

Data File : VV008939.D
Acq On : 14 Dec 2018 19:05
Operator : SY/MD
Sample : J6369-05
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COL61

Quant Time: Dec 14 23:45:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121318WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 14 23:39:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	209866	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	191687	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	81722	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	52481	42.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.64%
7) Chloroethane-d5	1.56	69	40953	53.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.20%
11) 1,1-Dichloroethene-d2	2.13	63	129343	44.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.38%
21) 2-Butanone-d5	3.93	46	92015	112.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.45%
24) Chloroform-d	4.40	84	125574	48.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.04%
26) 1,2-Dichloroethane-d4	5.08	65	84709	50.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.72%
32) Benzene-d6	5.10	84	258465	50.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.08%
36) 1,2-Dichloropropane-d6	6.12	67	78295	50.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.88%
41) Toluene-d8	7.36	98	236680	48.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.62%
43) trans-1,3-Dichloropropene-	7.67	79	38857	49.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.72%
47) 2-Hexanone-d5	8.14	63	59637	103.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.81%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	95822	47.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.62%
64) 1,2-Dichlorobenzene-d4	11.68	152	86926	51.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.14%

Target Compounds

					Qvalue	
8) Chloroethane	1.32	64	1088	1.651	ug/L #	1
9) Trichlorofluoromethane	2.13	101	1129	0.482	ug/L #	29
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1157	0.808	ug/L #	18
13) Acetone	2.19	43	2600	2.113	ug/L	86
16) Methylene chloride	2.54	84	639	0.440	ug/L	93
19) 1,1-Dichloroethane	3.23	63	2900	1.246	ug/L	94
20) cis-1,2-Dichloroethene	3.96	96	44420	29.361	ug/L	93
30) 1,1,1-Trichloroethane	4.66	97	55091	23.455	ug/L	99
31) Carbon tetrachloride	4.66	117	7230	3.409	ug/L	97
34) Trichloroethene	5.96	95	626163	410.505	ug/L	99
35) Methylcyclohexane	6.12	83	20197	8.929	ug/L #	20
37) 1,2-Dichloropropane	6.12	63	8881	6.501	ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	2436	1.118	ug/L #	63
44) trans-1,3-Dichloropropene	7.66	75	1770	0.872	ug/L #	81
45) 1,1,2-Trichloroethane	7.89	97	628	0.454	ug/L #	87
48) 2-Hexanone	8.14	43	6751	5.136	ug/L #	65
59) 1,2,3-Trichloropropane	11.30	75	8693	5.053	ug/L #	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121418\
Quantitation Report (Not Reviewed)

Data File : VV008939.D
Acq On : 14 Dec 2018 19:05
Operator : SY/MD
Sample : J6369-05
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

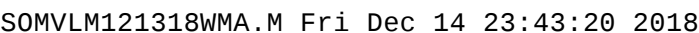
Instrument :
MSVOA_V
ClientSampleId :
COL61

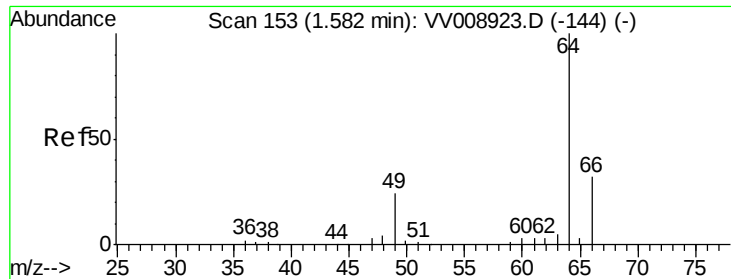
Quant Time: Dec 14 23:45:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121318WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 14 23:39:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Dec 14 23:45:25 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121318WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 14 23:39:04 2018
Response via : Initial Calibration

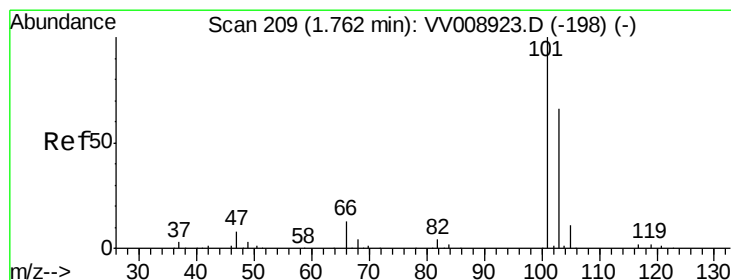
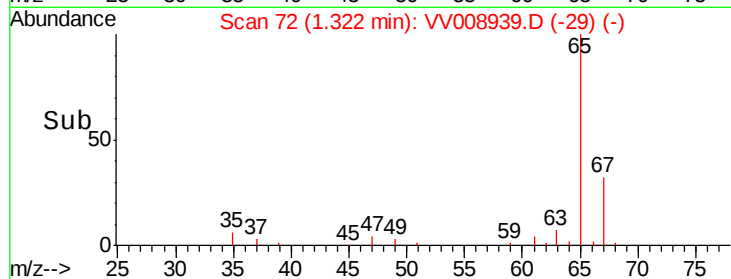
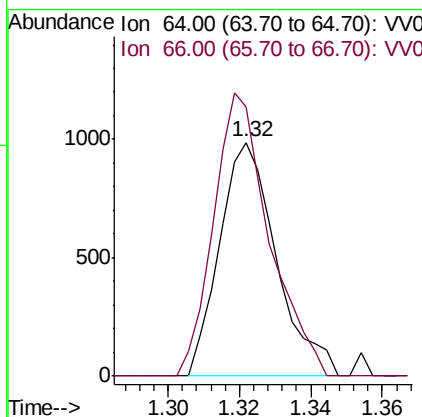
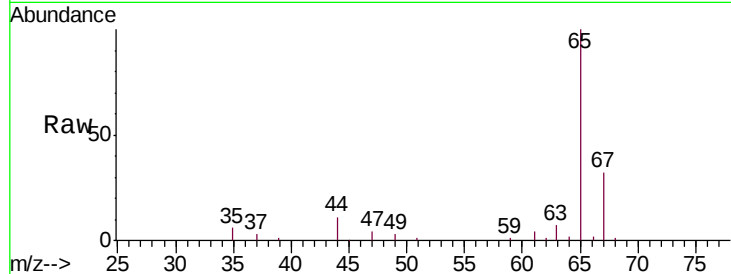




