

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062019\
 Data File : VX010367.D
 Acq On : 20 Jun 2019 19:08
 Operator : JC/SP
 Sample : K3469-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-16-10.5-062019

Quant Time: Jun 21 01:24:22 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	307050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	462898	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	410284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	195613	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	140119	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
35) Dibromofluoromethane	5.50	113	142635	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
50) Toluene-d8	8.71	98	542270	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.13	95	181691	46.45	ug/l	0.00
Spiked Amount			Recovery	=	92.90%	

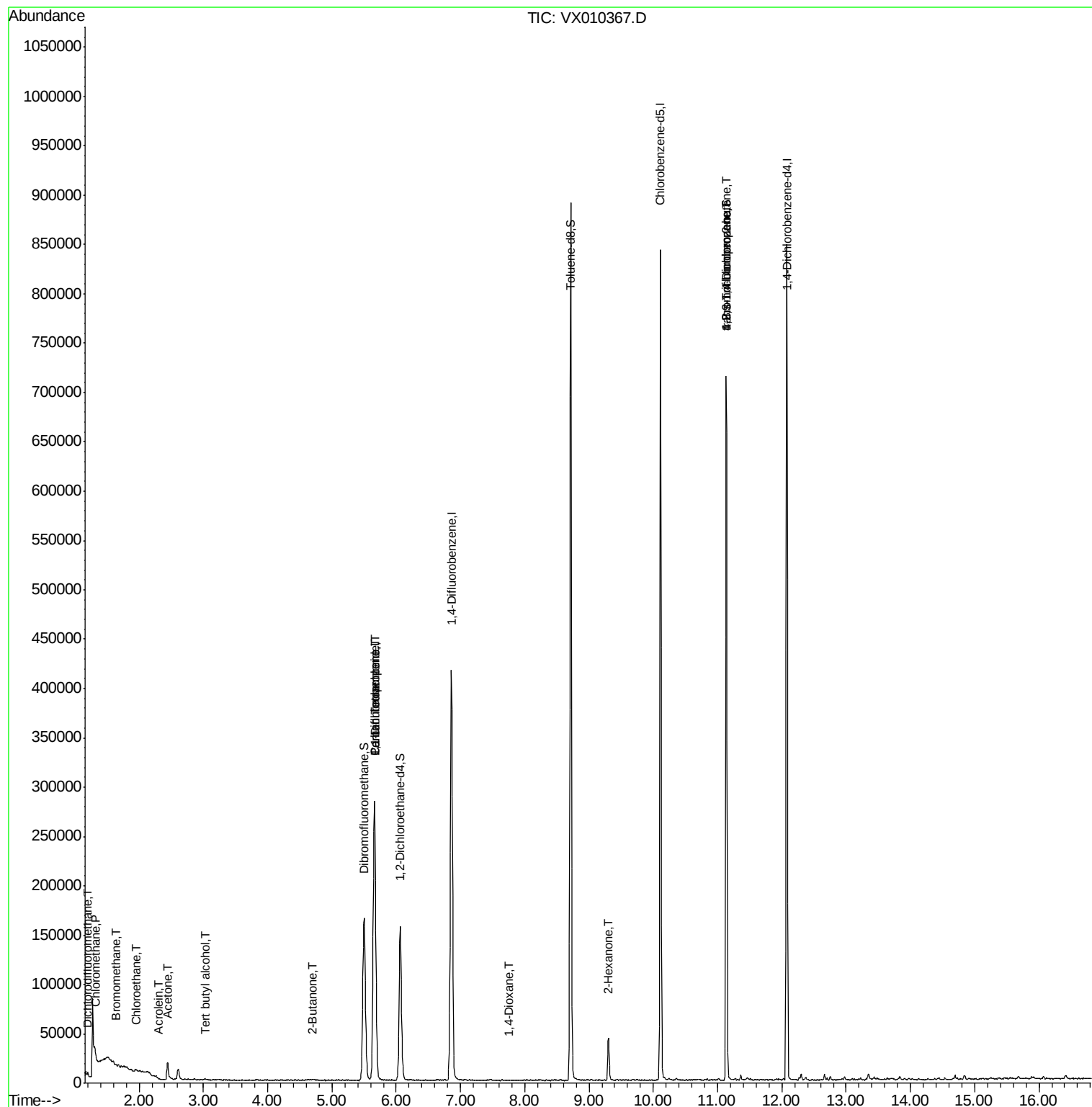
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	1645	0.771	ug/l	93
3) Chloromethane	1.32	50	1223	0.492	ug/l	90
5) Bromomethane	1.65	94	849	0.640	ug/l #	74
6) Chloroethane	1.95	64	1617	1.007	ug/l #	67
11) Tert butyl alcohol	3.03	59	746	0.990	ug/l #	86
13) Acrolein	2.30	56	263	0.526	ug/l #	14
16) Acetone	2.44	43	17698	12.266	ug/l	97
25) 2-Butanone	4.70	43	1242	0.587	ug/l #	63
36) 1,1-Dichloropropene	5.66	75	18331	4.983	ug/l #	48
38) Carbon Tetrachloride	5.67	117	26814	6.732	ug/l #	15
49) 1,4-Dioxane	7.76	88	58	0.692	ug/l #	2
59) 2-Hexanone	9.30	43	22615	7.176	ug/l	77
76) 1,2,3-Trichloropropane	11.13	75	84738	23.772	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	84738	55.458	ug/l #	16

