Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100418\
Data File : VV008082.D
Acq On : 05 Oct 2018 00:41
Operator : SY/MD
Sample : J5246-16
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0J84

Quant Time: Oct 18 17:51:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 05 05:56:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	82098	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	79115	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	39552	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	18184	4.13	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 82.60%			
7) Chloroethane-d5	1.58	69	16728	4.40	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 88.00%			
11) 1,1-Dichloroethene-d2	2.13	63	30253	3.04	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 60.80%			
20) 2-Butanone-d5	3.98	46	79894	60.35	ug/L	0.02
Spiked Amount 50.000	Range 40 - 130		Recovery = 120.70%			
24) Chloroform-d	4.41	84	50939	5.08	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 101.60%			
26) 1,2-Dichloroethane-d4	5.09	65	26597	4.82	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 96.40%			
32) Benzene-d6	5.10	84	92815	4.91	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 98.20%			
36) 1,2-Dichloropropane-d6	6.13	67	31570	5.27	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 105.40%			
41) Toluene-d8	7.36	98	83640	4.35	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 87.00%			
43) trans-1,3-Dichloropropene-	7.67	79	10709	4.64	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 92.80%			
46) 2-Hexanone-d5	8.14	63	51961	51.06	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 102.12%			
57) 1,1,2,2-Tetrachloroethane-	10.27	84	24138	5.22	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 104.40%			
64) 1,2-Dichlorobenzene-d4	11.68	152	36595	4.78	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 95.60%			
Target Compounds						Qvalue
5) Vinyl chloride	1.32	62	61676	9.404	ug/L	99
12) 1,1-Dichloroethene	2.14	96	3372	0.621	ug/L #	1
17) Methyl tert-butyl Ether	2.82	73	102550	7.649	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	46470	7.768	ug/L	98
22) cis-1,2-Dichloroethene	3.97	96	574270	94.812	ug/L	97
30) Cyclohexane	4.72	56	4581	0.512	ug/L	92
31) Carbon tetrachloride	4.88	117	2450	0.292	ug/L	96
33) Benzene	5.15	78	9792	0.432	ug/L	100
34) Trichloroethene	5.97	95	8600992	1325.915	ug/L	93
45) 1,1,2-Trichloroethane	7.89	97	4073	0.975	ug/L	94
47) Tetrachloroethene	8.02	164	51333	8.540	ug/L	99
51) Chlorobenzene	8.93	112	2248	0.132	ug/L	90
58) 1,1,2,2-Tetrachloroethane	10.29	83	5087	1.037	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	3124	0.230	ug/L	94
65) 1,2-Dichlorobenzene	11.69	146	4460	0.362	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV100418\
Data File : VV008082.D
Acq On : 05 Oct 2018 00:41
Operator : SY/MD
Sample : J5246-16
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0J84

Quant Time: Oct 18 17:51:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 05 05:56:33 2018
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 V\Data\VV100418\
Data File : VV008082.D
Acq On : 05 Oct 2018 00:41
Operator : SY/MD
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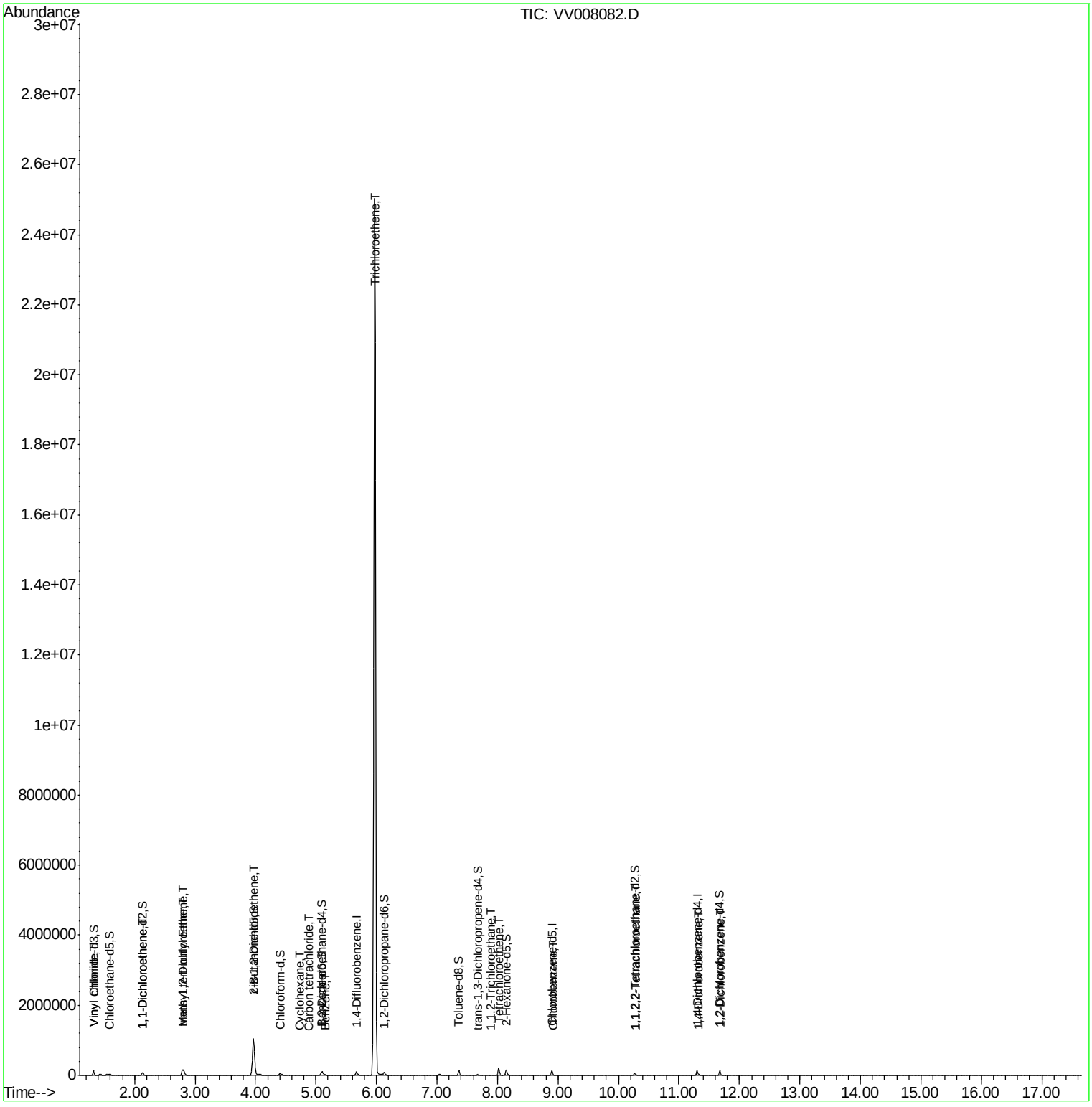
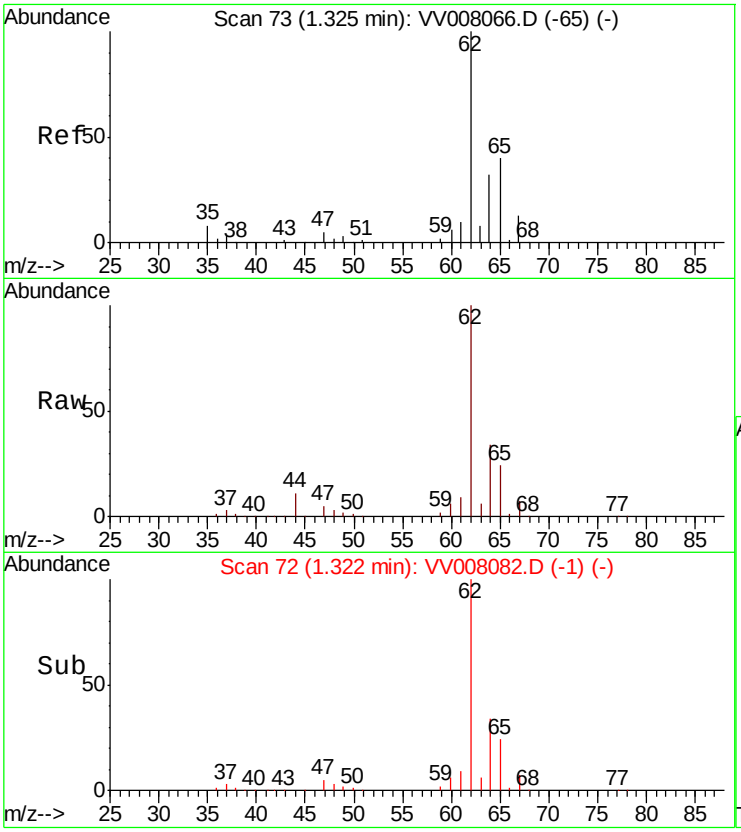
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 05 05:56:33 2018
Response via : Initial Calibration



