

Data File : VV009439.D
Acq On : 28 Feb 2019 22:05
Operator : SY/MD
Sample : K1599-18
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CWK05

Quant Time: Mar 01 03:56:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 03:49:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	87068	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	86454	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	41025	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	23673	5.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.20%
7) Chloroethane-d5	1.58	69	21426	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.20%
11) 1,1-Dichloroethene-d2	2.13	63	44691	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	3.95	46	50682	58.77	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.54%
24) Chloroform-d	4.40	84	48755	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.40%
26) 1,2-Dichloroethane-d4	5.09	65	24154	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.00%
32) Benzene-d6	5.10	84	99564	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.20%
36) 1,2-Dichloropropane-d6	6.12	67	29145	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.36	98	100310	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.80%
43) trans-1,3-Dichloropropene-	7.67	79	11373	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.14	63	47420	59.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.16%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	23208	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	36214	5.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.80%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	982	0.173 ug/L	92
5) Vinyl chloride	1.32	62	1915	0.308 ug/L #	1
8) Chloroethane	1.59	64	413	0.100 ug/L #	53
12) 1,1-Dichloroethene	2.14	96	2648	0.464 ug/L #	1
13) Acetone	2.20	43	2673	3.263 ug/L	83
18) trans-1,2-Dichloroethene	2.79	96	620	0.100 ug/L	85
22) cis-1,2-Dichloroethene	3.96	96	76544	13.265 ug/L	100
25) Chloroform	4.43	83	1787	0.178 ug/L	79
29) 1,1,1-Trichloroethane	4.66	97	1378	0.142 ug/L	94
34) Trichloroethene	5.96	95	257855	40.636 ug/L	97
37) 1,2-Dichloropropane	6.12	63	3504	0.637 ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	873	0.101 ug/L #	57
42) Toluene	7.43	91	59027	2.306 ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	602	0.089 ug/L	99
47) Tetrachloroethene	8.02	164	4440	0.891 ug/L	97
49) Dibromochloromethane	8.02	129	4339	0.847 ug/L #	9
51) Chlorobenzene	8.93	112	2723	0.163 ug/L #	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV022819\
Quantitation Report (Not Reviewed)

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QLast Update : Fri Mar 01 03:49:54 2019
Response via : Initial Calibration

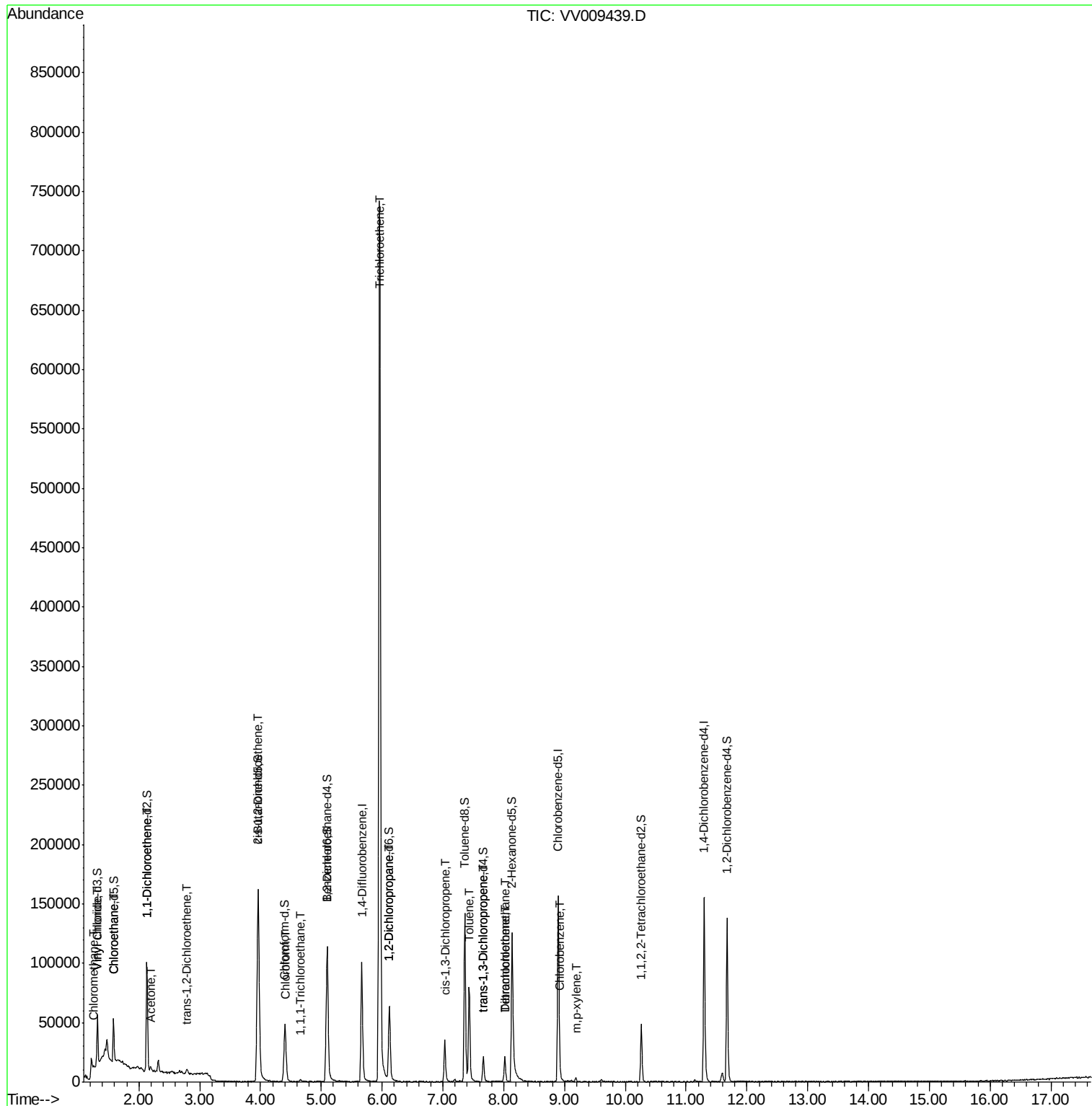
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-xylene	9.19	106	1083	0.095	ug/L	81

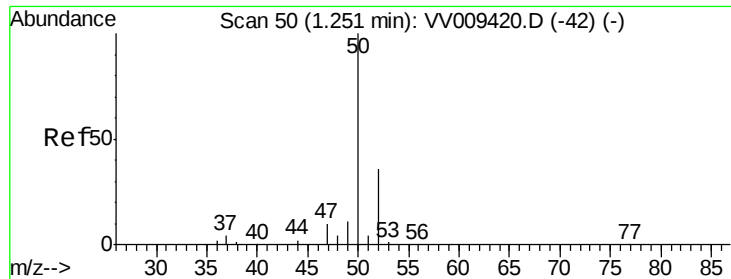
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.173 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009439.D

