Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061719\

Quantitation Report (Not Reviewed)

Data File : VU032794.D
Acq On : 17 Jun 2019 19:44
Operator : JC/SP
Sample : K3324-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JR5

Quant Time: Jun 18 02:44:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 18 02:39:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	228603	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	221229	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	111143	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	62429	39.96	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 79.92%			
7) Chloroethane-d5	1.68	69	54215	43.51	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.02%			
11) 1,1-Dichloroethene-d2	2.27	63	100909	32.06	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 64.12%			
21) 2-Butanone-d5	4.17	46	144927	111.45	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 111.45%			
24) Chloroform-d	4.64	84	134805	44.39	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 88.78%			
26) 1,2-Dichloroethane-d4	5.30	65	95039	46.98	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.96%			
32) Benzene-d6	5.33	84	262840	45.58	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.16%			
36) 1,2-Dichloropropane-d6	6.32	67	87137	47.43	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 94.86%			
41) Toluene-d8	7.56	98	239116	44.28	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 88.56%			
43) trans-1,3-Dichloropropene-	7.84	79	43062	45.06	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 90.12%			
47) 2-Hexanone-d5	8.31	63	104840	122.22	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 122.22%			
57) 1,1,2,2-Tetrachloroethane-	10.42	84	134559	47.38	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 94.76%			
64) 1,2-Dichlorobenzene-d4	11.85	152	101747	47.31	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.62%			
Target Compounds						Qvalue
5) Vinyl chloride	1.40	62	21321	10.271	ug/L	93
8) Chloroethane	1.40	64	7920	6.628	ug/L #	72
12) 1,1-Dichloroethene	2.28	96	5322	3.697	ug/L #	1
13) Acetone	2.32	43	16434	9.150	ug/L	98
15) Methyl Acetate	2.62	43	2049	1.006	ug/L #	76
16) Methylene chloride	2.69	84	2327	1.378	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	22303	14.287	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	2619536	1540.305	ug/L	95
27) 1,2-Dichloroethane	5.33	62	1641	0.651	ug/L #	77
34) Trichloroethene	6.18	95	426991	250.760	ug/L	99
37) 1,2-Dichloropropane	6.32	63	10344	5.917	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2972	1.091	ug/L #	63
42) Toluene	7.63	91	4889	0.709	ug/L	91
44) trans-1,3-Dichloropropene	7.84	75	2267	0.886	ug/L	100
48) 2-Hexanone	8.41	43	75132	30.510	ug/L #	1
59) 1,2,3-Trichloropropane	11.48	75	14106	6.046	ug/L	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061719\

Quantitation Report (Not Reviewed)

Data File : VU032794.D
Acq On : 17 Jun 2019 19:44
Operator : JC/SP
Sample : K3324-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JR5

Quant Time: Jun 18 02:44:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 18 02:39:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

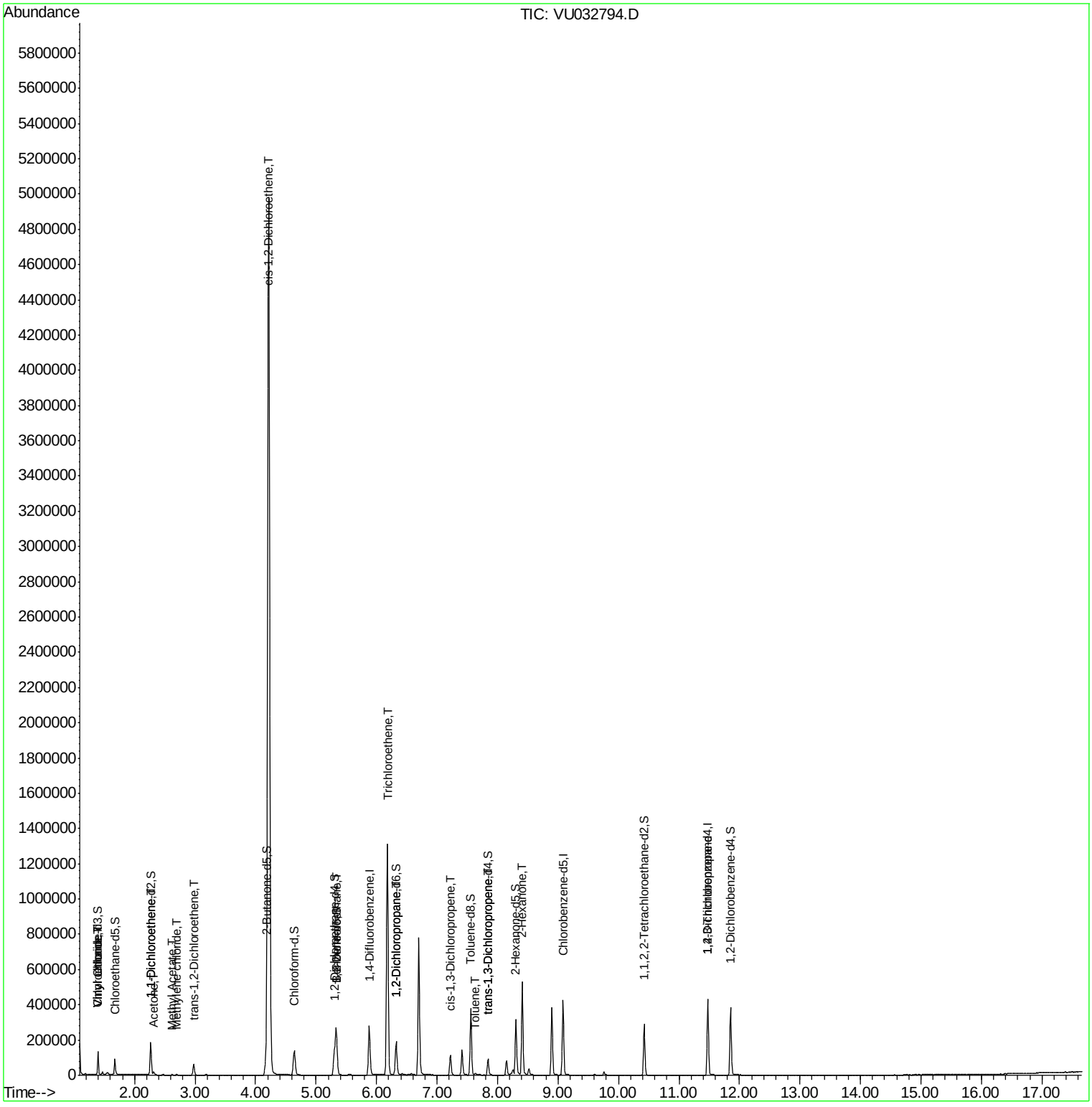
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061719\

