

Data File : VV011402.D
Acq On : 11 Jun 2019 19:52
Operator : SY/MD
Sample : K3291-02RE
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB8G1

Quant Time: Jun 12 02:54:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 12 02:48:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	128767	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	125429	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	50247	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24608	2.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	50.40%
7) Chloroethane-d5	1.55	69	28055	3.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.20%
11) 1,1-Dichloroethene-d2	2.11	63	43511	2.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	44.60%#
20) 2-Butanone-d5	3.94	46	135226	61.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.12%
24) Chloroform-d	4.40	84	70614	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.20%
26) 1,2-Dichloroethane-d4	5.08	65	45536	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.09	84	128929	3.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	68.80%#
36) 1,2-Dichloropropane-d6	6.11	67	46405	4.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.40%
41) Toluene-d8	7.36	98	108489	3.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	63.00%#
43) trans-1,3-Dichloropropene-	7.66	79	13143	2.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	59.60%
46) 2-Hexanone-d5	8.13	63	105103	56.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.94%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	39645	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	42401	4.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.60%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	2703	0.220 ug/L	91
6) Bromomethane	1.51	94	1070	0.174 ug/L	79
13) Acetone	2.19	43	2766	1.878 ug/L	84
15) Methyl Acetate	2.45	43	669	0.171 ug/L	94
17) Methyl tert-butyl Ether	2.81	73	3700	0.171 ug/L #	74
22) cis-1,2-Dichloroethene	3.95	96	27403	2.724 ug/L	95
25) Chloroform	4.42	83	5232	0.283 ug/L	78
33) Benzene	5.14	78	6491	0.163 ug/L	100
34) Trichloroethene	5.95	95	669544	64.937 ug/L	98
35) Methylcyclohexane	6.12	83	11314	0.664 ug/L #	19
37) 1,2-Dichloropropane	6.11	63	5984	0.602 ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	1425	0.098 ug/L #	81
42) Toluene	7.43	91	3392	0.080 ug/L	88
47) Tetrachloroethene	8.01	164	909	0.122 ug/L	96
48) 2-Hexanone	8.13	43	14578	3.304 ug/L #	70
49) Dibromochloromethane	8.02	129	894	0.124 ug/L #	11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061019\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 12 02:48:56 2019
Response via : Initial Calibration

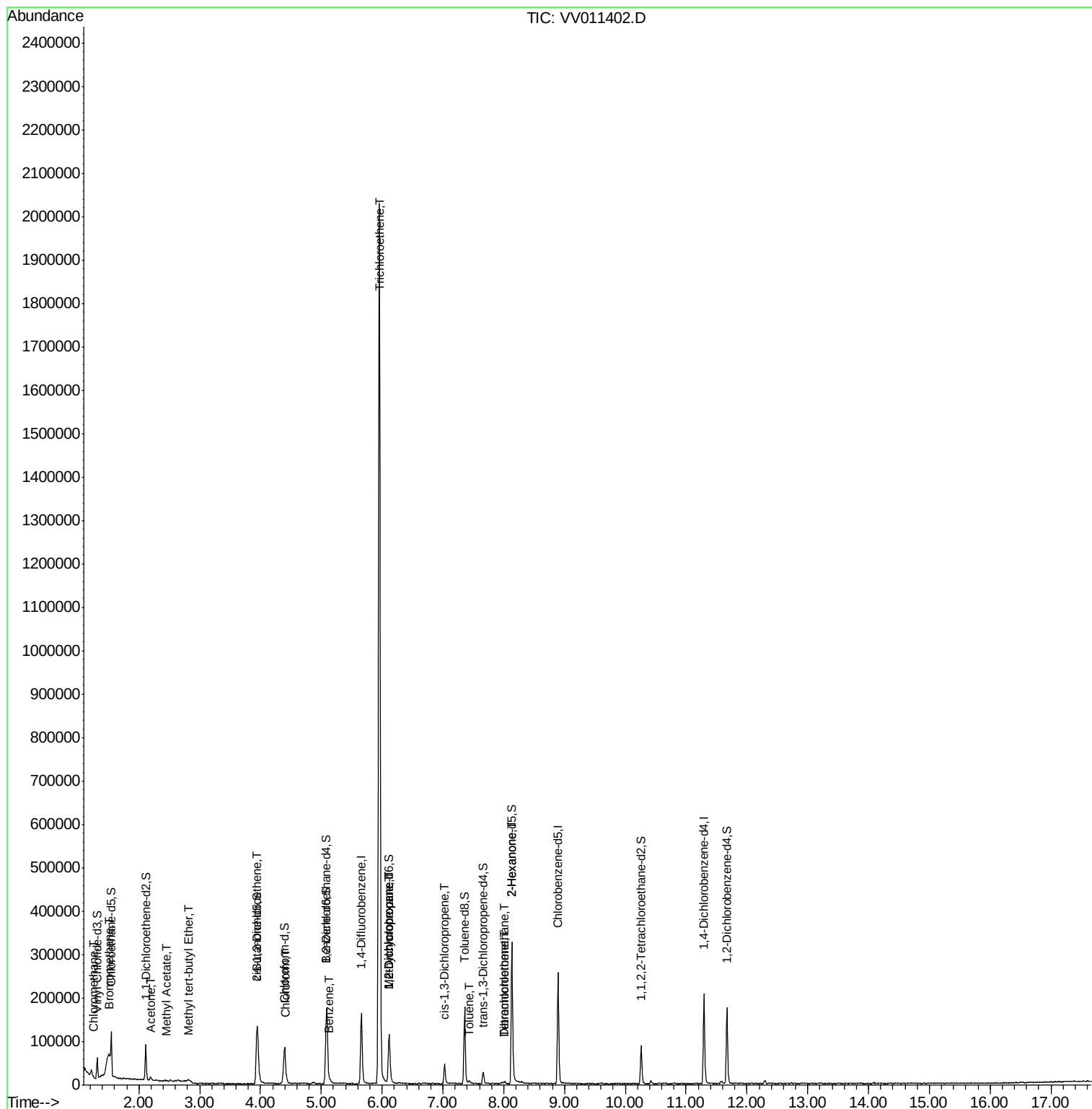
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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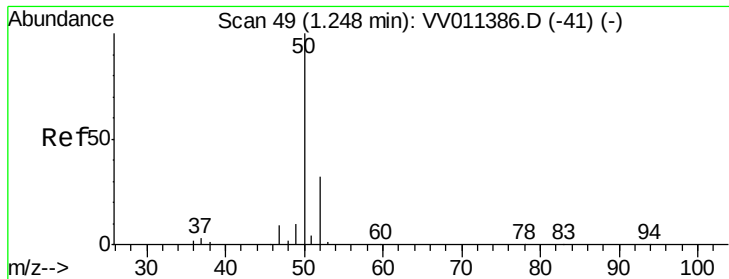
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.220 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV011402.D

