Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120519\

Quantitation Report (Not Reviewed)

Data File : VU035997.D
Acq On : 05 Dec 2019 16:22
Operator : JC/SP
Sample : K6105-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFE32

Quant Time: Dec 06 01:01:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 06 00:57:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	279312	5.00	ug/L		0.00
28) Chlorobenzene-d5	9.45	117	307712	5.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	93557	5.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.61	65	130762	4.11	ug/L		0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 82.20%				
7) Chloroethane-d5	1.93	69	111379	4.36	ug/L		0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 87.20%				
11) 1,1-Dichloroethene-d2	2.60	63	328713	7.19	ug/L		0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 143.80%#				
20) 2-Butanone-d5	4.69	46	272450	48.32	ug/L		0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 96.64%				
24) Chloroform-d	5.11	84	208438	4.77	ug/L		0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 95.40%				
26) 1,2-Dichloroethane-d4	5.75	65	111960	4.84	ug/L		0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 96.80%				
32) Benzene-d6	5.77	84	409548	4.49	ug/L		0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 89.80%				
36) 1,2-Dichloropropane-d6	6.73	67	134656	4.57	ug/L		0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 91.40%				
41) Toluene-d8	7.93	98	336567	4.01	ug/L		0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 80.20%				
43) trans-1,3-Dichloropropene-	8.22	79	46794	3.93	ug/L		0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 78.60%				
46) 2-Hexanone-d5	8.68	63	218322	46.57	ug/L		0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 93.14%				
57) 1,1,2,2-Tetrachloroethane-	10.78	84	112927	4.55	ug/L		0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 91.00%				
64) 1,2-Dichlorobenzene-d4	12.22	152	105078	5.44	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 108.80%				
Target Compounds							Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	38780	1.806	ug/L		96
12) 1,1-Dichloroethene	2.61	96	360263	17.998	ug/L	#	71
13) Acetone	2.68	43	6325	1.241	ug/L		89
17) Methyl tert-butyl Ether	3.42	73	41953	0.895	ug/L		97
18) trans-1,2-Dichloroethene	3.39	96	6552	0.309	ug/L	#	72
19) 1,1-Dichloroethane	3.92	63	174619	4.214	ug/L		98
22) cis-1,2-Dichloroethene	4.72	96	470505	21.011	ug/L		89
25) Chloroform	5.13	83	13187	0.315	ug/L		83
27) 1,2-Dichloroethane	5.84	62	3809	0.143	ug/L	#	83
29) 1,1,1-Trichloroethane	5.36	97	207140	5.566	ug/L		98
31) Carbon tetrachloride	5.37	117	27395	0.830	ug/L		97
34) Trichloroethene	6.58	95	1141813	46.661	ug/L		96
35) Methylcyclohexane	6.73	83	31313	0.853	ug/L	#	16
47) Tetrachloroethene	8.58	164	2253914	113.326	ug/L		96
48) 2-Hexanone	8.68	43	24430	2.148	ug/L	#	70
49) Dibromochloromethane	8.58	129	2087729	95.978	ug/L	#	12
59) 1,2,3-Trichloropropane	11.84	75	10737	0.630	ug/L		95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120519\

Quantitation Report (Not Reviewed)

Data File : VU035997.D
Acq On : 05 Dec 2019 16:22
Operator : JC/SP
Sample : K6105-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFE32

Quant Time: Dec 06 01:01:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 06 00:57:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3-Dichlorobenzene	11.77	146	2290	0.074	ug/L	95

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

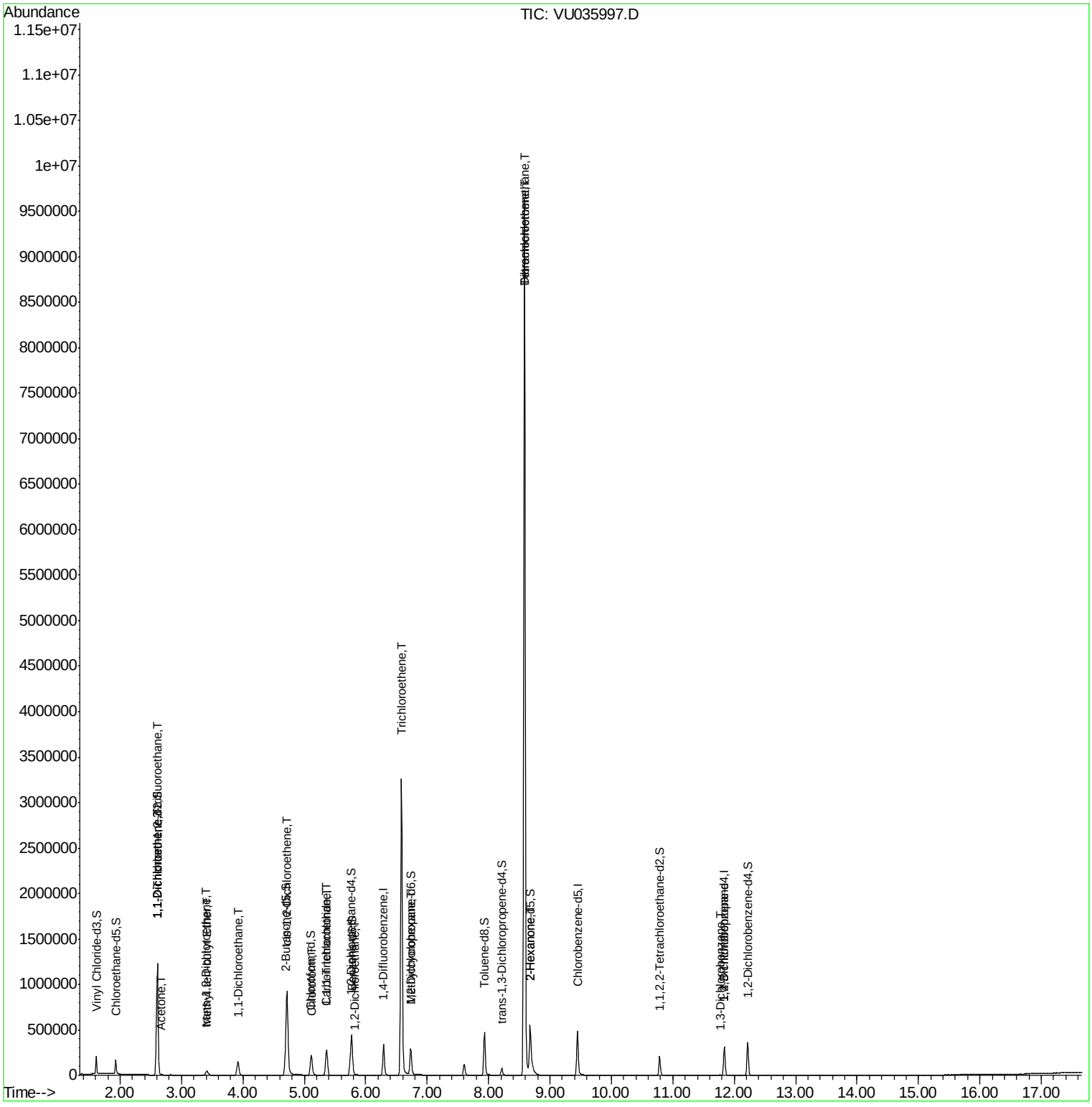
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120519\