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062019\
Data File : VX010367.D
Acq On : 20 Jun 2019 19:08
Operator : JC/SP
Sample : K3469-16
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-16-10.5-062019

Quant Time: Jun 21 01:24:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
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: VX010367.D

Acq: 20 Jun 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

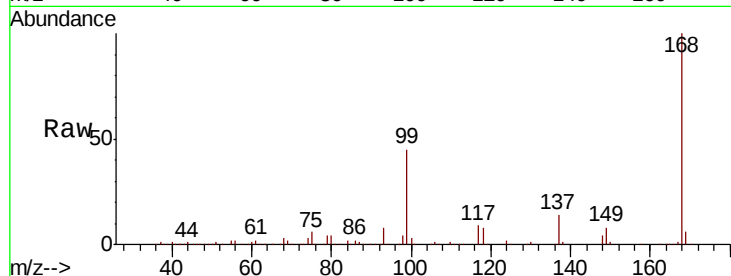
T11-MW-16-10.5-062019

Tot Ion:168 Resp: 307050

Ion Ratio Lower Upper

168 100

99 45.1 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

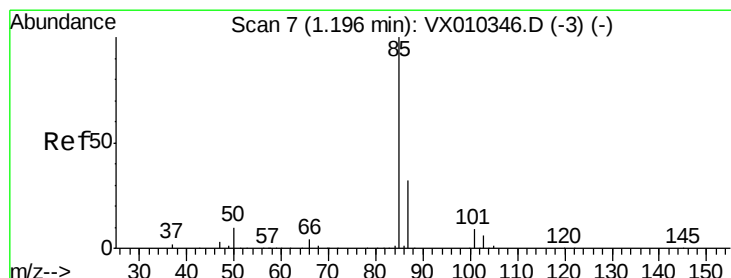
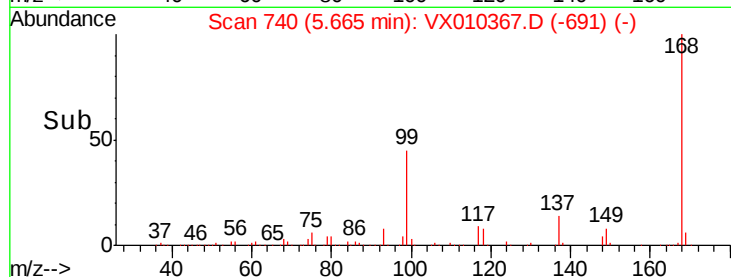
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.771 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010367.D