Acq: 28 Feb 2019 22:05

Instrument :

MSVOA_V

ClientSampleId :

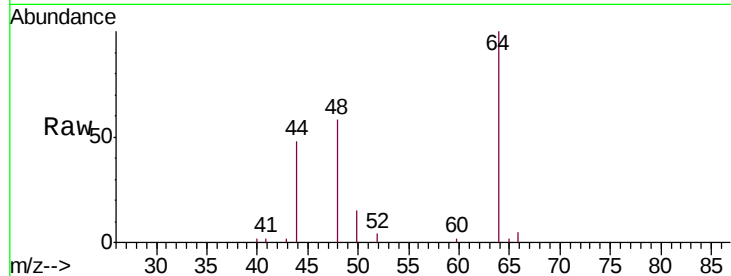
CWK05

Tgt Ion: 50 Resp: 982

Ion Ratio Lower Upper

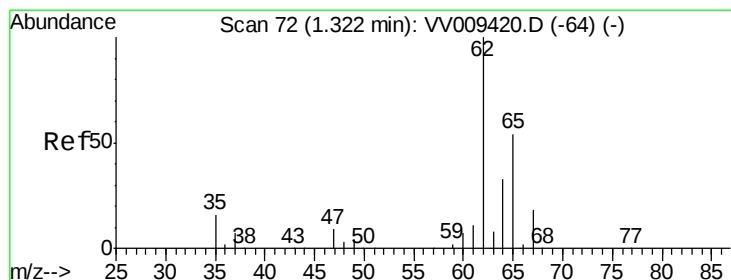
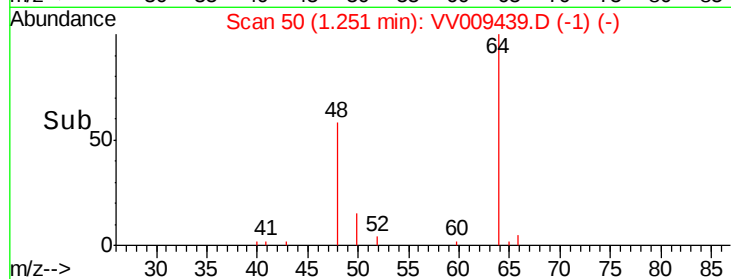
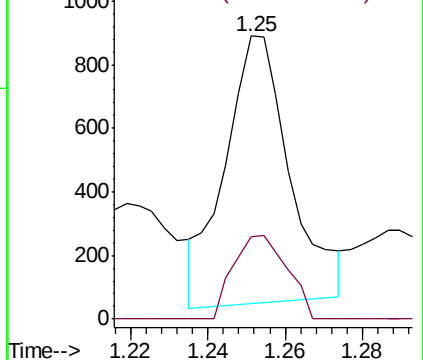
50 100

52 29.2 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 0.308 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009439.D

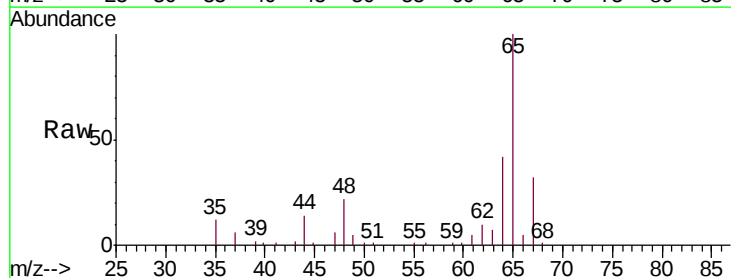
Acq: 28 Feb 2019 22:05

Tgt Ion: 62 Resp: 1915

Ion Ratio Lower Upper

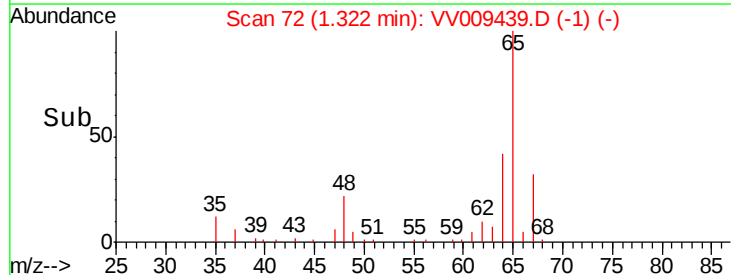
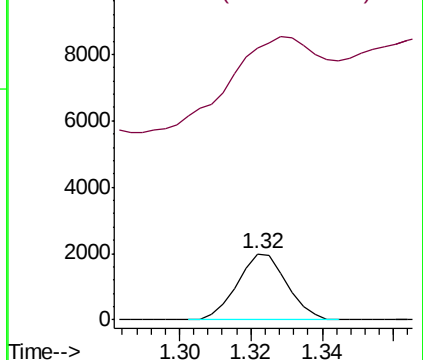
62 100

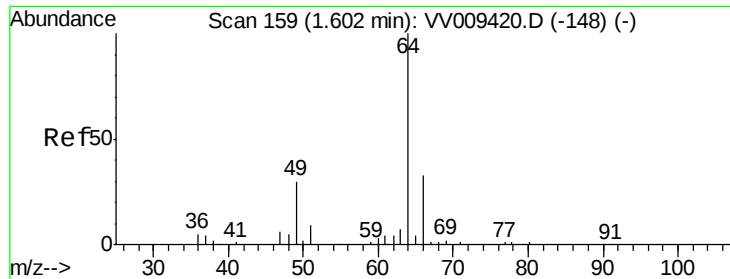
64 408.9 21.6 40.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0





#8

Chloroethane

Concen: 0.100 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VV009439.D

Acq: 28 Feb 2019 22:05

Instrument :

MSVOA_V

ClientSampleId :

