

Data File : VV011372.D
Acq On : 11 Jun 2019 03:38
Operator : SY/MD
Sample : K3229-05
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9P69

Quant Time: Jun 11 04:07:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 11 04:02:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	83097	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	81511	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	30902	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24036	3.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.40%
7) Chloroethane-d5	1.54	69	20845	3.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.60%
11) 1,1-Dichloroethene-d2	2.11	63	37839	3.01	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.20%
20) 2-Butanone-d5	3.95	46	112122	79.09	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	158.18%#
24) Chloroform-d	4.40	84	51085	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.08	65	33653	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.40%
32) Benzene-d6	5.09	84	97424	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.00%
36) 1,2-Dichloropropane-d6	6.11	67	33285	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.60%
41) Toluene-d8	7.36	98	83495	3.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.60%
43) trans-1,3-Dichloropropene-	7.66	79	8933	3.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	62.40%
46) 2-Hexanone-d5	8.14	63	88741	73.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	146.72%#
57) 1,1,2,2-Tetrachloroethane-	10.26	84	34595	6.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	135.00%#
64) 1,2-Dichlorobenzene-d4	11.67	152	31992	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

						Qvalue
3) Chloromethane	1.25	50	2079	0.262	ug/L	95
5) Vinyl chloride	1.32	62	45878	6.001	ug/L	91
6) Bromomethane	1.51	94	979	0.246	ug/L	91
8) Chloroethane	1.59	64	781	0.160	ug/L #	61
13) Acetone	2.20	43	5461	5.746	ug/L	79
15) Methyl Acetate	2.46	43	1158	0.459	ug/L #	84
27) 1,2-Dichloroethane	5.18	62	844	0.116	ug/L #	76
30) Cyclohexane	4.71	56	6456	0.560	ug/L #	28
34) Trichloroethene	5.96	95	609	0.091	ug/L #	80
35) Methylcyclohexane	6.11	83	8032	0.725	ug/L #	16
37) 1,2-Dichloropropane	6.12	63	4347	0.673	ug/L #	86
42) Toluene	7.43	91	6680	0.242	ug/L	94
48) 2-Hexanone	8.14	43	12591	4.392	ug/L #	73
52) Ethylbenzene	9.06	91	8308	0.271	ug/L	99
53) m,p-xylene	9.18	106	13838	1.219	ug/L	96
54) o-xylene	9.59	106	11331	1.017	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.45	75	65	0.096	ug/L #	8

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

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QLast Update : Tue Jun 11 04:02:46 2019
Response via : Initial Calibration

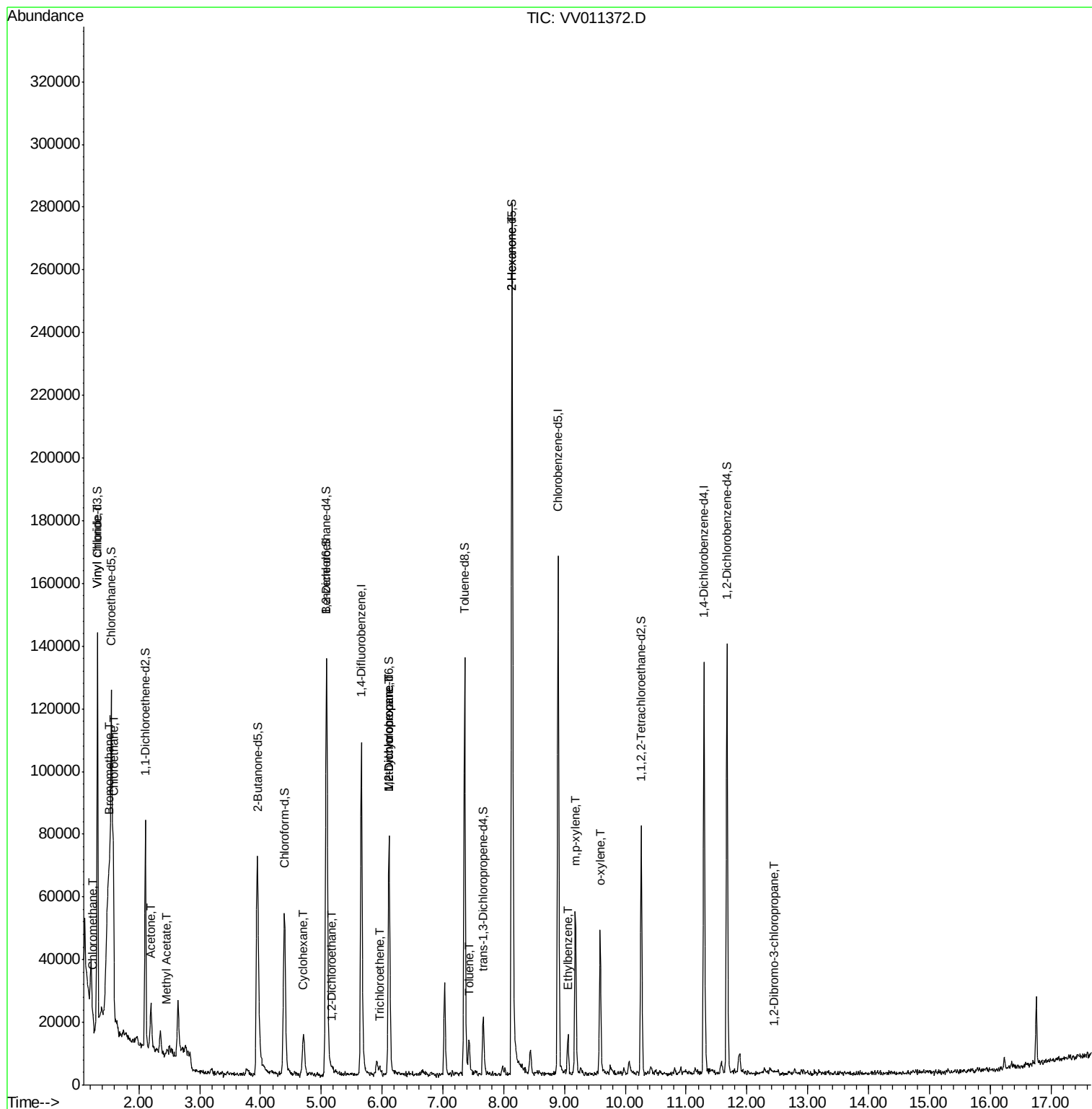
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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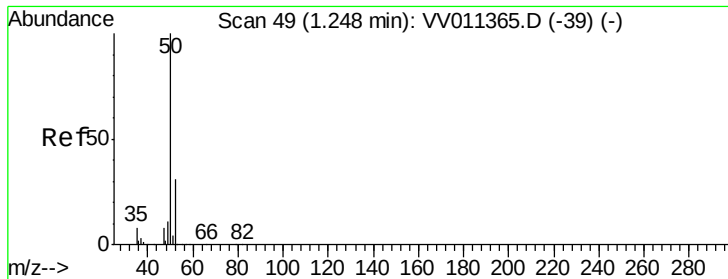
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.262 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV011372.D