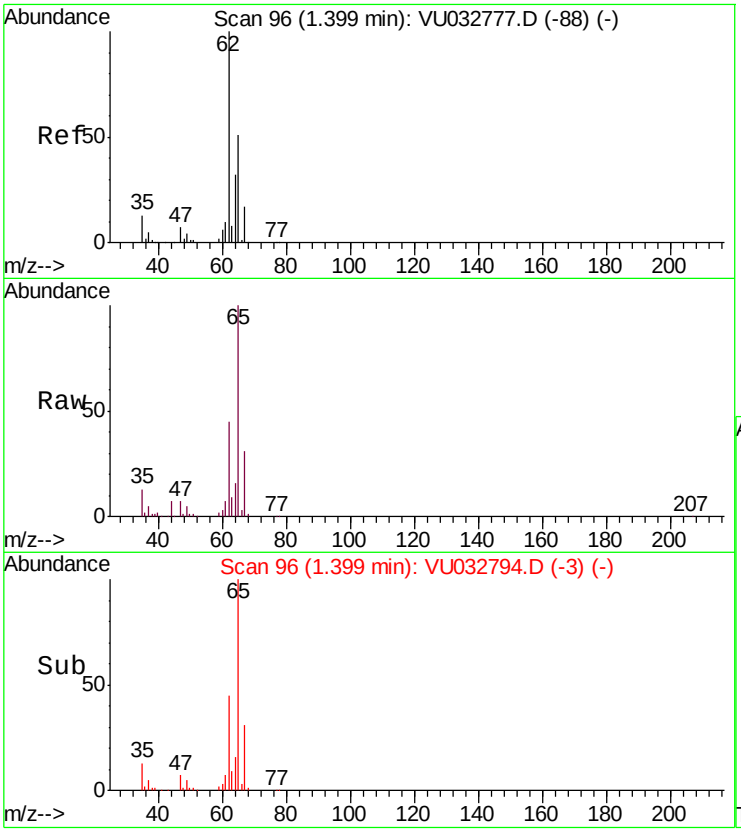
Quantitation Report (Not Reviewed)

Data File : VU032794.D
Acq On : 17 Jun 2019 19:44
Operator : JC/SP
Sample : K3324-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JR5

Quant Time: Jun 18 02:44:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 18 02:39:23 2019
Response via : Initial Calibration



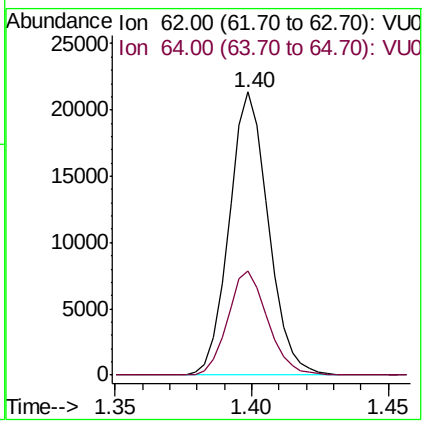


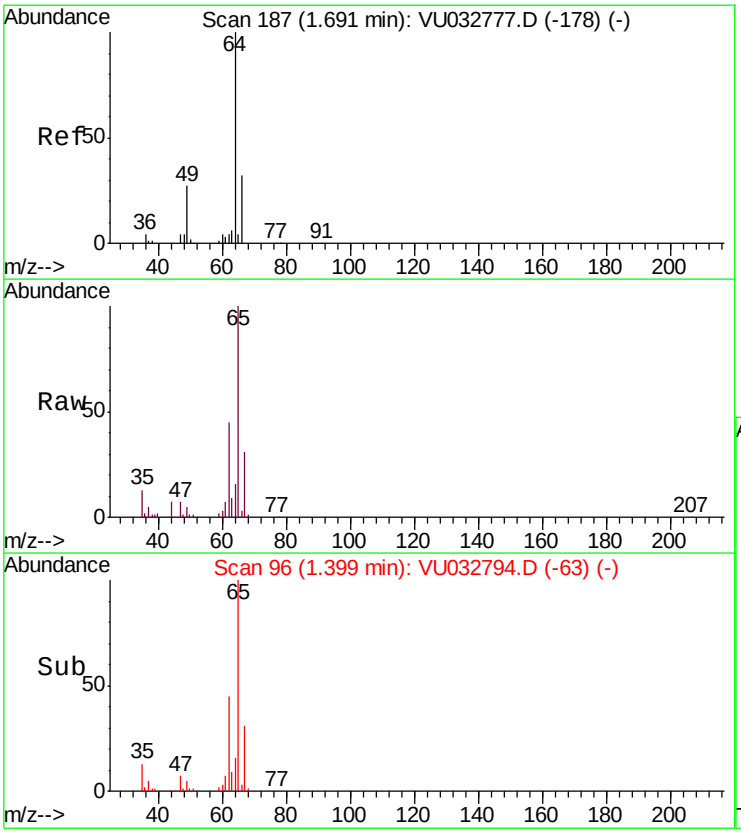
#5
Vinyl chloride
Concen: 10.271 ug/L
RT: 1.40 min Scan# 96
Delta R.T. -0.00 min
Lab File: VU032794.D
Acq: 17 Jun 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
C0JR5

