

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062019\
 Data File : VX010366.D
 Acq On : 20 Jun 2019 18:45
 Operator : JC/SP
 Sample : K3469-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-2-8.0-062019

Quant Time: Jun 21 01:24:07 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	5.67	168	308126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	469609	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	421159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200771	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	141322	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
35) Dibromofluoromethane	5.50	113	144187	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
50) Toluene-d8	8.71	98	547350	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
62) 4-Bromofluorobenzene	11.13	95	186819	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	

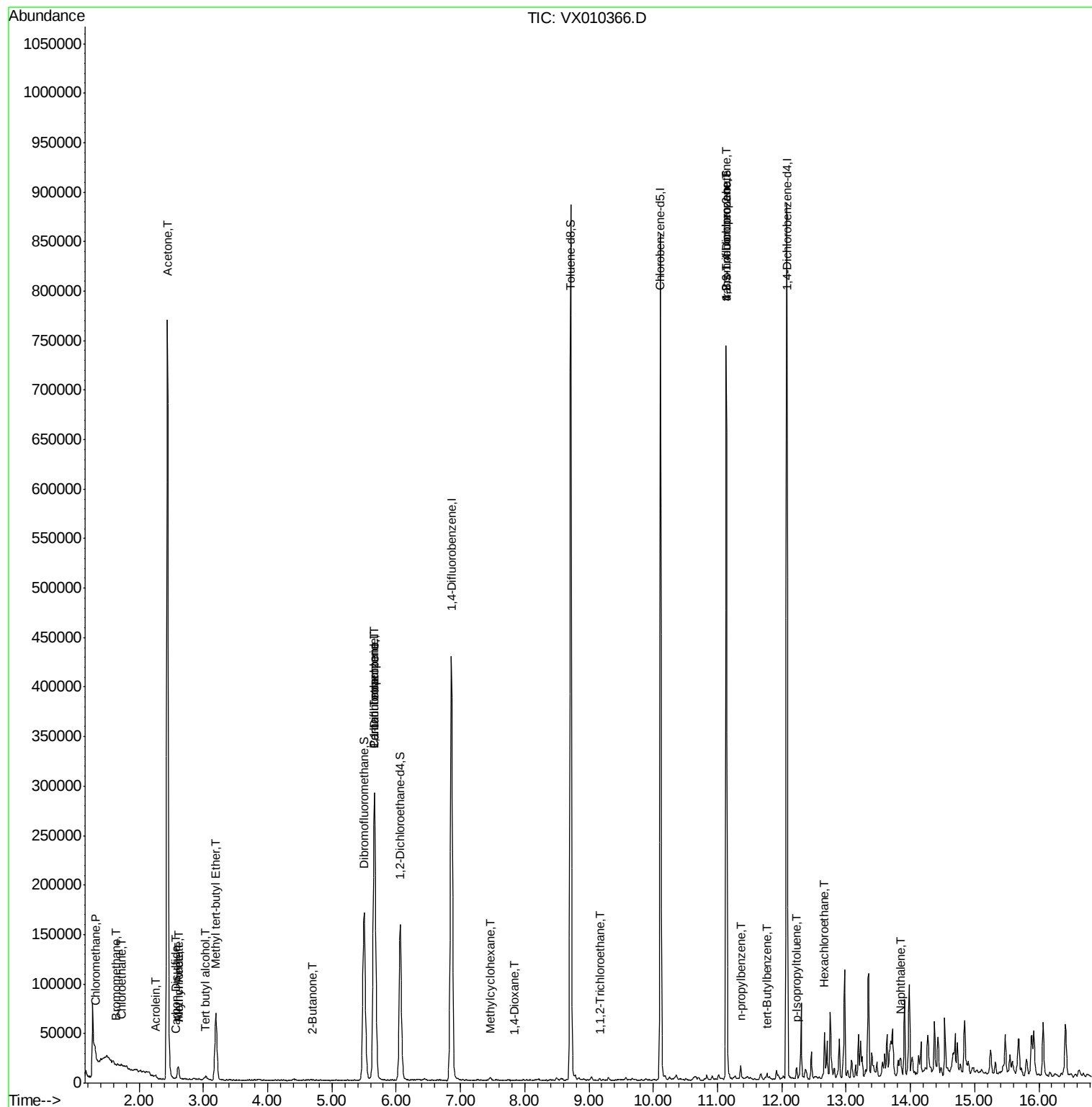
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	799	0.320	ug/l #	53
5) Bromomethane	1.65	94	554	0.416	ug/l #	55
6) Chloroethane	1.72	64	19159	11.886	ug/l #	51
11) Tert butyl alcohol	3.04	59	4899	6.481	ug/l	96
13) Acrolein	2.27	56	101	0.201	ug/l #	1
14) Allyl chloride	2.60	41	1249	0.329	ug/l #	23
16) Acetone	2.44	43	780415	539.008	ug/l	99
17) Carbon Disulfide	2.57	76	1601	0.223	ug/l #	66
18) Methyl Acetate	2.61	43	3552	1.231	ug/l #	48
19) Methyl tert-butyl Ether	3.20	73	81362	9.684	ug/l	98
25) 2-Butanone	4.69	43	523	0.246	ug/l #	84
36) 1,1-Dichloropropene	5.66	75	18999	5.091	ug/l #	47
38) Carbon Tetrachloride	5.66	117	26944	6.668	ug/l #	17
39) Methylcyclohexane	7.46	83	1388	0.283	ug/l	91
49) 1,4-Dioxane	7.85	88	23	0.270	ug/l #	1
55) 1,1,2-Trichloroethane	9.16	97	684	0.217	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	88406	24.164	ug/l #	33
78) n-propylbenzene	11.36	91	8624	0.577	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.13	75	88406	56.372	ug/l #	16
83) tert-Butylbenzene	11.77	119	2574	0.229	ug/l	83
86) p-Isopropyltoluene	12.23	119	5097	0.417	ug/l	97
90) Hexachloroethane	12.66	117	1923	0.909	ug/l #	5
95) Naphthalene	13.83	128	10843	0.772	ug/l #	87

(#) = 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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010366.D

Acq: 20 Jun 2019 18:45

Instrument :

MSVOA_X

ClientSampleId :

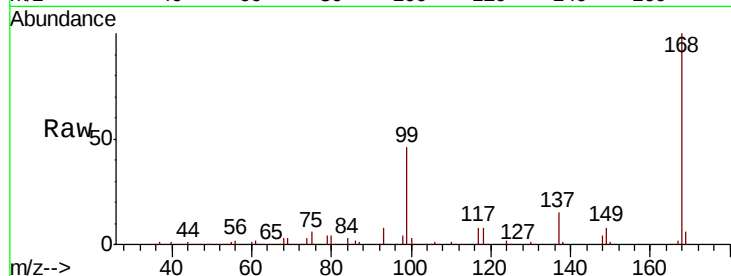
T11-MW-2-8.0-062019

Tot Ion:168 Resp: 308126

Ion Ratio Lower Upper

168 100

99 46.4 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

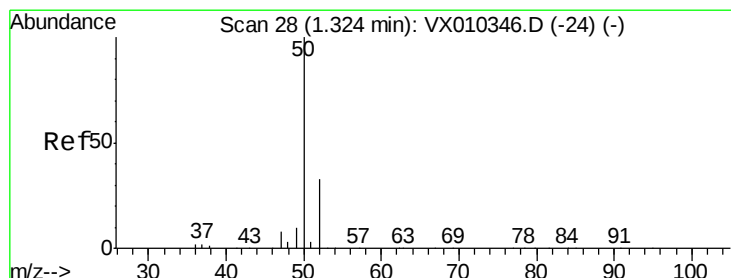
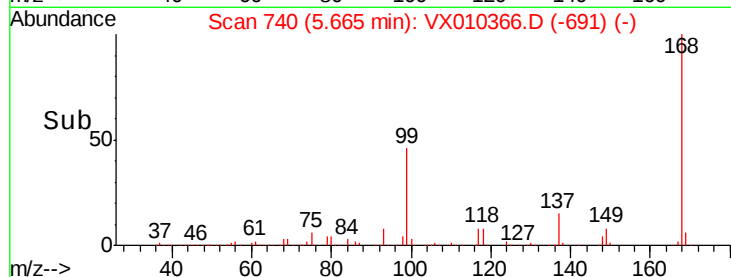
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.320 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010366.D

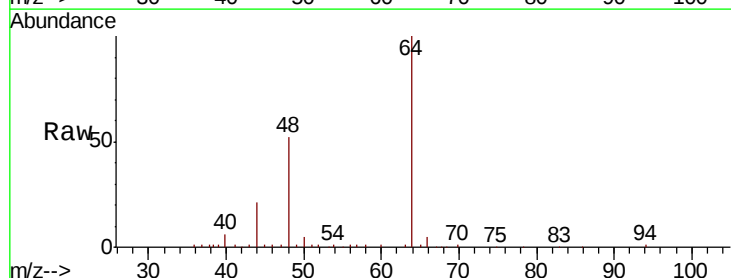
Acq: 20 Jun 2019 18:45

Tgt Ion: 50 Resp: 799

Ion Ratio Lower Upper

50 100

52 6.4 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

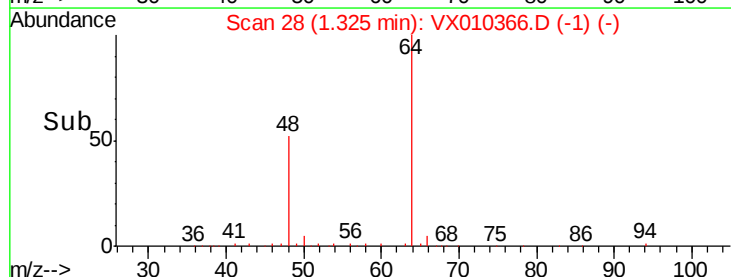
600

400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.416 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010366.D

Acq: 20 Jun 2019 18:45

Instrument :

MSVOA_X

ClientSampleId :

