

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062119\
 Data File : VX010384.D
 Acq On : 21 Jun 2019 15:01
 Operator : JC/SP
 Sample : K3473-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Quant Time: Jun 22 00:26:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	292677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	447417	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	399154	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182190	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	136948	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
35) Dibromofluoromethane	5.50	113	137724	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
50) Toluene-d8	8.71	98	522833	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	11.13	95	174689	46.20	ug/l	0.00
Spiked Amount			Recovery	=	92.40%	

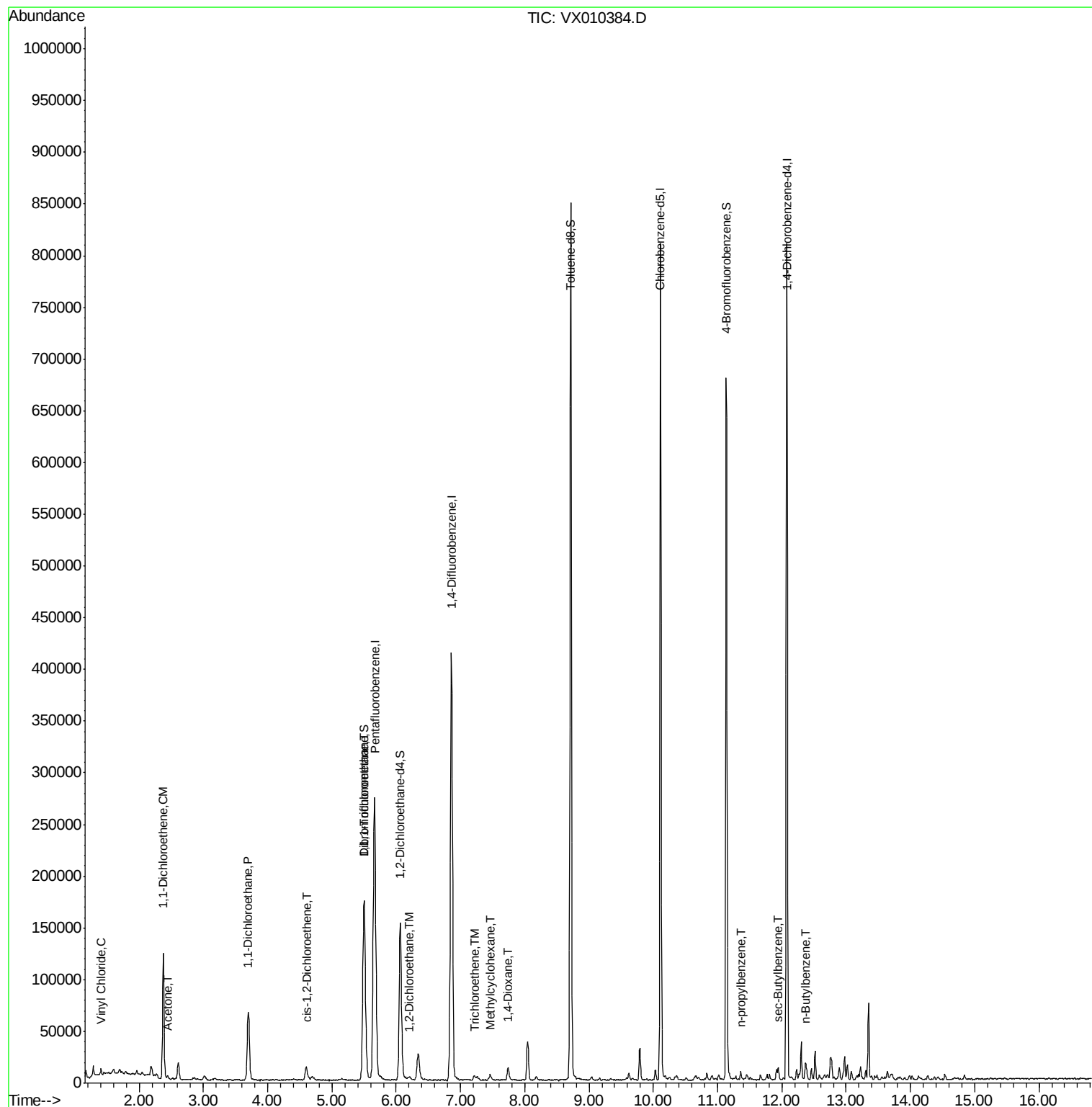
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	3509	1.352	ug/l #	83
12) 1,1-Dichloroethene	2.37	96	46506	18.332	ug/l	99
16) Acetone	2.44	43	3132	2.277	ug/l	92
24) 1,1-Dichloroethane	3.70	63	74258	17.060	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	8551	2.712	ug/l	90
32) 1,1,1-Trichloroethane	5.50	97	12239	2.960	ug/l	94
39) Methylcyclohexane	7.46	83	2580	0.552	ug/l	96
42) 1,2-Dichloroethane	6.20	62	3587	1.064	ug/l	90
44) Trichloroethene	7.22	130	1713	0.517	ug/l	98
49) 1,4-Dioxane	7.74	88	10708	132.147	ug/l	98
78) n-propylbenzene	11.36	91	4667	0.344	ug/l	100
85) sec-Butylbenzene	11.94	105	5497	0.458	ug/l	100
89) n-Butylbenzene	12.38	91	4077	0.432	ug/l #	64

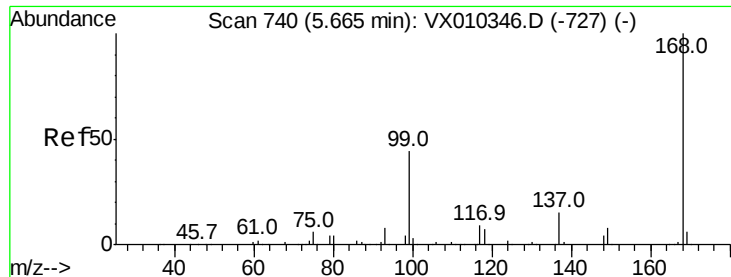
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010384.D

Acq: 21 Jun 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

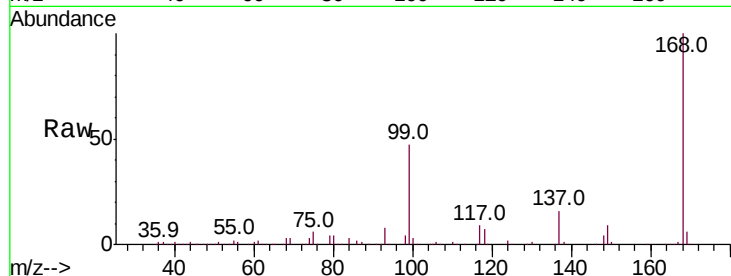
MW-2

Tot Ion:168 Resp: 292677

Ion Ratio Lower Upper

168 100

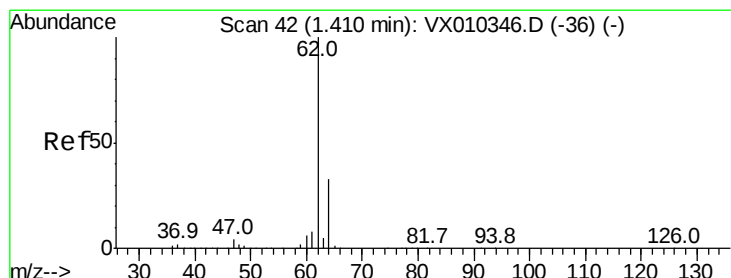
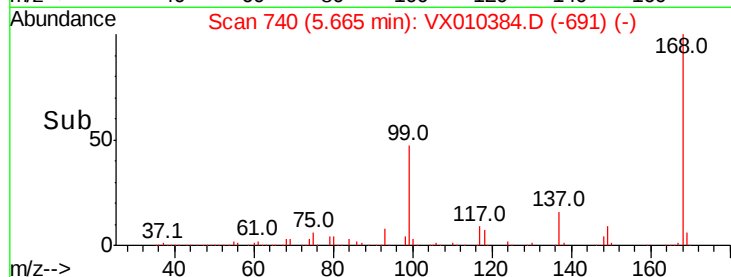
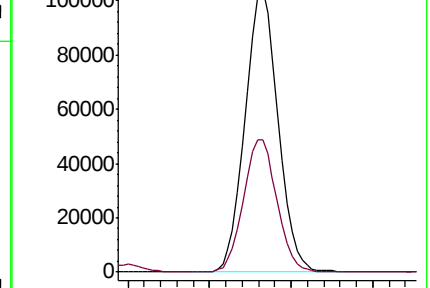
99 46.9 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66



