

Data File : VV009738.D
Acq On : 16 Mar 2019 19:16
Operator : SY/MD
Sample : K1949-04
Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF1J5

Quant Time: Mar 18 07:46:11 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	152533	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	145441	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	58714	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	45145	43.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.80%
7) Chloroethane-d5	1.55	69	22414	29.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	59.08%#
11) 1,1-Dichloroethene-d2	2.10	63	78551	35.87	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.74%
21) 2-Butanone-d5	3.95	46	53782	87.79	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.79%
24) Chloroform-d	4.40	84	83846	44.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.76%
26) 1,2-Dichloroethane-d4	5.08	65	54595	47.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.22%
32) Benzene-d6	5.09	84	186587	49.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.18%
36) 1,2-Dichloropropane-d6	6.12	67	55838	48.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.52%
41) Toluene-d8	7.36	98	174089	47.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.22%
43) trans-1,3-Dichloropropene-	7.67	79	26067	47.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.28%
47) 2-Hexanone-d5	8.15	63	48636	103.27	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.27%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	80210	45.70	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	60134	50.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.22%

Target Compounds

						Qvalue
9) Trichlorofluoromethane	2.10	101	1032	0.544	ug/L #	35
10) 1,1,2-Trichloro-1,2,2-trif	2.10	101	1032	0.984	ug/L #	19
16) Methylene chloride	2.53	84	468	0.443	ug/L #	68
20) cis-1,2-Dichloroethene	3.96	96	20016	17.950	ug/L	97
27) 1,2-Dichloroethane	5.09	62	916	0.654	ug/L #	74
34) Trichloroethene	5.96	95	3551	3.432	ug/L	90
35) Methylcyclohexane	6.11	83	13715	8.054	ug/L #	22
37) 1,2-Dichloropropane	6.11	63	6389	6.311	ug/L #	86
39) cis-1,3-Dichloropropene	7.04	75	1808	1.169	ug/L #	38
44) trans-1,3-Dichloropropene	7.67	75	1494	1.020	ug/L	95
46) Tetrachloroethene	8.02	164	27160	31.445	ug/L	95
59) 1,2,3-Trichloropropane	11.30	75	7763	5.828	ug/L	94

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

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ALS Vial      : 14      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
BF1J5