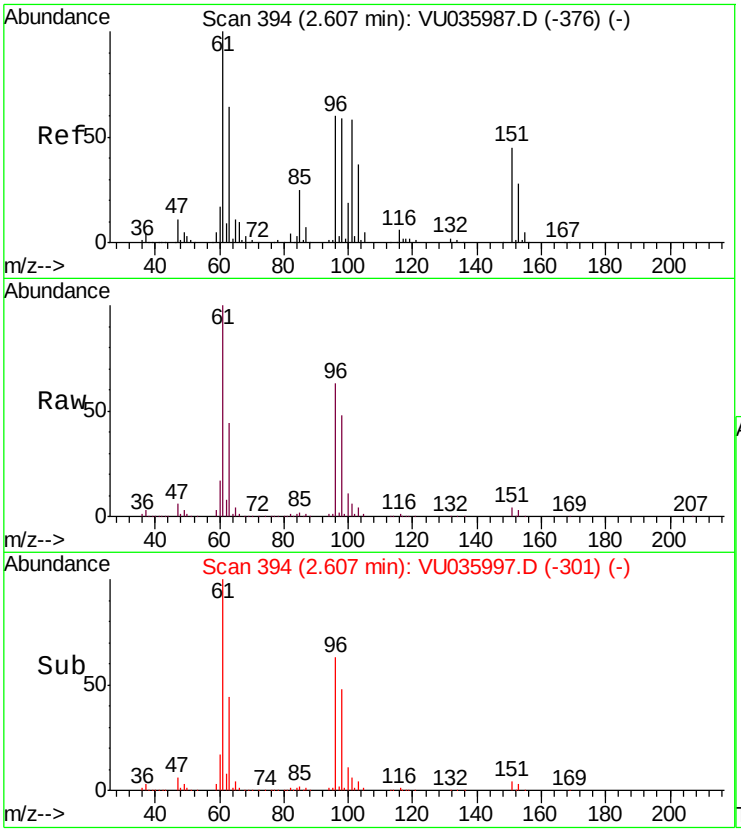
Quantitation Report (Not Reviewed)

Data File : VU035997.D
Acq On : 05 Dec 2019 16:22
Operator : JC/SP
Sample : K6105-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFE32

Quant Time: Dec 06 01:01:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 06 00:57:26 2019
Response via : Initial Calibration



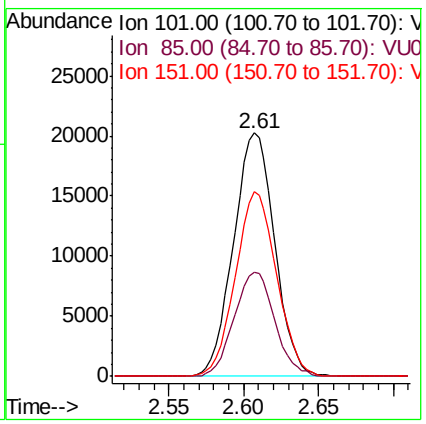


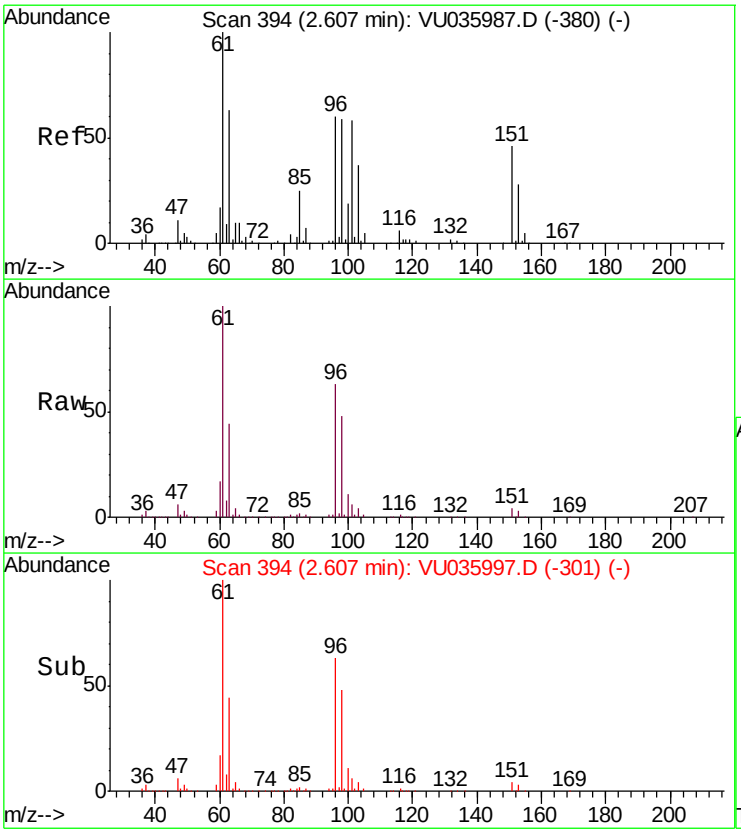
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.806 ug/L
RT: 2.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: VU035997.D
Acq: 05 Dec 2019 16:22

Instrument :
MSVOA_U
ClientSampleId :
BFE32

Tgt Ion:101 Resp: 38780

Ion	Ratio	Lower	Upper
101	100		
85	41.9	35.5	53.3
151	75.8	57.5	86.3

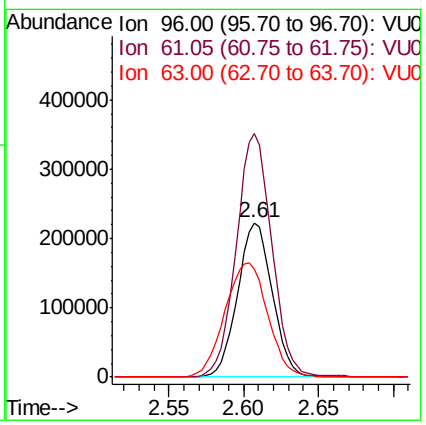


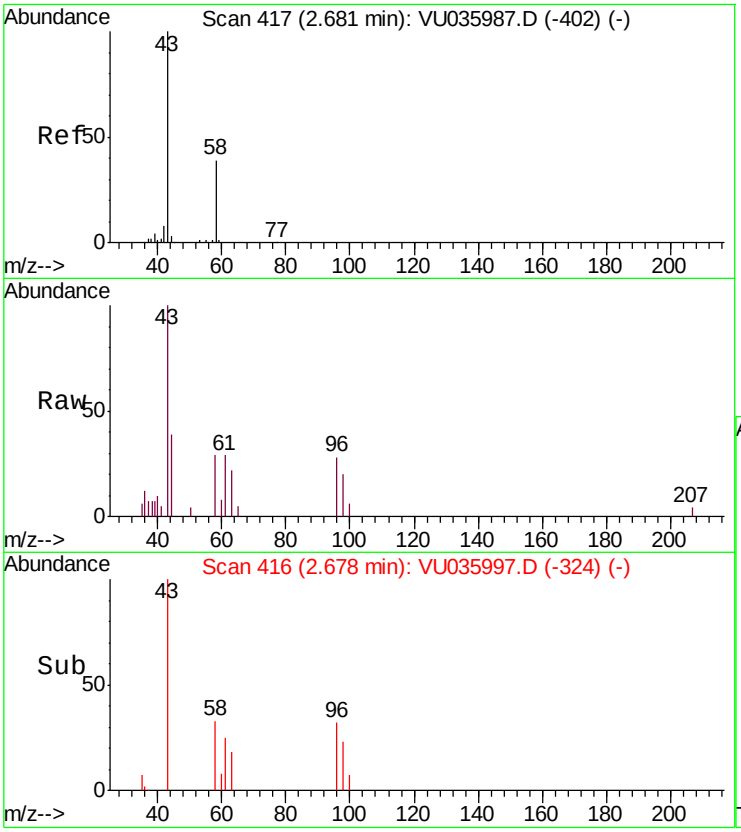


#12
1,1-Dichloroethene
Concen: 17.998 ug/L
RT: 2.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: VU035997.D
Acq: 05 Dec 2019 16:22