#4

Vinyl Chloride

Concen: 1.352 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010384.D

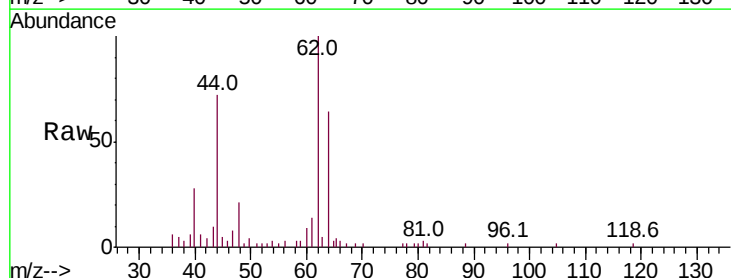
Acq: 21 Jun 2019 15:01

Tgt Ion: 62 Resp: 3509

Ion Ratio Lower Upper

62 100

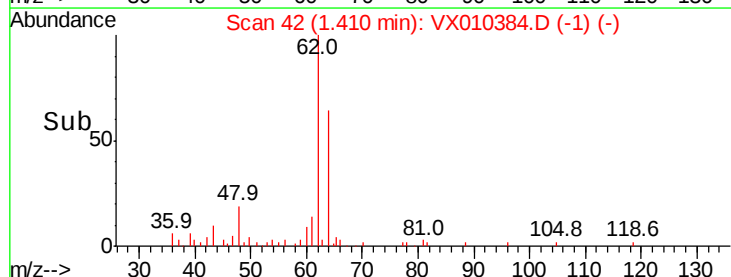
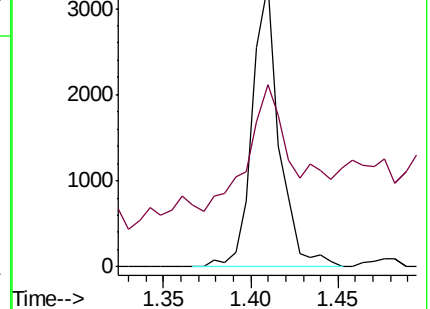
64 42.3 26.2 39.4#

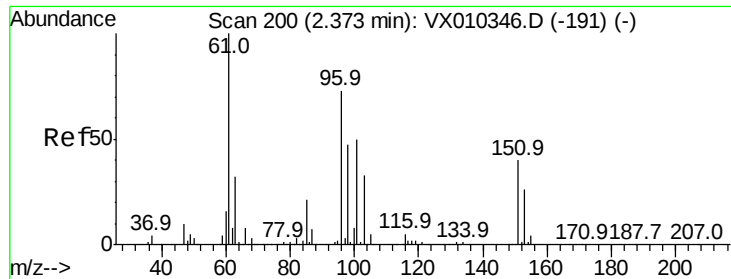


Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41





#12

1,1-Dichloroethene

Concen: 18.332 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX010384.D

Acq: 21 Jun 2019 15:01

Instrument :

MSVOA_X

ClientSampled :

MW-2

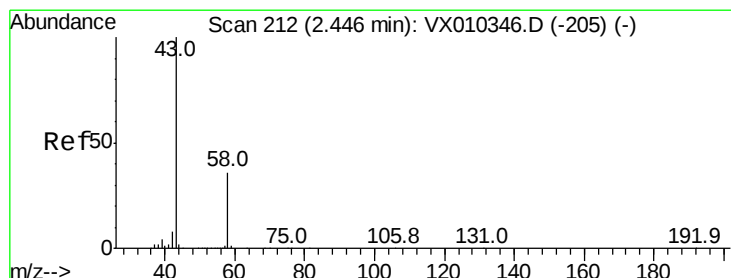
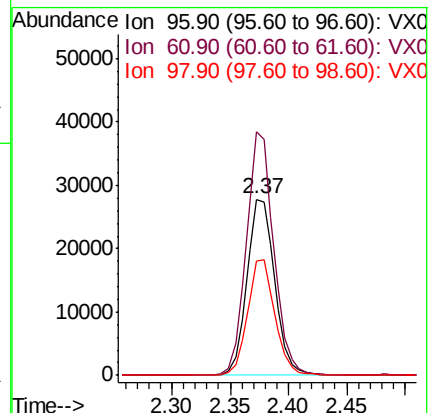
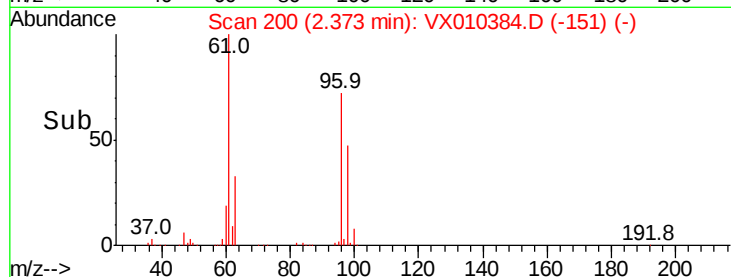
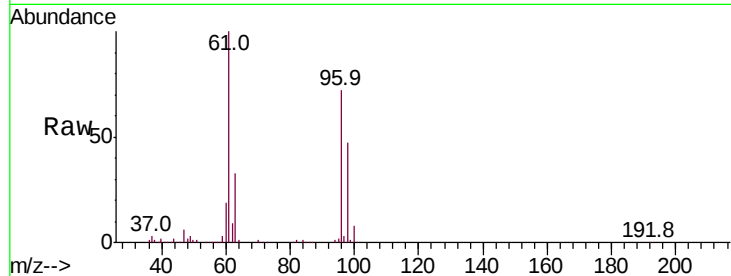
Tot Ion: 96 Resp: 46506

