

Data File : VV011937.D
Acq On : 18 Jul 2019 16:40
Operator : SY/MD
Sample : K3823-06DL 5X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52K4DL

Quant Time: Jul 19 05:47:14 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	145772	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	140286	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	65234	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	41239	3.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.00%
7) Chloroethane-d5	1.55	69	30638	3.46	ug/L	-0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.20%
11) 1,1-Dichloroethene-d2	2.12	63	55569	3.17	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.40%
20) 2-Butanone-d5	3.94	46	139344	51.53	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.06%
24) Chloroform-d	4.40	84	98514	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.08	65	53800	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.10	84	199474	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.12	67	60747	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.36	98	171012	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	7.66	79	20163	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.13	63	90763	48.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.44%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	36049	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	71732	5.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.00%

Target Compounds

					Qvalue
5) Vinyl chloride	1.32	62	2793	0.201 ug/L #	63
8) Chloroethane	1.57	64	1126	0.142 ug/L	93
12) 1,1-Dichloroethene	2.13	96	3291	0.424 ug/L #	1
13) Acetone	2.19	43	2691	1.961 ug/L	100
16) Methylene chloride	2.53	84	3574	0.439 ug/L	92
19) 1,1-Dichloroethane	3.23	63	57234	2.779 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	11040	0.982 ug/L	95
25) Chloroform	4.43	83	4330	0.195 ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	108634	6.301 ug/L	98
31) Carbon tetrachloride	4.65	117	13930	0.925 ug/L	96
34) Trichloroethene	5.96	95	2341	0.192 ug/L	89
35) Methylcyclohexane	6.12	83	15301	0.827 ug/L #	16
37) 1,2-Dichloropropane	6.12	63	7734	0.722 ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	1603	0.109 ug/L #	59
44) trans-1,3-Dichloropropene	7.66	75	1164	0.100 ug/L	96
47) Tetrachloroethene	8.02	164	998	0.111 ug/L	87
48) 2-Hexanone	8.19	43	8556	1.856 ug/L #	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071819\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 19 05:34:55 2019
Response via : Initial Calibration

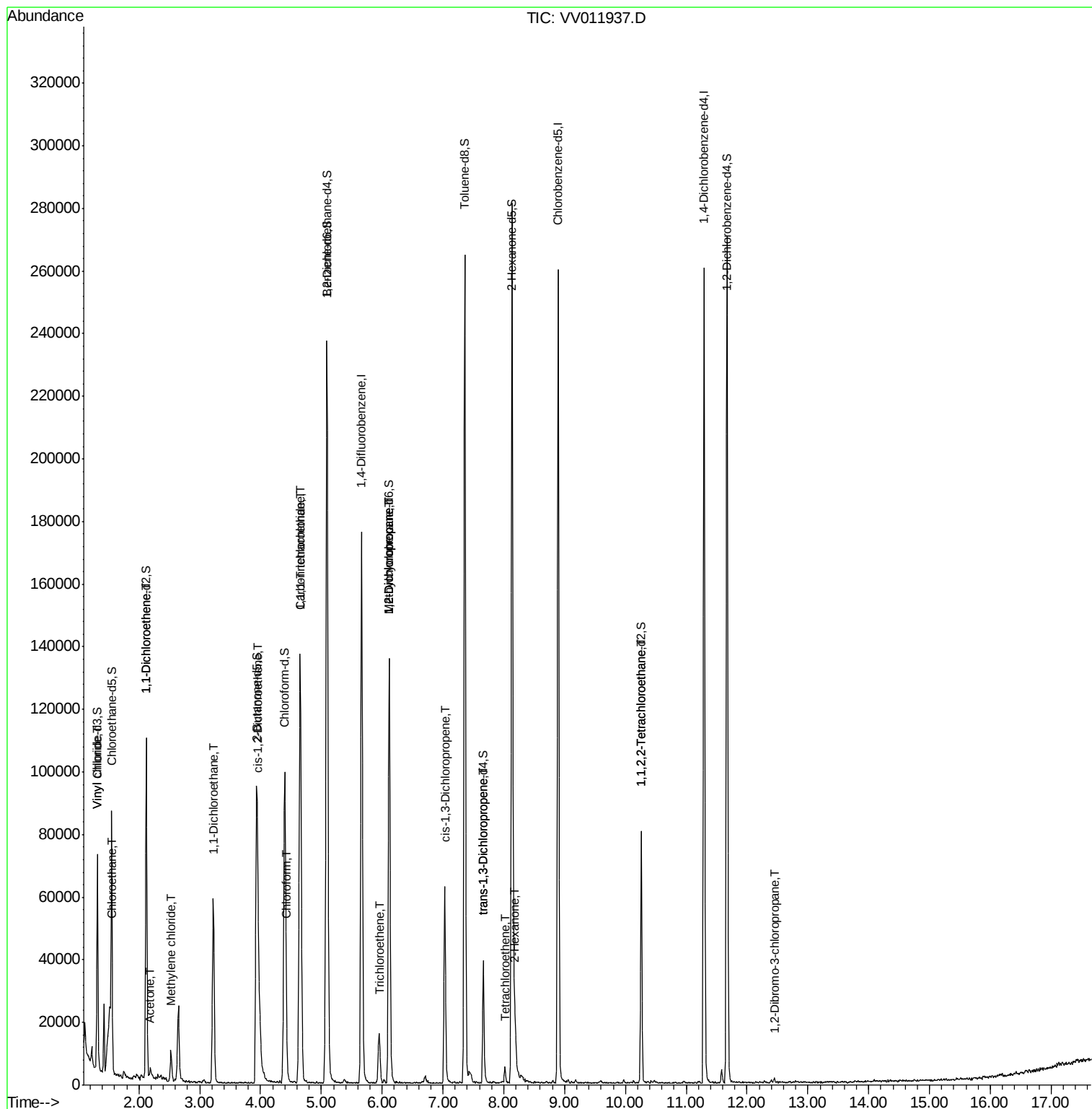
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
58) 1,1,2,2-Tetrachloroethane	10.27	83	490	0.071	ug/L #	55
66) 1,2-Dibromo-3-chloropropan	12.44	75	263	0.235	ug/L #	3

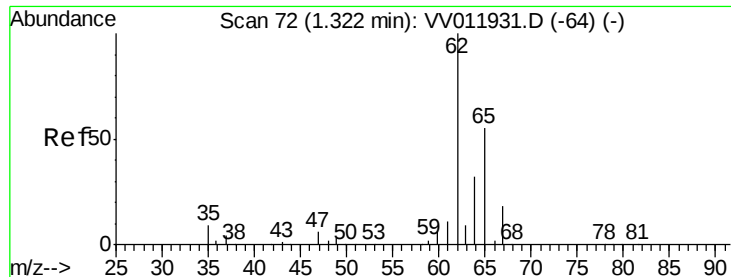
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.201 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011937.D

Acq: 18 Jul 2019 16:40

Instrument :

MSVOA_V

ClientSampleId :

