

Data File : VV011940.D
Acq On : 18 Jul 2019 17:54
Operator : SY/MD
Sample : K3823-09DL 50X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52L2DL

Quant Time: Jul 19 05:47:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 19 05:34:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	139672	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	133074	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	62003	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31691	3.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.80%
7) Chloroethane-d5	1.58	69	26784	3.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	63.00%#
11) 1,1-Dichloroethene-d2	2.13	63	51820	3.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.80%
20) 2-Butanone-d5	3.94	46	128917	49.76	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.52%
24) Chloroform-d	4.40	84	98475	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.08	65	53721	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.10	84	192162	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.12	67	58338	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.36	98	166369	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	7.67	79	20057	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.13	63	84429	47.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.56%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35914	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	67819	5.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.60%

Target Compounds

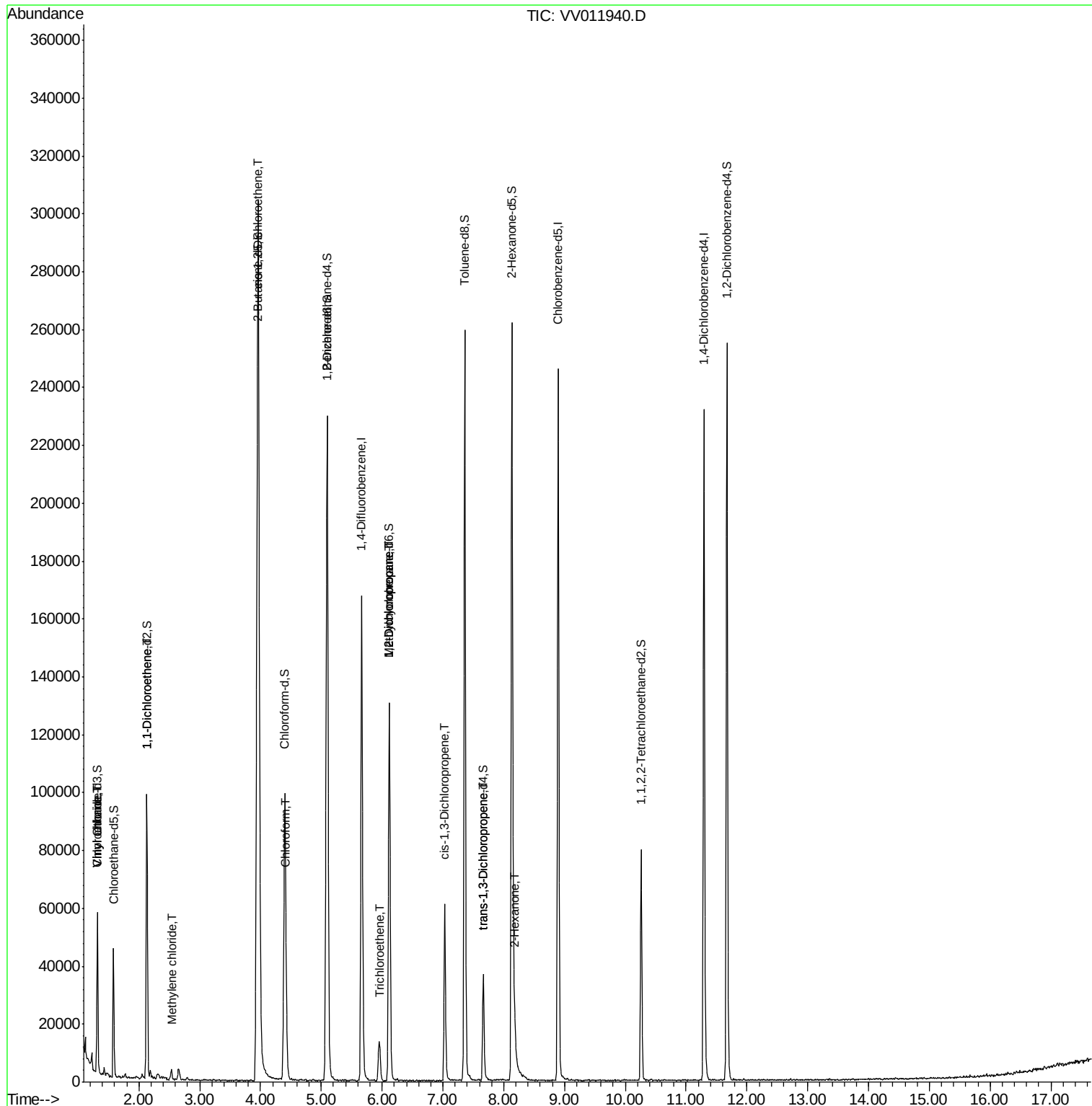
						Qvalue
5) Vinyl chloride	1.32	62	1637	0.123	ug/L #	64
8) Chloroethane	1.32	64	938	0.124	ug/L #	13
12) 1,1-Dichloroethene	2.13	96	966	0.130	ug/L #	1
16) Methylene chloride	2.53	84	1274	0.163	ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	140808	13.068	ug/L	95
25) Chloroform	4.43	83	4524	0.213	ug/L	99
34) Trichloroethene	5.96	95	2446	0.211	ug/L	91
35) Methylcyclohexane	6.12	83	15065	0.858	ug/L #	16
37) 1,2-Dichloropropane	6.12	63	7126	0.701	ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	1568	0.113	ug/L #	74
44) trans-1,3-Dichloropropene	7.67	75	1120	0.101	ug/L #	77
48) 2-Hexanone	8.18	43	8337	1.907	ug/L #	80