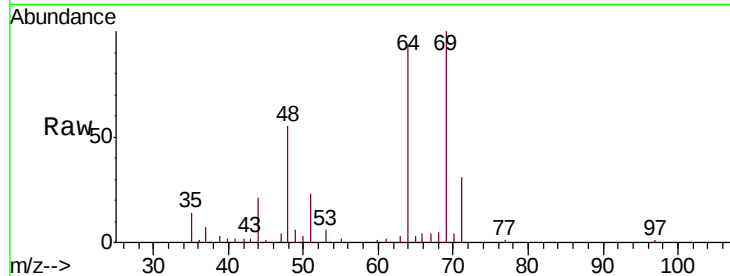
CWK05

Tgt Ion: 64 Resp: 413

Ion Ratio Lower Upper

64 100

66 4.5 21.3 39.5#

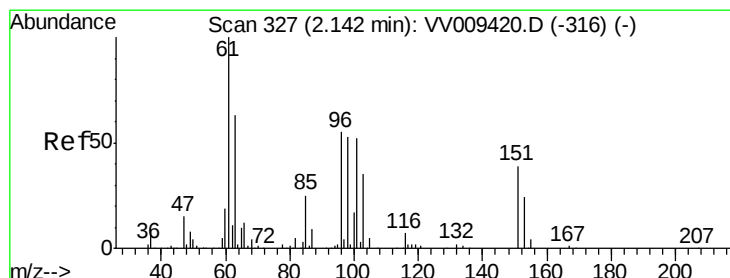
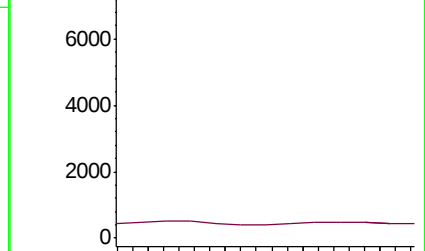
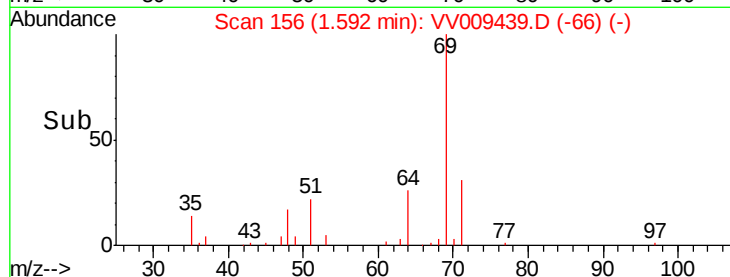


Abundance Ion 64.10 (63.80 to 64.80): VV009420.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV009420.D (-148) (-)

1.59

Time-->



#12

1,1-Dichloroethene

Concen: 0.464 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV009439.D

Acq: 28 Feb 2019 22:05

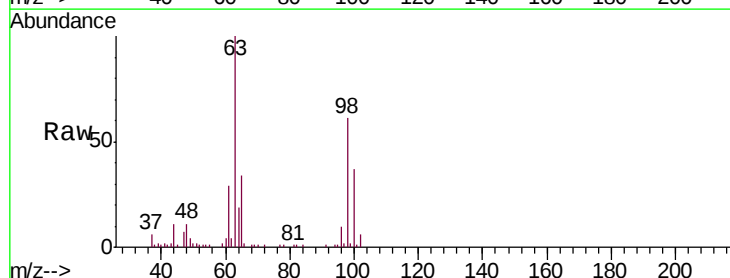
Tgt Ion: 96 Resp: 2648

Ion Ratio Lower Upper

96 100

61 280.8 123.1 228.5#

63 972.9 82.9 153.9#



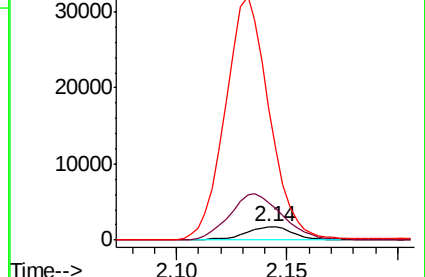
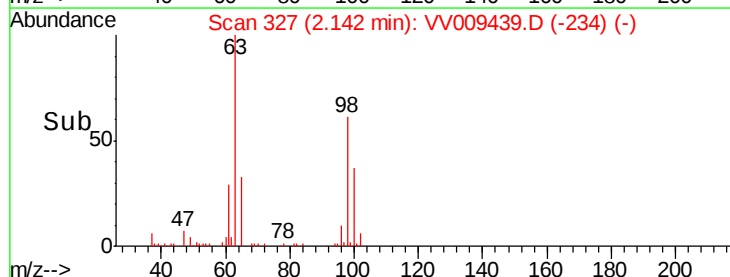
Abundance Ion 96.00 (95.70 to 96.70): VV009420.D (-316) (-)

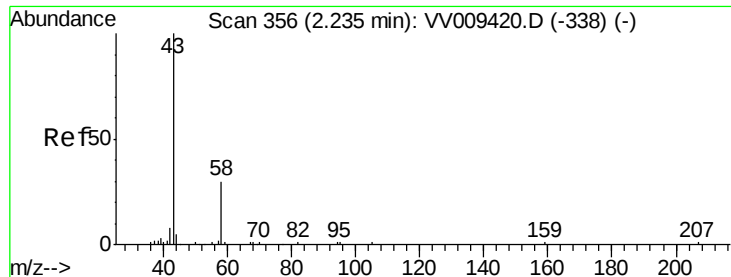
Ion 61.05 (60.75 to 61.75): VV009420.D (-316) (-)

Ion 63.00 (62.70 to 63.70): VV009420.D (-316) (-)

2.14

Time-->





#13

Acetone

Concen: 3.263 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.04 min

Lab File: VV009439.D

Acq: 28 Feb 2019 22:05

Instrument :

MSVOA_V

ClientSampleId :

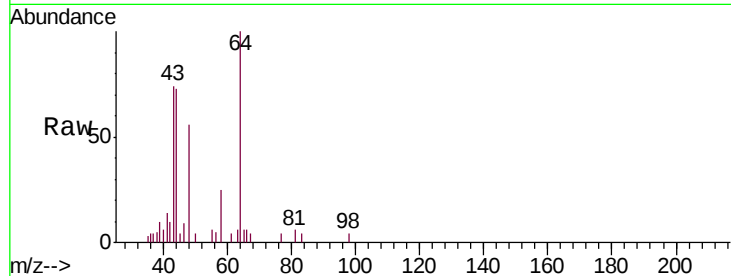
CWK05

Tgt Ion: 43 Resp: 2673

Ion Ratio Lower Upper

43 100

58 40.4 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV009420.D (-338) (-)

Ion 58.05 (57.75 to 58.75): VV009420.D (-338) (-)

2500

2000

1500

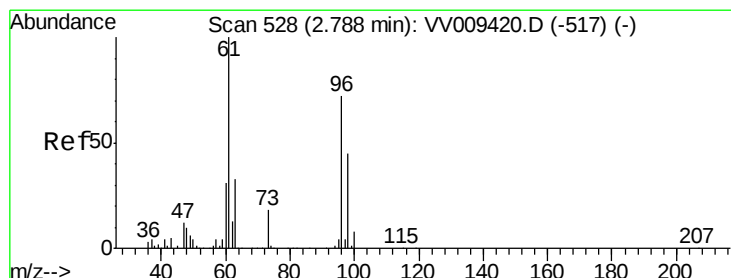
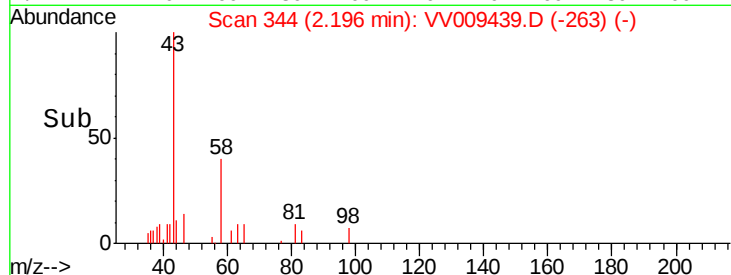
1000

