Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081420\
Data File : VV018008.D
Acq On : 14 Aug 2020 19:46
Operator : SY/MD
Sample : L3665-16
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F4L36

Quant Time: Aug 17 03:42:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 17 01:31:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	240758	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	236966	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	112814	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	99511	54.17	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 108.34%			
7) Chloroethane-d5	1.58	69	77414	51.51	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.02%			
11) 1,1-Dichloroethene-d2	2.12	63	140640	40.03	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 80.06%			
21) 2-Butanone-d5	3.92	46	136872	113.76	ug/L	0.01
Spiked Amount 100.000	Range 40 - 130		Recovery = 113.76%			
24) Chloroform-d	4.38	84	164347	49.15	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.30%			
26) 1,2-Dichloroethane-d4	5.06	65	115336	53.10	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 106.20%			
32) Benzene-d6	5.07	84	337536	51.68	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.36%			
36) 1,2-Dichloropropane-d6	6.09	67	108449	50.79	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 101.58%			
41) Toluene-d8	7.34	98	298742	50.87	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.74%			
43) trans-1,3-Dichloropropene-	7.64	79	48616	50.20	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 100.40%			
47) 2-Hexanone-d5	8.11	63	62397	91.07	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 91.07%			
57) 1,1,2,2-Tetrachloroethane-	10.24	84	135797	48.84	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 97.68%			
64) 1,2-Dichlorobenzene-d4	11.65	152	121094	54.54	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 109.08%			
Target Compounds						Qvalue
5) Vinyl chloride	1.32	62	971854	454.290	ug/L	99
8) Chloroethane	1.60	64	7253	5.312	ug/L	98
12) 1,1-Dichloroethene	2.13	96	10037	6.215	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	192293	115.831	ug/L	100
18) Methyl tert-butyl Ether	2.78	73	11340	2.065	ug/L #	1
20) cis-1,2-Dichloroethene	3.94	96	13439710	7366.968	ug/L	90
29) Cyclohexane	4.70	56	46800	16.364	ug/L	98
33) Benzene	5.13	78	49609	6.767	ug/L	100
34) Trichloroethene	5.94	95	207578	107.116	ug/L	98
35) Methylcyclohexane	6.15	83	21827	7.575	ug/L	90
46) Tetrachloroethene	8.00	164	1533	1.079	ug/L	91

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

Quantitation Report (QT/LSC Reviewed)