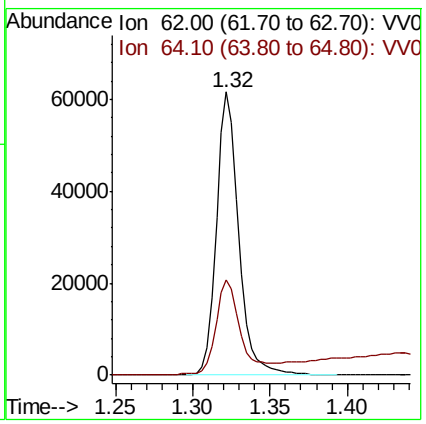


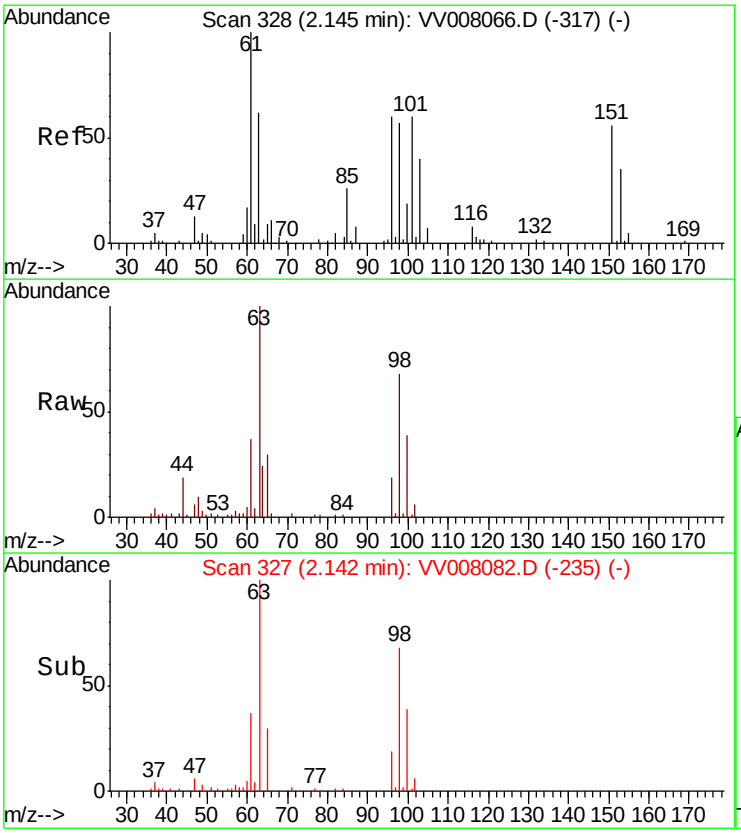
#5
Vinyl chloride
Concen: 9.404 ug/L
RT: 1.32 min Scan# 72
Delta R.T. -0.00 min
Lab File: VV008082.D
Acq: 05 Oct 2018 00:41