500

0

2.15 2.20

Time-->



#18

trans-1,2-Dichloroethene

Concen: 0.100 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.01 min

Lab File: VV009439.D

Acq: 28 Feb 2019 22:05

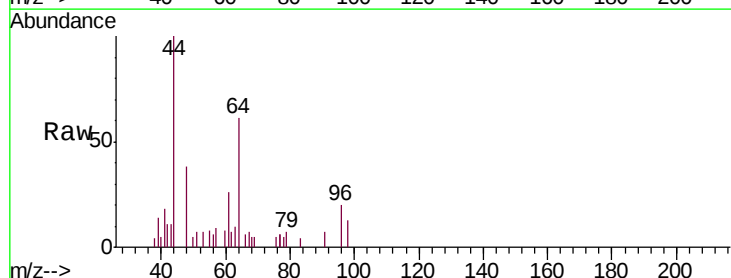
Tgt Ion: 96 Resp: 620

Ion Ratio Lower Upper

96 100

61 127.3 106.0 196.8

98 62.3 48.2 89.4



Abundance Ion 96.00 (95.70 to 96.70): VV009420.D (-517) (-)

Ion 61.05 (60.75 to 61.75): VV009420.D (-517) (-)

Ion 97.95 (97.65 to 98.65): VV009420.D (-517) (-)

800

600

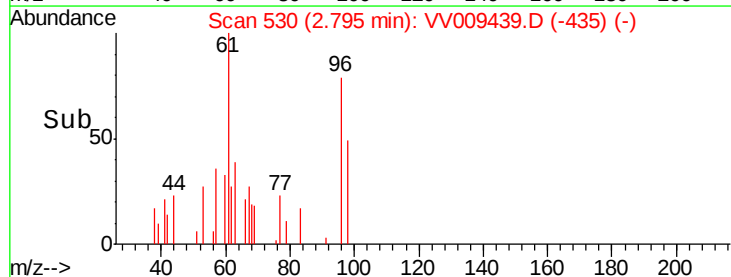
400

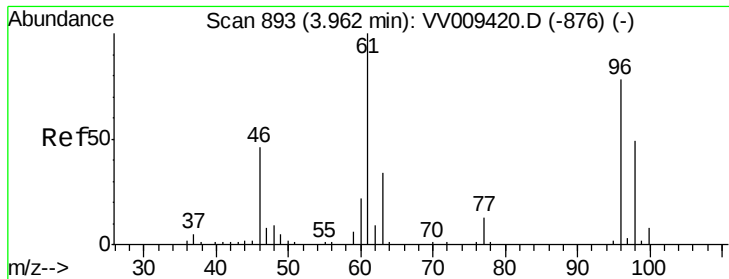
200

0

2.78 2.79 2.82

Time-->



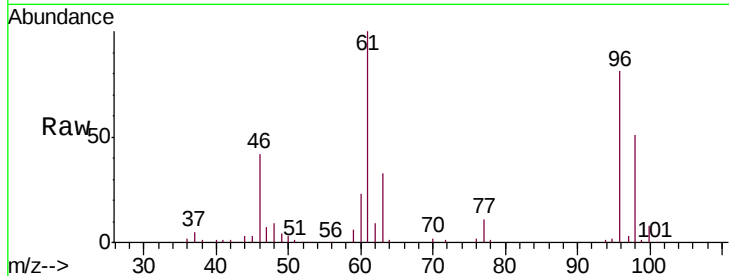


#22

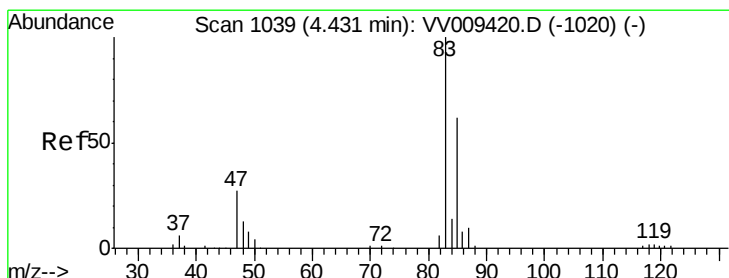
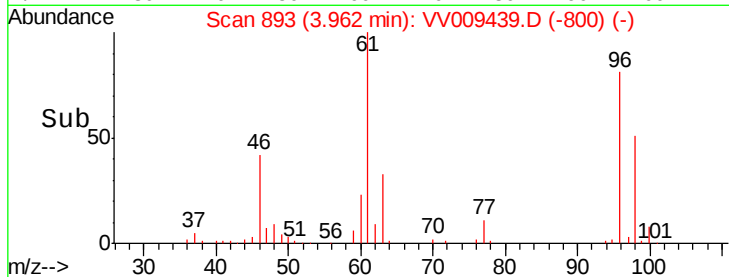
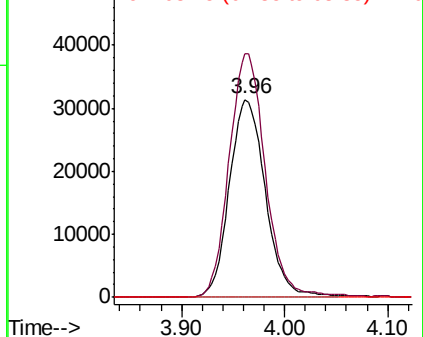
cis-1,2-Dichloroethene
 Concen: 13.265 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV009439.D
 Acq: 28 Feb 2019 22:05

Instrument :
 MSVOA_V
 ClientSampled :
 CWK05

Tgt Ion: 96 Resp: 76544
 Ion Ratio Lower Upper
 96 100
 61 123.1 86.0 159.8
 68 0.0 0.0 0.0



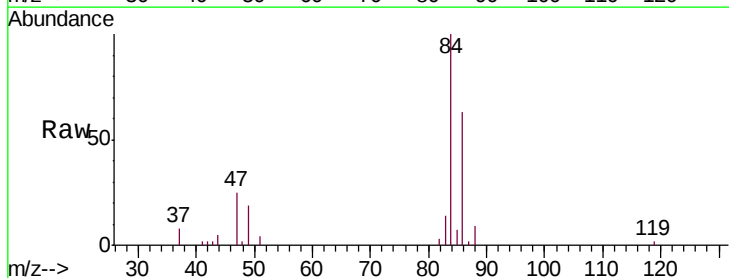
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