Tgt Ion: 62 Resp: 21321

Ion	Ratio	Lower	Upper
62	100		
64	36.6	23.0	42.6

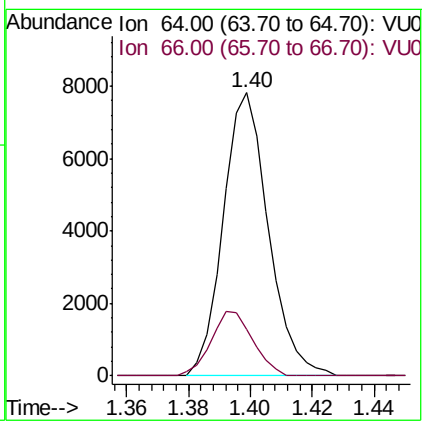


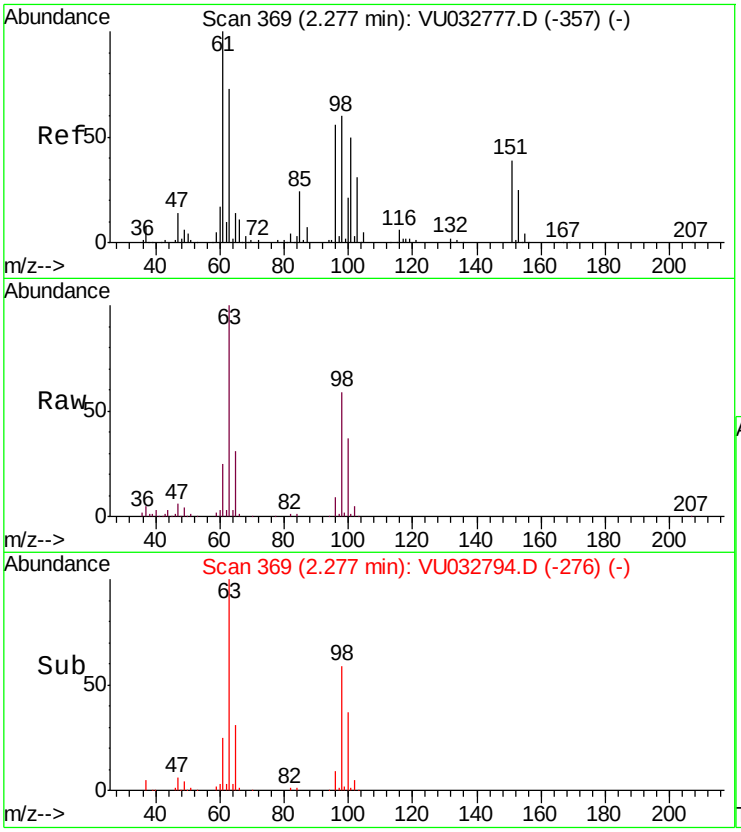


#8
Chloroethane
Concen: 6.628 ug/L
RT: 1.40 min Scan# 96
Delta R.T. -0.29 min
Lab File: VU032794.D
Acq: 17 Jun 2019 19:44

Tgt Ion: 64 Resp: 7920

Ion	Ratio	Lower	Upper
64	100		
66	16.5	22.5	41.7#



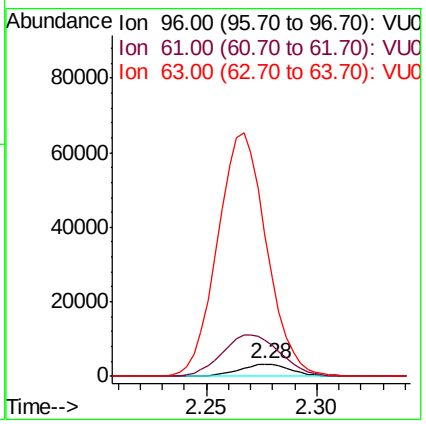


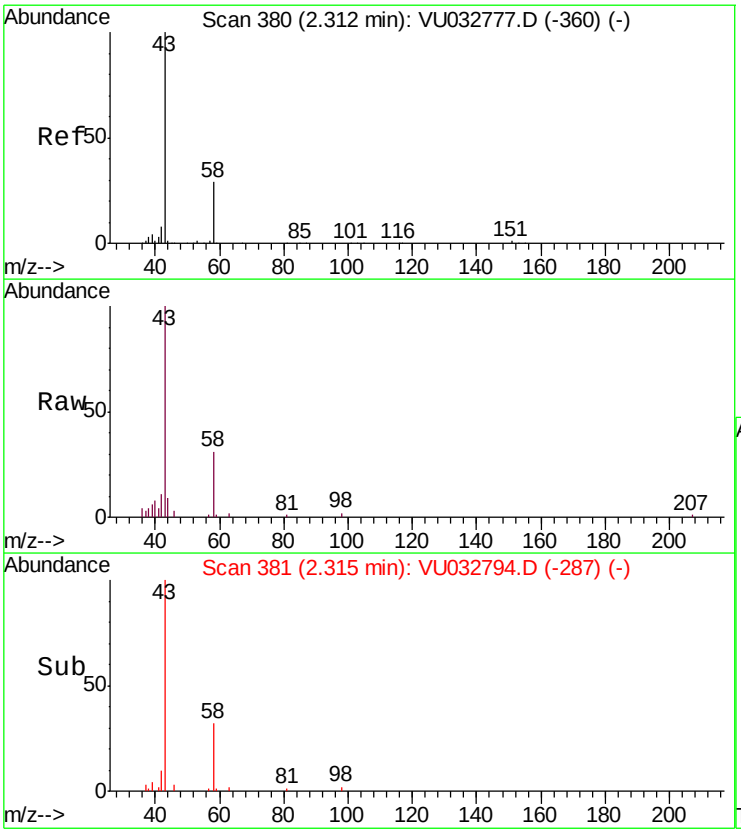
#12
1,1-Dichloroethene
Concen: 3.697 ug/L
RT: 2.28 min Scan# 369
Delta R.T. -0.00 min
Lab File: VU032794.D
Acq: 17 Jun 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
C0JR5

Tgt Ion: 96 Resp: 5322

Ion	Ratio	Lower	Upper
96	100		
61	286.4	131.0	243.4#
63	1142.2	101.0	187.6#

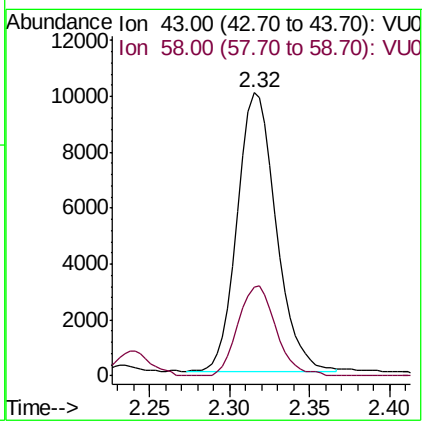


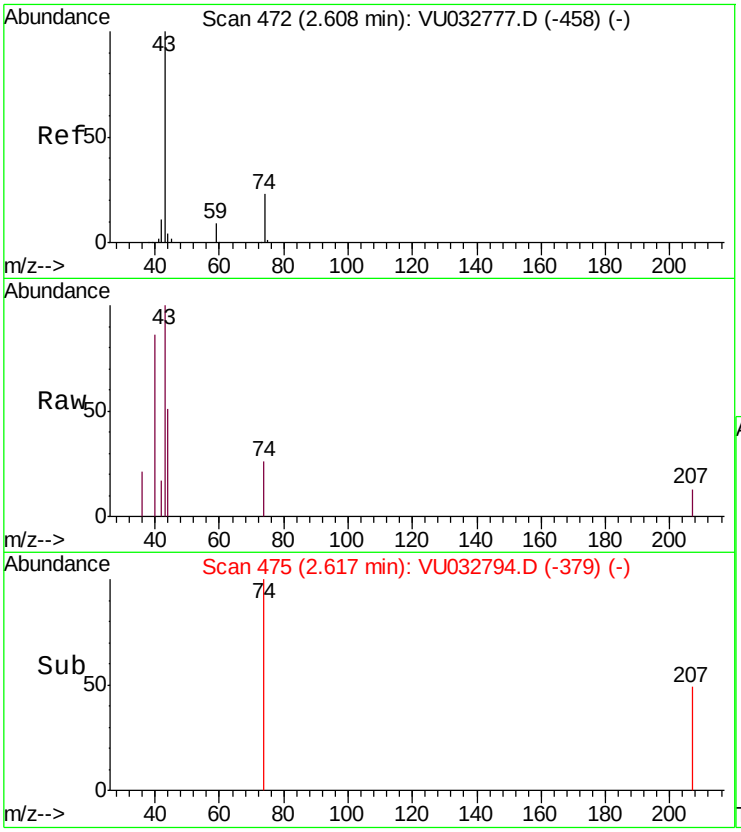


#13
Acetone
Concen: 9.150 ug/L
RT: 2.32 min Scan# 381
Delta R.T. 0.00 min
Lab File: VU032794.D
Acq: 17 Jun 2019 19:44