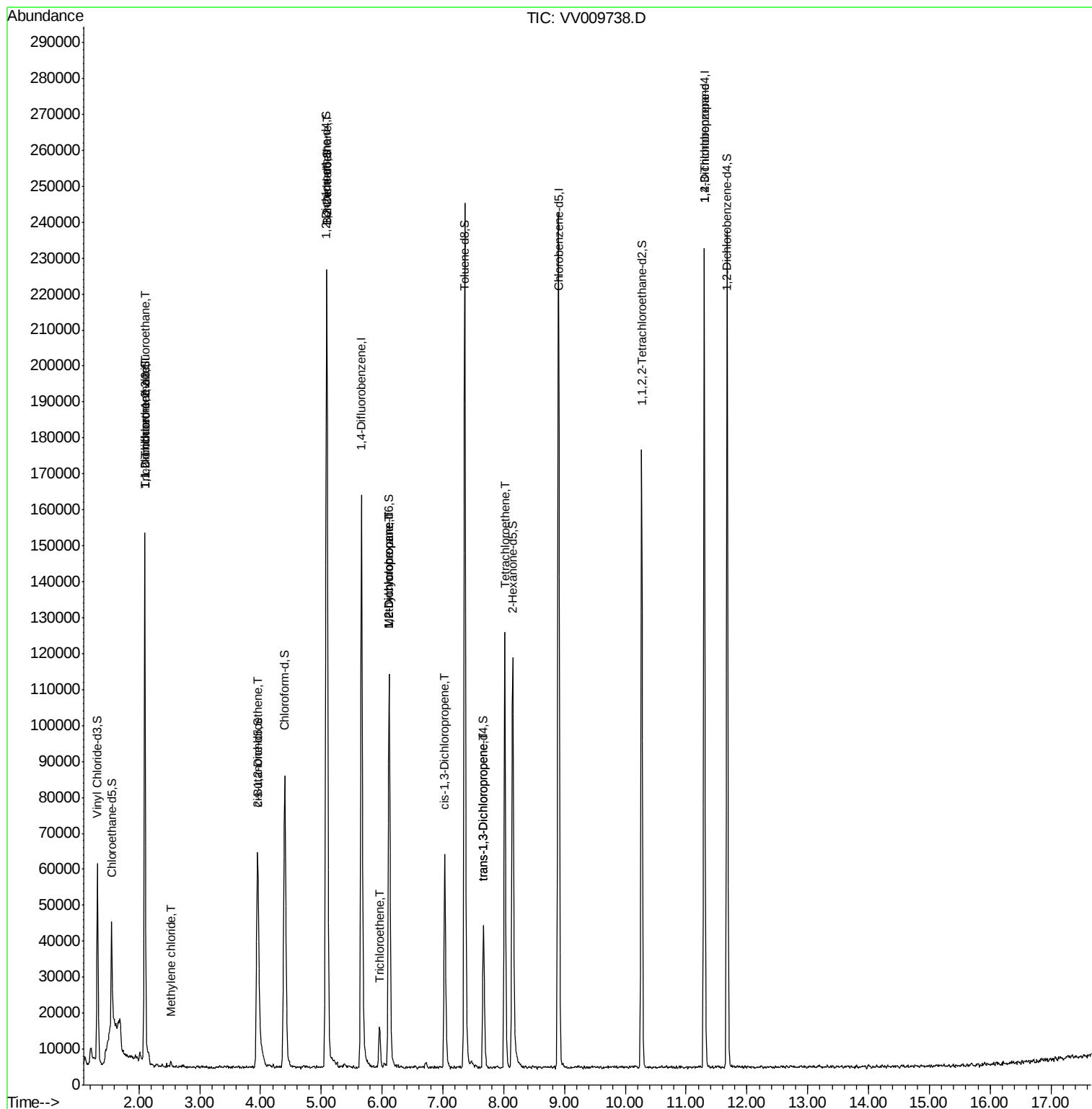
Quant Time: Mar 18 07:46:11 2019

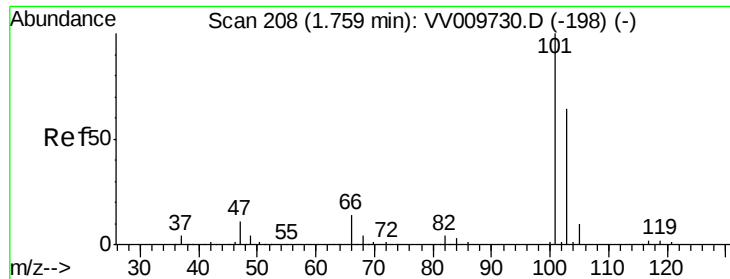
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Quant Title : VOC Analysis

QLast Update : Mon Mar 18 07:41:44 2019

Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 0.544 ug/L

RT: 2.10 min Scan# 313

Delta R.T. 0.34 min

Lab File: VV009738.D

Acq: 16 Mar 2019 19:16

Instrument :

MSVOA_V

ClientSampleId :

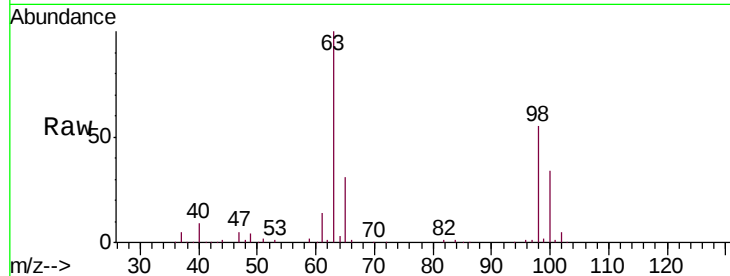
BF1J5

Tgt Ion:101 Resp: 1032

Ion Ratio Lower Upper

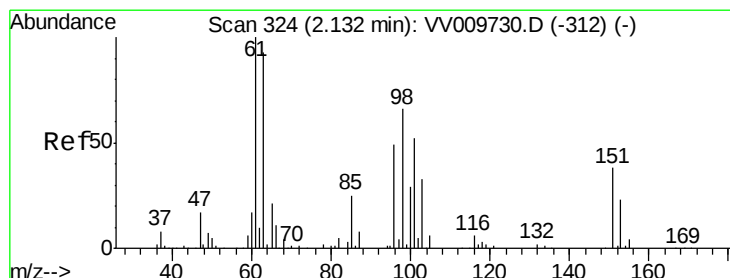
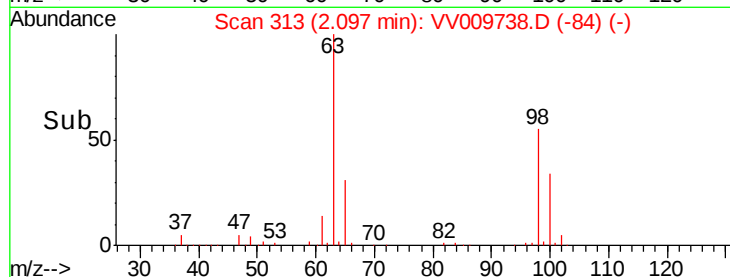
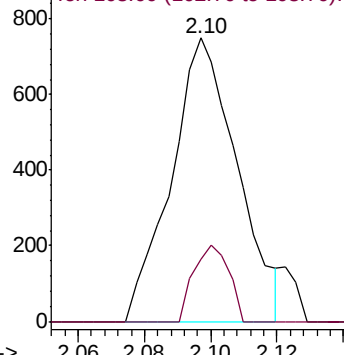
101 100

103 14.3 52.3 78.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 0.984 ug/L

