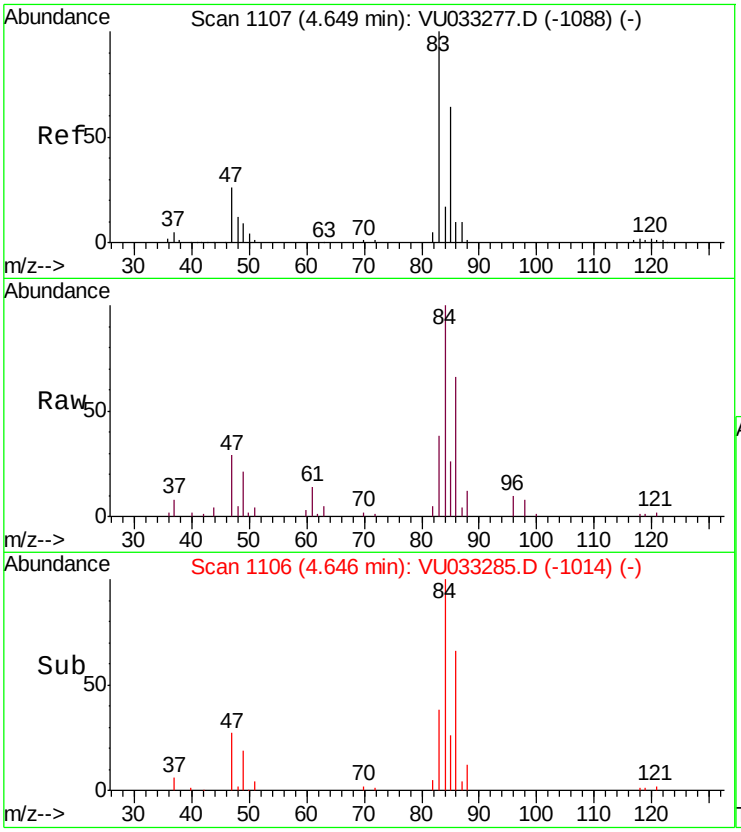


#22
cis-1,2-Dichloroethene
Concen: 510.422 ug/L
RT: 4.20 min Scan# 966
Delta R.T. 0.00 min
Lab File: VU033285.D
Acq: 17 Jul 2019 12:50

Tgt Ion: 96 Resp: 5016274

Ion	Ratio	Lower	Upper
96	100		
61	136.9	89.2	165.6
68	0.0	0.0	0.0



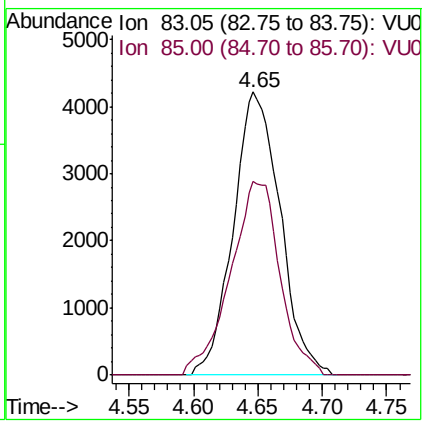


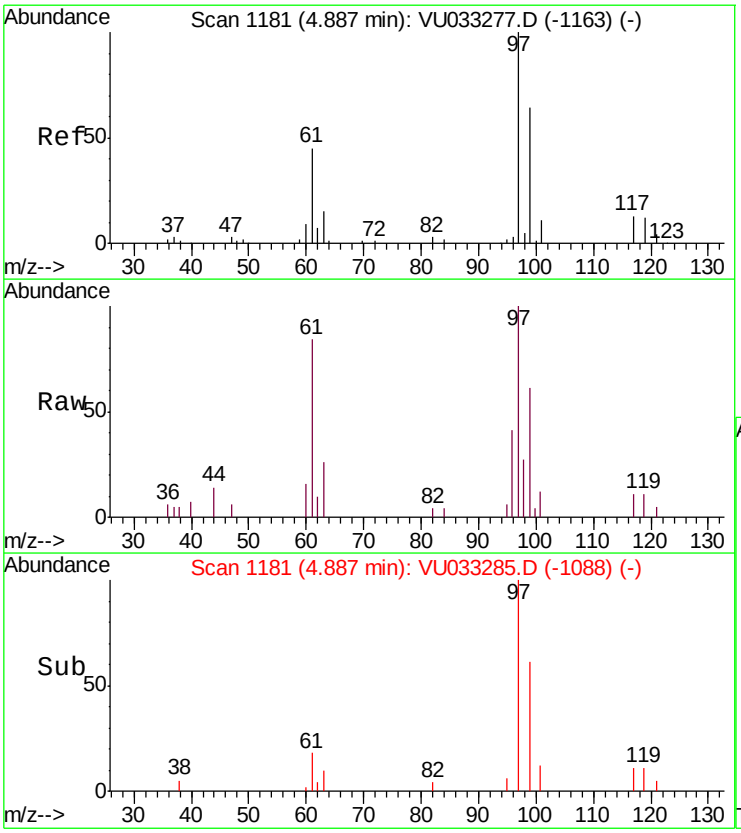
#25
Chloroform
Concen: 0.551 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033285.D
Acq: 17 Jul 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
A52M0