Acq: 11 Jun 2019 03:38

Instrument :

MSVOA_V

ClientSampled :

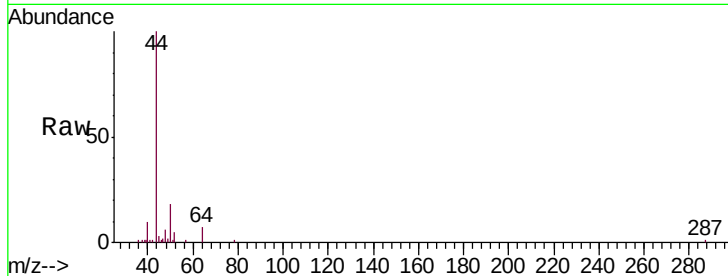
F9P69

Tgt Ion: 50 Resp: 2079

Ion Ratio Lower Upper

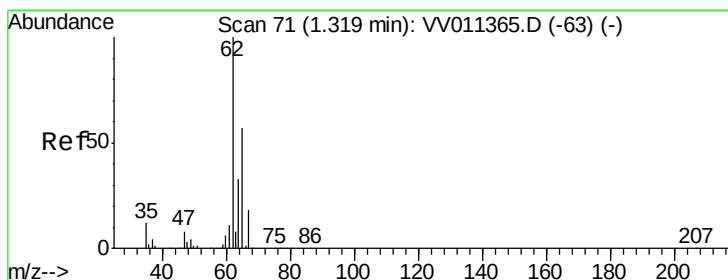
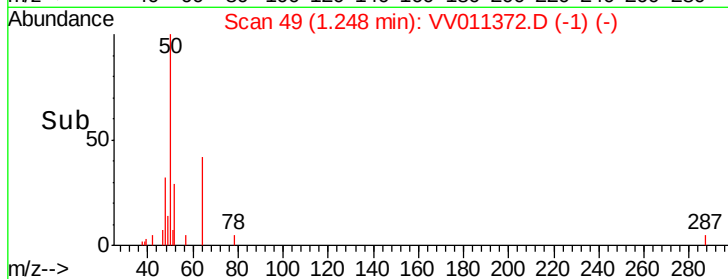
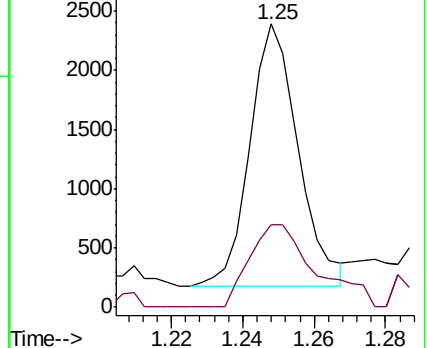
50 100

52 29.0 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 6.001 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011372.D

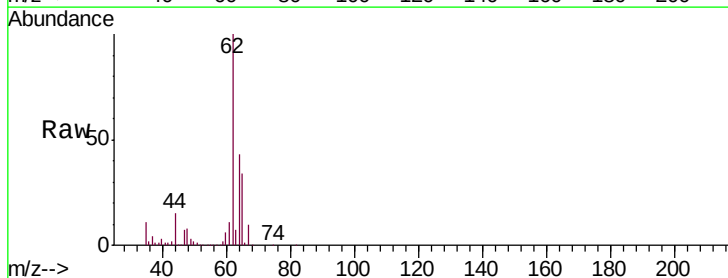
Acq: 11 Jun 2019 03:38

Tgt Ion: 62 Resp: 45878

Ion Ratio Lower Upper

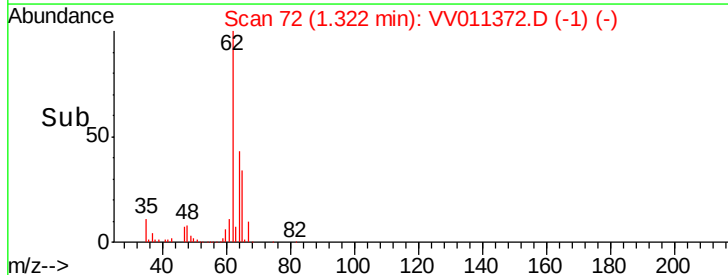
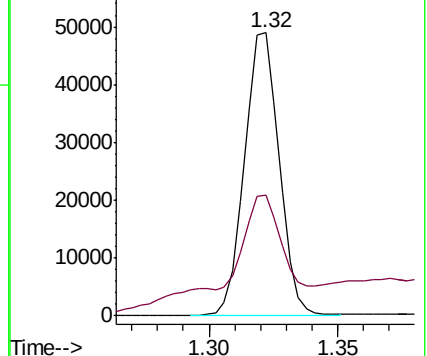
62 100

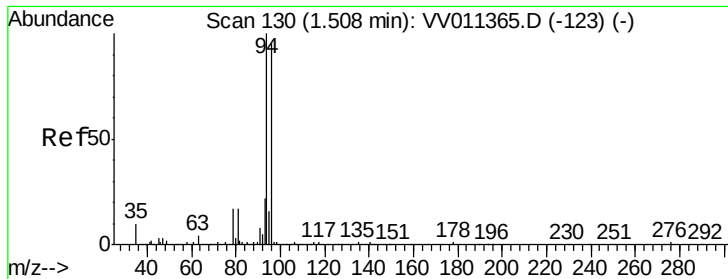
64 42.5 25.9 48.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0





#6

Bromomethane

Concen: 0.246 ug/L

RT: 1.51 min Scan# 129

Delta R.T. -0.00 min

Lab File: VV011372.D

Acq: 11 Jun 2019 03:38

Instrument :

MSVOA_V

ClientSampled :