RT: 2.10 min Scan# 313

Delta R.T. -0.04 min

Lab File: VV009738.D

Acq: 16 Mar 2019 19:16

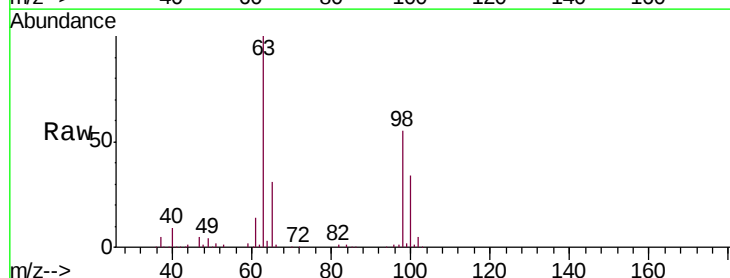
Tgt Ion:101 Resp: 1032

Ion Ratio Lower Upper

101 100

85 0.0 38.5 57.7#

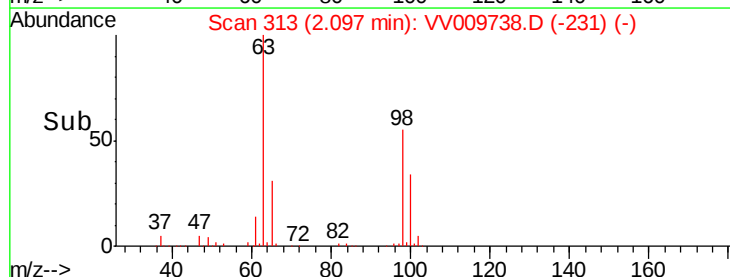
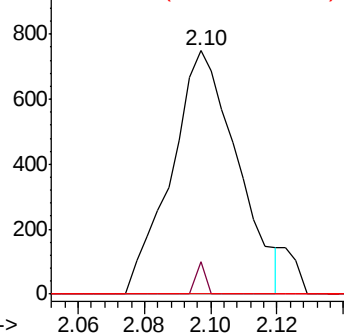
151 0.0 58.9 88.3#

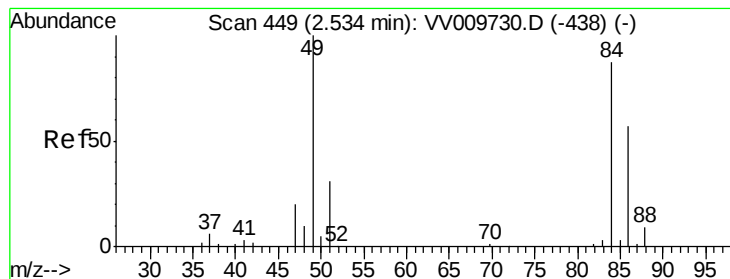


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V





#16

Methylene chloride

Concen: 0.443 ug/L

RT: 2.53 min Scan# 447

Delta R.T. -0.01 min

Lab File: VV009738.D

Acq: 16 Mar 2019 19:16

Instrument :

MSVOA_V

ClientSampleId :

BF1J5

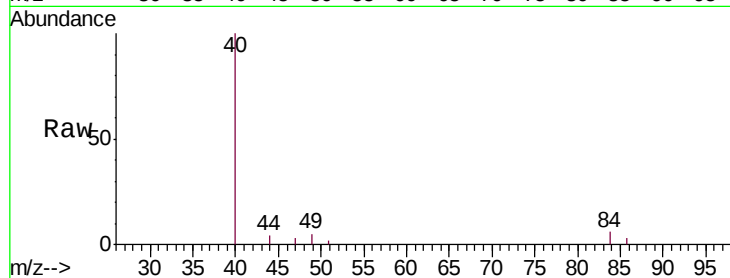
Tgt Ion: 84 Resp: 468

Ion Ratio Lower Upper

84 100

86 42.8 45.8 85.2#

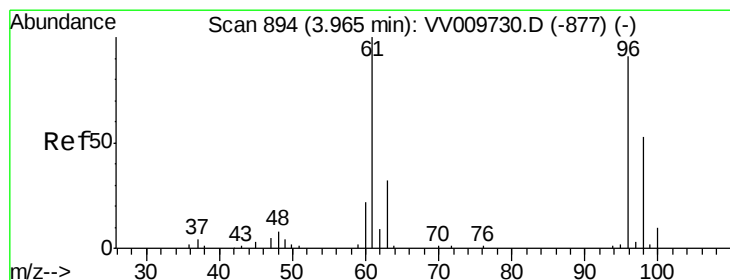
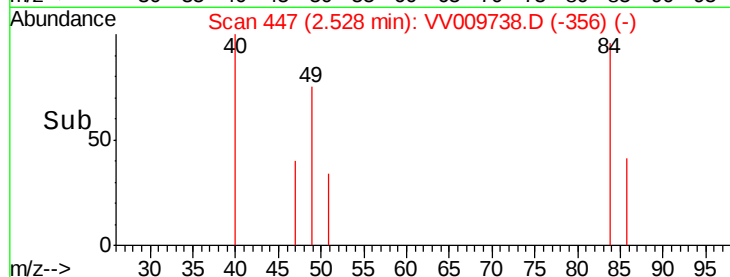
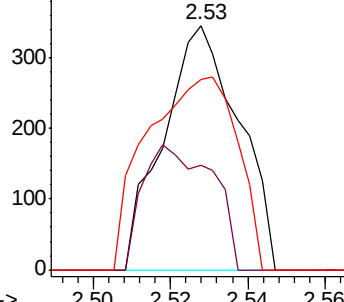
49 78.0 80.6 149.6#



