

Data File : VV009741.D
Acq On : 16 Mar 2019 20:29
Operator : SY/MD
Sample : K1949-09
Misc : 6.10G/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0Z0

Quant Time: Mar 18 07:46:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031719WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 18 07:41:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	223439	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	216787	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	92961	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70612	46.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.74%
7) Chloroethane-d5	1.55	69	34594	31.13	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	62.26%#
11) 1,1-Dichloroethene-d2	2.09	63	120609	37.59	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.18%
21) 2-Butanone-d5	3.95	46	91336	101.78	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.78%
24) Chloroform-d	4.40	84	131362	47.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.92%
26) 1,2-Dichloroethane-d4	5.08	65	84944	50.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.14%
32) Benzene-d6	5.09	84	285320	50.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.74%
36) 1,2-Dichloropropane-d6	6.12	67	86373	50.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.16%
41) Toluene-d8	7.36	98	269509	49.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.88%
43) trans-1,3-Dichloropropene-	7.67	79	39855	48.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.74%
47) 2-Hexanone-d5	8.15	63	75567	107.65	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.65%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	126286	48.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.54%
64) 1,2-Dichlorobenzene-d4	11.68	152	98565	52.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

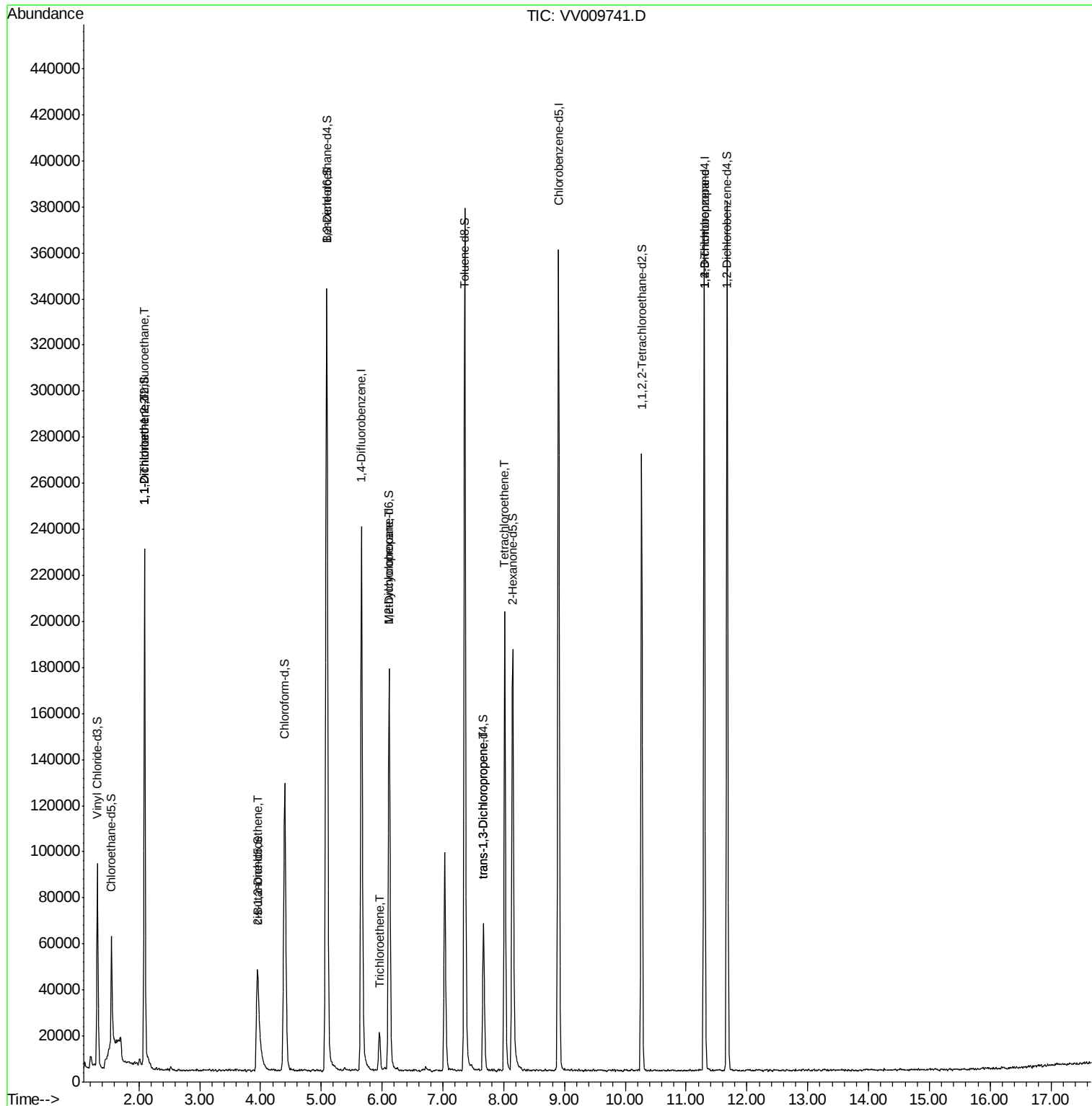
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.09	101	1131	0.736 ug/L #	19
12) 1,1-Dichloroethene	2.09	96	1009	0.757 ug/L #	1
20) cis-1,2-Dichloroethene	3.95	96	1373	0.841 ug/L	83
34) Trichloroethene	5.96	95	5574	3.614 ug/L	95
35) Methylcyclohexane	6.12	83	20211	7.963 ug/L #	22
44) trans-1,3-Dichloropropene	7.67	75	2052	0.940 ug/L #	80
46) Tetrachloroethene	8.02	164	44212	34.341 ug/L	97
59) 1,2,3-Trichloropropane	11.30	75	11887	5.987 ug/L	90