Ion Ratio Lower Upper

96 100

61 138.5 109.2 163.8

98 64.7 51.1 76.7



#16

Acetone

Concen: 2.277 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010384.D

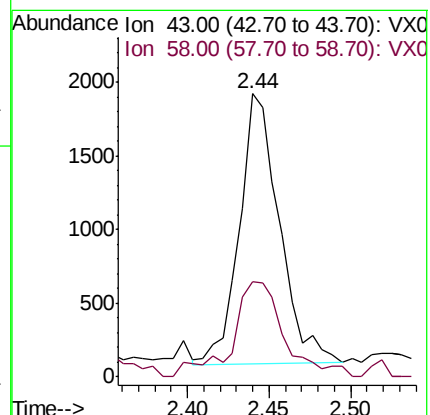
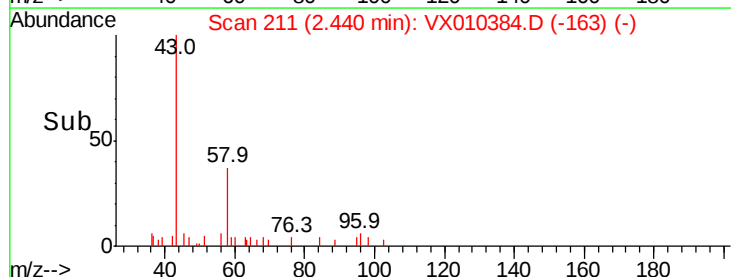
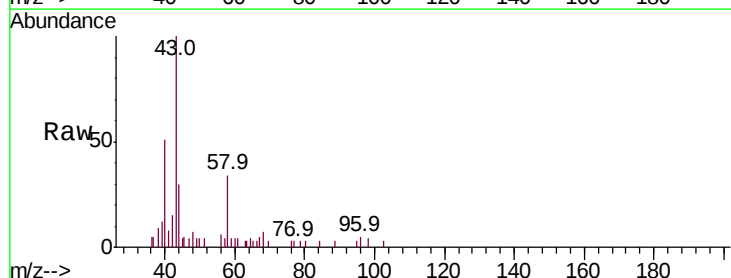
Acq: 21 Jun 2019 15:01

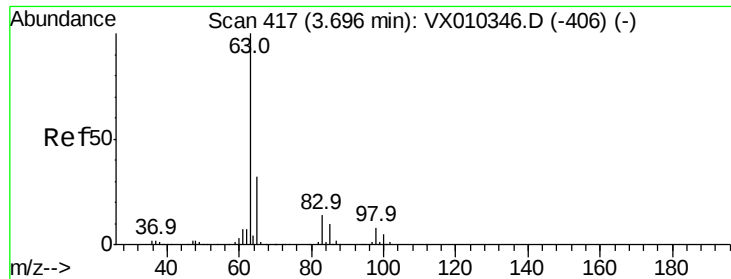
Tgt Ion: 43 Resp: 3132

Ion Ratio Lower Upper

43 100

58 31.6 28.9 43.3





#24

1,1-Dichloroethane

Concen: 17.060 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010384.D

Acq: 21 Jun 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

MW-2

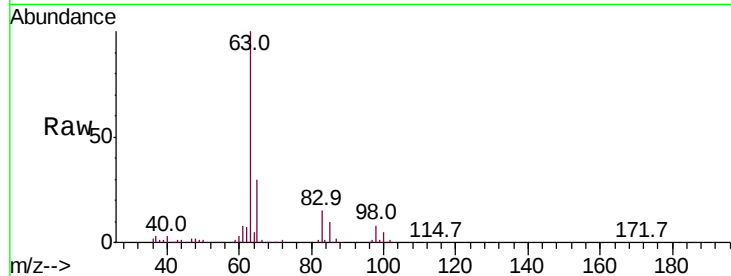
Tot Ion: 63 Resp: 74258

Ion Ratio Lower Upper

63 100

98 8.1 3.9 11.7

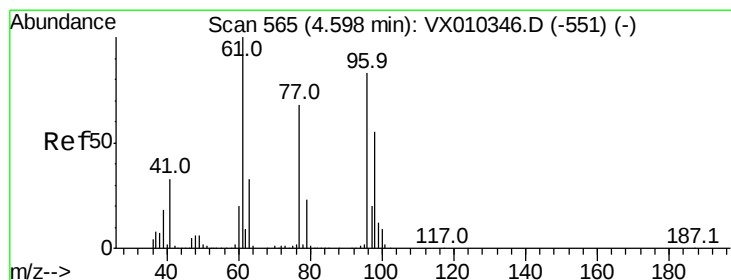
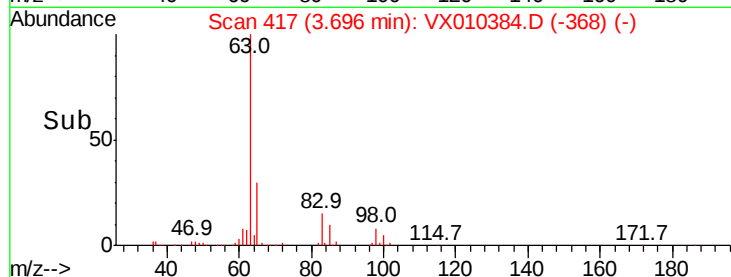
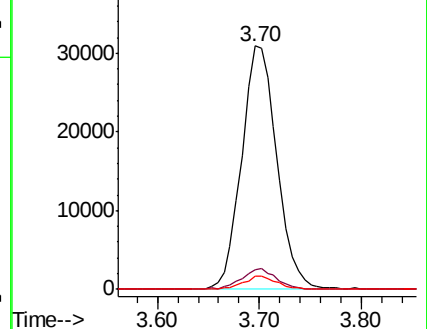
100 5.2 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 2.712 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX010384.D

Acq: 21 Jun 2019 15:01

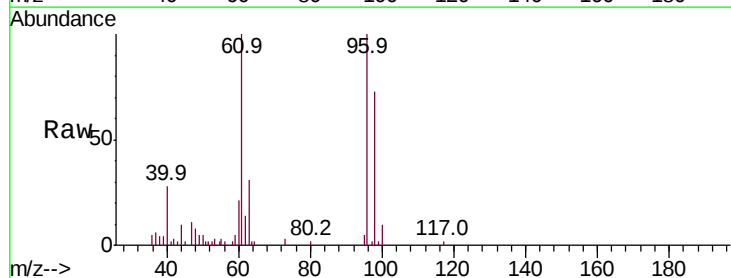
Tgt Ion: 96 Resp: 8551

Ion Ratio Lower Upper

96 100

61 110.2 0.0 251.8

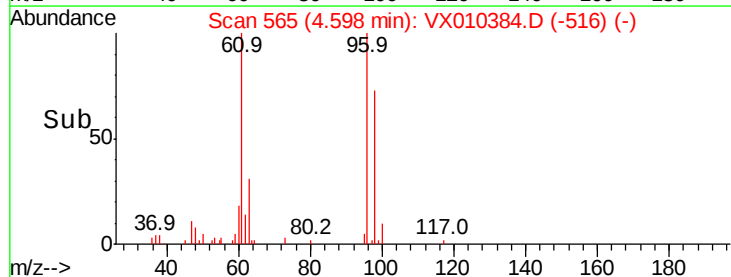
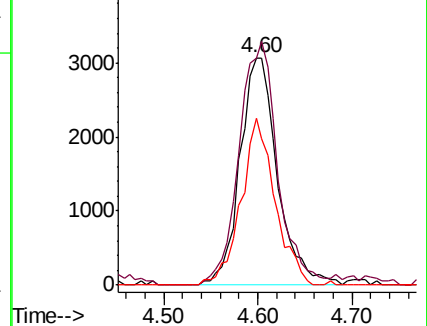
98 66.5 0.0 129.4

