Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071719\
Data File : VV011916.D
Acq On : 17 Jul 2019 17:24
Operator : SY/MD
Sample : K3823-06
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A52K4

Quant Time: Jul 18 03:48:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 02:17:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	149675	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	147076	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	63721	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	54147	4.93	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 98.60%			
7) Chloroethane-d5	1.58	69	47157	5.18	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 103.60%			
11) 1,1-Dichloroethene-d2	2.13	63	70060	3.90	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 78.00%			
20) 2-Butanone-d5	3.94	46	146394	52.73	ug/L	-0.02
Spiked Amount 50.000	Range 40 - 130		Recovery = 105.46%			
24) Chloroform-d	4.40	84	108505	4.92	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 98.40%			
26) 1,2-Dichloroethane-d4	5.08	65	58442	5.17	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 103.40%			
32) Benzene-d6	5.10	84	218901	5.11	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 102.20%			
36) 1,2-Dichloropropane-d6	6.12	67	68401	5.22	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 104.40%			
41) Toluene-d8	7.36	98	184203	4.72	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 94.40%			
43) trans-1,3-Dichloropropene-	7.66	79	22894	4.72	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 94.40%			
46) 2-Hexanone-d5	8.13	63	88544	45.34	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 90.68%			
57) 1,1,2,2-Tetrachloroethane-	10.26	84	38316	4.65	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 93.00%			
64) 1,2-Dichlorobenzene-d4	11.67	152	67702	5.32	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 106.40%			
Target Compounds						Qvalue
5) Vinyl chloride	1.32	62	18735	1.311	ug/L	93
8) Chloroethane	1.60	64	6141	0.756	ug/L	100
12) 1,1-Dichloroethene	2.14	96	16757	2.100	ug/L #	49
13) Acetone	2.19	43	5756	4.085	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	1091	0.097	ug/L	81
19) 1,1-Dichloroethane	3.23	63	354713	16.773	ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	57571	4.986	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	678915	37.560	ug/L	99
34) Trichloroethene	5.96	95	12908	1.009	ug/L	95
42) Toluene	7.43	91	4532	0.094	ug/L	83
47) Tetrachloroethene	8.02	164	5773	0.613	ug/L	89
65) 1,2-Dichlorobenzene	11.69	146	5890	0.307	ug/L	94