Tgt Ion: 96 Resp: 360263

Ion	Ratio	Lower	Upper
96	100		
61	157.6	127.1	236.1
63	69.9	86.0	159.8#



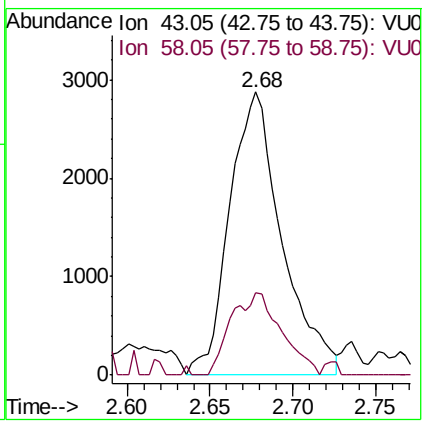


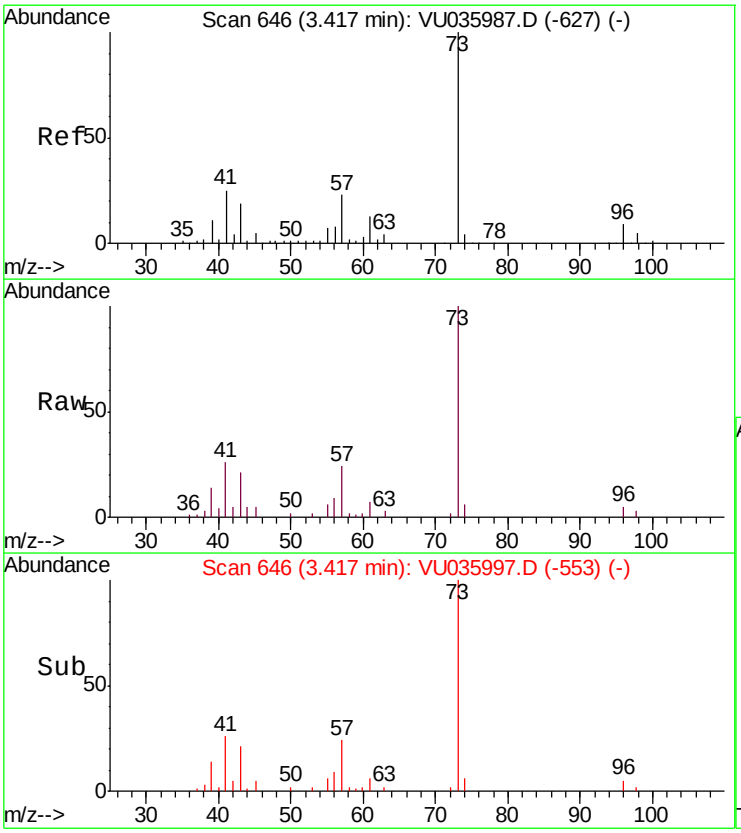
#13
Acetone
Concen: 1.241 ug/L
RT: 2.68 min Scan# 416
Delta R.T. -0.00 min
Lab File: VU035997.D
Acq: 05 Dec 2019 16:22

Instrument :
MSVOA_U
ClientSampleId :
BFE32

Tgt Ion: 43 Resp: 6325

Ion	Ratio	Lower	Upper
43	100		
58	27.9	0.0	68.6

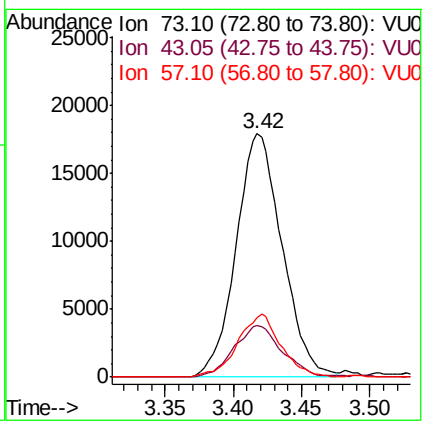


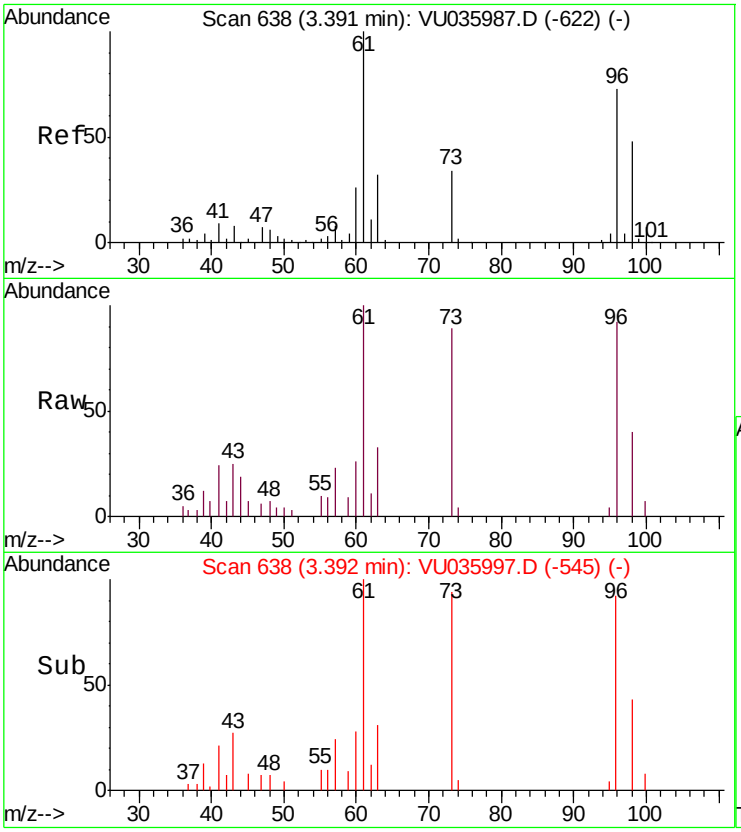


#17
Methyl tert-butyl Ether
Concen: 0.895 ug/L
RT: 3.42 min Scan# 646
Delta R.T. 0.00 min
Lab File: VU035997.D
Acq: 05 Dec 2019 16:22