Tgt Ion: 43 Resp: 16434

Ion	Ratio	Lower	Upper
43	100		
58	31.3	0.0	60.6



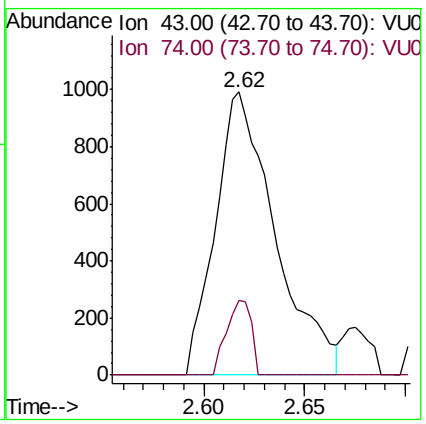


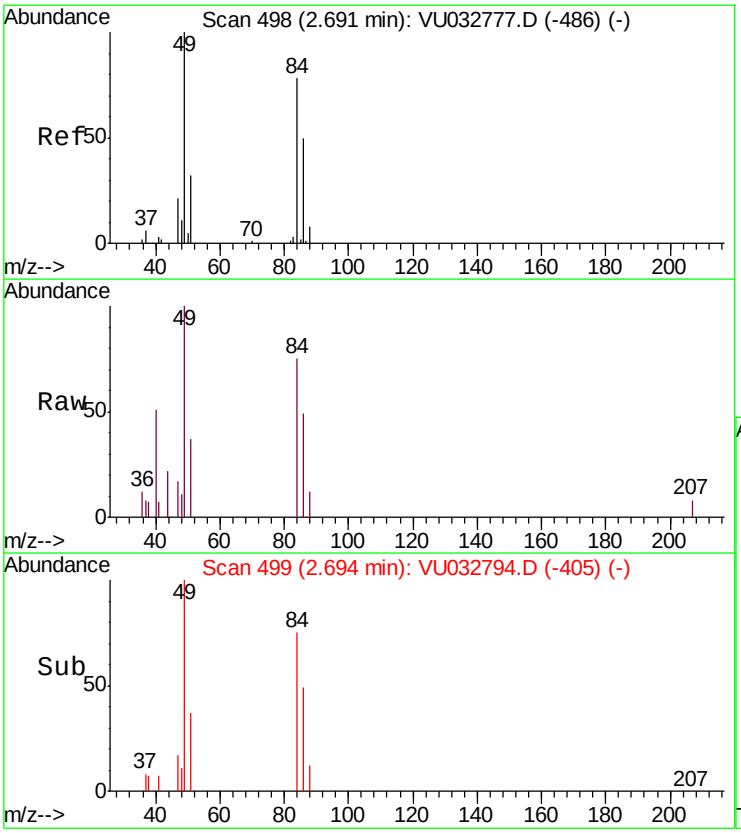
#15
Methyl Acetate
Concen: 1.006 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.01 min
Lab File: VU032794.D
Acq: 17 Jun 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
C0JR5

Tgt Ion: 43 Resp: 2049

Ion	Ratio	Lower	Upper
43	100		
74	10.9	18.1	27.1#

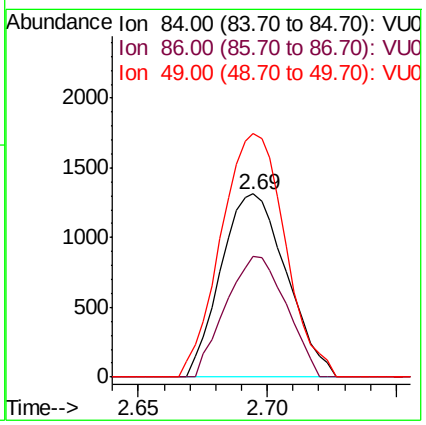


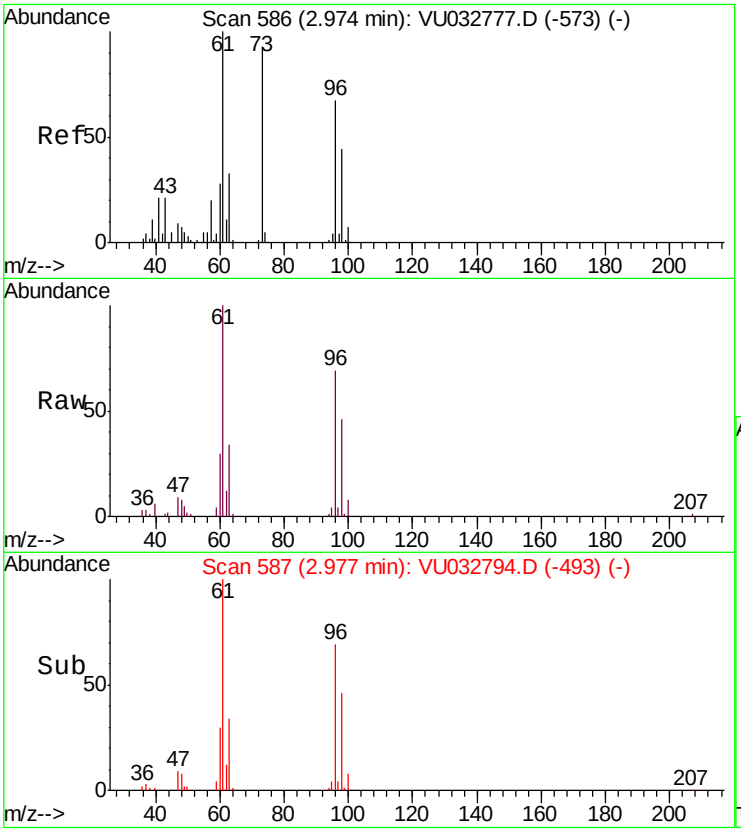


#16
Methylene chloride
Concen: 1.378 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032794.D
Acq: 17 Jun 2019 19:44

