

Data File : VV010898.D
Acq On : 15 May 2019 13:28
Operator : SY/MD
Sample : K2788-11
Misc : 5.98G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51A0

Manual Integrations
APPROVED

MMDadoda
5/20/2019 1:04:19 AM

Quant Time: May 16 08:01:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis
QLast Update : Thu May 16 07:25:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	122826	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	129483	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	57383	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34922	22.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.28%
7) Chloroethane-d5	1.57	69	26662	26.14	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.56%
10) 1,1-Dichloroethene-d2	2.13	63	53699	18.13	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.52%
20) 2-Butanone-d5	3.93	46	35575	72.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	144.52%#
24) Chloroform-d	4.40	84	82333	23.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.88%
26) 1,2-Dichloroethane-d4	5.08	65	51497	25.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.16%
29) Benzene-d6	5.10	84	160788	22.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.72%
33) 1,2-Dichloropropane-d6	6.12	67	54575	23.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.48%
37) Toluene-d8	7.36	98	147002	21.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.36%
38) trans-1,3-Dichloropropene-	7.66	79	21512	21.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.28%
39) 2-Hexanone-d5	8.13	63	29473	68.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	136.04%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	60765	28.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.60%
61) 1,2-Dichlorobenzene-d4	11.67	152	59807	24.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.80%

Target Compounds

					Qvalue
12) 1,1-Dichloroethene	2.14	96	2236	1.580 ug/L #	1
13) Acetone	2.19	43	6444	12.850 ug/L	92
19) 1,1-Dichloroethane	3.23	63	5143	1.576 ug/L #	94
22) cis-1,2-Dichloroethene	3.97	96	1859m	0.942 ug/L	
31) 1,1,1-Trichloroethane	4.66	97	244136	86.811 ug/L	98
35) Trichloroethene	5.96	95	3194	1.633 ug/L	94
47) Tetrachloroethene	8.02	164	9153	6.333 ug/L	97