Tgt Ion: 73 Resp: 41953

Ion	Ratio	Lower	Upper
73	100		
43	21.9	15.9	23.9
57	24.3	18.8	28.2



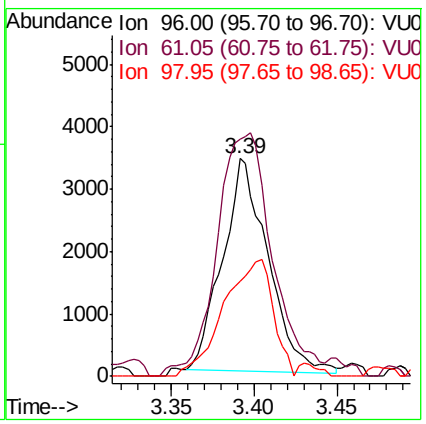


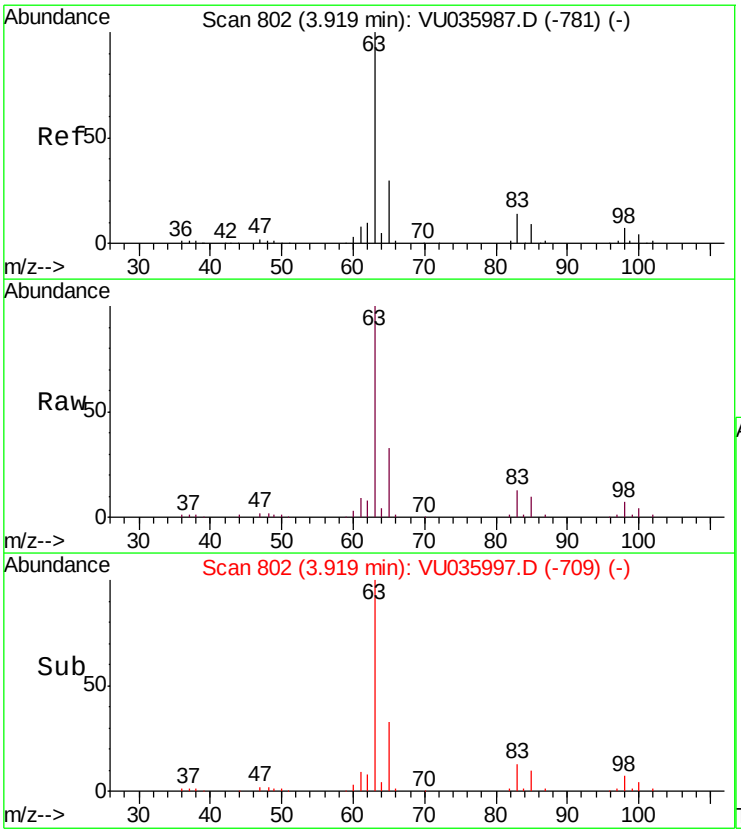
#18
trans-1,2-Dichloroethene
Concen: 0.309 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035997.D
Acq: 05 Dec 2019 16:22

Instrument :
MSVOA_U
ClientSampleId :
BFE32

Tgt Ion: 96 Resp: 6552

Ion	Ratio	Lower	Upper
96	100		
61	109.1	101.2	187.8
98	43.9	45.0	83.6#

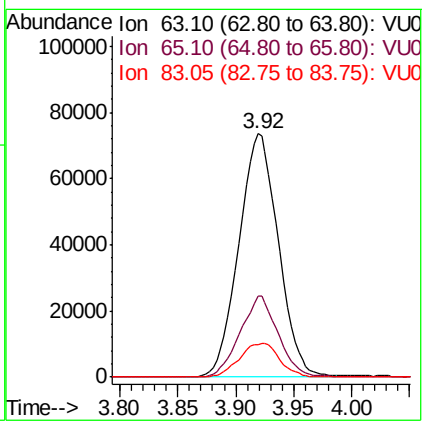


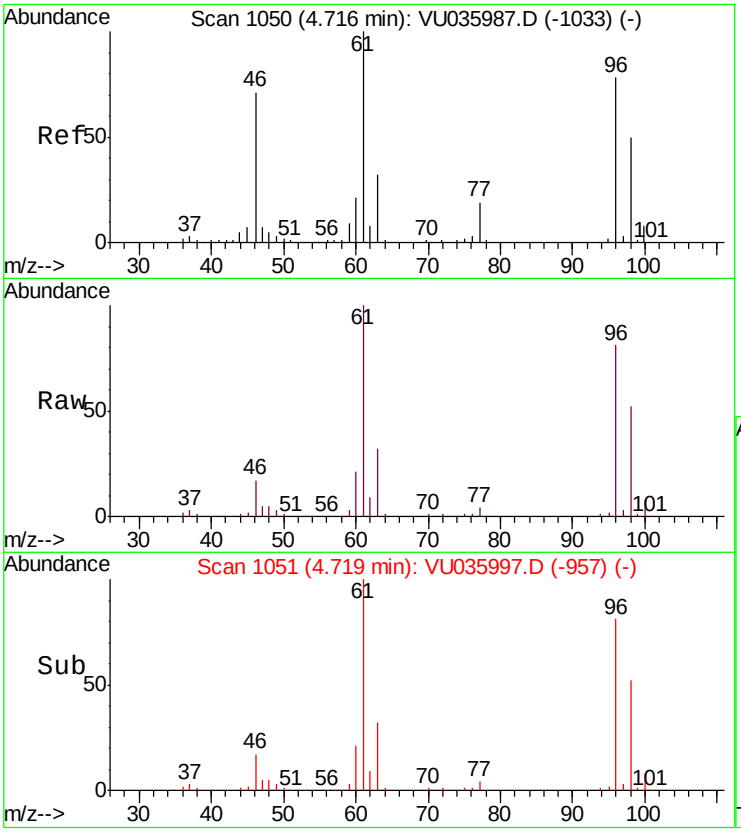


#19
1,1-Dichloroethane
Concen: 4.214 ug/L
RT: 3.92 min Scan# 802
Delta R.T. 0.00 min
Lab File: VU035997.D
Acq: 05 Dec 2019 16:22

Tgt Ion: 63 Resp: 174619

Ion	Ratio	Lower	Upper
63	100		
65	33.2	22.4	41.6
83	13.5	9.8	18.2



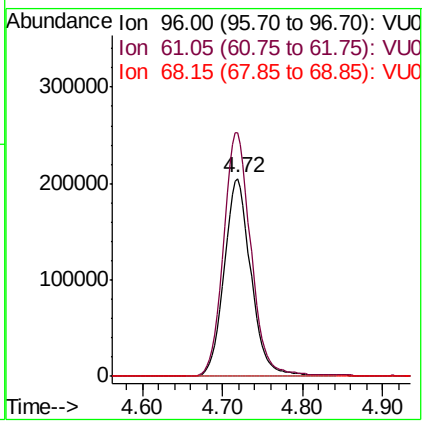


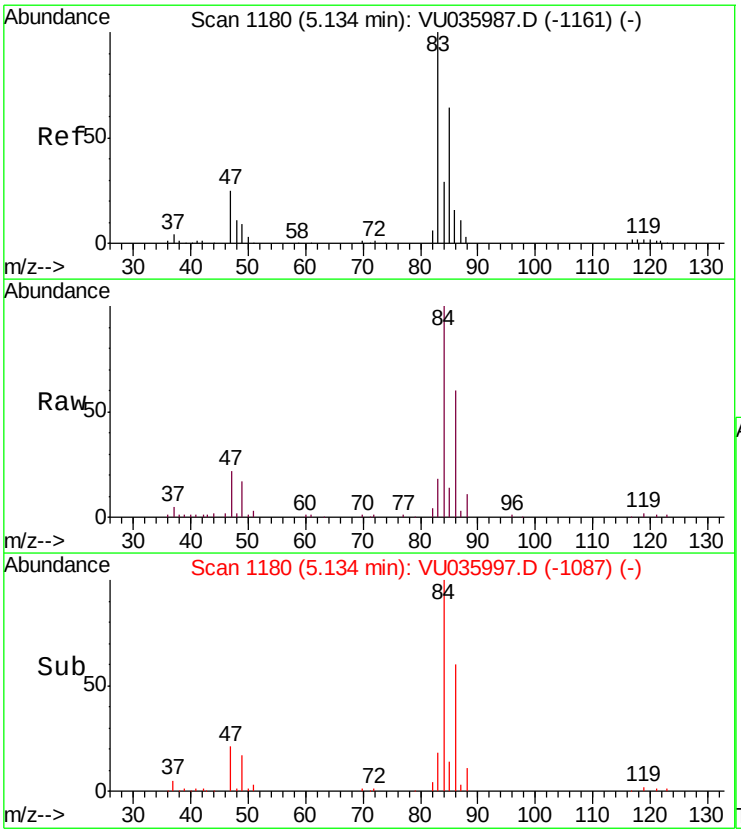
#22
cis-1,2-Dichloroethene
Concen: 21.011 ug/L
RT: 4.72 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU035997.D
Acq: 05 Dec 2019 16:22

