

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022120\
 Data File : VV014672.D
 Acq On : 21 Feb 2020 23:05
 Operator : SY/MD
 Sample : L1607-17DL 40X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 24 04:38:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM022120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 24 04:25:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	230858	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	215339	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	102498	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34359	38.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.22%
7) Chloroethane-d5	1.59	69	27686	42.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.74%
11) 1,1-Dichloroethene-d2	2.13	63	56728	33.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.50%
21) 2-Butanone-d5	3.95	46	76553	91.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.34%
24) Chloroform-d	4.40	84	131847	44.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.34%
26) 1,2-Dichloroethane-d4	5.08	65	88740	47.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.04%
32) Benzene-d6	5.10	84	259783	45.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.16%
36) 1,2-Dichloropropane-d6	6.11	67	79098	47.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.20%
41) Toluene-d8	7.36	98	243386	44.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.68%
43) trans-1,3-Dichloropropene-	7.66	79	40631	43.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.28%
47) 2-Hexanone-d5	8.13	63	60346	90.60	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.60%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	107821	46.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.64%
64) 1,2-Dichlorobenzene-d4	11.67	152	95656	47.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

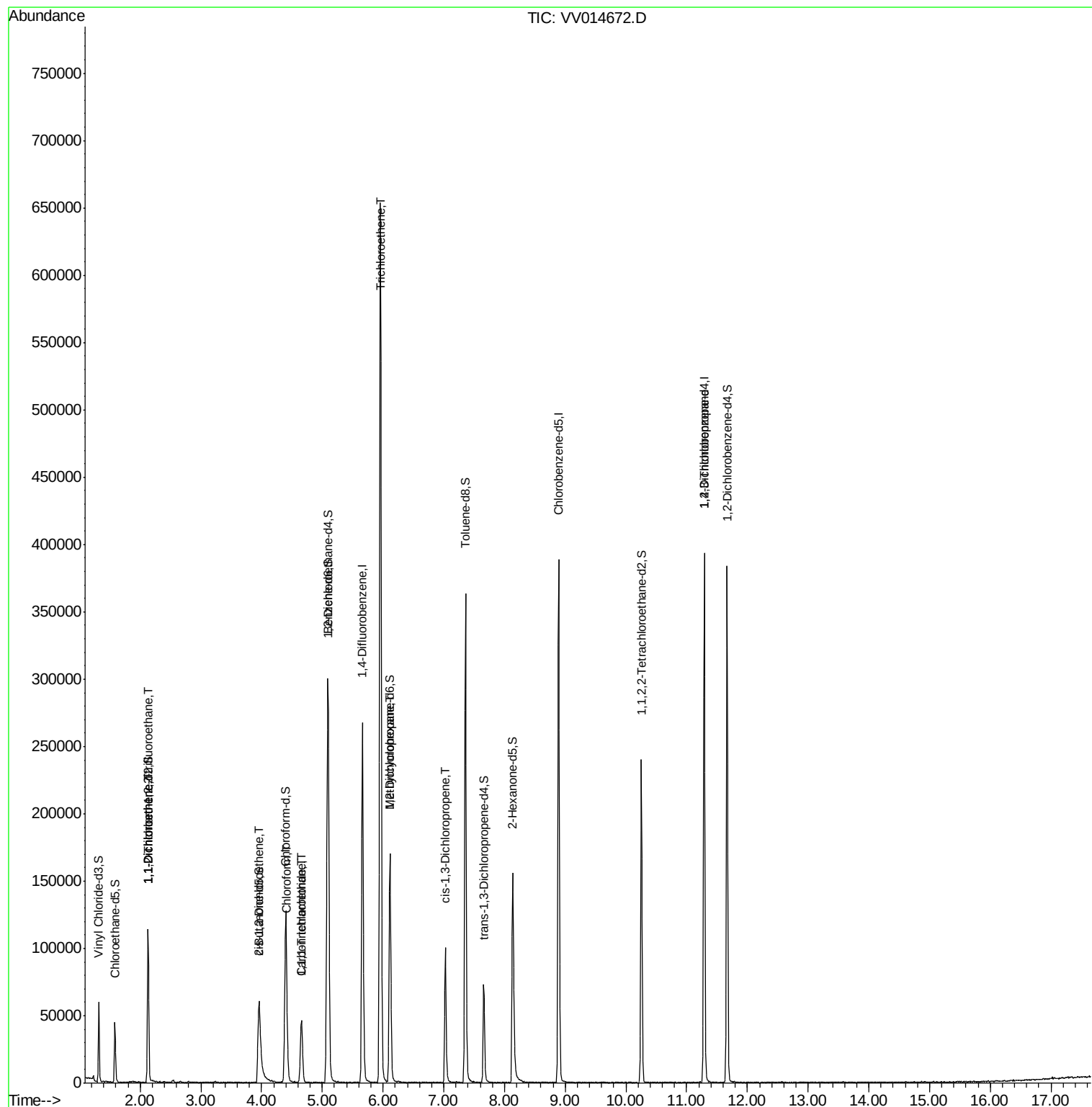
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1005	1.285	ug/L #	36
12) 1,1-Dichloroethene	2.14	96	2459	3.494	ug/L #	1
20) cis-1,2-Dichloroethene	3.96	96	14632	9.231	ug/L	89
25) Chloroform	4.42	83	4705	1.644	ug/L	97
30) 1,1,1-Trichloroethane	4.66	97	37133	14.828	ug/L	98
31) Carbon tetrachloride	4.66	117	2706	1.221	ug/L	82
34) Trichloroethene	5.96	95	227982	141.025	ug/L	98
35) Methylcyclohexane	6.11	83	20319	8.805	ug/L #	21
39) cis-1,3-Dichloropropene	7.03	75	2539	1.047	ug/L #	72
59) 1,2,3-Trichloropropane	11.29	75	11276	6.136	ug/L #	85