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

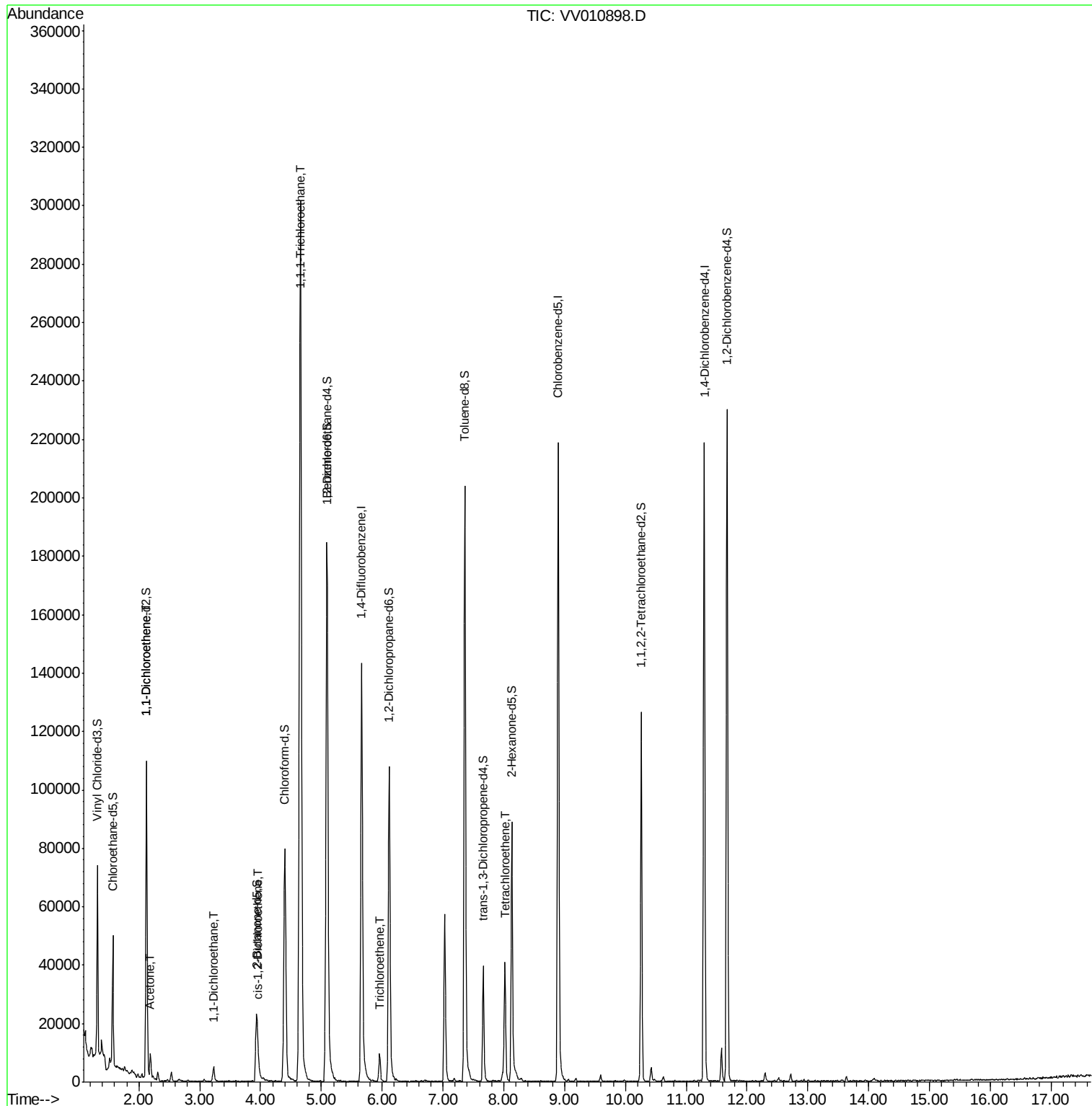
Data File : VV010898.D
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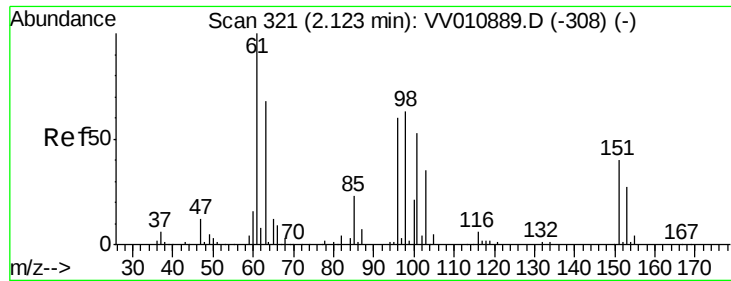
Instrument :
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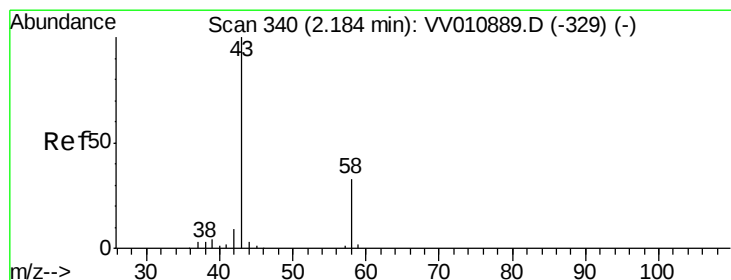
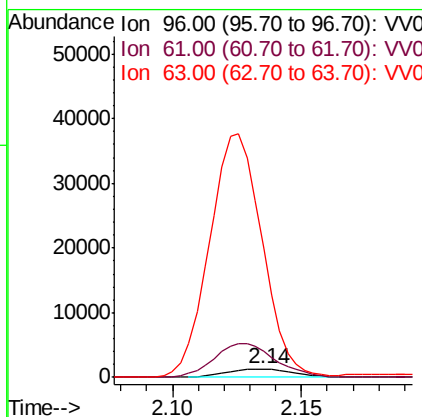
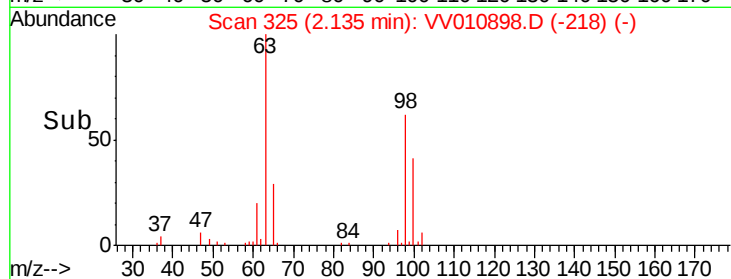
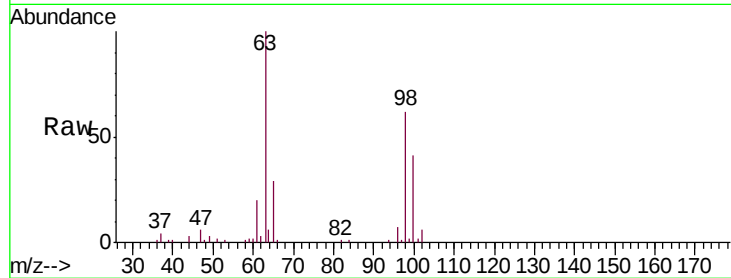
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 1,1-Dichloroethene
 Concen: 1.580 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. 0.01 min
 Lab File: VV010898.D
 Acq: 15 May 2019 13:28