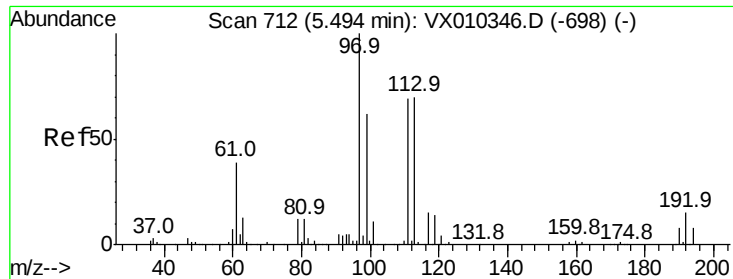


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#32

1,1,1-Trichloroethane

Concen: 2.960 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX010384.D

Acq: 21 Jun 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

MW-2

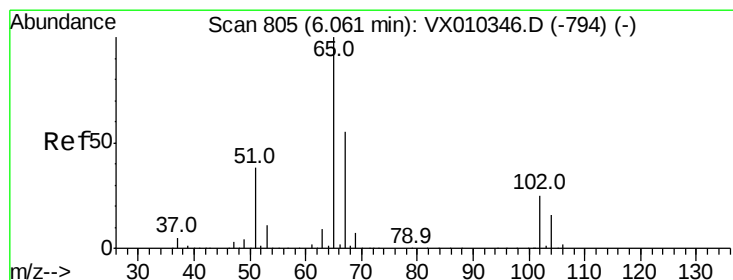
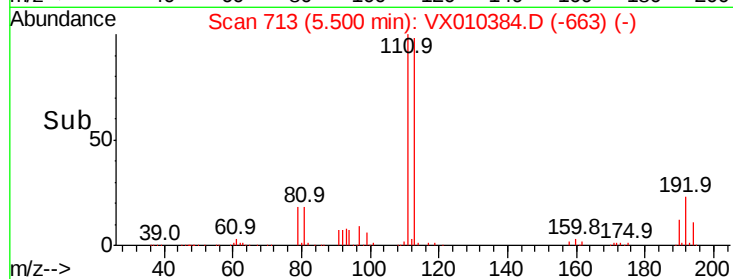
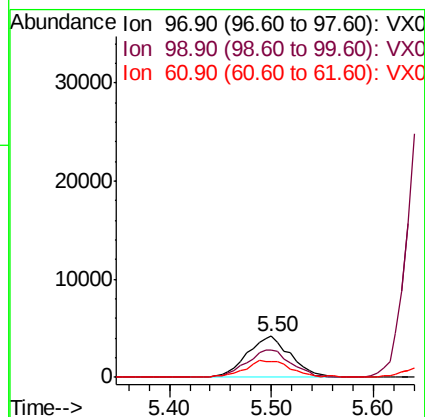
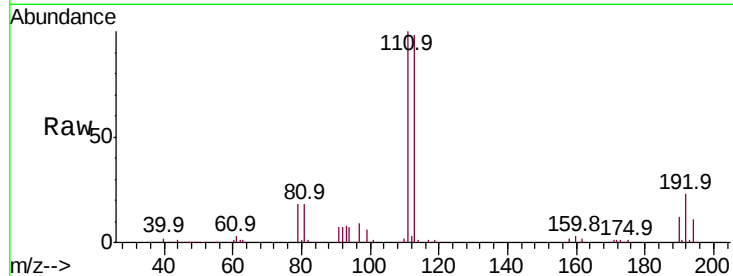
Tot Ion: 97 Resp: 12239

Ion Ratio Lower Upper

97 100

99 68.7 51.8 77.8

61 44.6 32.1 48.1



#33

1,2-Dichloroethane-d4

Concen: 49.906 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX010384.D

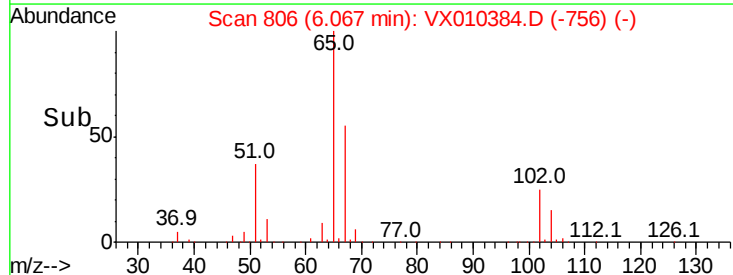
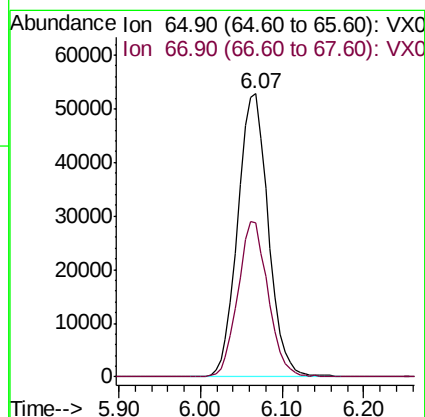
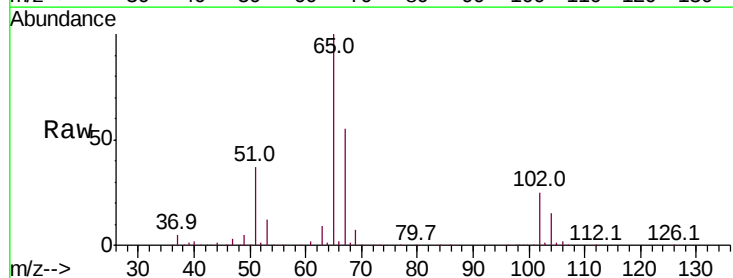
Acq: 21 Jun 2019 15:01

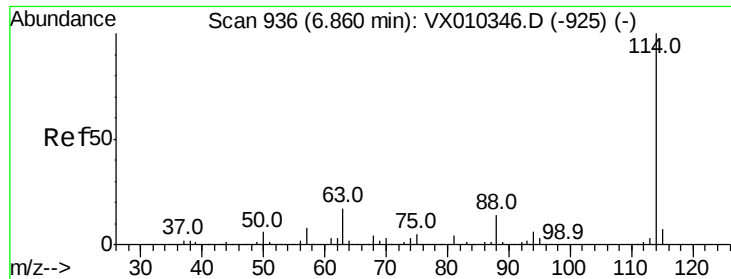
Tgt Ion: 65 Resp: 136948

Ion Ratio Lower Upper

65 100

67 54.5 0.0 110.2

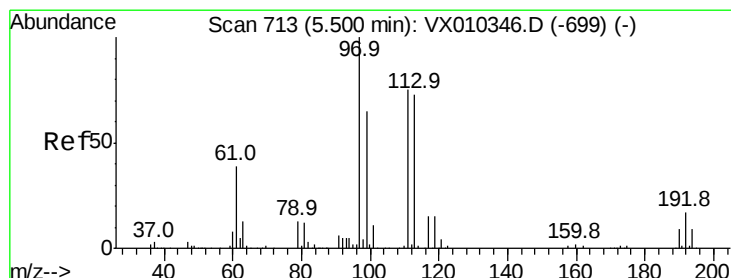
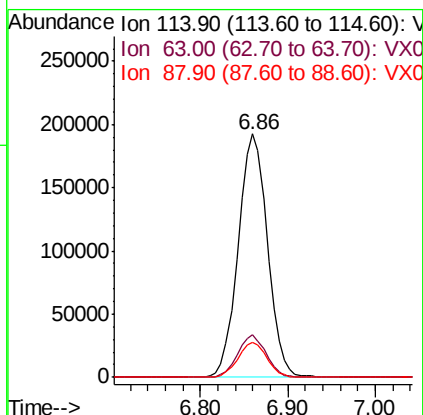
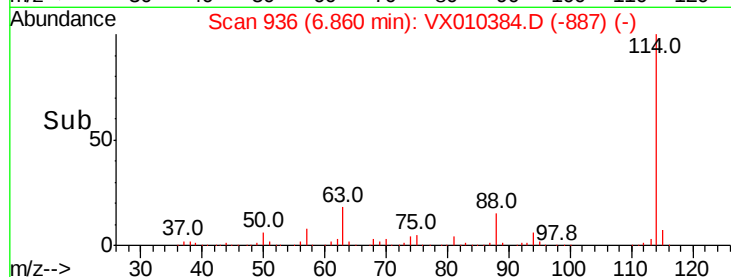
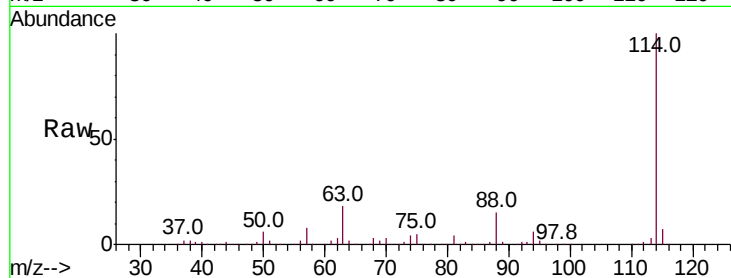