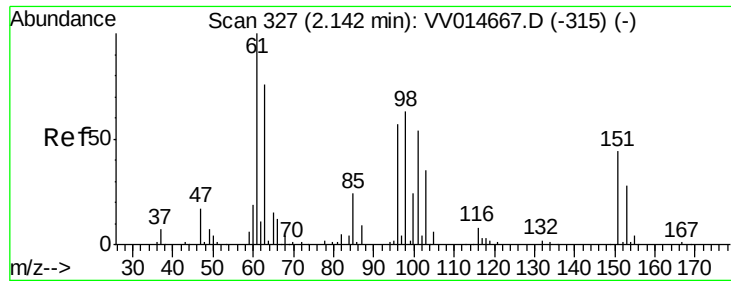
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 24 04:25:56 2020
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.285 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV014672.D

Acq: 21 Feb 2020 23:05

Instrument :

MSVOA_V

ClientSampleId :

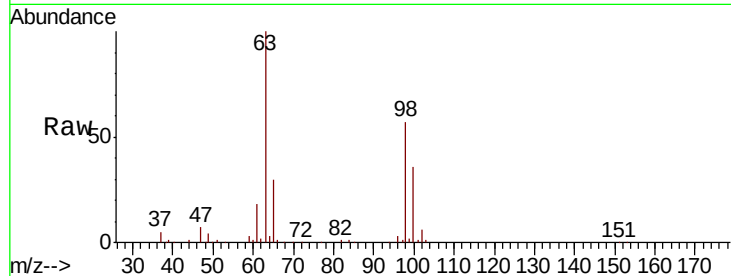
Tot Ion:101 Resp: 1005

Ion Ratio Lower Upper

101 100

85 10.8 37.3 55.9#

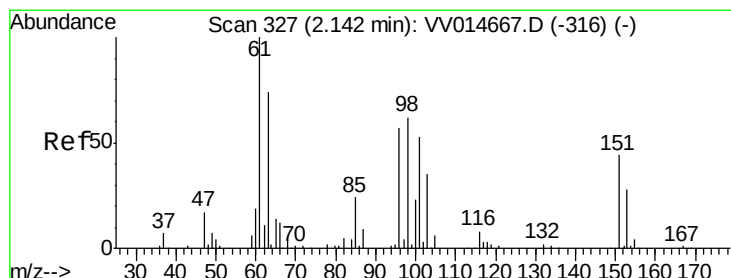
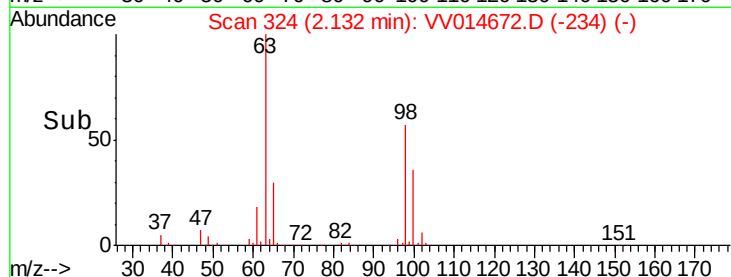
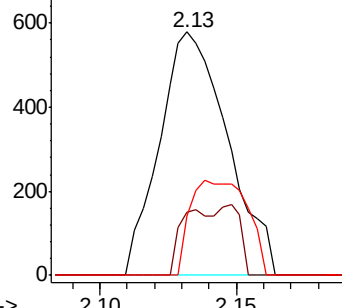
151 19.3 64.6 96.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 3.494 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014672.D

Acq: 21 Feb 2020 23:05

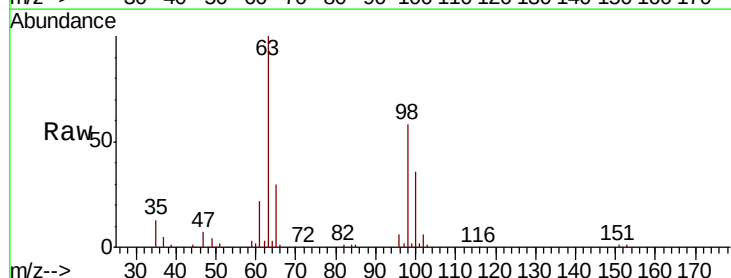
Tgt Ion: 96 Resp: 2459

Ion Ratio Lower Upper

96 100

61 374.8 124.5 231.1#

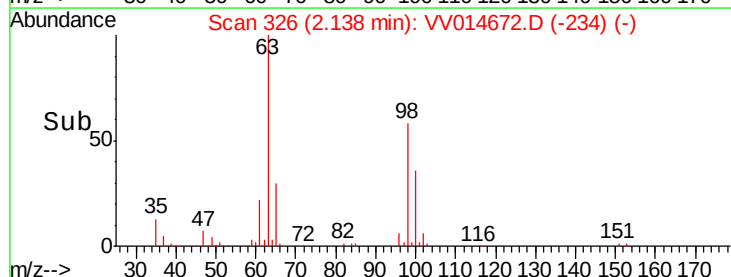
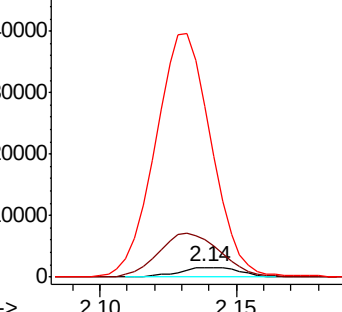
63 1735.4 98.1 182.1#