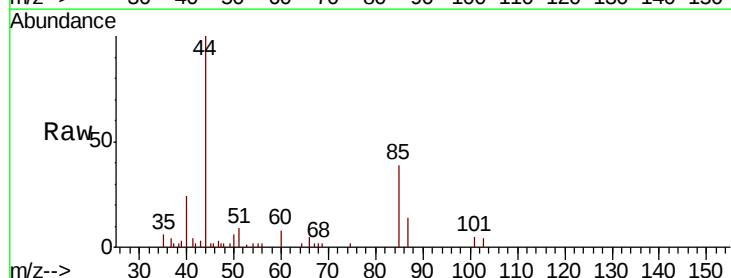
Acq: 20 Jun 2019 19:08

Tgt Ion: 85 Resp: 1645

Ion Ratio Lower Upper

85 100

87 36.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

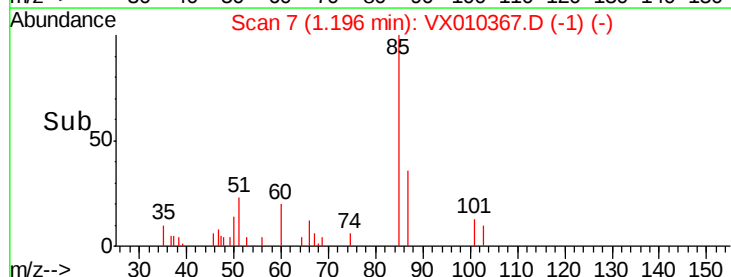
1500

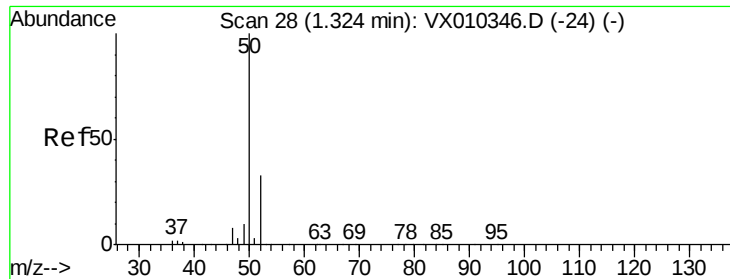
1000

500

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 0.492 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010367.D

Acq: 20 Jun 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

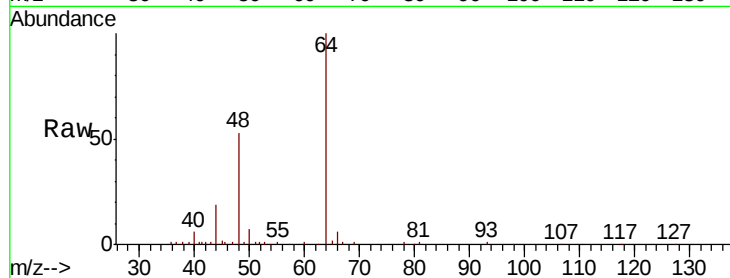
T11-MW-16-10.5-062019

Tot Ion: 50 Resp: 1223

Ion Ratio Lower Upper

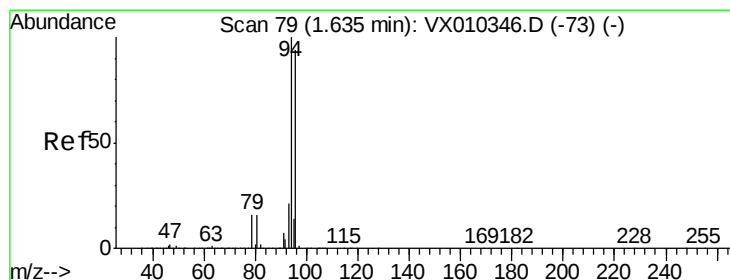
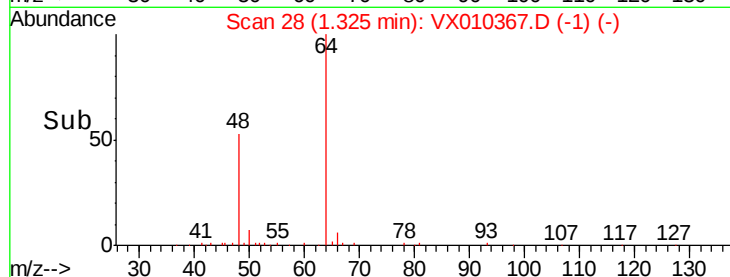
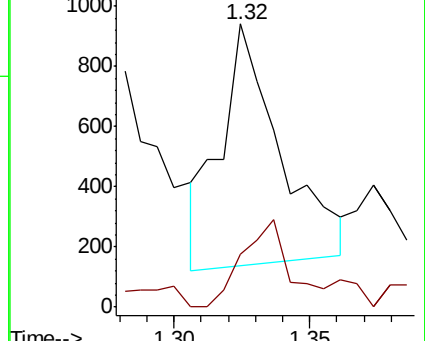
50 100