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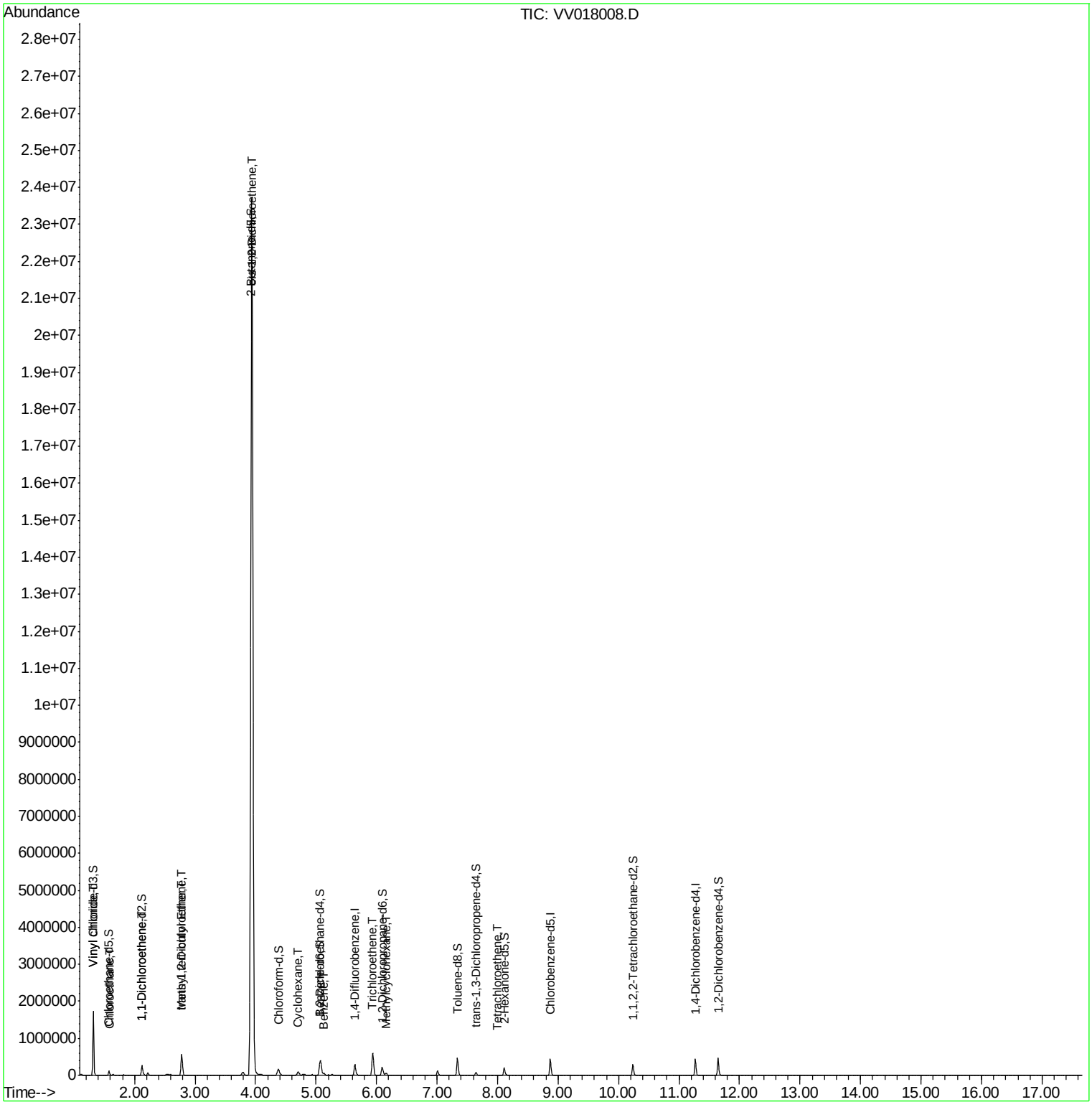
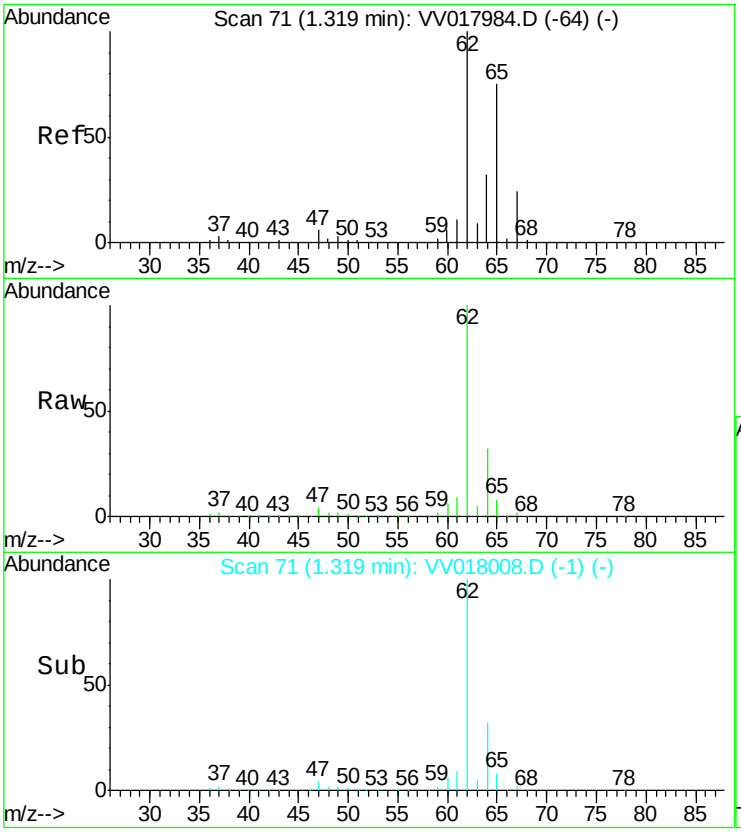
Acq On : 14 Aug 2020 19:46
Operator : SY/MD
Sample : L3665-16
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F4L36

Quant Time: Aug 17 03:42:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 17 01:31:40 2020
Response via : Initial Calibration