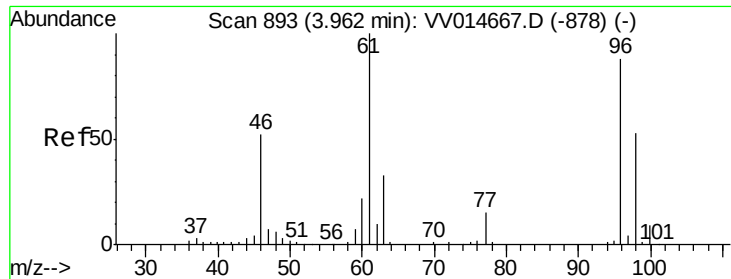


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

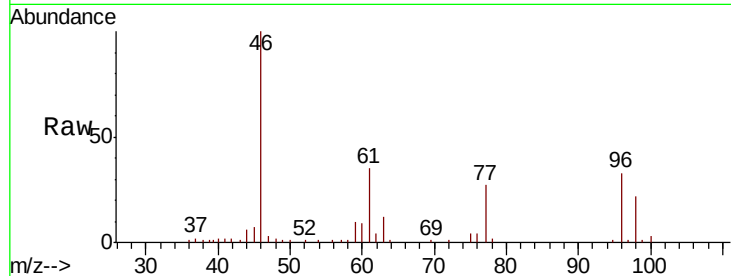




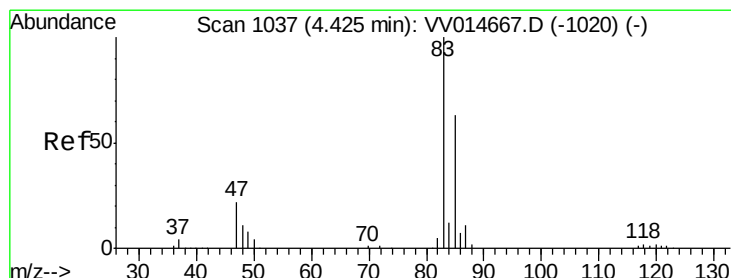
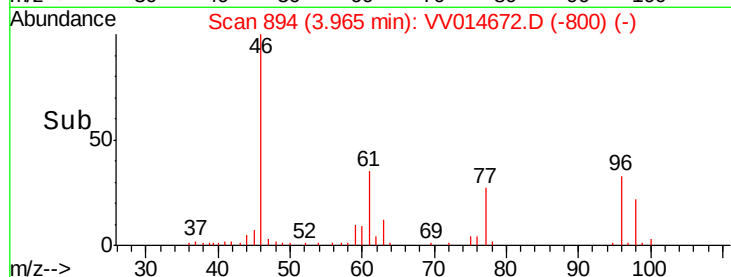
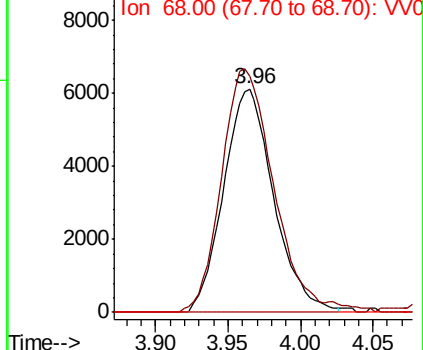
#20
 cis-1,2-Dichloroethene
 Concen: 9.231 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV014672.D
 Acq: 21 Feb 2020 23:05

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 14632
 Ion Ratio Lower Upper
 96 100
 61 105.8 82.4 153.0
 68 0.0 0.0 0.0

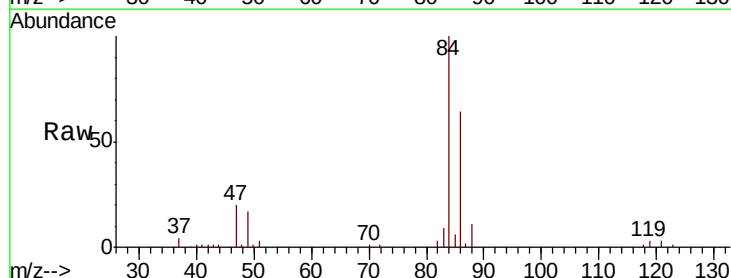


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0

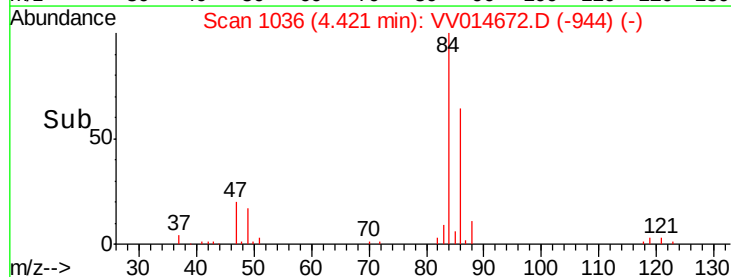
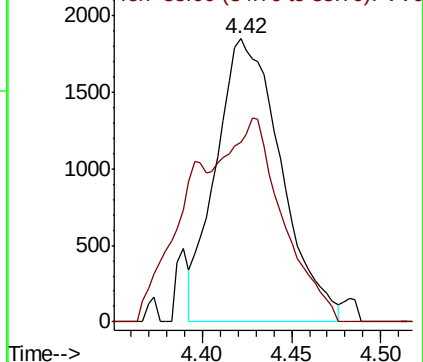