52 27.6 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 0.640 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010367.D

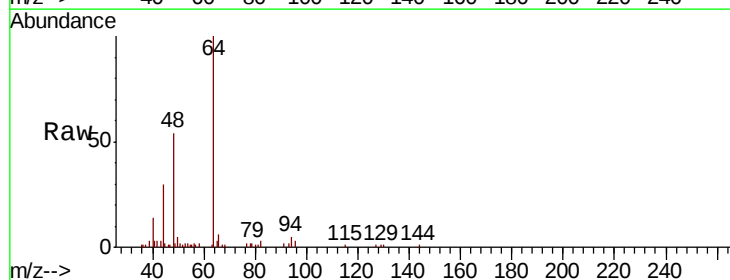
Acq: 20 Jun 2019 19:08

Tgt Ion: 94 Resp: 849

Ion Ratio Lower Upper

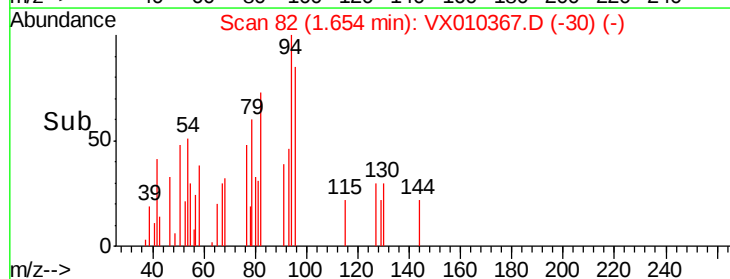
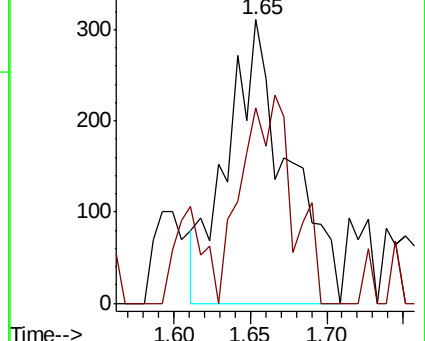
94 100

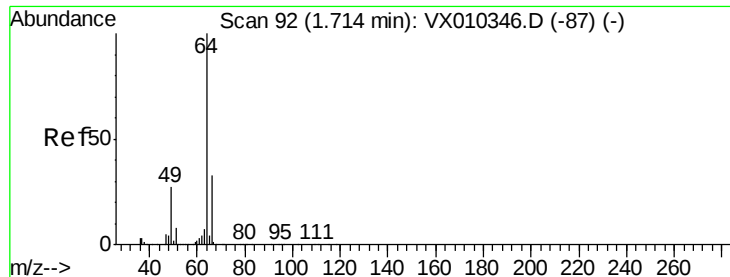
96 68.8 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 1.007 ug/l