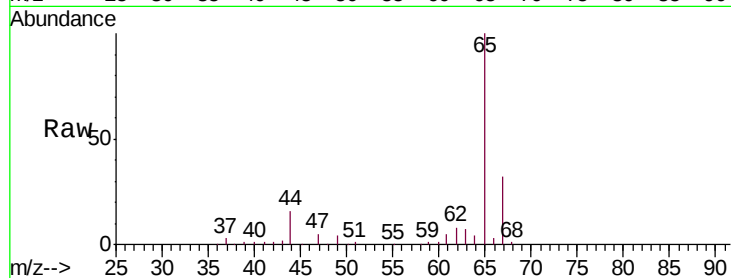
A52K4DL

Tgt Ion: 62 Resp: 2793

Ion Ratio Lower Upper

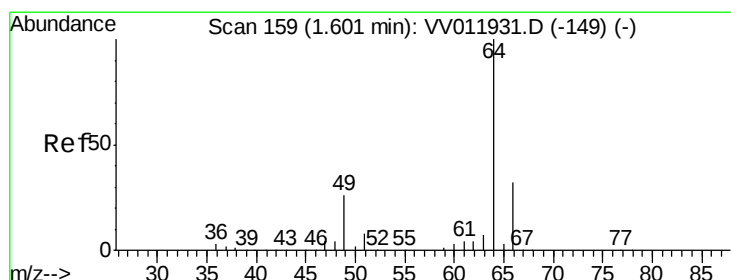
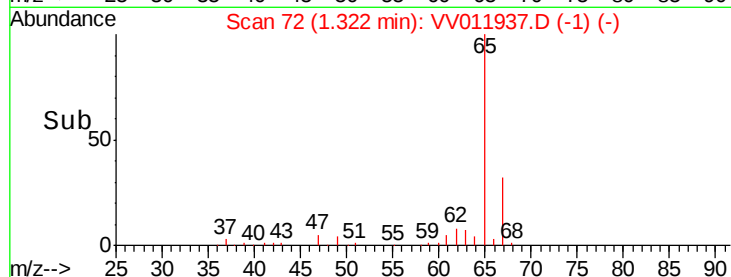
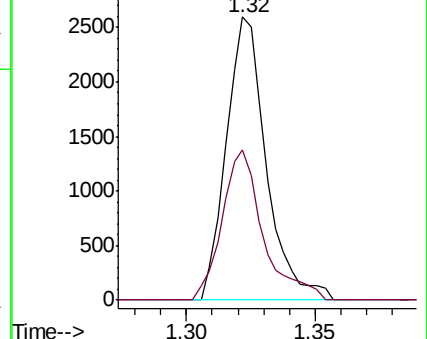
62 100

64 53.3 22.9 42.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#8

Chloroethane

Concen: 0.142 ug/L

RT: 1.57 min Scan# 150

Delta R.T. -0.03 min

Lab File: VV011937.D

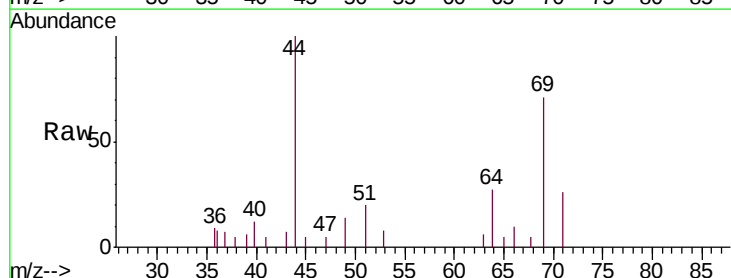
Acq: 18 Jul 2019 16:40

Tgt Ion: 64 Resp: 1126

Ion Ratio Lower Upper

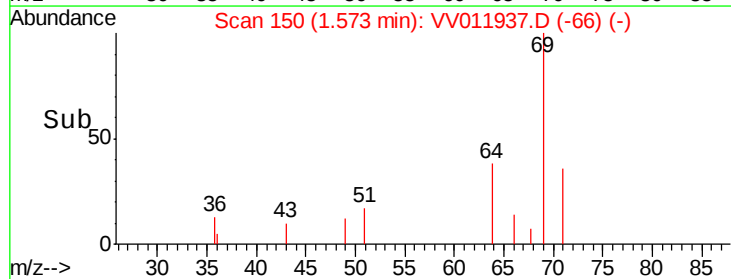
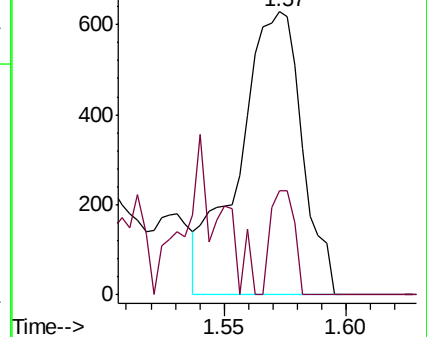
64 100

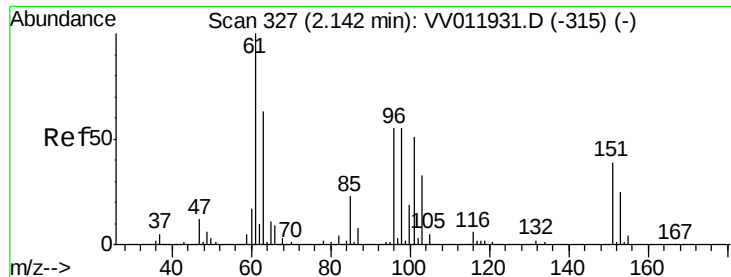
66 36.9 23.2 43.2



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#12

1,1-Dichloroethene

Concen: 0.424 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV011937.D

Acq: 18 Jul 2019 16:40

Instrument :

MSVOA_V

ClientSampleId :

A52K4DL

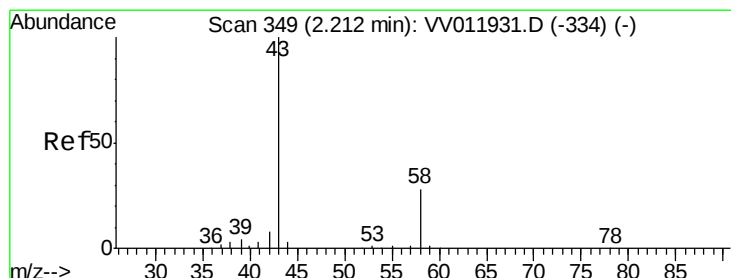
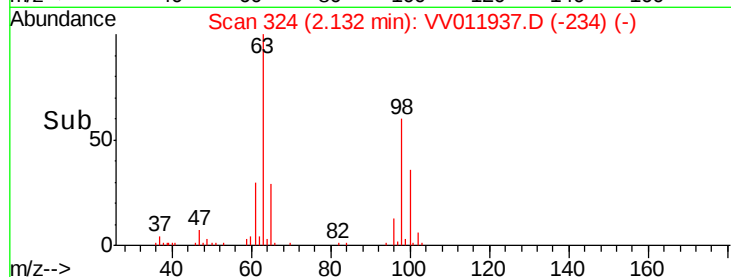
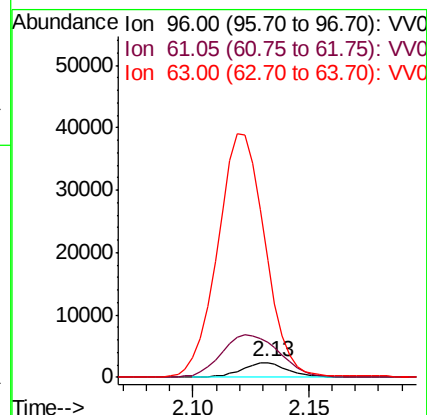
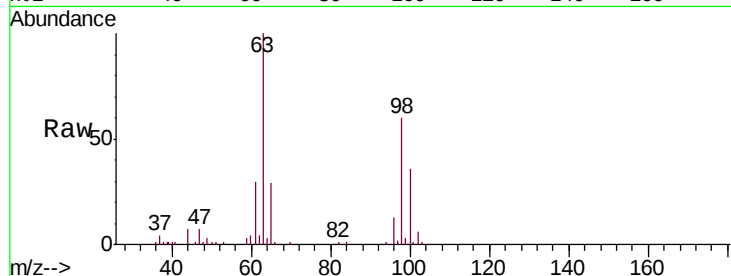
Tgt Ion: 96 Resp: 3291