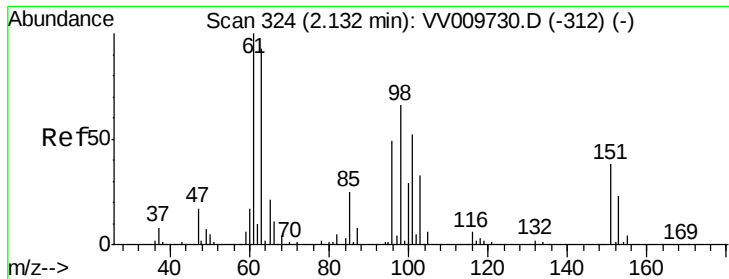
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.736 ug/L

RT: 2.09 min Scan# 311

Delta R.T. -0.04 min

Lab File: VV009741.D

Acq: 16 Mar 2019 20:29

Instrument :

MSVOA_V

ClientSampleId :

BF0Z0

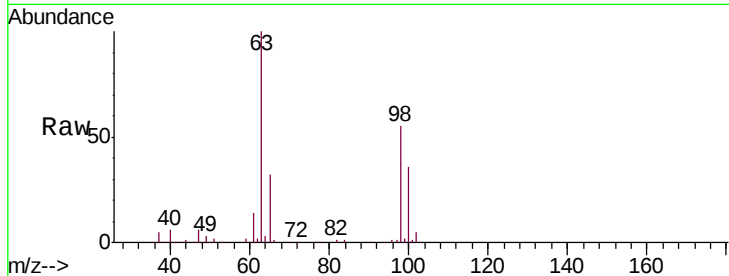
Tgt Ion: 101 Resp: 1131

Ion Ratio Lower Upper

101 100

85 0.0 38.5 57.7#

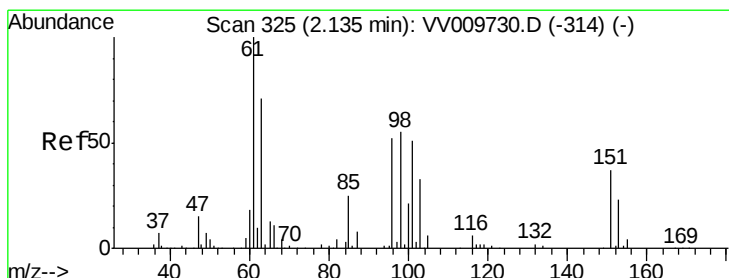
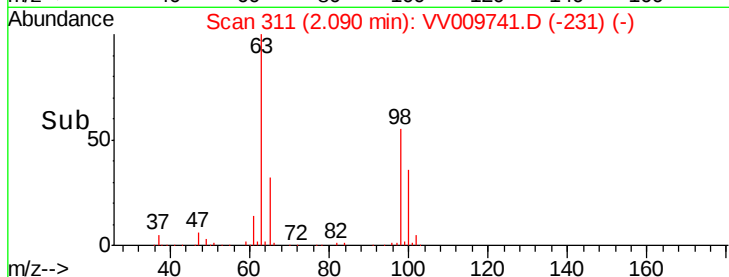