Instrument :
MSVOA_V
ClientSampleId :
C0J84

Tgt Ion: 62 Resp: 61676

Ion	Ratio	Lower	Upper
62	100		
64	33.6	24.0	44.6

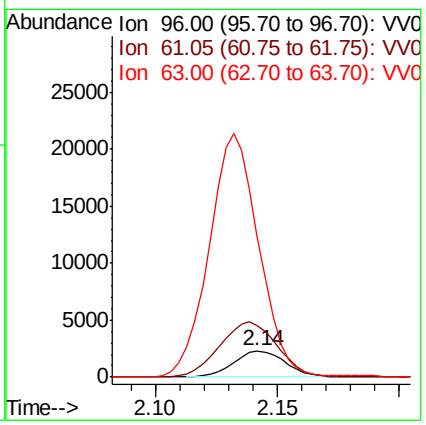


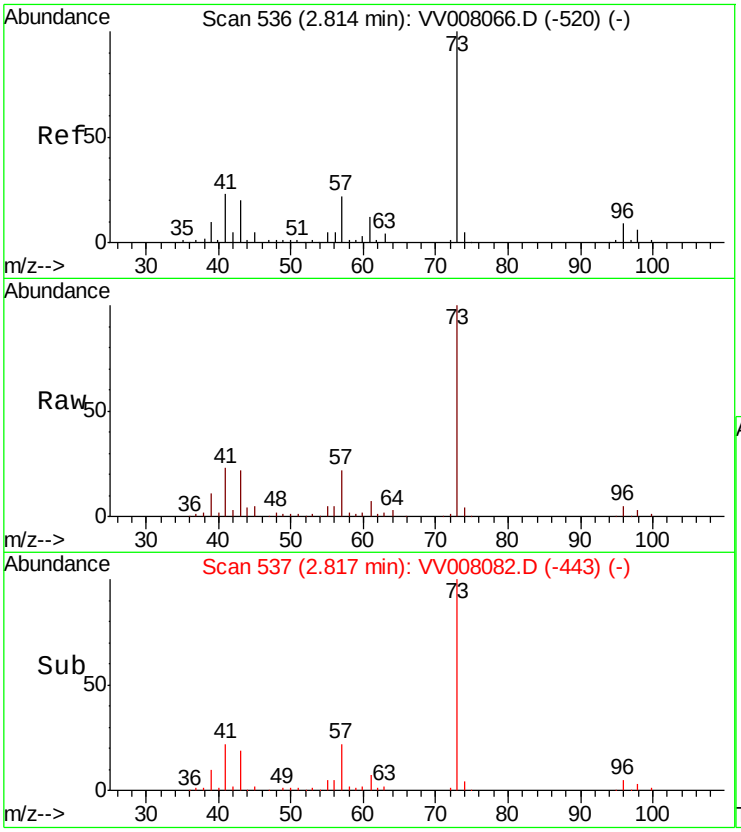


#12
1,1-Dichloroethene
Concen: 0.621 ug/L
RT: 2.14 min Scan# 327
Delta R.T. -0.00 min
Lab File: VV008082.D
Acq: 05 Oct 2018 00:41

Tgt Ion: 96 Resp: 3372

Ion	Ratio	Lower	Upper
96	100		
61	196.5	114.1	211.9
63	533.7	81.5	151.3#



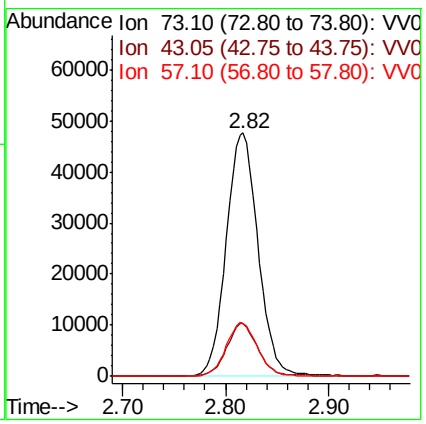


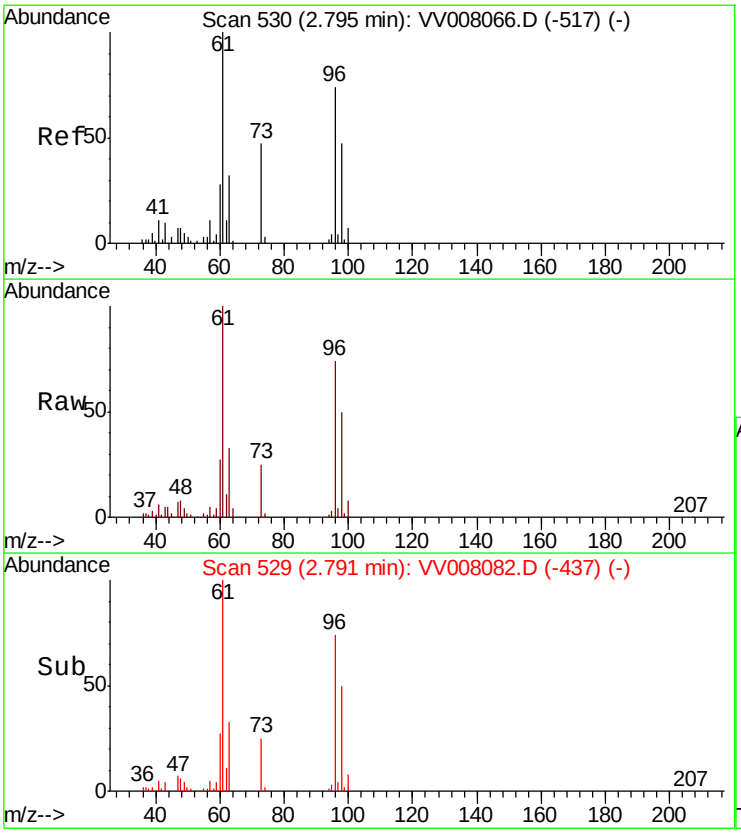
#17
Methyl tert-butyl Ether
Concen: 7.649 ug/L
RT: 2.82 min Scan# 537
Delta R.T. 0.00 min
Lab File: VV008082.D
Acq: 05 Oct 2018 00:41