#8
 Chloroethane
 Concen: 1.651 ug/L
 RT: 1.32 min Scan# 72
 Delta R.T. -0.26 min
 Lab File: VV008939.D
 Acq: 14 Dec 2018 19:05

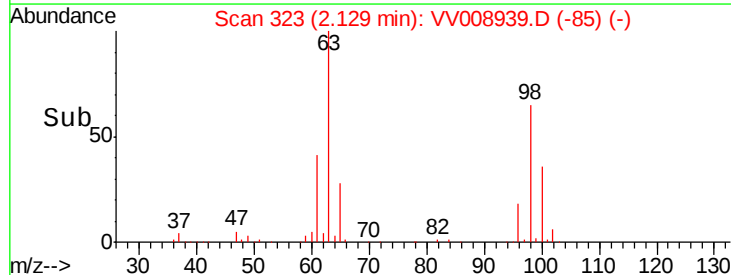
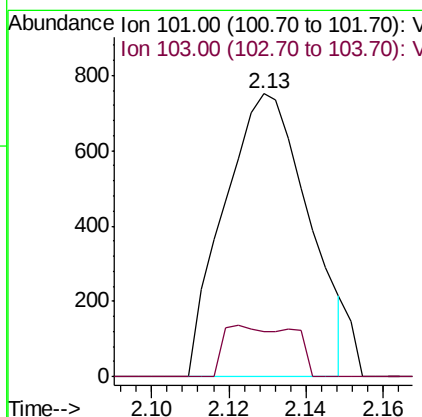
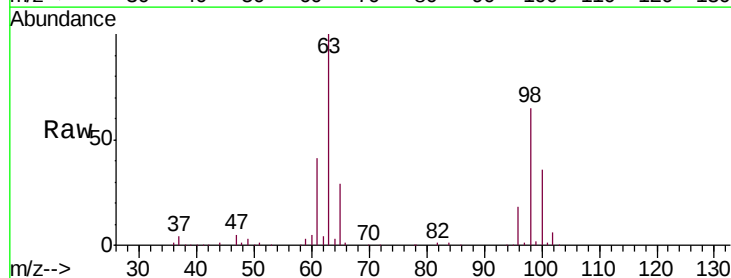
Instrument :
 MSVOA_V
 ClientSampleId :
 COL61

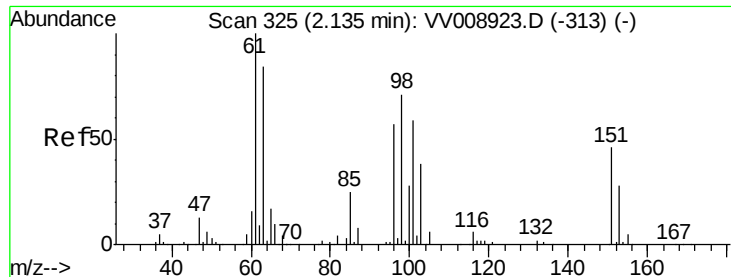
Tgt Ion: 64 Resp: 1088
 Ion Ratio Lower Upper
 64 100
 66 115.3 21.8 40.4#



#9
 Trichlorofluoromethane
 Concen: 0.482 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. 0.37 min
 Lab File: VV008939.D
 Acq: 14 Dec 2018 19:05

Tgt Ion: 101 Resp: 1129
 Ion Ratio Lower Upper
 101 100
 103 8.7 51.5 77.3#





#10

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

Concen: 0.808 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV008939.D

Acq: 14 Dec 2018 19:05

Instrument :

MSVOA_V

ClientSampleId :

COL61

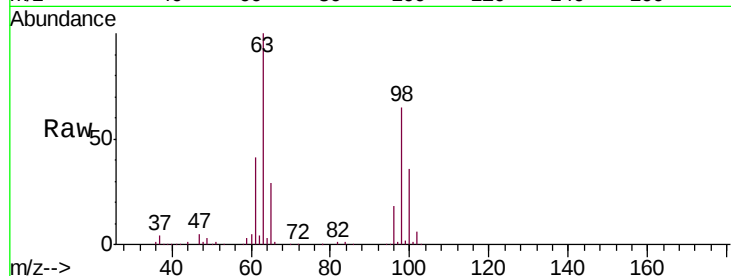
Tgt Ion: 101 Resp: 1157

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

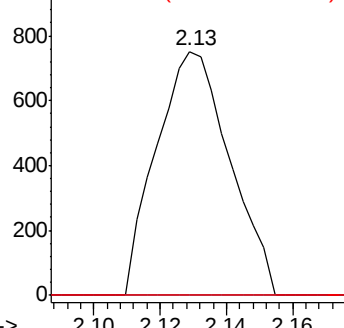
151 0.0 63.8 95.8#



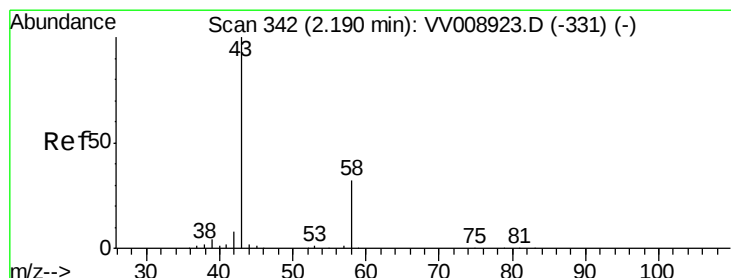
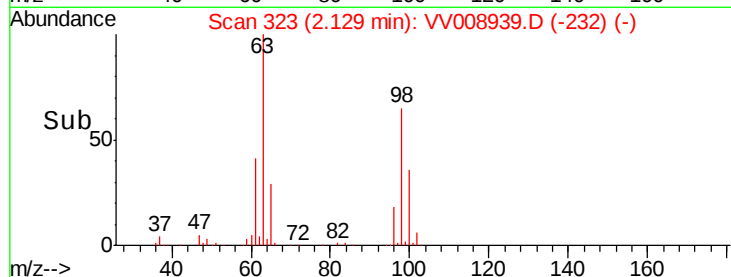
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