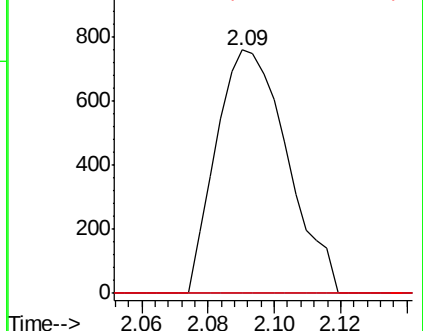
151 0.0 58.9 88.3#



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: 0.757 ug/L

RT: 2.09 min Scan# 312

Delta R.T. -0.04 min

Lab File: VV009741.D

Acq: 16 Mar 2019 20:29

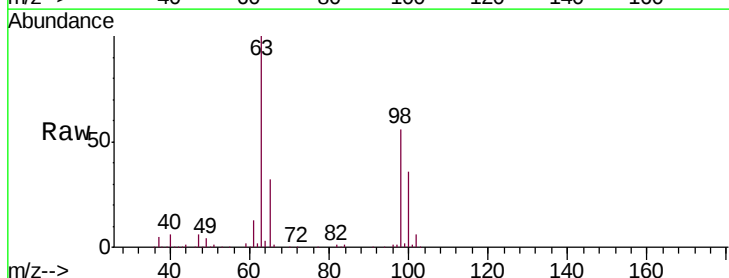
Tgt Ion: 96 Resp: 1009

Ion Ratio Lower Upper

96 100

61 1509.5 135.5 251.7#

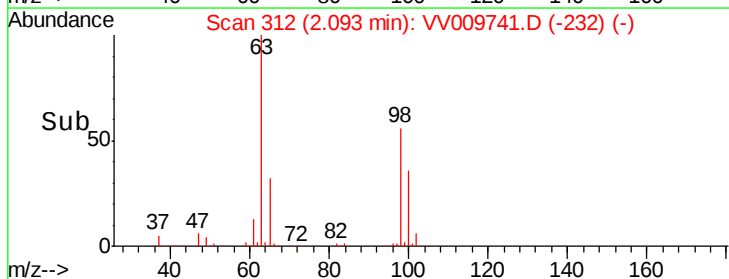
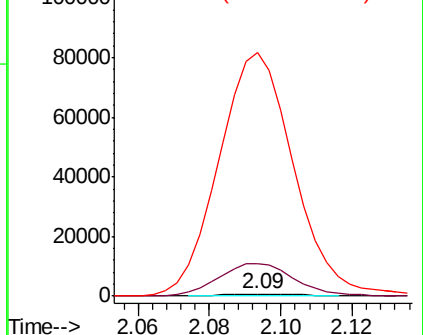
63 11222.0 100.2 186.2#