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 17.950 ug/L

RT: 3.96 min Scan# 891

Delta R.T. -0.01 min

Lab File: VV009738.D

Acq: 16 Mar 2019 19:16

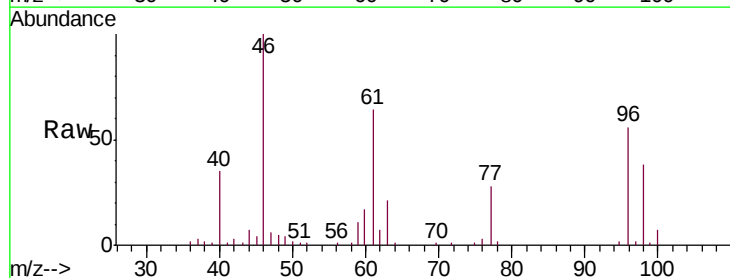
Tgt Ion: 96 Resp: 20016

Ion Ratio Lower Upper

96 100

61 114.2 77.5 143.9

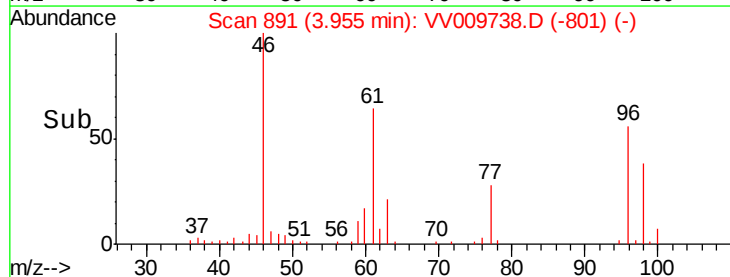
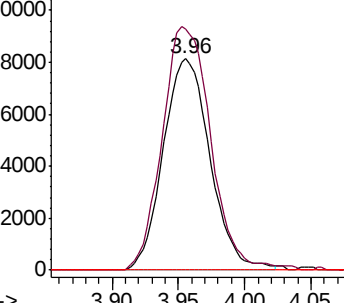
68 0.0 0.0 0.0

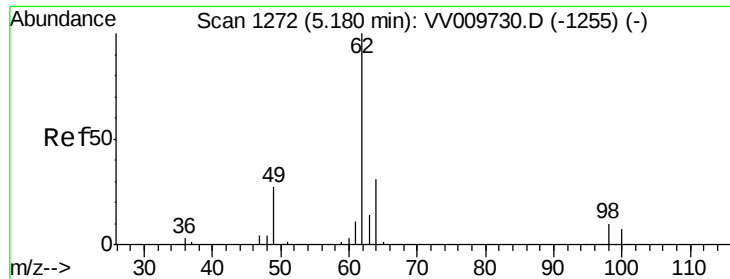


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

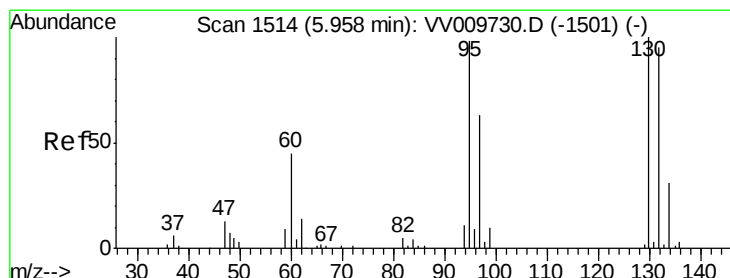
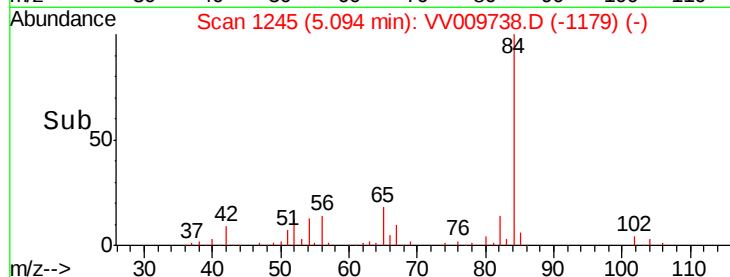
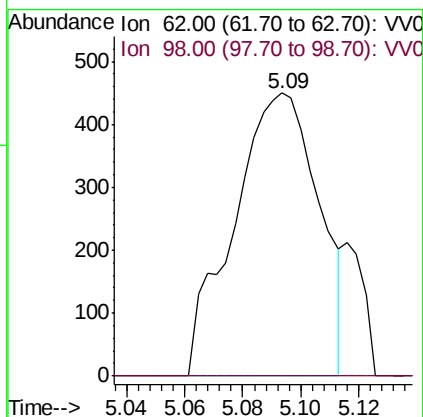
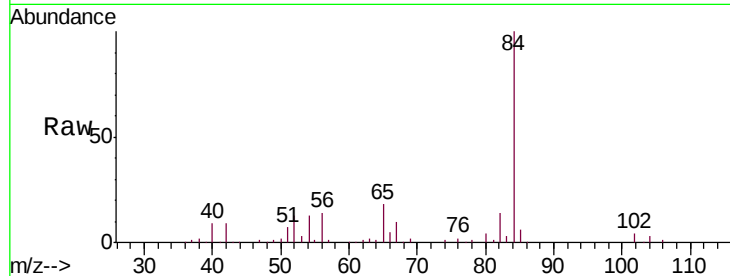