Ion Ratio Lower Upper

96 100

61 233.5 128.9 239.3

63 790.6 85.5 158.9#



#13

Acetone

Concen: 1.961 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.02 min

Lab File: VV011937.D

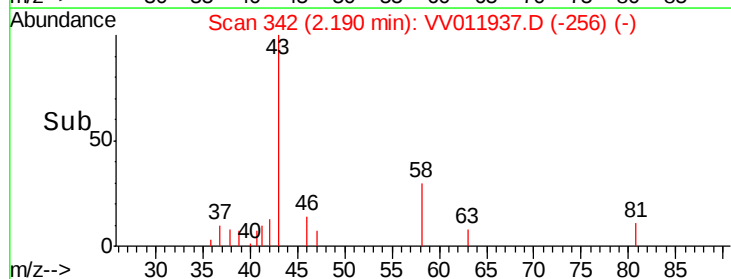
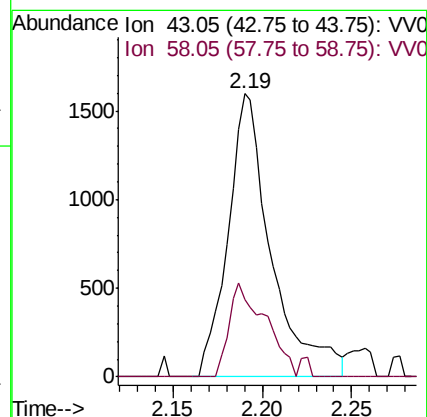
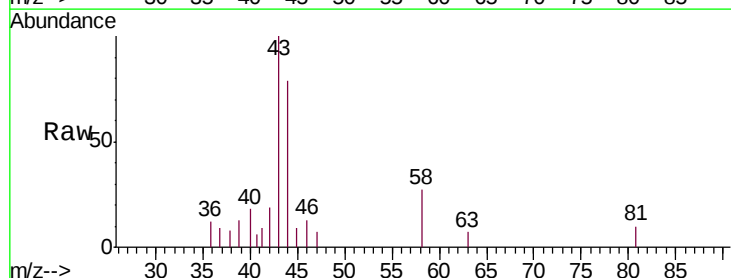
Acq: 18 Jul 2019 16:40

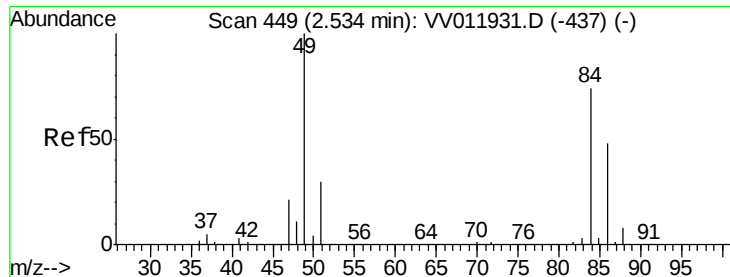
Tgt Ion: 43 Resp: 2691

Ion Ratio Lower Upper

43 100

58 27.7 0.0 55.6

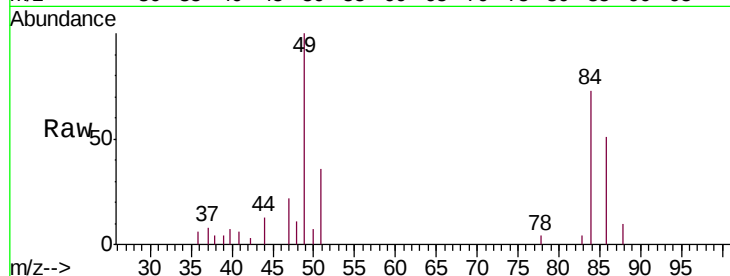




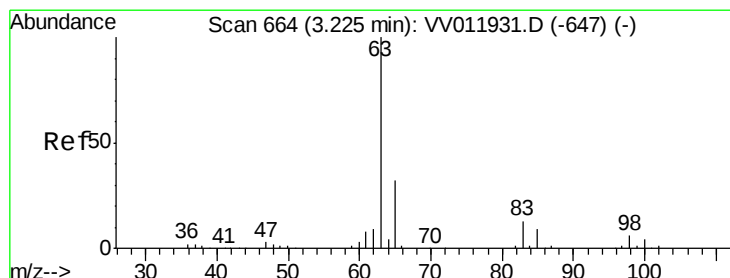
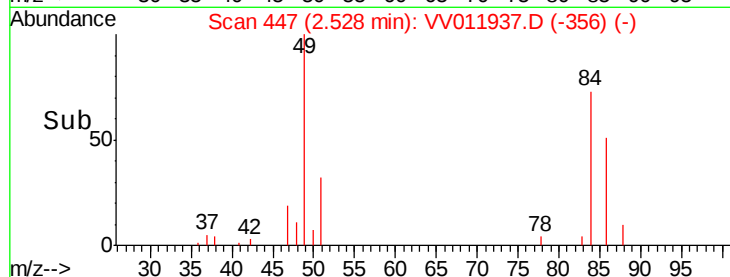
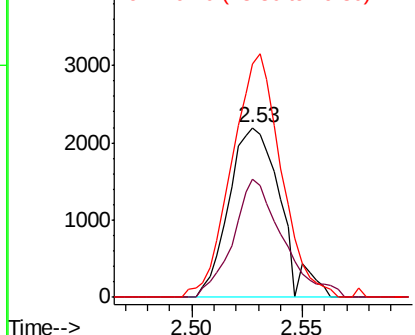
#16
Methylene chloride
Concen: 0.439 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.01 min
Lab File: VV011937.D
Acq: 18 Jul 2019 16:40

Instrument :
MSVOA_V
ClientSampled :
A52K4DL

Tgt Ion: 84 Resp: 3574
Ion Ratio Lower Upper
84 100
86 70.0 44.8 83.2
49 137.9 90.4 168.0

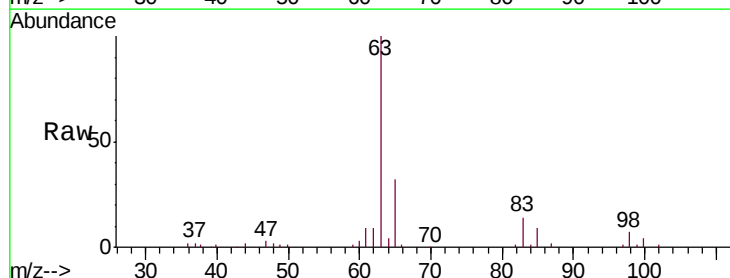


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

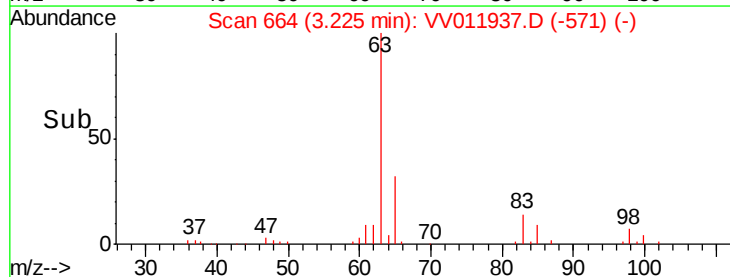
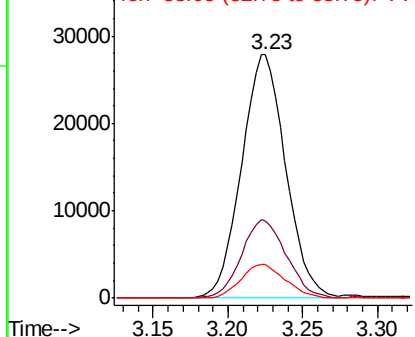