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010384.D
 Acq: 21 Jun 2019 15:01

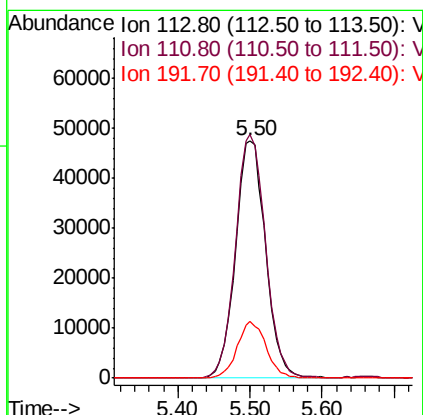
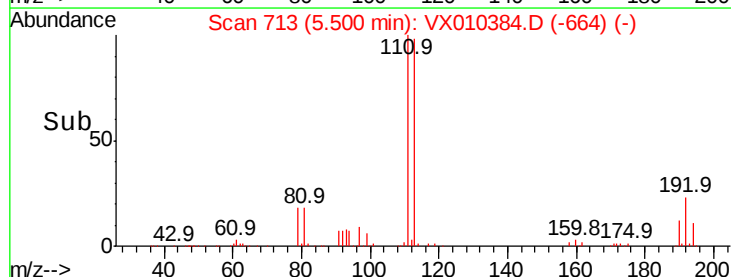
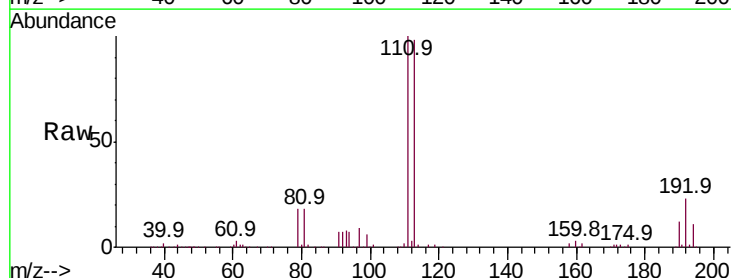
Instrument :
 MSVOA_X
 ClientSampled :
 MW-2

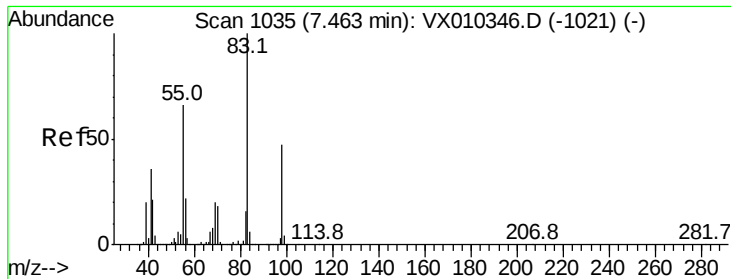
Tot Ion:114 Resp: 447417
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 33.8
 88 14.6 0.0 27.6



#35
 Dibromofluoromethane
 Concen: 50.311 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX010384.D
 Acq: 21 Jun 2019 15:01

Tgt Ion:113 Resp: 137724
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.2 121.8
 192 22.9 18.6 27.8

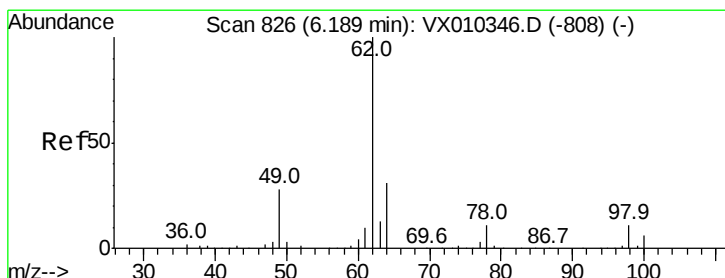
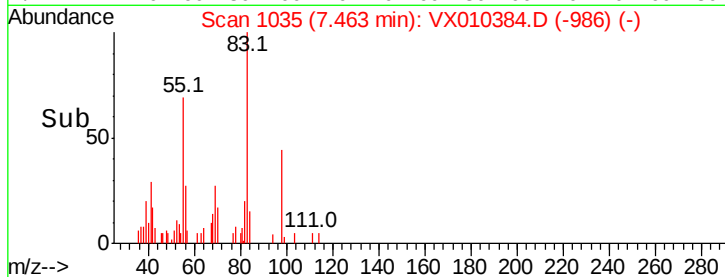
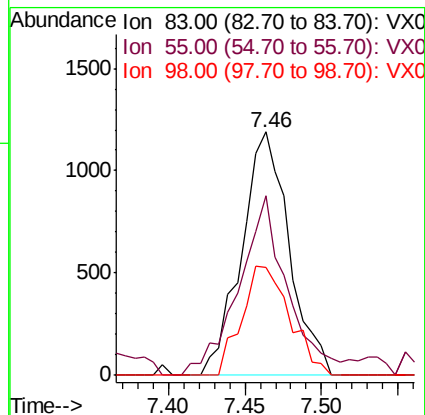
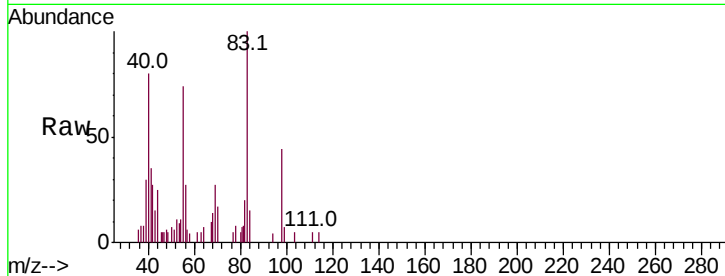




#39
Methvlcvclohexane
Concen: 0.552 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010384.D
Acq: 21 Jun 2019 15:01