Instrument :
 MSVOA_V
 ClientSampleId :
 A51A0

Tgt Ion: 96 Resp: 2236
 Ion Ratio Lower Upper
 96 100
 61 304.5 117.5 218.3#
 63 1523.8 82.8 153.8

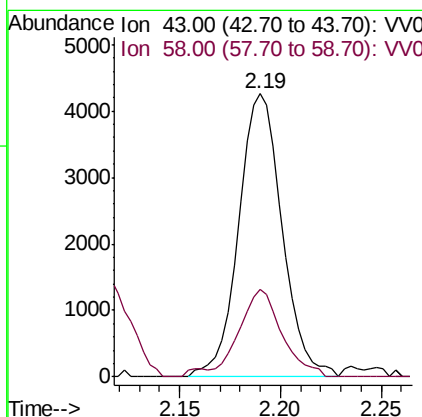
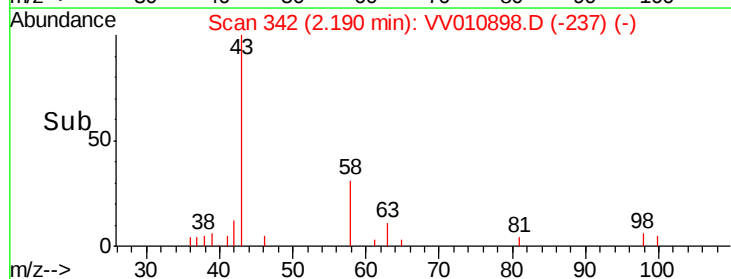
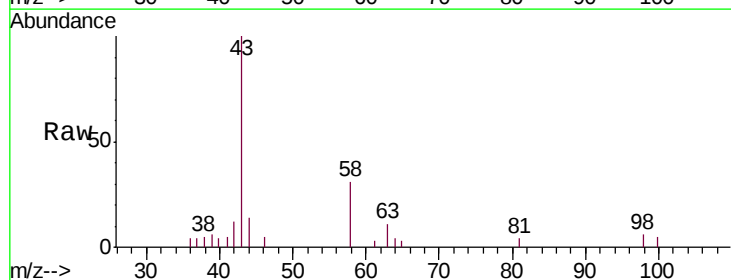
Manual Integrations
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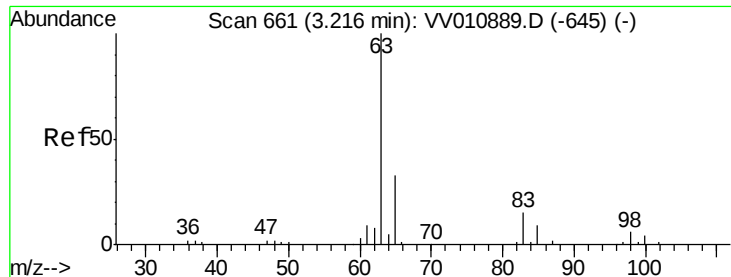
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#13
 Acetone
 Concen: 12.850 ug/L
 RT: 2.19 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VV010898.D
 Acq: 15 May 2019 13:28