Time-->



#13

Acetone

Concen: 2.113 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008939.D

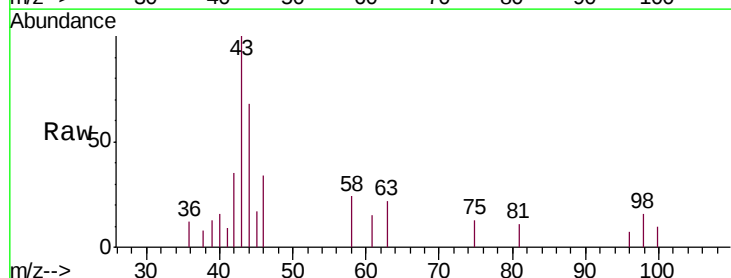
Acq: 14 Dec 2018 19:05

Tgt Ion: 43 Resp: 2600

Ion Ratio Lower Upper

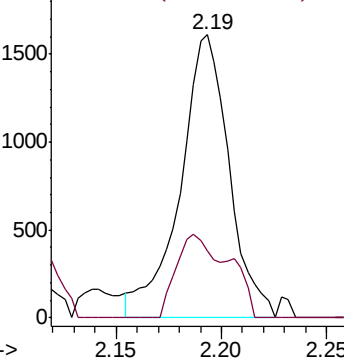
43 100

58 23.2 0.0 61.8

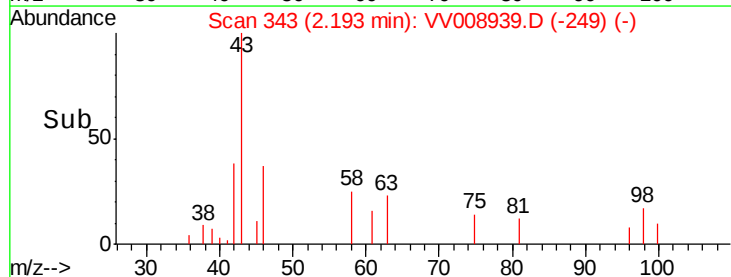


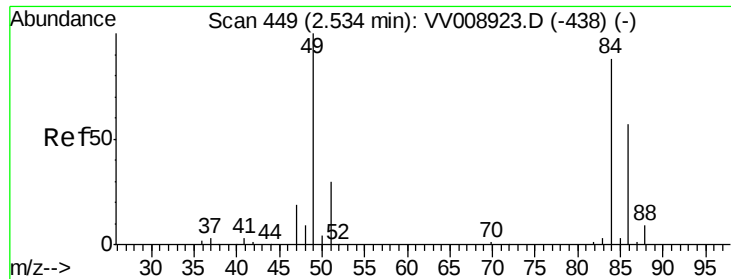
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



Time-->

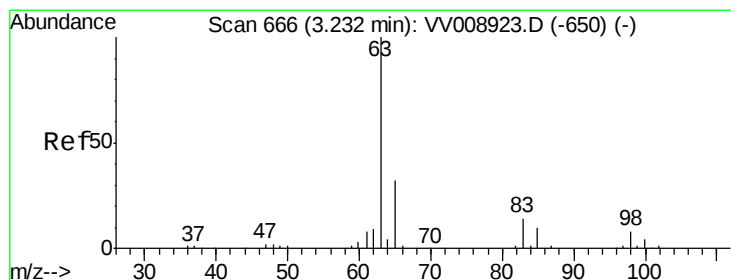
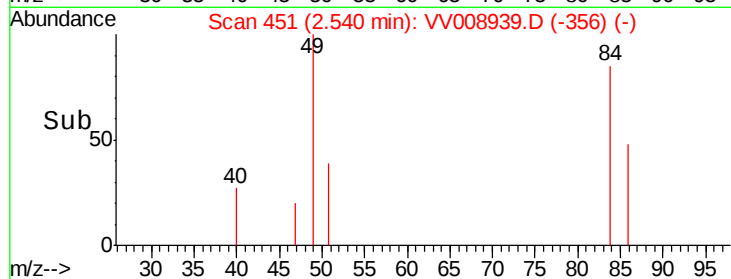
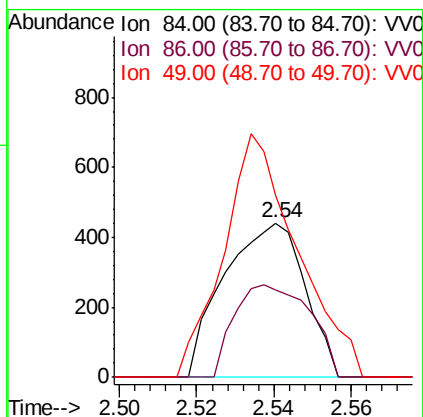
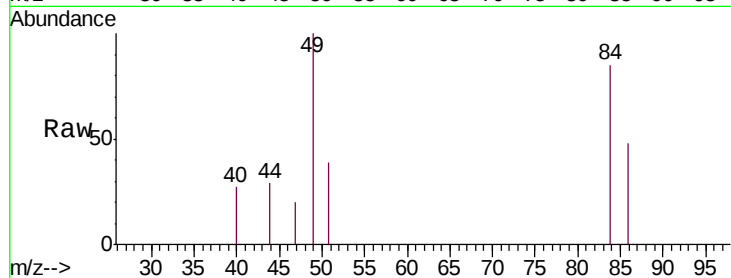




#16
Methylene chloride
Concen: 0.440 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.01 min
Lab File: VV008939.D
Acq: 14 Dec 2018 19:05

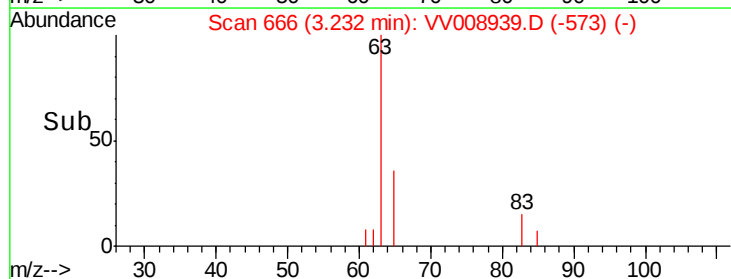
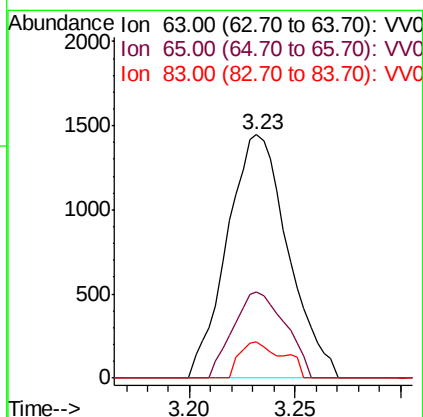
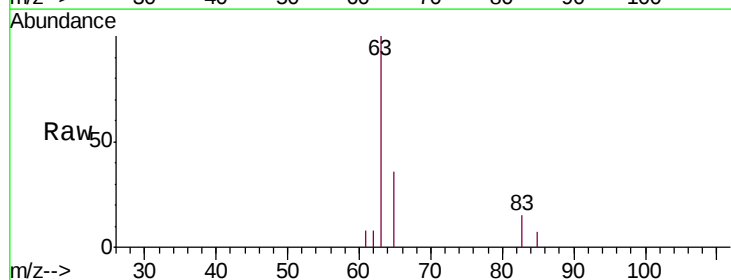
Instrument :
MSVOA_V
ClientSampled :
COL61