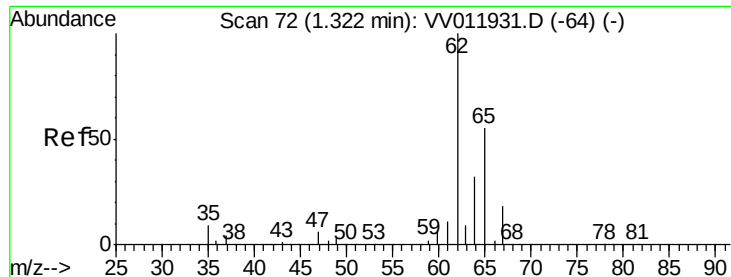
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.123 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011940.D

Acq: 18 Jul 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

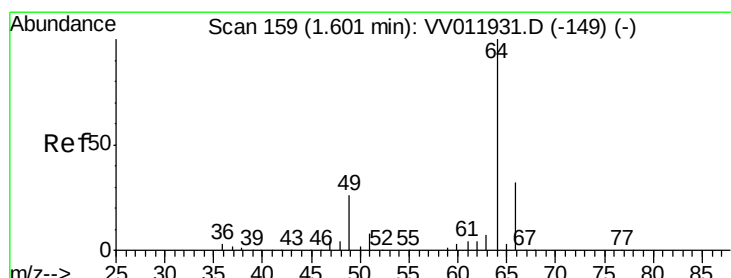
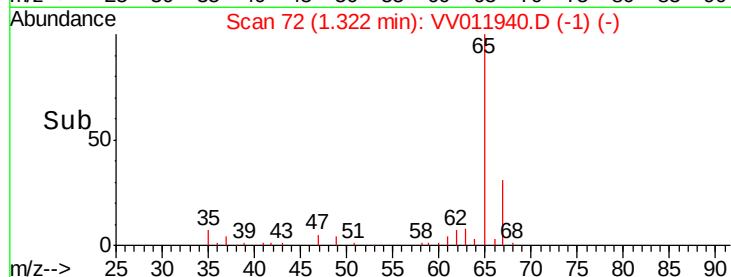
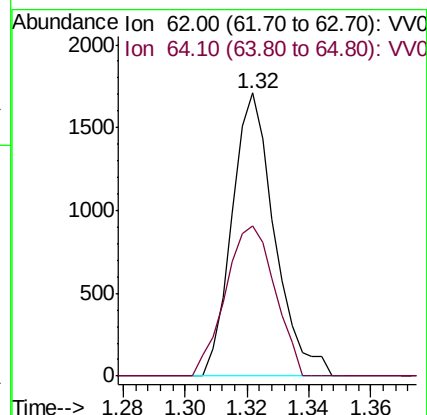
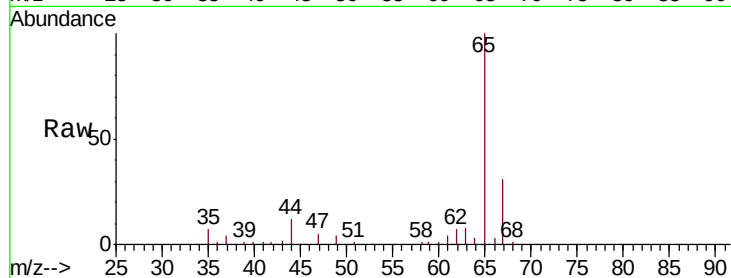
A52L2DL