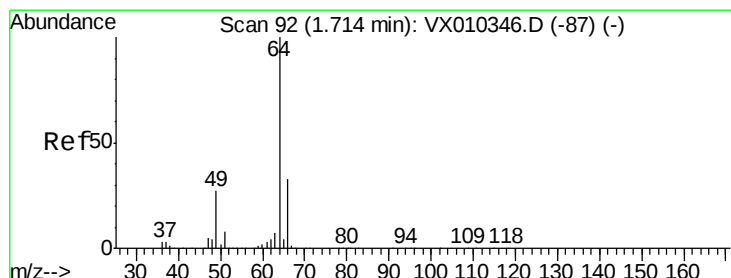
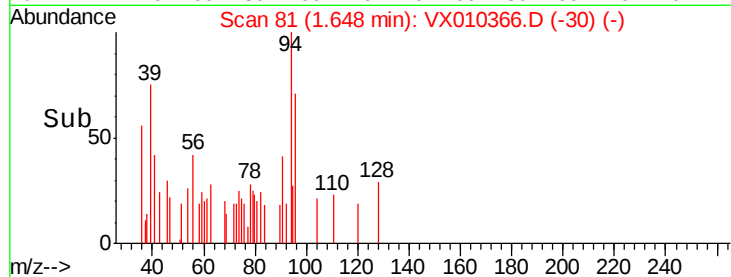
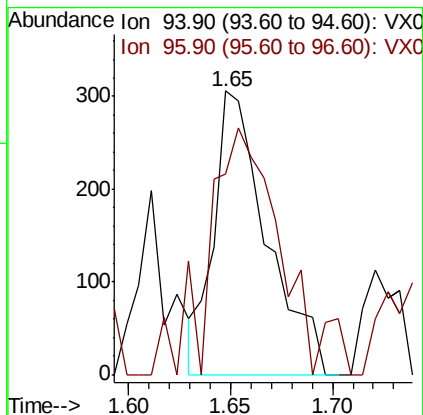
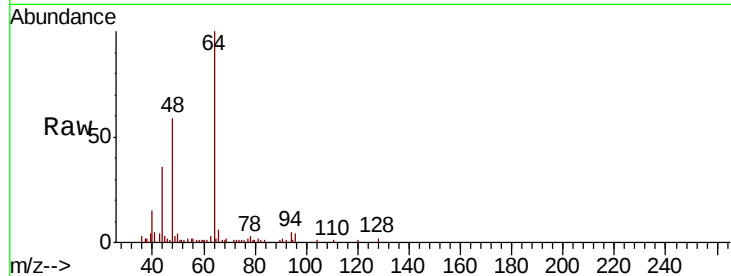
T11-MW-2-8.0-062019

Tot Ion: 94 Resp: 554

Ion Ratio Lower Upper

94 100

96 51.0 75.5 113.3#



#6

Chloroethane

Concen: 11.886 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010366.D

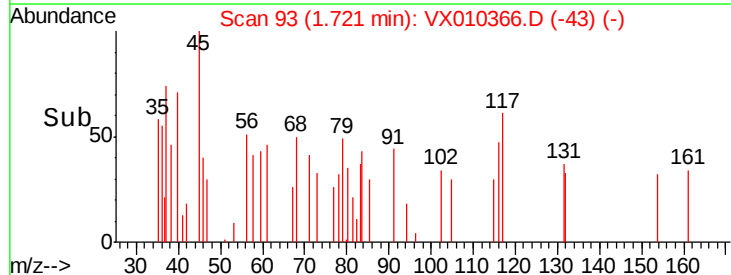
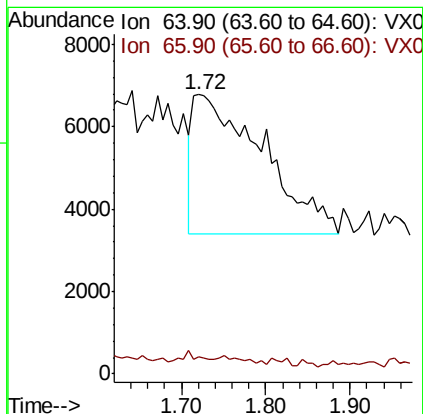
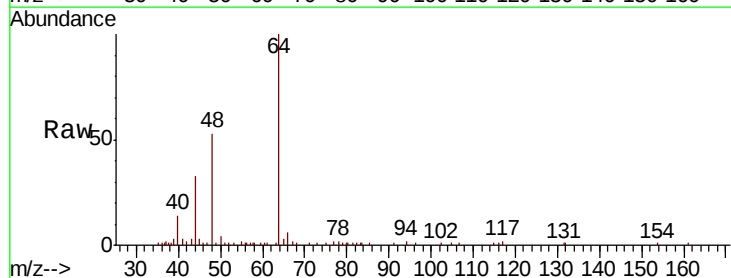
Acq: 20 Jun 2019 18:45

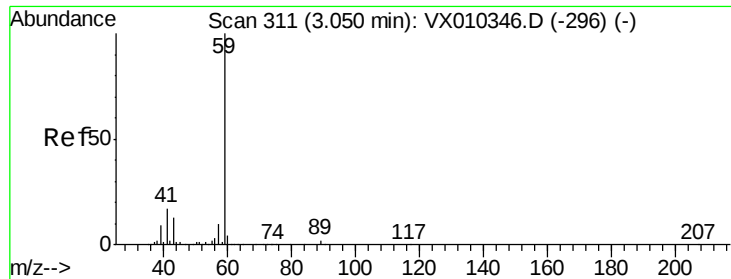
Tgt Ion: 64 Resp: 19159

Ion Ratio Lower Upper

64 100

66 5.3 26.6 40.0#

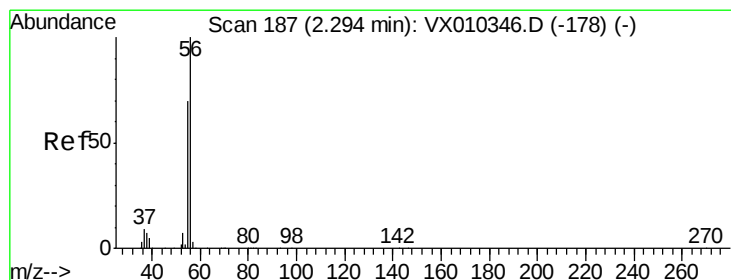
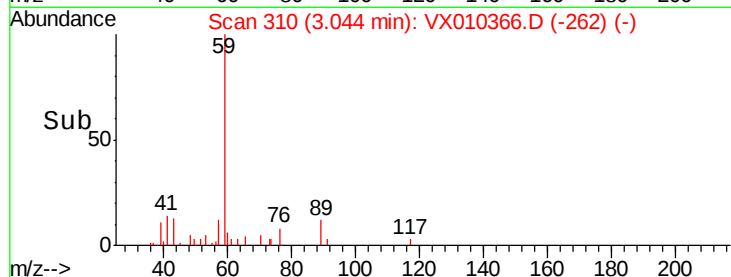
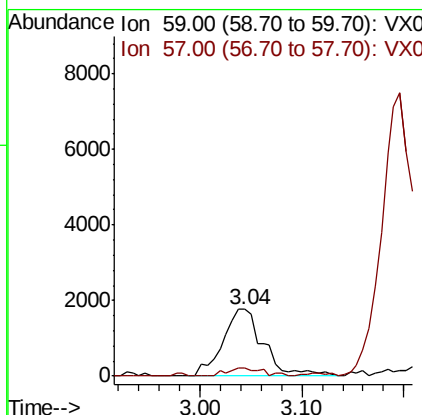
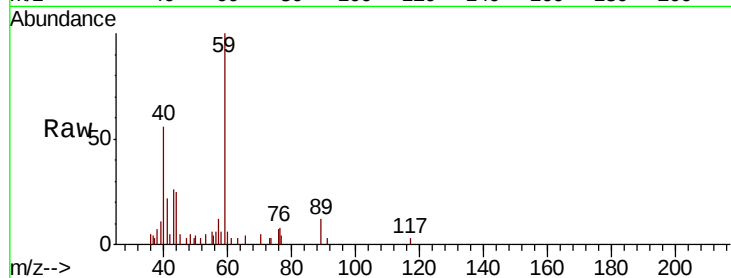




#11
Tert butyl alcohol
Concen: 6.481 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010366.D
Acq: 20 Jun 2019 18:45

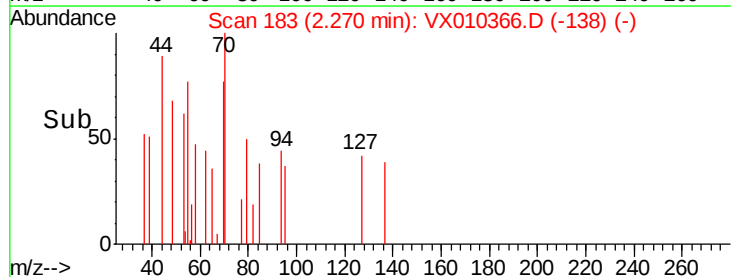
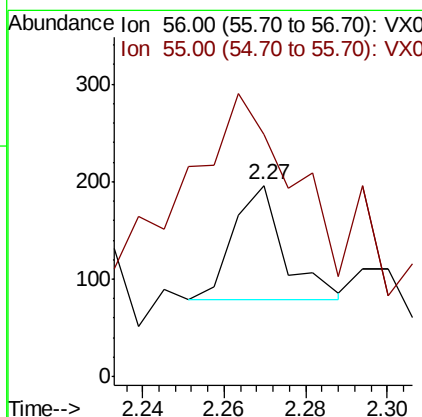
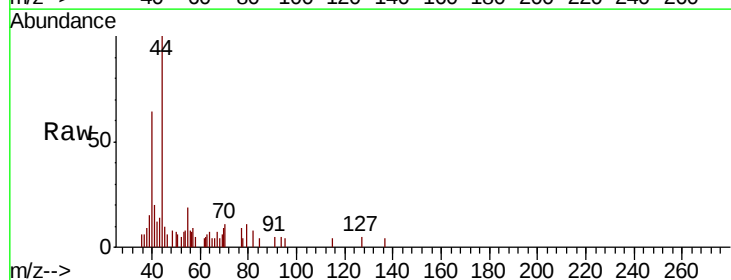
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-2-8.0-062019

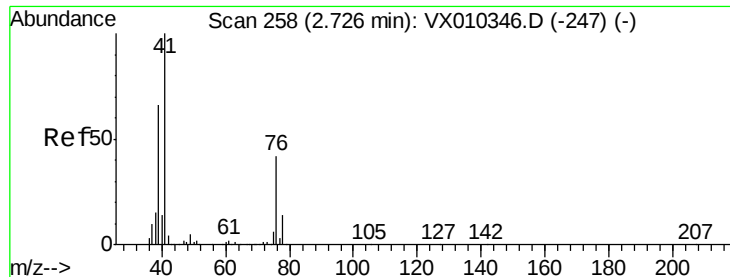
Tot Ion: 59 Resp: 4899
Ion Ratio Lower Upper
59 100
57 11.1 7.7 11.5



#13
Acrolein
Concen: 0.201 ug/l
RT: 2.27 min Scan# 183
Delta R.T. -0.02 min
Lab File: VX010366.D
Acq: 20 Jun 2019 18:45