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

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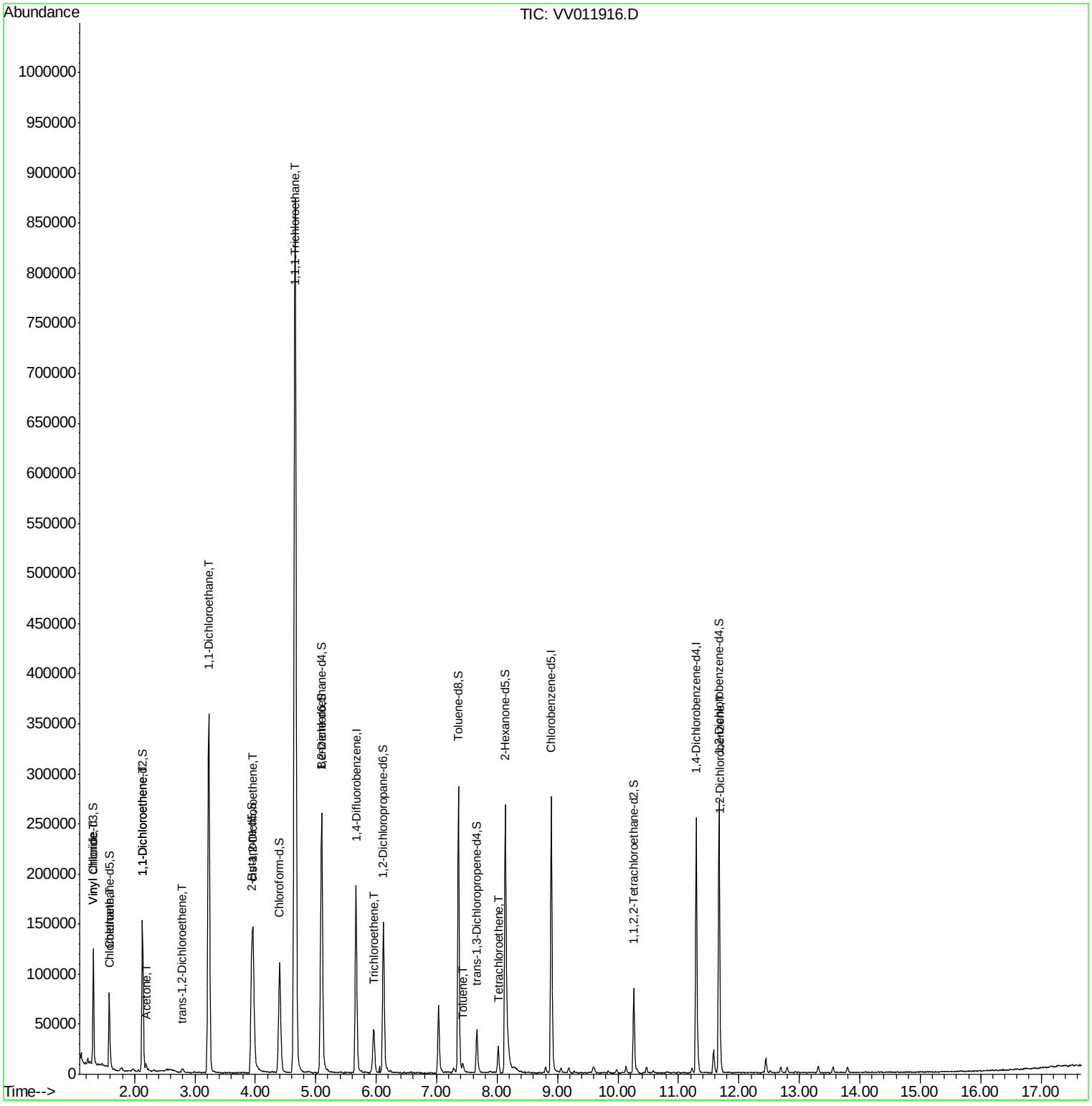
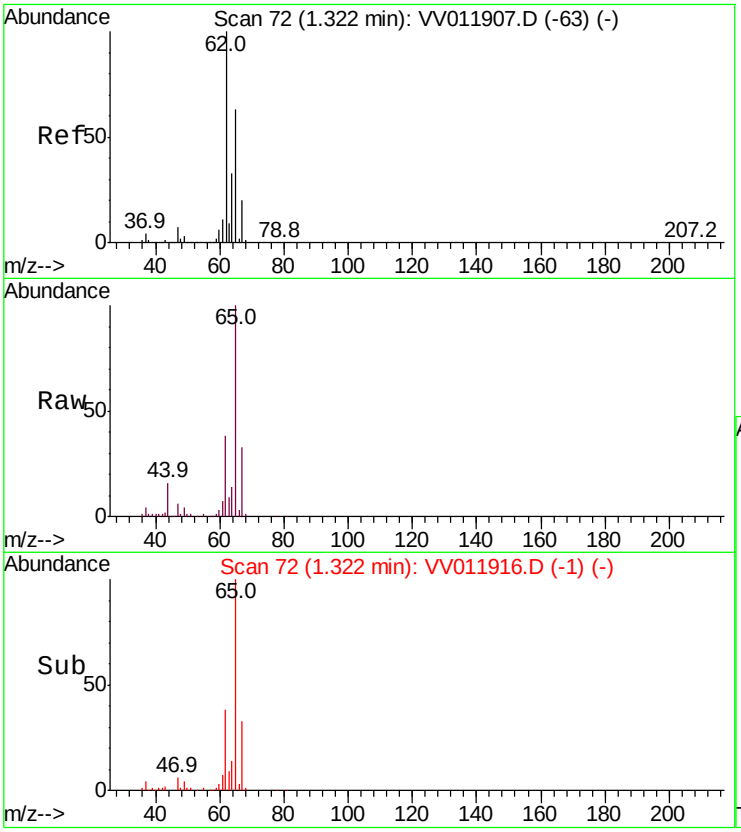
Quant Time: Jul 18 03:48:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 02:17:52 2019
Response via : Initial Calibration



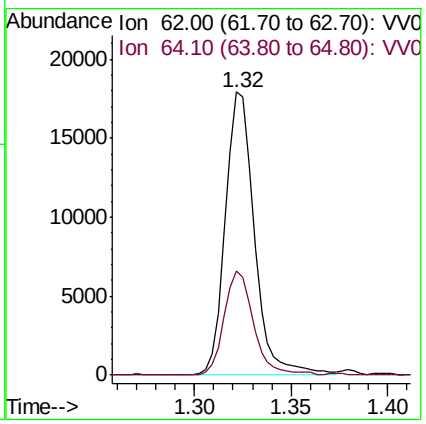


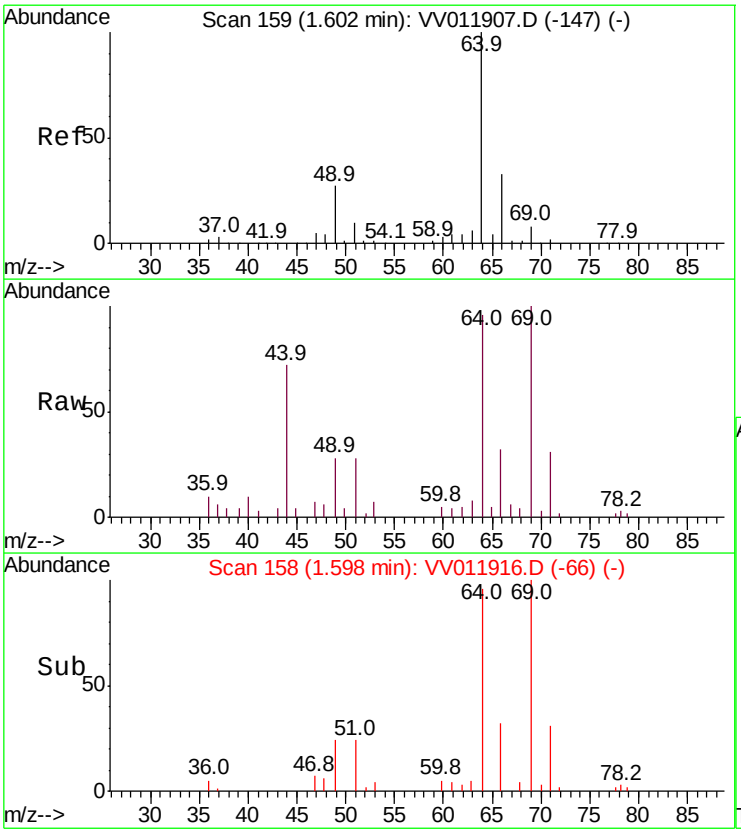
#5
Vinyl chloride
Concen: 1.311 ug/L
RT: 1.32 min Scan# 72
Delta R.T. -0.00 min
Lab File: VV011916.D
Acq: 17 Jul 2019 17:24