Instrument : MSVOA_V
ClientSampleId : C0J84

Tgt Ion: 73 Resp: 102550

Ion	Ratio	Lower	Upper
73	100		
43	20.5	16.8	25.2
57	21.9	17.6	26.4

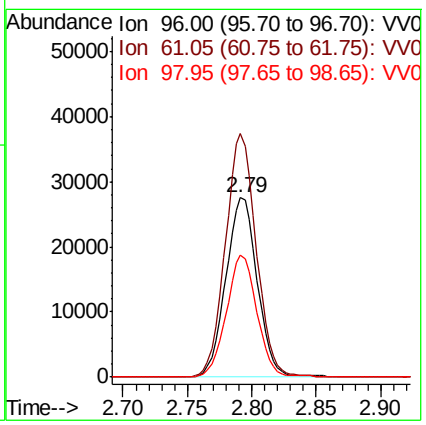


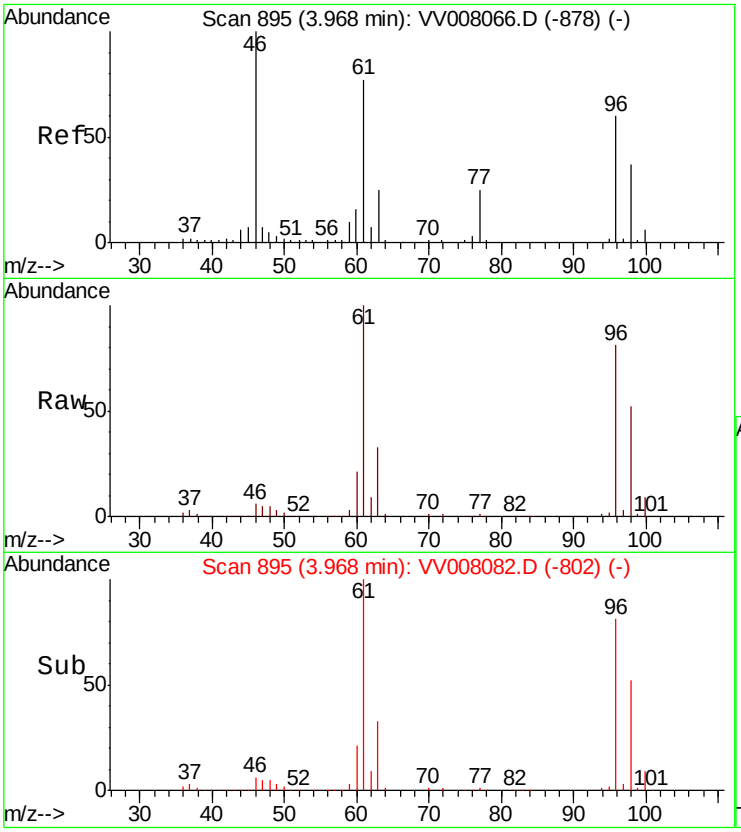


#18
trans-1,2-Dichloroethene
Concen: 7.768 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV008082.D
Acq: 05 Oct 2018 00:41

Tgt Ion: 96 Resp: 46470

Ion	Ratio	Lower	Upper
96	100		
61	135.8	94.2	175.0
98	67.8	44.9	83.5



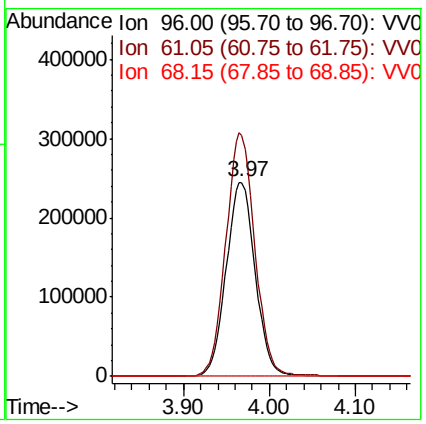


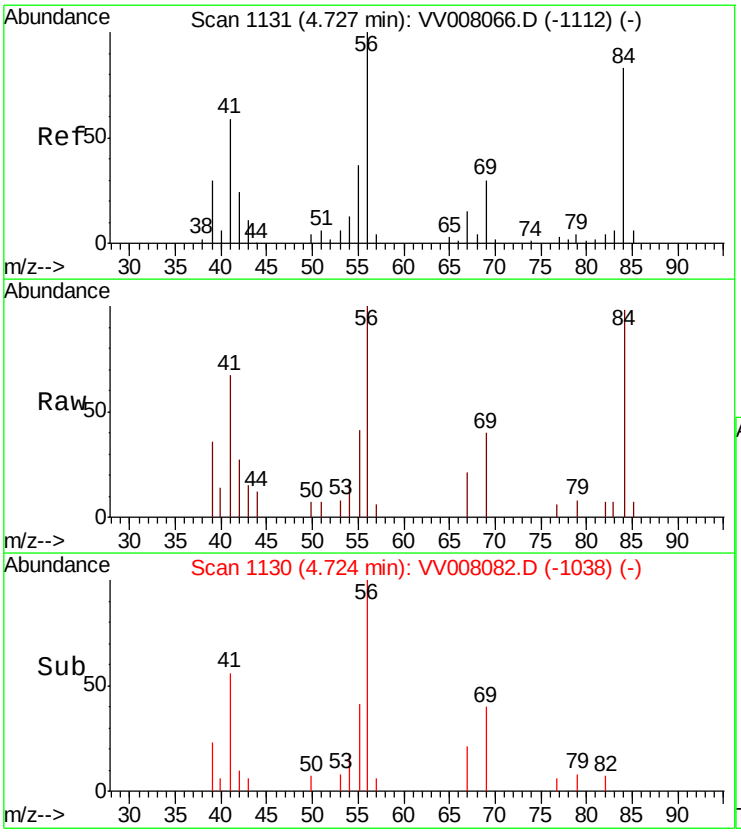
#22
cis-1,2-Dichloroethene
Concen: 94.812 ug/L
RT: 3.97 min Scan# 895
Delta R.T. 0.00 min
Lab File: VV008082.D
Acq: 05 Oct 2018 00:41