Tgt Ion: 84 Resp: 2327

Ion	Ratio	Lower	Upper
84	100		
86	65.9	45.5	84.5
49	133.2	92.1	171.1



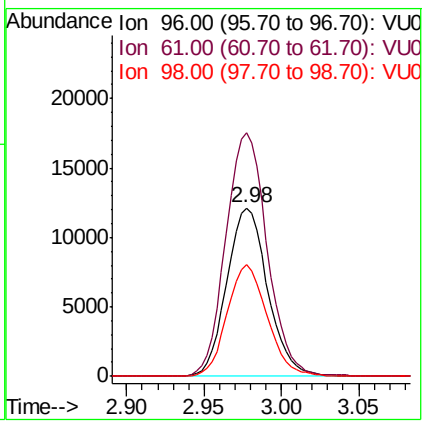


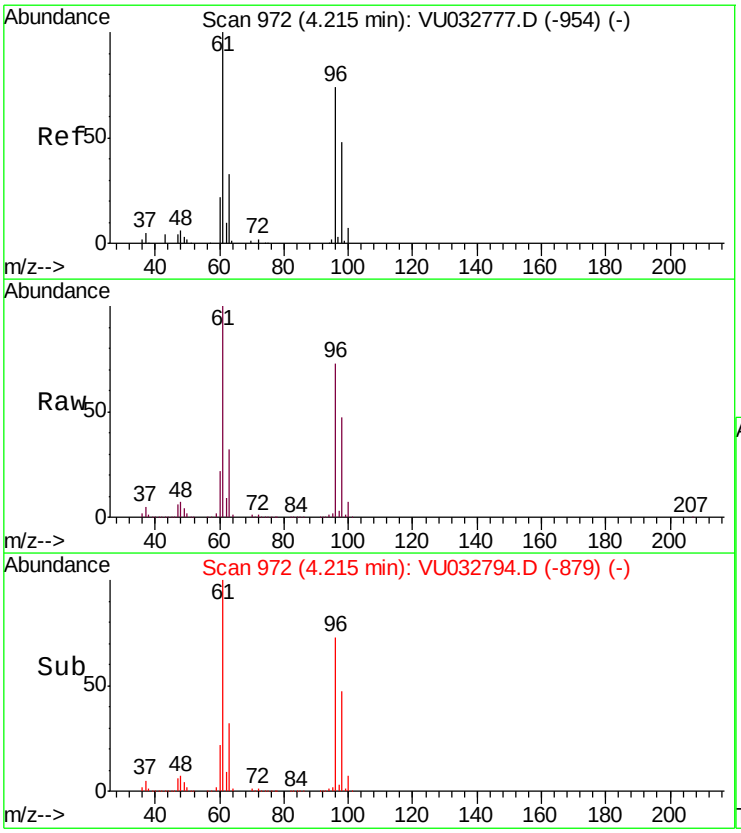
#17
trans-1,2-Dichloroethene
Concen: 14.287 ug/L
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU032794.D
Acq: 17 Jun 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
C0JR5

Tgt Ion: 96 Resp: 22303

Ion	Ratio	Lower	Upper
96	100		
61	144.6	100.9	187.5
98	66.4	44.0	81.8

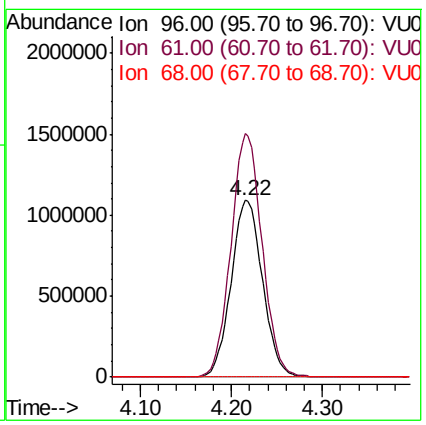


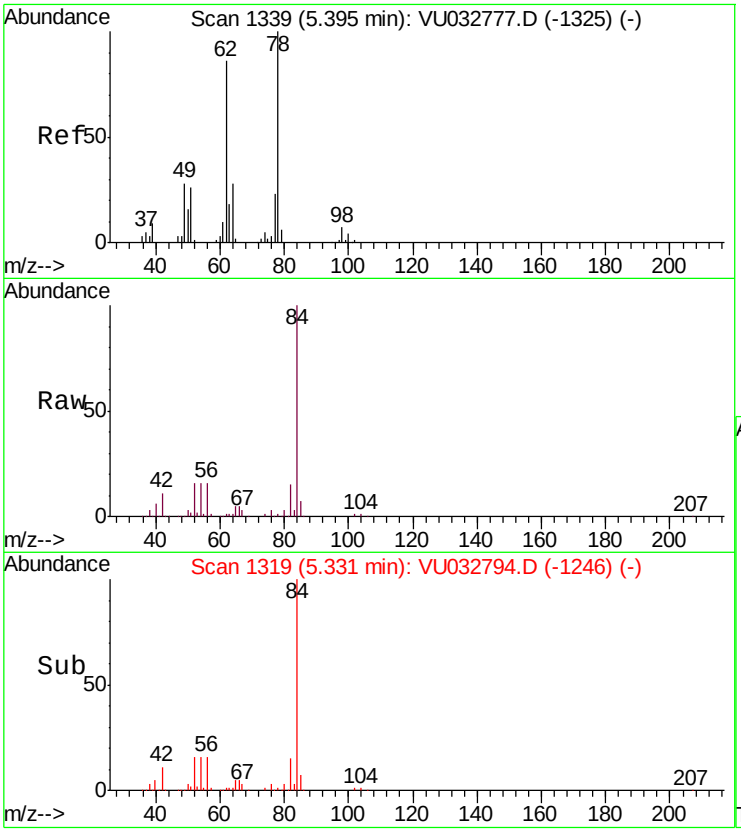


#20
cis-1,2-Dichloroethene
Concen: 1540.305 ug/L
RT: 4.22 min Scan# 972
Delta R.T. -0.00 min
Lab File: VU032794.D
Acq: 17 Jun 2019 19:44