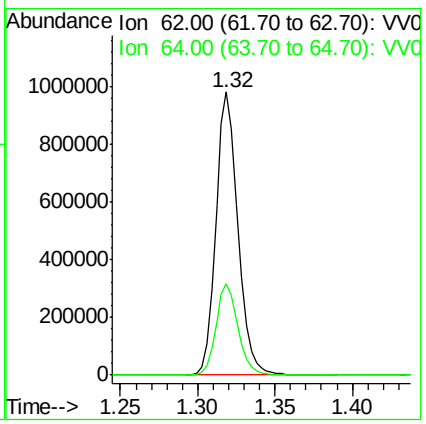


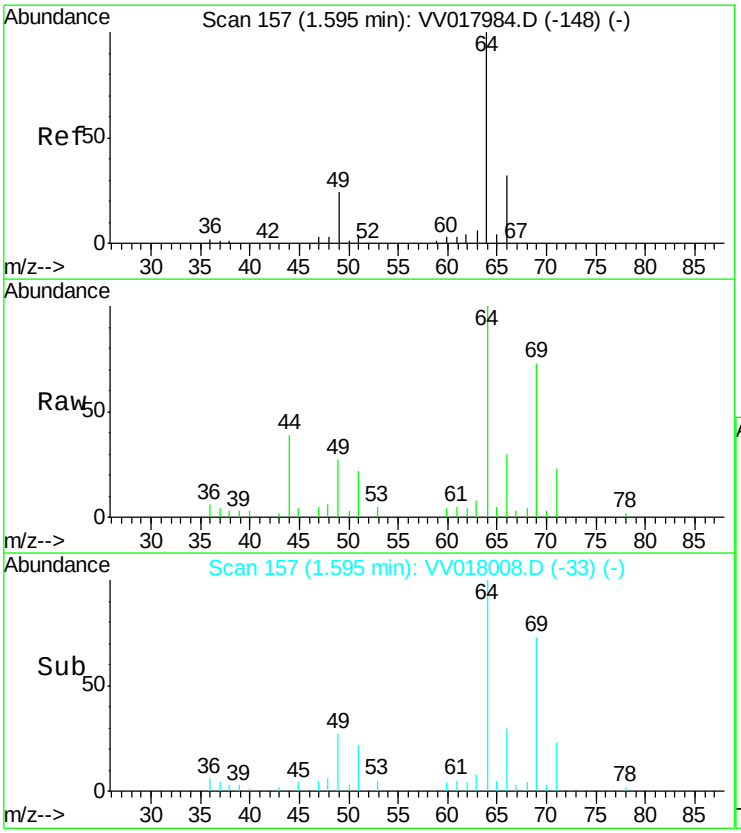
#5
Vinyl chloride
Concen: 454.290 ug/L
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VV018008.D
Acq: 14 Aug 2020 19:46

Instrument :
MSVOA_V
ClientSampleId :
F4L36

Tgt Ion: 62 Resp: 971854

Ion	Ratio	Lower	Upper
62	100		
64	32.3	22.4	41.6

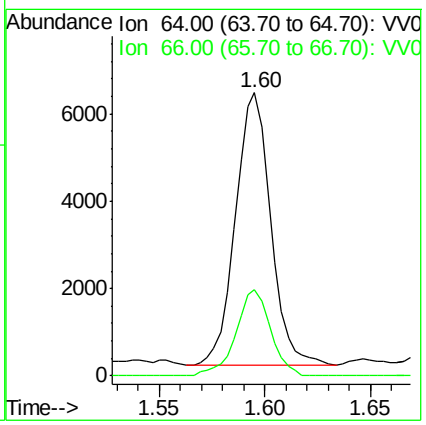


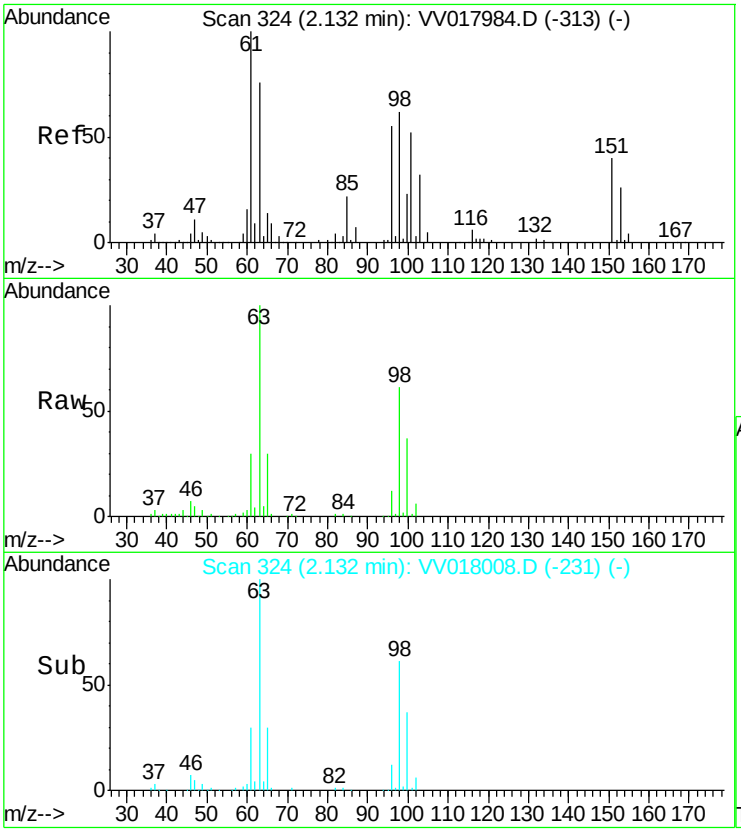


#8
Chloroethane
Concen: 5.312 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV018008.D
Acq: 14 Aug 2020 19:46