Instrument :
MSVOA_U
ClientSampleId :
BFE32

Tgt Ion: 96 Resp: 470505

Ion	Ratio	Lower	Upper
96	100		
61	123.1	95.7	177.7
68	0.0	0.0	0.0

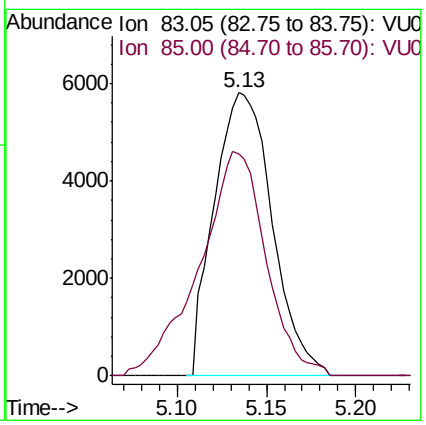


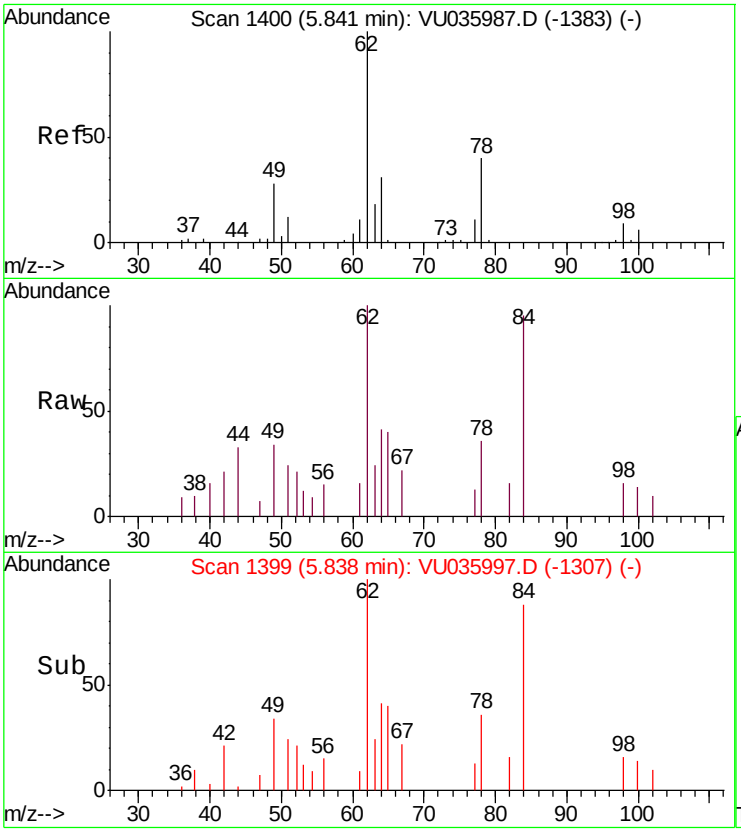


#25
Chloroform
Concen: 0.315 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU035997.D
Acq: 05 Dec 2019 16:22

Tgt Ion: 83 Resp: 13187

Ion	Ratio	Lower	Upper
83	100		
85	78.5	45.4	84.2



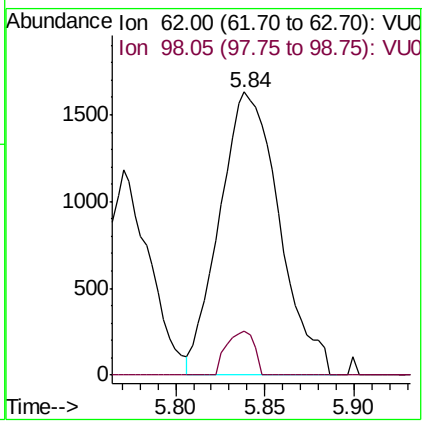


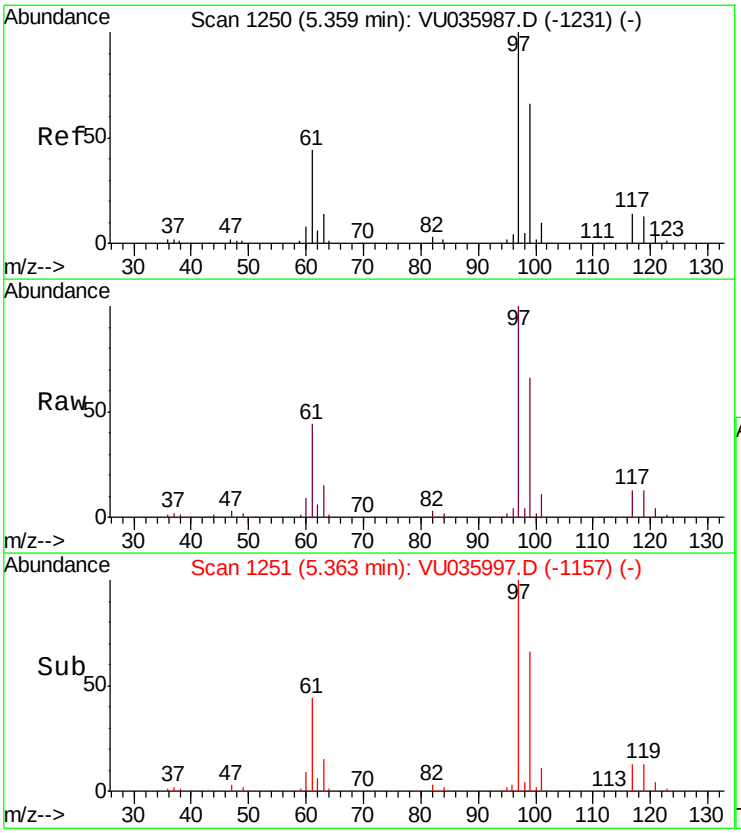
#27
1,2-Dichloroethane
Concen: 0.143 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU035997.D
Acq: 05 Dec 2019 16:22