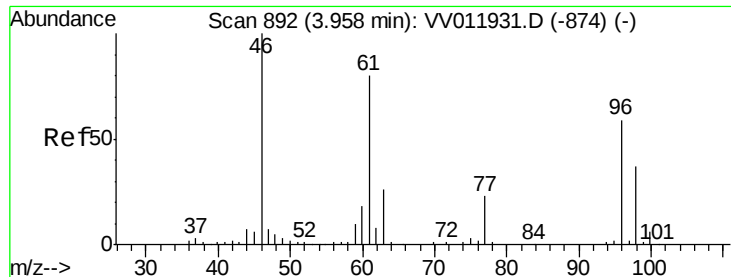
#19
1,1-Dichloroethane
Concen: 2.779 ug/L
RT: 3.23 min Scan# 664
Delta R.T. 0.00 min
Lab File: VV011937.D
Acq: 18 Jul 2019 16:40

Tgt Ion: 63 Resp: 57234
Ion Ratio Lower Upper
63 100
65 31.8 22.7 42.3
83 13.6 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



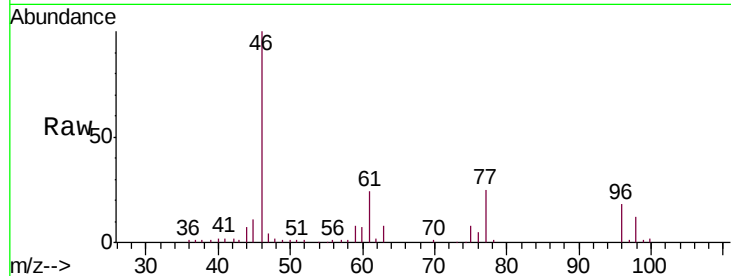


#22

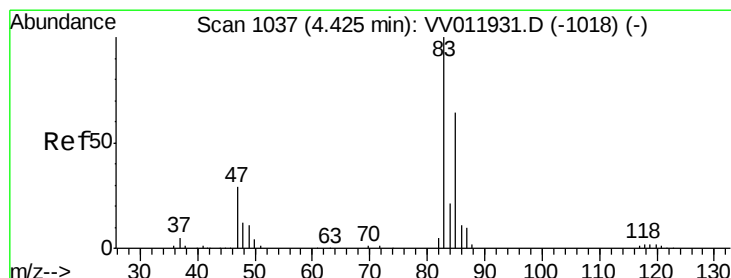
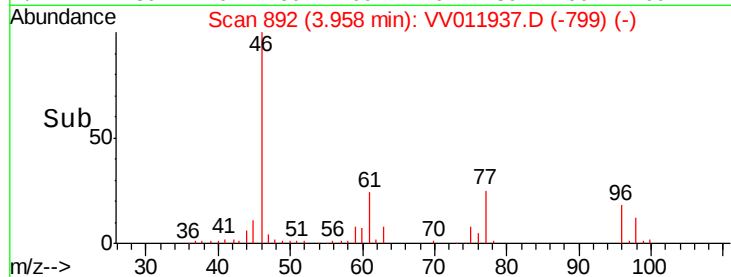
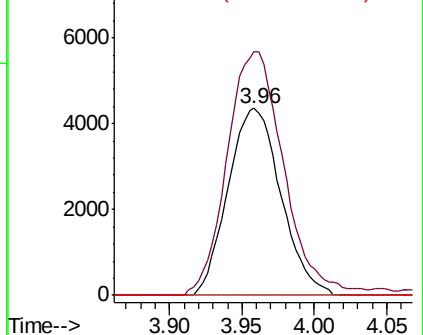
cis-1,2-Dichloroethene
 Concen: 0.982 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV011937.D
 Acq: 18 Jul 2019 16:40

Instrument :
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 A52K4DL

Tgt Ion: 96 Resp: 11040
 Ion Ratio Lower Upper
 96 100
 61 130.2 95.2 176.8
 68 0.0 0.0 0.0



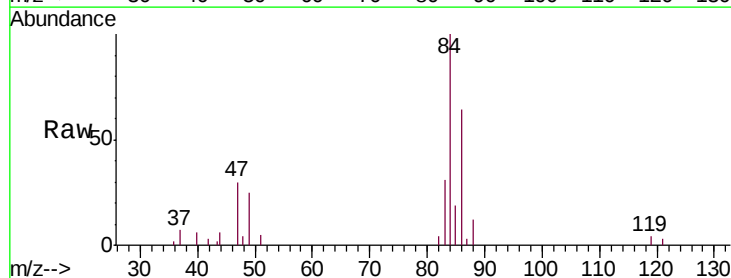
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



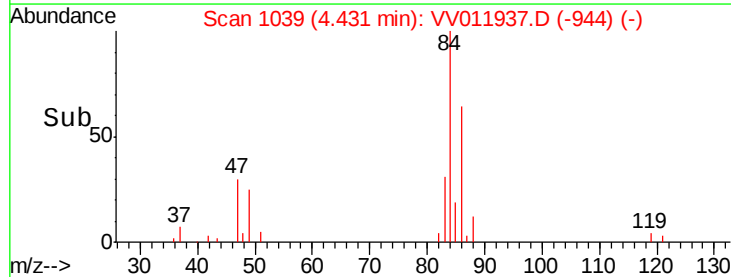
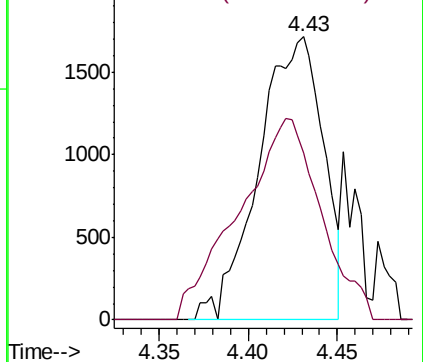
#25

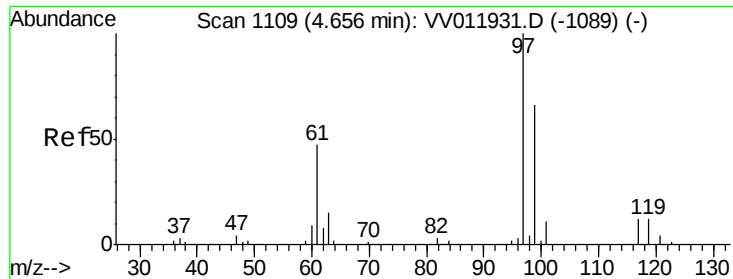
Chloroform
 Concen: 0.195 ug/L
 RT: 4.43 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: VV011937.D
 Acq: 18 Jul 2019 16:40