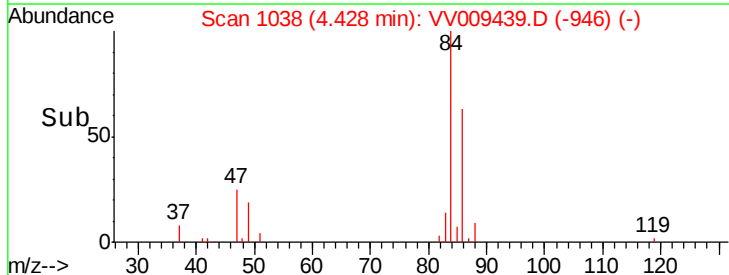
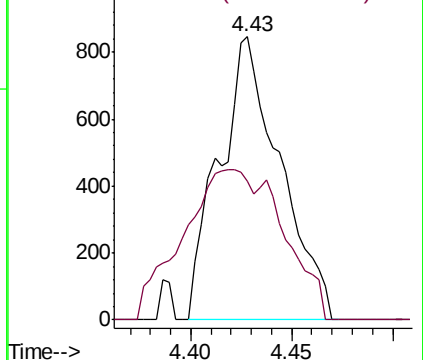
#25

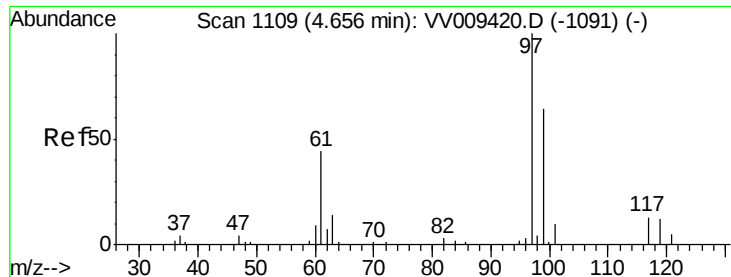
Chloroform
 Concen: 0.178 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: VV009439.D
 Acq: 28 Feb 2019 22:05

Tgt Ion: 83 Resp: 1787
 Ion Ratio Lower Upper
 83 100
 85 49.1 45.7 84.9



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: 0.142 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV009439.D

Acq: 28 Feb 2019 22:05

Instrument :

MSVOA_V

ClientSampled :

CWK05

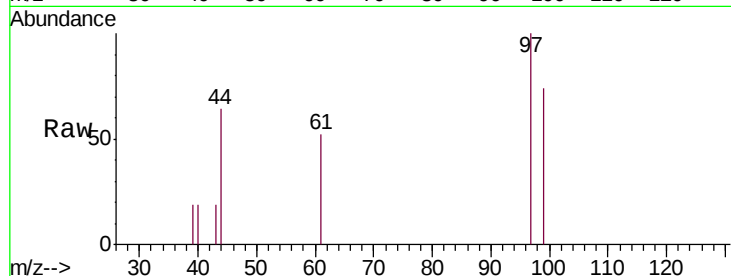
Tgt Ion: 97 Resp: 1378

Ion Ratio Lower Upper

97 100

99 59.1 50.5 75.7

61 39.5 35.1 52.7

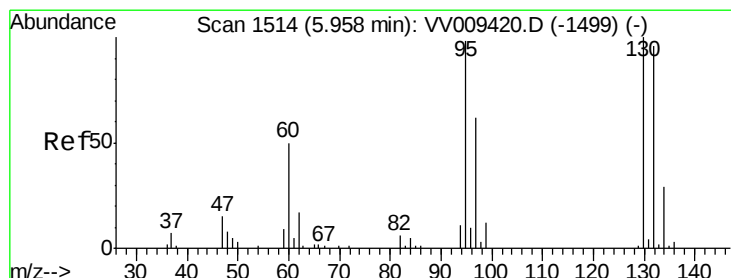
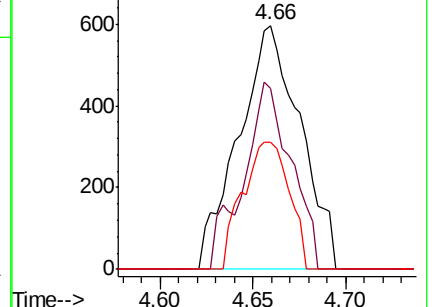
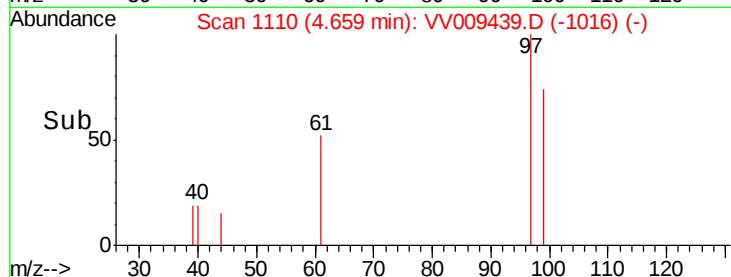


Abundance Ion 96.95 (96.65 to 97.65): VV009420.D (-1091) (-)

Ion 99.05 (98.75 to 99.75): VV009420.D (-1091) (-)

Ion 61.05 (60.75 to 61.75): VV009420.D (-1091) (-)

Time-->



#34

Trichloroethene

Concen: 40.636 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV009439.D

Acq: 28 Feb 2019 22:05

Tgt Ion: 95 Resp: 257855

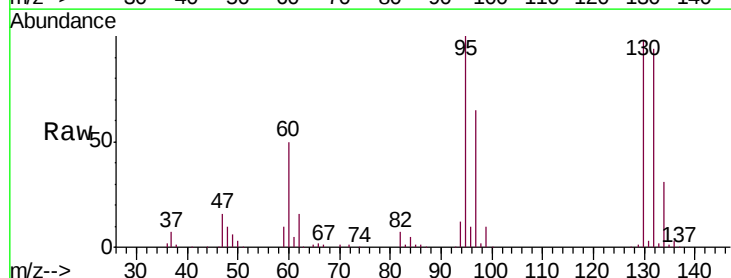
Ion Ratio Lower Upper

95 100

97 64.6 44.2 82.2

132 94.0 67.8 126.0

130 97.8 70.4 130.8



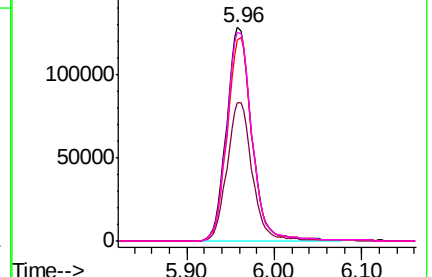
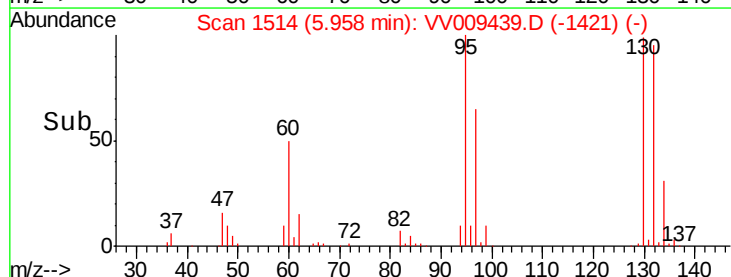
Abundance Ion 95.00 (94.70 to 95.70): VV009420.D (-1499) (-)