Acq: 11 Jun 2019 19:52

Instrument :

MSVOA_V

ClientSampleId :

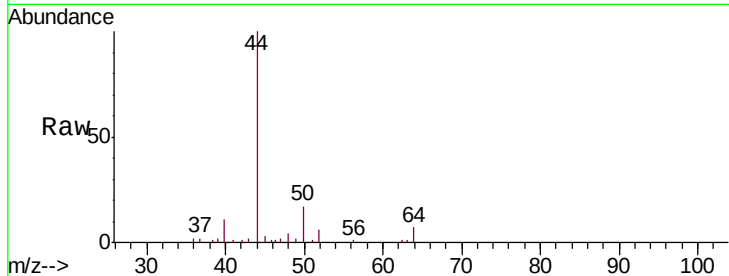
DB8G1

Tgt Ion: 50 Resp: 2703

Ion Ratio Lower Upper

50 100

52 36.8 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV011402.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV011402.D (-1) (-)

2500

2000

1500

1000

500

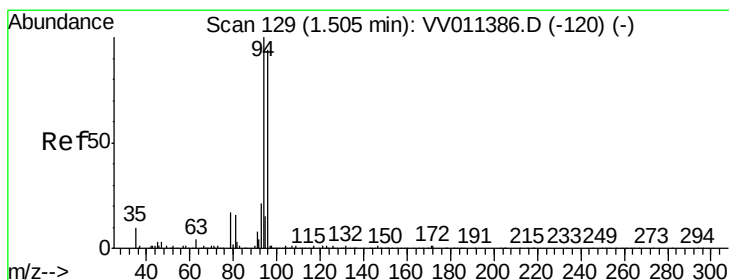
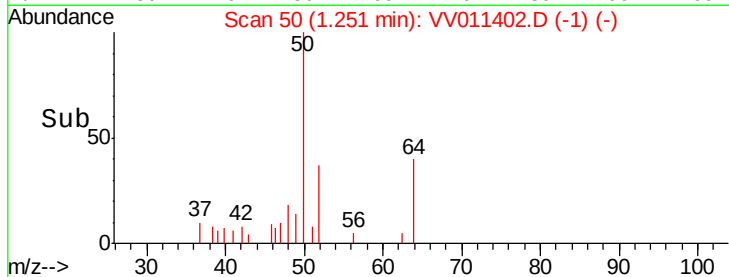
0

1.20

1.25

1.30

Time-->



#6

Bromomethane

Concen: 0.174 ug/L

RT: 1.51 min Scan# 130

Delta R.T. 0.00 min

Lab File: VV011402.D

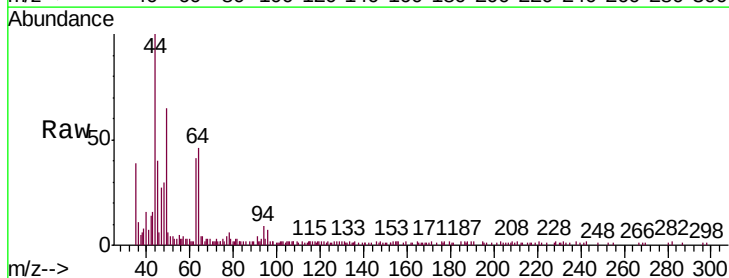
Acq: 11 Jun 2019 19:52

Tgt Ion: 94 Resp: 1070

Ion Ratio Lower Upper

94 100

96 75.5 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV011402.D (-36) (-)

Ion 96.00 (95.70 to 96.70): VV011402.D (-36) (-)

800

600

400

200

0

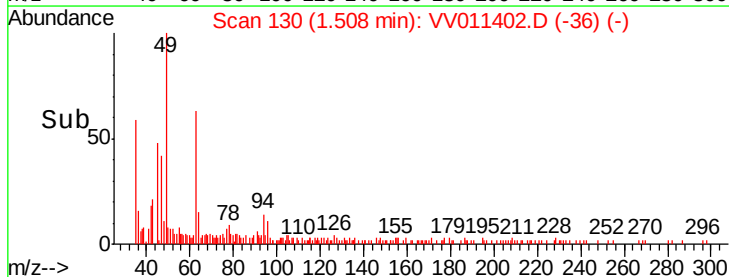
1.48

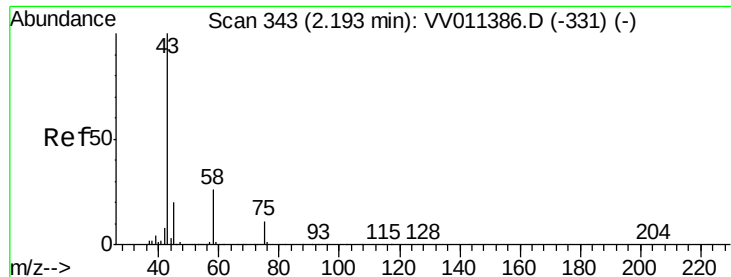
1.50

1.52

1.54

Time-->





#13

Acetone

Concen: 1.878 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV011402.D

Acq: 11 Jun 2019 19:52

Instrument :

MSVOA_V

ClientSampleId :