Tgt Ion: 83 Resp: 4330
 Ion Ratio Lower Upper
 83 100
 85 59.0 42.5 78.9



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

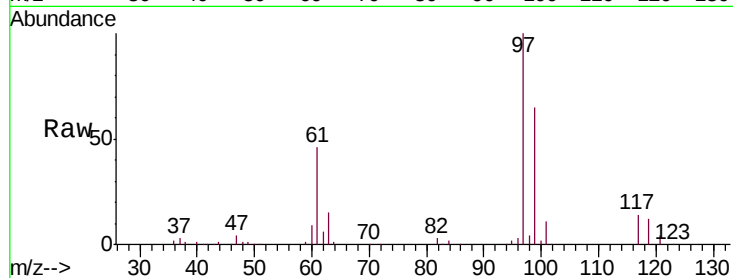




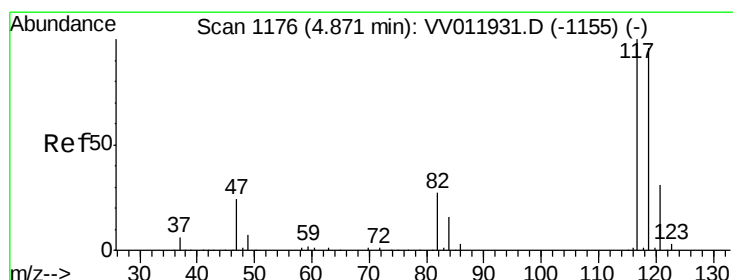
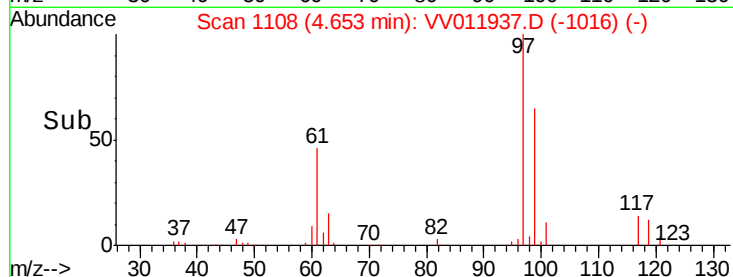
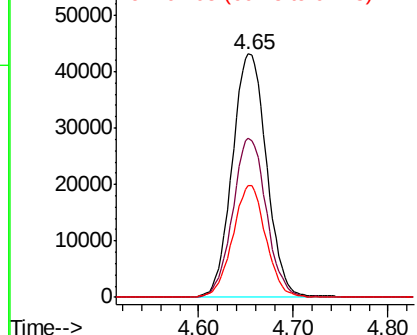
#29
1,1,1-Trichloroethane
Concen: 6.301 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VV011937.D
Acq: 18 Jul 2019 16:40

Instrument :
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ClientSampled :
A52K4DL

Tgt Ion: 97 Resp: 108634
Ion Ratio Lower Upper
97 100
99 64.0 51.1 76.7
61 44.4 38.6 57.8

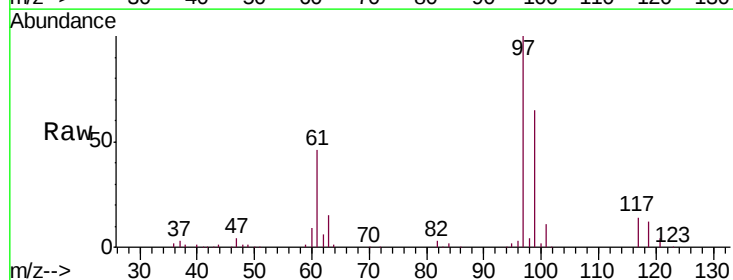


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

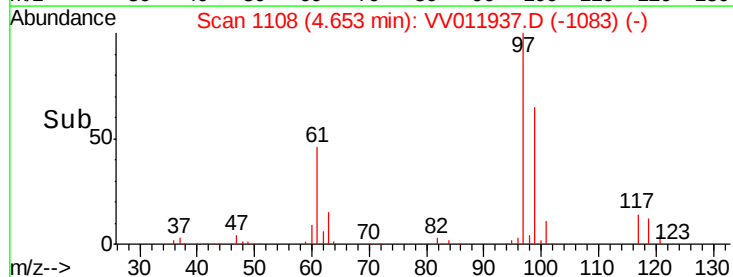
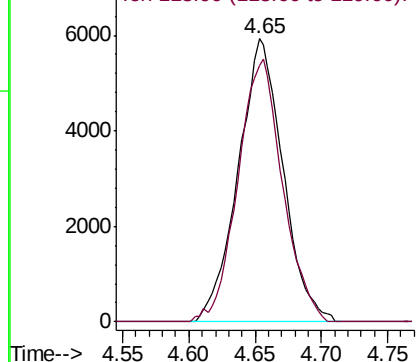


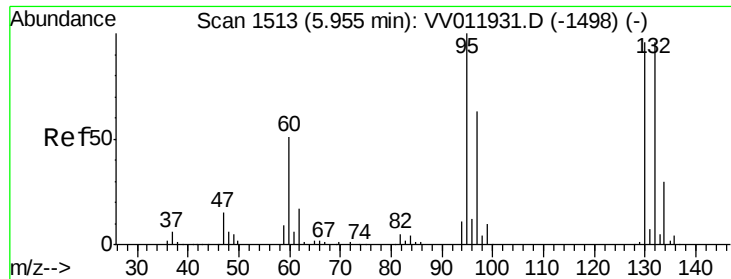
#31
Carbon tetrachloride
Concen: 0.925 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.22 min
Lab File: VV011937.D
Acq: 18 Jul 2019 16:40

Tgt Ion: 117 Resp: 13930
Ion Ratio Lower Upper
117 100
119 92.6 77.4 116.2



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V





#34

Trichloroethene

Concen: 0.192 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.01 min

Lab File: VV011937.D

Acq: 18 Jul 2019 16:40

Instrument :

MSVOA_V

ClientSampleId :

A52K4DL

Tgt Ion: 95 Resp: 2341

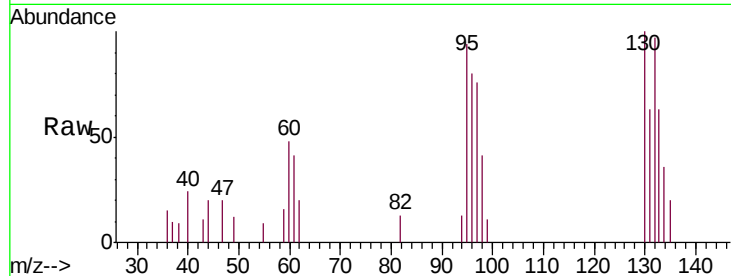
Ion Ratio Lower Upper

95 100

97 80.9 44.0 81.6

132 102.9 67.0 124.4

130 106.5 69.1 128.3

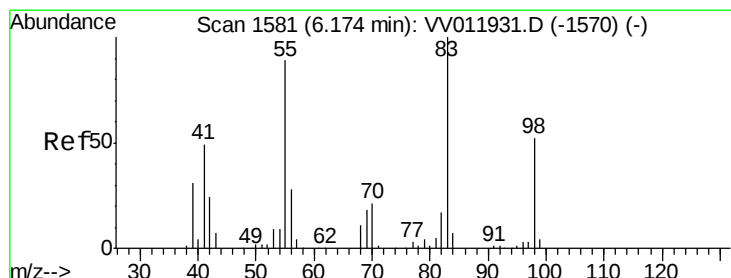
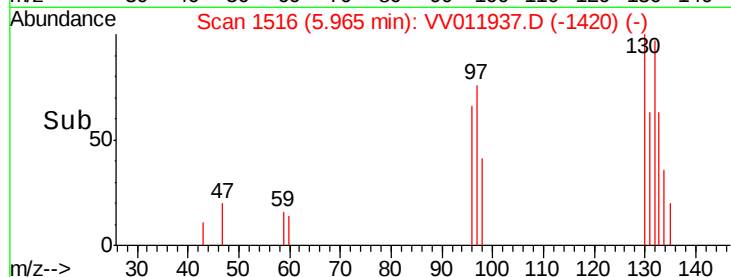
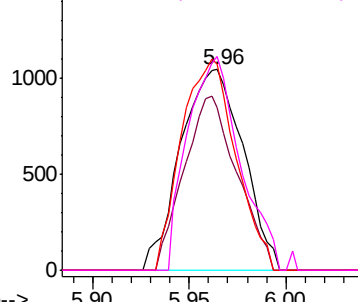