Tgt Ion: 43 Resp: 6444
 Ion Ratio Lower Upper
 43 100
 58 30.2 0.0 69.2





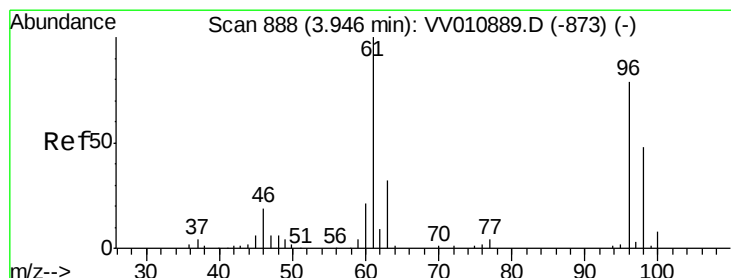
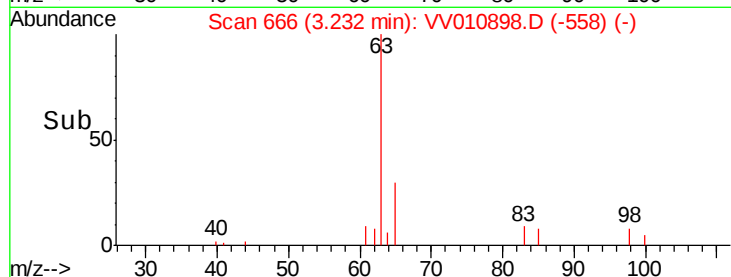
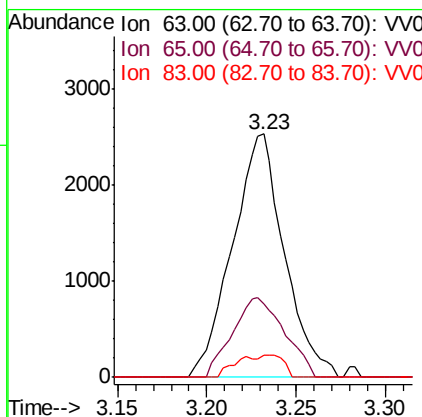
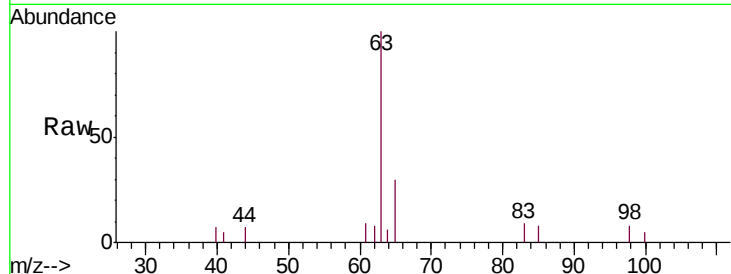
#19
 1,1-Dichloroethane
 Concen: 1.576 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.02 min
 Lab File: VV010898.D
 Acq: 15 May 2019 13:28