Tgt Ion: 83 Resp: 10657

Ion	Ratio	Lower	Upper
83	100		
85	68.4	45.4	84.4

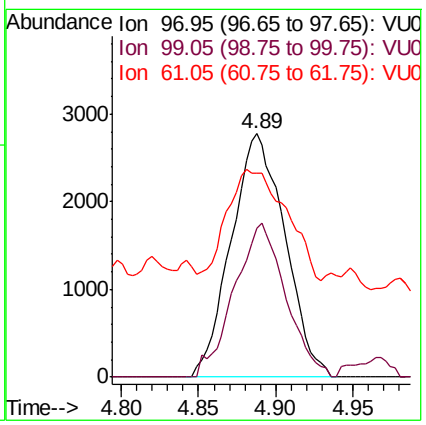


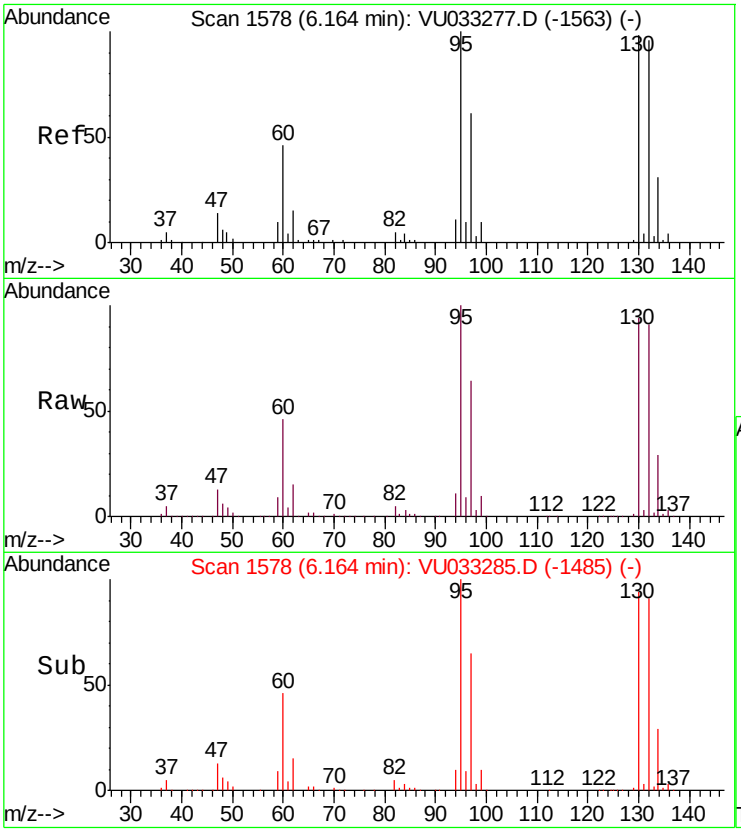


#29
1,1,1-Trichloroethane
Concen: 0.434 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU033285.D
Acq: 17 Jul 2019 12:50