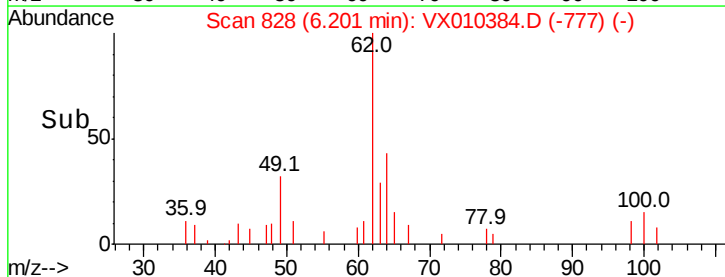
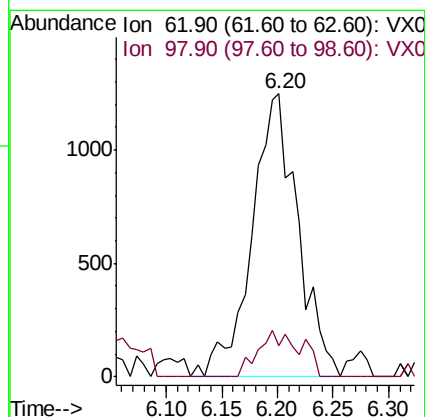
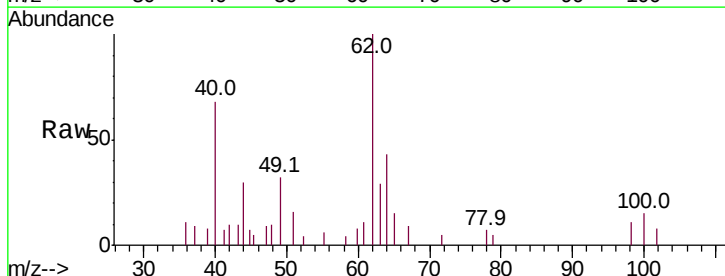
Instrument :
MSVOA_X
ClientSampled :
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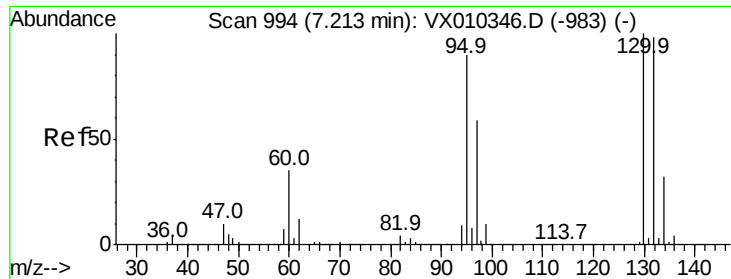
Tot Ion: 83 Resp: 2580
Ion Ratio Lower Upper
83 100
55 69.0 53.0 79.6
98 44.3 37.8 56.8



#42
1,2-Dichloroethane
Concen: 1.064 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX010384.D
Acq: 21 Jun 2019 15:01

Tgt Ion: 62 Resp: 3587
Ion Ratio Lower Upper
62 100
98 14.9 0.0 22.2





#44

Trichloroethene

Concen: 0.517 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX010384.D

Acq: 21 Jun 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

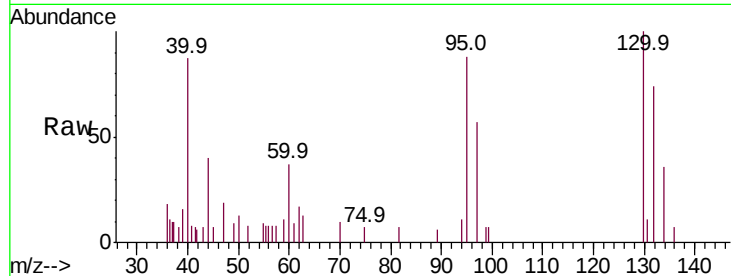
MW-2

Tot Ion:130 Resp: 1713

Ion Ratio Lower Upper

130 100

95 88.4 0.0 180.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

800

600

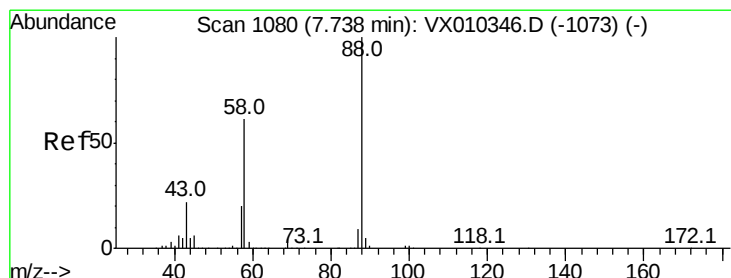
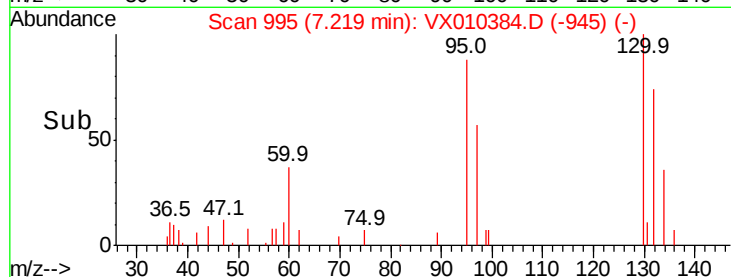
400

200

0

7.15 7.20 7.25 7.30

Time-->



#49

1,4-Dioxane

Concen: 132.147 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX010384.D

Acq: 21 Jun 2019 15:01

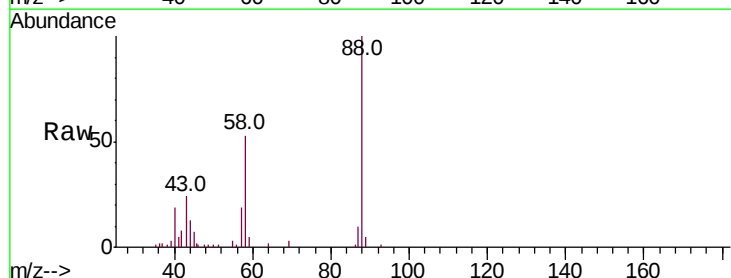
Tgt Ion: 88 Resp: 10708

Ion Ratio Lower Upper

88 100

43 22.6 20.2 30.2

58 61.4 49.5 74.3



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

6000

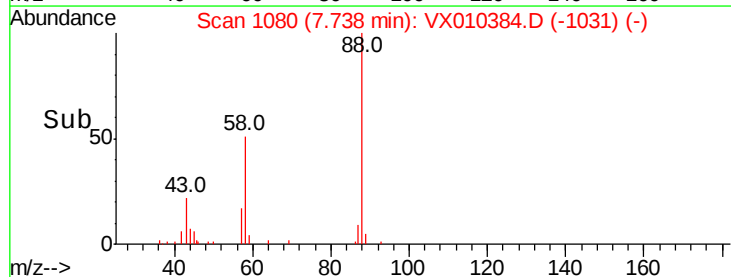
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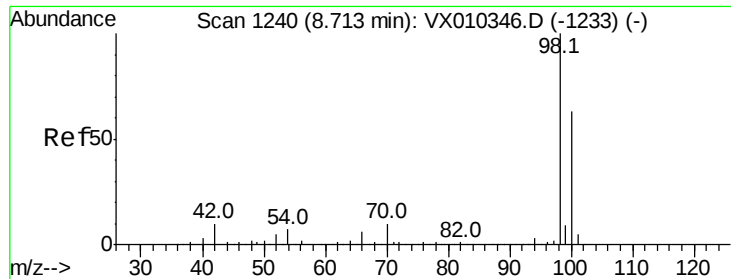
2000