Tgt Ion: 62 Resp: 1637

Ion Ratio Lower Upper

62 100

64 53.0 22.9 42.5#



#8

Chloroethane

Concen: 0.124 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV011940.D

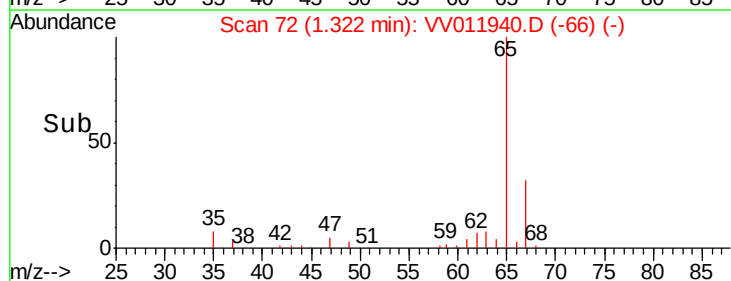
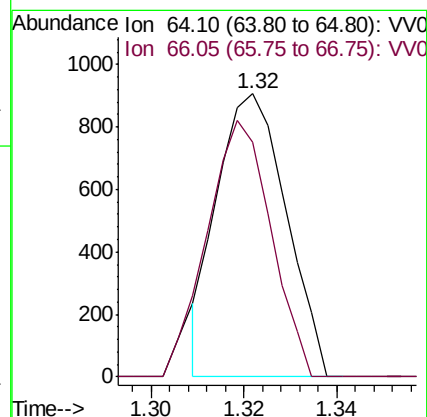
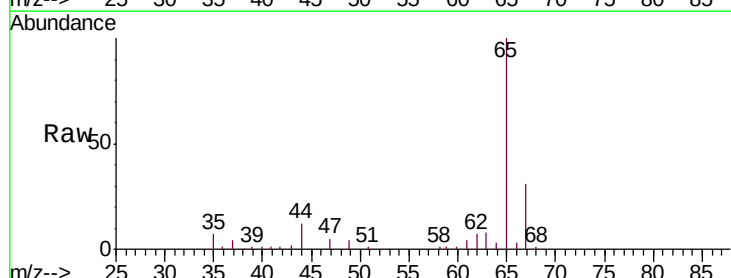
Acq: 18 Jul 2019 17:54

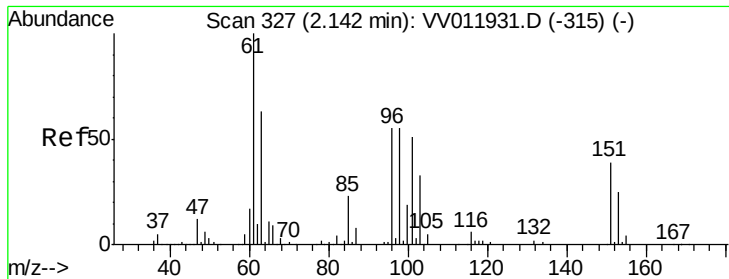
Tgt Ion: 64 Resp: 938

Ion Ratio Lower Upper

64 100

66 82.8 23.2 43.2#

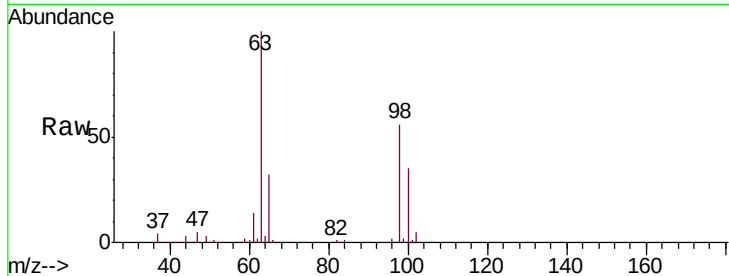




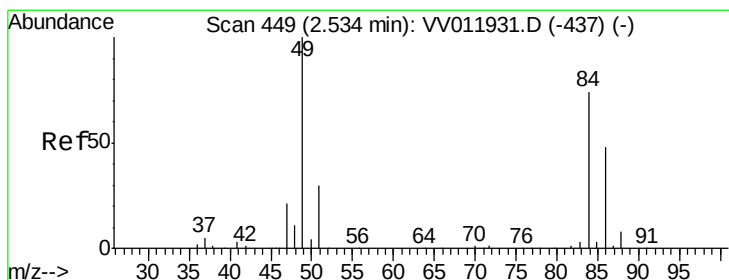
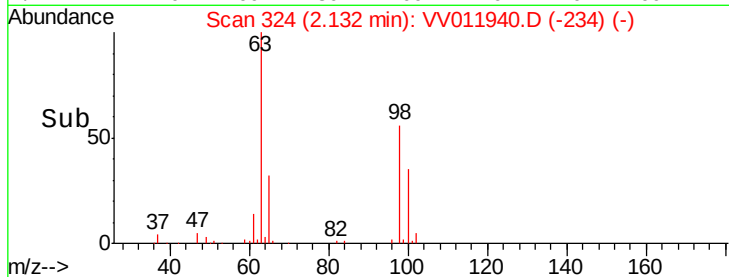
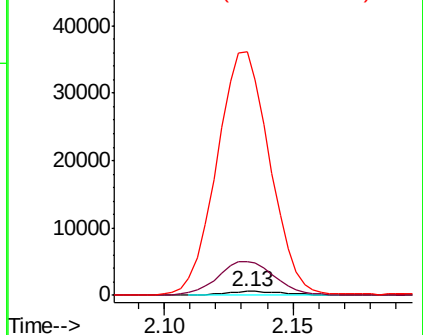
#12
 1,1-Dichloroethene
 Concen: 0.130 ug/L
 RT: 2.13 min Scan# 324
 Delta R.T. -0.01 min
 Lab File: VV011940.D
 Acq: 18 Jul 2019 17:54