Tgt Ion: 56 Resp: 101
Ion Ratio Lower Upper
56 100
55 631.7 56.9 85.3#





#14

Allvl chloride

Concen: 0.329 ug/l

RT: 2.60 min Scan# 238

Delta R.T. -0.12 min

Lab File: VX010366.D

Acq: 20 Jun 2019 18:45

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-2-8.0-062019

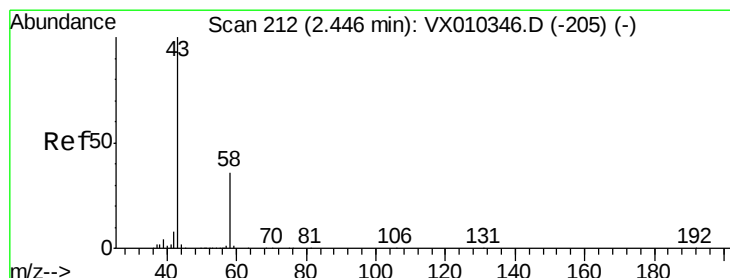
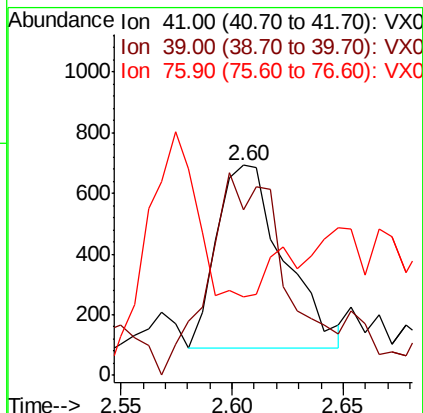
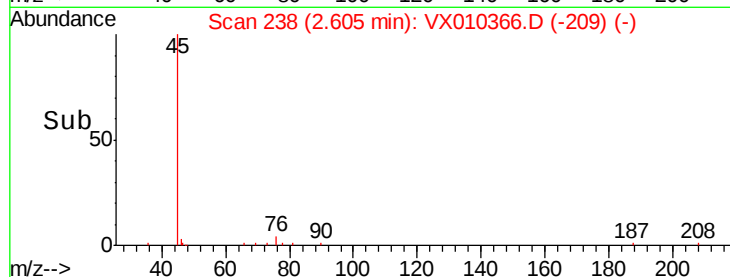
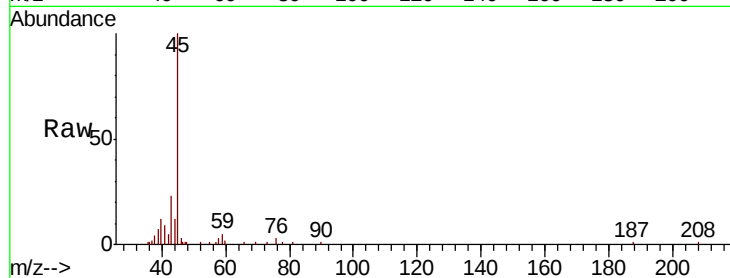
Tot Ion: 41 Resp: 1249

Ion Ratio Lower Upper

41 100

39 128.3 50.3 75.5#

76 0.0 31.3 46.9#



#16

Acetone

Concen: 539.008 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010366.D

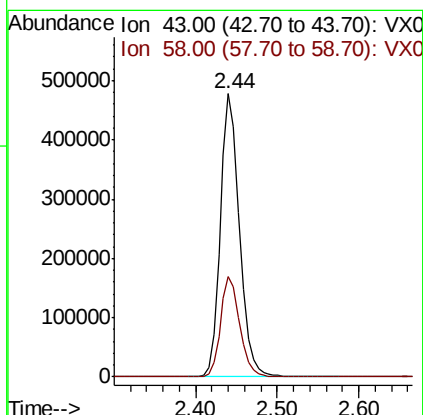
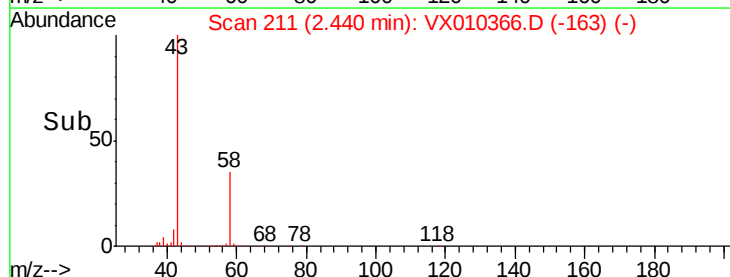
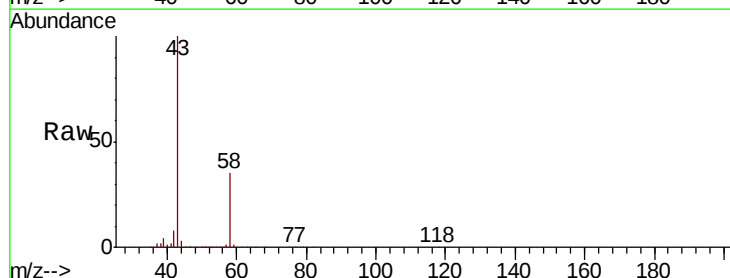
Acq: 20 Jun 2019 18:45

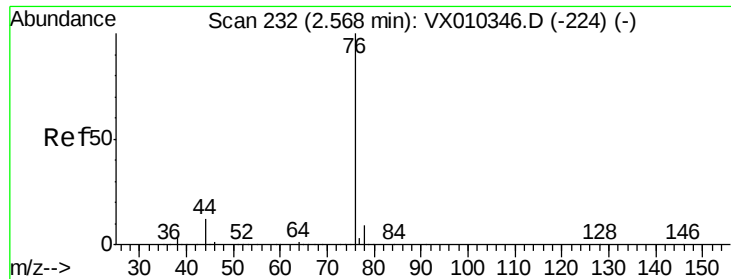
Tgt Ion: 43 Resp: 780415

Ion Ratio Lower Upper

43 100

58 35.4 28.9 43.3

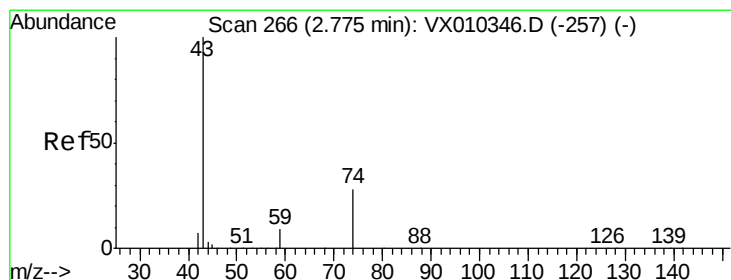
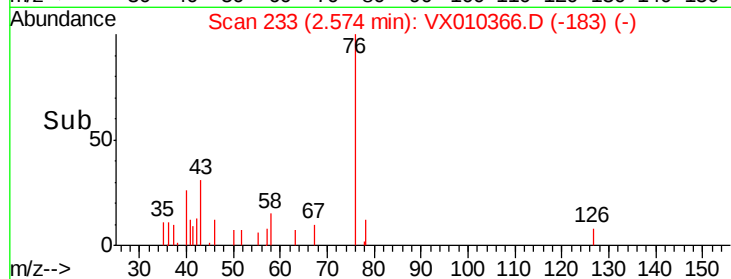
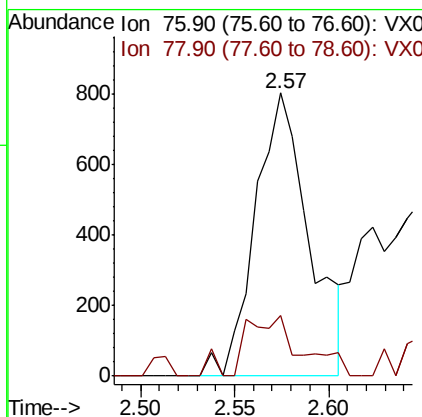
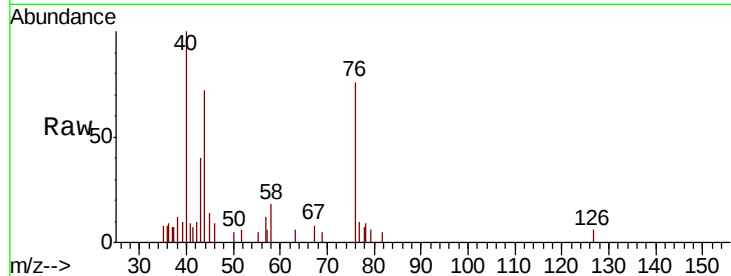




#17
Carbon Disulfide
Concen: 0.223 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX010366.D
Acq: 20 Jun 2019 18:45

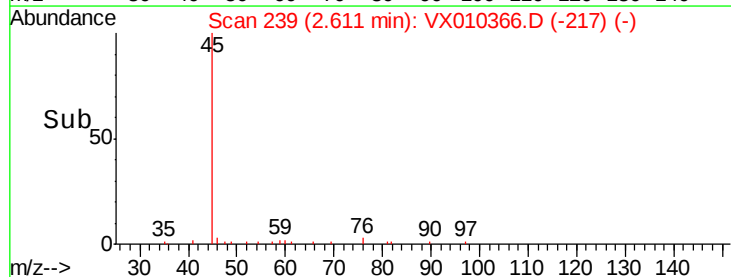
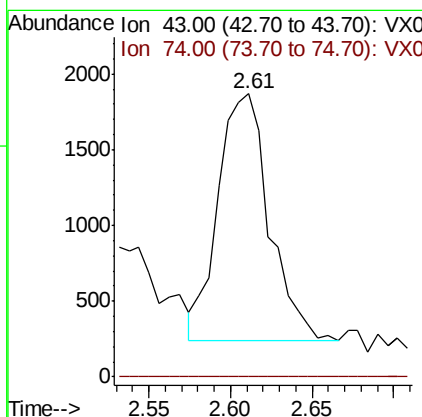
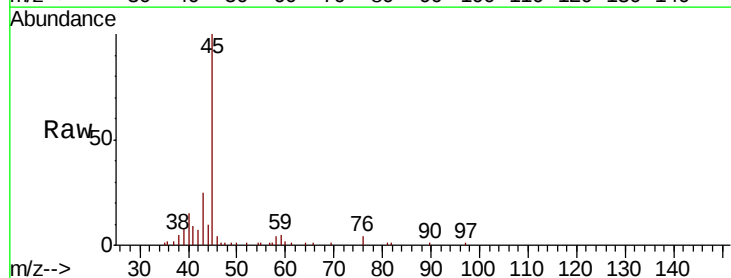
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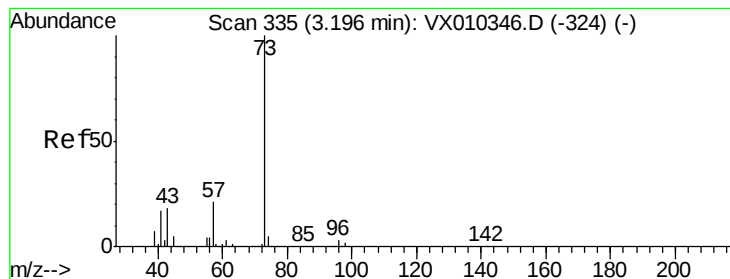
Tot Ion: 76 Resp: 1601
Ion Ratio Lower Upper
76 100
78 21.4 7.3 10.9#



#18
Methyl Acetate
Concen: 1.231 ug/l
RT: 2.61 min Scan# 239
Delta R.T. -0.16 min
Lab File: VX010366.D
Acq: 20 Jun 2019 18:45