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.827 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV011937.D

Acq: 18 Jul 2019 16:40

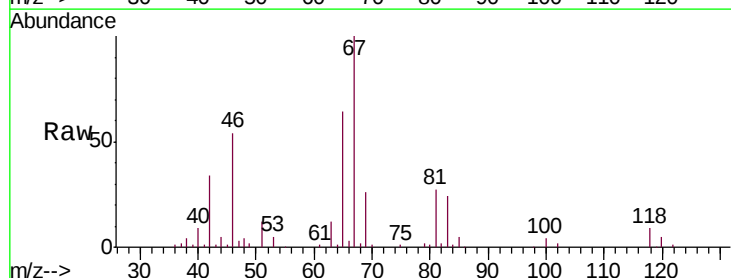
Tgt Ion: 83 Resp: 15301

Ion Ratio Lower Upper

83 100

55 0.1 66.7 100.1#

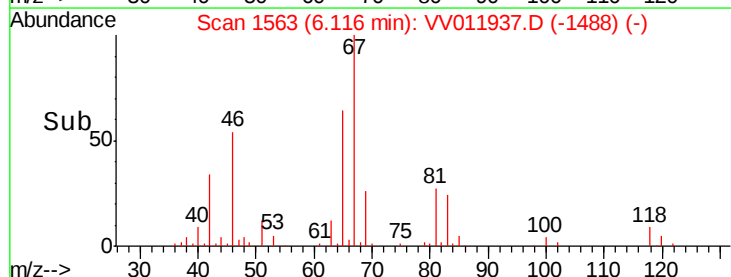
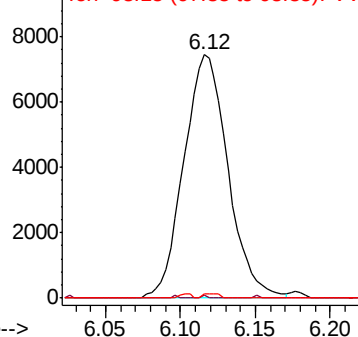
98 0.7 39.0 58.4#

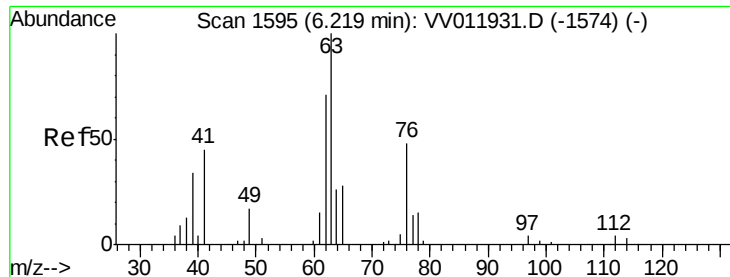


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

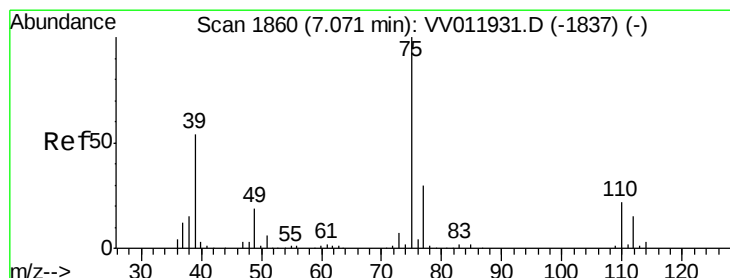
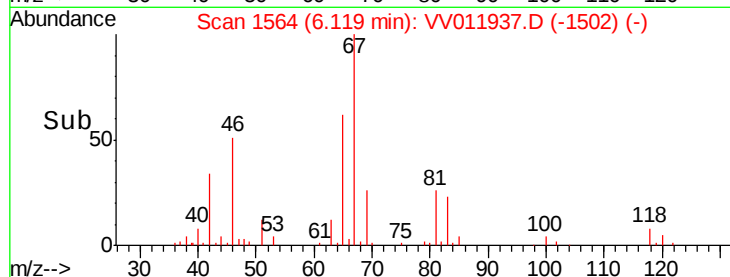
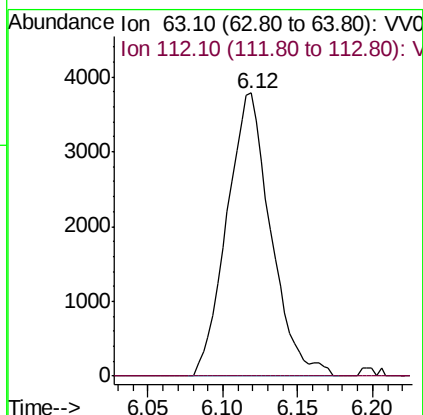
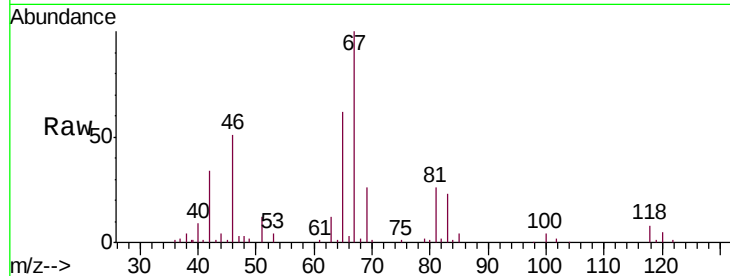




#37
 1,2-Dichloropropane
 Concen: 0.722 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV011937.D
 Acq: 18 Jul 2019 16:40

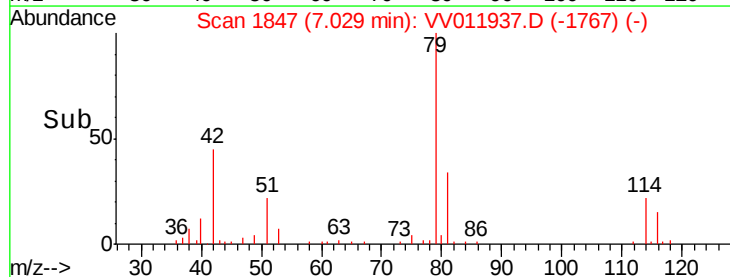
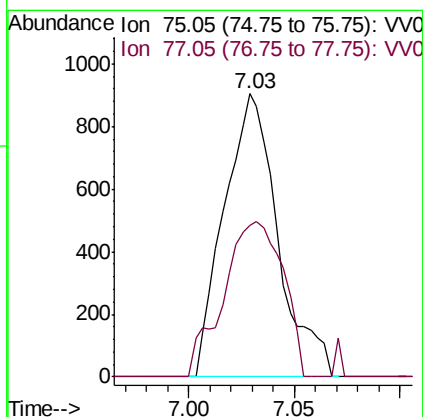
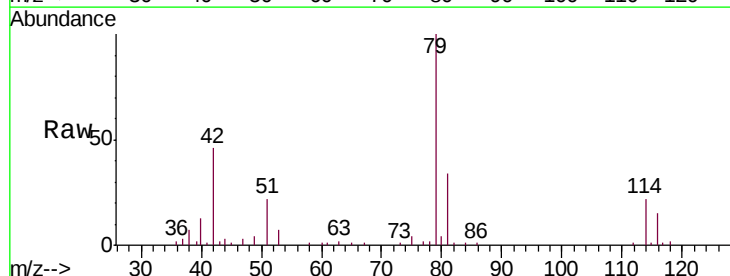
Instrument :
 MSVOA_V
 ClientSampleId :
 A52K4DL