Tgt Ion: 96 Resp: 2619536

Ion	Ratio	Lower	Upper
96	100		
61	137.6	92.4	171.6
68	0.0	0.0	0.0



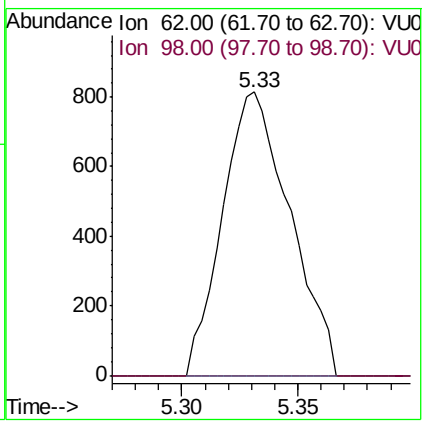


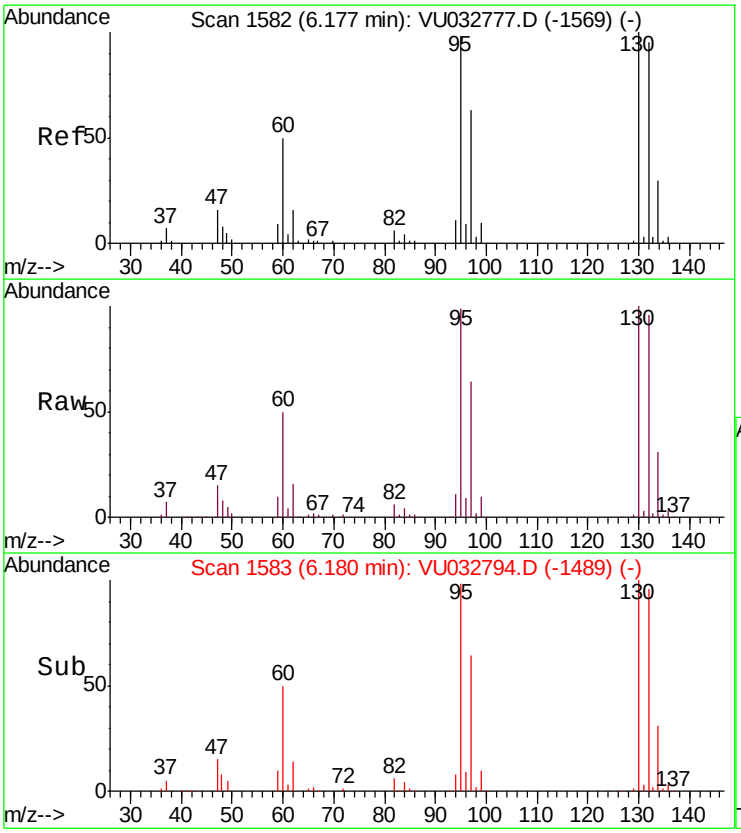
#27
1,2-Dichloroethane
Concen: 0.651 ug/L
RT: 5.33 min Scan# 1319
Delta R.T. -0.06 min
Lab File: VU032794.D
Acq: 17 Jun 2019 19:44

Instrument : MSVOA_U
ClientSampleId : C0JR5

Tgt Ion: 62 Resp: 1641

Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.6	10.0#

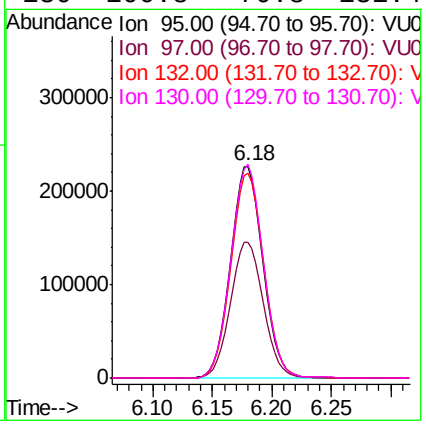


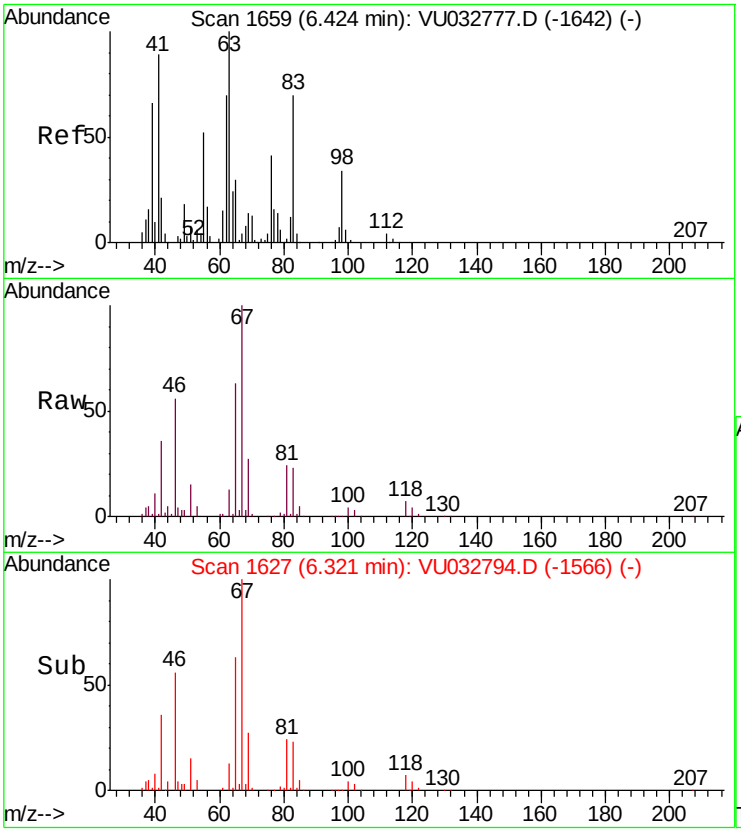


#34
Trichloroethene
Concen: 250.760 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VU032794.D
Acq: 17 Jun 2019 19:44

Tgt Ion: 95 Resp: 426991

Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.9	85.3
132	96.7	68.5	127.3
130	100.8	70.8	131.4



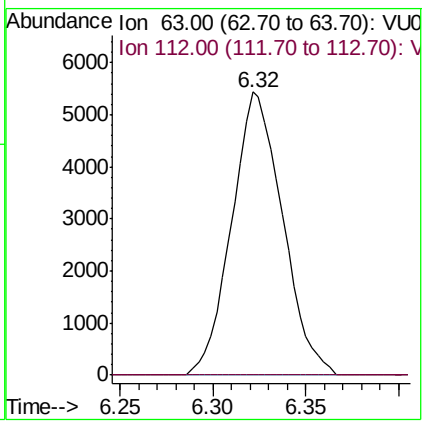


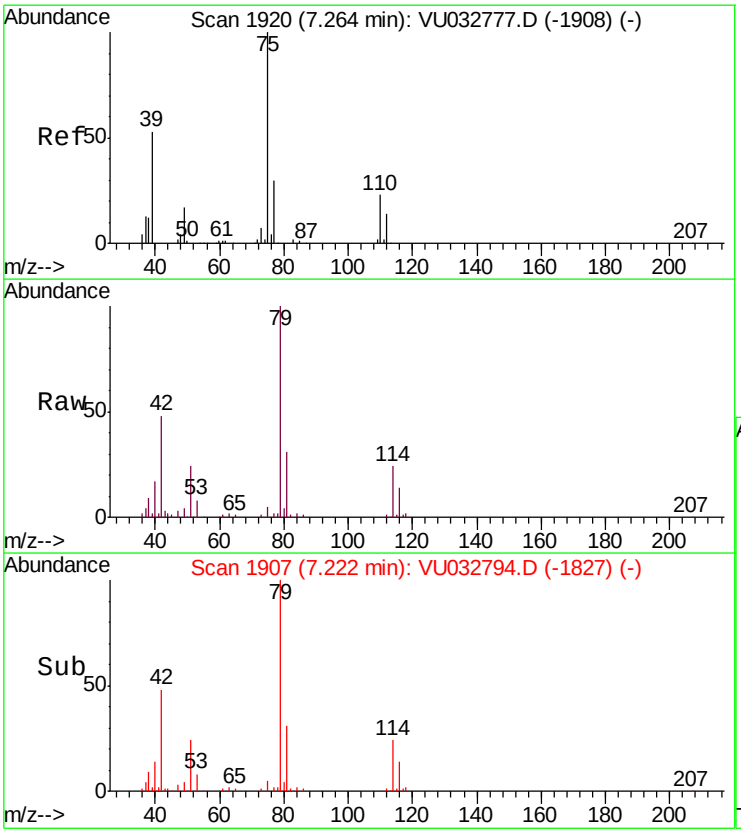
#37
1,2-Dichloropropane
Concen: 5.917 ug/L
RT: 6.32 min Scan# 1627
Delta R.T. -0.10 min
Lab File: VU032794.D
Acq: 17 Jun 2019 19:44