Instrument :
 MSVOA_V
 ClientSampleId :
 A51A0

Tgt Ion	Ratio	Lower	Upper
63	100		
65	29.9	22.1	41.1
83	9.0	9.7	17.9

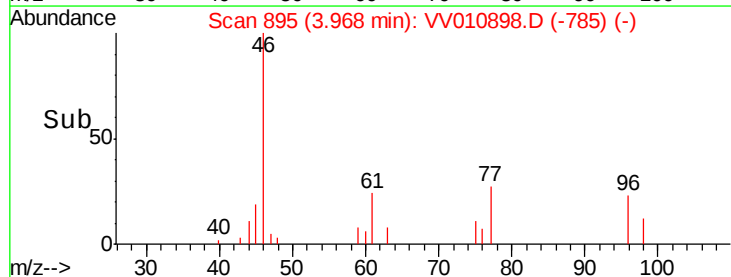
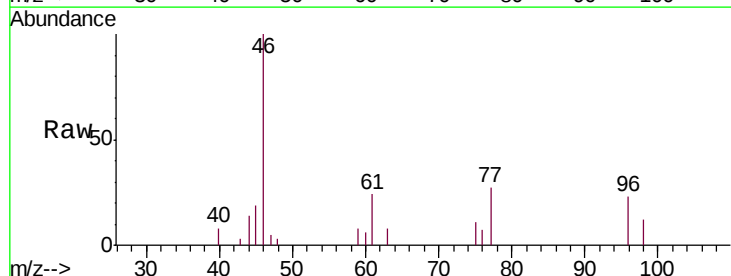
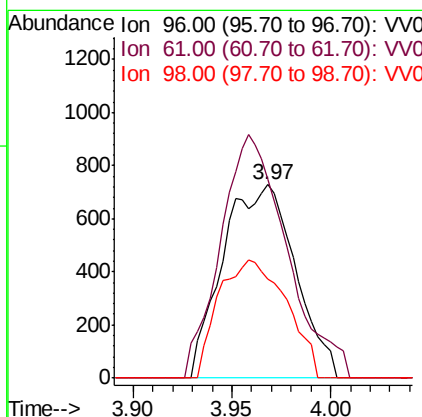
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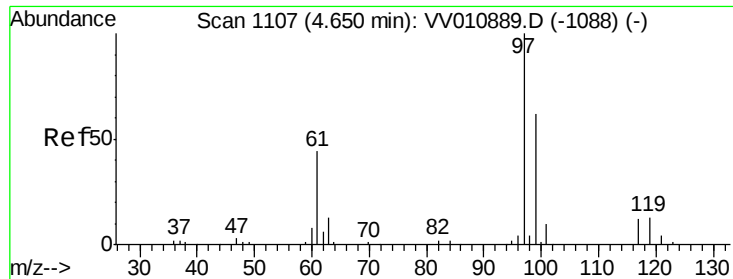
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#22
 cis-1,2-Dichloroethene
 Concen: 0.942 ug/L m
 RT: 3.97 min Scan# 895
 Delta R.T. 0.02 min
 Lab File: VV010898.D
 Acq: 15 May 2019 13:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	102.6	90.2	167.6
98	51.1	44.2	82.0





#31

1,1,1-Trichloroethane

Concen: 86.811 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VV010898.D

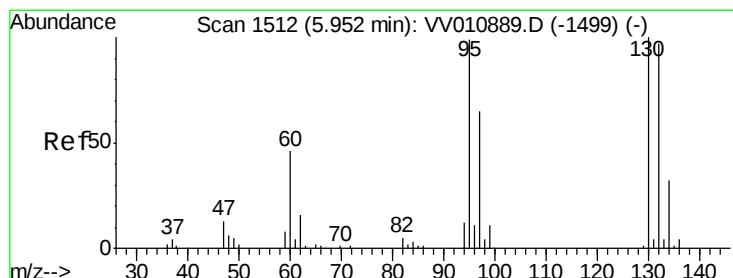
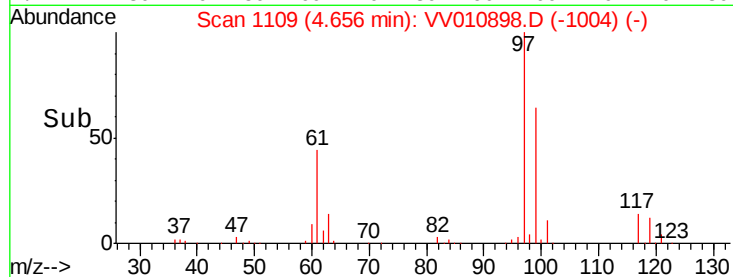
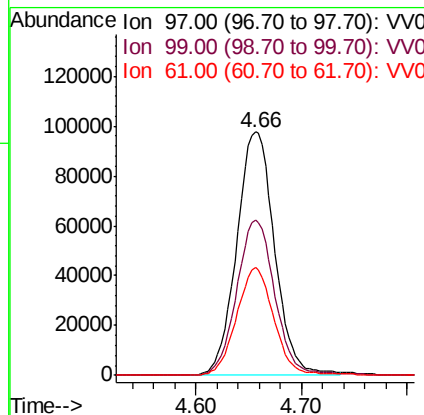
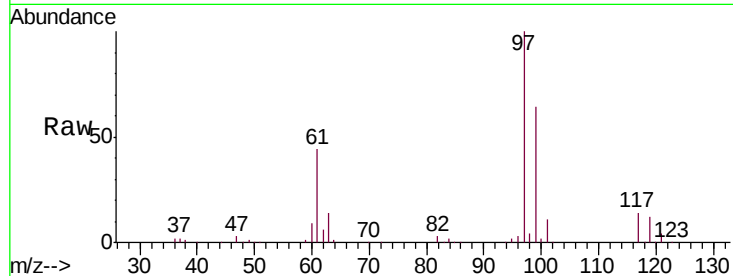
Acq: 15 May 2019 13:28