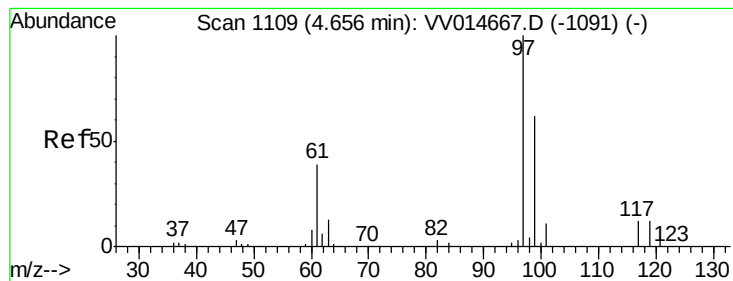
#25
 Chloroform
 Concen: 1.644 ug/L
 RT: 4.42 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VV014672.D
 Acq: 21 Feb 2020 23:05

Tgt Ion: 83 Resp: 4705
 Ion Ratio Lower Upper
 83 100
 85 63.6 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#30

1,1,1-Trichloroethane

Concen: 14.828 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

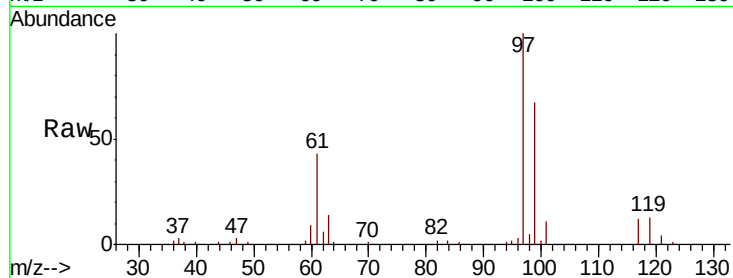
Lab File: VV014672.D

Acq: 21 Feb 2020 23:05

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 37133

Ion	Ratio	Lower	Upper
97	100		
99	66.6	52.0	78.0
61	41.0	31.4	47.0

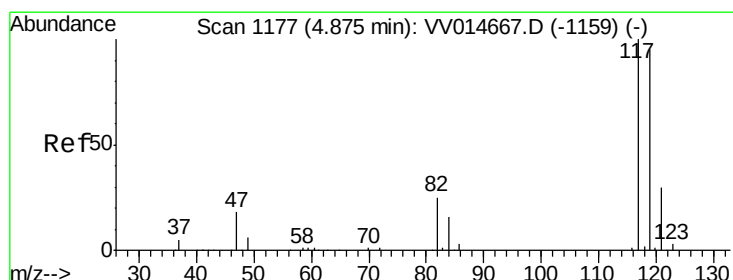
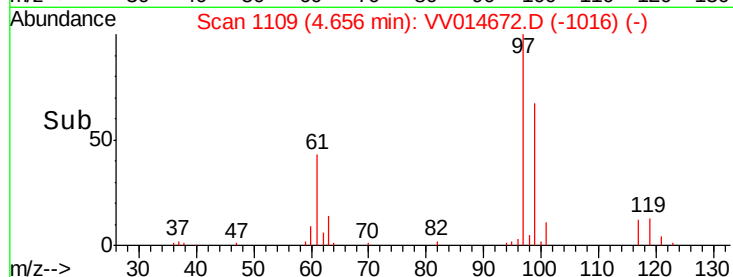
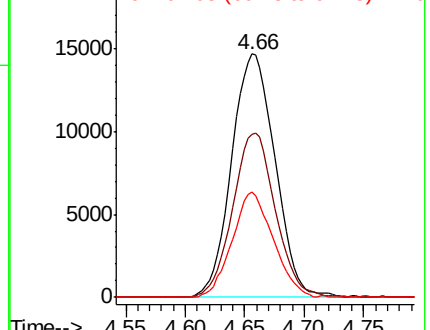