Instrument :
 MSVOA_V
 ClientSampleID :
 A52L2DL

Tgt Ion: 96 Resp: 966
 Ion Ratio Lower Upper
 96 100
 61 878.6 128.9 239.3#
 63 6241.1 85.5 158.9#

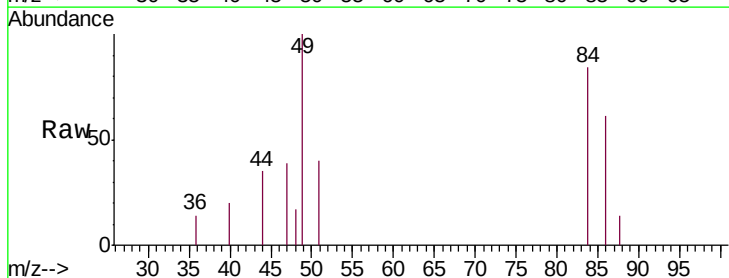


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 63.00 (62.70 to 63.70): VV0

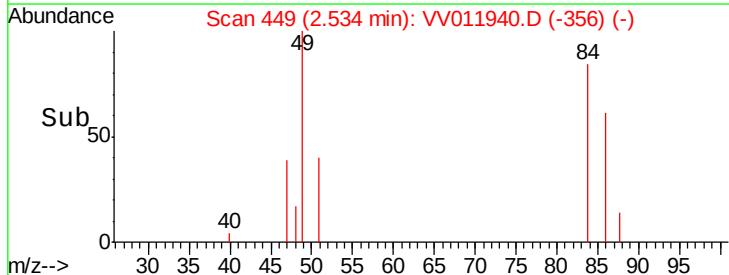
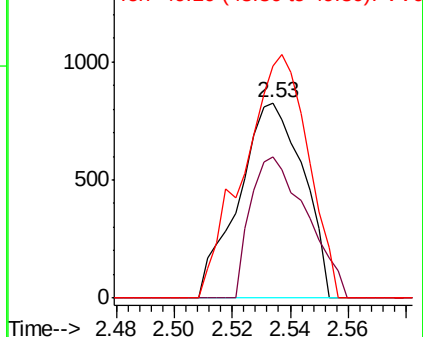


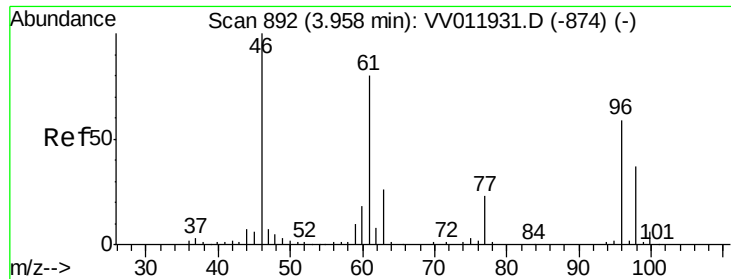
#16
 Methylene chloride
 Concen: 0.163 ug/L
 RT: 2.53 min Scan# 449
 Delta R.T. 0.00 min
 Lab File: VV011940.D
 Acq: 18 Jul 2019 17:54

Tgt Ion: 84 Resp: 1274
 Ion Ratio Lower Upper
 84 100
 86 72.4 44.8 83.2
 49 119.3 90.4 168.0



Abundance Ion 84.05 (83.75 to 84.75): VV0
 Ion 86.00 (85.70 to 86.70): VV0
 Ion 49.10 (48.80 to 49.80): VV0