Instrument :
MSVOA_V
ClientSampleId :
C0J84

Tgt Ion: 96 Resp: 574270

Ion	Ratio	Lower	Upper
96	100		
61	123.9	89.5	166.1
68	0.0	0.0	0.0

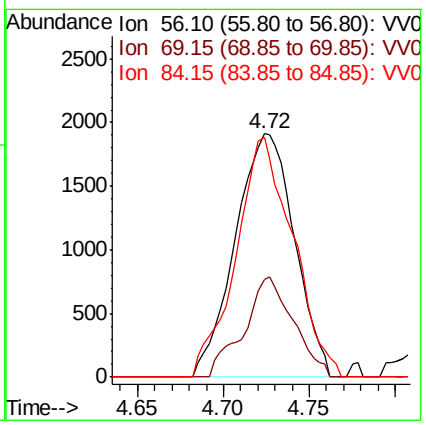


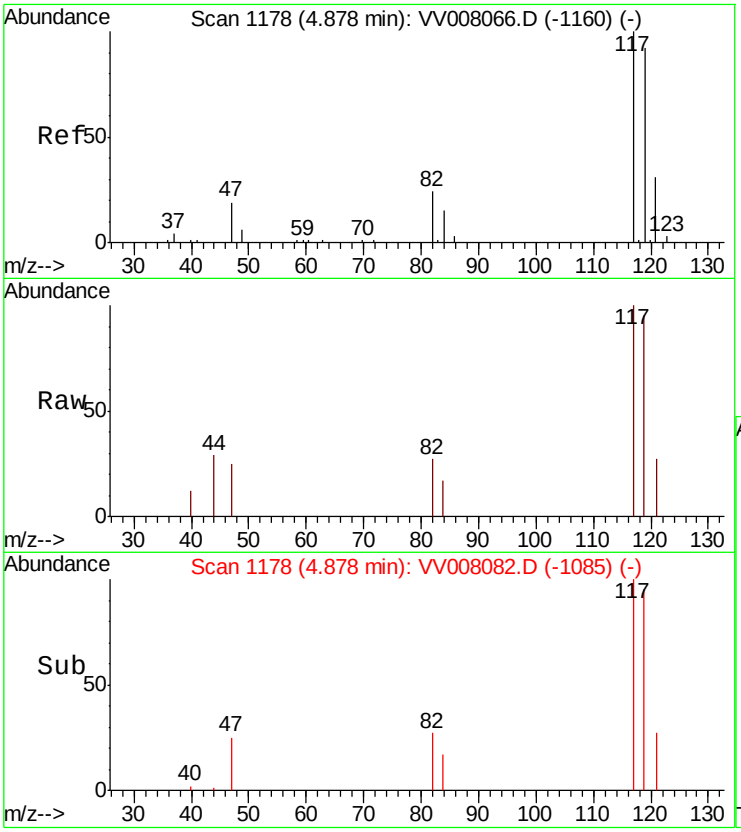


#30
Cyclohexane
Concen: 0.512 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV008082.D
Acq: 05 Oct 2018 00:41

Tgt Ion: 56 Resp: 4581

Ion	Ratio	Lower	Upper
56	100		
69	34.3	24.2	36.4
84	94.5	69.8	104.8



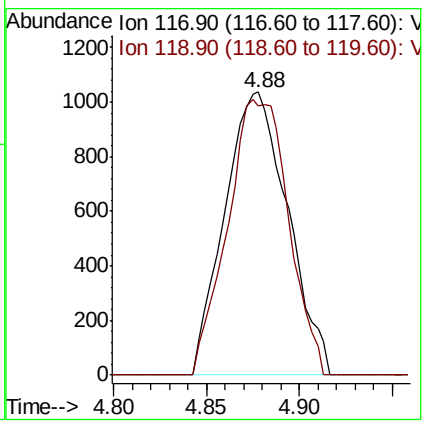


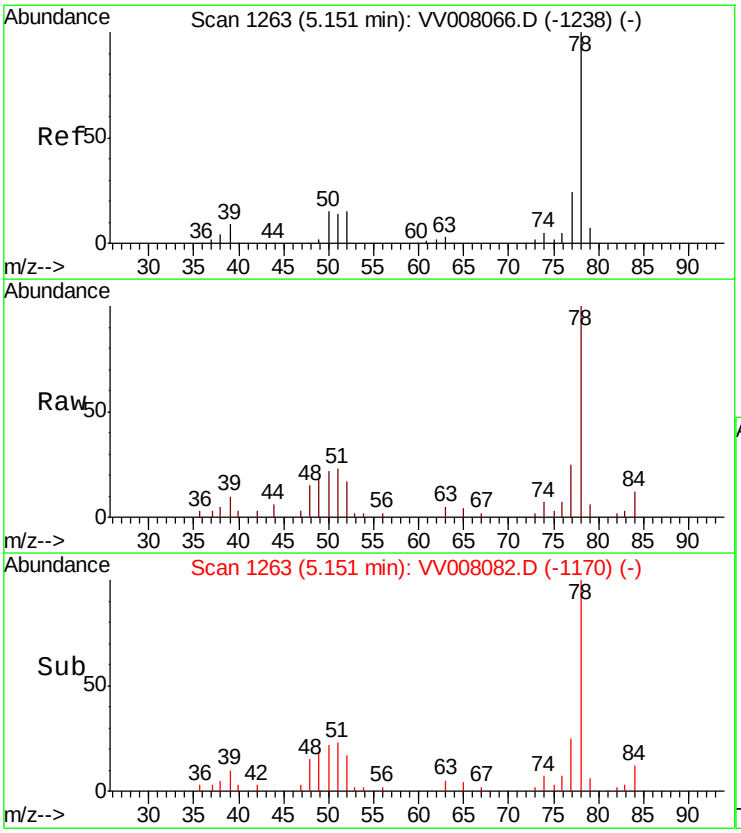
#31
Carbon tetrachloride
Concen: 0.292 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VV008082.D
Acq: 05 Oct 2018 00:41

Instrument :
MSVOA_V
ClientSampleId :
C0J84

Tgt Ion:117 Resp: 2450

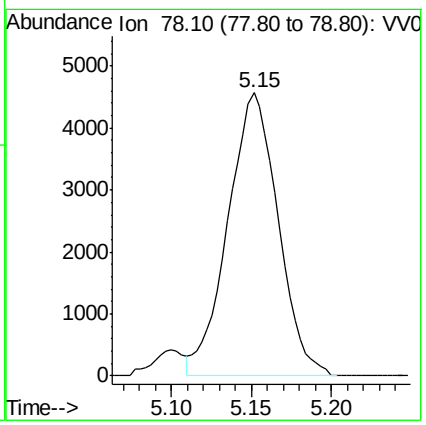
Ion	Ratio	Lower	Upper
117	100		
119	93.8	77.8	116.8

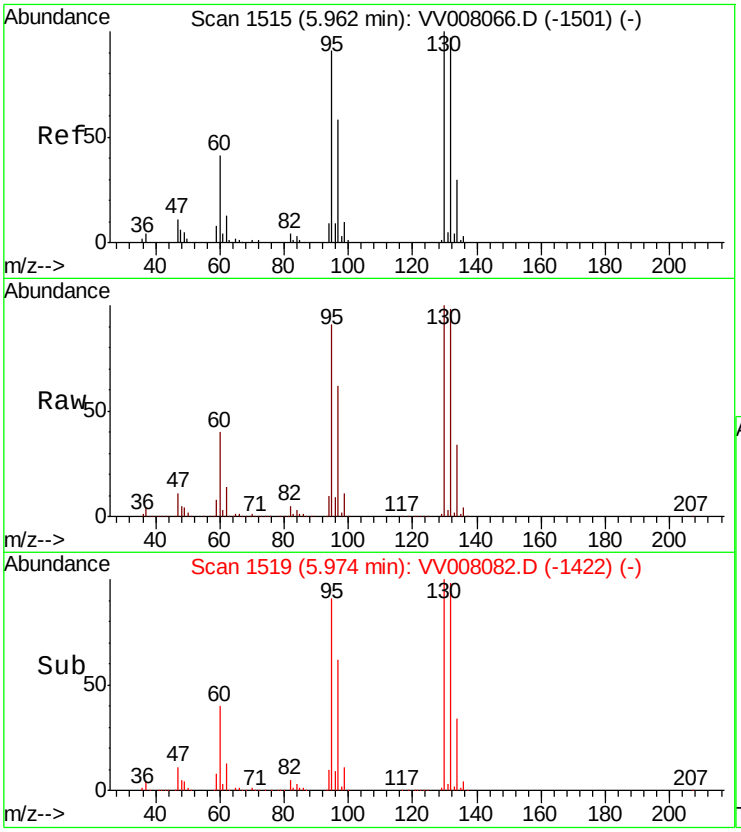




#33
Benzene
Concen: 0.432 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV008082.D
Acq: 05 Oct 2018 00:41