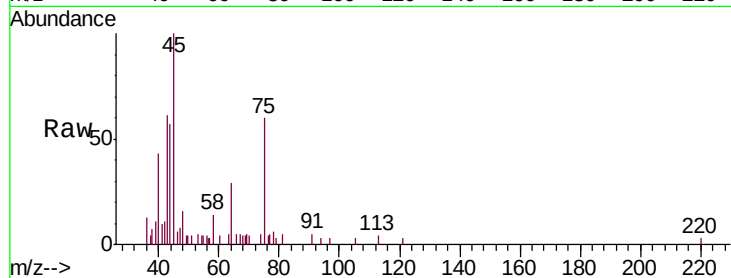
DB8G1

Tgt Ion: 43 Resp: 2766

Ion Ratio Lower Upper

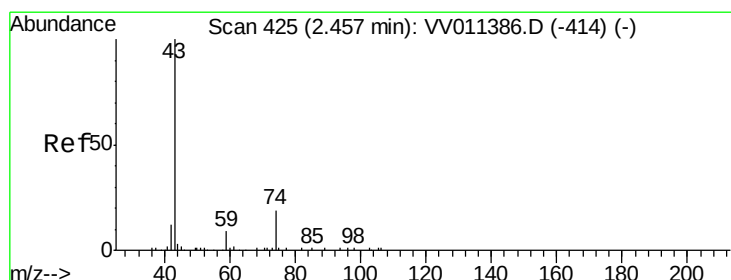
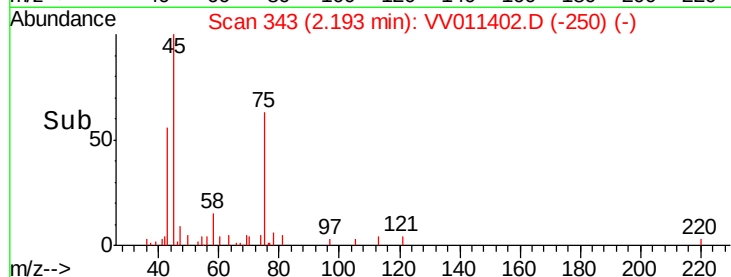
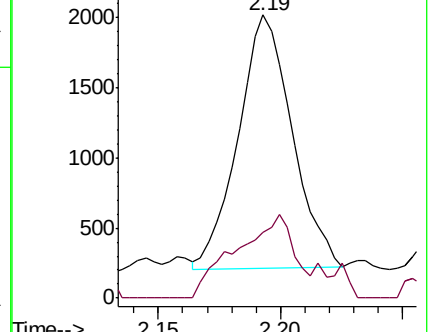
43 100

58 35.8 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#15

Methyl Acetate

Concen: 0.171 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.00 min

Lab File: VV011402.D

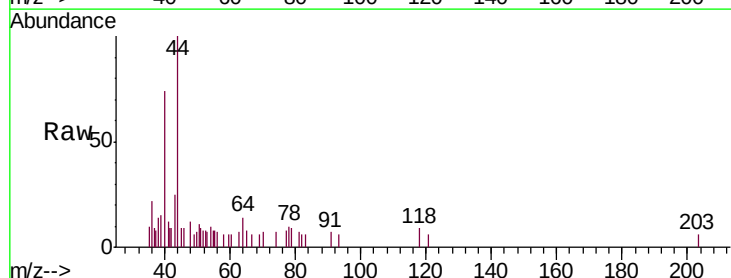
Acq: 11 Jun 2019 19:52

Tgt Ion: 43 Resp: 669

Ion Ratio Lower Upper

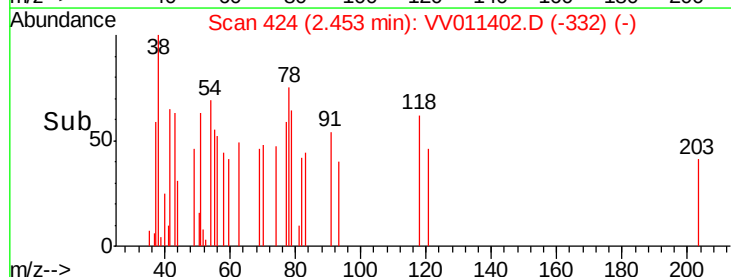
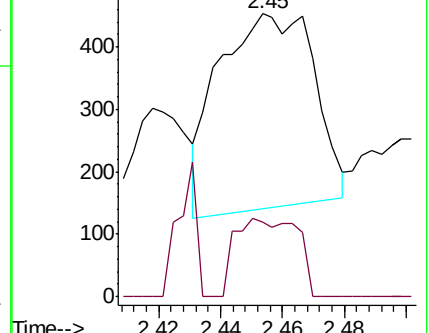
43 100

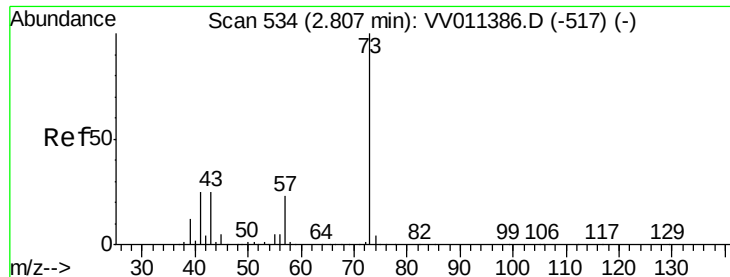
74 26.2 18.5 27.7



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0





#17

Methyl tert-butyl Ether

Concen: 0.171 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.01 min

Lab File: VV011402.D

Acq: 11 Jun 2019 19:52

Instrument :

MSVOA_V

ClientSampleId :