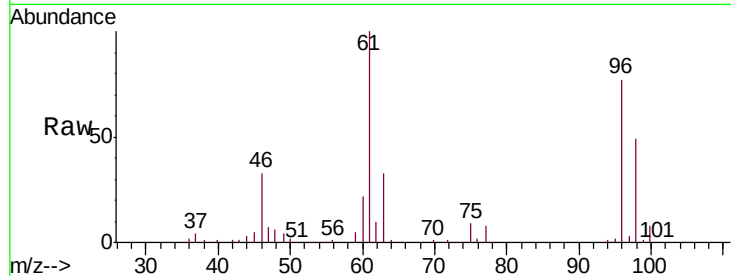


#22

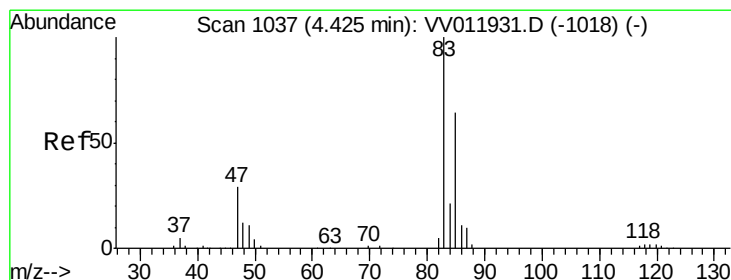
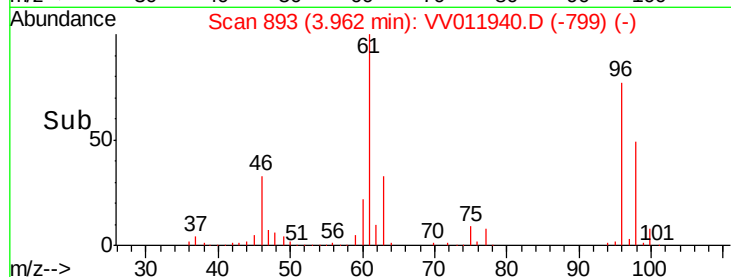
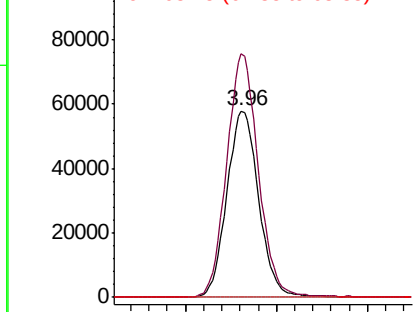
cis-1,2-Dichloroethene
Concen: 13.068 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV011940.D
Acq: 18 Jul 2019 17:54

Instrument :
MSVOA_V
ClientSampleId :
A52L2DL

Tgt Ion: 96 Resp: 140808
Ion Ratio Lower Upper
96 100
61 130.4 95.2 176.8
68 0.0 0.0 0.0



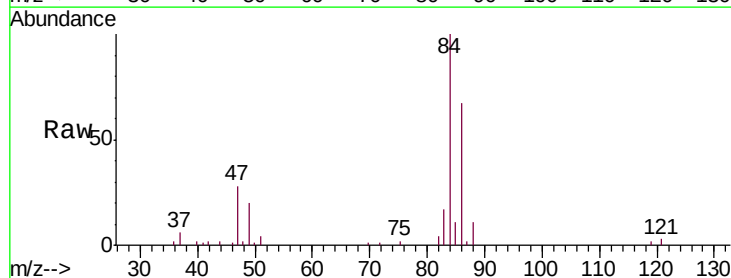
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



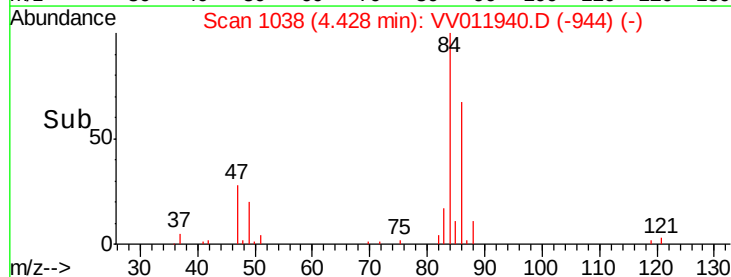
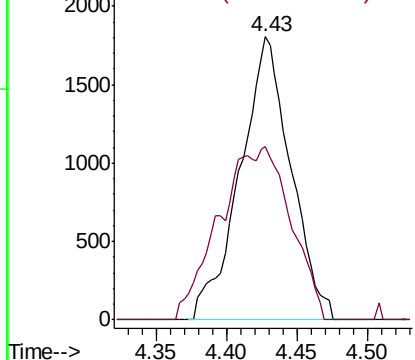
#25

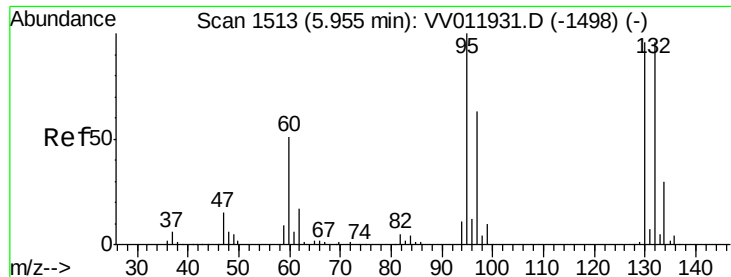
Chloroform
Concen: 0.213 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV011940.D
Acq: 18 Jul 2019 17:54