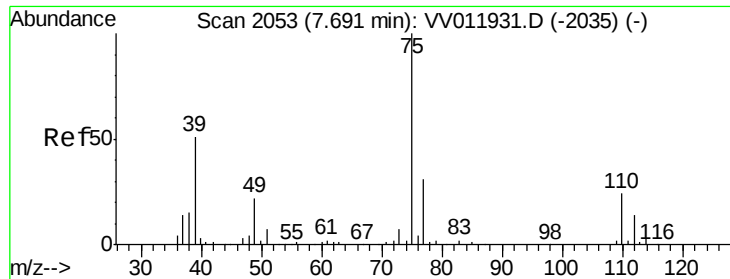
Tgt Ion: 63 Resp: 7734
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.109 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV011937.D
 Acq: 18 Jul 2019 16:40

Tgt Ion: 75 Resp: 1603
 Ion Ratio Lower Upper
 75 100
 77 53.7 21.6 40.2#





#44

trans-1,3-Dichloropropene

Concen: 0.100 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV011937.D

Acq: 18 Jul 2019 16:40

Instrument :

MSVOA_V

ClientSampleId :

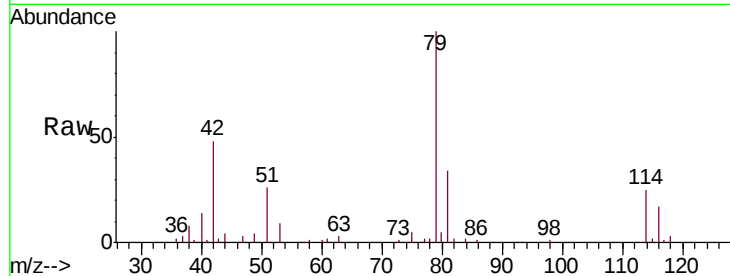
A52K4DL

Tgt Ion: 75 Resp: 1164

Ion Ratio Lower Upper

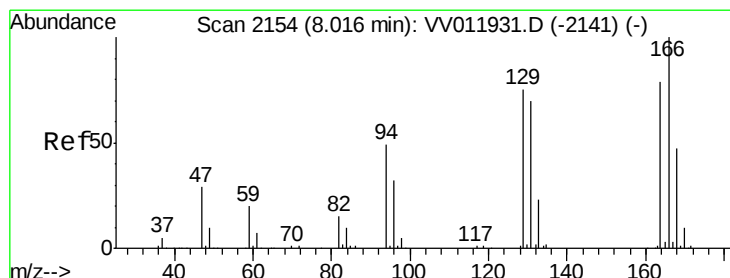
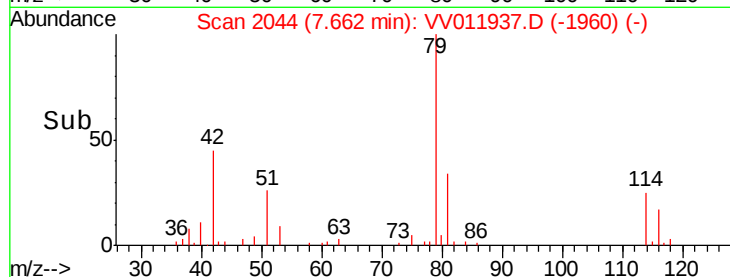
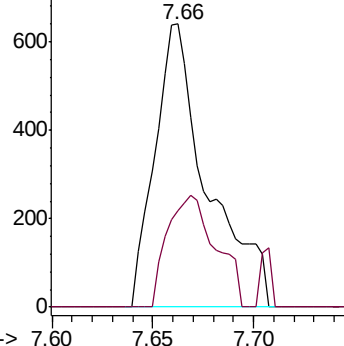
75 100

77 34.2 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#47

Tetrachloroethene

Concen: 0.111 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV011937.D

Acq: 18 Jul 2019 16:40

Tgt Ion:164 Resp: 998

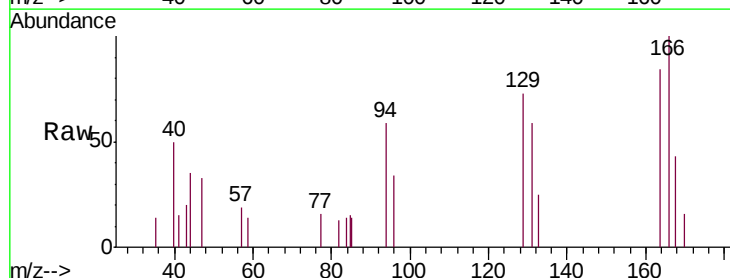
Ion Ratio Lower Upper

164 100

129 87.4 68.6 127.4

131 70.0 64.6 120.0

166 119.5 89.7 166.7

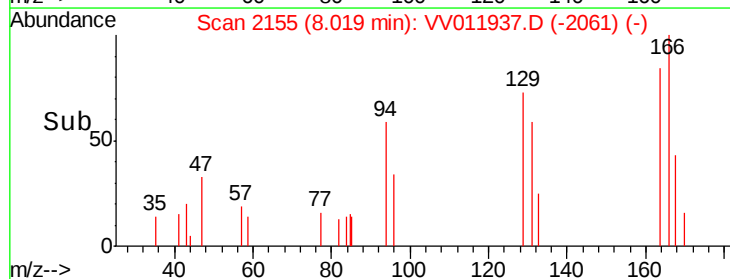
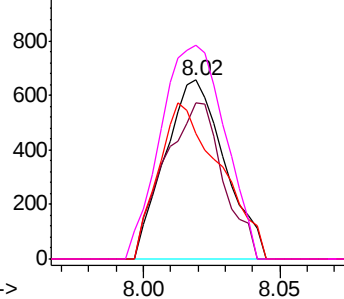


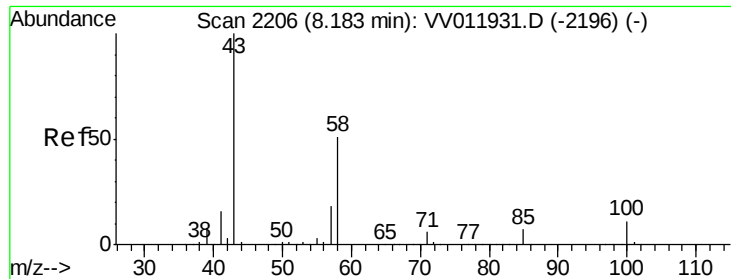
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