DB8G1

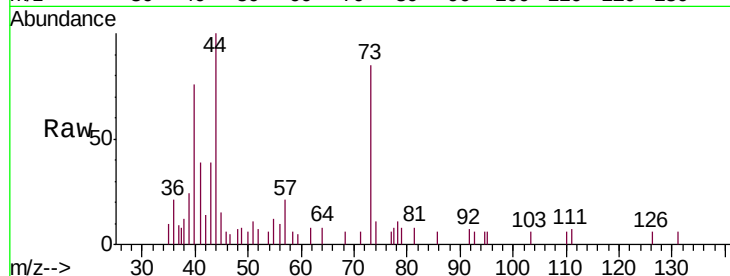
Tgt Ion: 73 Resp: 3700

Ion Ratio Lower Upper

73 100

43 34.8 18.7 28.1#

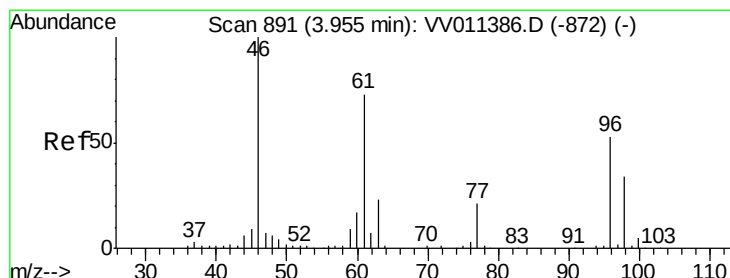
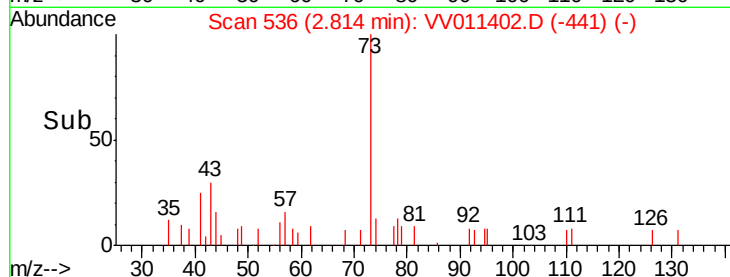
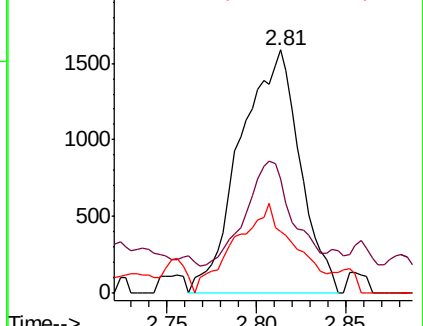
57 36.5 18.1 27.1#



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#22

cis-1,2-Dichloroethene

Concen: 2.724 ug/L

RT: 3.95 min Scan# 890

Delta R.T. -0.00 min

Lab File: VV011402.D

Acq: 11 Jun 2019 19:52

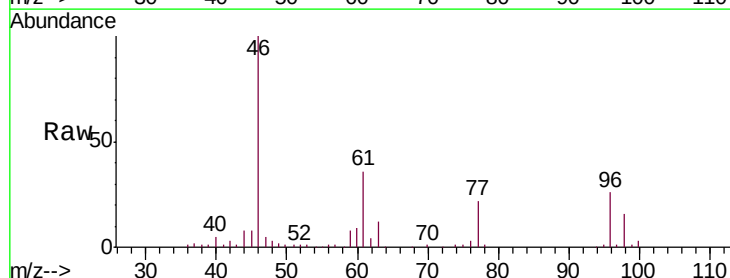
Tgt Ion: 96 Resp: 27403

Ion Ratio Lower Upper

96 100

61 137.3 100.8 187.2

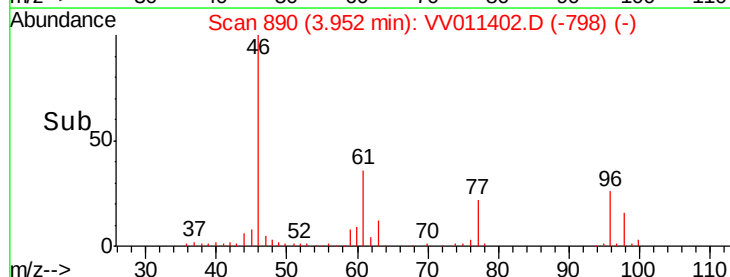
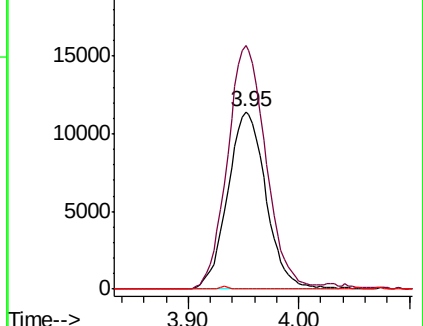
68 0.0 0.0 0.0