Instrument :
MSVOA_V
ClientSampleId :
A52K4

Tgt Ion: 62 Resp: 18735

Ion	Ratio	Lower	Upper
62	100		
64	36.9	22.9	42.5

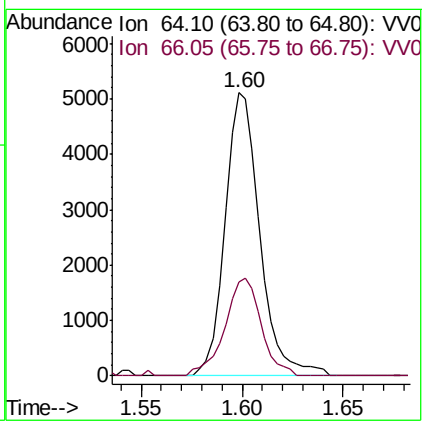


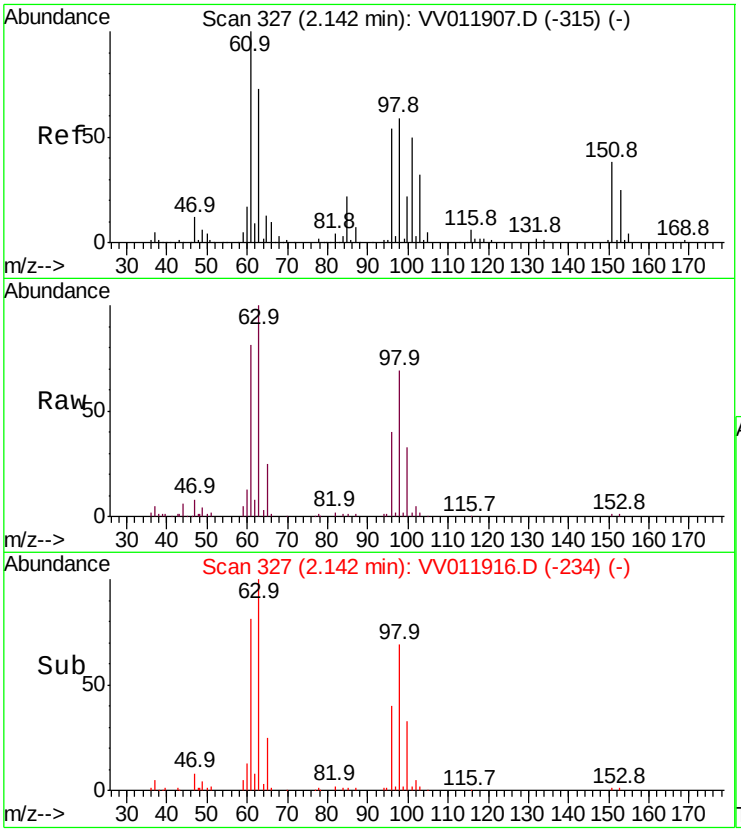


#8
Chloroethane
Concen: 0.756 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV011916.D
Acq: 17 Jul 2019 17:24