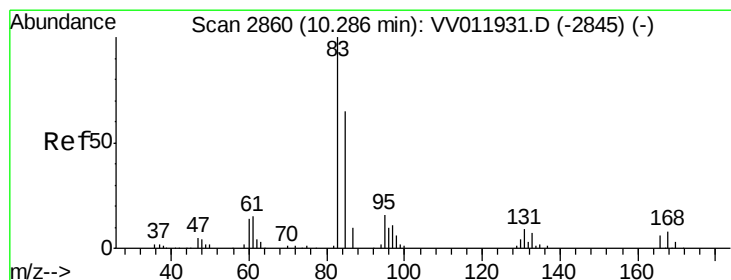
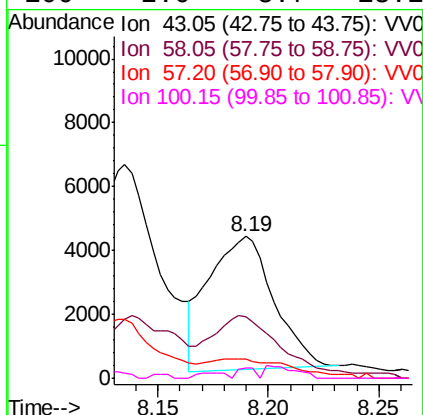
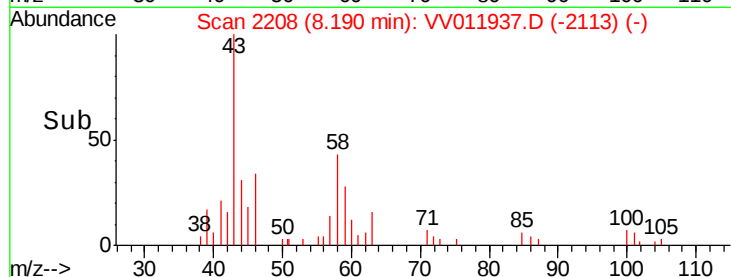
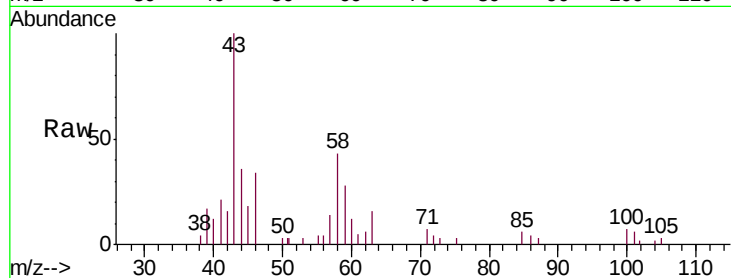




#48
 2-Hexanone
 Concen: 1.856 ug/L
 RT: 8.19 min Scan# 2208
 Delta R.T. 0.01 min
 Lab File: VV011937.D
 Acq: 18 Jul 2019 16:40

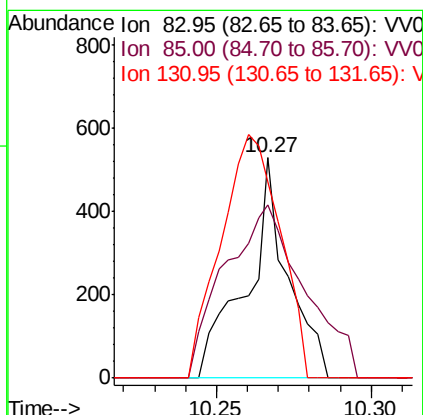
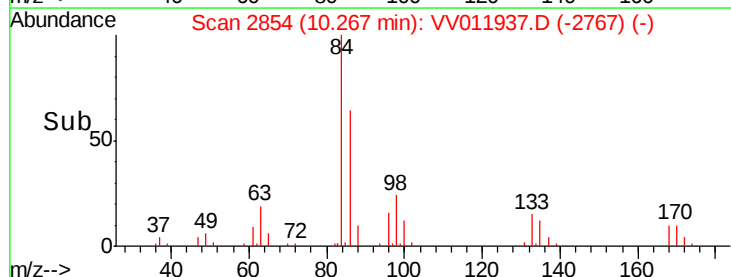
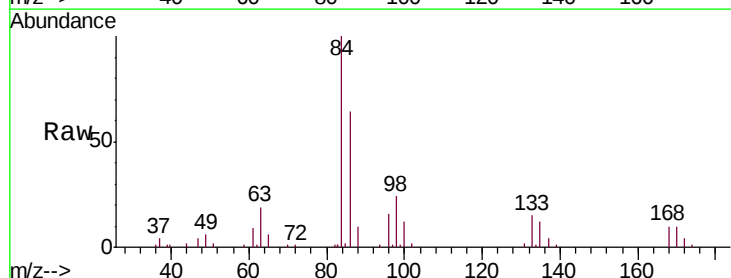
Instrument :
 MSVOA_V
 ClientSampleID :
 A52K4DL

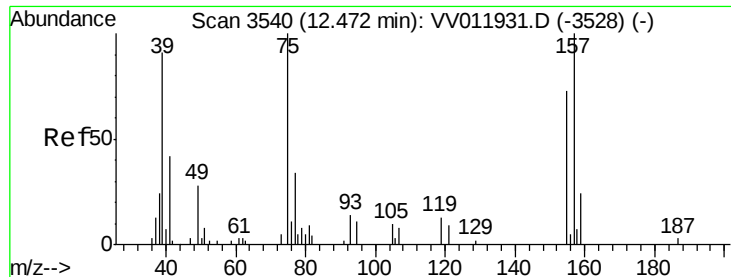
Tgt Ion: 43 Resp: 8556
 Ion Ratio Lower Upper
 43 100
 58 50.1 41.1 61.7
 57 19.1 14.3 21.5
 100 2.0 8.7 13.1#



#58
 1,1,2,2-Tetrachloroethane
 Concen: 0.071 ug/L
 RT: 10.27 min Scan# 2854
 Delta R.T. -0.02 min
 Lab File: VV011937.D
 Acq: 18 Jul 2019 16:40

Tgt Ion: 83 Resp: 490
 Ion Ratio Lower Upper
 83 100
 85 78.4 44.9 83.3
 131 89.0 8.2 12.2#





#66

1,2-Dibromo-3-chloropropane

Concen: 0.235 ug/L

RT: 12.44 min Scan# 3531

Delta R.T. -0.03 min

Lab File: VV011937.D

Acq: 18 Jul 2019 16:40

Instrument :

MSVOA_V

ClientSampleId :

A52K4DL

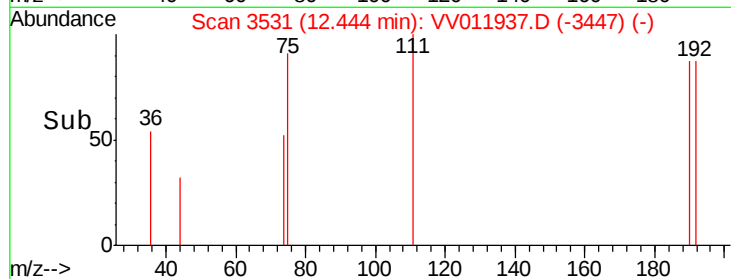
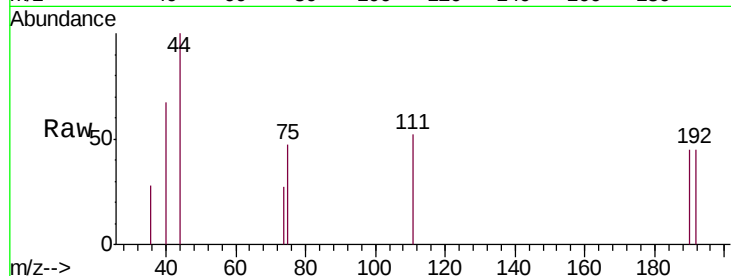
Tgt Ion: 75 Resp: 263

Ion Ratio Lower Upper

75 100

155 0.0 59.4 89.0#

157 0.0 85.5 128.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