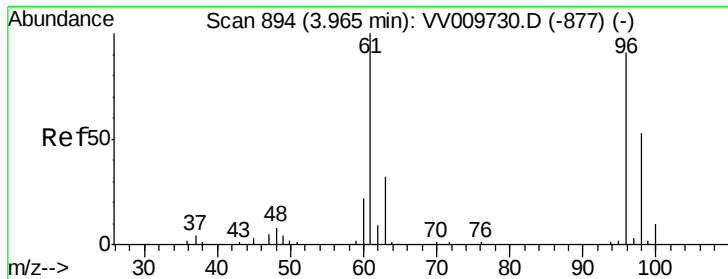


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

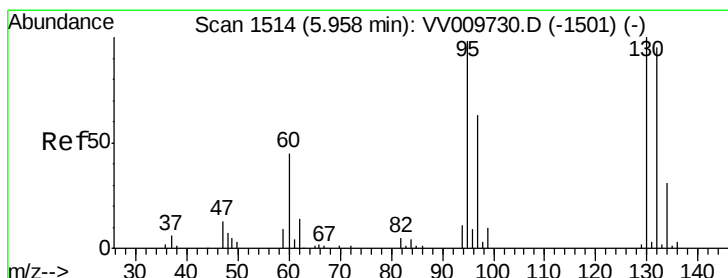
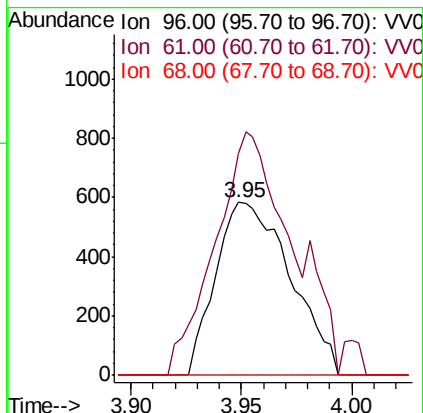
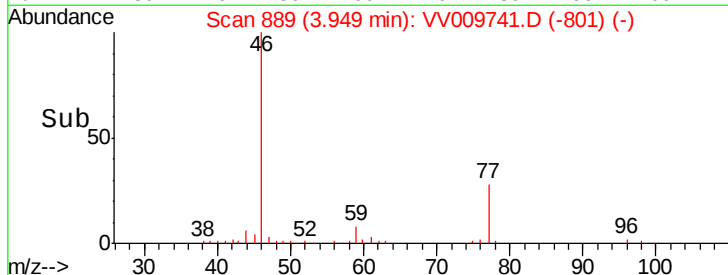
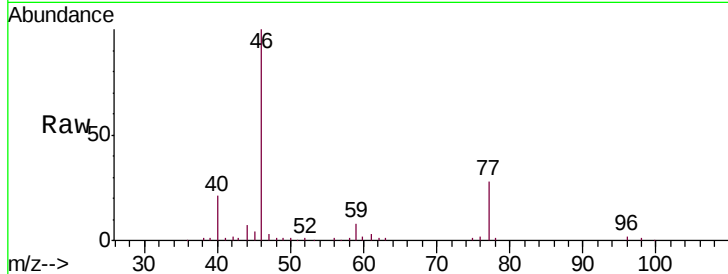




#20
 cis-1,2-Dichloroethene
 Concen: 0.841 ug/L
 RT: 3.95 min Scan# 889
 Delta R.T. -0.02 min
 Lab File: VV009741.D
 Acq: 16 Mar 2019 20:29