Tgt Ion: 43 Resp: 3552
Ion Ratio Lower Upper
43 100
74 0.0 21.3 31.9#



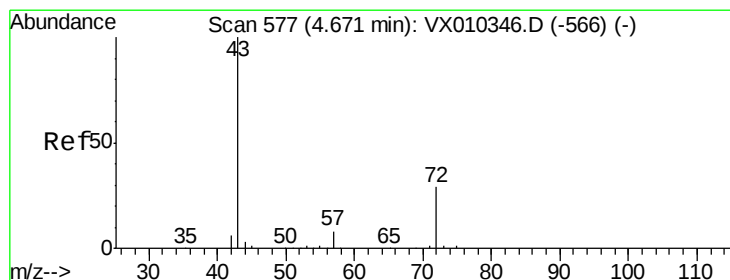
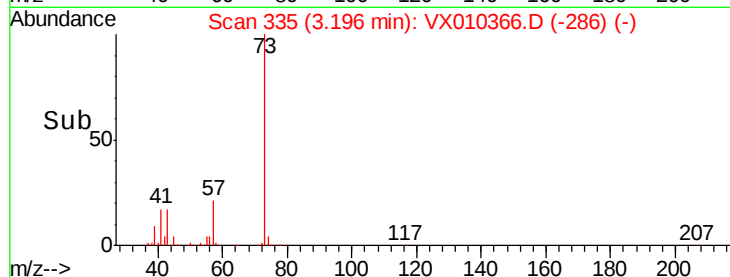
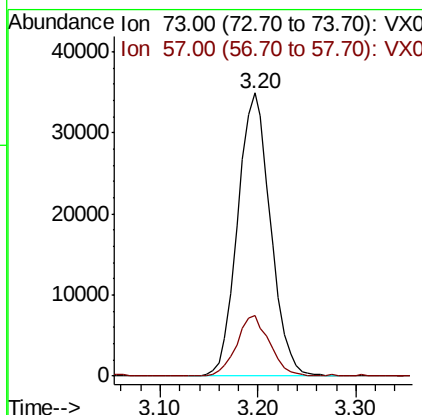
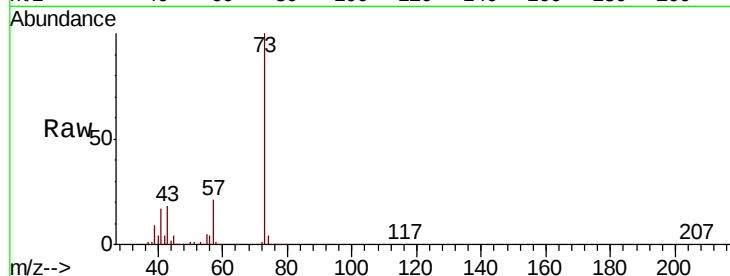


#19

Methvl tert-butvl Ether
 Concen: 9.684 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX010366.D
 Acq: 20 Jun 2019 18:45

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-2-8.0-062019

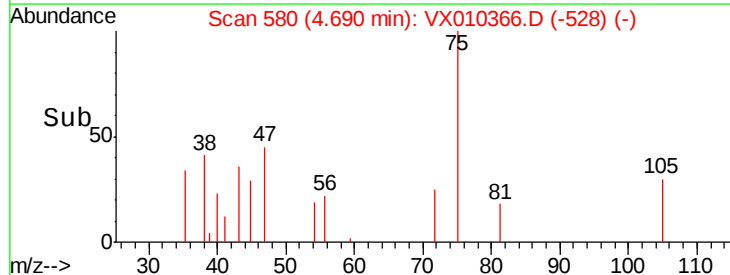
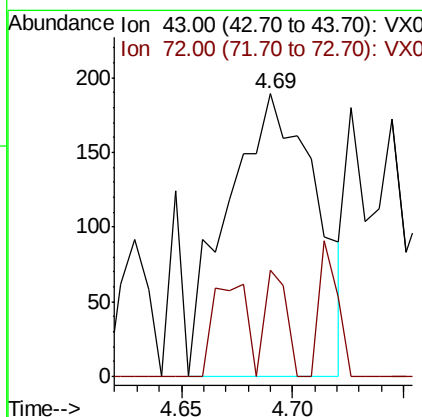
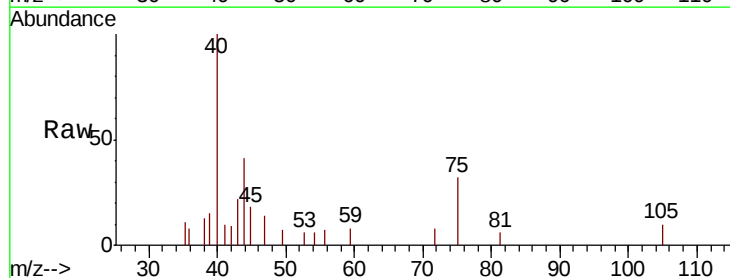
Tot Ion: 73 Resp: 81362
 Ion Ratio Lower Upper
 73 100
 57 21.3 16.4 24.6

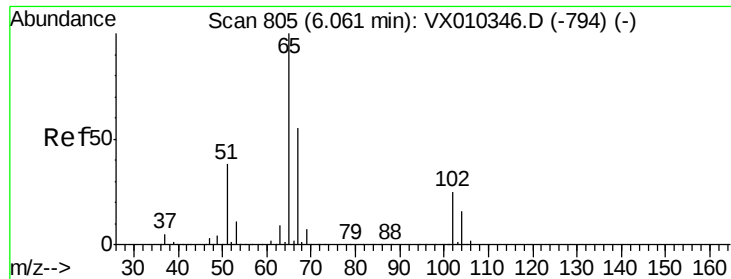


#25

2-Butanone
 Concen: 0.246 ug/l
 RT: 4.69 min Scan# 580
 Delta R.T. 0.02 min
 Lab File: VX010366.D
 Acq: 20 Jun 2019 18:45

Tgt Ion: 43 Resp: 523
 Ion Ratio Lower Upper
 43 100
 72 37.6 23.3 34.9#





#33

1,2-Dichloroethane-d4

Concen: 48.917 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX010366.D

Acq: 20 Jun 2019 18:45

Instrument :

MSVOA_X

ClientSampleId :

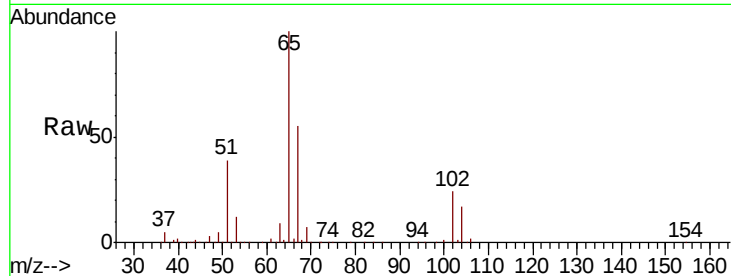
T11-MW-2-8.0-062019

Tot Ion: 65 Resp: 141322

Ion Ratio Lower Upper

65 100

67 55.0 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

50000

40000

30000

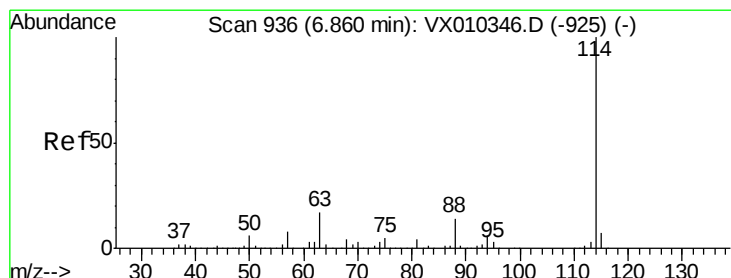
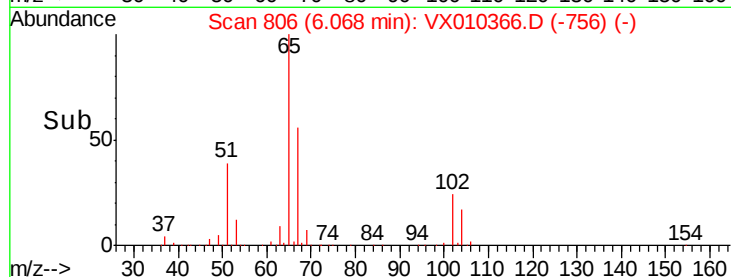
20000

10000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010366.D

Acq: 20 Jun 2019 18:45

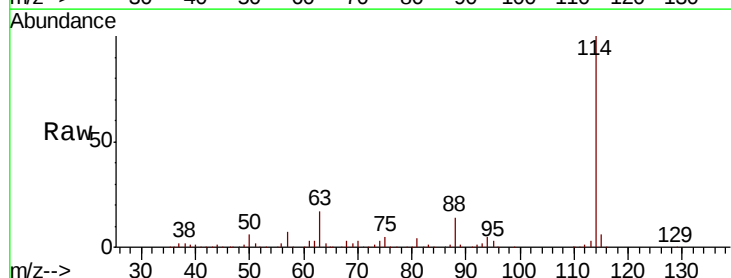
Tgt Ion: 114 Resp: 469609

Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.8

88 14.4 0.0 27.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

250000

200000

150000

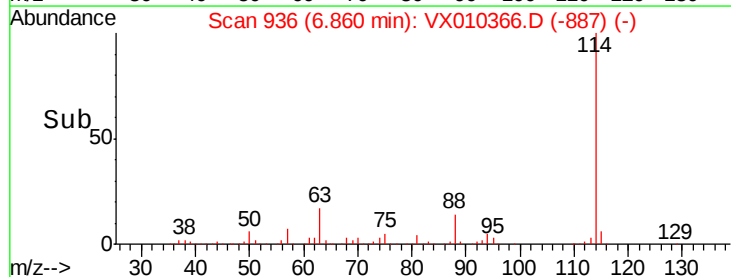
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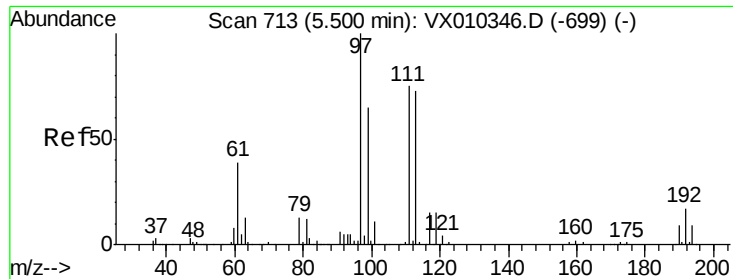
50000