#27
 1,2-Dichloroethane
 Concen: 0.654 ug/L
 RT: 5.09 min Scan# 1245
 Delta R.T. -0.09 min
 Lab File: VV009738.D
 Acq: 16 Mar 2019 19:16

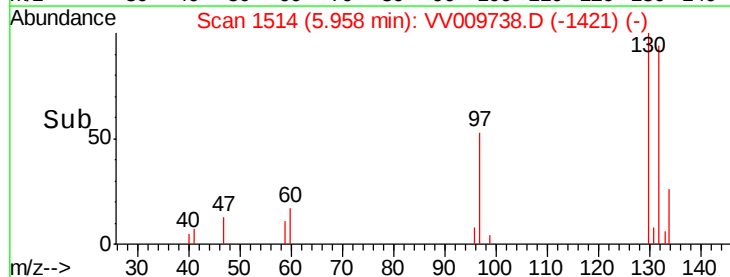
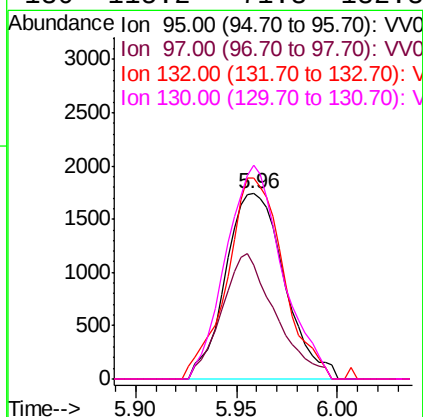
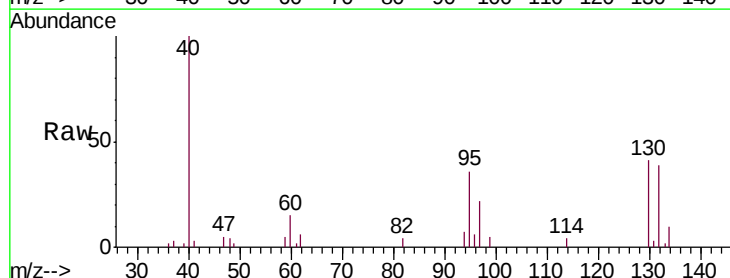
Instrument :
 MSVOA_V
 ClientSampleId :
 BF1J5

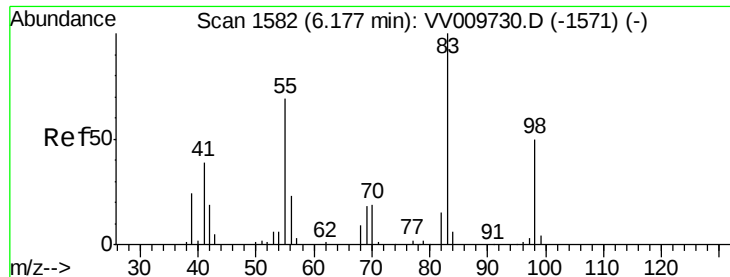
Tgt Ion: 62 Resp: 916
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.8 11.6#



#34
 Trichloroethene
 Concen: 3.432 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV009738.D
 Acq: 16 Mar 2019 19:16

Tgt Ion: 95 Resp: 3551
 Ion Ratio Lower Upper
 95 100
 97 61.5 45.1 83.9
 132 108.6 68.0 126.2
 130 115.2 71.3 132.3