Tgt Ion: 64 Resp: 6141

Ion	Ratio	Lower	Upper
64	100		
66	33.4	23.2	43.2



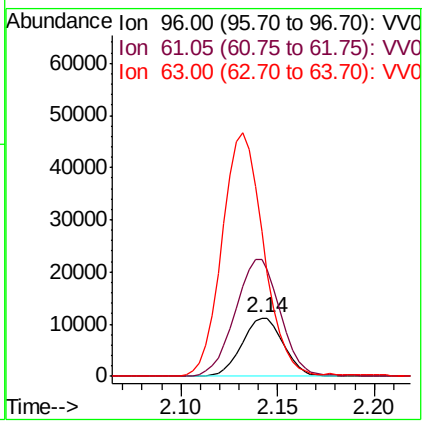


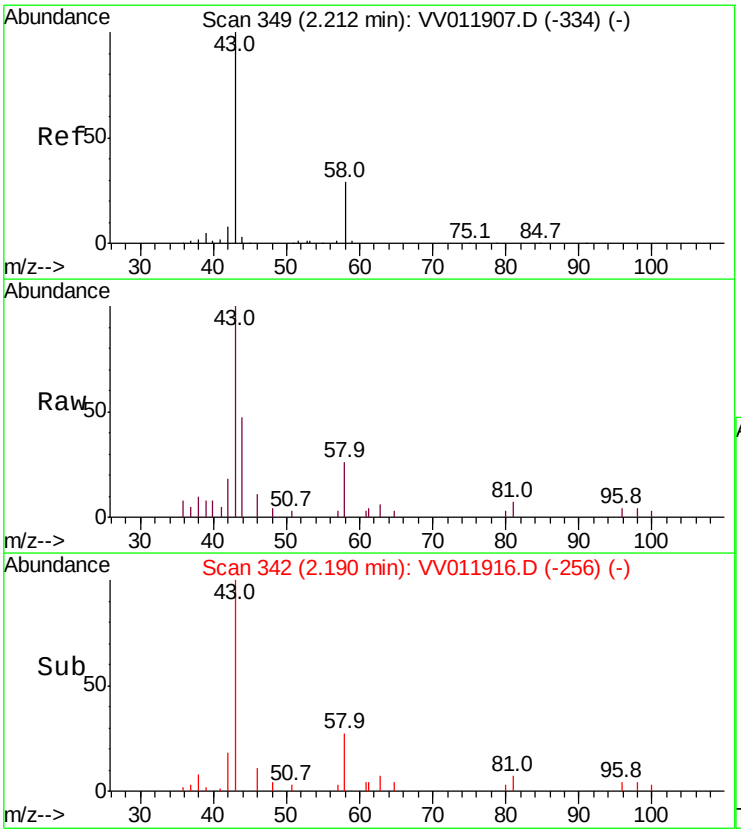
#12
1,1-Dichloroethene
Concen: 2.100 ug/L
RT: 2.14 min Scan# 327
Delta R.T. -0.00 min
Lab File: VV011916.D
Acq: 17 Jul 2019 17:24

Instrument : MSVOA_V
ClientSampleId : A52K4

Tgt Ion: 96 Resp: 16757

Ion	Ratio	Lower	Upper
96	100		
61	199.5	128.9	239.3
63	247.8	85.5	158.9#

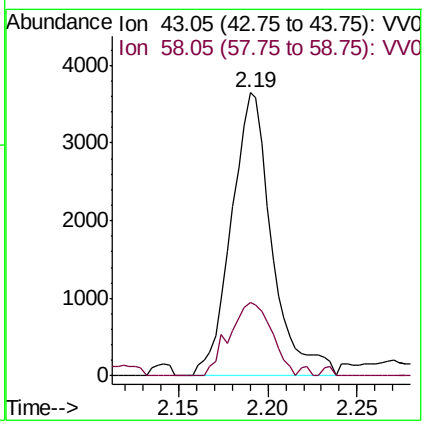


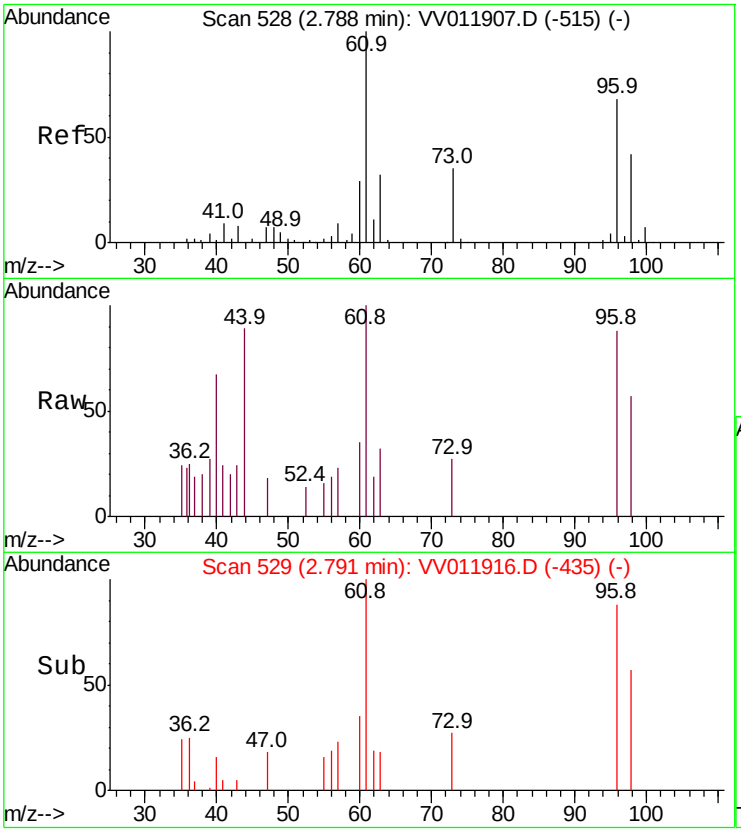


#13
Acetone
Concen: 4.085 ug/L
RT: 2.19 min Scan# 342
Delta R.T. -0.02 min
Lab File: VV011916.D
Acq: 17 Jul 2019 17:24