Abundance

Ion 97.00 (96.70 to 97.70): VV014667.D (-1091) (-)

Ion 99.00 (98.70 to 99.70): VV014667.D (-1091) (-)

Ion 61.05 (60.75 to 61.75): VV014667.D (-1091) (-)



#31

Carbon tetrachloride

Concen: 1.221 ug/L

RT: 4.66 min Scan# 1109

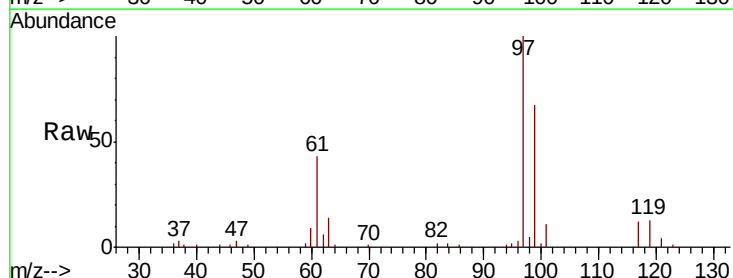
Delta R.T. -0.22 min

Lab File: VV014672.D

Acq: 21 Feb 2020 23:05

Tgt Ion: 117 Resp: 2706

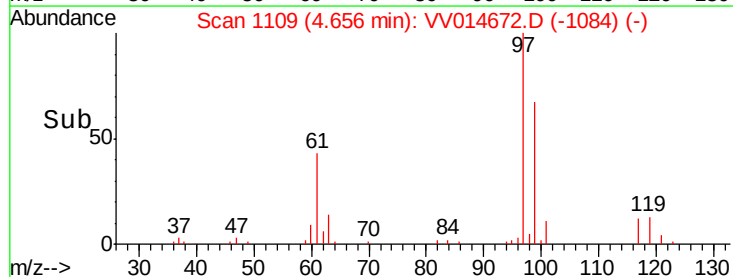
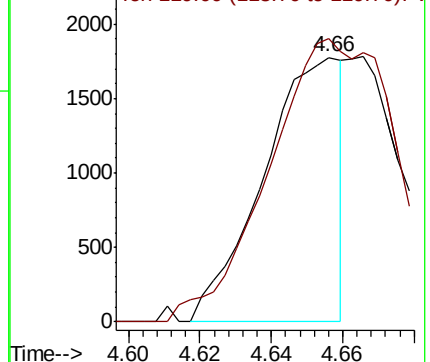
Ion	Ratio	Lower	Upper
117	100		
119	113.5	76.9	115.3

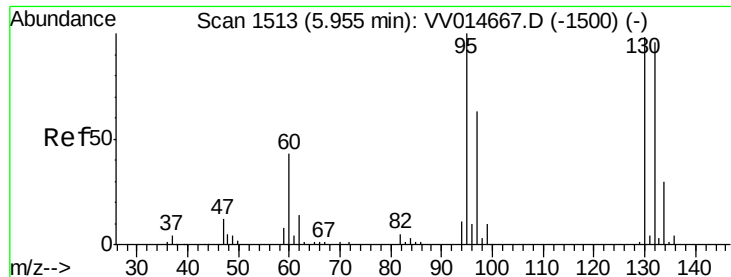


Abundance

Ion 117.00 (116.70 to 117.70): VV014667.D (-1159) (-)

Ion 119.00 (118.70 to 119.70): VV014667.D (-1159) (-)