Tgt Ion: 97 Resp: 6708

Ion	Ratio	Lower	Upper
97	100		
99	60.5	51.6	77.4
61	53.9	36.2	54.4



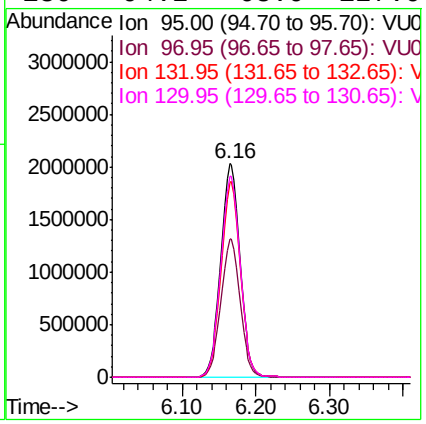


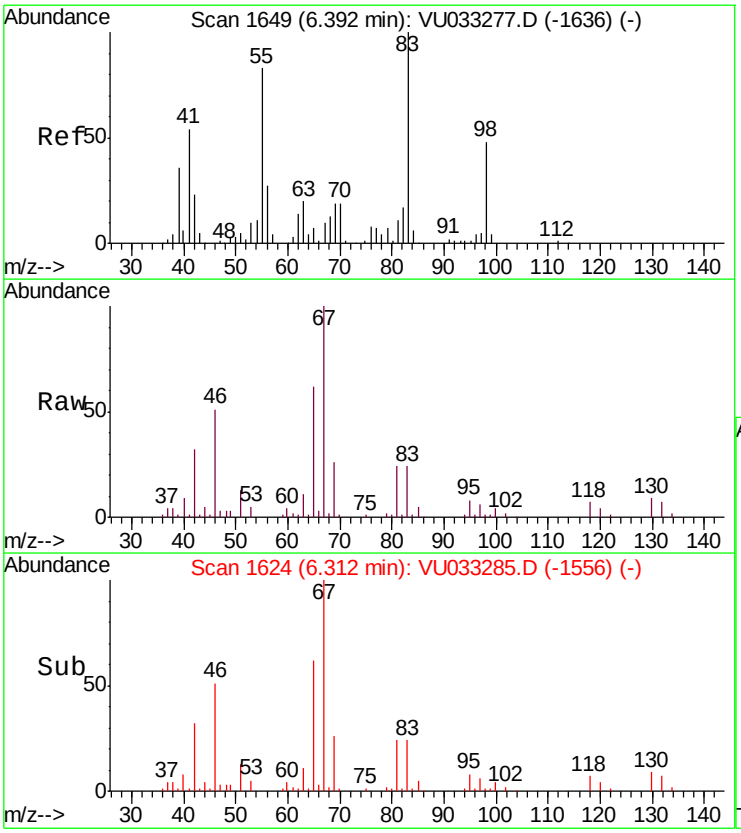
#34
Trichloroethene
Concen: 371.527 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VU033285.D
Acq: 17 Jul 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
A52M0

Tgt Ion: 95 Resp: 3721631

Ion	Ratio	Lower	Upper
95	100		
97	64.4	44.5	82.7
132	91.0	66.6	123.8
130	94.2	68.9	127.9

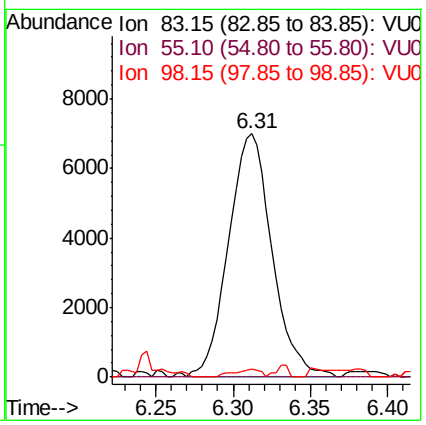


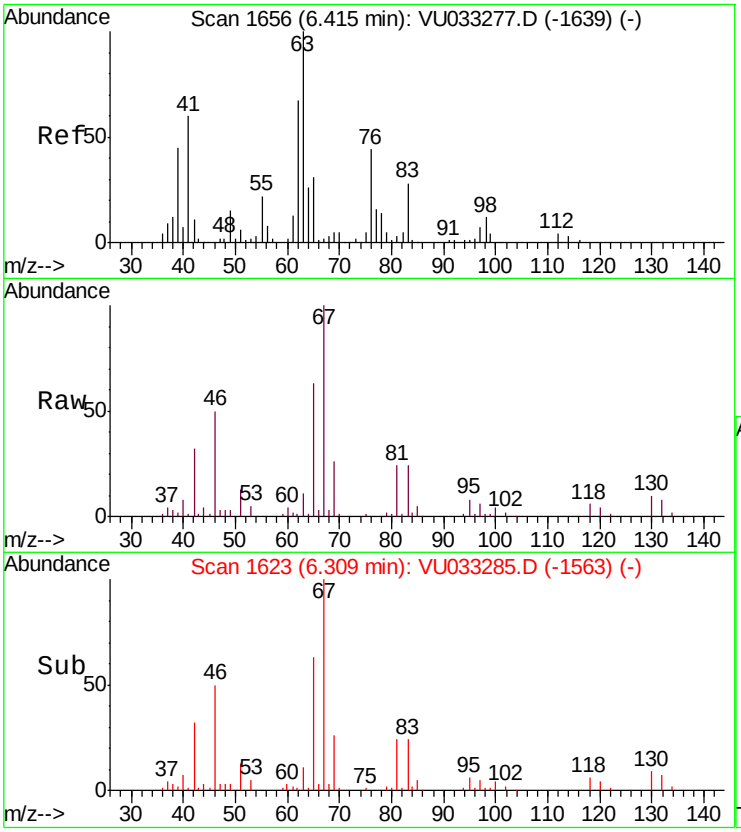


#35
Methylcyclohexane
Concen: 0.907 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.08 min
Lab File: VU033285.D
Acq: 17 Jul 2019 12:50