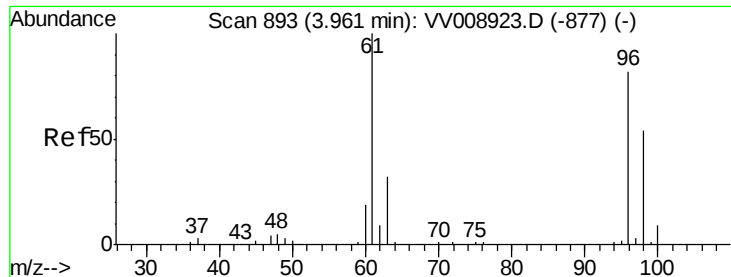
Tgt Ion: 84 Resp: 639
Ion Ratio Lower Upper
84 100
86 56.5 44.2 82.0
49 117.9 77.4 143.8



#19
1,1-Dichloroethane
Concen: 1.246 ug/L
RT: 3.23 min Scan# 666
Delta R.T. 0.00 min
Lab File: VV008939.D
Acq: 14 Dec 2018 19:05

Tgt Ion: 63 Resp: 2900
Ion Ratio Lower Upper
63 100
65 35.7 21.8 40.6
83 14.7 9.7 18.1

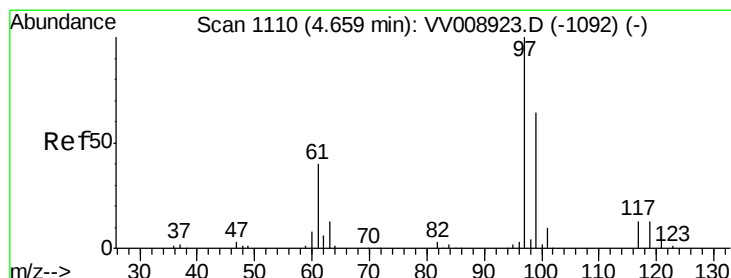
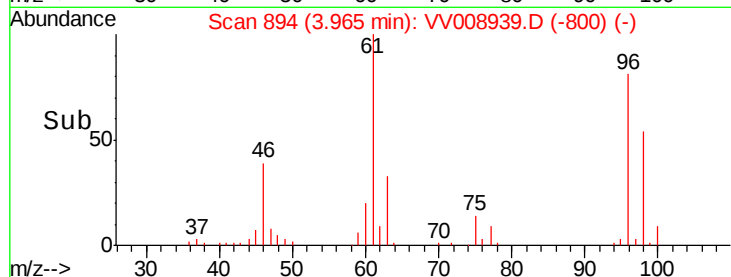
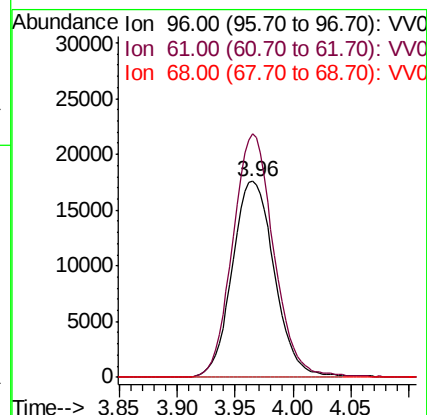
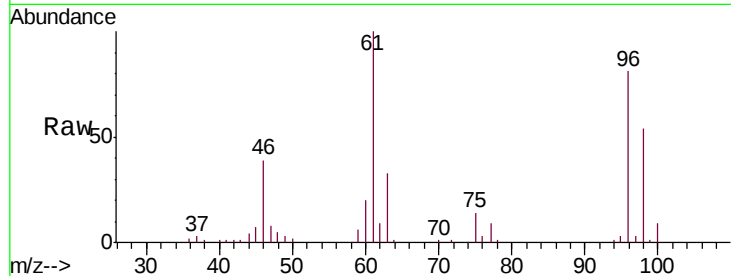




#20
 cis-1,2-Dichloroethene
 Concen: 29.361 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV008939.D
 Acq: 14 Dec 2018 19:05

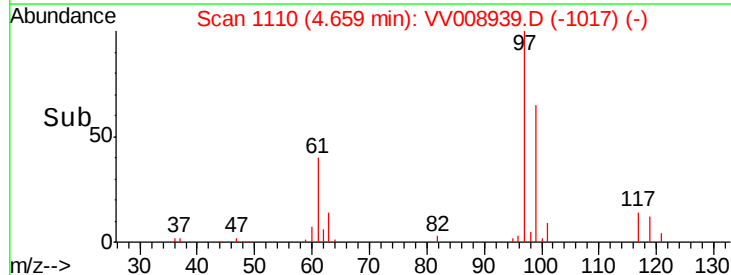
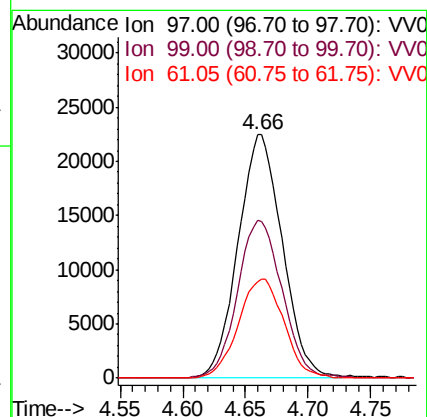
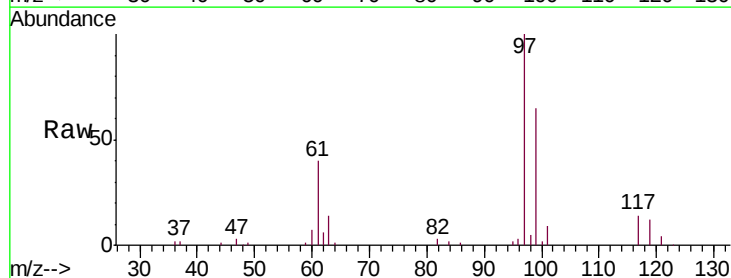
Instrument :
 MSVOA_V
 ClientSampleId :
 COL61