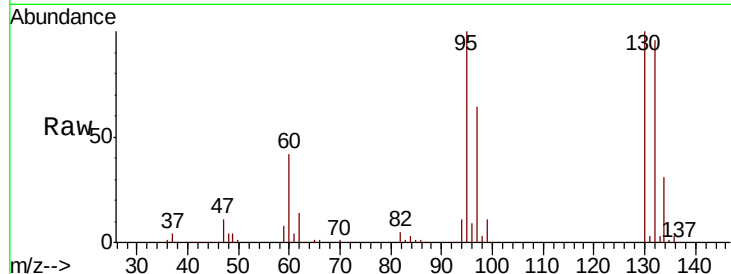




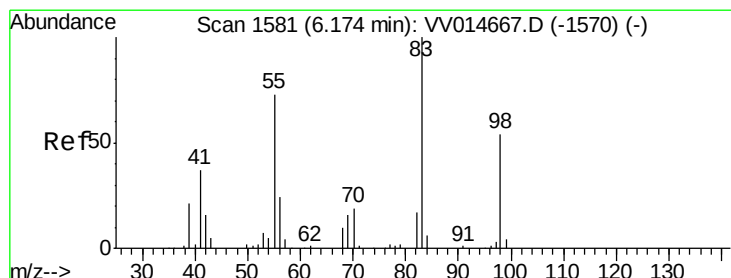
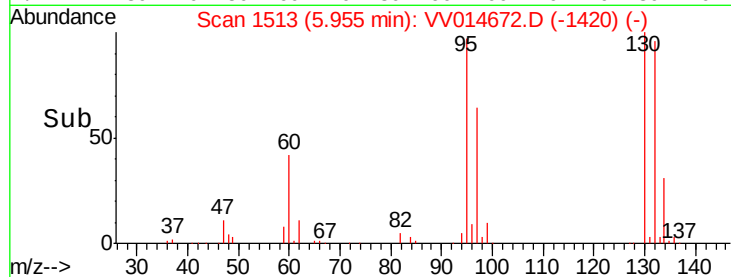
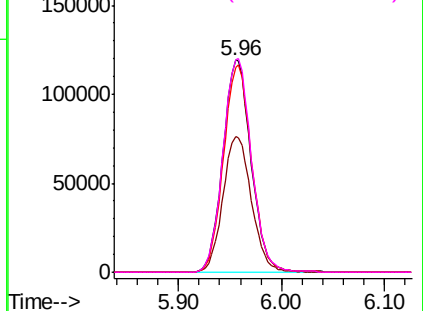
#34
 Trichloroethene
 Concen: 141.025 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV014672.D
 Acq: 21 Feb 2020 23:05

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	95	Resp:	227982
Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.3	82.3
132	96.5	69.7	129.4
130	100.3	71.3	132.5

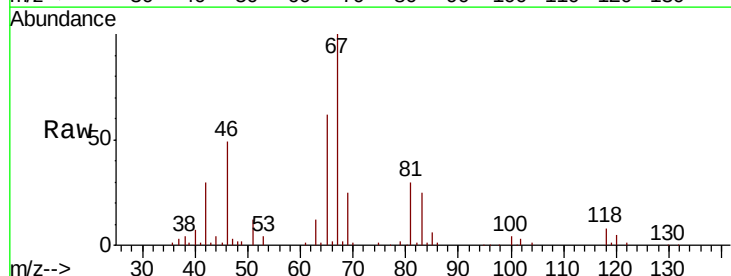


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

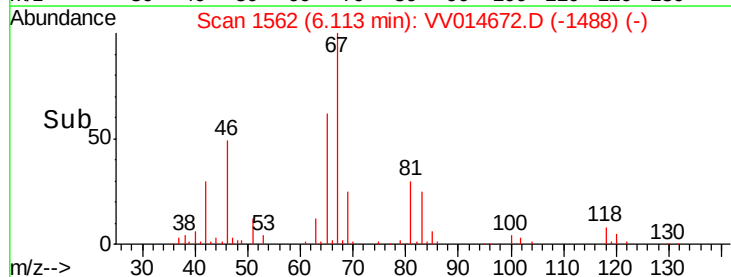
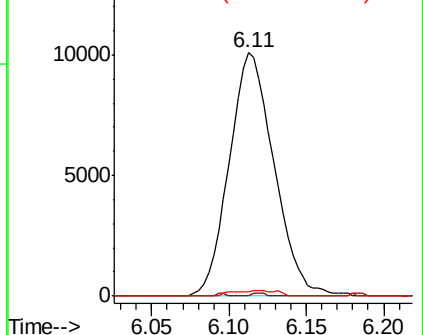