0

6.70 6.80 6.90 7.00

Time-->

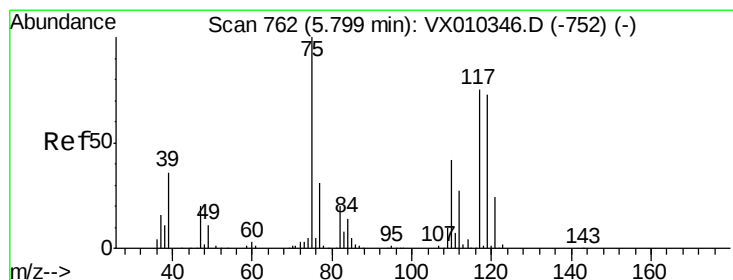
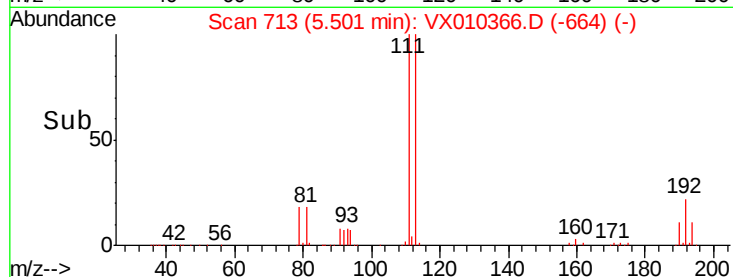
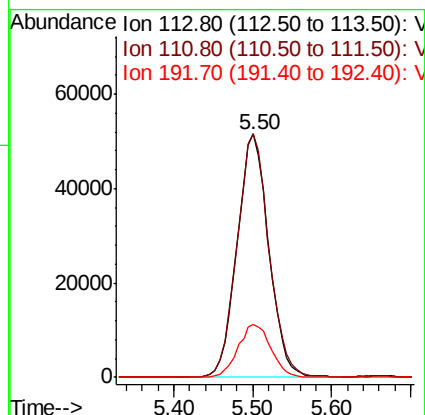
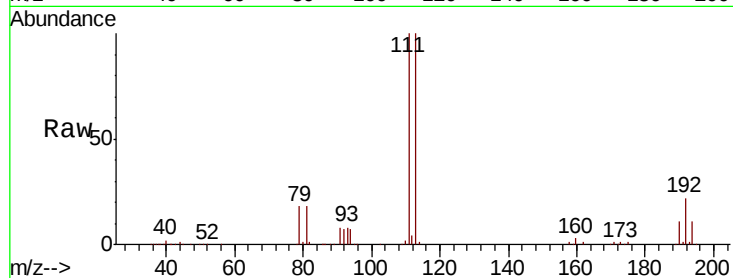




#35
 Dibromofluoromethane
 Concen: 50.183 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010366.D
 Acq: 20 Jun 2019 18:45

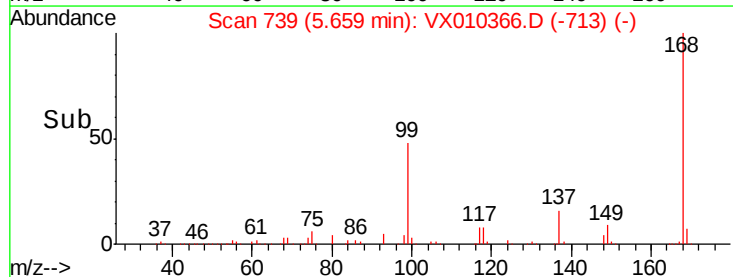
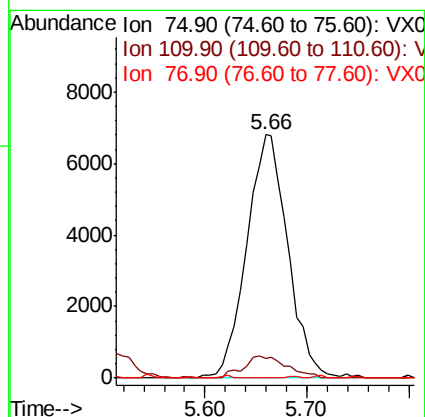
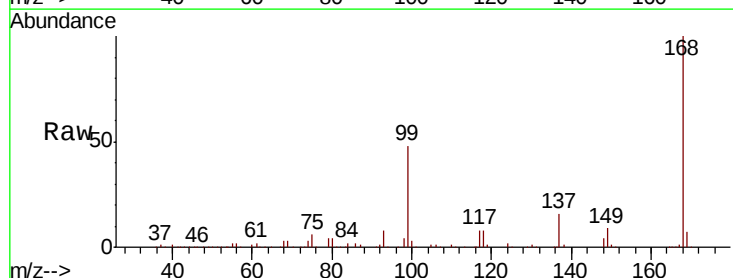
Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-2-8.0-062019

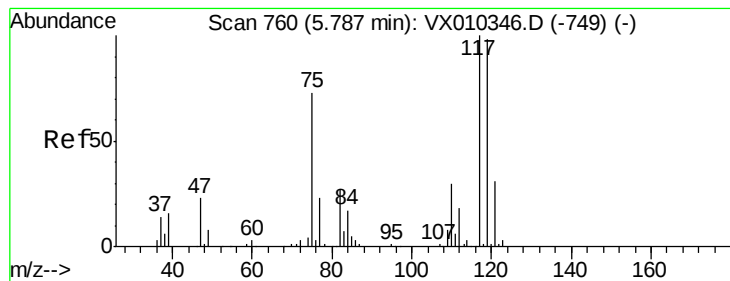
Tot Ion:113 Resp: 144187
 Ion Ratio Lower Upper
 113 100
 111 100.8 81.2 121.8
 192 22.5 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 5.091 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010366.D
 Acq: 20 Jun 2019 18:45

Tgt Ion: 75 Resp: 18999
 Ion Ratio Lower Upper
 75 100
 110 9.7 20.8 62.2#
 77 0.0 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.668 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010366.D

Acq: 20 Jun 2019 18:45

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-2-8.0-062019

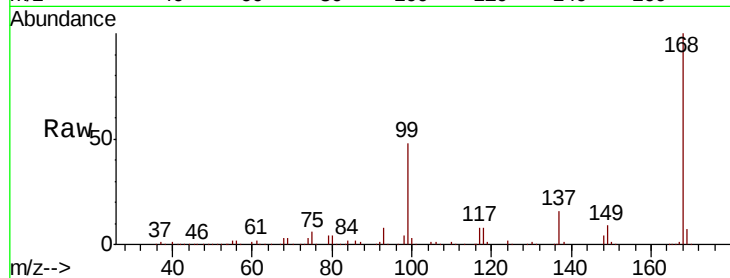
Tot Ion:117 Resp: 26944

Ion Ratio Lower Upper

117 100

119 7.1 78.2 117.4#

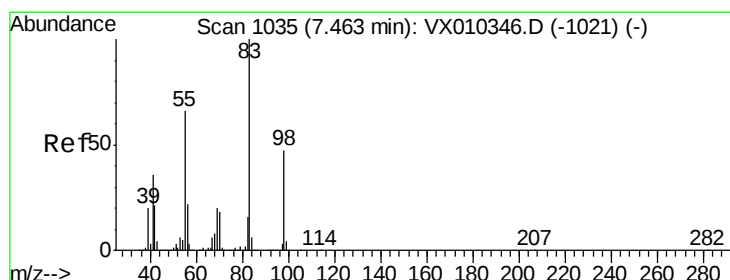
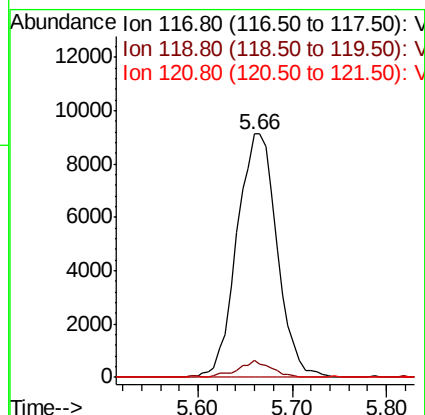
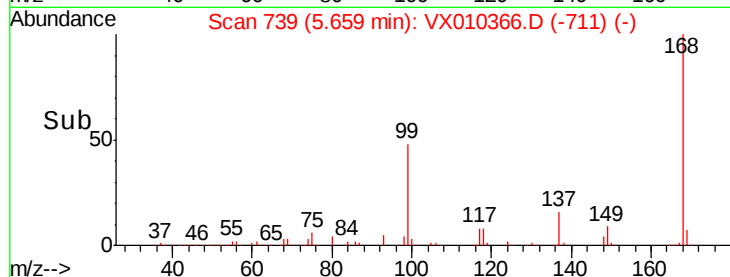
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.283 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX010366.D

Acq: 20 Jun 2019 18:45

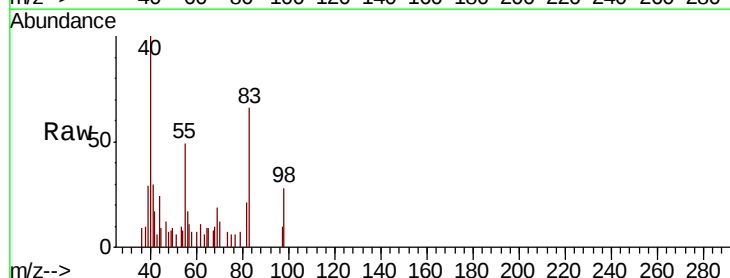
Tgt Ion: 83 Resp: 1388

Ion Ratio Lower Upper

83 100

55 74.4 53.0 79.6

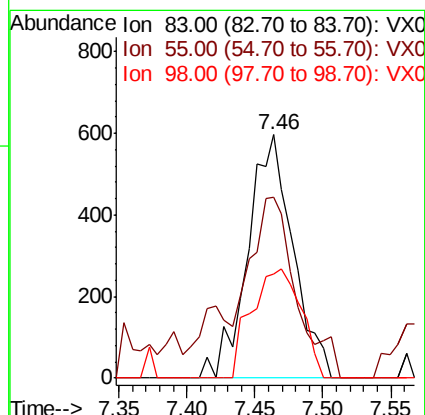
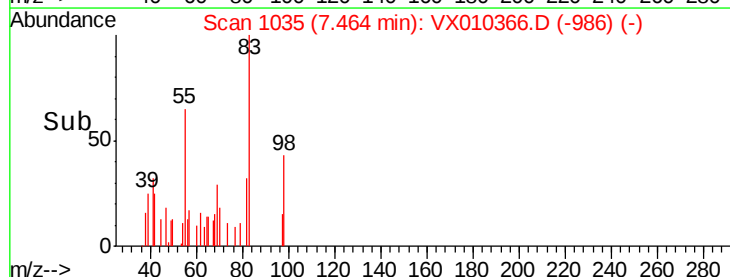
98 42.5 37.8 56.8