Tgt Ion: 83 Resp: 13694

Ion	Ratio	Lower	Upper
83	100		
55	1.0	62.6	94.0#
98	0.0	36.2	54.2#



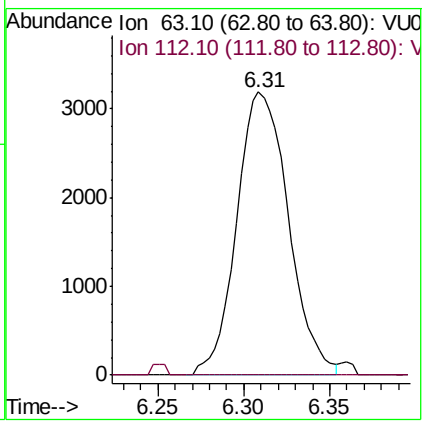


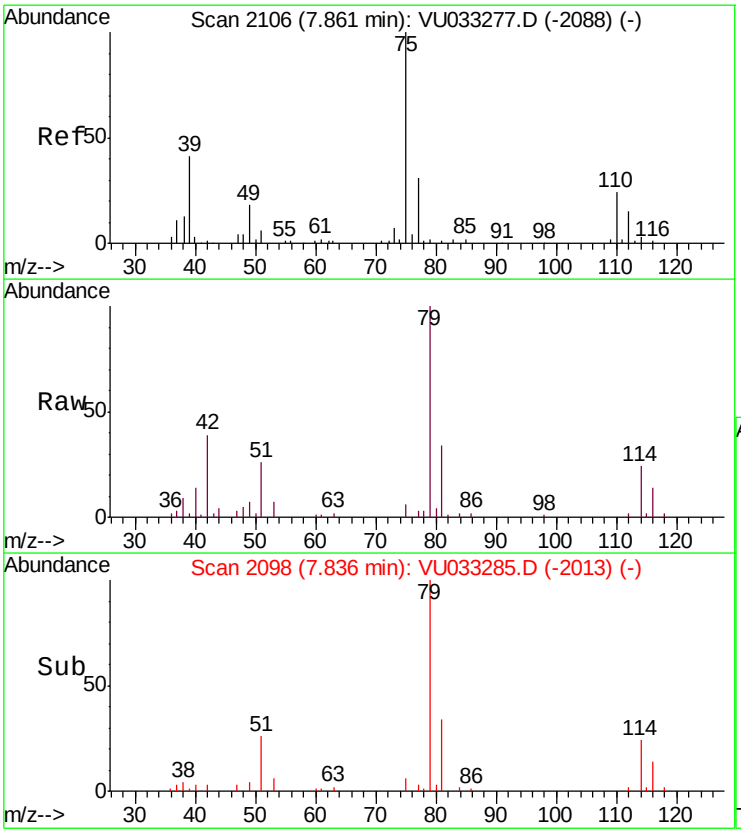
#37
1,2-Dichloropropane
Concen: 0.651 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.11 min
Lab File: VU033285.D
Acq: 17 Jul 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
A52M0

Tgt Ion: 63 Resp: 6660

Ion	Ratio	Lower	Upper
63	100		
112	1.1	3.1	4.7#

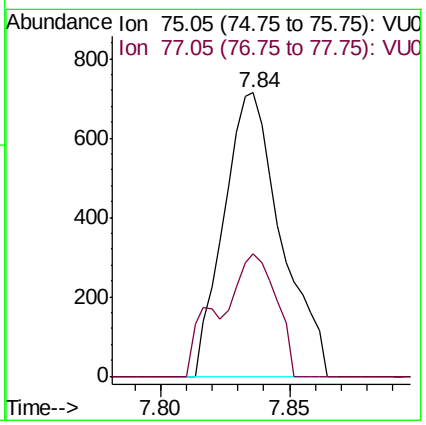


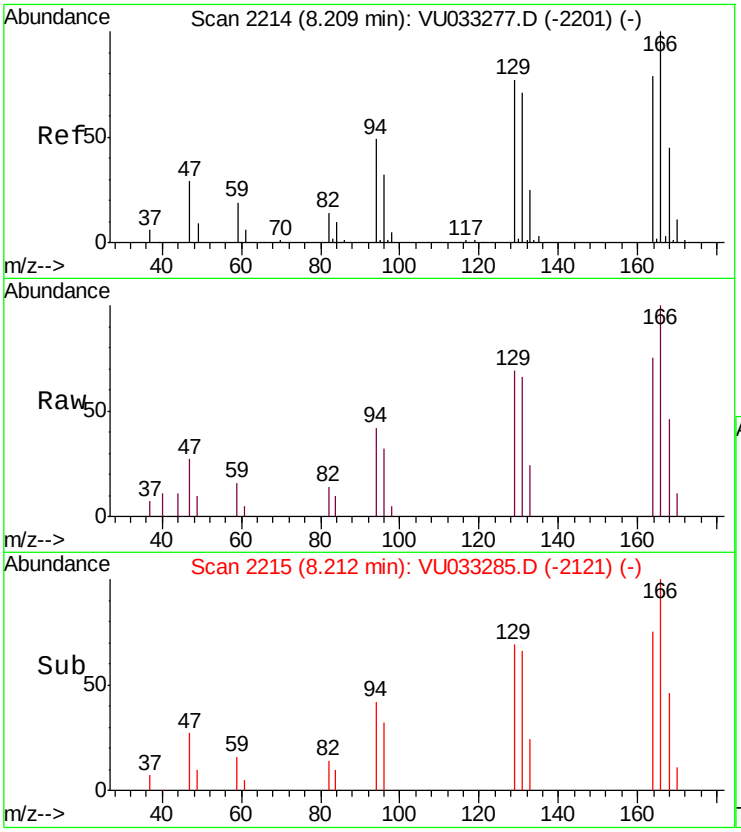


#44
trans-1,3-Dichloropropene
Concen: 0.094 ug/L
RT: 7.84 min Scan# 2098
Delta R.T. -0.03 min
Lab File: VU033285.D
Acq: 17 Jul 2019 12:50