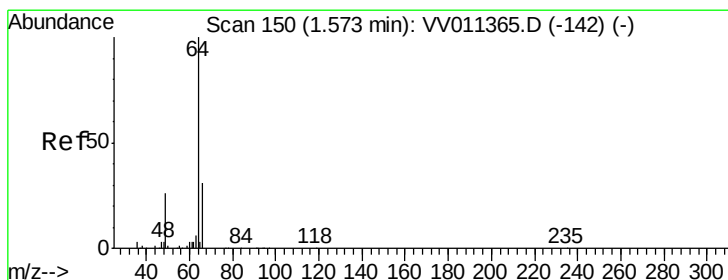
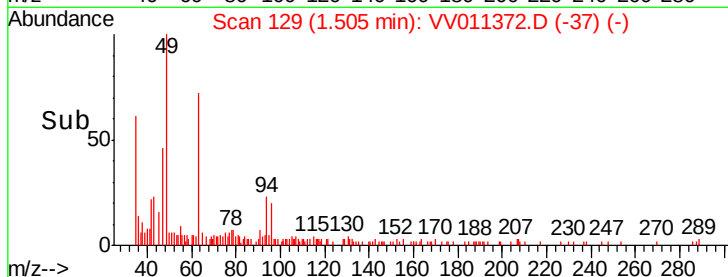
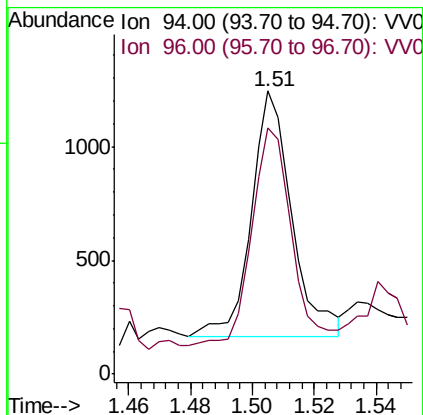
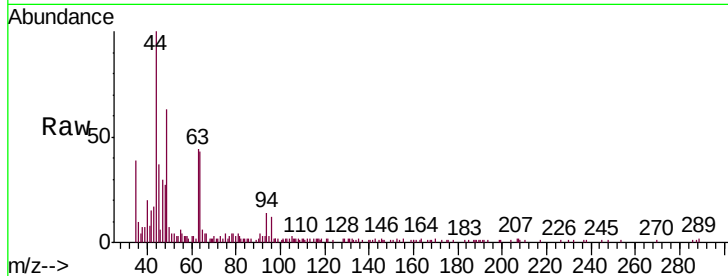
F9P69

Tgt Ion: 94 Resp: 979

Ion Ratio Lower Upper

94 100

96 86.9 67.0 124.4



#8

Chloroethane

Concen: 0.160 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.02 min

Lab File: VV011372.D

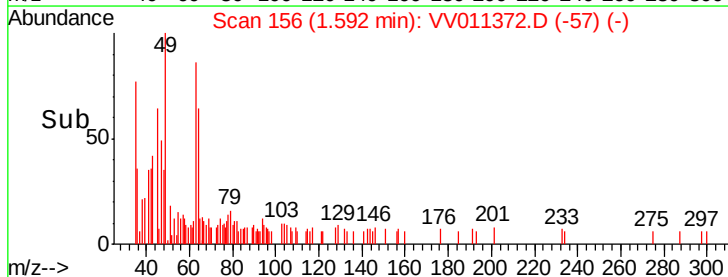
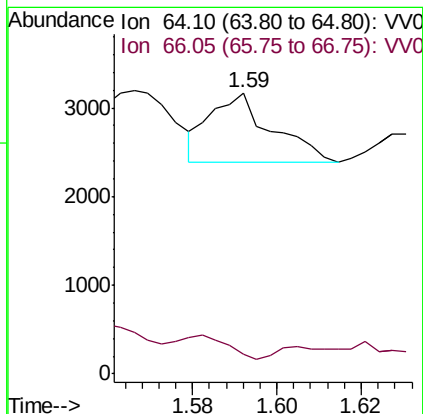
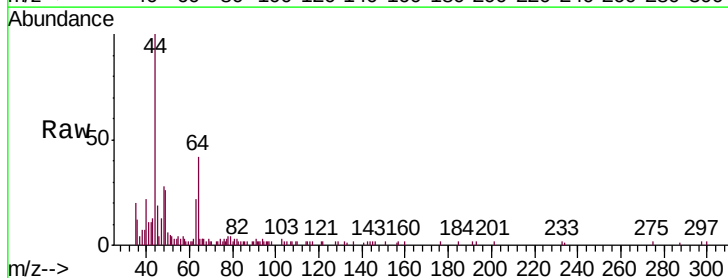
Acq: 11 Jun 2019 03:38

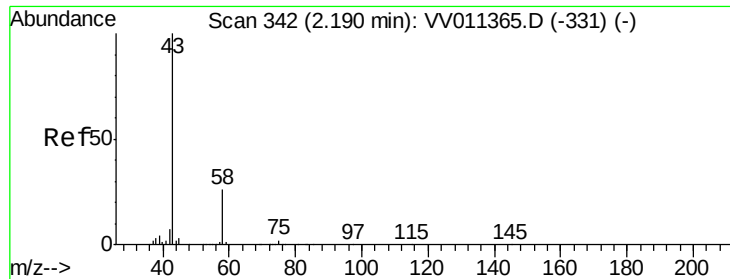
Tgt Ion: 64 Resp: 781

Ion Ratio Lower Upper

64 100

66 7.1 19.4 36.0#





#13

Acetone

Concen: 5.746 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.01 min

Lab File: VV011372.D

Acq: 11 Jun 2019 03:38

Instrument :

MSVOA_V

ClientSampleId :