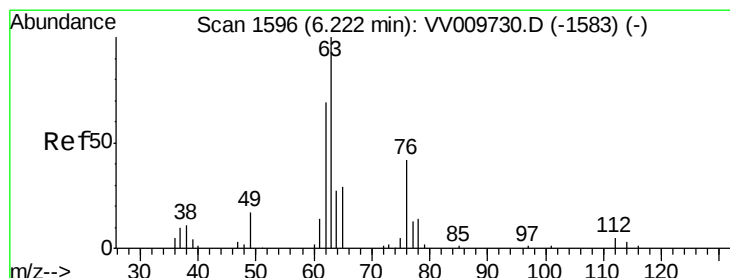
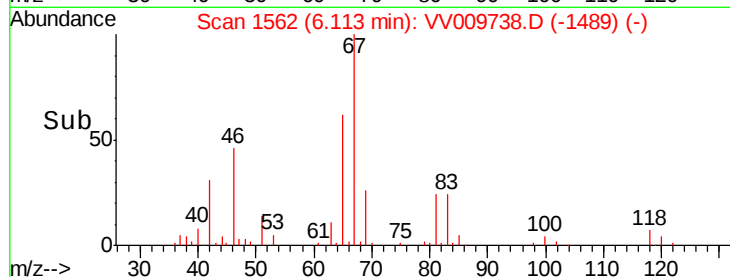
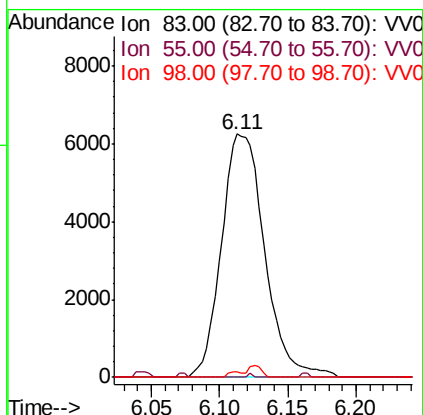
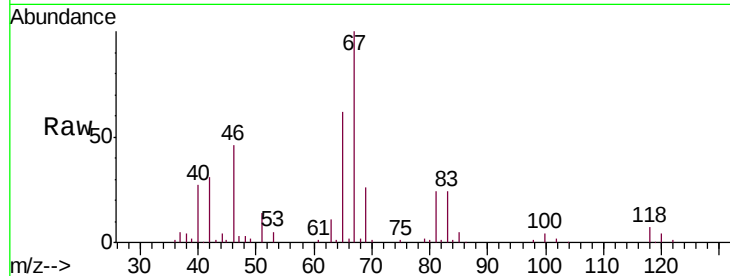




#35
Methylcyclohexane
Concen: 8.054 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV009738.D
Acq: 16 Mar 2019 19:16

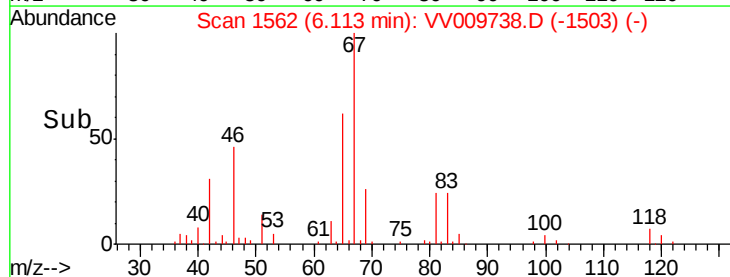
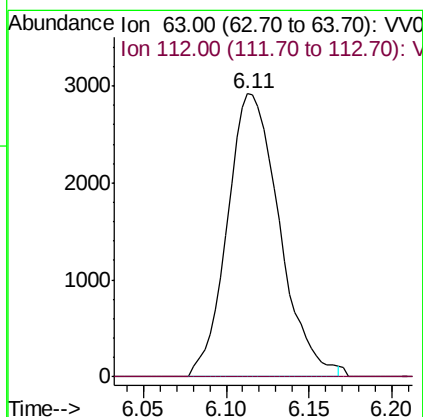
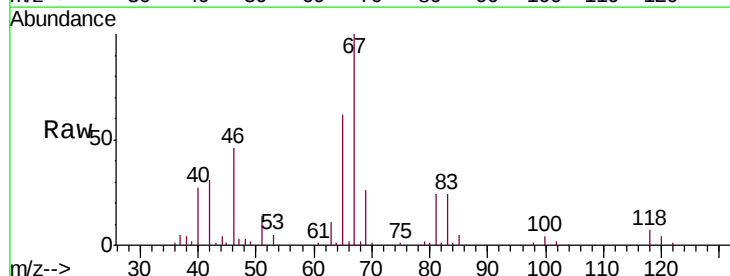
Instrument :
MSVOA_V
ClientSampled :
BF1J5

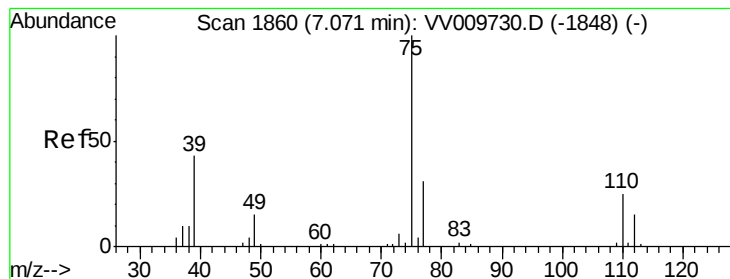
Tgt Ion: 83 Resp: 13715
Ion Ratio Lower Upper
83 100
55 0.3 54.2 81.4#
98 0.7 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 6.311 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.11 min
Lab File: VV009738.D
Acq: 16 Mar 2019 19:16