Tgt Ion: 78 Resp: 9792



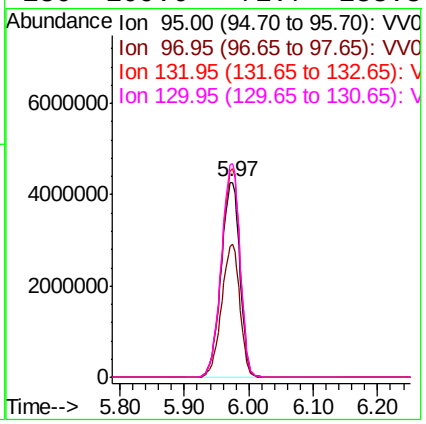


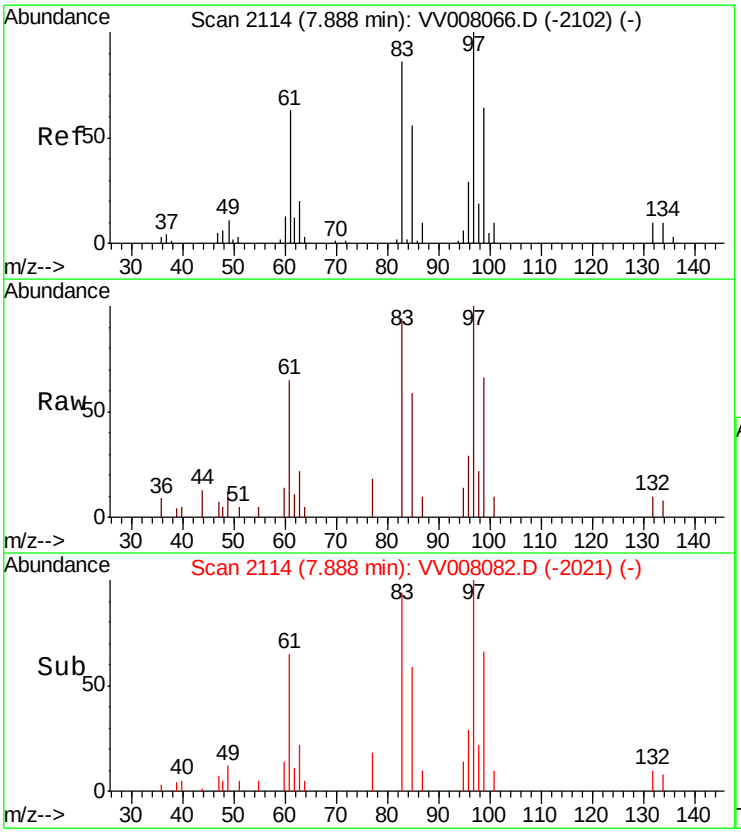
#34
Trichloroethene
Concen: 1325.915 ug/L
RT: 5.97 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VV008082.D
Acq: 05 Oct 2018 00:41

Instrument :
MSVOA_V
ClientSampleId :
C0J84

Tgt Ion: 95 Resp: 8600992

Ion	Ratio	Lower	Upper
95	100		
97	68.0	43.6	81.0
132	107.1	69.9	129.9
130	109.6	71.7	133.3

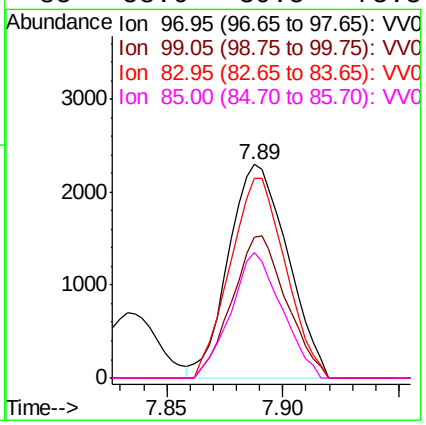


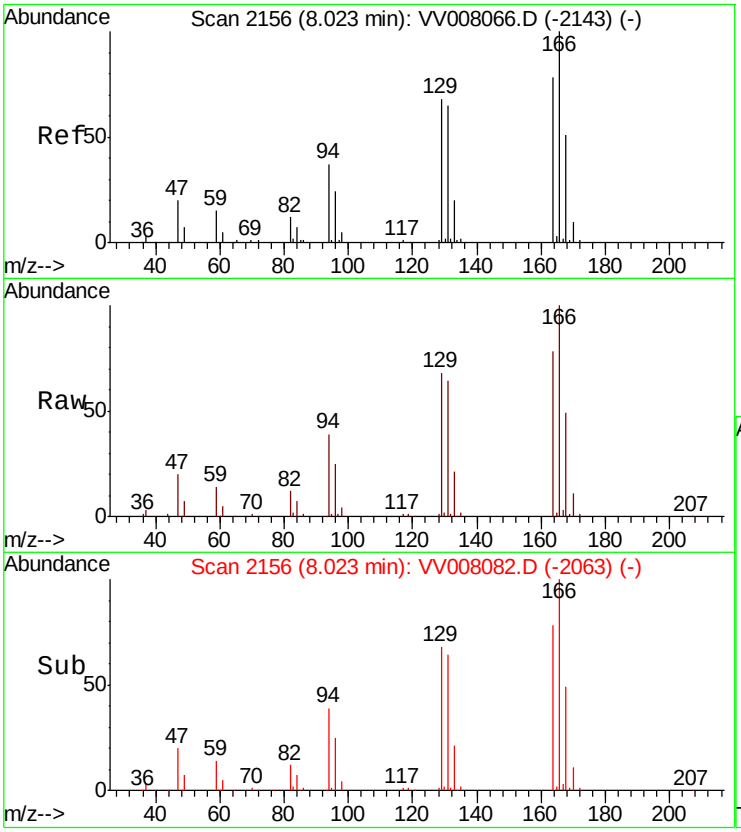


#45
1,1,2-Trichloroethane
Concen: 0.975 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VV008082.D
Acq: 05 Oct 2018 00:41