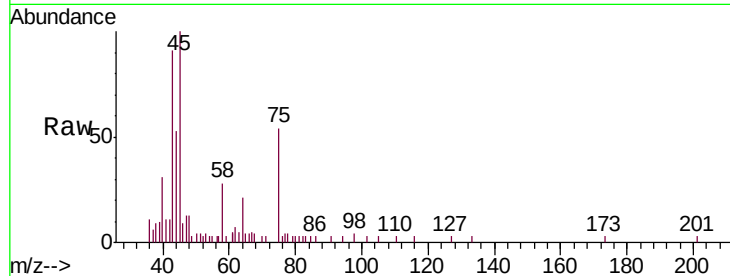
F9P69

Tgt Ion: 43 Resp: 5461

Ion Ratio Lower Upper

43 100

58 38.4 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.20

4000

3000

2000

1000

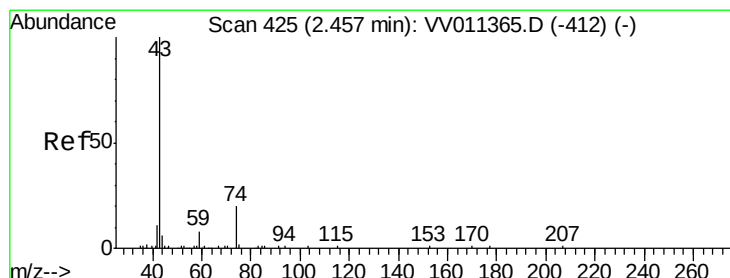
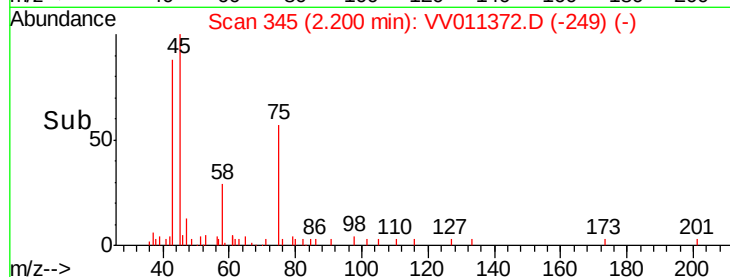
0

Time-->

2.15

2.20

2.25



#15

Methyl Acetate

Concen: 0.459 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.00 min

Lab File: VV011372.D

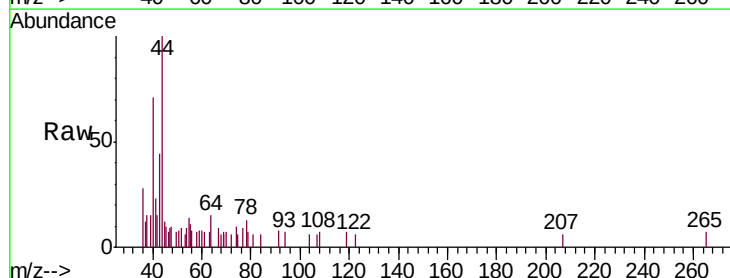
Acq: 11 Jun 2019 03:38

Tgt Ion: 43 Resp: 1158

Ion Ratio Lower Upper

43 100

74 15.2 18.5 27.7#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.46

800

600

400

200

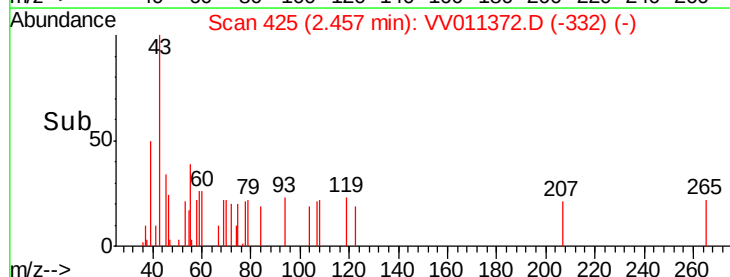
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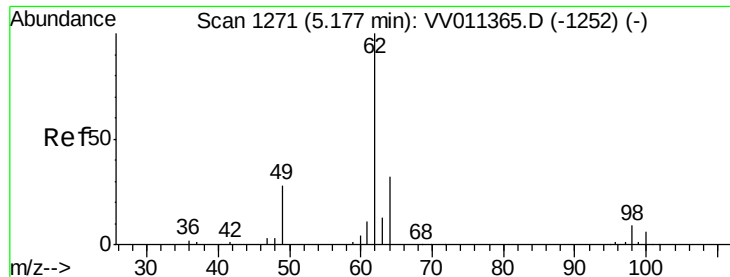
Time-->

2.40

2.45

2.50





#27

1,2-Dichloroethane

Concen: 0.116 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VV011372.D

Acq: 11 Jun 2019 03:38

Instrument :

MSVOA_V

ClientSampled :

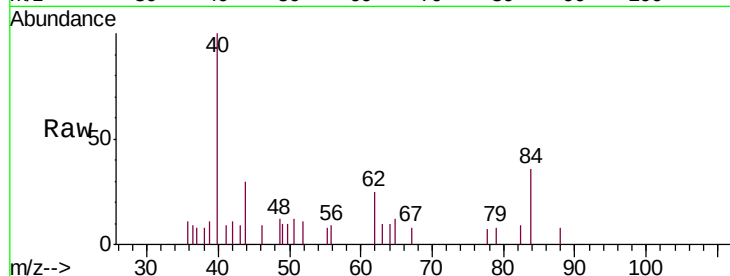
F9P69

Tgt Ion: 62 Resp: 844

Ion Ratio Lower Upper

62 100

98 0.0 6.9 10.3#



Abundance Ion 62.00 (61.70 to 62.70): VV011365.D (-1252) (-)

Ion 98.05 (97.75 to 98.75): VV011365.D (-1252) (-)

5.18

300

200

100

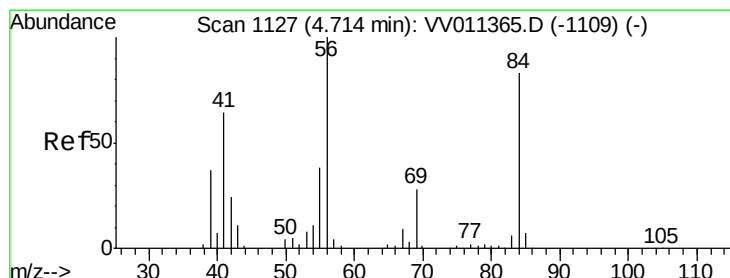
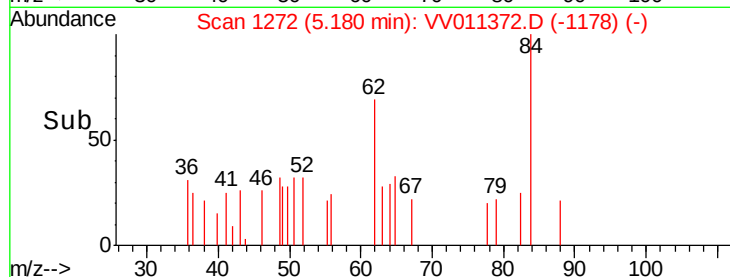
0