Tgt Ion: 83 Resp: 4524
Ion Ratio Lower Upper
83 100
85 61.2 42.5 78.9



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0





#34

Trichloroethene

Concen: 0.211 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.01 min

Lab File: VV011940.D

Acq: 18 Jul 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

A52L2DL

Tgt Ion: 95 Resp: 2446

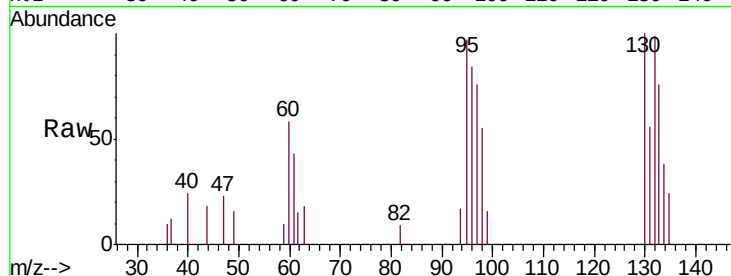
Ion Ratio Lower Upper

95 100

97 78.8 44.0 81.6

132 101.7 67.0 124.4

130 103.0 69.1 128.3

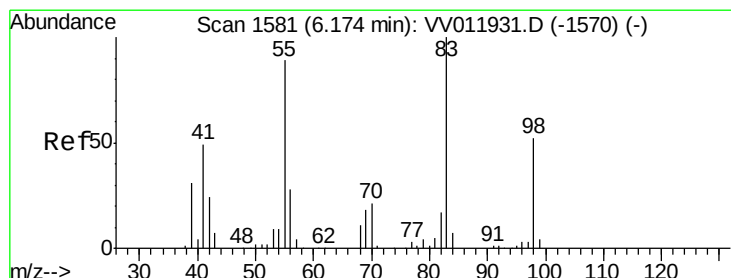
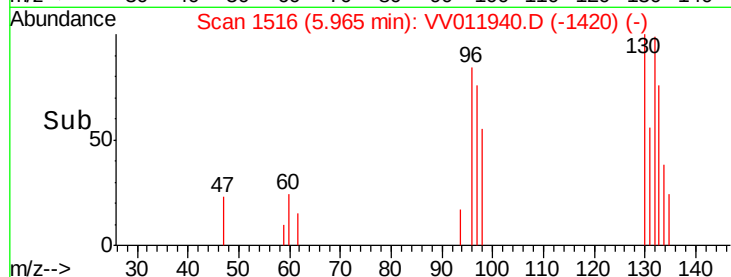
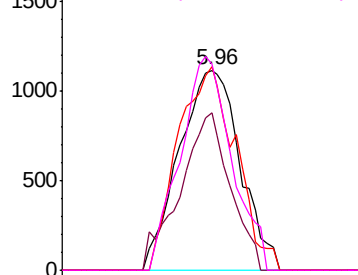


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.858 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.05 min

Lab File: VV011940.D

Acq: 18 Jul 2019 17:54

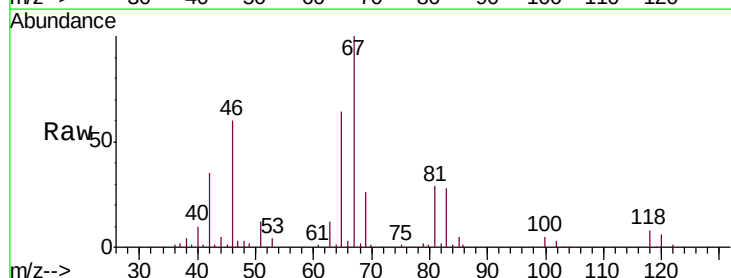
Tgt Ion: 83 Resp: 15065

Ion Ratio Lower Upper

83 100

55 0.3 66.7 100.1#

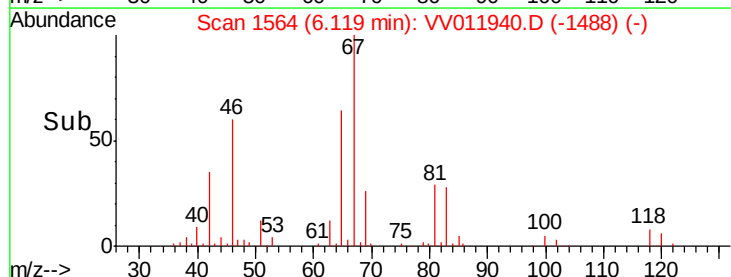
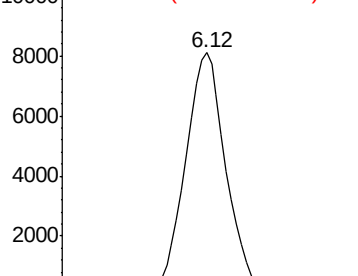
98 0.4 39.0 58.4#