Tgt Ion: 75 Resp: 1106

Ion	Ratio	Lower	Upper
75	100		
77	43.0	21.6	40.0#



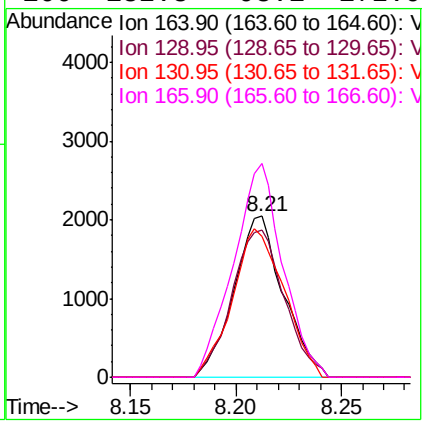


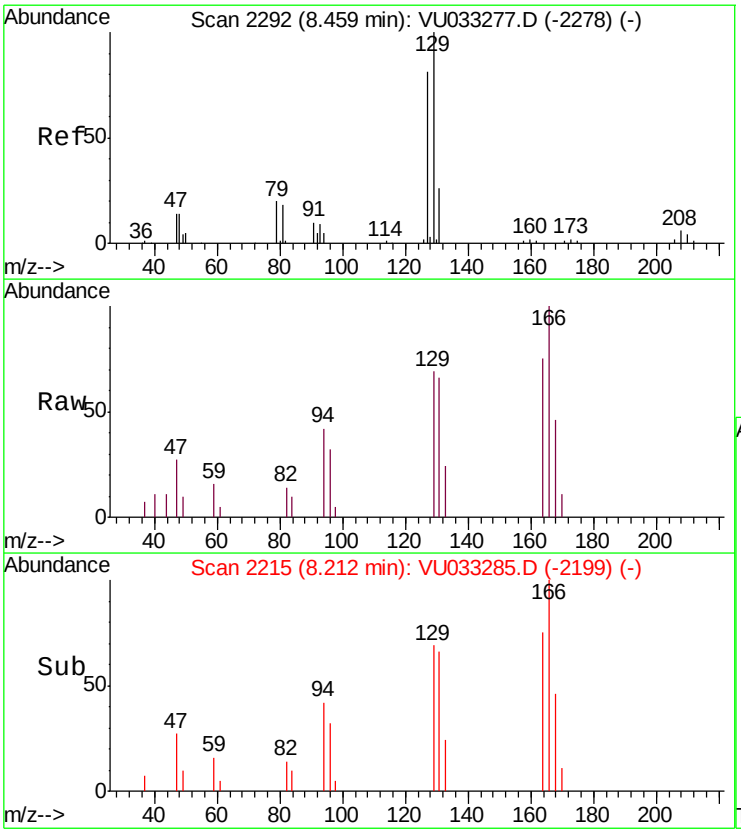
#47
Tetrachloroethene
Concen: 0.415 ug/L
RT: 8.21 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VU033285.D
Acq: 17 Jul 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
A52M0

Tgt Ion:164 Resp: 3335

Ion	Ratio	Lower	Upper
164	100		
129	91.5	68.5	127.1
131	87.7	67.3	124.9
166	132.8	93.1	172.9