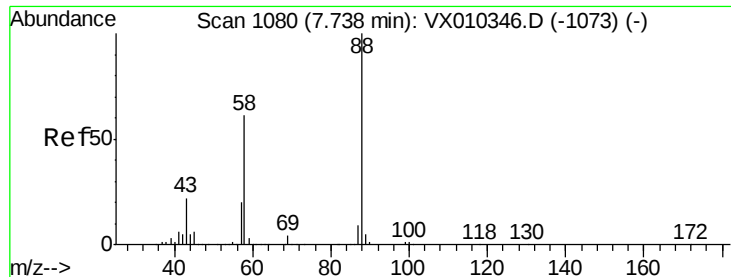


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

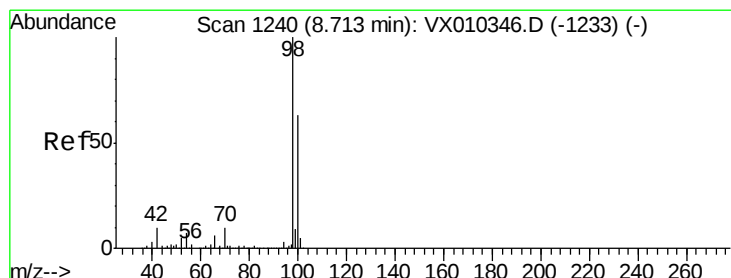
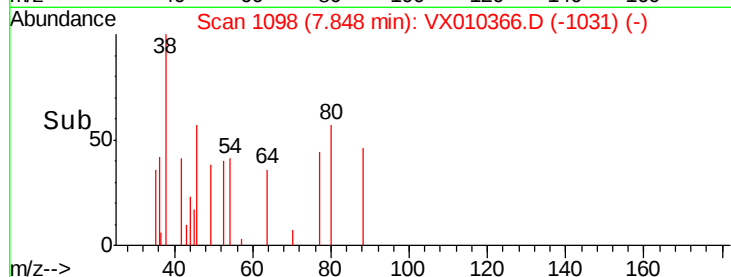
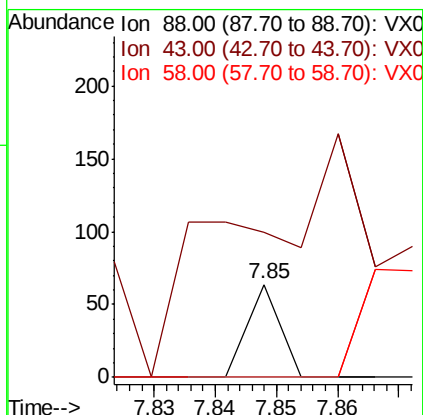
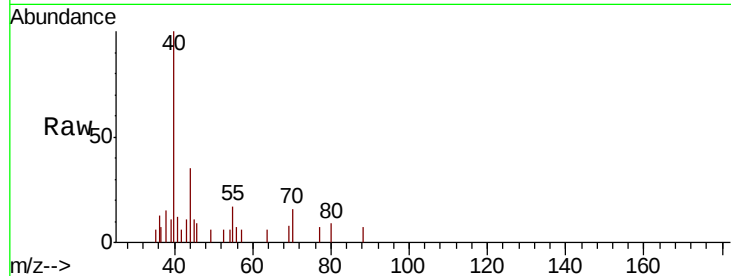




#49
1,4-Dioxane
Concen: 0.270 ug/l
RT: 7.85 min Scan# 1098
Delta R.T. 0.11 min
Lab File: VX010366.D
Acq: 20 Jun 2019 18:45

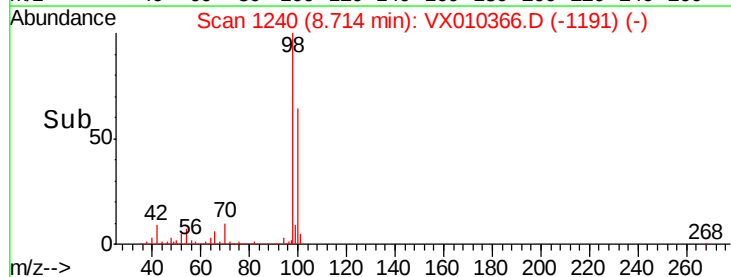
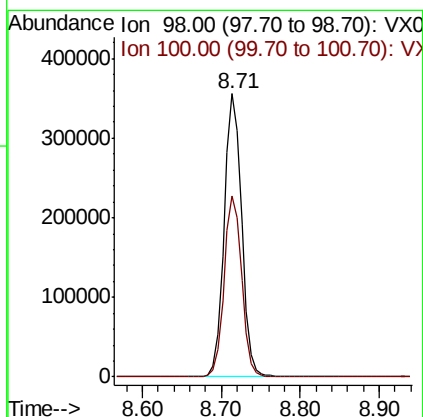
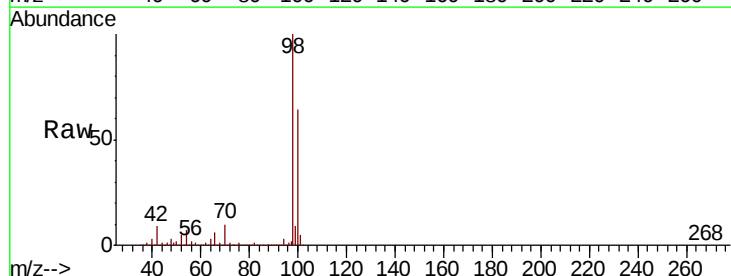
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-2-8.0-062019

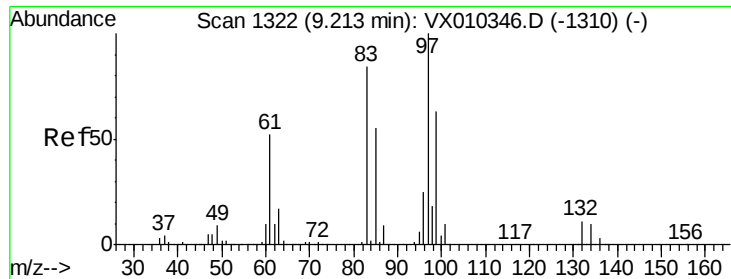
Tot Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 1369.6 20.2 30.2#
58 0.0 49.5 74.3#



#50
Toluene-d8
Concen: 49.793 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010366.D
Acq: 20 Jun 2019 18:45

Tgt Ion: 98 Resp: 547350
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4

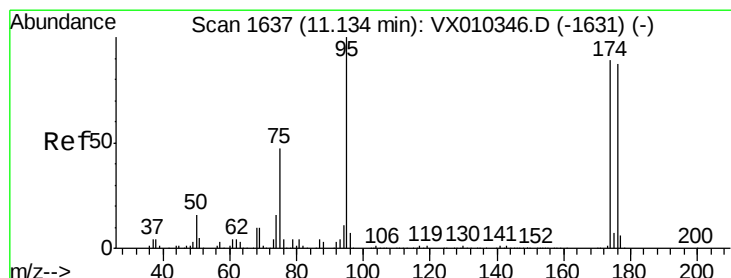
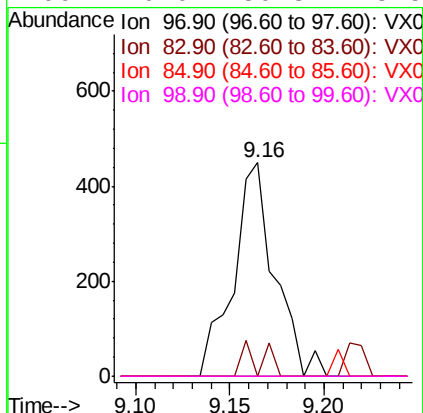
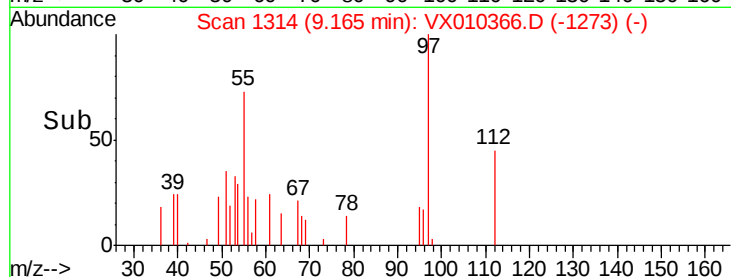
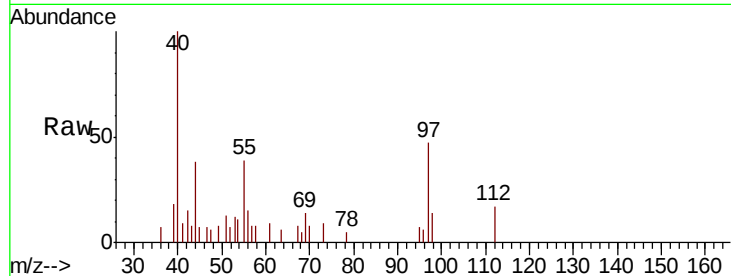




#55
 1,1,2-Trichloroethane
 Concen: 0.217 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.05 min
 Lab File: VX010366.D
 Acq: 20 Jun 2019 18:45

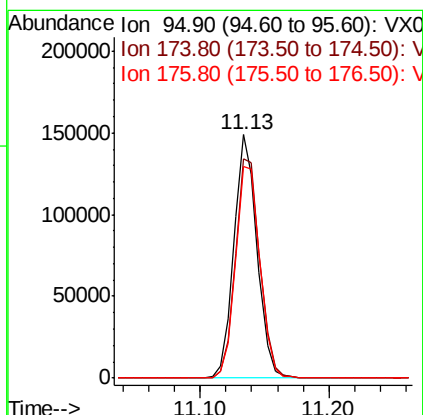
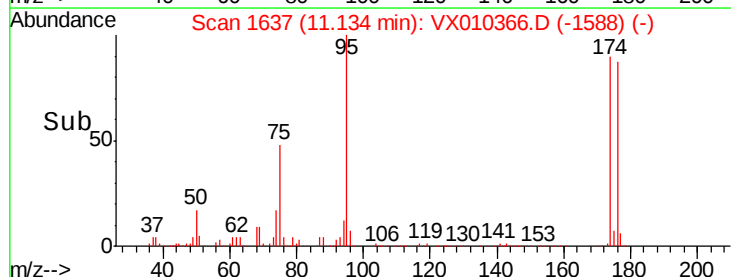
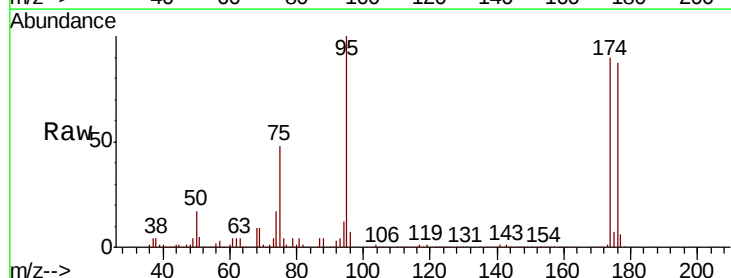
Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-2-8.0-062019

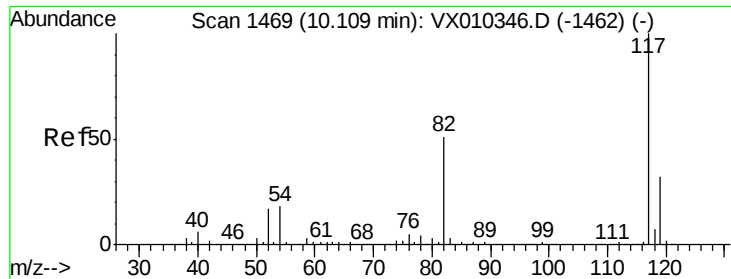
Tot Ion: 97 Resp: 684
 Ion Ratio Lower Upper
 97 100
 83 0.0 67.4 101.0#
 85 0.0 43.8 65.8#
 99 0.0 50.3 75.5#



#62
 4-Bromofluorobenzene
 Concen: 47.074 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX010366.D
 Acq: 20 Jun 2019 18:45

Tgt Ion: 95 Resp: 186819
 Ion Ratio Lower Upper
 95 100
 174 94.8 0.0 187.6
 176 92.1 0.0 184.0