Instrument : MSVOA_U
ClientSampleId : C0JR5

Tgt Ion: 63 Resp: 10344

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.0	4.6#

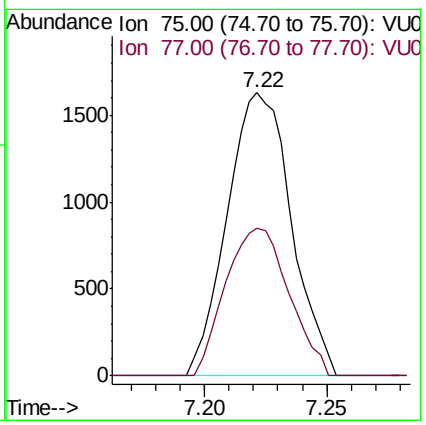


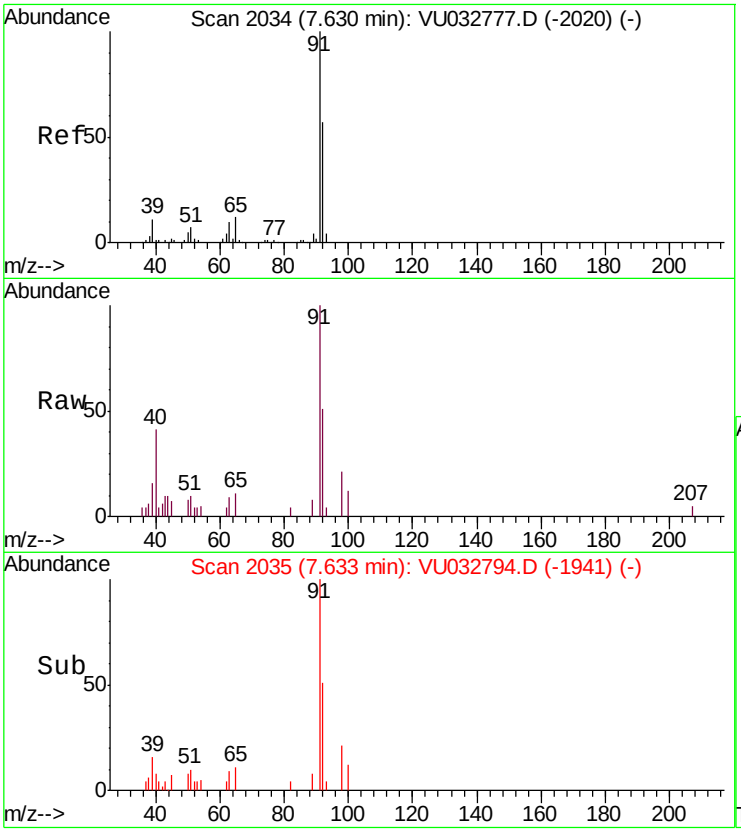


#39
cis-1,3-Dichloropropene
Concen: 1.091 ug/L
RT: 7.22 min Scan# 1907
Delta R.T. -0.04 min
Lab File: VU032794.D
Acq: 17 Jun 2019 19:44

Tgt Ion: 75 Resp: 2972

Ion	Ratio	Lower	Upper
75	100		
77	52.0	21.9	40.7#



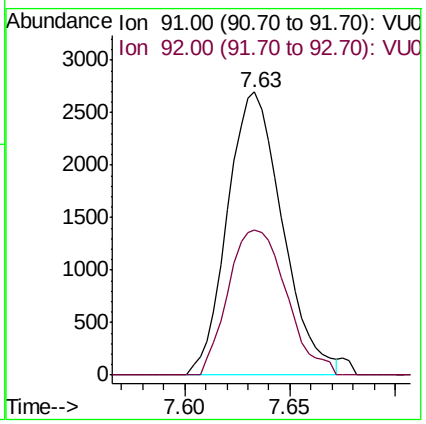


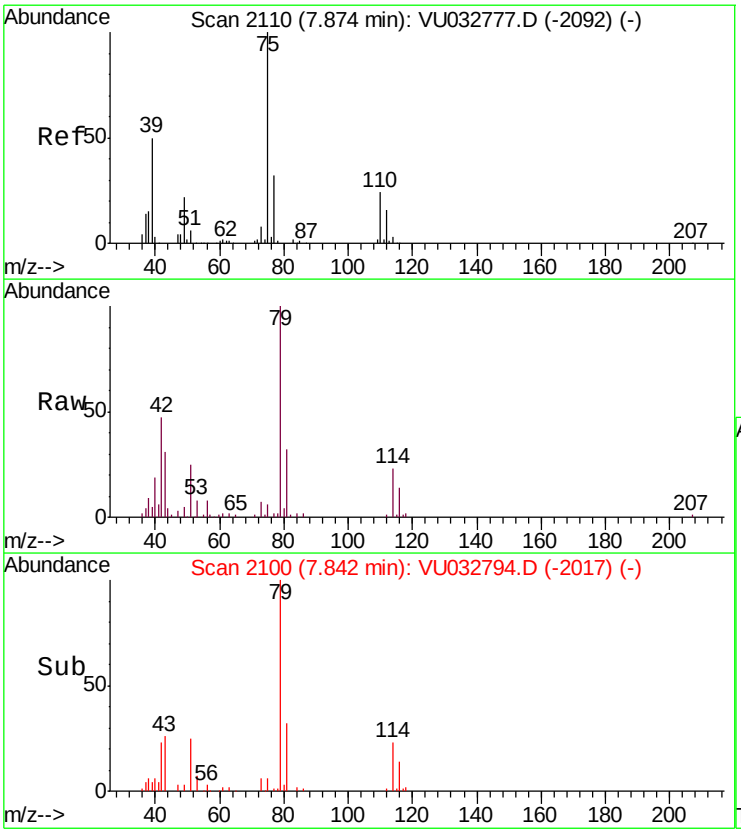
#42
Toluene
Concen: 0.709 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. 0.00 min
Lab File: VU032794.D
Acq: 17 Jun 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
C0JR5