Instrument :
MSVOA_U
ClientSampleId :
BFE32

Tgt Ion: 62 Resp: 3809

Ion	Ratio	Lower	Upper
62	100		
98	15.6	7.6	11.4#

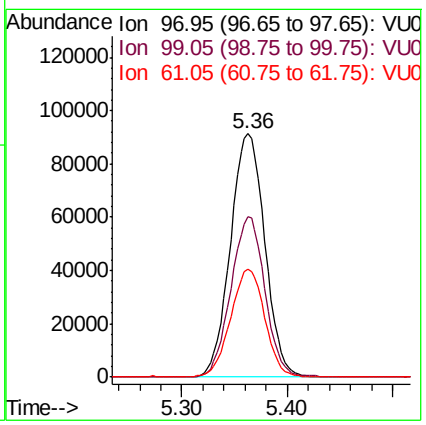


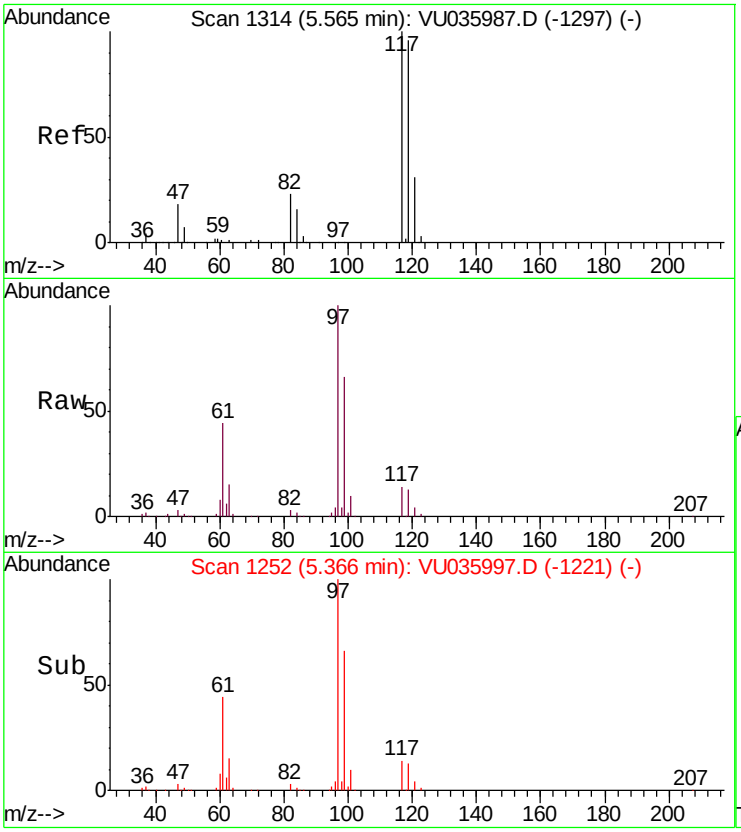


#29
1,1,1-Trichloroethane
Concen: 5.566 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU035997.D
Acq: 05 Dec 2019 16:22

Tgt Ion: 97 Resp: 207140

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.8	77.8
61	44.2	37.6	56.4



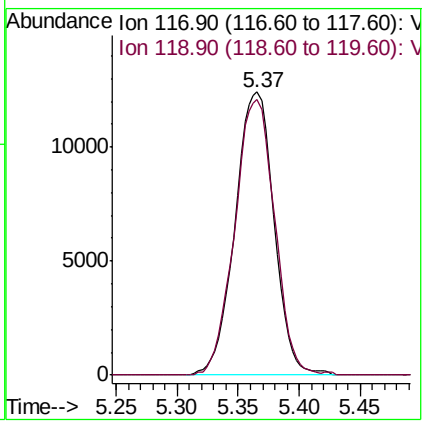


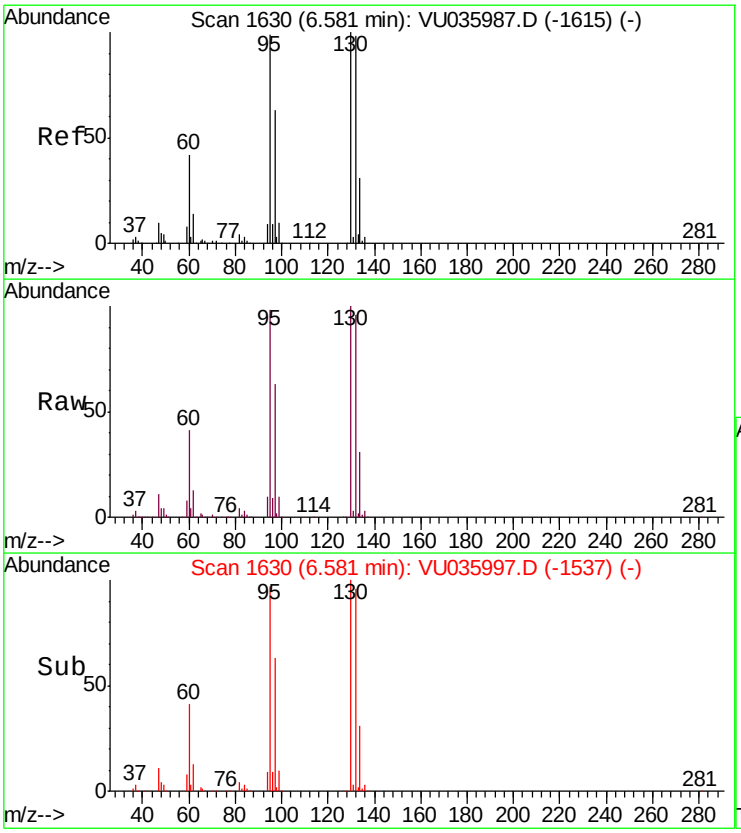
#31
Carbon tetrachloride
Concen: 0.830 ug/L
RT: 5.37 min Scan# 1252
Delta R.T. -0.20 min
Lab File: VU035997.D
Acq: 05 Dec 2019 16:22

Instrument :
MSVOA_U
ClientSampleId :
BFE32

Tgt Ion:117 Resp: 27395

Ion	Ratio	Lower	Upper
117	100		
119	99.5	76.9	115.3

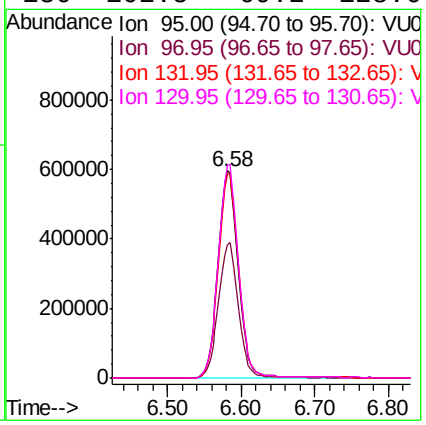


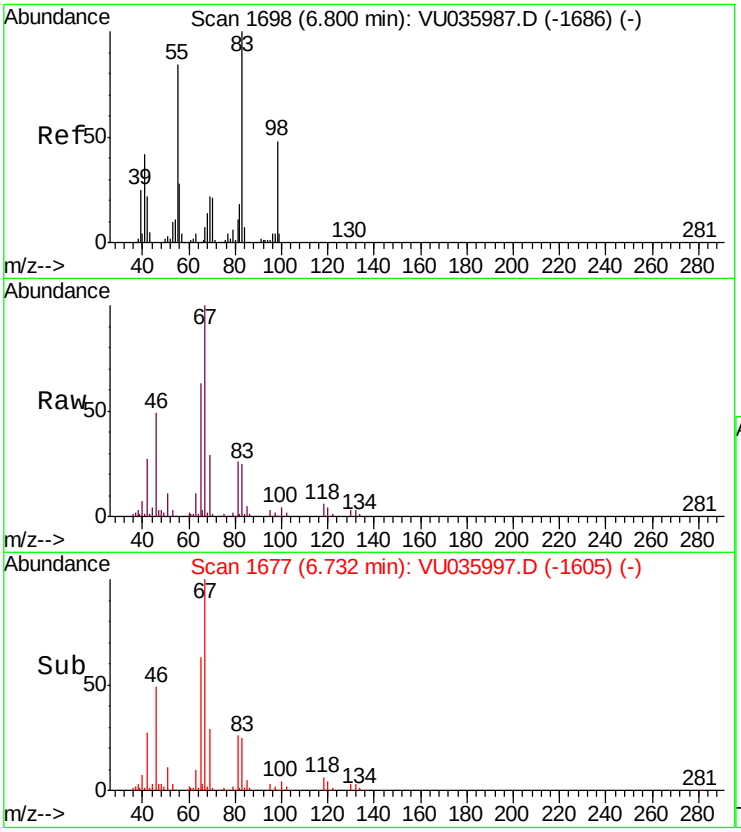


#34
Trichloroethene
Concen: 46.661 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU035997.D
Acq: 05 Dec 2019 16:22

Tgt Ion: 95 Resp: 1141813

Ion	Ratio	Lower	Upper
95	100		
97	64.3	46.3	85.9
132	98.6	65.7	122.1
130	102.5	69.2	128.6