Tgt Ion: 63 Resp: 6389
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



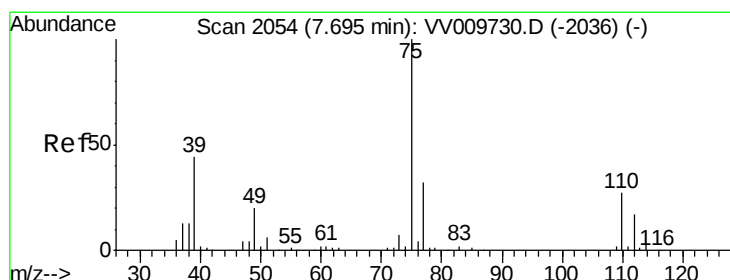
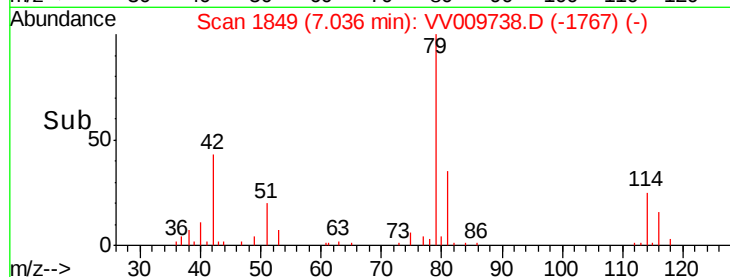
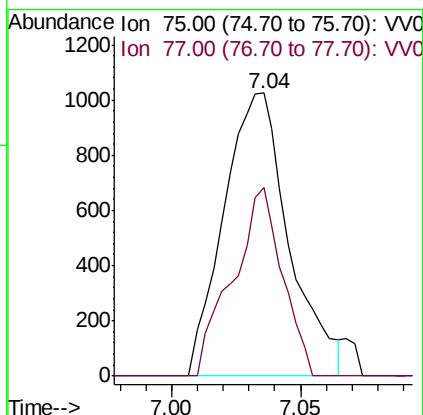
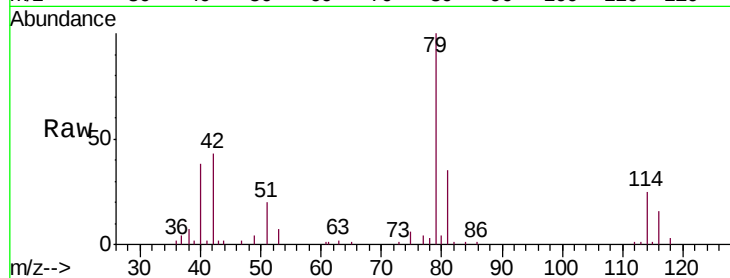


#39

cis-1,3-Dichloropropene
Concen: 1.169 ug/L
RT: 7.04 min Scan# 1849
Delta R.T. -0.04 min
Lab File: VV009738.D
Acq: 16 Mar 2019 19:16

Instrument :
MSVOA_V
ClientSampleId :
BF1J5

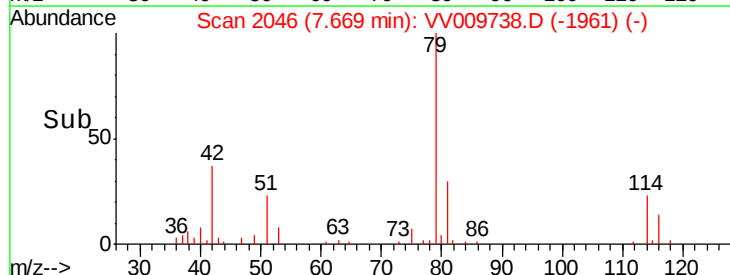
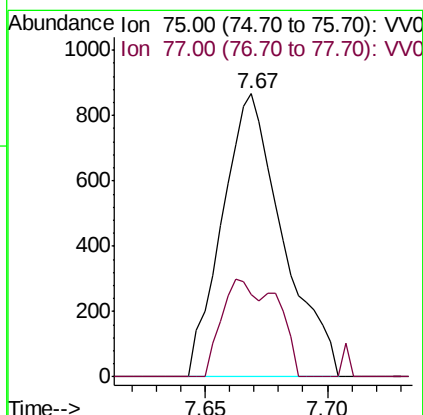
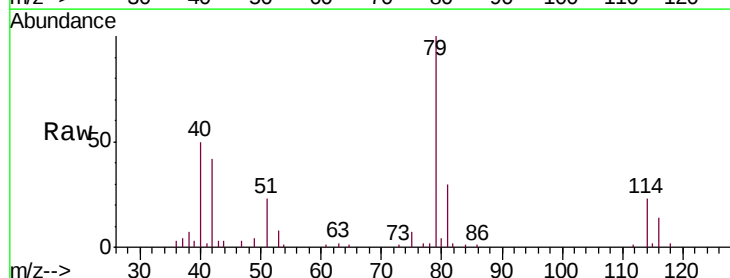
Tgt Ion: 75 Resp: 1808
Ion Ratio Lower Upper
75 100
77 66.5 22.4 41.6#