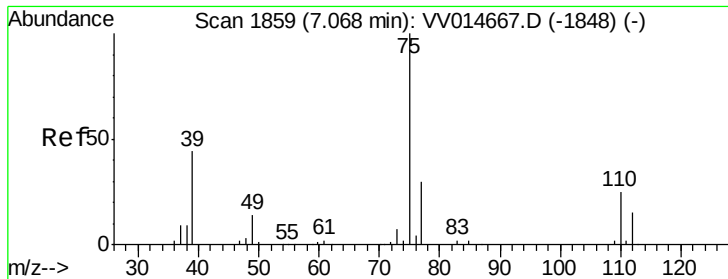
#35
 Methylcyclohexane
 Concen: 8.805 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.06 min
 Lab File: VV014672.D
 Acq: 21 Feb 2020 23:05

Tgt Ion:	83	Resp:	20319
Ion	Ratio	Lower	Upper
83	100		
55	0.3	56.1	84.1#
98	1.1	40.4	60.6#



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

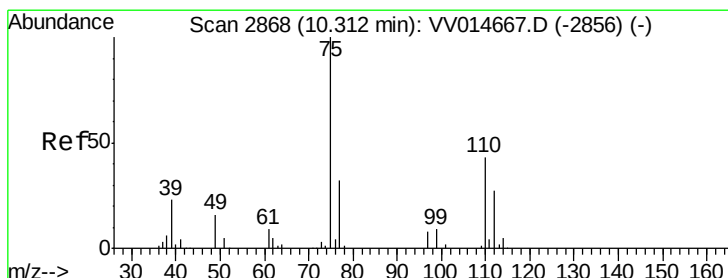
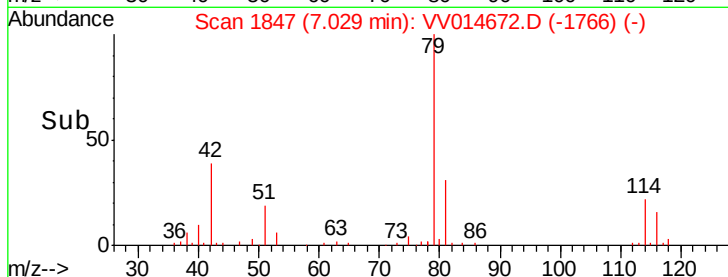
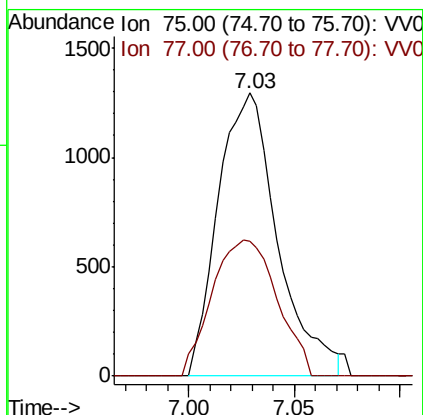
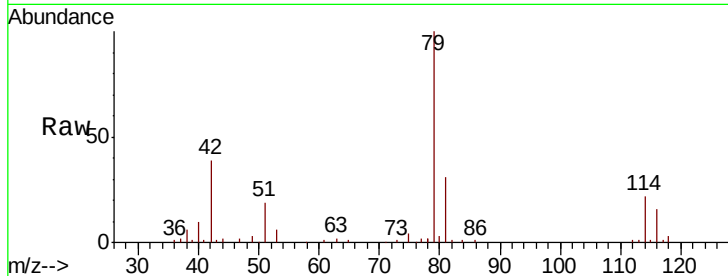




#39
 cis-1,3-Dichloropropene
 Concen: 1.047 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV014672.D
 Acq: 21 Feb 2020 23:05

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 75 Resp: 2539
 Ion Ratio Lower Upper
 75 100
 77 47.8 22.4 41.6#



#59
 1,2,3-Trichloropropane
 Concen: 6.136 ug/L
 RT: 11.29 min Scan# 3171
 Delta R.T. 0.97 min
 Lab File: VV014672.D
 Acq: 21 Feb 2020 23:05

Tgt Ion: 75 Resp: 11276
 Ion Ratio Lower Upper
 75 100
 77 40.4 25.7 38.5#