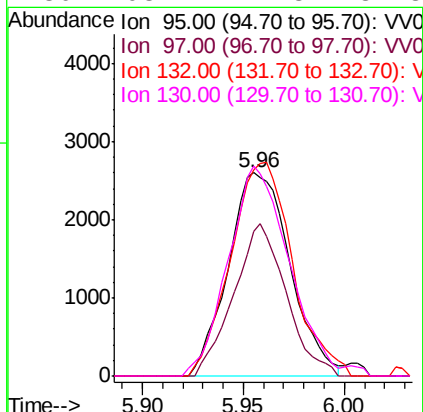
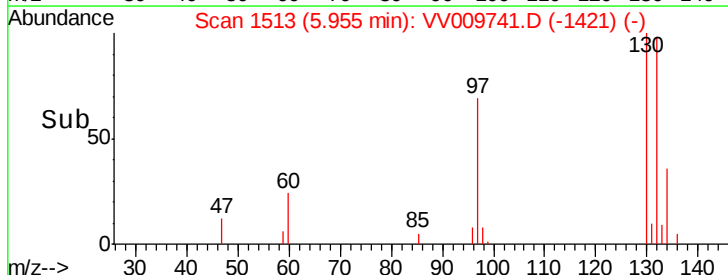
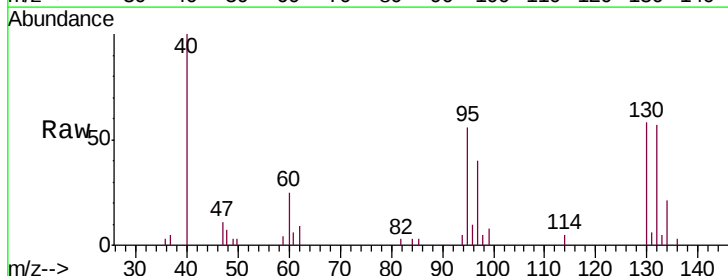
Instrument :
 MSVOA_V
 ClientSampled :
 BF0Z0

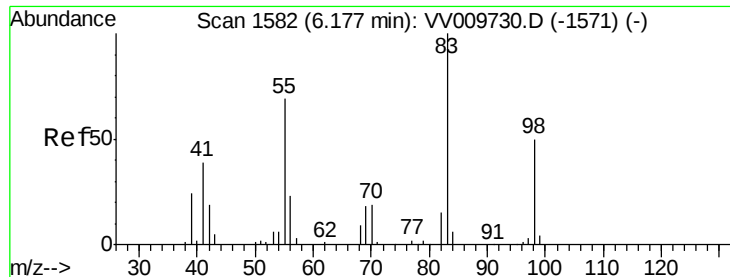
Tgt Ion: 96 Resp: 1373
 Ion Ratio Lower Upper
 96 100
 61 128.6 77.5 143.9
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 3.614 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV009741.D
 Acq: 16 Mar 2019 20:29

Tgt Ion: 95 Resp: 5574
 Ion Ratio Lower Upper
 95 100
 97 71.3 45.1 83.9
 132 101.6 68.0 126.2
 130 103.7 71.3 132.3

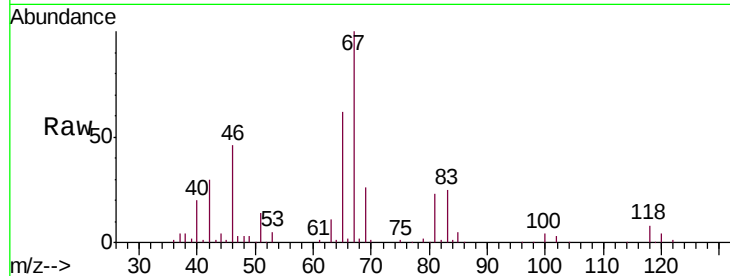




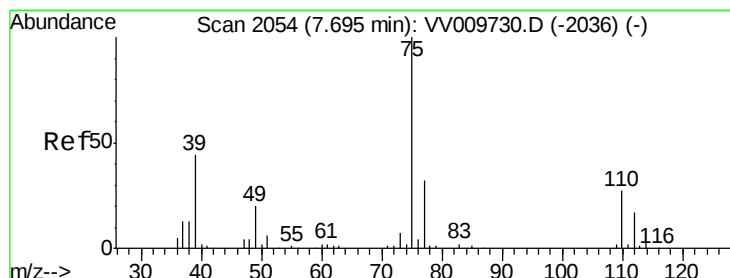
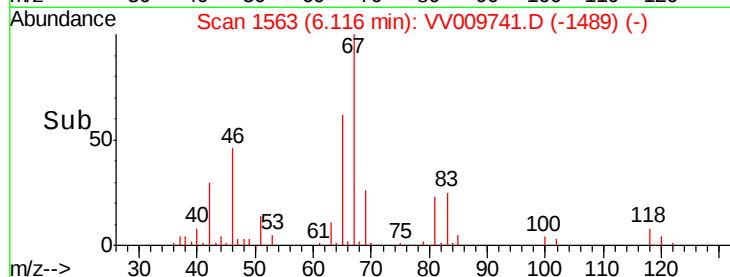
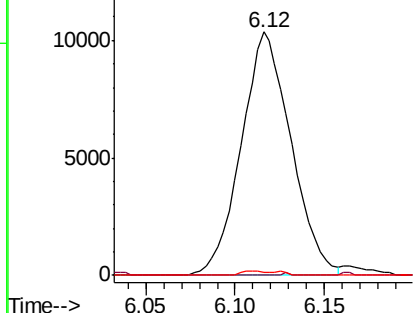
#35
Methylcyclohexane
Concen: 7.963 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV009741.D
Acq: 16 Mar 2019 20:29