5.15

5.20

5.25

Time-->



#30

Cyclohexane

Concen: 0.560 ug/L

RT: 4.71 min Scan# 1127

Delta R.T. 0.00 min

Lab File: VV011372.D

Acq: 11 Jun 2019 03:38

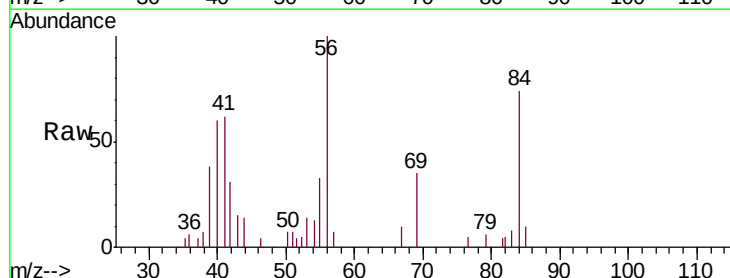
Tgt Ion: 56 Resp: 6456

Ion Ratio Lower Upper

56 100

69 22.2 24.1 36.1#

84 0.0 66.4 99.6#



Abundance Ion 56.10 (55.80 to 56.80): VV011365.D (-1109) (-)

Ion 69.15 (68.85 to 69.85): VV011365.D (-1109) (-)

Ion 84.15 (83.85 to 84.85): VV011365.D (-1109) (-)

4.71

3000

2000

1000

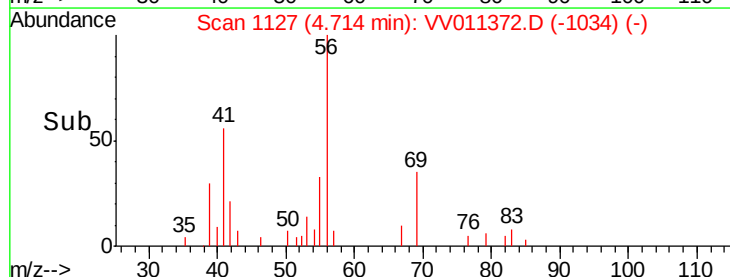
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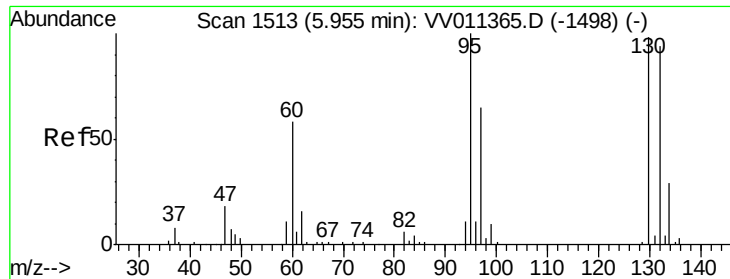
4.65

4.70

4.75

Time-->





#34

Trichloroethene

Concen: 0.091 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV011372.D

Acq: 11 Jun 2019 03:38

Instrument :

MSVOA_V

ClientSampleId :

F9P69

Tgt Ion: 95 Resp: 609

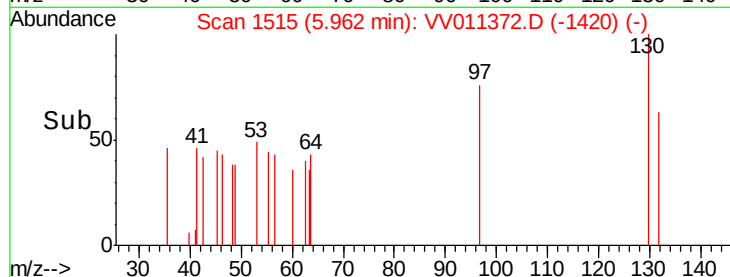
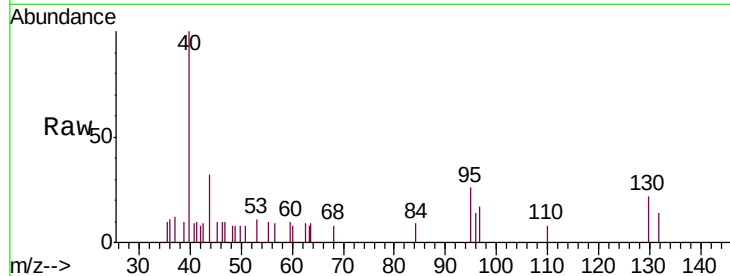
Ion Ratio Lower Upper

95 100

97 65.7 45.8 85.2

132 54.0 66.4 123.2#

130 86.3 68.3 126.8

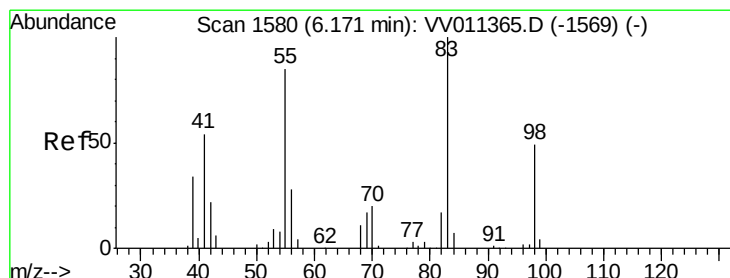
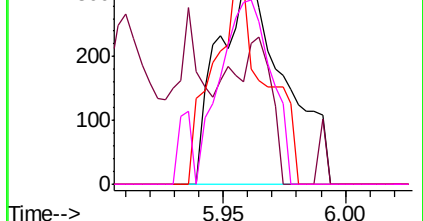


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.725 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV011372.D

Acq: 11 Jun 2019 03:38

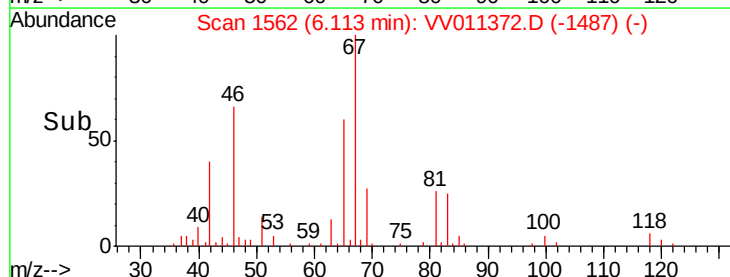
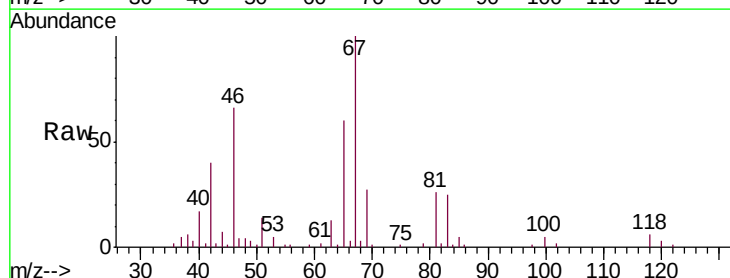
Tgt Ion: 83 Resp: 8032