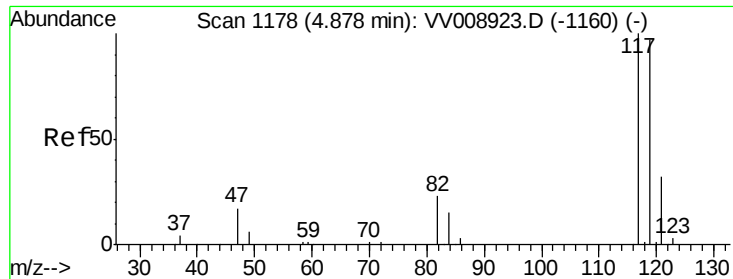
Tgt Ion: 96 Resp: 44420
 Ion Ratio Lower Upper
 96 100
 61 124.2 81.9 152.1
 68 0.0 0.0 0.0



#30
 1,1,1-Trichloroethane
 Concen: 23.455 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV008939.D
 Acq: 14 Dec 2018 19:05

Tgt Ion: 97 Resp: 55091
 Ion Ratio Lower Upper
 97 100
 99 65.4 51.7 77.5
 61 41.9 32.5 48.7





#31

Carbon tetrachloride

Concen: 3.409 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. -0.22 min

Lab File: VV008939.D

Acq: 14 Dec 2018 19:05

Instrument :

MSVOA_V

ClientSampleId :

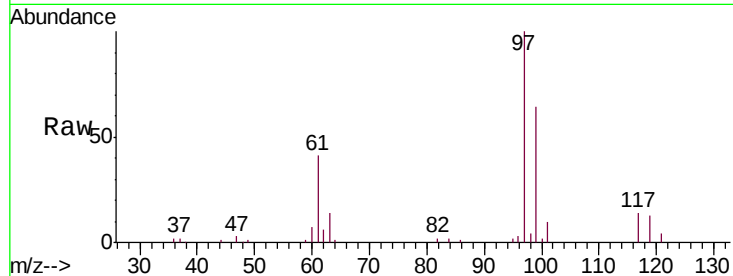
COL61

Tgt Ion: 117 Resp: 7230

Ion Ratio Lower Upper

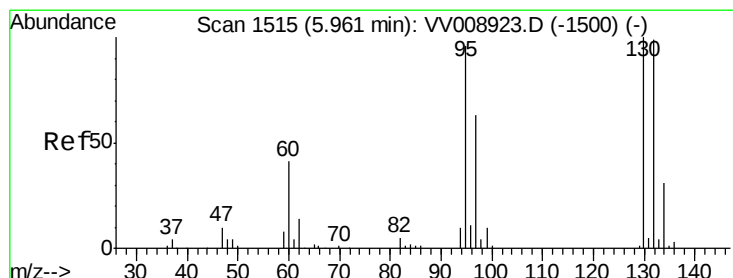
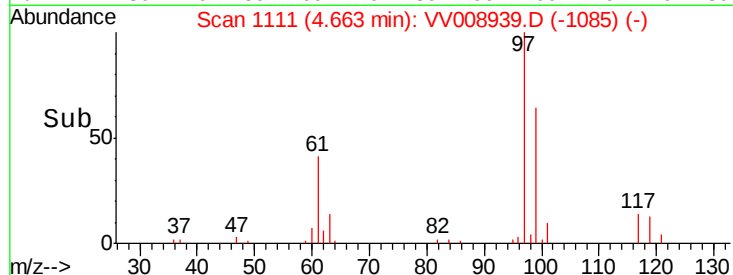
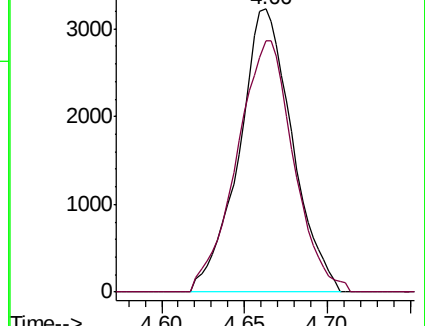
117 100

119 94.5 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Trichloroethene

Concen: 410.505 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008939.D

Acq: 14 Dec 2018 19:05

Tgt Ion: 95 Resp: 626163

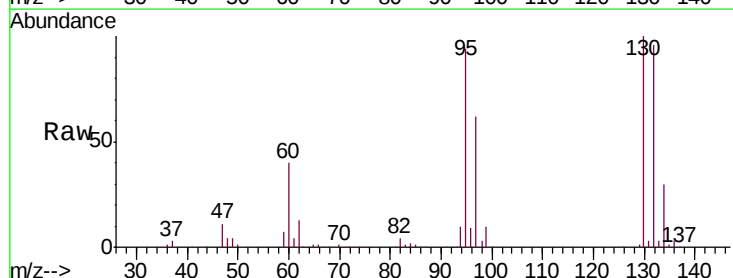
Ion Ratio Lower Upper

95 100

97 65.2 45.7 84.9

132 101.6 72.2 134.2

130 105.9 73.8 137.2

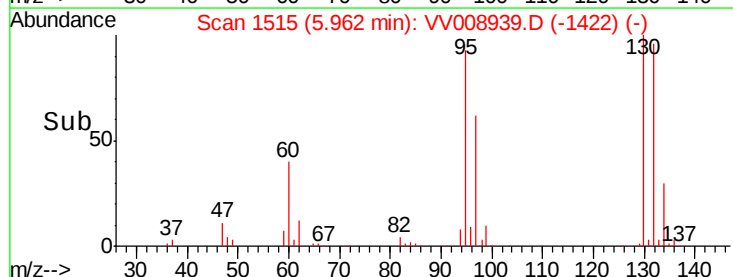
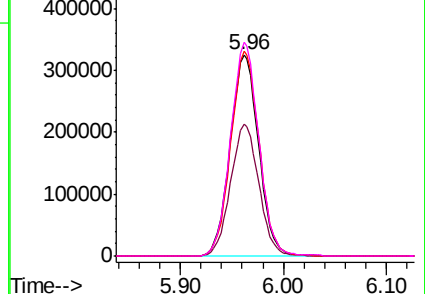