0

7.70 7.74 7.78

Time-->

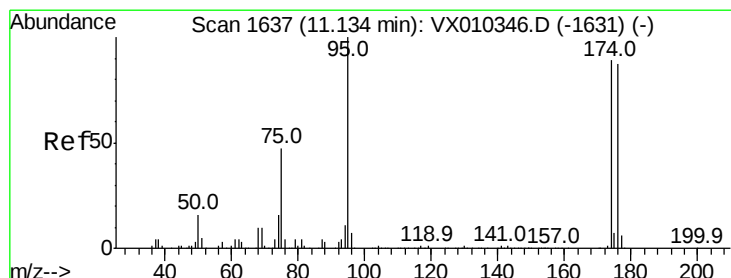
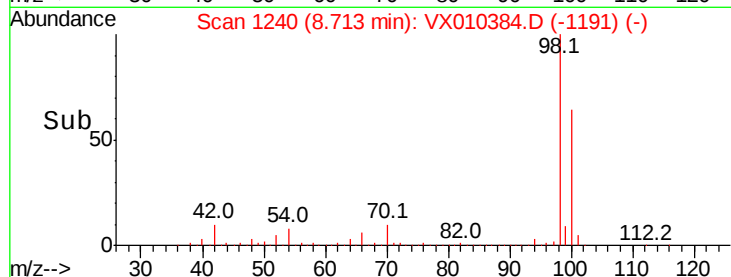
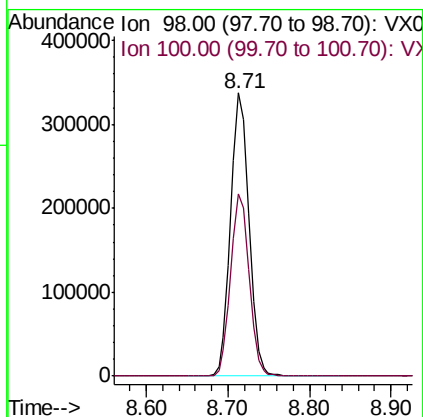
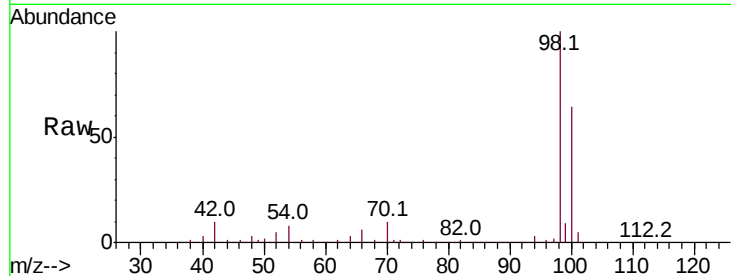




#50
Toluene-d8
Concen: 49.922 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010384.D
Acq: 21 Jun 2019 15:01

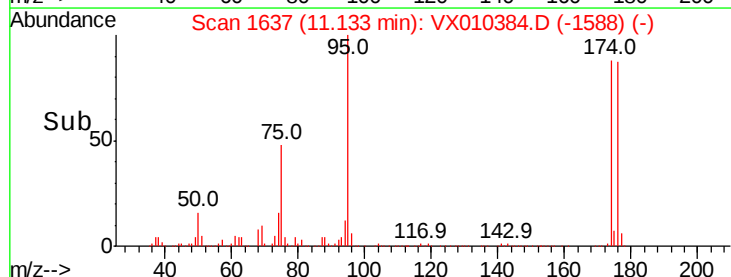
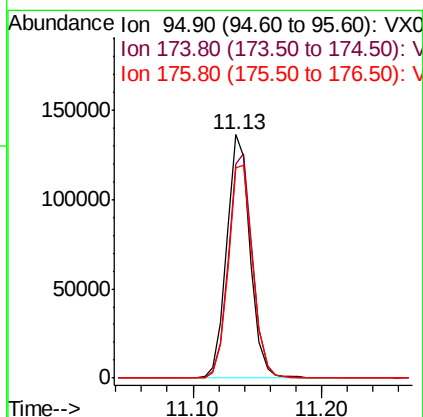
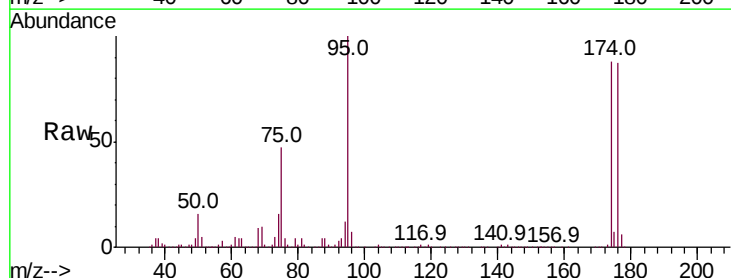
Instrument :
MSVOA_X
ClientSampleId :
MW-2

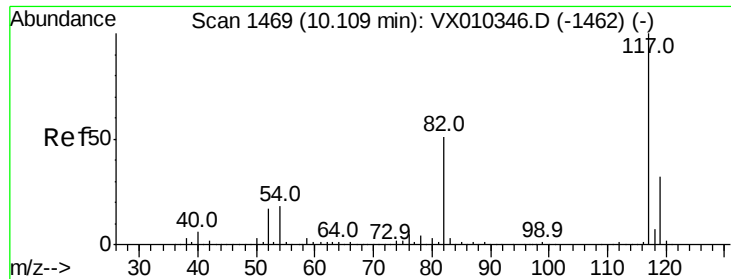
Tot Ion: 98 Resp: 522833
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 46.201 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX010384.D
Acq: 21 Jun 2019 15:01

Tgt Ion: 95 Resp: 174689
Ion Ratio Lower Upper
95 100
174 94.3 0.0 187.6
176 90.6 0.0 184.0

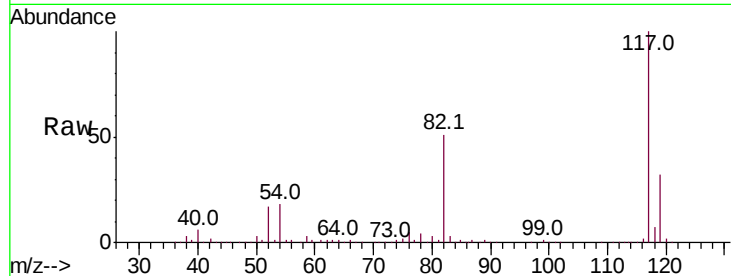




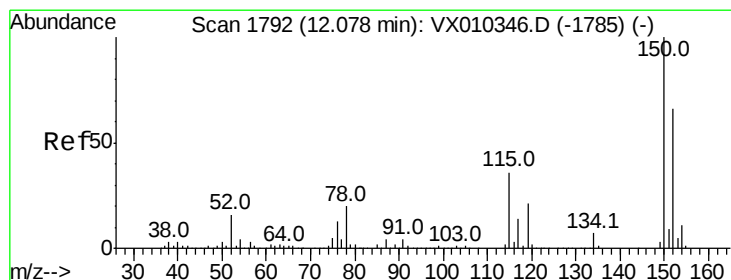
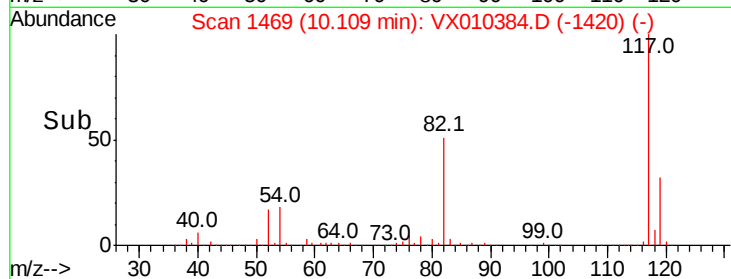
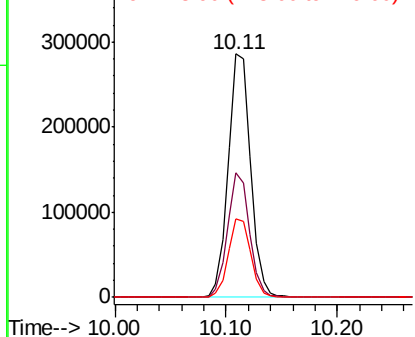
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010384.D
Acq: 21 Jun 2019 15:01

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion:117 Resp: 399154
Ion Ratio Lower Upper
117 100
82 51.1 41.2 61.8
119 32.2 25.5 38.3