Ion Ratio Lower Upper

83 100

55 1.6 67.0 100.6#

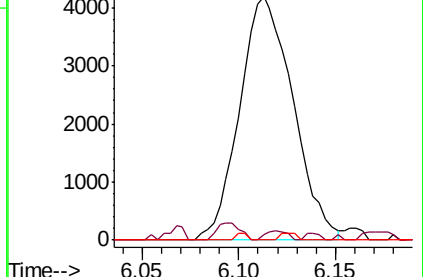
98 0.8 40.0 60.0#

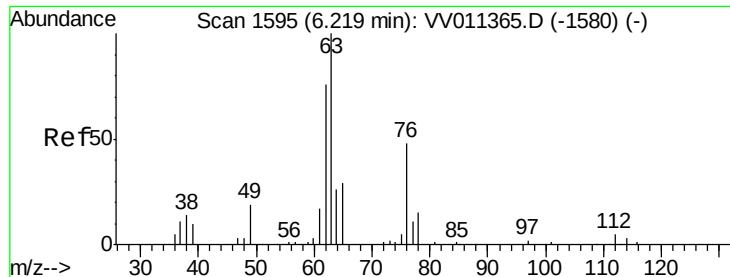


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

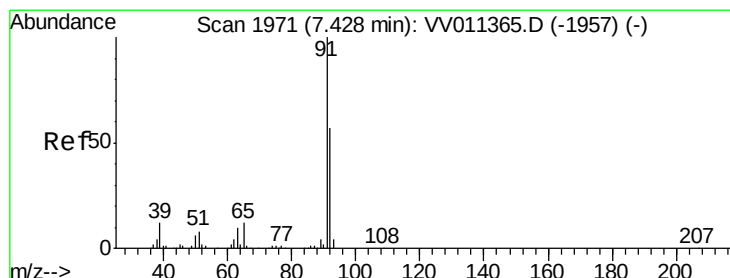
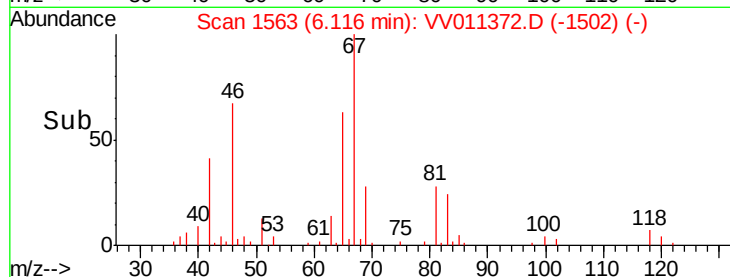
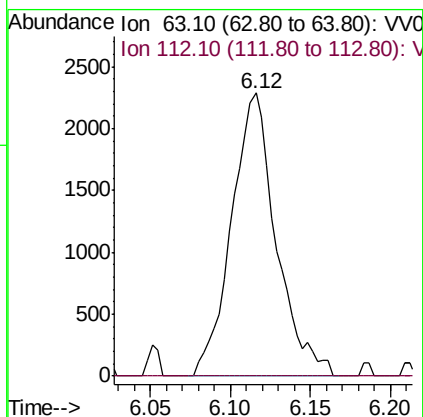
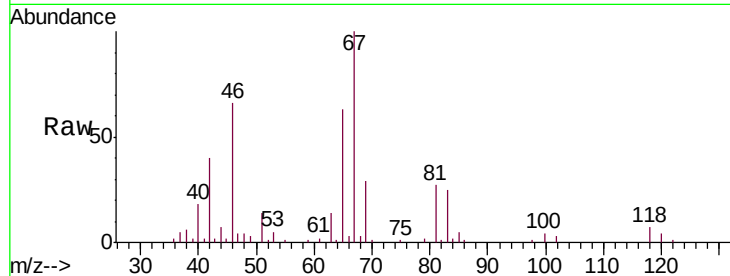




#37
 1,2-Dichloropropane
 Concen: 0.673 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV011372.D
 Acq: 11 Jun 2019 03:38

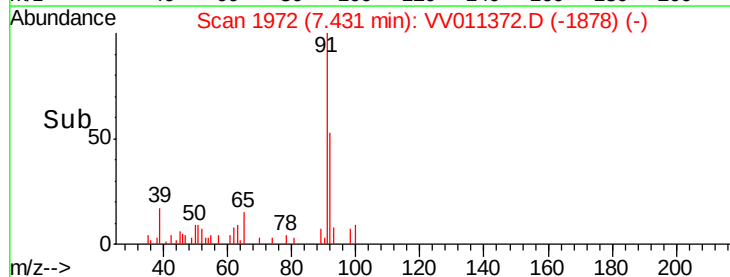
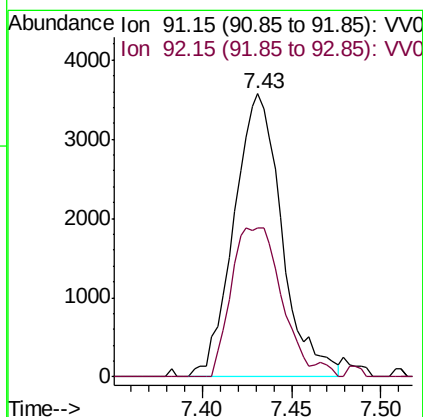
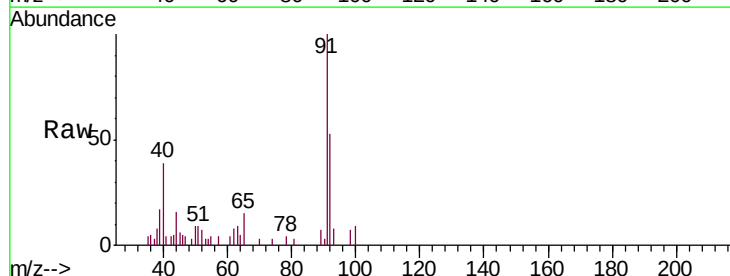
Instrument :
 MSVOA_V
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 F9P69