Tgt Ion: 64 Resp: 7253

Ion	Ratio	Lower	Upper
64	100		
66	30.5	22.3	41.3



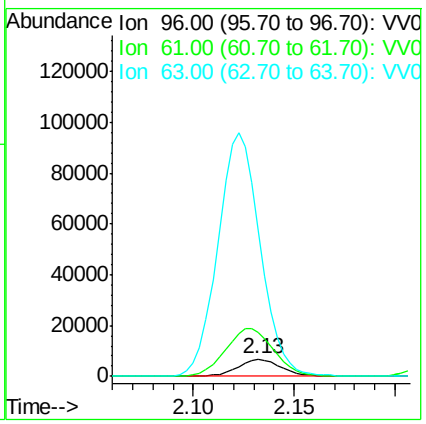


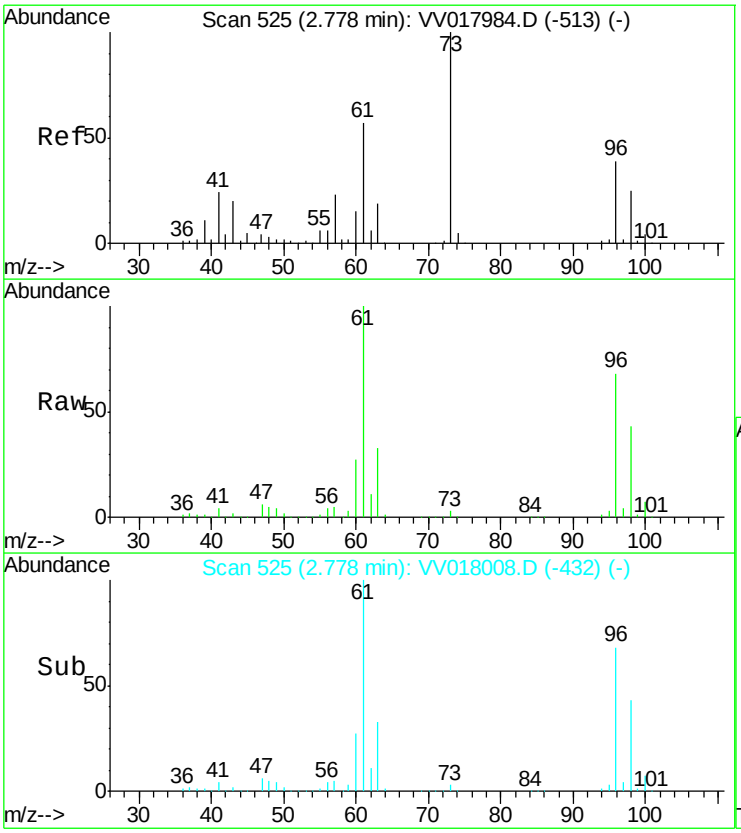
#12
1,1-Dichloroethene
Concen: 6.215 ug/L
RT: 2.13 min Scan# 324
Delta R.T. -0.00 min
Lab File: VV018008.D
Acq: 14 Aug 2020 19:46