Instrument :
MSVOA_V
ClientSampleId :
BF0Z0

Tgt Ion: 83 Resp: 20211
Ion Ratio Lower Upper
83 100
55 0.5 54.2 81.4#
98 0.9 38.4 57.6#

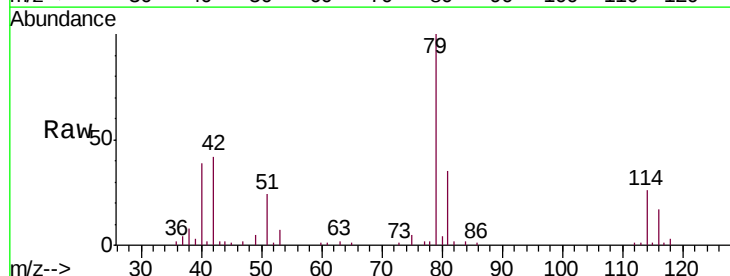


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

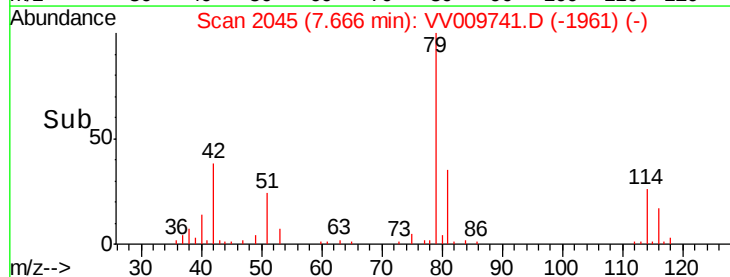
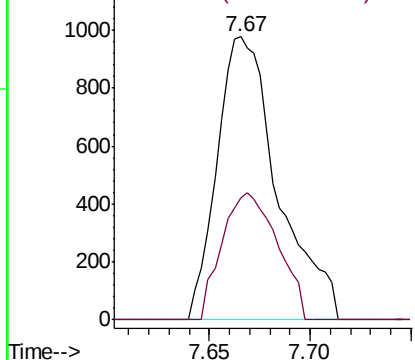


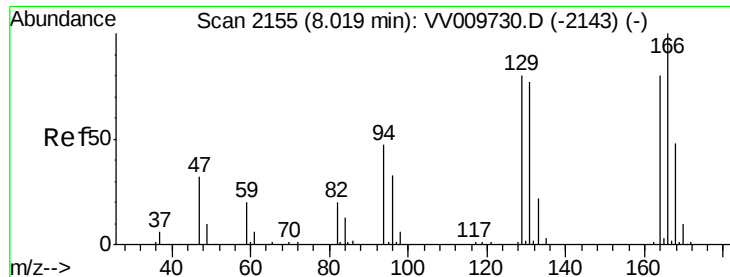
#44
trans-1,3-Dichloropropene
Concen: 0.940 ug/L
RT: 7.67 min Scan# 2045
Delta R.T. -0.03 min
Lab File: VV009741.D
Acq: 16 Mar 2019 20:29