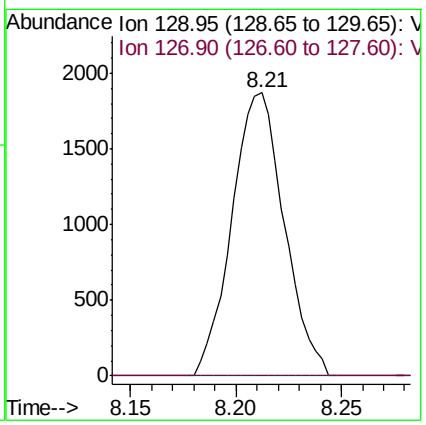


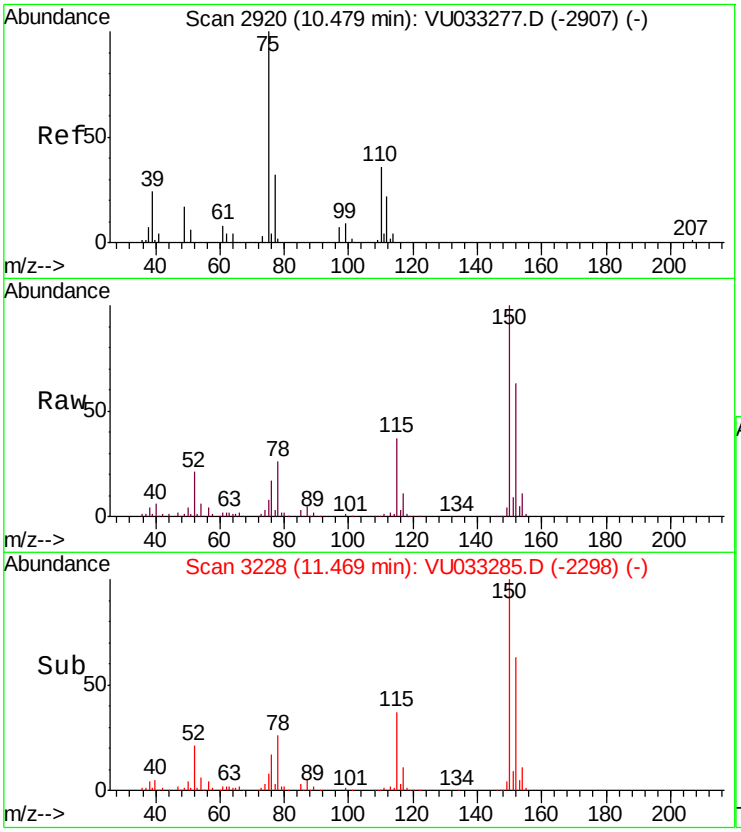


#49
Dibromochloromethane
Concen: 0.366 ug/L
RT: 8.21 min Scan# 2215
Delta R.T. -0.25 min
Lab File: VU033285.D
Acq: 17 Jul 2019 12:50

Tgt Ion:129 Resp: 3229

Ion	Ratio	Lower	Upper
129	100		
127	0.0	51.9	96.5#



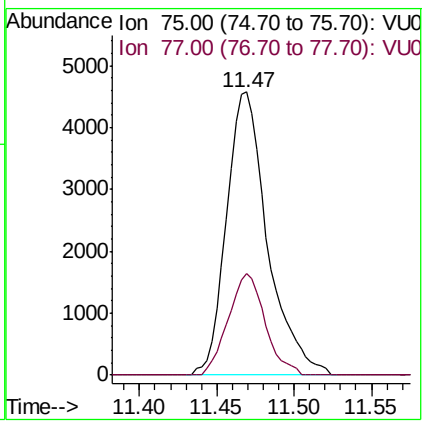


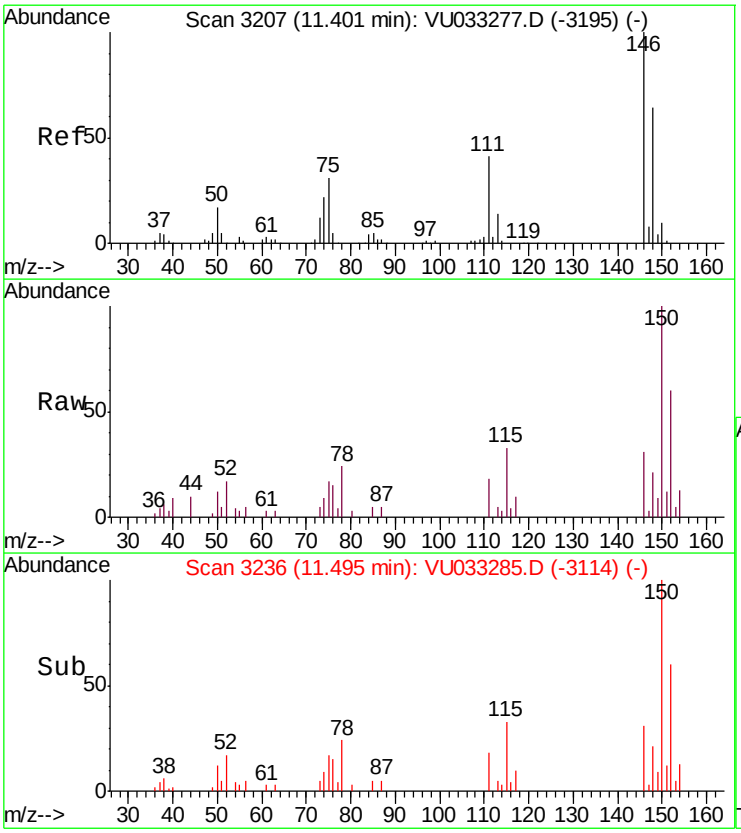
#59
1,2,3-Trichloropropane
Concen: 1.259 ug/L
RT: 11.47 min Scan# 3228
Delta R.T. 0.99 min
Lab File: VU033285.D
Acq: 17 Jul 2019 12:50