Instrument :
MSVOA_V
ClientSampleId :
F4L36

Tgt Ion: 96 Resp: 10037

Ion	Ratio	Lower	Upper
96	100		
61	257.7	127.1	236.0#
63	853.5	95.2	176.8#

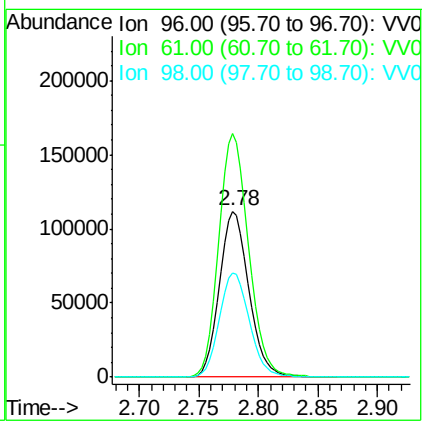


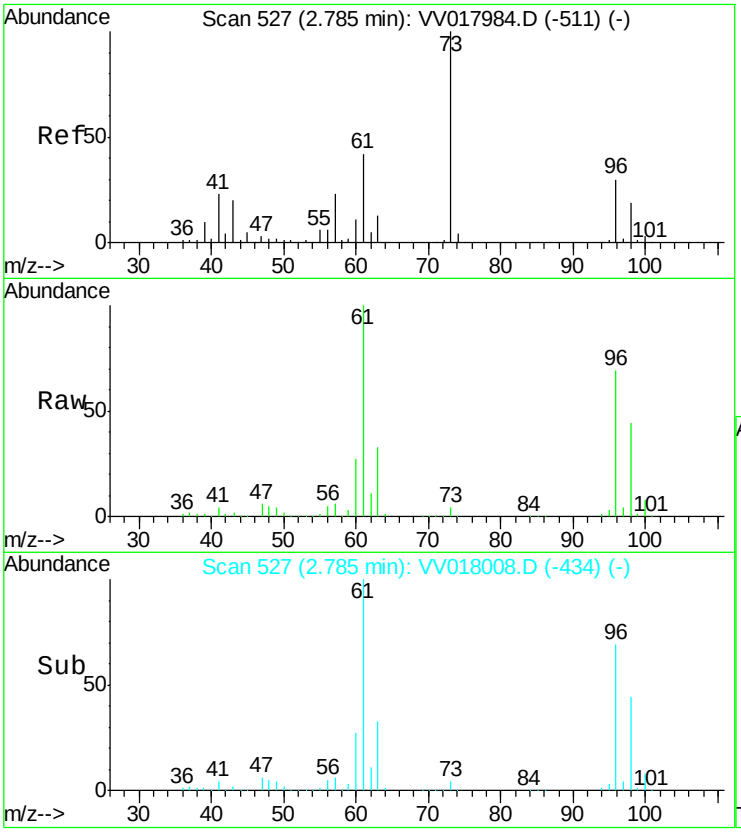


#17
trans-1,2-Dichloroethene
Concen: 115.831 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV018008.D
Acq: 14 Aug 2020 19:46

Tgt Ion: 96 Resp: 192293

Ion	Ratio	Lower	Upper
96	100		
61	146.7	102.4	190.2
98	63.1	44.4	82.5



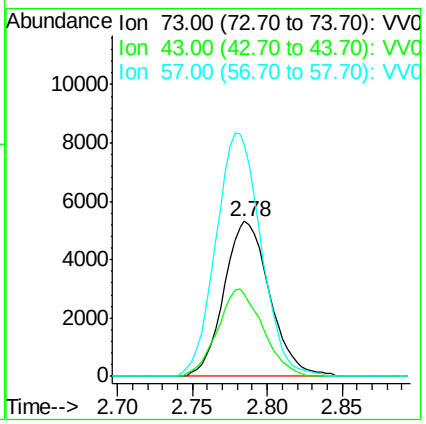


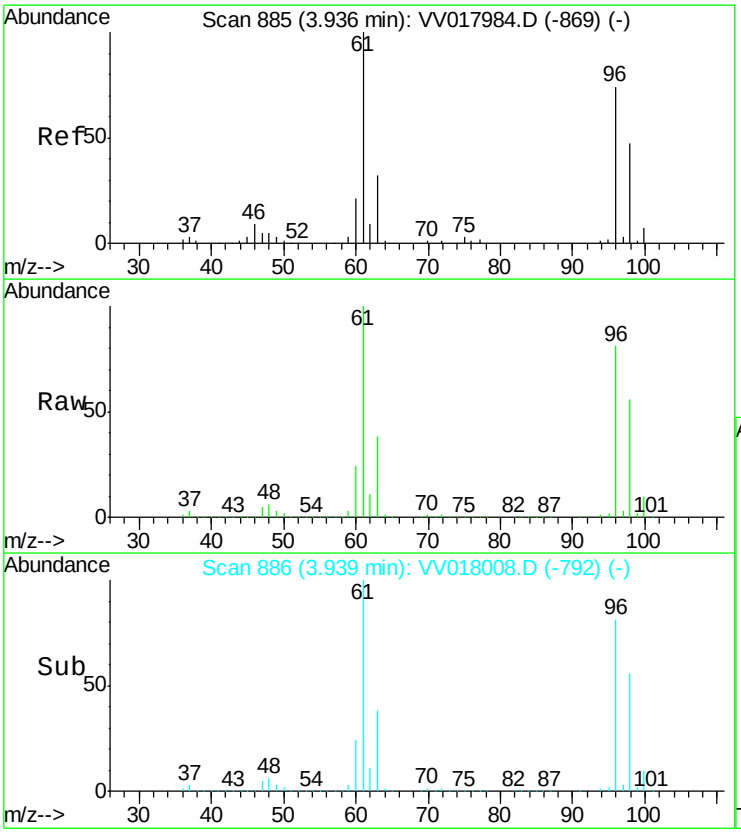
#18
Methyl tert-butyl Ether
Concen: 2.065 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV018008.D
Acq: 14 Aug 2020 19:46