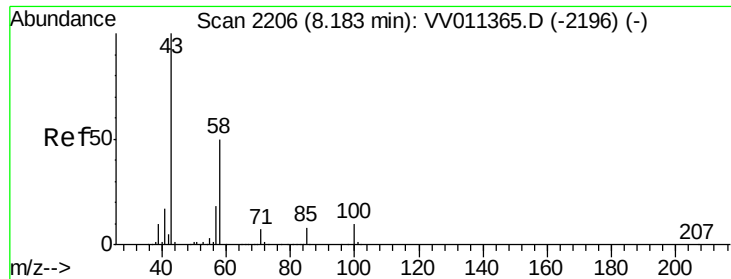
Tgt Ion: 63 Resp: 4347
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#42
 Toluene
 Concen: 0.242 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV011372.D
 Acq: 11 Jun 2019 03:38

Tgt Ion: 91 Resp: 6680
 Ion Ratio Lower Upper
 91 100
 92 52.7 39.9 74.1

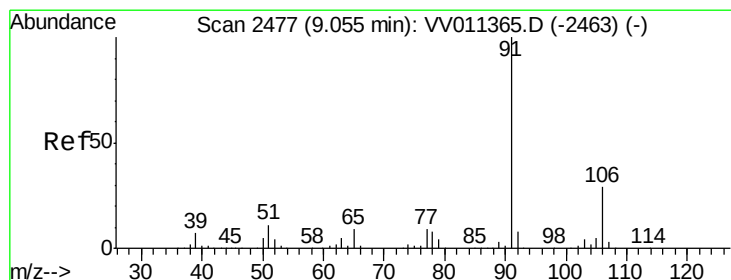
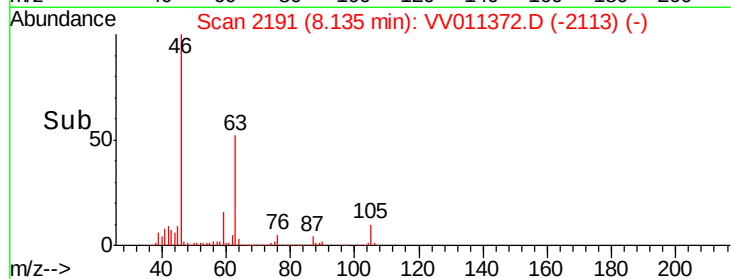
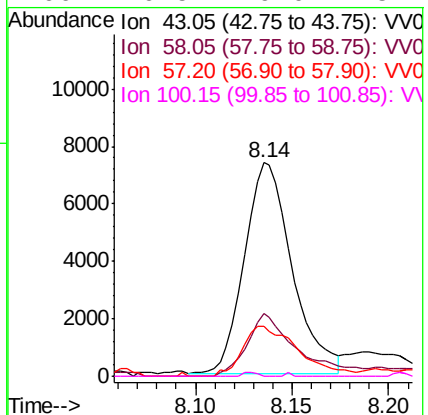
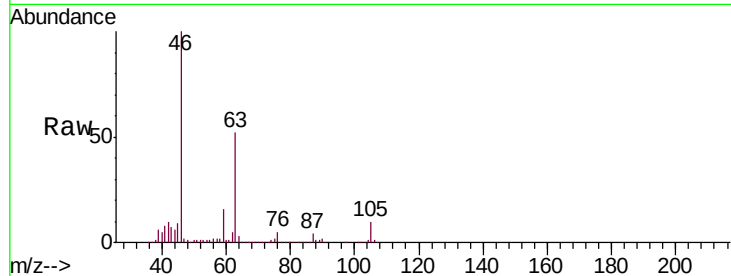




#48
2-Hexanone
Concen: 4.392 ug/L
RT: 8.14 min Scan# 2191
Delta R.T. -0.05 min
Lab File: VV011372.D
Acq: 11 Jun 2019 03:38

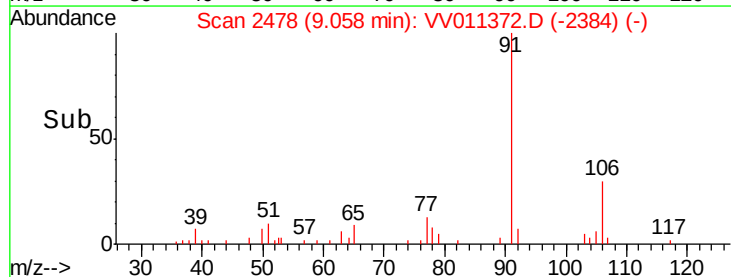
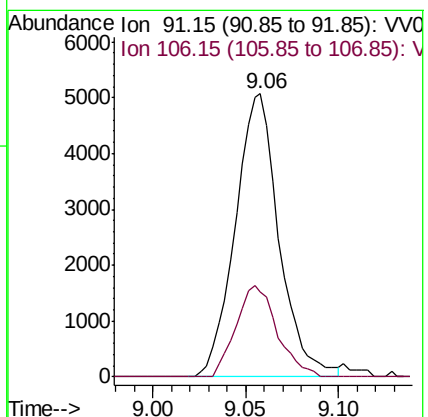
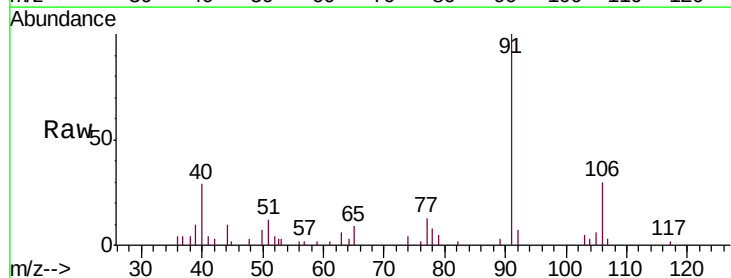
Instrument :
MSVOA_V
ClientSampleId :
F9P69

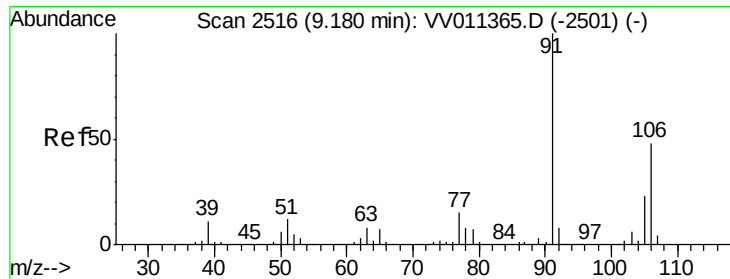
Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.7	41.4	62.0#
57	27.8	15.0	22.4#
100	0.5	9.0	13.4#



#52
Ethylbenzene
Concen: 0.271 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV011372.D
Acq: 11 Jun 2019 03:38

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.9	21.5	39.9





#53

m,p-xylene

Concen: 1.219 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011372.D

Acq: 11 Jun 2019 03:38

Instrument :