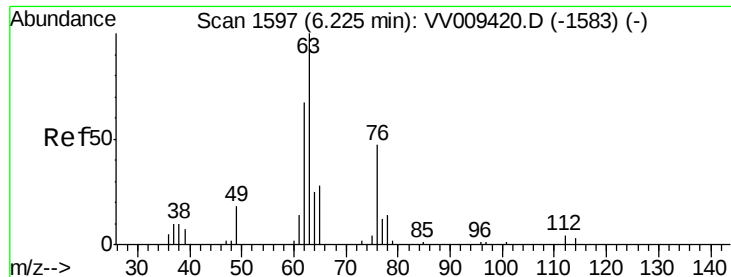
Ion 96.95 (96.65 to 97.65): VV009420.D (-1499) (-)

Ion 131.95 (131.65 to 132.65): VV009420.D (-1499) (-)

Ion 129.95 (129.65 to 130.65): VV009420.D (-1499) (-)

Time-->





#37

1,2-Dichloropropane

Concen: 0.637 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV009439.D

Acq: 28 Feb 2019 22:05

Instrument :

MSVOA_V

ClientSampleId :

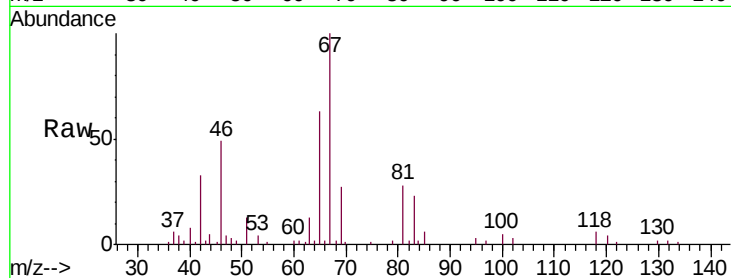
CWK05

Tgt Ion: 63 Resp: 3504

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VV009420.D (-1583) (-)

Ion 112.10 (111.80 to 112.80): VV009420.D (-1583) (-)

6.12

2000

1500

1000

500

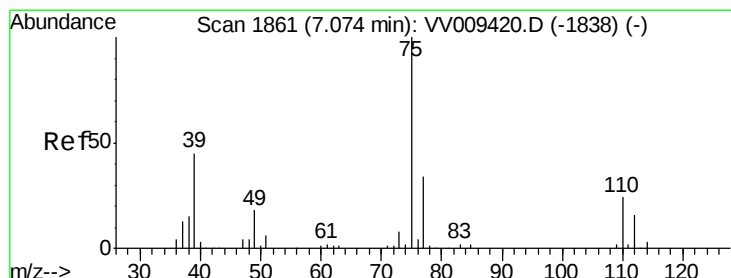
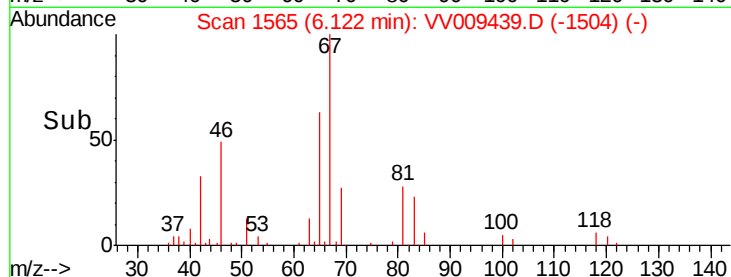
0

6.05

6.10

6.15

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV009439.D

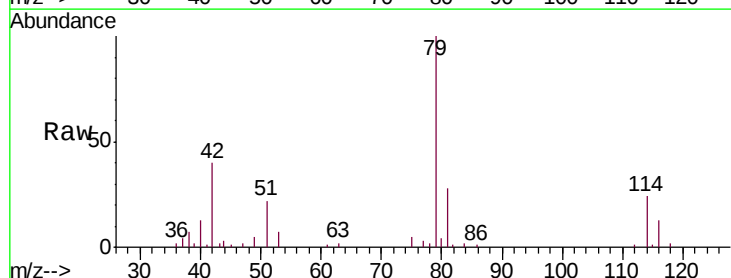
Acq: 28 Feb 2019 22:05

Tgt Ion: 75 Resp: 873

Ion Ratio Lower Upper

75 100

77 53.3 21.1 39.1#



Abundance Ion 75.05 (74.75 to 75.75): VV009420.D (-1838) (-)

Ion 77.05 (76.75 to 77.75): VV009420.D (-1838) (-)

7.03

600

400

200

0

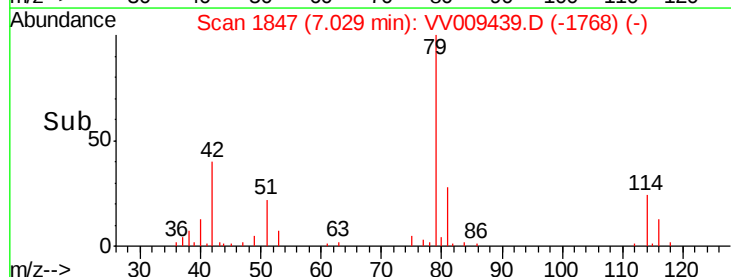
7.00

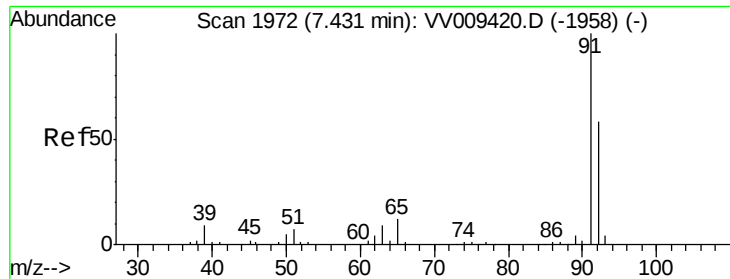
7.02

7.04

7.06

Time-->





#42

Toluene

Concen: 2.306 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009439.D

Acq: 28 Feb 2019 22:05

Instrument :