Instrument : MSVOA_V
ClientSampleId : F4L36

Tgt Ion: 73 Resp: 11340

Ion	Ratio	Lower	Upper
73	100		
43	55.7	15.9	23.9#
57	154.5	18.1	27.1#

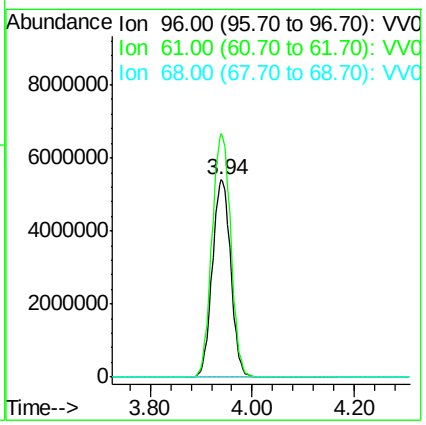


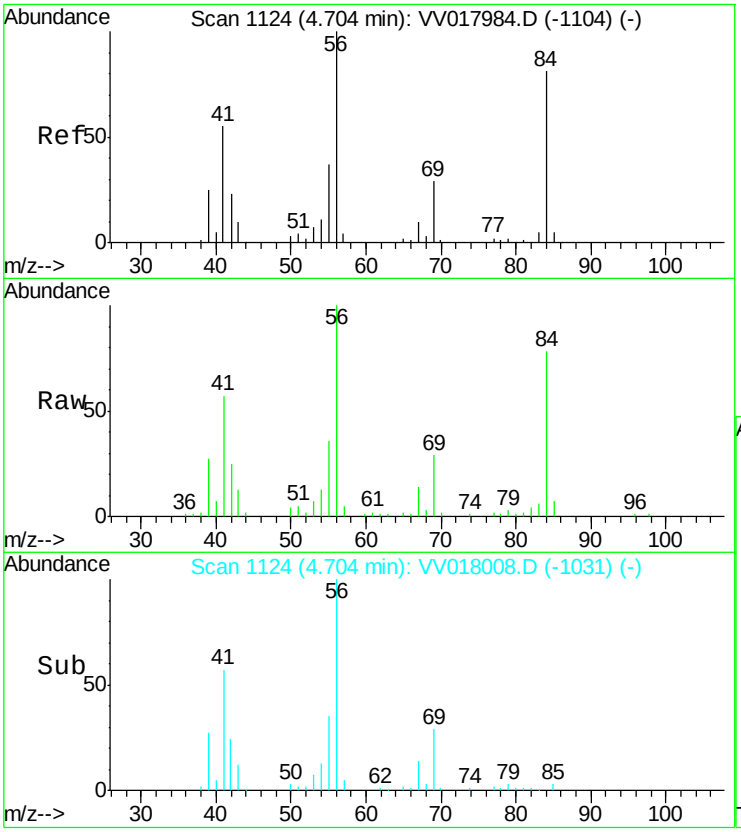


#20
cis-1,2-Dichloroethene
Concen: 7366.968 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV018008.D
Acq: 14 Aug 2020 19:46

Tgt Ion: 96 Resp: 13439710

Ion	Ratio	Lower	Upper
96	100		
61	123.4	95.0	176.4
68	0.0	0.0	0.0



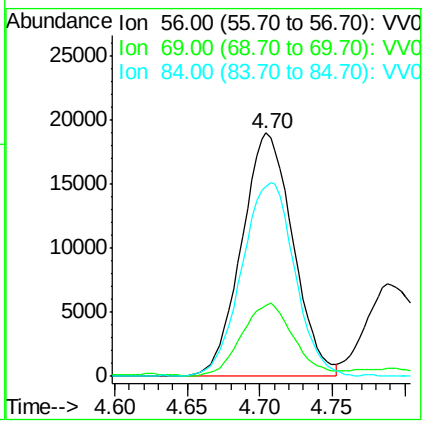


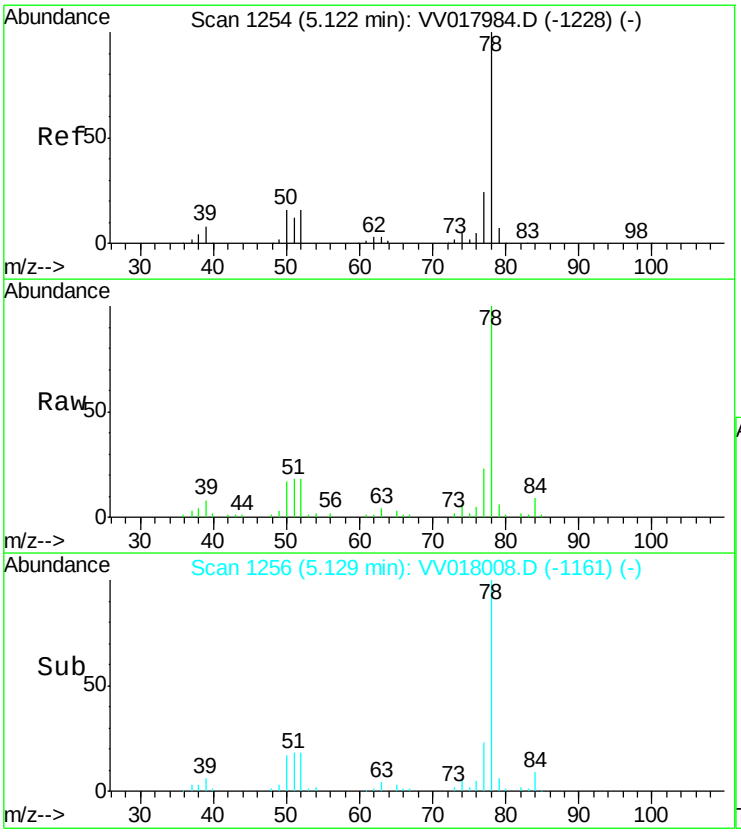
#29
Cyclohexane
Concen: 16.364 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV018008.D
Acq: 14 Aug 2020 19:46