MSVOA_V

ClientSampleId :

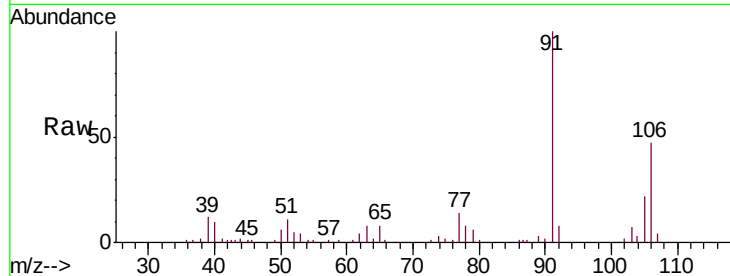
F9P69

Tgt Ion:106 Resp: 13838

Ion Ratio Lower Upper

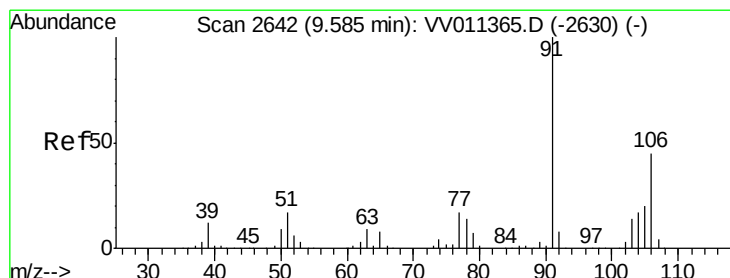
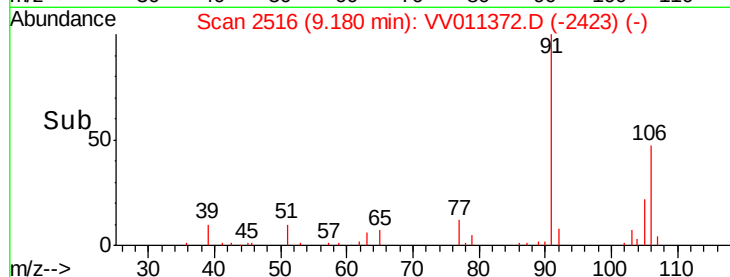
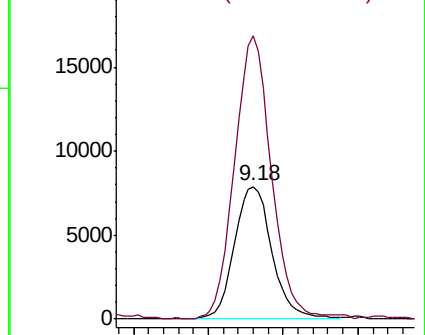
106 100

91 213.7 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 1.017 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV011372.D

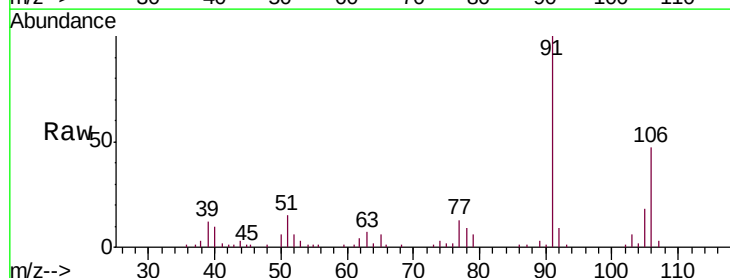
Acq: 11 Jun 2019 03:38

Tgt Ion:106 Resp: 11331

Ion Ratio Lower Upper

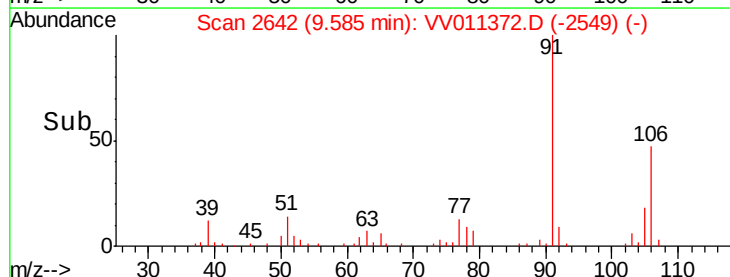
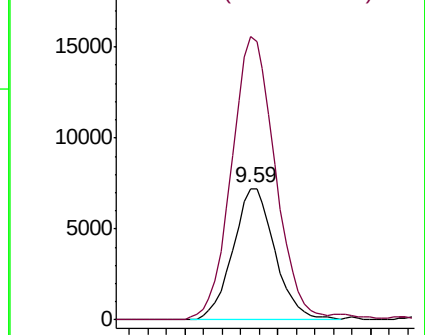
106 100

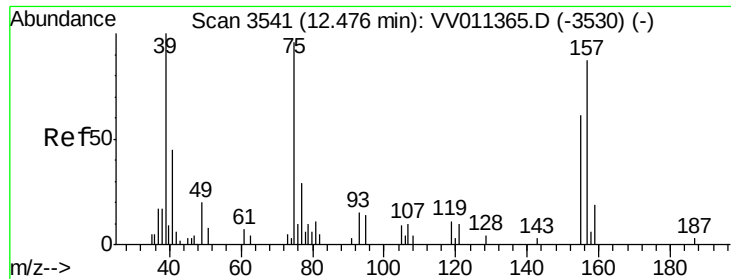
91 215.0 155.4 288.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#66

1,2-Dibromo-3-chloropropane

Concen: 0.096 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.03 min

Lab File: VV011372.D

Acq: 11 Jun 2019 03:38

Instrument :

MSVOA_V

ClientSampleId :

F9P69

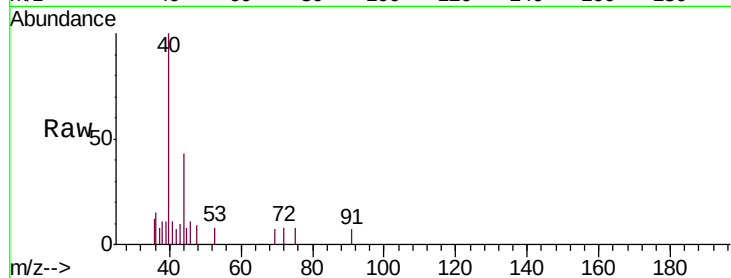
Tgt Ion: 75 Resp: 65

Ion Ratio Lower Upper

75 100

155 0.0 64.4 96.6#

157 0.0 66.7 100.1#



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