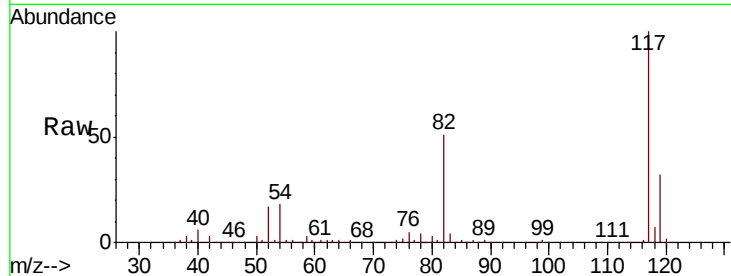




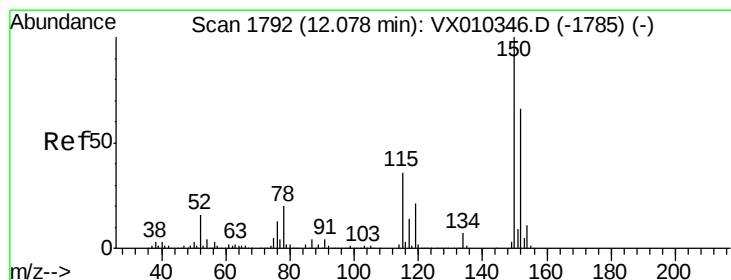
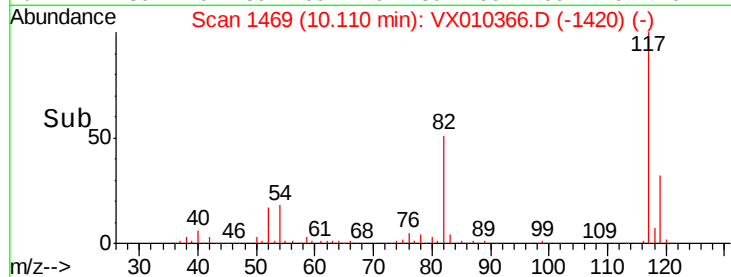
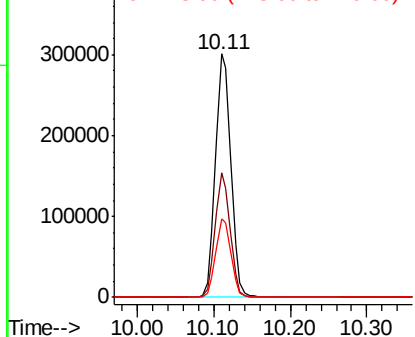
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010366.D
Acq: 20 Jun 2019 18:45

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-2-8.0-062019

Tot Ion:117 Resp: 421159
Ion Ratio Lower Upper
117 100
82 51.1 41.2 61.8
119 32.3 25.5 38.3

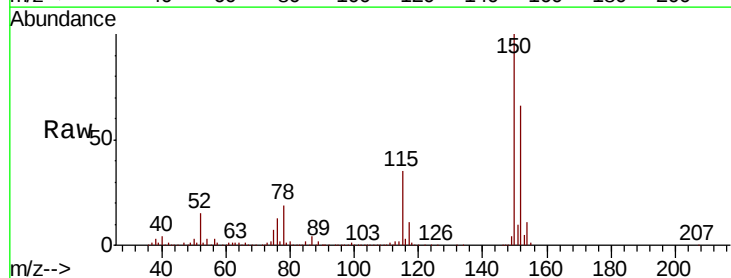


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

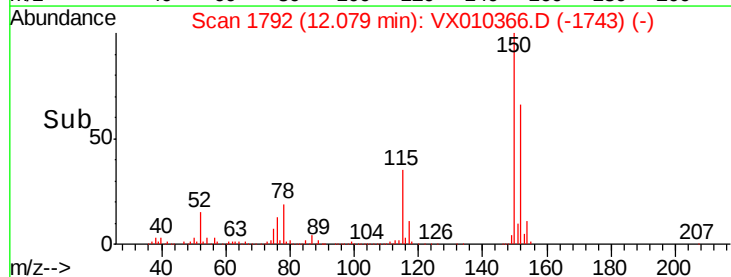
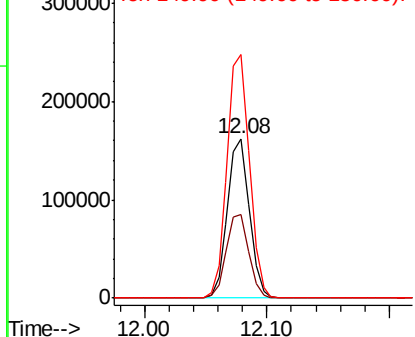


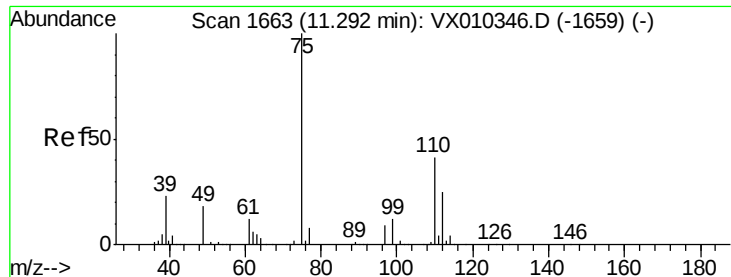
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010366.D
Acq: 20 Jun 2019 18:45

Tgt Ion:152 Resp: 200771
Ion Ratio Lower Upper
152 100
115 54.5 38.6 115.7
150 156.4 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





#76

1,2,3-Trichloropropane

Concen: 24.164 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010366.D

Acq: 20 Jun 2019 18:45

Instrument :

MSVOA_X

ClientSampleId :

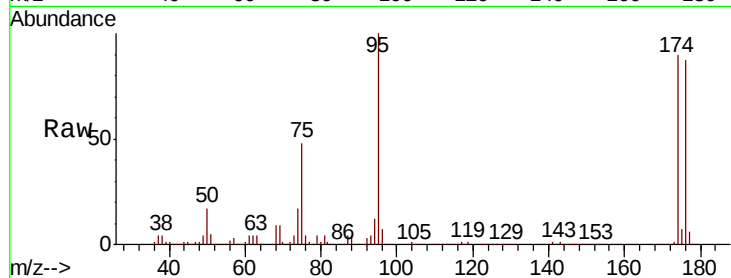
T11-MW-2-8.0-062019

Tot Ion: 75 Resp: 88406

Ion Ratio Lower Upper

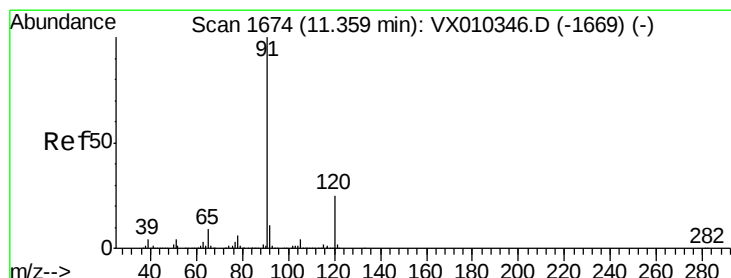
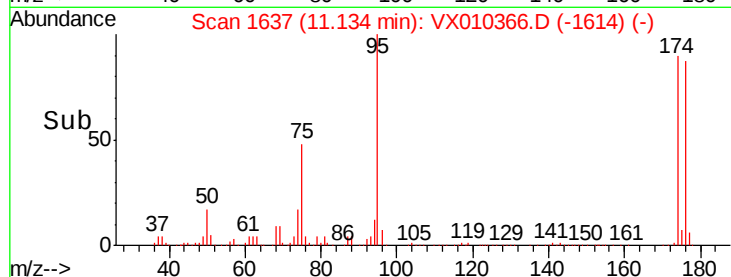
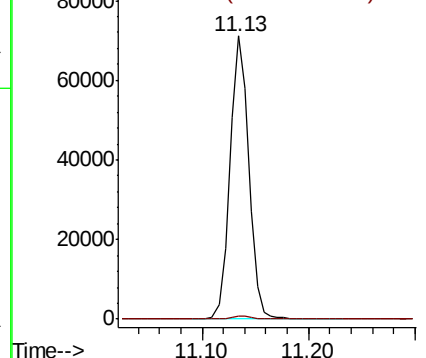
75 100

77 1.1 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 0.577 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010366.D

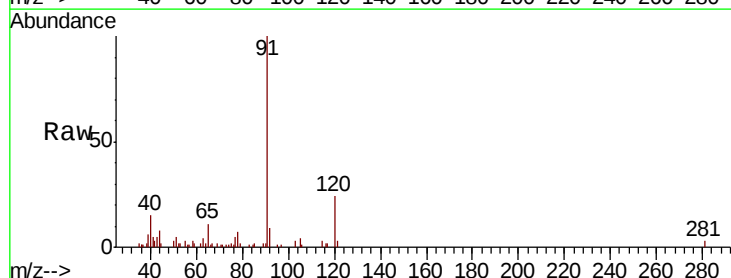
Acq: 20 Jun 2019 18:45

Tgt Ion: 91 Resp: 8624

Ion Ratio Lower Upper

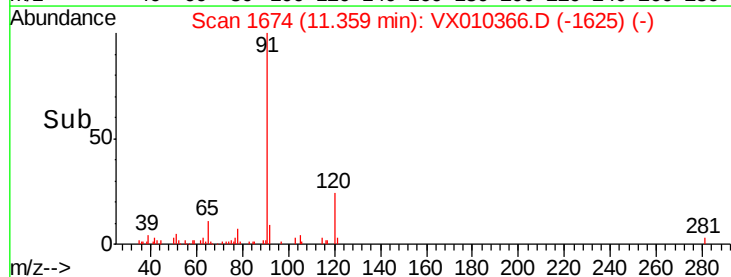
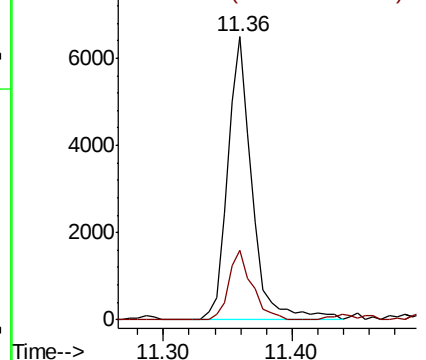
91 100

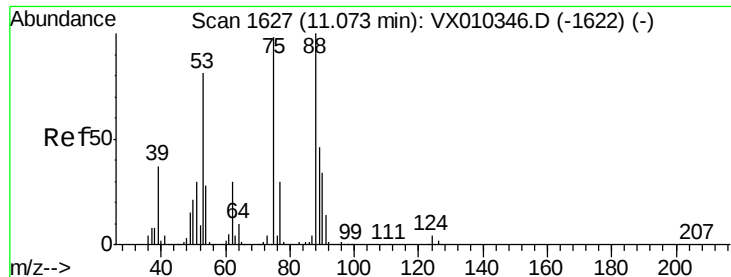
120 23.4 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 56.372 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010366.D