Instrument : MSVOA_U
ClientSampleId : A52M0

Tgt Ion: 75 Resp: 8407

Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.5	39.7

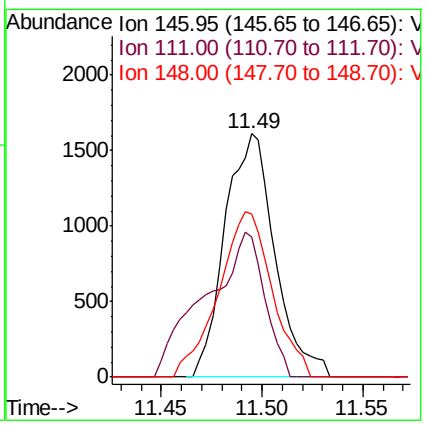


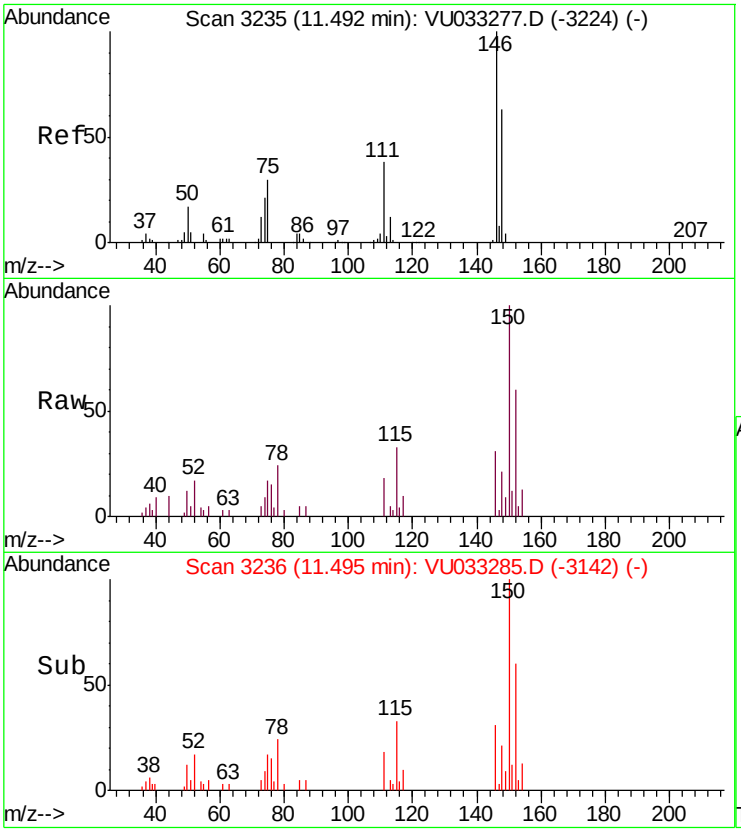


#62
1,3-Dichlorobenzene
Concen: 0.162 ug/L
RT: 11.49 min Scan# 3236
Delta R.T. 0.09 min
Lab File: VU033285.D
Acq: 17 Jul 2019 12:50