Instrument :
MSVOA_V
ClientSampled :
A51A0

Tgt Ion:	97	Resp:	244136
Ion	Ratio	Lower	Upper
97	100		
99	64.1	49.4	74.2
61	43.4	34.6	51.8

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#35

Trichloroethene

Concen: 1.633 ug/L

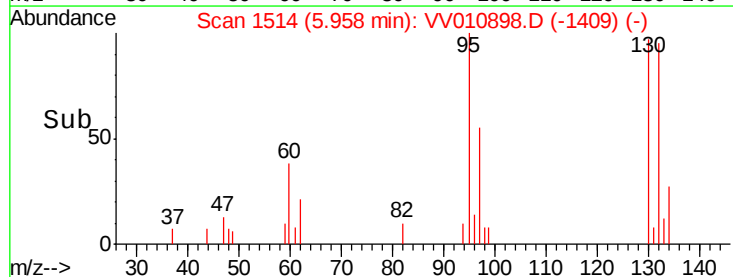
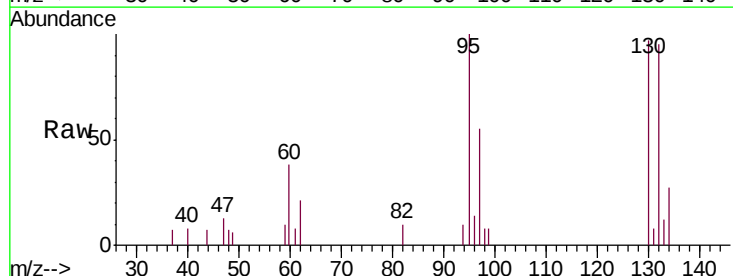
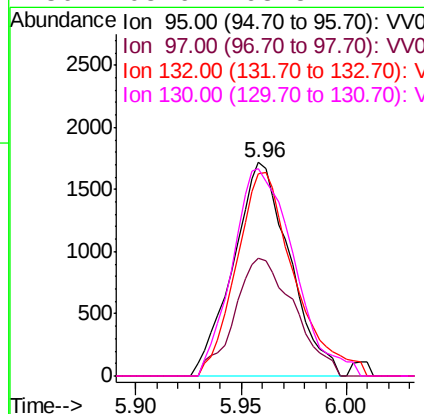
RT: 5.96 min Scan# 1514

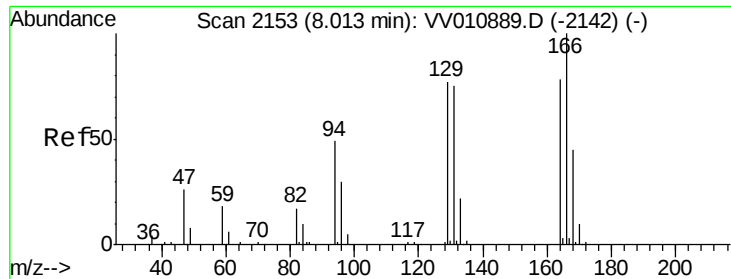
Delta R.T. 0.01 min

Lab File: VV010898.D

Acq: 15 May 2019 13:28

Tgt Ion:	95	Resp:	3194
Ion	Ratio	Lower	Upper
95	100		
97	58.2	46.0	85.4
132	98.1	67.4	125.2
130	105.6	68.5	127.1





#47
Tetrachloroethene
Concen: 6.333 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
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Tgt Ion:	164	Resp:	9153
Ion Ratio	Lower	Upper	
164	100		
129	95.5	67.6	125.6
131	95.5	65.1	120.9
166	125.8	84.8	157.6

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