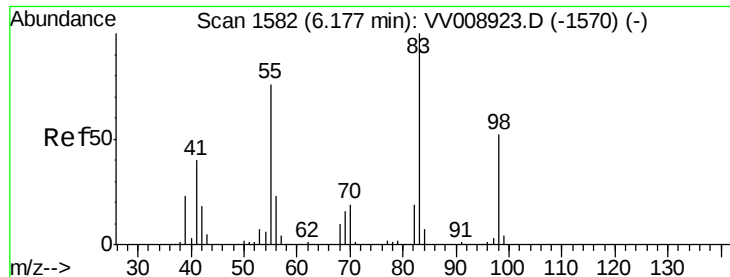
Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 8.929 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.06 min

Lab File: VV008939.D

Acq: 14 Dec 2018 19:05

Instrument :

MSVOA_V

ClientSampleId :

COL61

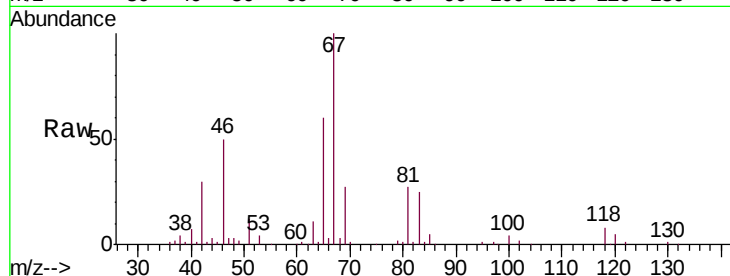
Tgt Ion: 83 Resp: 20197

Ion Ratio Lower Upper

83 100

55 0.2 57.8 86.8#

98 1.0 39.0 58.4#

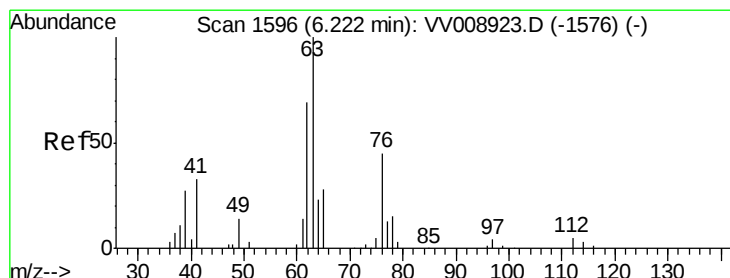
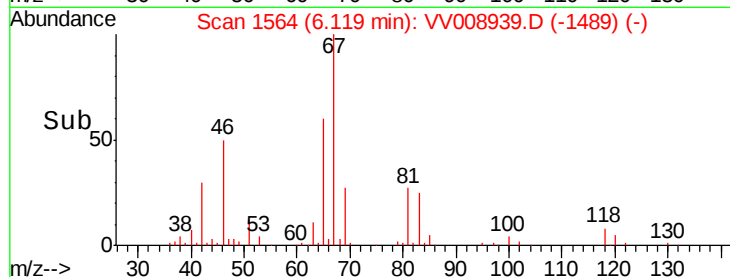


Abundance Ion 83.00 (82.70 to 83.70): VV008939.D (-1570) (-)

Ion 55.00 (54.70 to 55.70): VV008939.D (-1570) (-)

Ion 98.00 (97.70 to 98.70): VV008939.D (-1570) (-)

Time-->



#37

1,2-Dichloropropane

Concen: 6.501 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.11 min

Lab File: VV008939.D

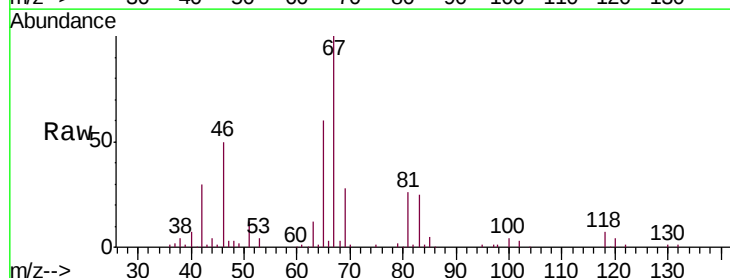
Acq: 14 Dec 2018 19:05

Tgt Ion: 63 Resp: 8881

Ion Ratio Lower Upper

63 100

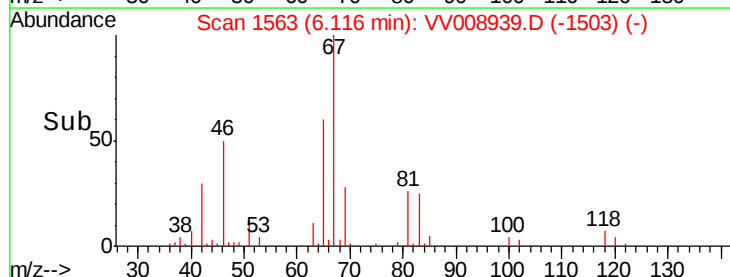
112 0.0 3.8 5.6#

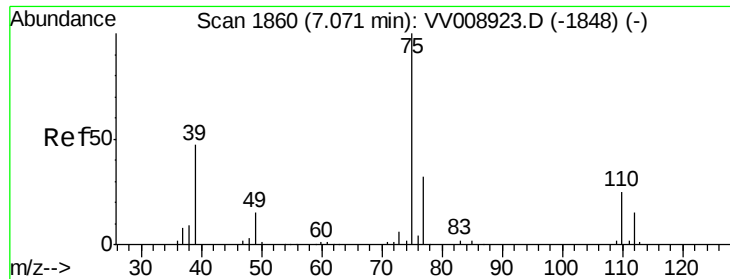


Abundance Ion 63.00 (62.70 to 63.70): VV008939.D (-1576) (-)

Ion 112.00 (111.70 to 112.70): VV008939.D (-1576) (-)