Tgt Ion: 97 Resp: 4073

Ion	Ratio	Lower	Upper
97	100		
99	65.7	43.5	80.9
83	93.7	59.7	110.9
85	58.6	39.5	73.3



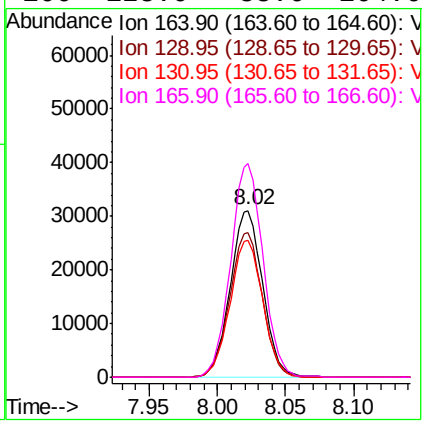


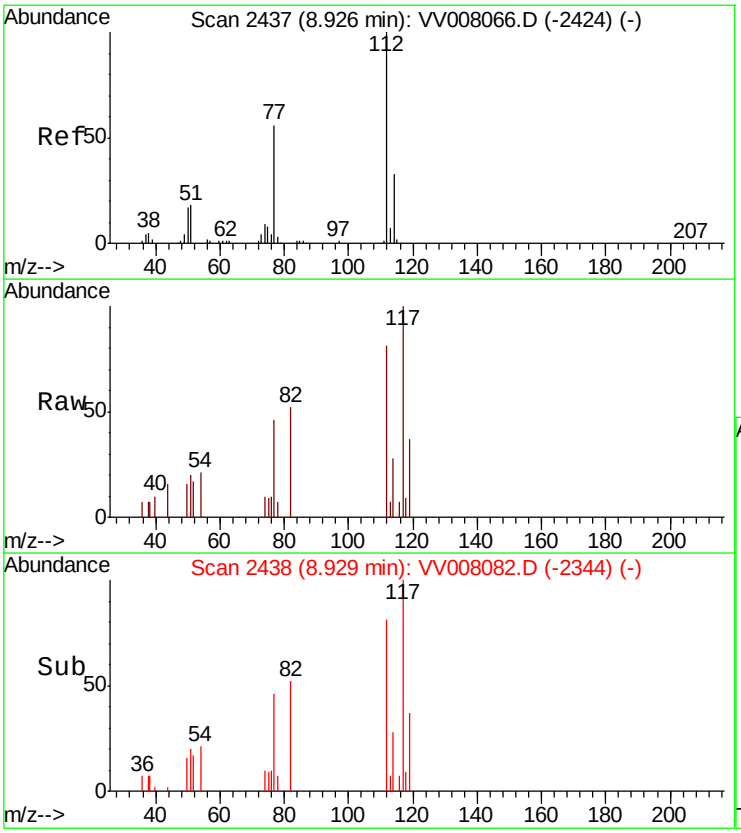
#47
Tetrachloroethene
Concen: 8.540 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VV008082.D
Acq: 05 Oct 2018 00:41

Instrument :
MSVOA_V
ClientSampleId :
C0J84

Tgt Ion:164 Resp: 51333

Ion	Ratio	Lower	Upper
164	100		
129	86.6	59.2	110.0
131	81.9	57.1	106.1
166	128.0	88.6	164.6

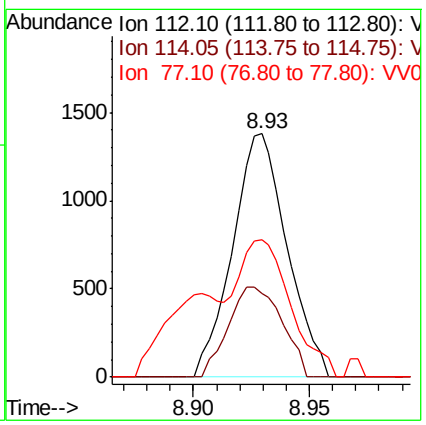


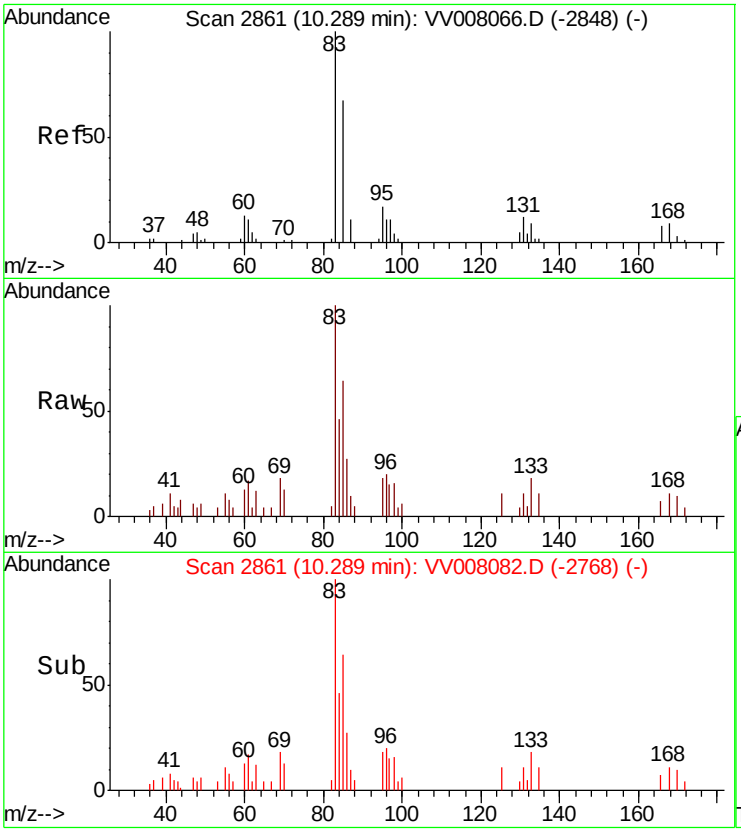


#51
Chlorobenzene
Concen: 0.132 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008082.D
Acq: 05 Oct 2018 00:41