Tgt Ion: 43 Resp: 5756

Ion	Ratio	Lower	Upper
43	100		
58	27.2	0.0	55.6



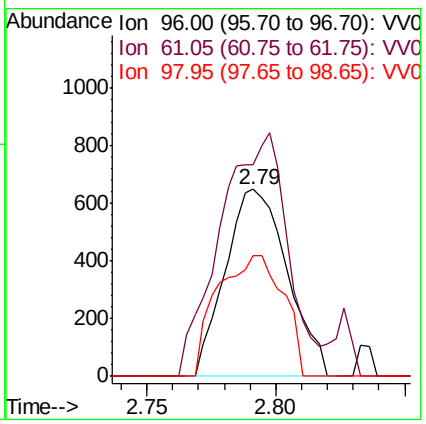


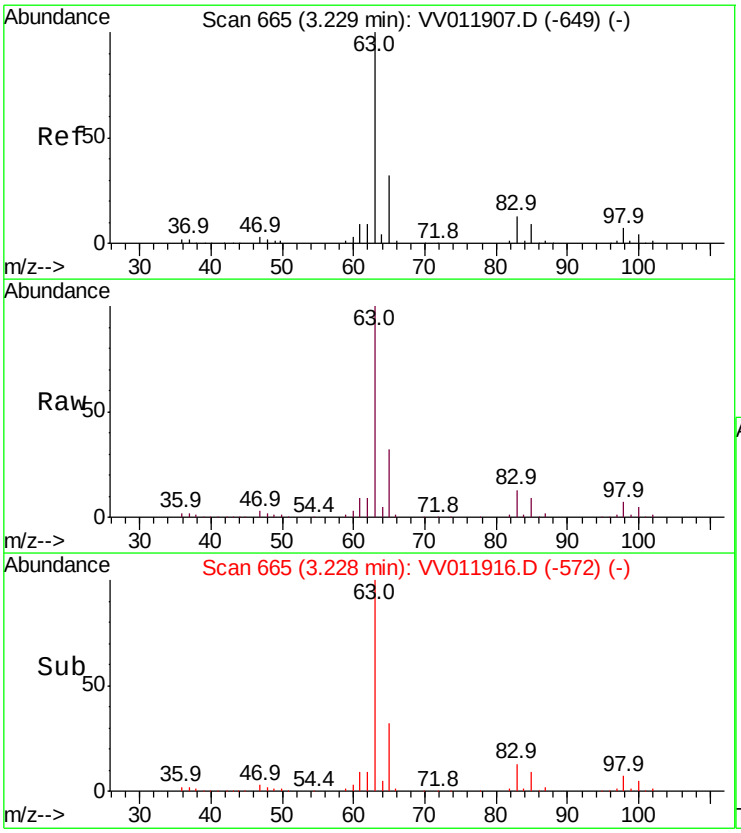
#18
trans-1,2-Dichloroethene
Concen: 0.097 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV011916.D
Acq: 17 Jul 2019 17:24

Instrument :
MSVOA_V
ClientSampleId :
A52K4

Tgt Ion: 96 Resp: 1091

Ion	Ratio	Lower	Upper
96	100		
61	113.2	102.2	189.8
98	64.6	44.4	82.5

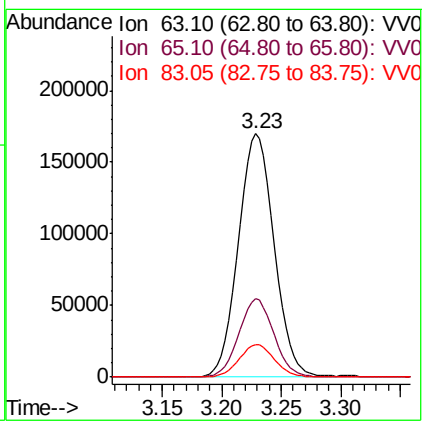


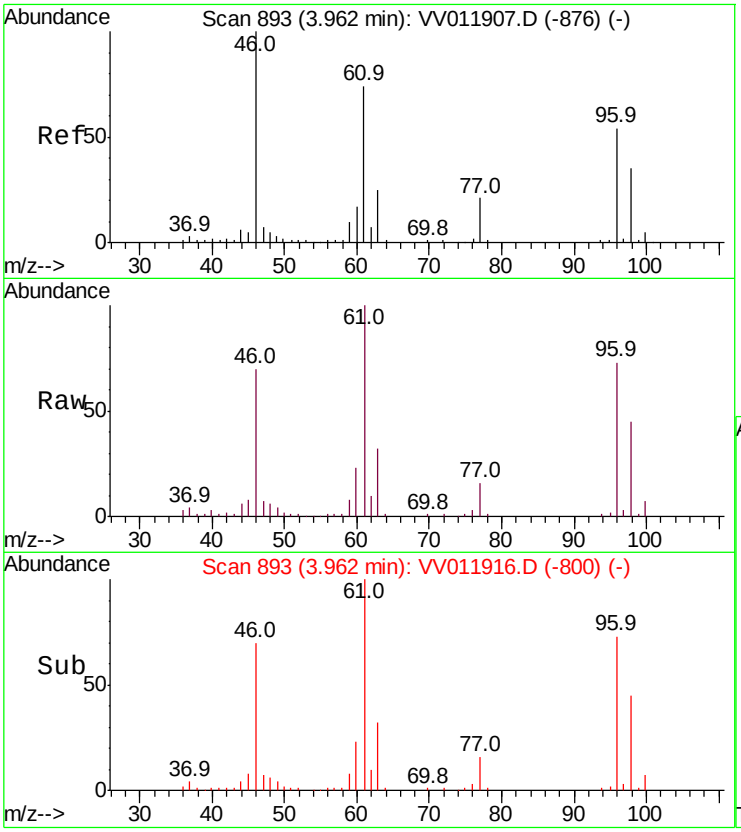


#19
1,1-Dichloroethane
Concen: 16.773 ug/L
RT: 3.23 min Scan# 665
Delta R.T. -0.00 min
Lab File: VV011916.D
Acq: 17 Jul 2019 17:24