Time-->

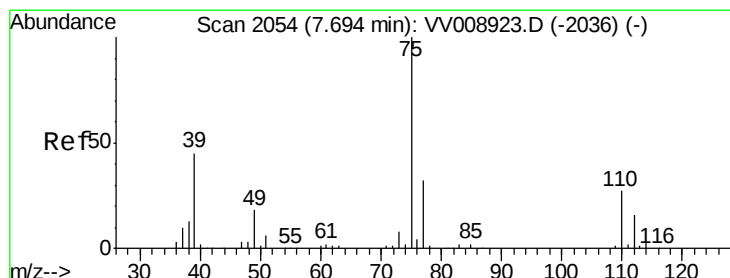
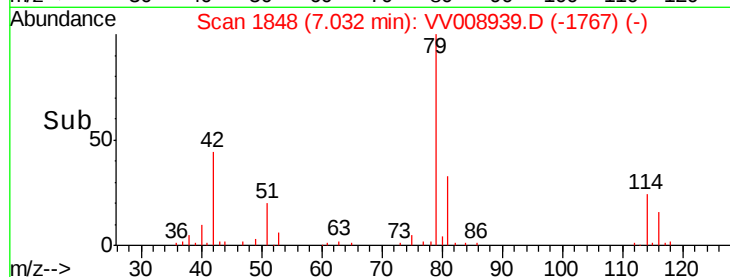
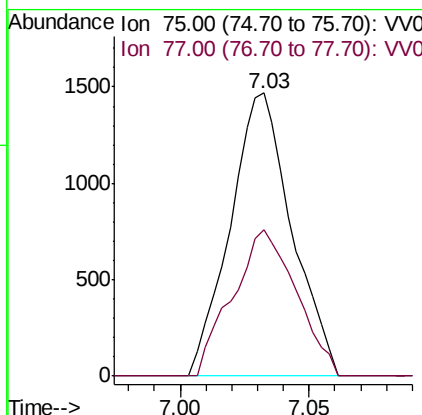
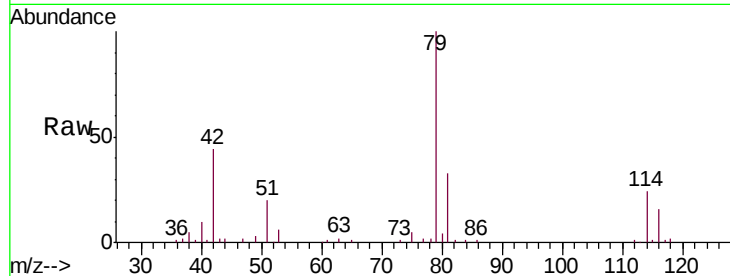




#39
 cis-1,3-Dichloropropene
 Concen: 1.118 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV008939.D
 Acq: 14 Dec 2018 19:05

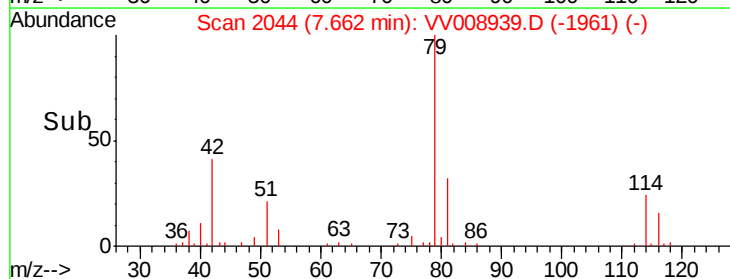
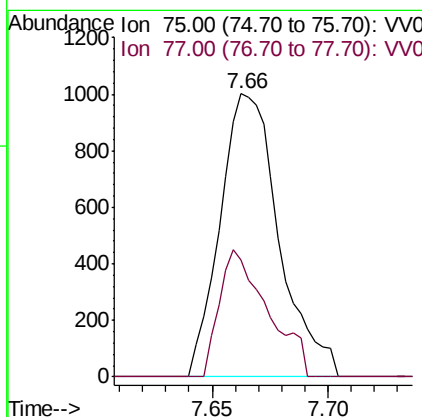
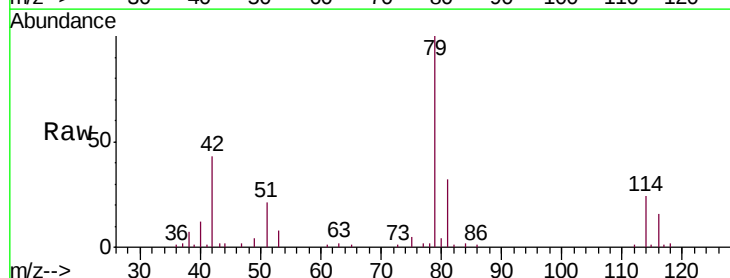
Instrument :
 MSVOA_V
 ClientSampleId :
 COL61

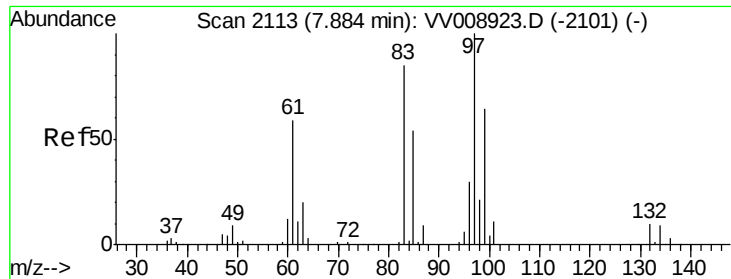
Tgt Ion: 75 Resp: 2436
 Ion Ratio Lower Upper
 75 100
 77 51.6 21.8 40.4#



#44
 trans-1,3-Dichloropropene
 Concen: 0.872 ug/L
 RT: 7.66 min Scan# 2044
 Delta R.T. -0.03 min
 Lab File: VV008939.D
 Acq: 14 Dec 2018 19:05