Instrument : MSVOA_V
ClientSampleId : F4L36

Tgt Ion: 56 Resp: 46800

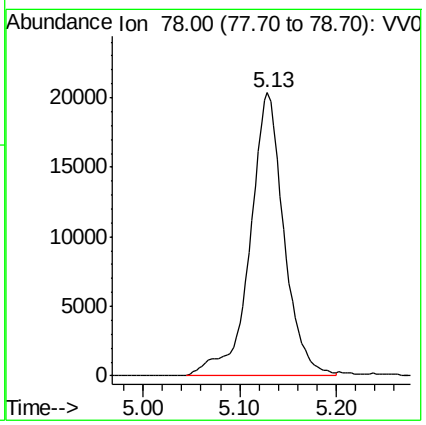
Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.8	35.8
84	81.8	66.8	100.2

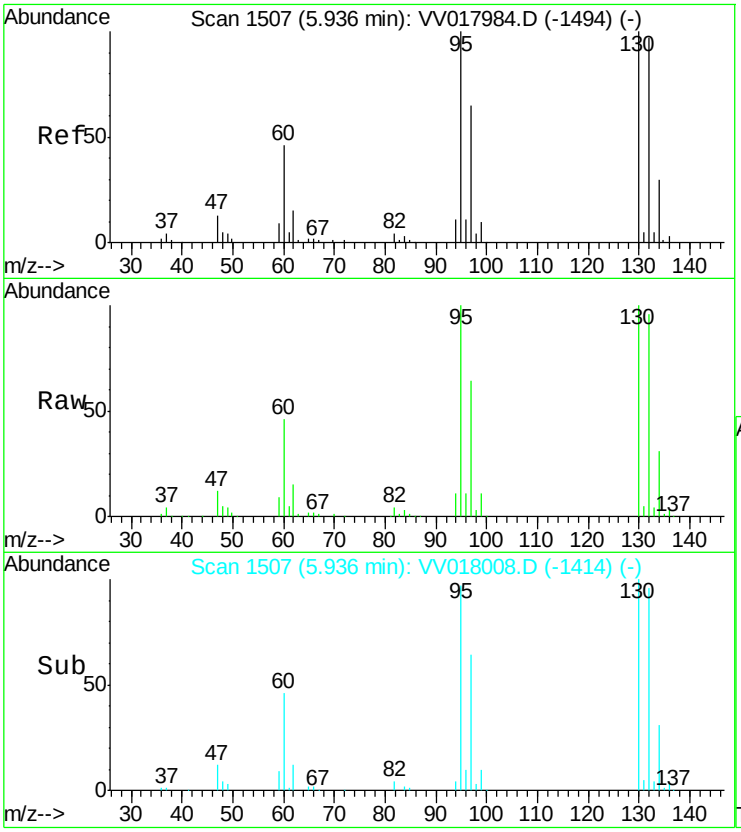




#33
Benzene
Concen: 6.767 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV018008.D
Acq: 14 Aug 2020 19:46