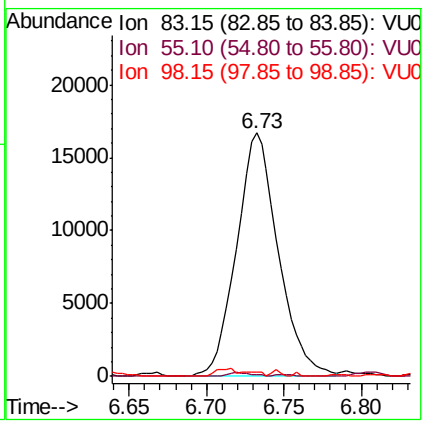


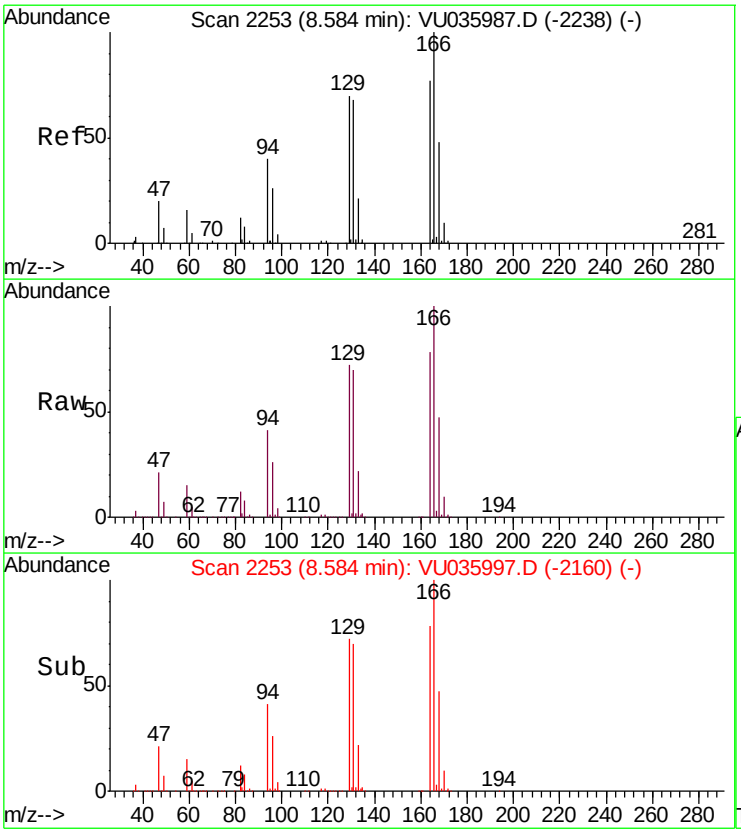
#35
Methylcyclohexane
Concen: 0.853 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU035997.D
Acq: 05 Dec 2019 16:22

Instrument :
MSVOA_U
ClientSampleId :
BFE32

Tgt Ion: 83 Resp: 31313

Ion	Ratio	Lower	Upper
83	100		
55	0.8	67.4	101.0#
98	0.0	34.6	52.0#

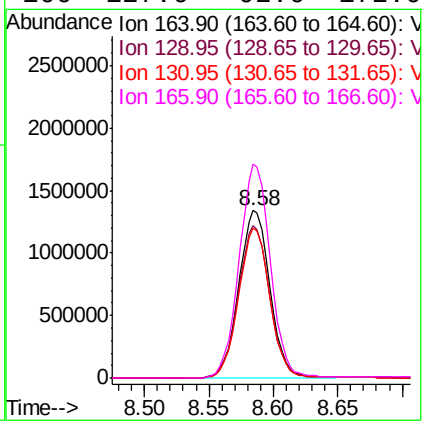


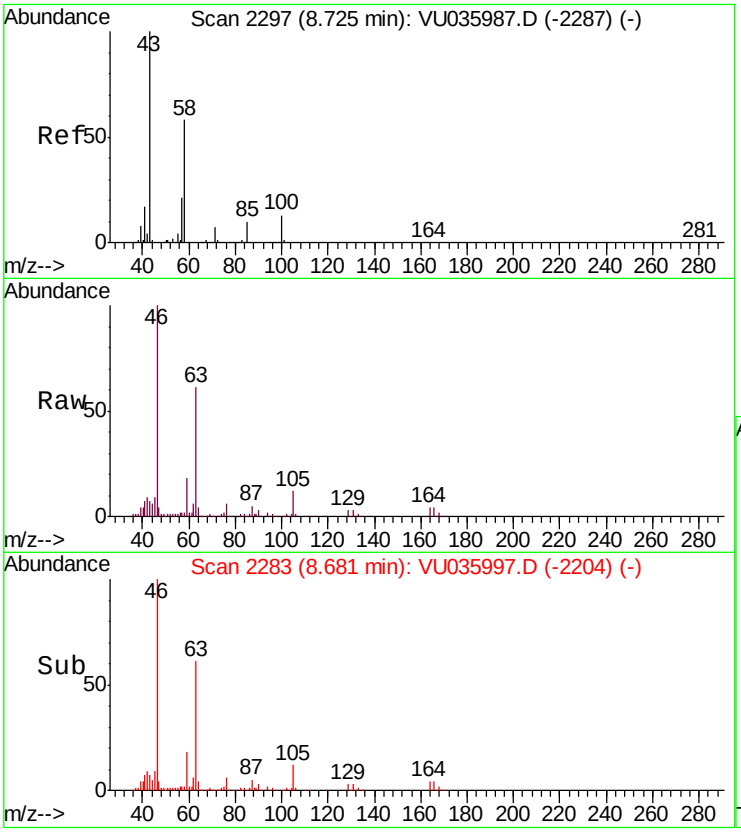


#47
Tetrachloroethene
Concen: 113.326 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VU035997.D
Acq: 05 Dec 2019 16:22

Tgt Ion:164 Resp: 2253914

Ion	Ratio	Lower	Upper
164	100		
129	91.4	67.9	126.1
131	89.8	64.1	119.1
166	127.6	92.6	172.0



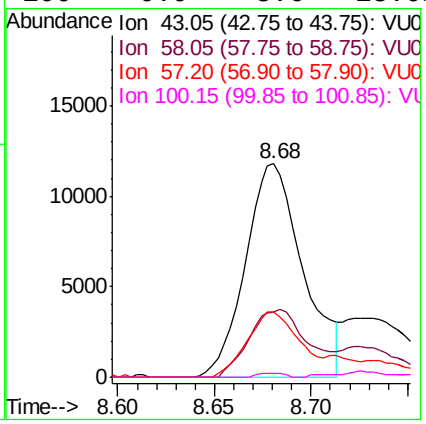


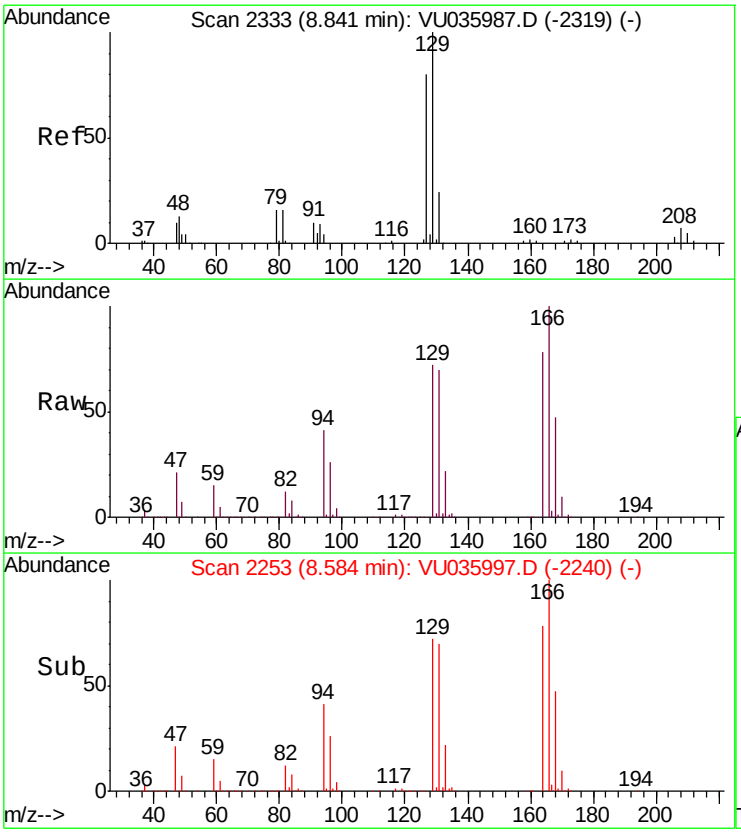
#48
2-Hexanone
Concen: 2.148 ug/L
RT: 8.68 min Scan# 2283
Delta R.T. -0.04 min
Lab File: VU035997.D
Acq: 05 Dec 2019 16:22