Tgt Ion: 75 Resp: 1770
 Ion Ratio Lower Upper
 75 100
 77 41.1 21.6 40.2#

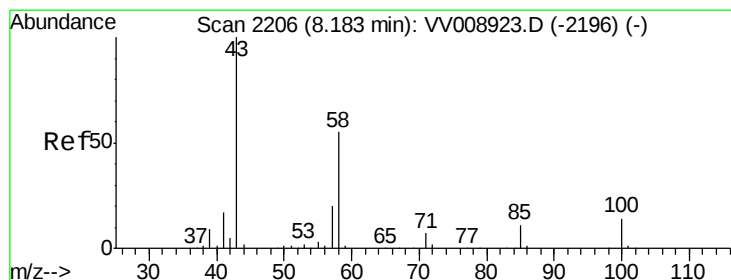
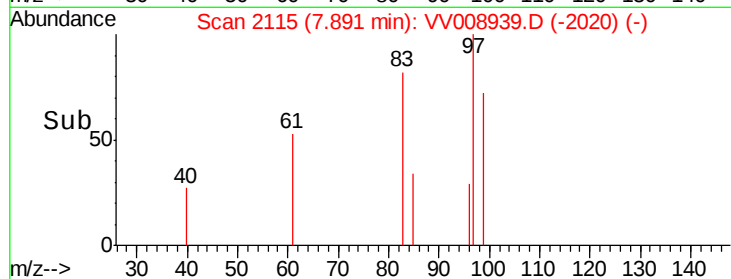
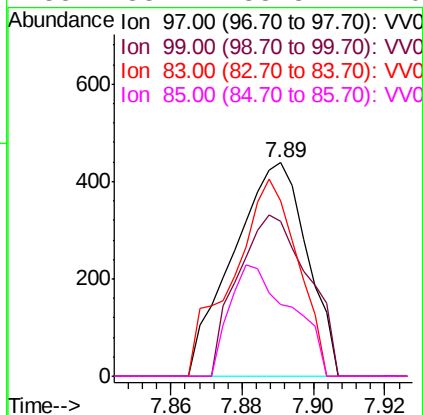
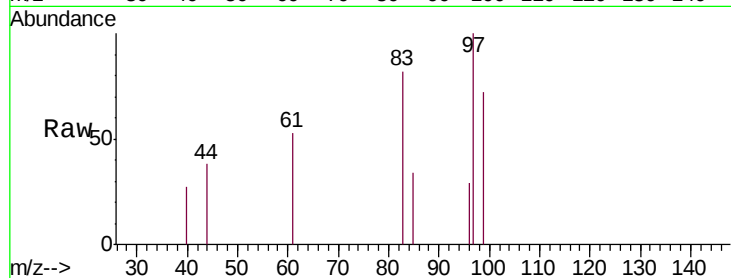




#45
 1,1,2-Trichloroethane
 Concen: 0.454 ug/L
 RT: 7.89 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VV008939.D
 Acq: 14 Dec 2018 19:05

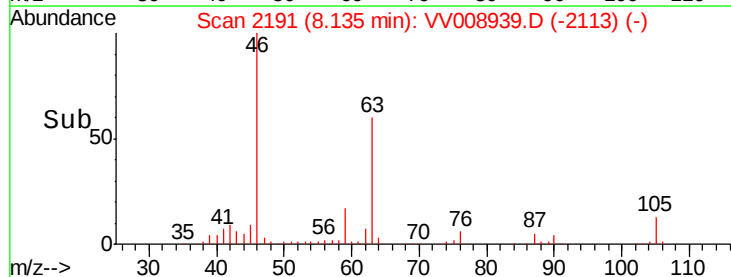
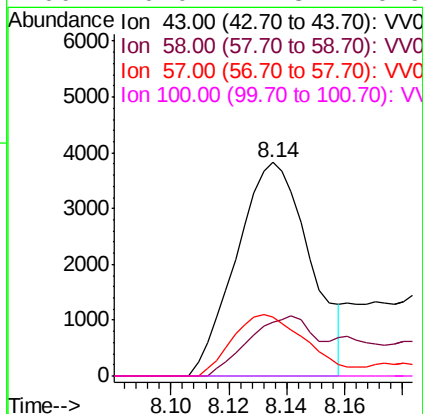
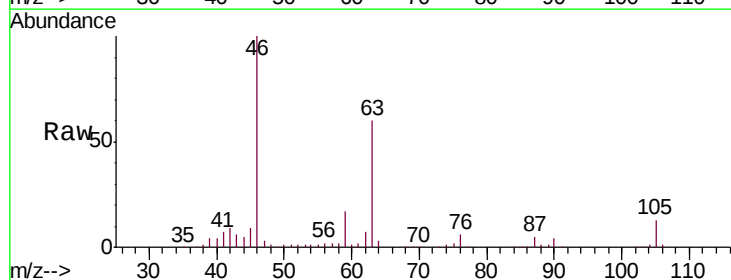
Instrument :
 MSVOA_V
 ClientSampleId :
 COL61

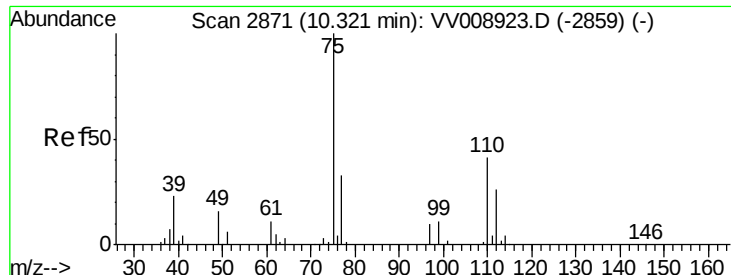
Tgt Ion: 97 Resp: 628
 Ion Ratio Lower Upper
 97 100
 99 72.2 43.8 81.3
 83 82.2 58.8 109.2
 85 33.7 38.8 72.0#



#48
 2-Hexanone
 Concen: 5.136 ug/L
 RT: 8.14 min Scan# 2191
 Delta R.T. -0.05 min
 Lab File: VV008939.D
 Acq: 14 Dec 2018 19:05

Tgt Ion: 43 Resp: 6751
 Ion Ratio Lower Upper
 43 100
 58 24.2 42.7 64.1#
 57 29.0 15.7 23.5#
 100 0.0 11.3 16.9#





#59

1,2,3-Trichloropropane

Concen: 5.053 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.97 min

Lab File: VV008939.D

Acq: 14 Dec 2018 19:05

Instrument :

MSVOA_V

ClientSampleId :

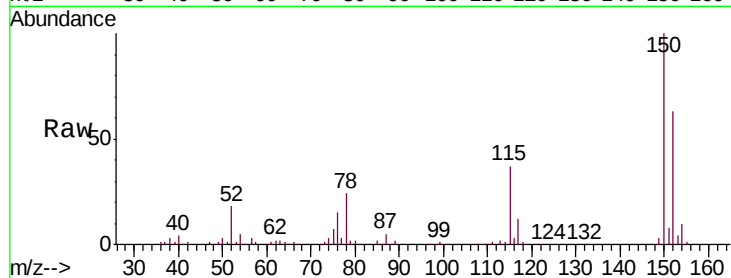
C0L61

Tgt Ion: 75 Resp: 8693

Ion Ratio Lower Upper

75 100

77 39.3 25.8 38.8#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