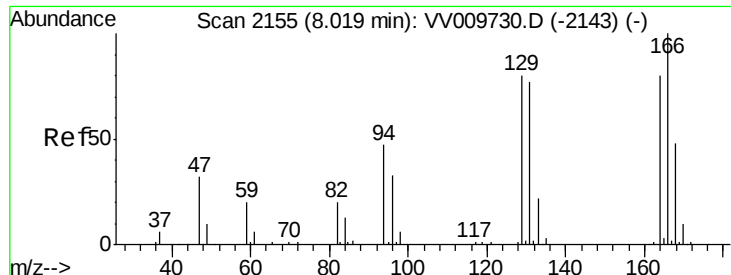


#44

trans-1,3-Dichloropropene
Concen: 1.020 ug/L
RT: 7.67 min Scan# 2046
Delta R.T. -0.03 min
Lab File: VV009738.D
Acq: 16 Mar 2019 19:16

Tgt Ion: 75 Resp: 1494
Ion Ratio Lower Upper
75 100
77 29.2 22.5 41.7





#46

Tetrachloroethene

Concen: 31.445 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV009738.D

Acq: 16 Mar 2019 19:16

Instrument :

MSVOA_V

ClientSampleId :

BF1J5

Tgt Ion:164 Resp: 27160

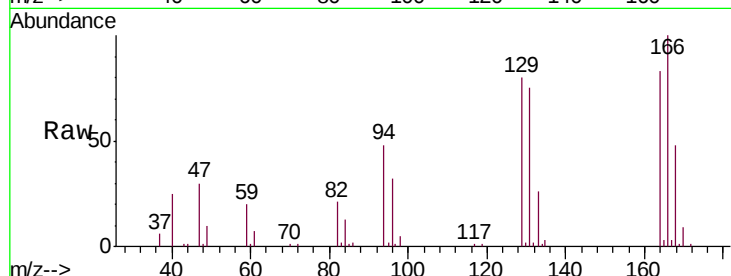
Ion Ratio Lower Upper

164 100

129 96.4 70.0 130.0

131 90.4 67.5 125.4

166 120.8 88.0 163.4

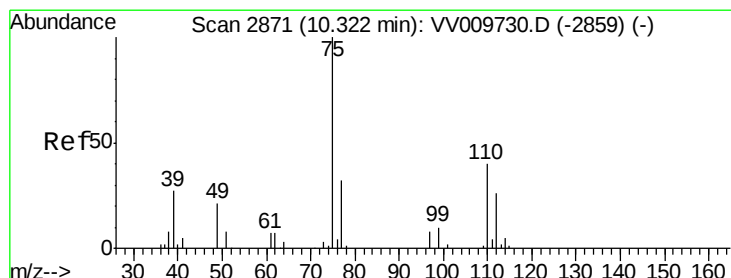
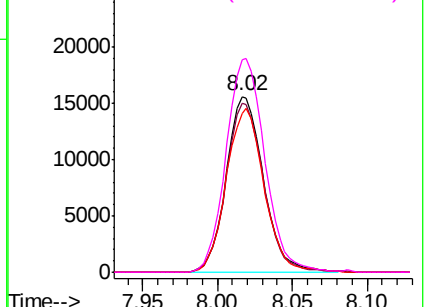
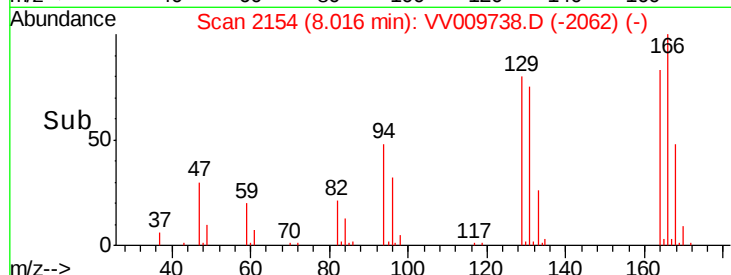


Abundance Ion 164.00 (163.70 to 164.70): V

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: 5.828 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009738.D

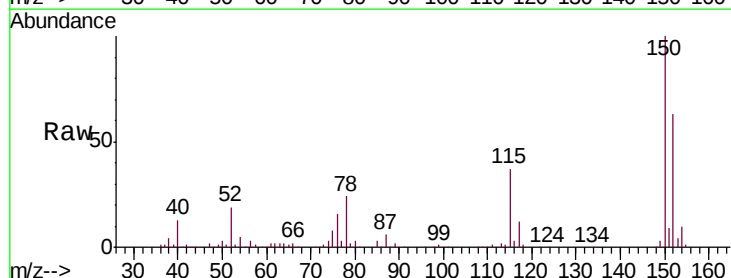
Acq: 16 Mar 2019 19:16

Tgt Ion: 75 Resp: 7763

Ion Ratio Lower Upper

75 100

77 36.4 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