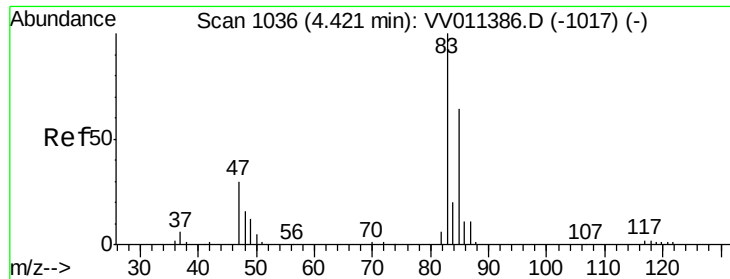


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

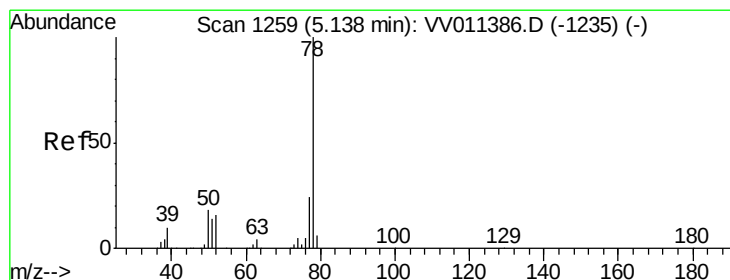
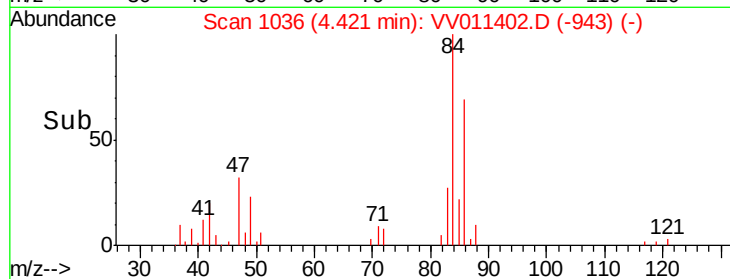
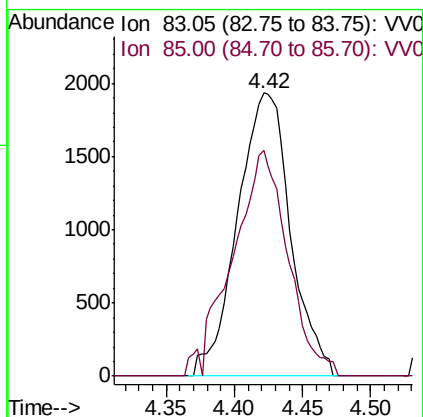
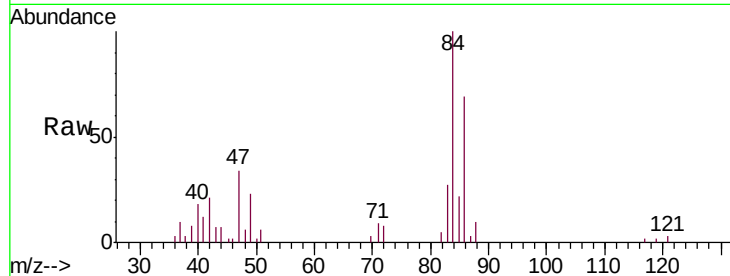




#25
Chloroform
Concen: 0.283 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV011402.D
Acq: 11 Jun 2019 19:52

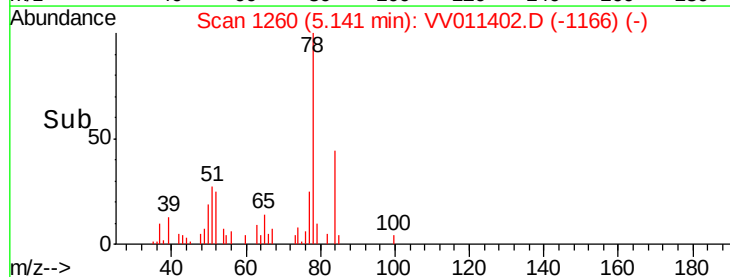
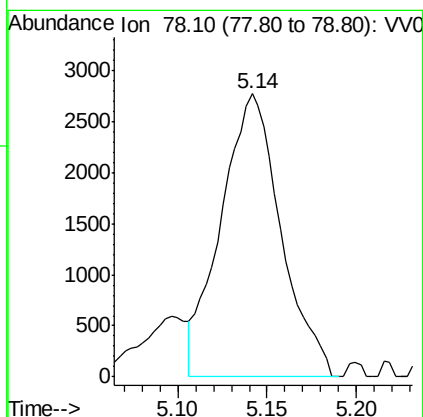
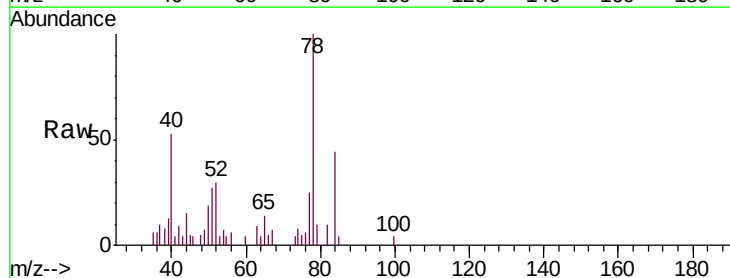
Instrument :
MSVOA_V
ClientSampled :
DB8G1

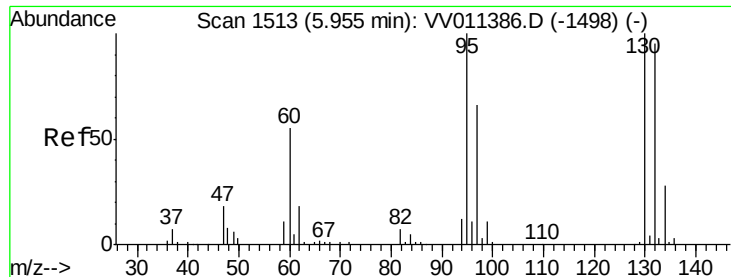
Tgt Ion: 83 Resp: 5232
Ion Ratio Lower Upper
83 100
85 79.9 44.1 81.9



#33
Benzene
Concen: 0.163 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VV011402.D
Acq: 11 Jun 2019 19:52

Tgt Ion: 78 Resp: 6491





#34

Trichloroethene

Concen: 64.937 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011402.D

Acq: 11 Jun 2019 19:52

Instrument :

MSVOA_V

ClientSampleId :