Tgt Ion:146 Resp: 2793

Ion	Ratio	Lower	Upper
146	100		
111	57.5	28.6	53.2#
148	67.1	45.0	83.6



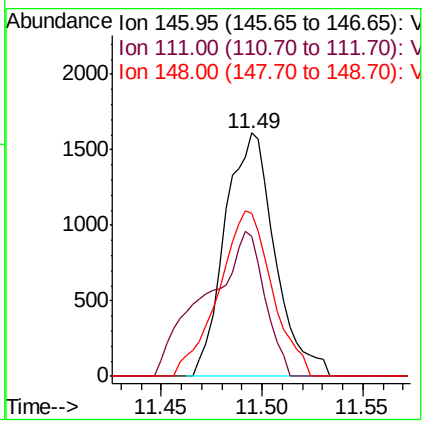


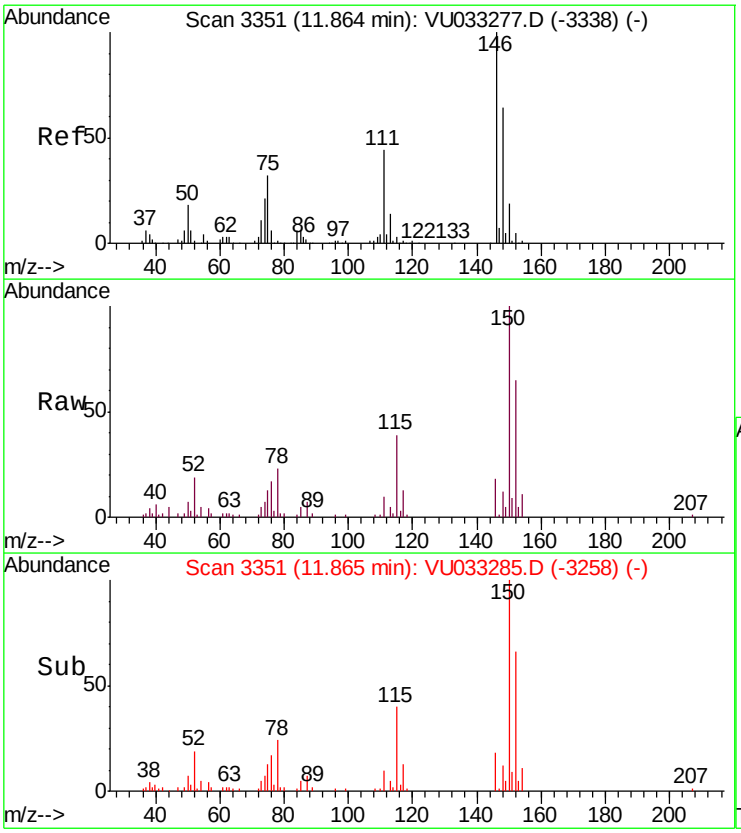
#63
1,4-Dichlorobenzene
Concen: 0.153 ug/L
RT: 11.49 min Scan# 3236
Delta R.T. 0.00 min
Lab File: VU033285.D
Acq: 17 Jul 2019 12:50

Instrument : MSVOA_U
ClientSampleId : A52M0

Tgt Ion:146 Resp: 2793

Ion	Ratio	Lower	Upper
146	100		
111	57.5	27.9	51.7#
148	67.1	44.1	81.9

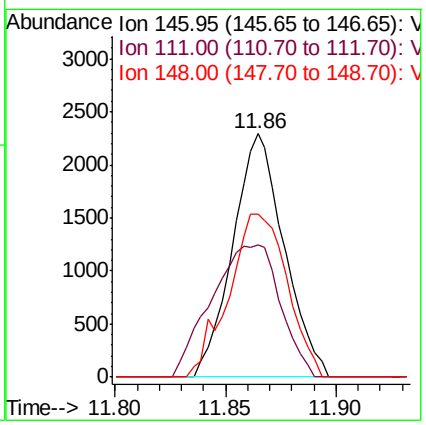


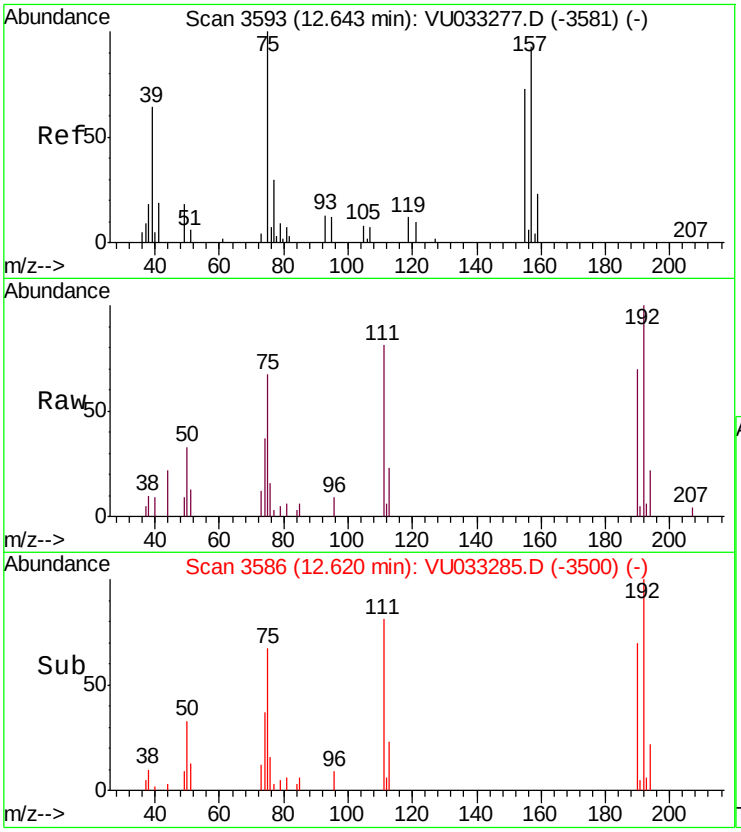


#65
1,2-Dichlorobenzene
Concen: 0.216 ug/L
RT: 11.86 min Scan# 3351
Delta R.T. 0.00 min
Lab File: VU033285.D
Acq: 17 Jul 2019 12:50

Tgt Ion:146 Resp: 3701

Ion	Ratio	Lower	Upper
146	100		
111	54.4	34.2	51.4#
148	66.9	52.0	78.0





#66
1,2-Dibromo-3-chloropropane
Concen: 2.934 ug/L
RT: 12.62 min Scan# 3586
Delta R.T. -0.02 min
Lab File: VU033285.D
Acq: 17 Jul 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
A52M0

Tgt Ion: 75 Resp: 3809

Ion	Ratio	Lower	Upper
75	100		
155	0.0	67.1	100.7#
157	0.0	83.7	125.5#