Tgt Ion: 63 Resp: 354713

Ion	Ratio	Lower	Upper
63	100		
65	32.3	22.7	42.3
83	13.4	9.4	17.6



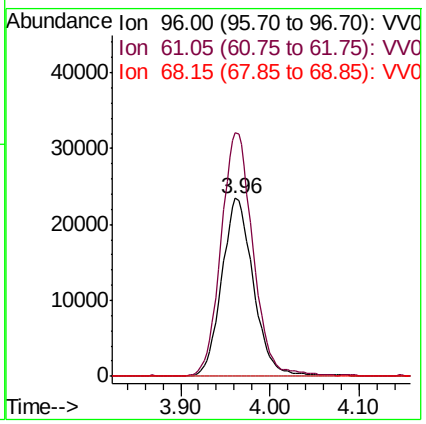


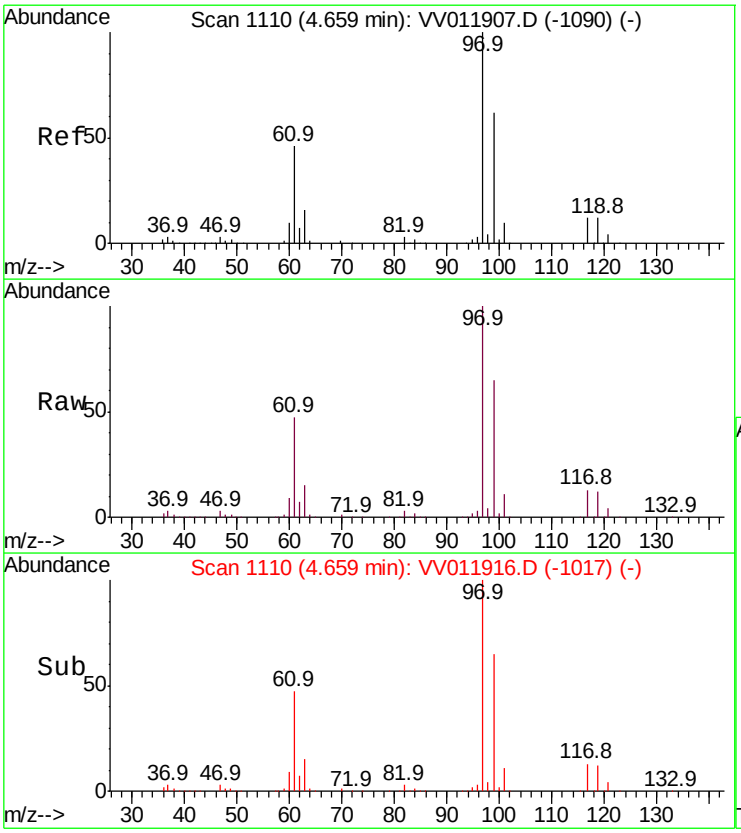
#22
cis-1,2-Dichloroethene
Concen: 4.986 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV011916.D
Acq: 17 Jul 2019 17:24