DB8G1

Tgt Ion: 95 Resp: 669544

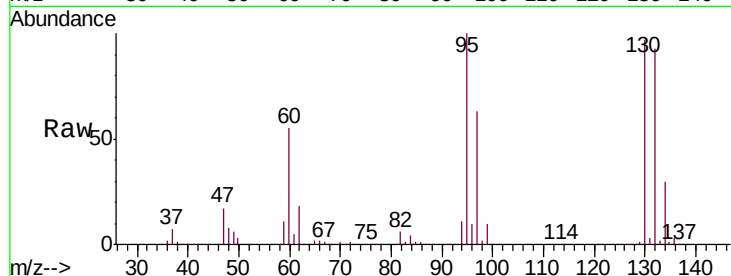
Ion Ratio Lower Upper

95 100

97 63.3 45.8 85.2

132 92.7 66.4 123.2

130 96.8 68.3 126.8

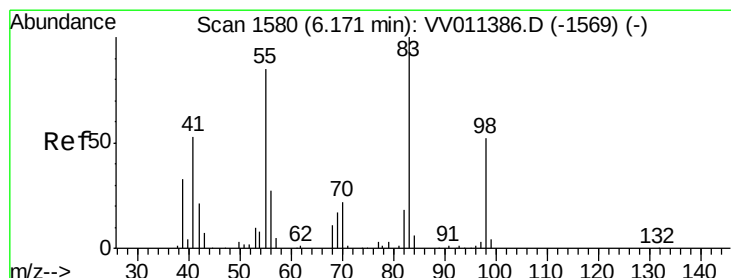
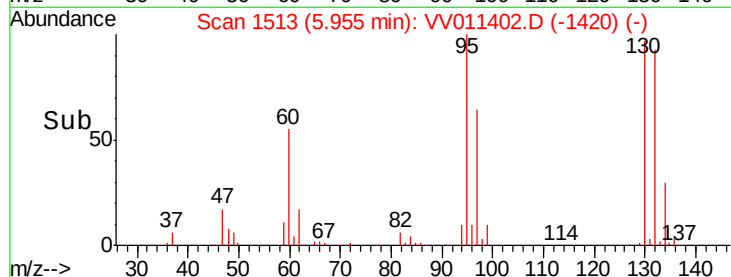
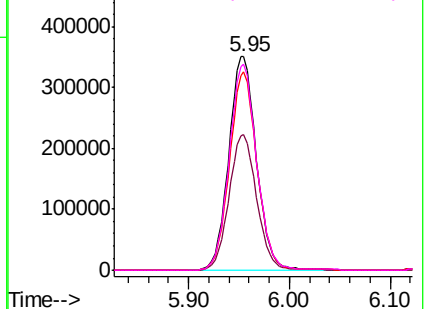


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.664 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV011402.D

Acq: 11 Jun 2019 19:52

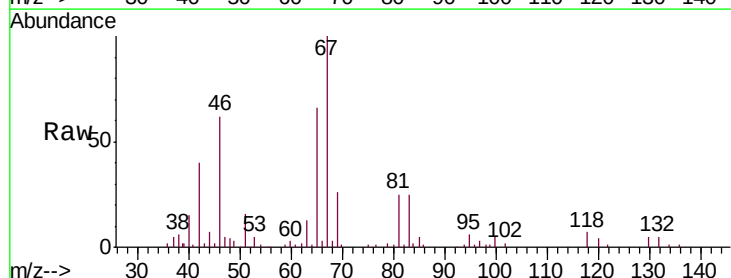
Tgt Ion: 83 Resp: 11314

Ion Ratio Lower Upper

83 100

55 1.2 67.0 100.6#

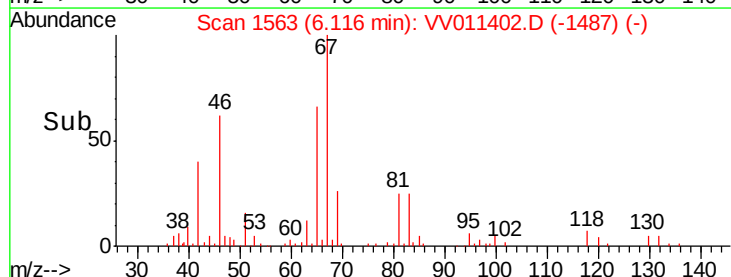
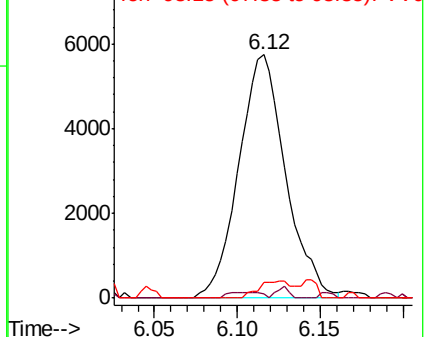
98 5.1 40.0 60.0#

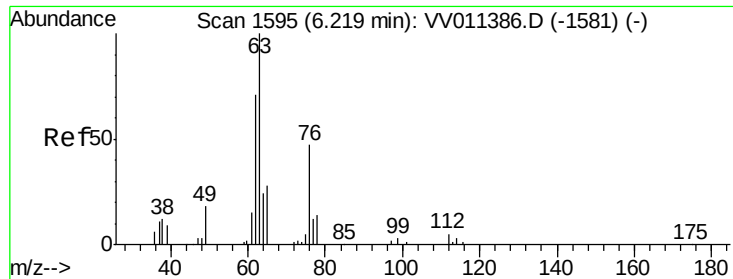


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

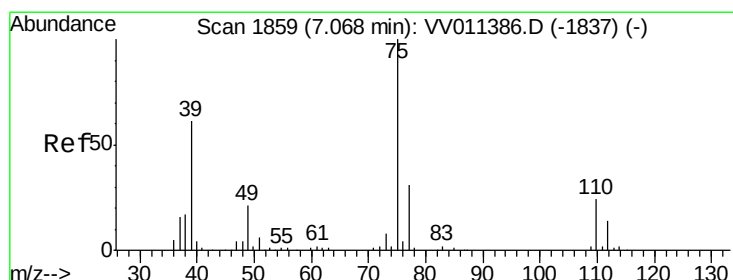
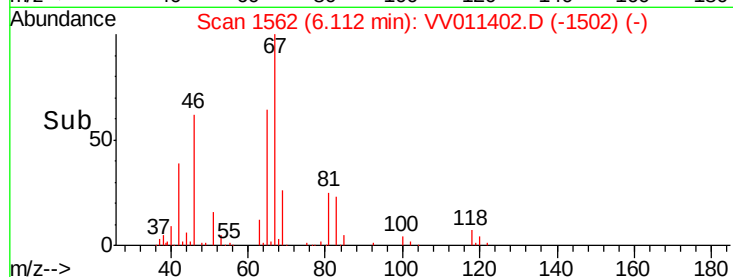
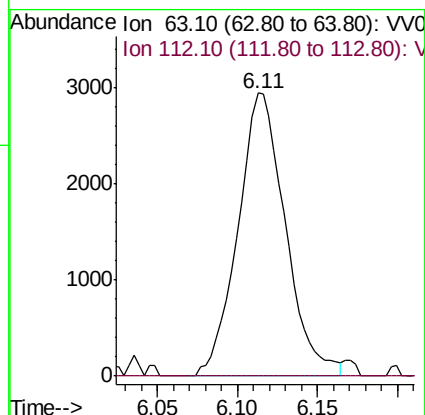
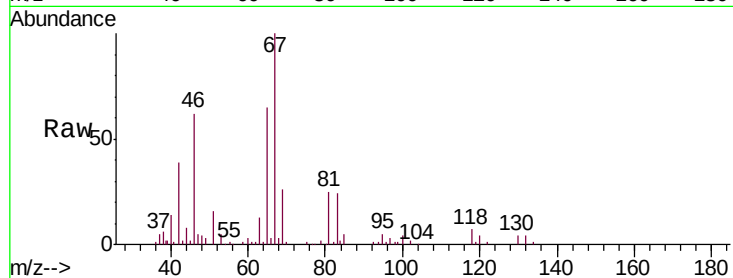