MSVOA_V

ClientSampled :

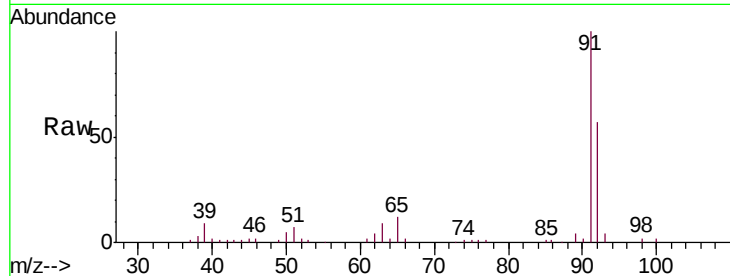
CWK05

Tgt Ion: 91 Resp: 59027

Ion Ratio Lower Upper

91 100

92 56.5 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VV009420.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV009420.D (-1958) (-)

7.43

30000

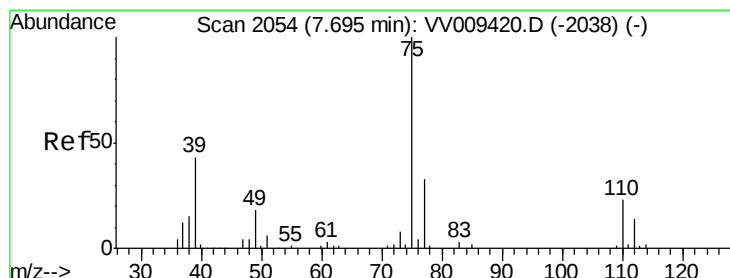
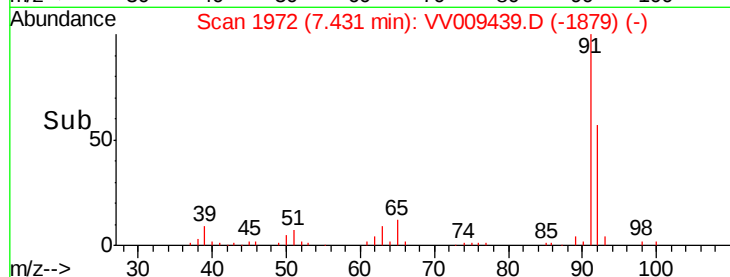
20000

10000

0

Time-->

7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.03 min

Lab File: VV009439.D

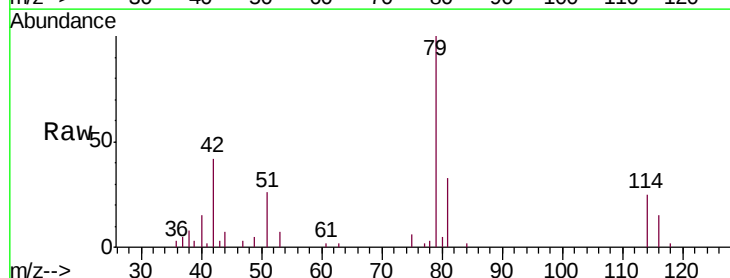
Acq: 28 Feb 2019 22:05

Tgt Ion: 75 Resp: 602

Ion Ratio Lower Upper

75 100

77 32.3 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV009420.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV009420.D (-2038) (-)

7.67

400

300

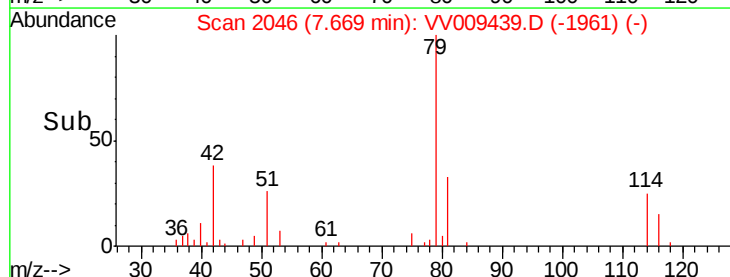
200

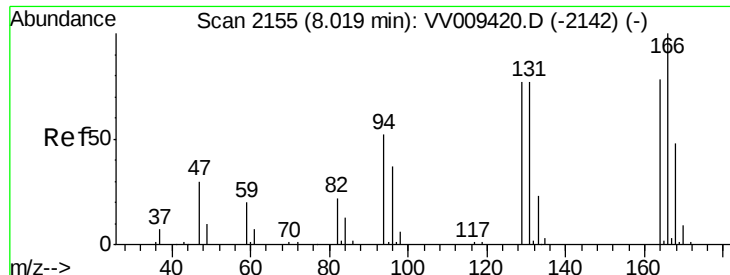
100

0

Time-->

7.62 7.64 7.66 7.68 7.70





#47

Tetrachloroethene

Concen: 0.891 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV009439.D

Acq: 28 Feb 2019 22:05

Instrument :

MSVOA_V

ClientSampleId :

CWK05

Tgt Ion:164 Resp: 4440

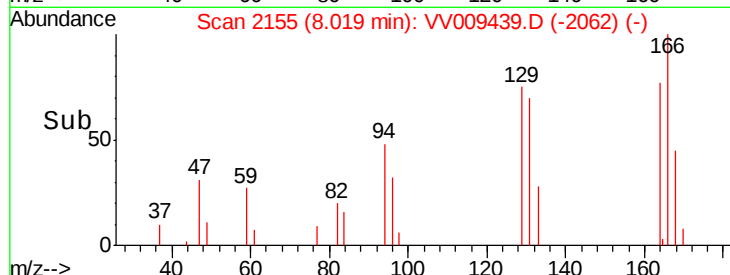
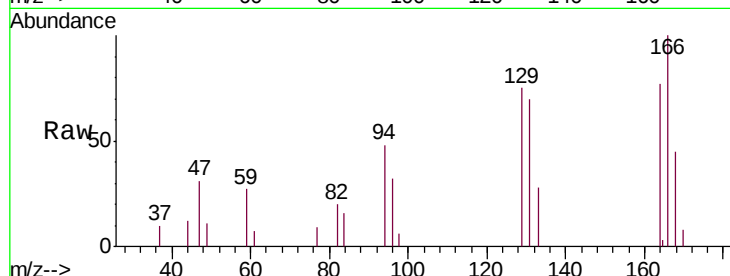
Ion Ratio Lower Upper