Instrument :
MSVOA_V
ClientSampleId :
A52K4

Tgt Ion: 96 Resp: 57571

Ion	Ratio	Lower	Upper
96	100		
61	136.7	95.2	176.8
68	0.0	0.0	0.0

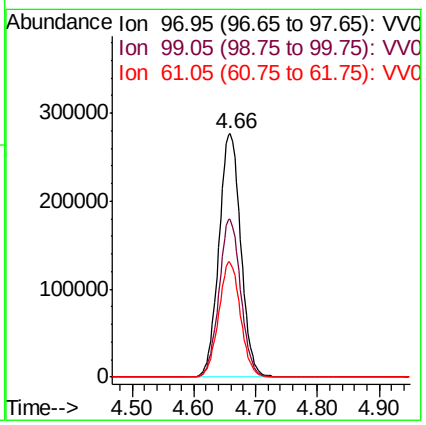


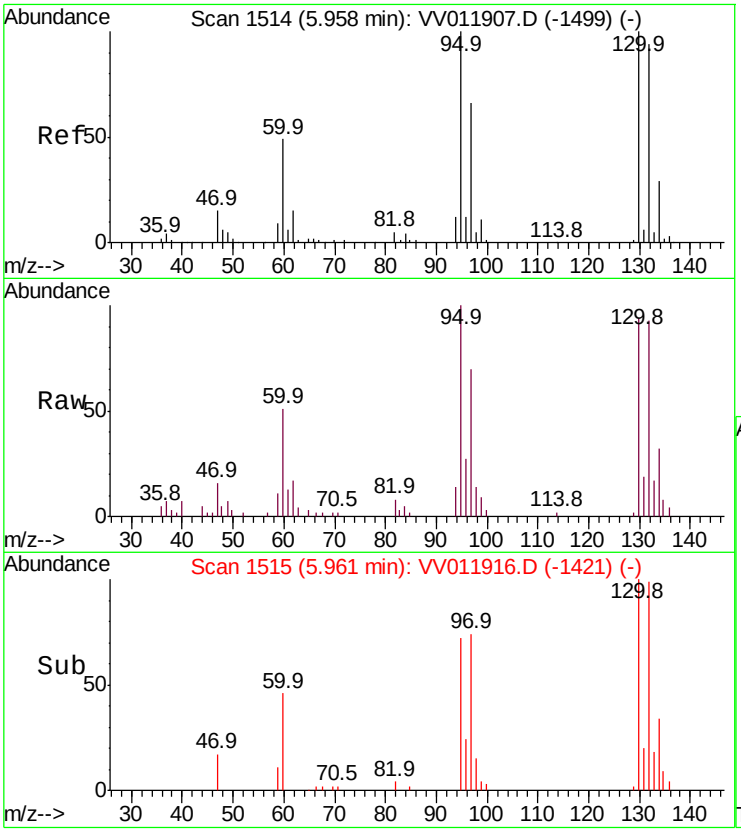


#29
1,1,1-Trichloroethane
Concen: 37.560 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VV011916.D
Acq: 17 Jul 2019 17:24

Tgt Ion: 97 Resp: 678915

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.1	76.7
61	47.1	38.6	57.8



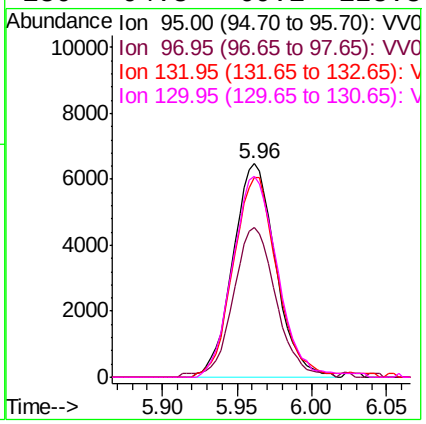


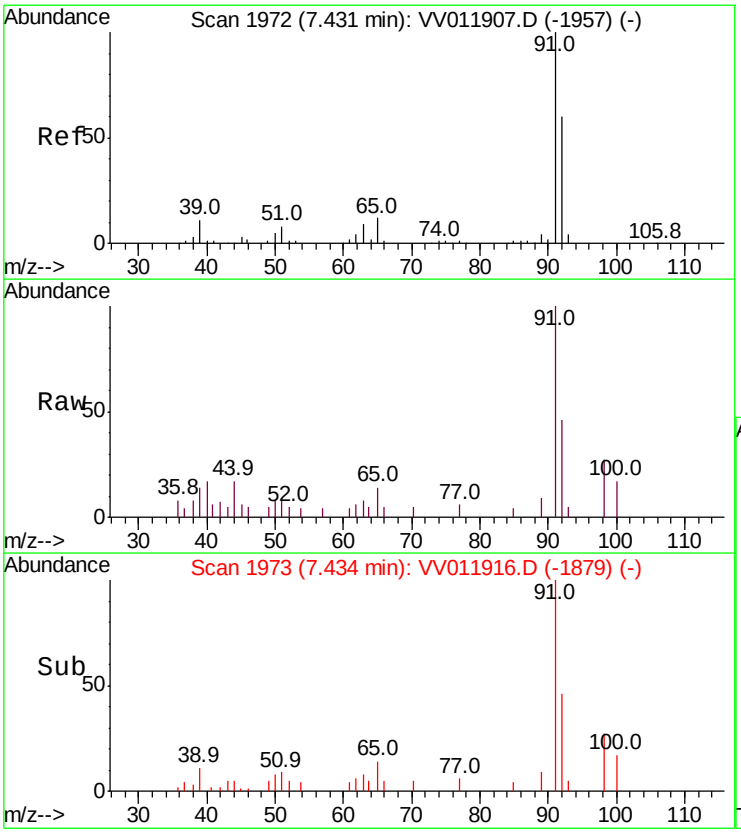
#34
Trichloroethene
Concen: 1.009 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VV011916.D
Acq: 17 Jul 2019 17:24

Instrument :
MSVOA_V
ClientSampleId :
A52K4

Tgt Ion: 95 Resp: 12908

Ion	Ratio	Lower	Upper
95	100		
97	69.9	44.0	81.6
132	93.2	67.0	124.4
130	94.3	69.1	128.3