#37
 1,2-Dichloropropane
 Concen: 0.602 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.11 min
 Lab File: VV011402.D
 Acq: 11 Jun 2019 19:52

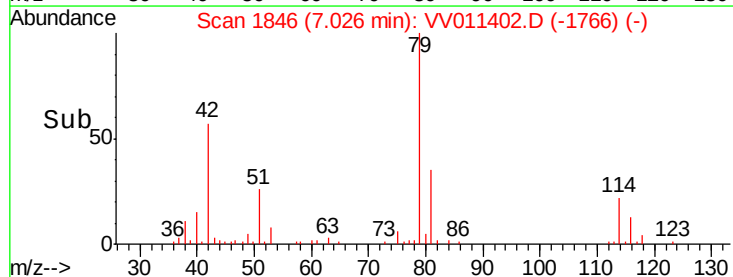
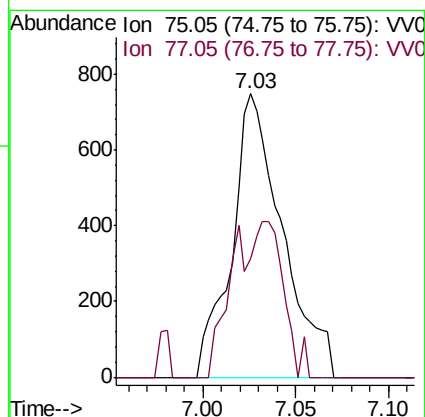
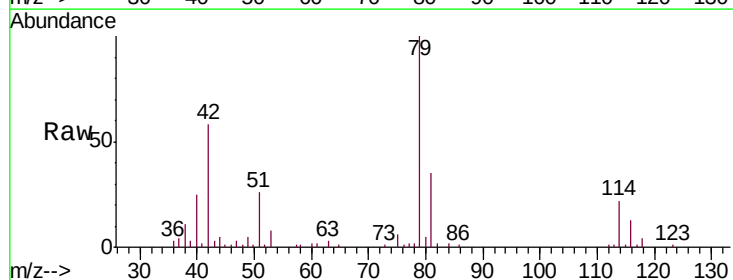
Instrument :
 MSVOA_V
 ClientSampleId :
 DB8G1

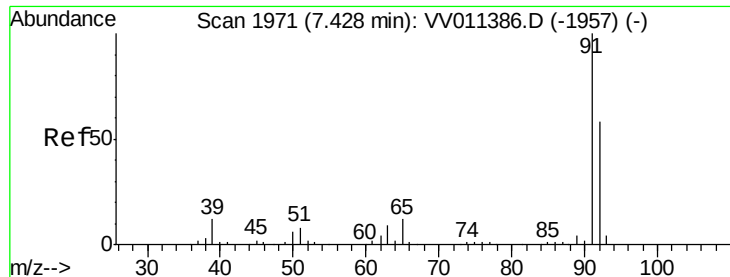
Tgt Ion: 63 Resp: 5984
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.098 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV011402.D
 Acq: 11 Jun 2019 19:52

Tgt Ion: 75 Resp: 1425
 Ion Ratio Lower Upper
 75 100
 77 42.0 22.2 41.2#





#42

Toluene

Concen: 0.080 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011402.D

Acq: 11 Jun 2019 19:52

Instrument :

MSVOA_V

ClientSampleId :

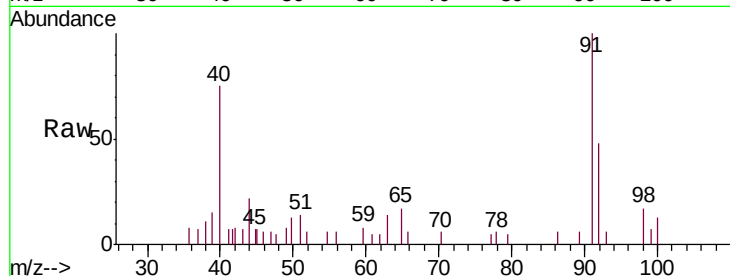
DB8G1

Tgt Ion: 91 Resp: 3392

Ion Ratio Lower Upper

91 100

92 48.1 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

2000

1500

1000

500

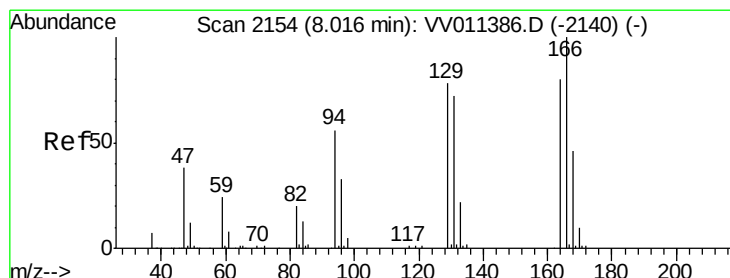
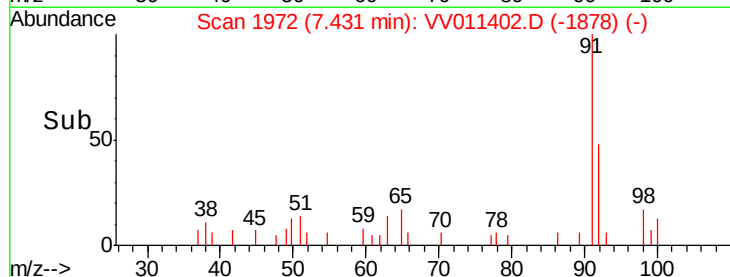
0