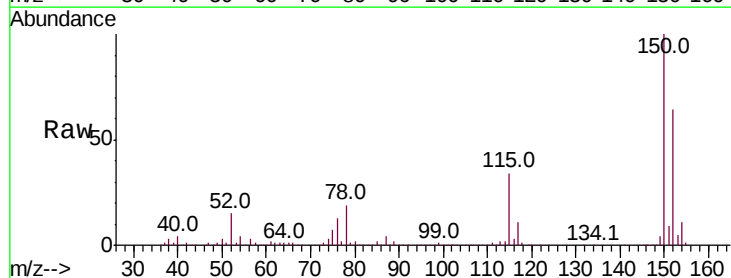


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

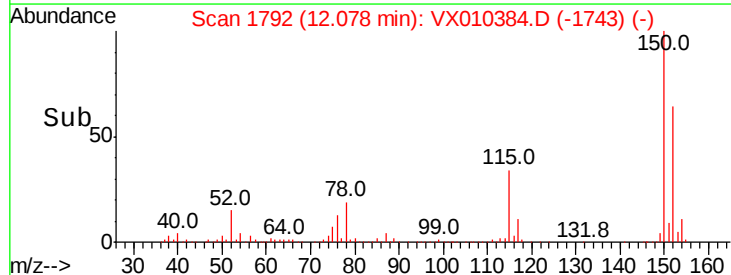
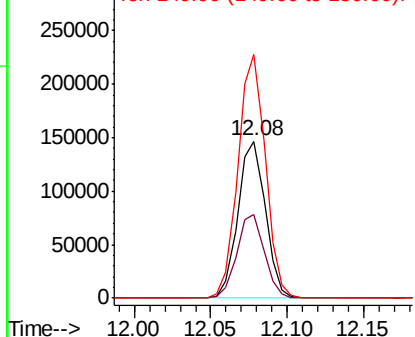


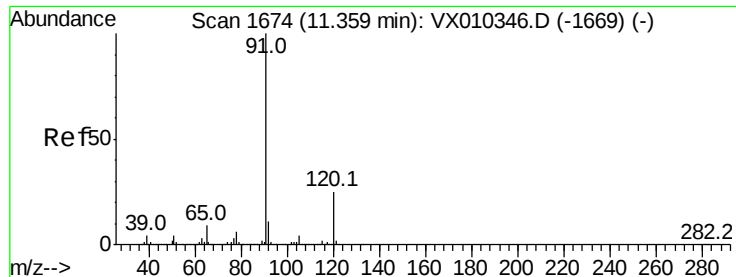
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010384.D
Acq: 21 Jun 2019 15:01

Tgt Ion:152 Resp: 182190
Ion Ratio Lower Upper
152 100
115 53.4 38.6 115.7
150 155.1 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#78

n-propylbenzene

Concen: 0.344 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010384.D

Acq: 21 Jun 2019 15:01

Instrument :

MSVOA_X

ClientSampled :

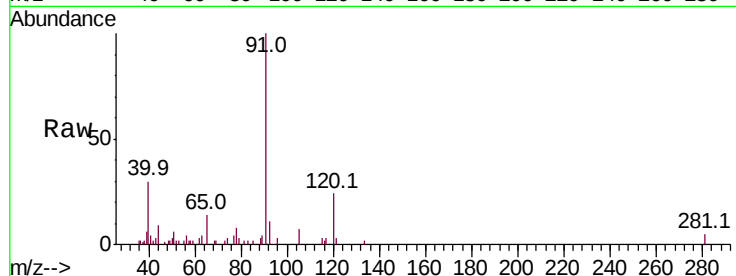
MW-2

Tot Ion: 91 Resp: 4667

Ion Ratio Lower Upper

91 100

120 24.7 12.4 37.4

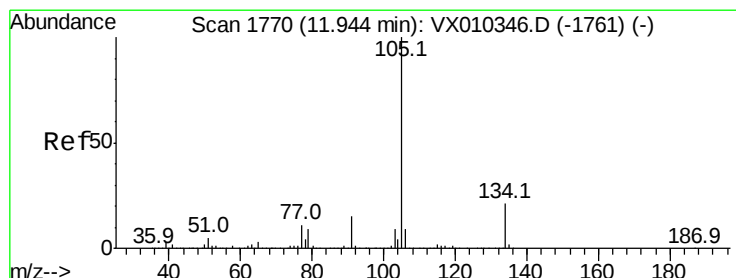
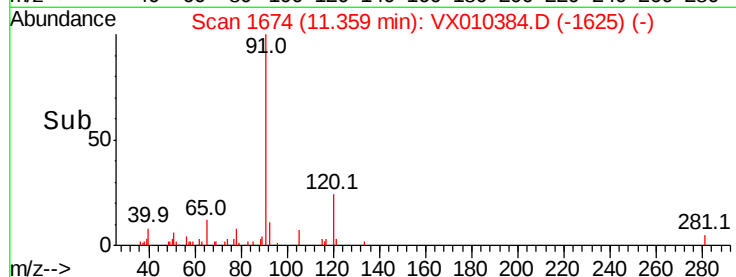


Abundance Ion 91.00 (90.70 to 91.70): VX010384.D (-1669) (-)

Ion 120.00 (119.70 to 120.70): VX010384.D (-1669) (-)

11.36

Time-->



#85

sec-Butylbenzene

Concen: 0.458 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010384.D

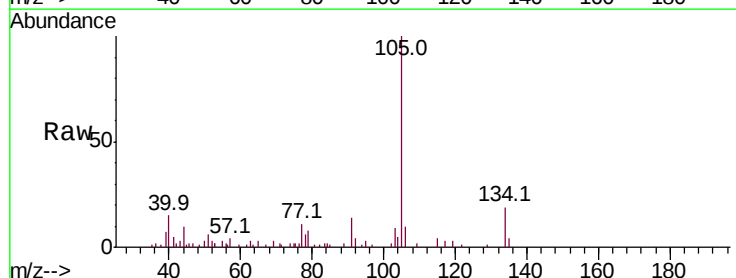
Acq: 21 Jun 2019 15:01

Tgt Ion: 105 Resp: 5497

Ion Ratio Lower Upper

105 100

134 21.5 10.7 31.9

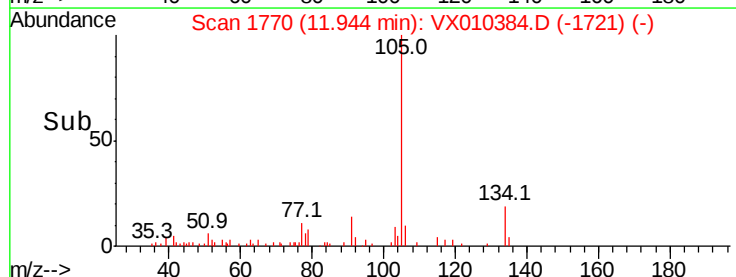


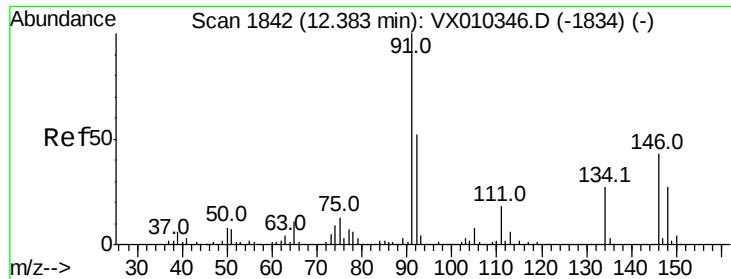
Abundance Ion 105.00 (104.70 to 105.70): VX010384.D (-1761) (-)

Ion 134.00 (133.70 to 134.70): VX010384.D (-1761) (-)

11.94

Time-->





#89

n-Butylbenzene

Concen: 0.432 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX010384.D

Acq: 21 Jun 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

MW-2

Tot Ion: 91 Resp: 4077

Ion Ratio Lower Upper

91 100

92 38.1 26.2 78.5

134 63.3 14.1 42.4