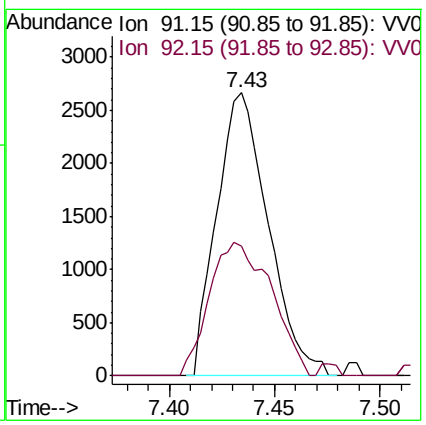


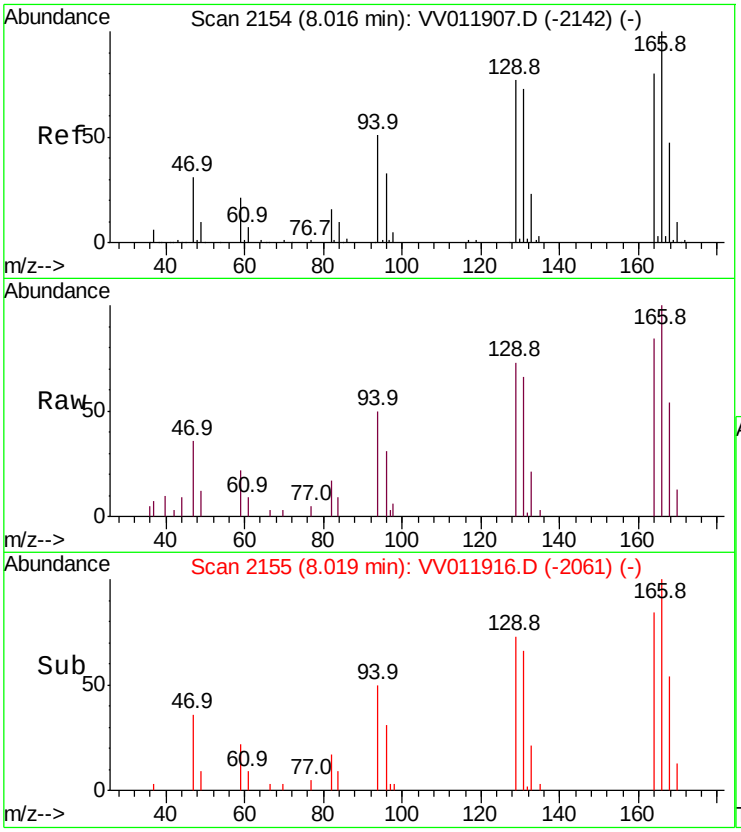


#42
Toluene
Concen: 0.094 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VV011916.D
Acq: 17 Jul 2019 17:24

Tgt Ion: 91 Resp: 4532

Ion	Ratio	Lower	Upper
91	100		
92	45.9	41.1	76.3



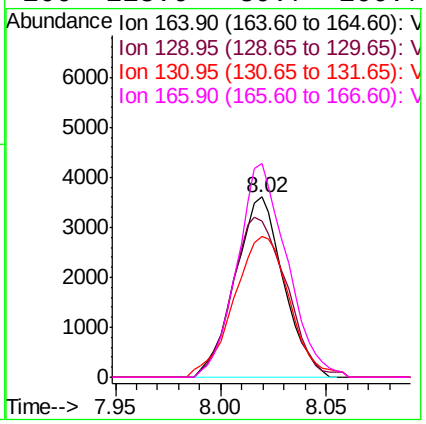


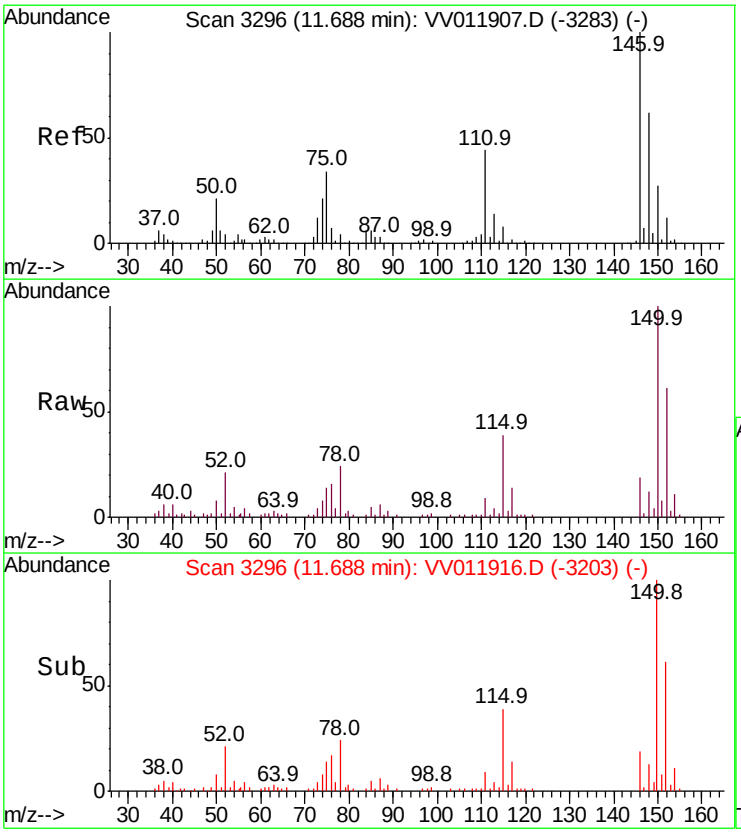
#47
Tetrachloroethene
Concen: 0.613 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV011916.D
Acq: 17 Jul 2019 17:24

Instrument : MSVOA_V
ClientSampleId : A52K4

Tgt Ion:164 Resp: 5773

Ion	Ratio	Lower	Upper
164	100		
129	86.6	68.6	127.4
131	77.9	64.6	120.0
166	118.6	89.7	166.7





#65
1,2-Dichlorobenzene
Concen: 0.307 ug/L
RT: 11.69 min Scan# 3296
Delta R.T. -0.00 min
Lab File: VV011916.D
Acq: 17 Jul 2019 17:24

Tgt Ion:146 Resp: 5890

Ion	Ratio	Lower	Upper
146	100		
111	49.8	34.0	51.0
148	67.0	51.8	77.6