Tgt Ion: 91 Resp: 4889

Ion	Ratio	Lower	Upper
91	100		
92	51.2	40.4	75.0

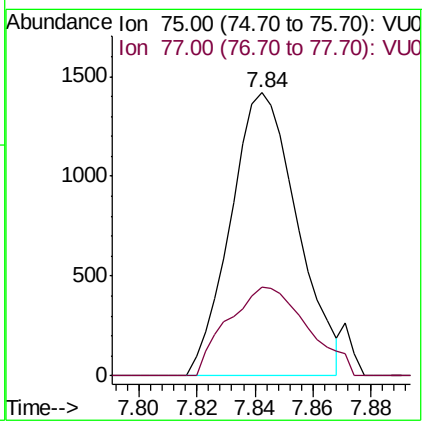


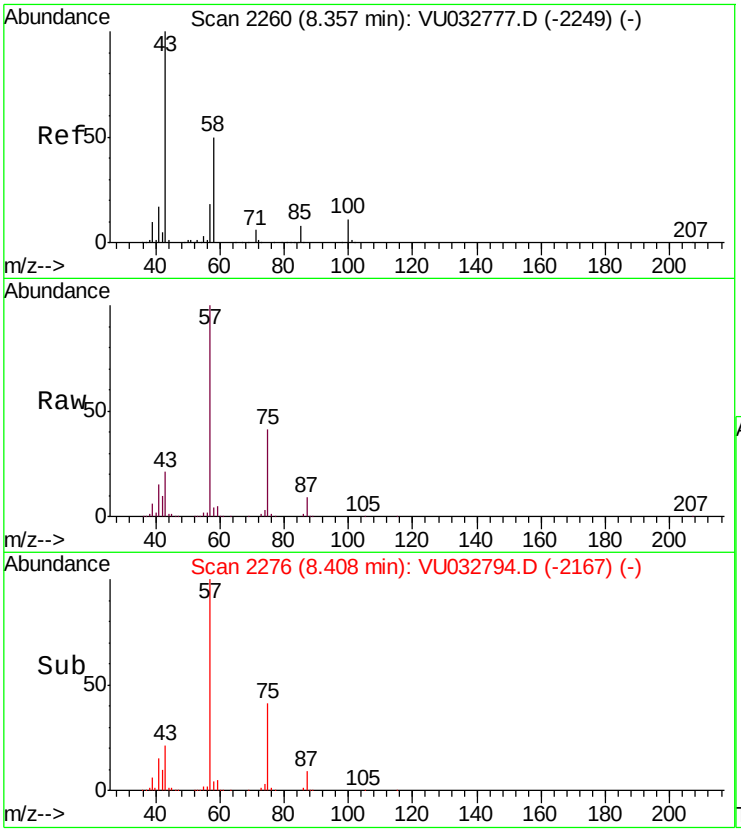


#44
trans-1,3-Dichloropropene
Concen: 0.886 ug/L
RT: 7.84 min Scan# 2100
Delta R.T. -0.03 min
Lab File: VU032794.D
Acq: 17 Jun 2019 19:44

Tgt Ion: 75 Resp: 2267

Ion	Ratio	Lower	Upper
75	100		
77	31.2	21.8	40.4



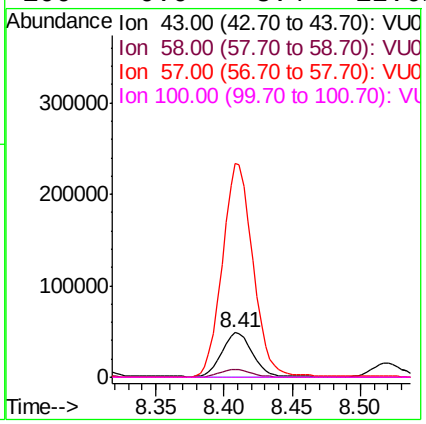


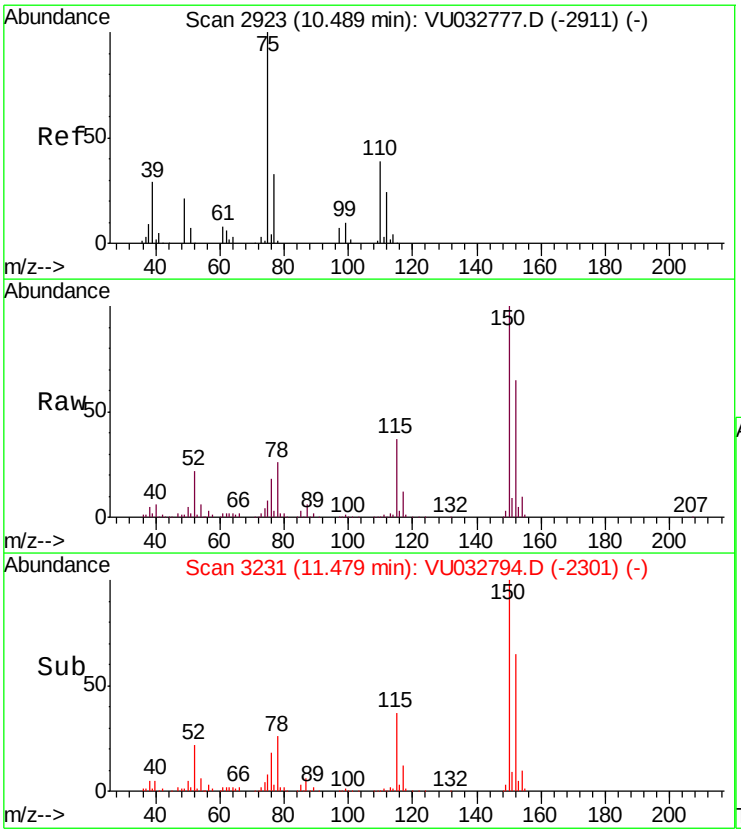
#48
2-Hexanone
Concen: 30.510 ug/L
RT: 8.41 min Scan# 2276
Delta R.T. 0.05 min
Lab File: VU032794.D
Acq: 17 Jun 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
C0JR5

Tgt Ion: 43 Resp: 75132

Ion	Ratio	Lower	Upper
43	100		
58	17.8	40.2	60.2#
57	487.9	14.2	21.4#
100	0.0	8.4	12.6#





#59
1,2,3-Trichloropropane
Concen: 6.046 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU032794.D
Acq: 17 Jun 2019 19:44

Tgt Ion: 75 Resp: 14106

Ion	Ratio	Lower	Upper
75	100		
77	36.5	25.5	38.3