164 100

129 97.0 69.3 128.7

131 90.7 64.0 118.8

166 130.0 86.0 159.6

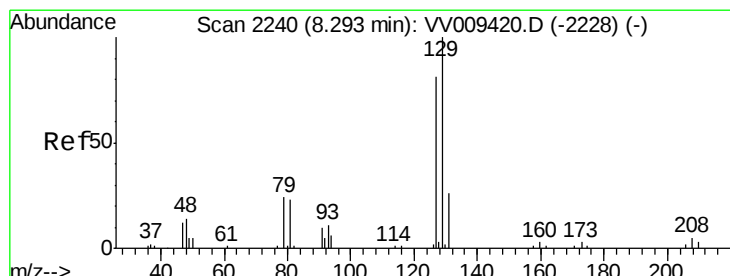
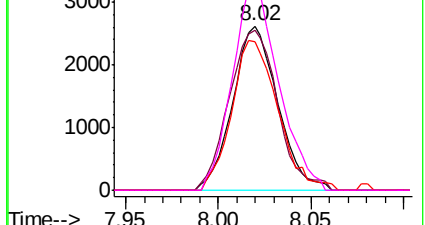


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 0.847 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV009439.D

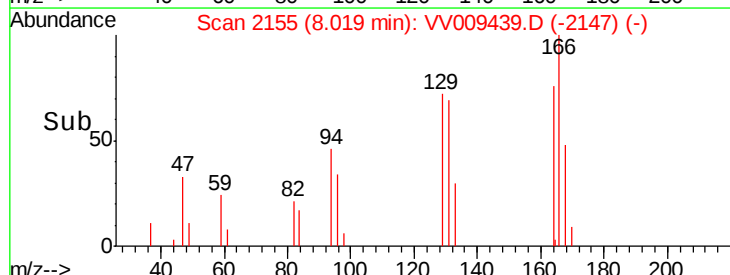
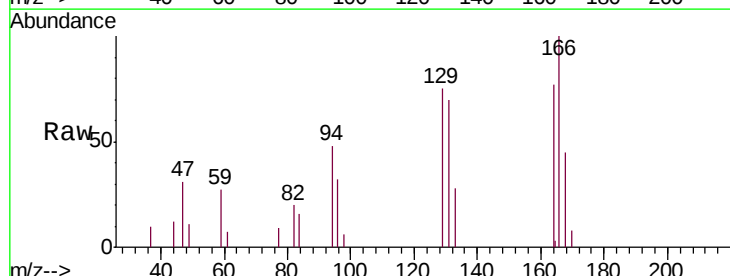
Acq: 28 Feb 2019 22:05

Tgt Ion:129 Resp: 4339

Ion Ratio Lower Upper

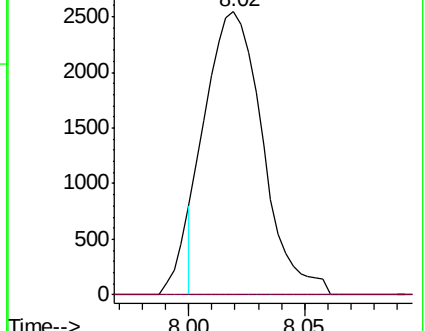
129 100

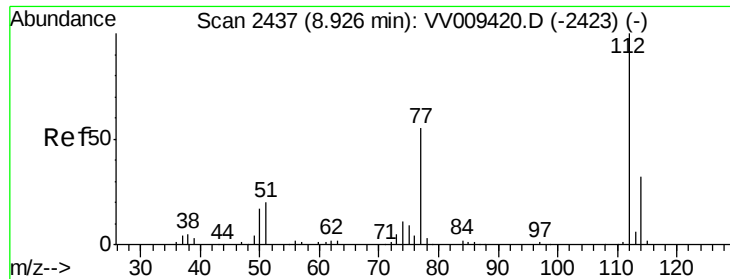
127 0.0 56.6 105.2#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

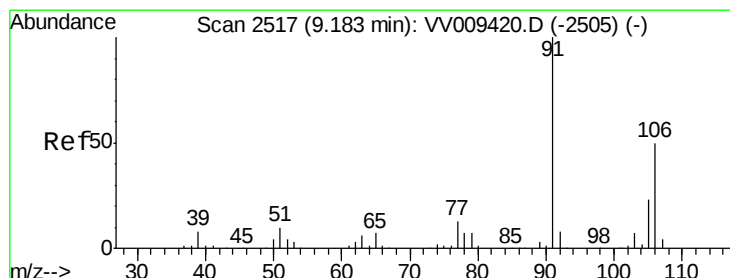
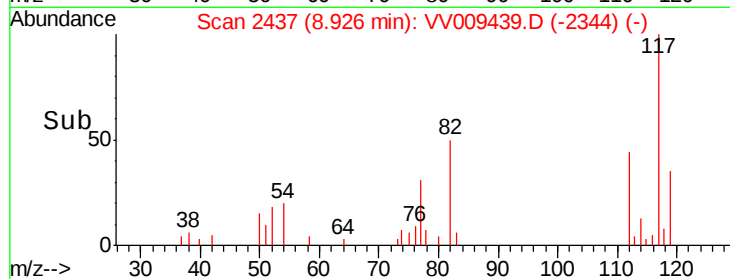
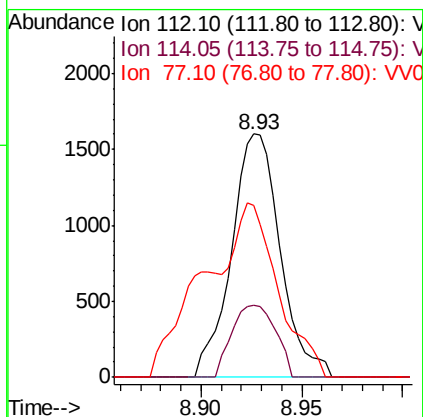
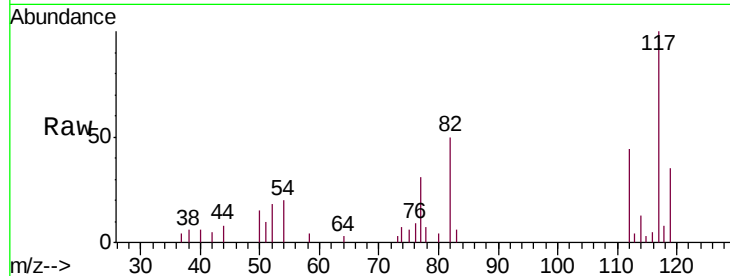




#51
Chlorobenzene
Concen: 0.163 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009439.D
Acq: 28 Feb 2019 22:05

Instrument :
MSVOA_V
ClientSampleId :
CWK05

Tgt Ion:112 Resp: 2723
Ion Ratio Lower Upper
112 100
114 29.8 23.2 43.2
77 70.4 45.7 68.5#



#53
m,p-xylene
Concen: 0.095 ug/L
RT: 9.19 min Scan# 2518
Delta R.T. 0.00 min
Lab File: VV009439.D
Acq: 28 Feb 2019 22:05

Tgt Ion:106 Resp: 1083
Ion Ratio Lower Upper
106 100
91 169.8 138.9 258.1