Acq: 20 Jun 2019 18:45

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-2-8.0-062019

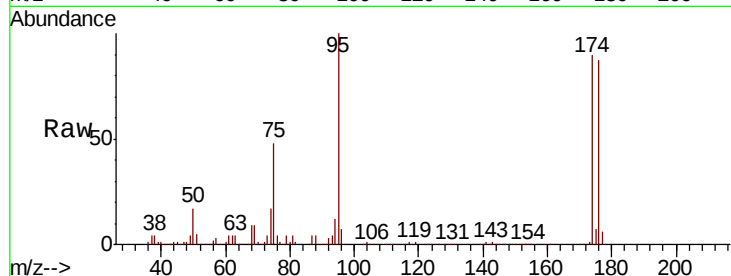
Tot Ion: 75 Resp: 88406

Ion Ratio Lower Upper

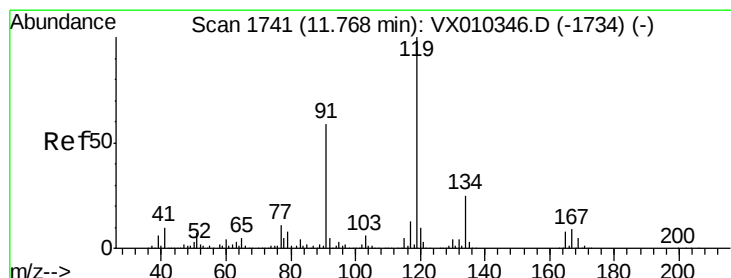
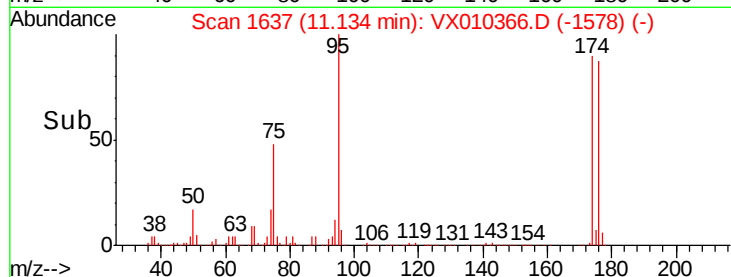
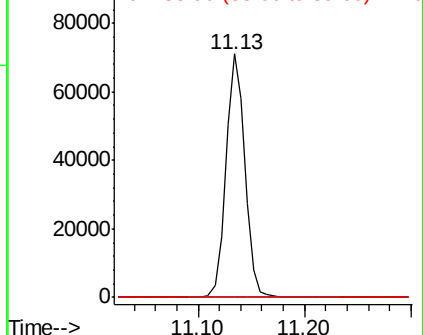
75 100

53 0.1 66.1 99.1#

89 0.0 37.8 56.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#83

tert-Butylbenzene

Concen: 0.229 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010366.D

Acq: 20 Jun 2019 18:45

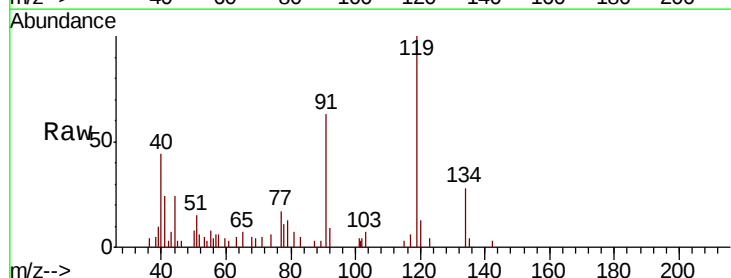
Tgt Ion: 119 Resp: 2574

Ion Ratio Lower Upper

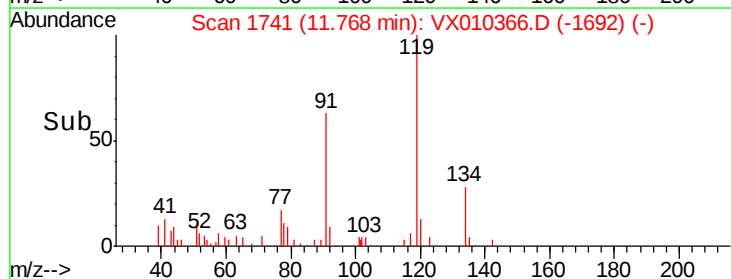
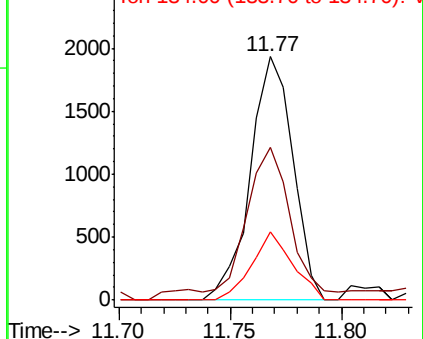
119 100

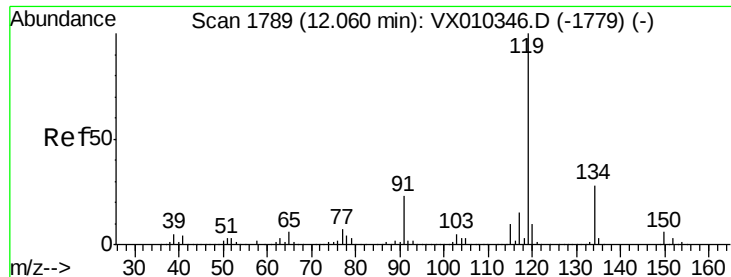
91 70.7 27.6 82.7

134 26.5 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V

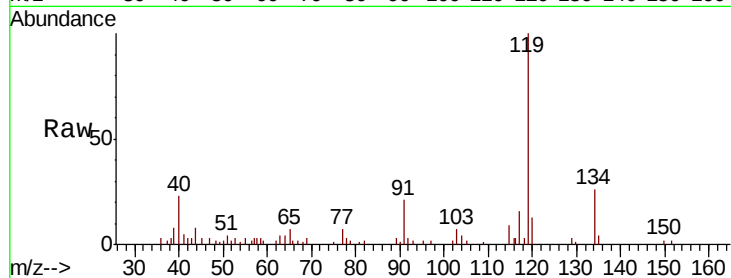




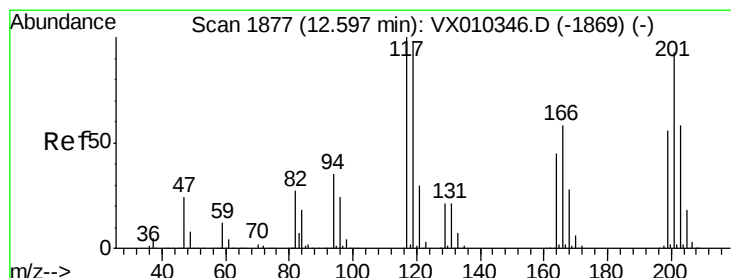
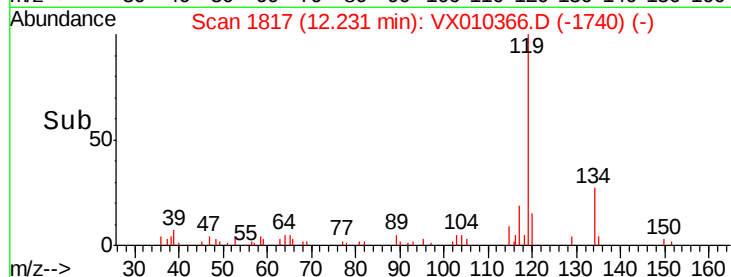
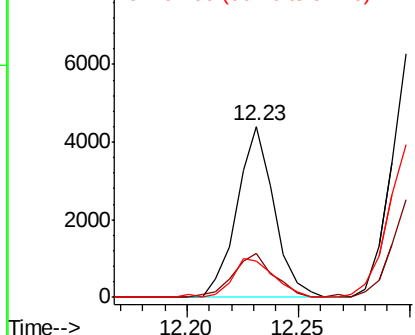
#86
p-Isopropyltoluene
Concen: 0.417 ug/l
RT: 12.23 min Scan# 1817
Delta R.T. 0.17 min
Lab File: VX010366.D
Acq: 20 Jun 2019 18:45

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-2-8.0-062019

Tot Ion:119 Resp: 5097
Ion Ratio Lower Upper
119 100
134 27.6 13.7 41.1
91 25.5 11.3 33.8

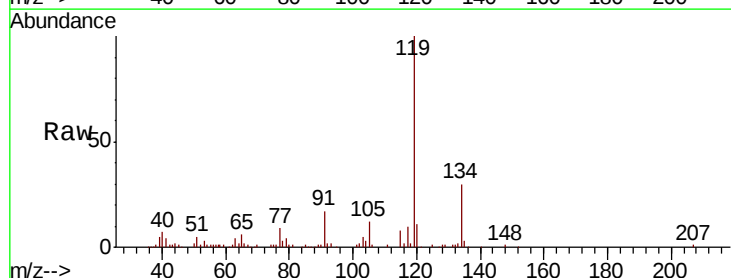


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

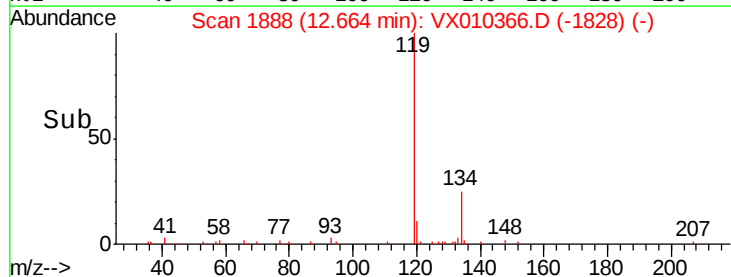
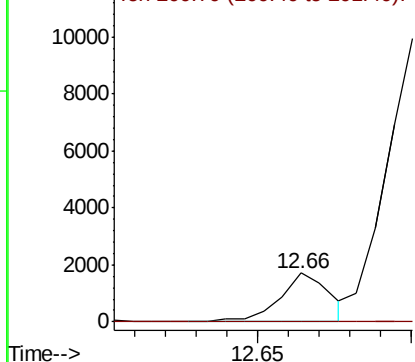


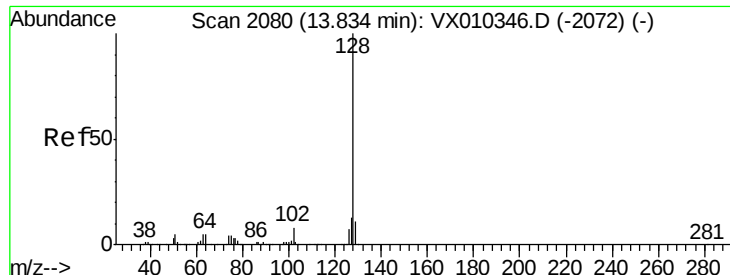
#90
Hexachloroethane
Concen: 0.909 ug/l
RT: 12.66 min Scan# 1888
Delta R.T. 0.07 min
Lab File: VX010366.D
Acq: 20 Jun 2019 18:45

Tgt Ion:117 Resp: 1923
Ion Ratio Lower Upper
117 100
201 0.0 44.0 131.8#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#95
Naphthalene
Concen: 0.772 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010366.D
Acq: 20 Jun 2019 18:45

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-2-8.0-062019

Tot Ion	Ratio	Lower	Upper
128	100		
127	18.8	10.2	15.4#
129	14.8	8.9	13.3#