Instrument : MSVOA_U
ClientSampleId : BFE32

Tgt Ion: 43 Resp: 24430

Ion	Ratio	Lower	Upper
43	100		
58	31.8	45.4	68.2#
57	28.2	14.9	22.3#
100	0.9	8.6	13.0#

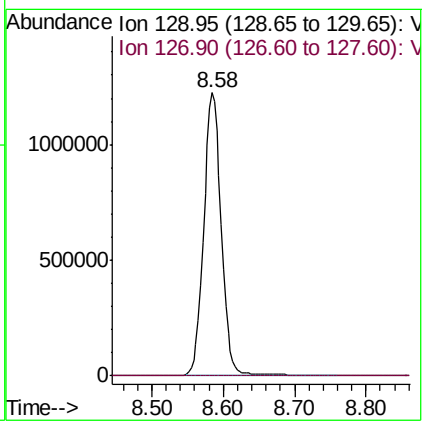


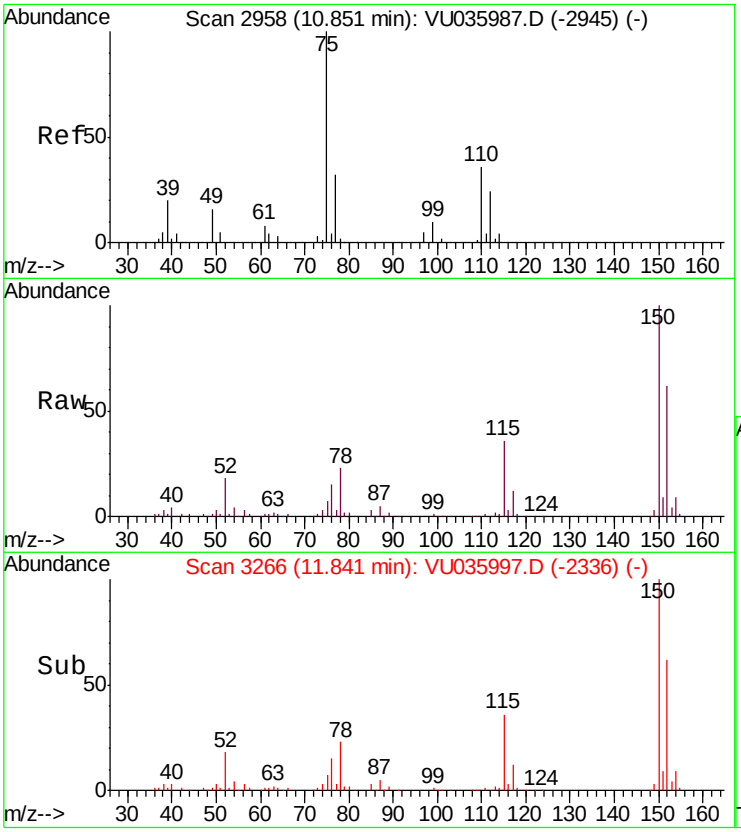


#49
Dibromochloromethane
Concen: 95.978 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU035997.D
Acq: 05 Dec 2019 16:22

Tgt Ion:129 Resp: 2087729

Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.8	98.0#



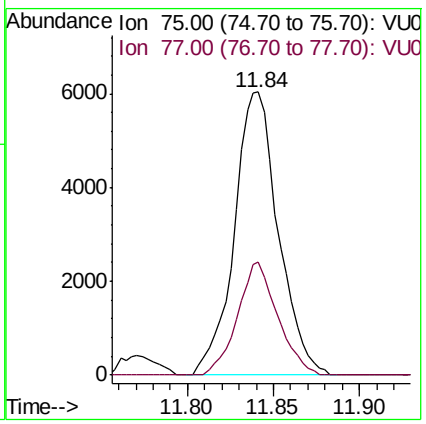


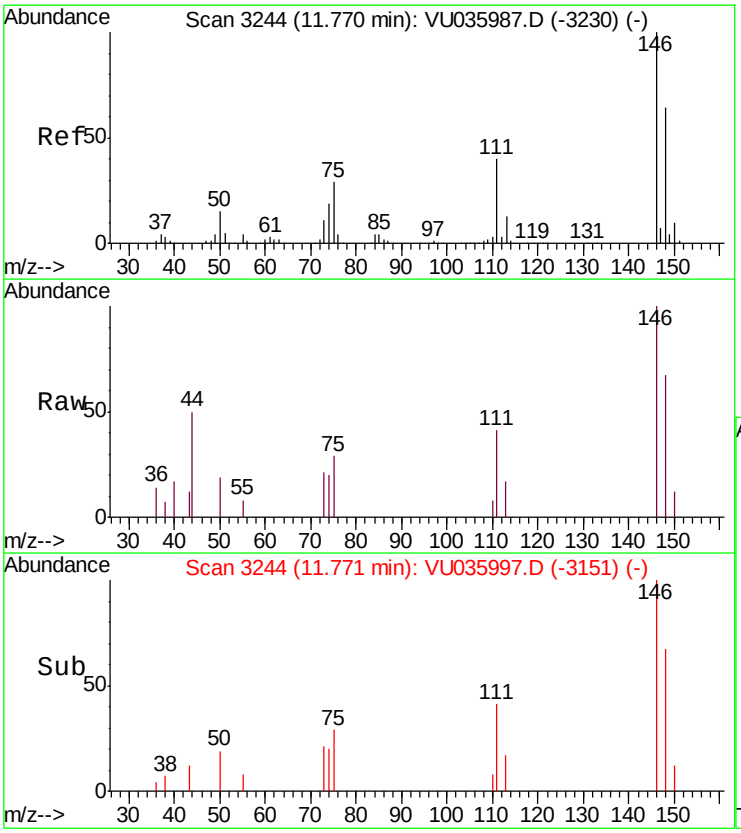
#59
1,2,3-Trichloropropane
Concen: 0.630 ug/L
RT: 11.84 min Scan# 3266
Delta R.T. 0.99 min
Lab File: VU035997.D
Acq: 05 Dec 2019 16:22

Instrument :
MSVOA_U
ClientSampleId :
BFE32

Tgt Ion: 75 Resp: 10737

Ion	Ratio	Lower	Upper
75	100		
77	36.3	26.6	39.8





#62
1,3-Dichlorobenzene
Concen: 0.074 ug/L
RT: 11.77 min Scan# 3244
Delta R.T. 0.00 min
Lab File: VU035997.D
Acq: 05 Dec 2019 16:22

Tgt Ion:146 Resp: 2290

Ion	Ratio	Lower	Upper
146	100		
111	40.8	27.6	51.4
148	67.5	43.4	80.6