Tgt Ion: 78 Resp: 49609



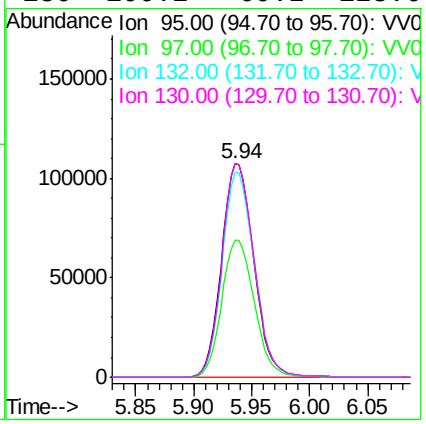


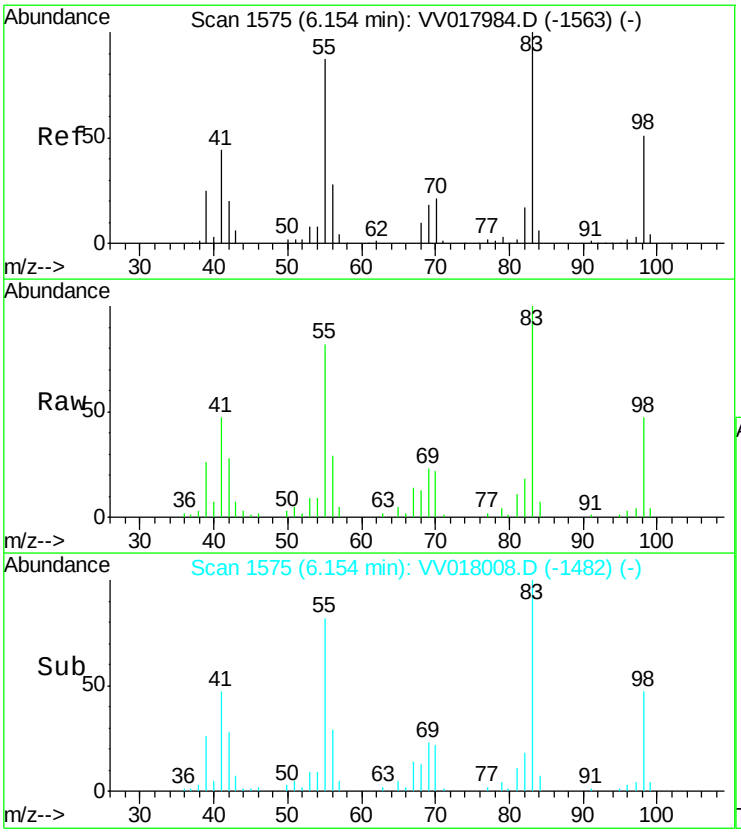
#34
Trichloroethene
Concen: 107.116 ug/L
RT: 5.94 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VV018008.D
Acq: 14 Aug 2020 19:46

Instrument :
MSVOA_V
ClientSampleId :
F4L36

Tgt Ion: 95 Resp: 207578

Ion	Ratio	Lower	Upper
95	100		
97	64.2	46.0	85.4
132	96.0	65.8	122.2
130	100.2	69.2	128.6

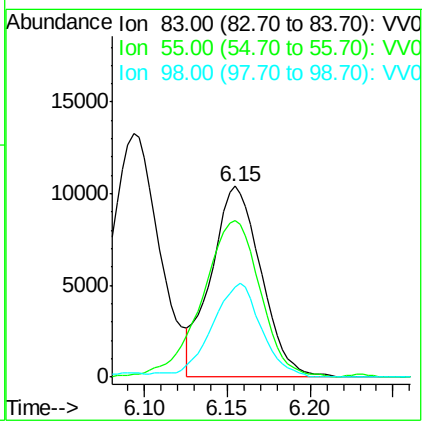


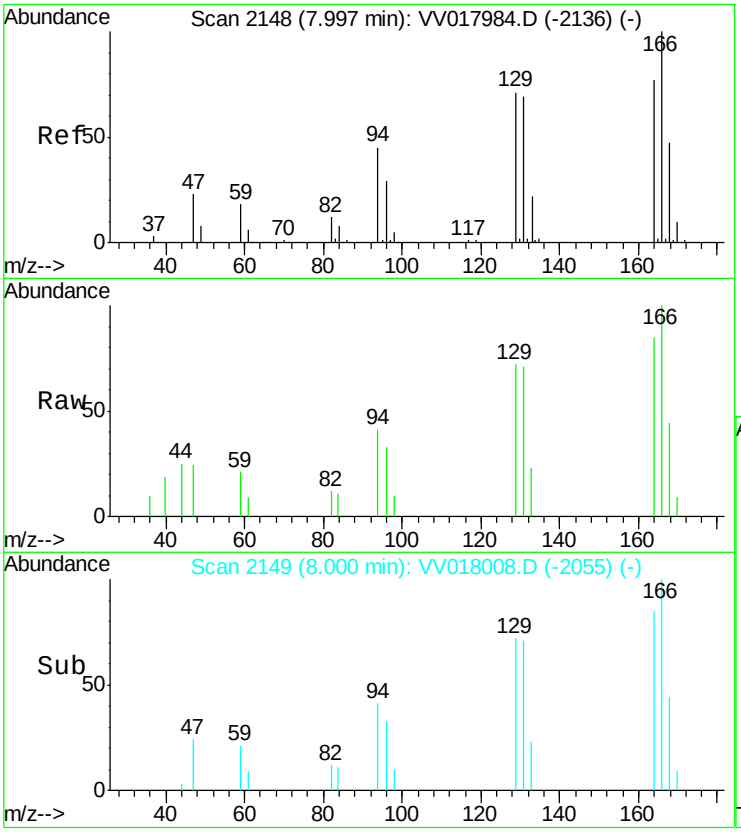


#35
Methylcyclohexane
Concen: 7.575 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV018008.D
Acq: 14 Aug 2020 19:46

Tgt Ion: 83 Resp: 21827

Ion	Ratio	Lower	Upper
83	100		
55	95.0	64.9	97.3
98	48.1	38.7	58.1





#46
Tetrachloroethene
Concen: 1.079 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VV018008.D
Acq: 14 Aug 2020 19:46

Instrument :
MSVOA_V
ClientSampleId :
F4L36

Tgt Ion:164 Resp: 1533

Ion	Ratio	Lower	Upper
164	100		
129	84.5	64.8	120.3
131	83.0	64.5	119.9
166	117.1	88.9	165.1