Tgt Ion:112 Resp: 2248

Ion	Ratio	Lower	Upper
112	100		
114	34.3	22.4	41.6
77	65.7	45.0	67.6



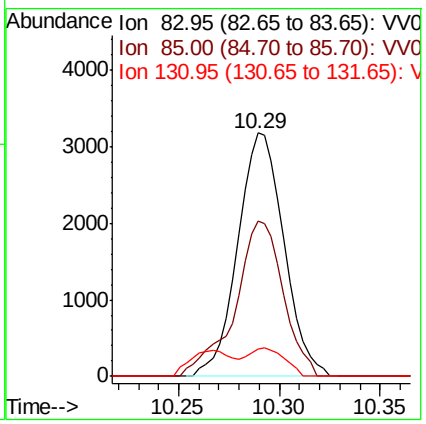


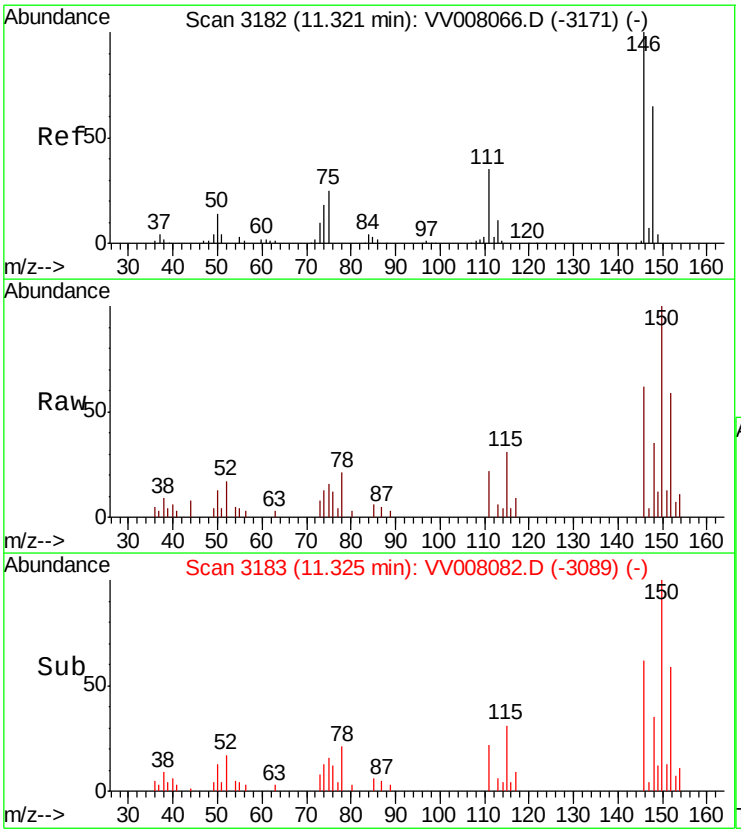
#58
1,1,2,2-Tetrachloroethane
Concen: 1.037 ug/L
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VV008082.D
Acq: 05 Oct 2018 00:41

Instrument : MSVOA_V
ClientSampleId : C0J84

Tgt Ion: 83 Resp: 5087

Ion	Ratio	Lower	Upper
83	100		
85	63.6	43.7	81.1
131	11.3	9.0	13.4

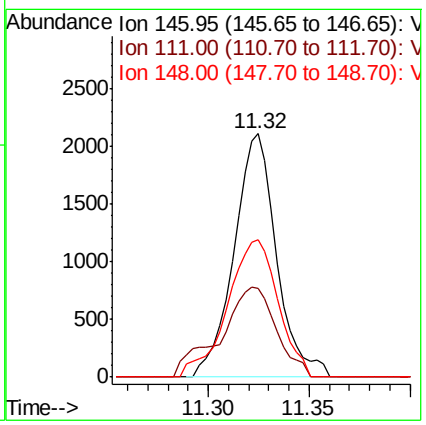


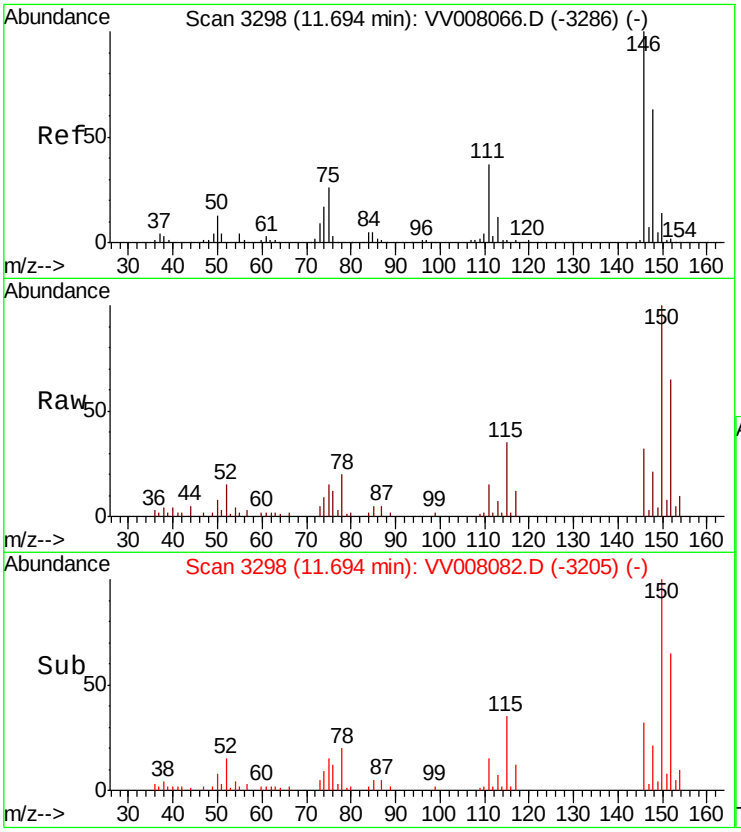


#63
1,4-Dichlorobenzene
Concen: 0.230 ug/L
RT: 11.32 min Scan# 3183
Delta R.T. 0.00 min
Lab File: VV008082.D
Acq: 05 Oct 2018 00:41

Tgt Ion:146 Resp: 3124

Ion	Ratio	Lower	Upper
146	100		
111	36.4	25.3	47.1
148	56.4	44.7	82.9





#65
1,2-Dichlorobenzene
Concen: 0.362 ug/L
RT: 11.69 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VV008082.D
Acq: 05 Oct 2018 00:41

Instrument :
MSVOA_V
ClientSampleId :
C0J84

Tgt Ion:146 Resp: 4460

Ion	Ratio	Lower	Upper
146	100		
111	45.6	31.2	46.8
148	65.8	50.3	75.5