7.40

7.45

7.50

Time-->



#47

Tetrachloroethene

Concen: 0.122 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VV011402.D

Acq: 11 Jun 2019 19:52

Tgt Ion: 164 Resp: 909

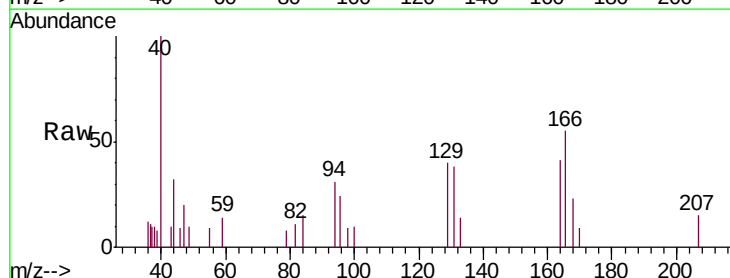
Ion Ratio Lower Upper

164 100

129 95.6 69.9 129.9

131 91.7 66.8 124.2

166 133.0 90.2 167.6



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

8.01

1000

800

600

400

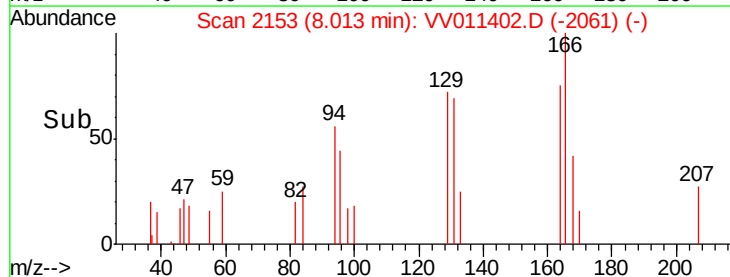
200

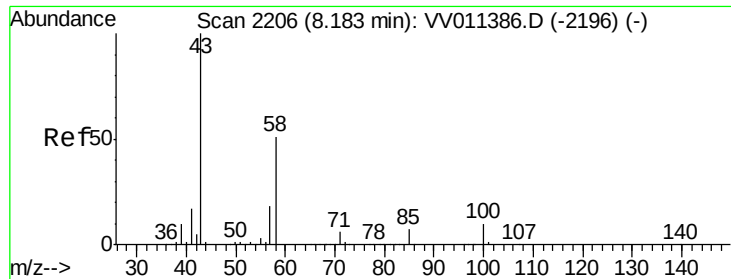
0

8.00

8.05

Time-->

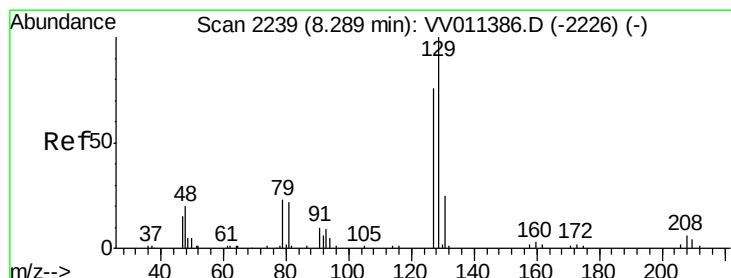
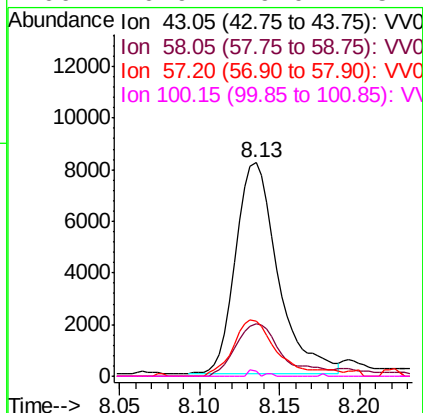
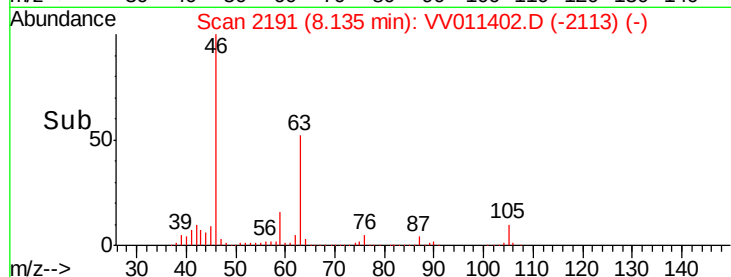
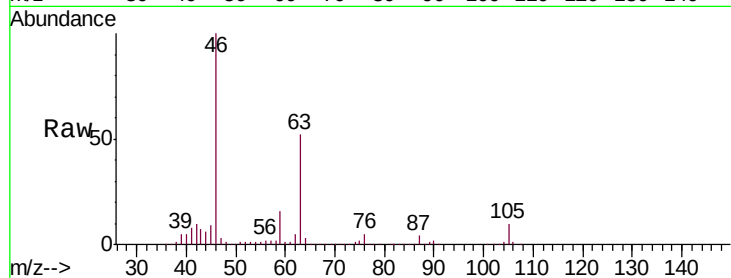




#48
2-Hexanone
Concen: 3.304 ug/L
RT: 8.13 min Scan# 2191
Delta R.T. -0.05 min
Lab File: VV011402.D
Acq: 11 Jun 2019 19:52

Instrument :
MSVOA_V
ClientSampleId :
DB8G1

Tgt Ion: 43 Resp: 14578
Ion Ratio Lower Upper
43 100
58 27.7 41.4 62.0#
57 28.4 15.0 22.4#
100 0.9 9.0 13.4#



#49
Dibromochloromethane
Concen: 0.124 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV011402.D
Acq: 11 Jun 2019 19:52

Tgt Ion: 129 Resp: 894
Ion Ratio Lower Upper
129 100
127 0.0 53.7 99.7#