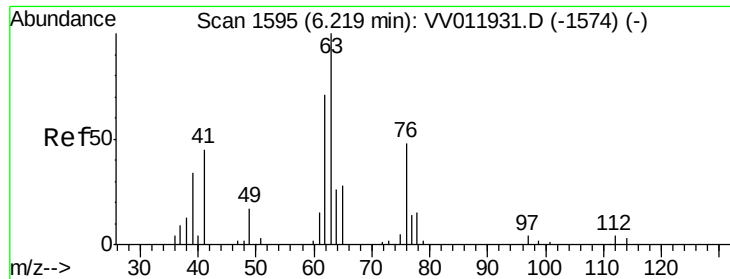


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

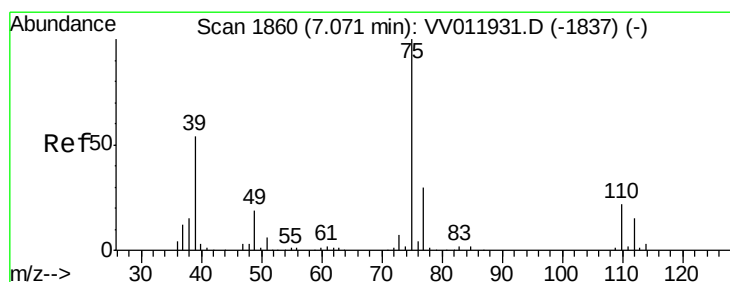
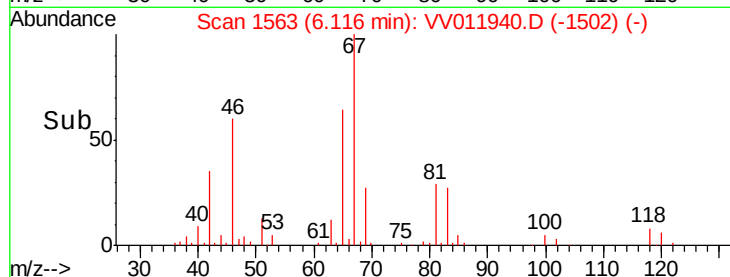
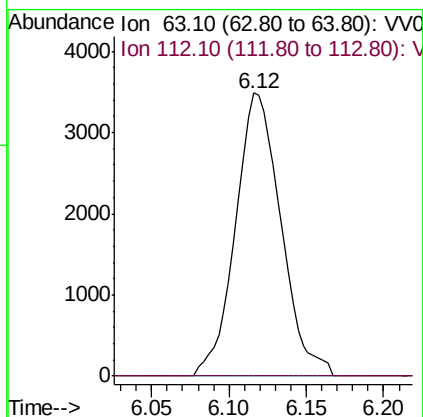
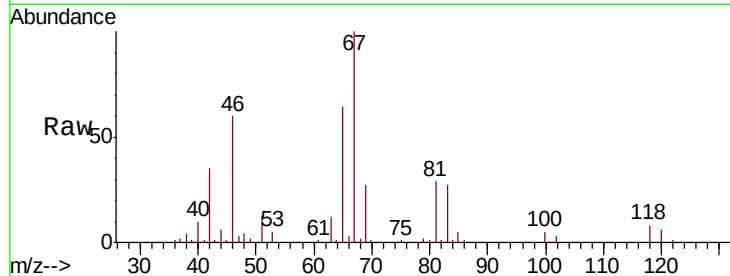




#37
 1,2-Dichloropropane
 Concen: 0.701 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV011940.D
 Acq: 18 Jul 2019 17:54

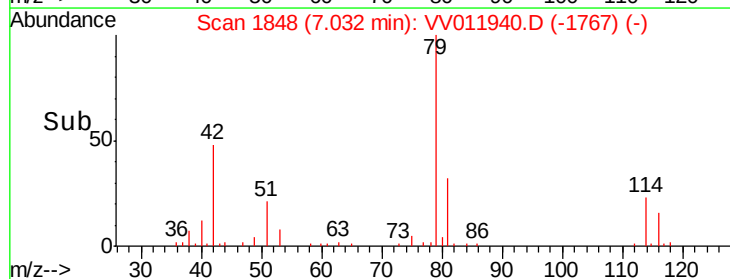
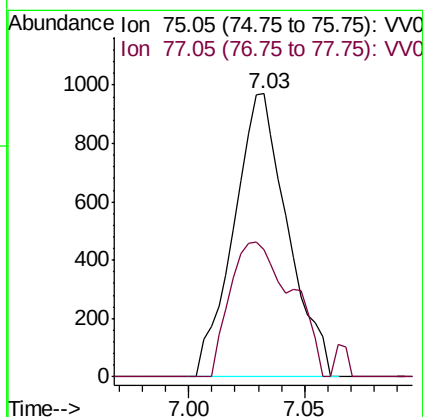
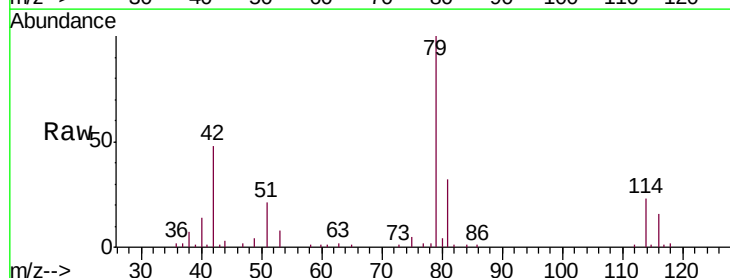
Instrument :
 MSVOA_V
 ClientSampleId :
 A52L2DL