Tgt Ion: 75 Resp: 2052
Ion Ratio Lower Upper
75 100
77 43.0 22.5 41.7#



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0





#46

Tetrachloroethene

Concen: 34.341 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV009741.D

Acq: 16 Mar 2019 20:29

Instrument :

MSVOA_V

ClientSampleId :

BF0Z0

Tgt Ion:164 Resp: 44212

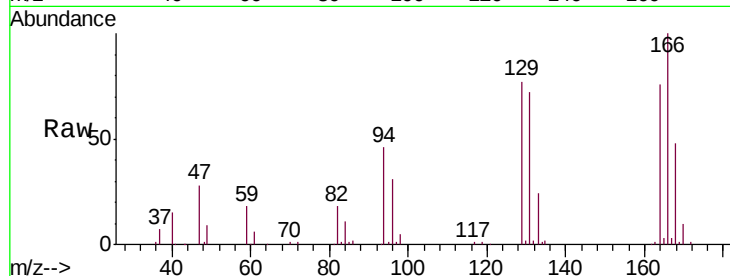
Ion Ratio Lower Upper

164 100

129 100.4 70.0 130.0

131 94.1 67.5 125.4

166 131.2 88.0 163.4

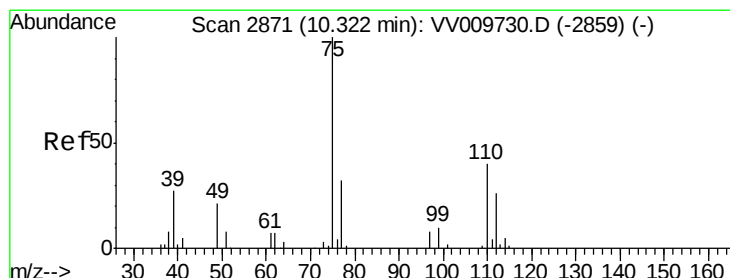
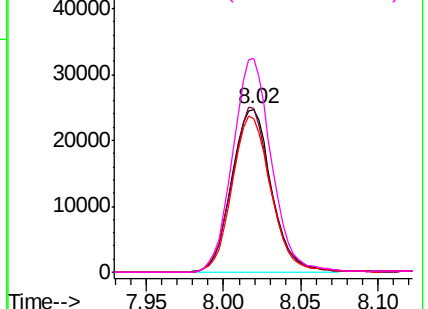
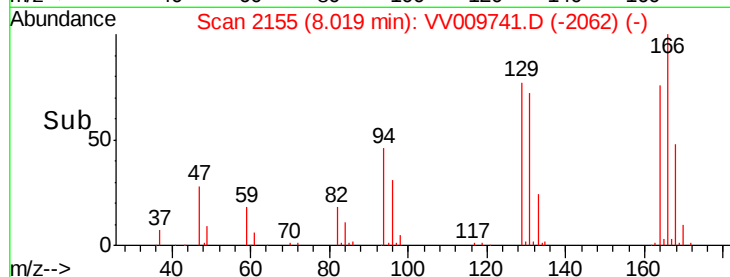


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#59

1,2,3-Trichloropropane

Concen: 5.987 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009741.D

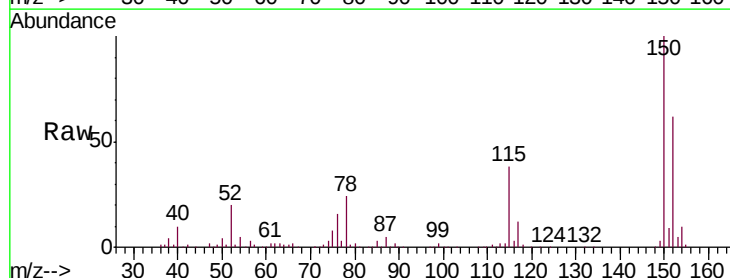
Acq: 16 Mar 2019 20:29

Tgt Ion: 75 Resp: 11887

Ion Ratio Lower Upper

75 100

77 38.3 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