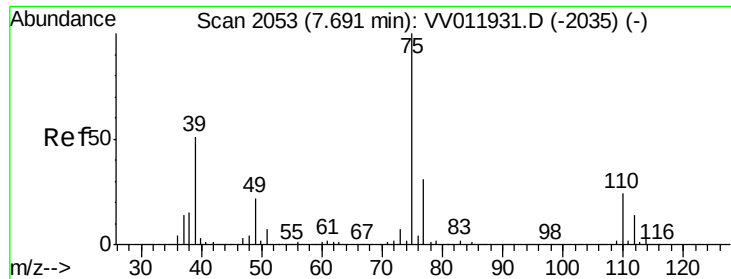
Tgt Ion: 63 Resp: 7126
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.113 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV011940.D
 Acq: 18 Jul 2019 17:54

Tgt Ion: 75 Resp: 1568
 Ion Ratio Lower Upper
 75 100
 77 45.2 21.6 40.2#





#44

trans-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV011940.D

Acq: 18 Jul 2019 17:54

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MSVOA_V

ClientSampleId :

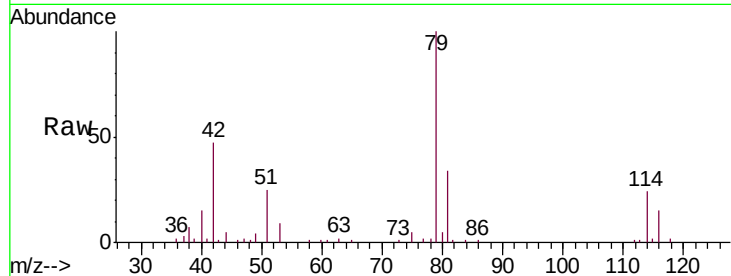
A52L2DL

Tgt Ion: 75 Resp: 1120

Ion Ratio Lower Upper

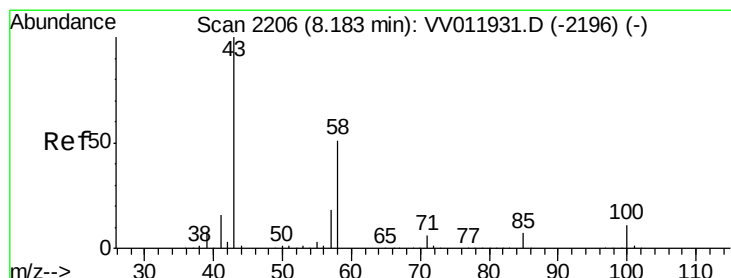
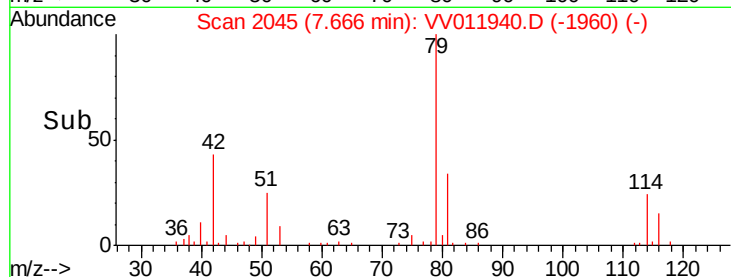
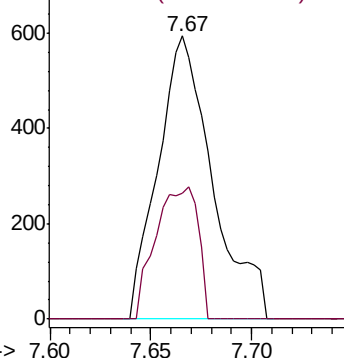
75 100

77 44.6 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#48

2-Hexanone

Concen: 1.907 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VV011940.D

Acq: 18 Jul 2019 17:54

Tgt Ion: 43 Resp: 8337

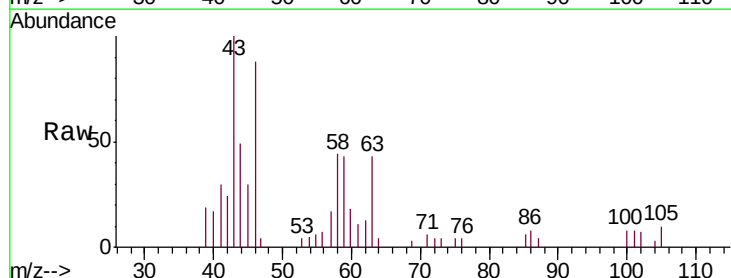
Ion Ratio Lower Upper

43 100

58 32.3 41.1 61.7#

57 19.1 14.3 21.5

100 6.7 8.7 13.1#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