RT: 1.95 min Scan# 131

Delta R.T. 0.24 min

Lab File: VX010367.D

Acq: 20 Jun 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

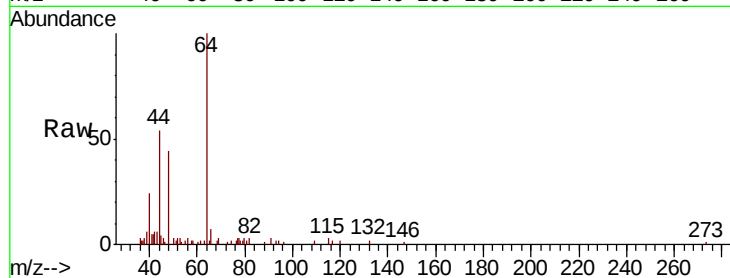
T11-MW-16-10.5-062019

Tot Ion: 64 Resp: 1617

Ion Ratio Lower Upper

64 100

66 14.4 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.95

4000

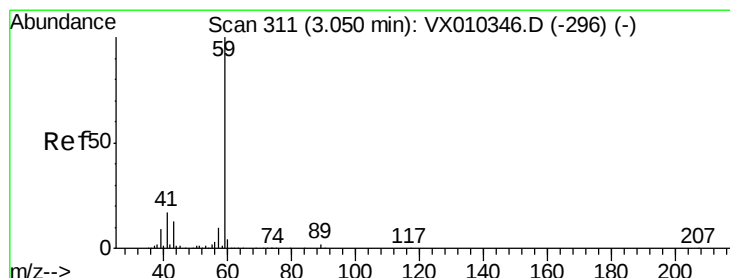
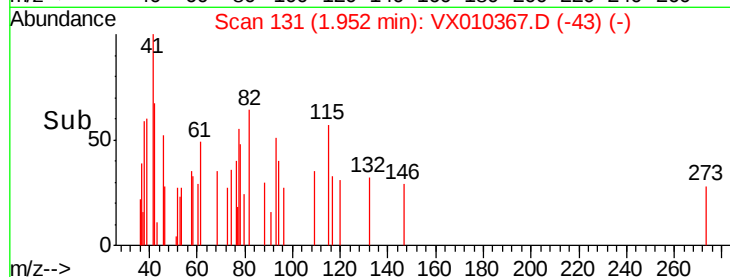
3000

2000

1000

0

Time--> 1.90 1.95 2.00



#11

Tert butyl alcohol

Concen: 0.990 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.02 min

Lab File: VX010367.D

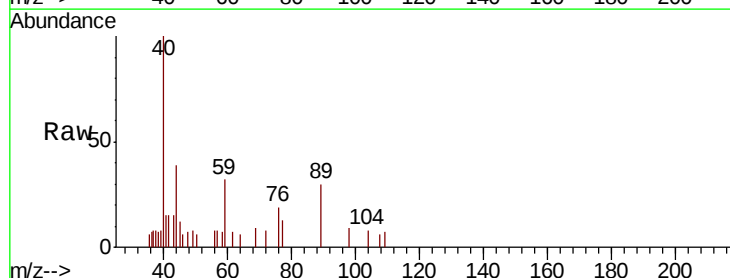
Acq: 20 Jun 2019 19:08

Tgt Ion: 59 Resp: 746

Ion Ratio Lower Upper

59 100

57 14.9 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

300

250

200

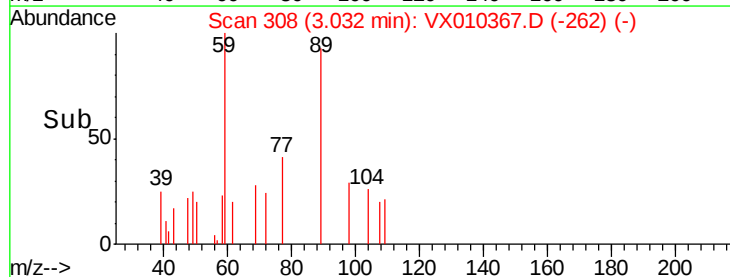
150

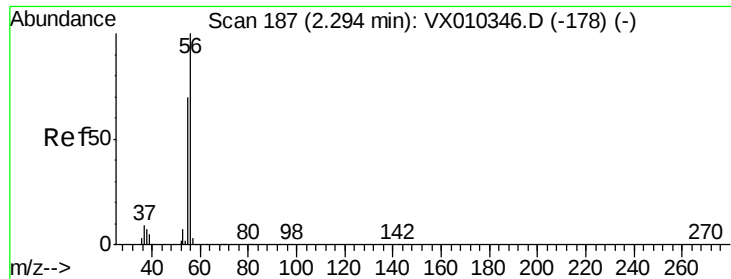
100

50

0

Time--> 3.00 3.05 3.10





#13

Acrolein

Concen: 0.526 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010367.D

Acq: 20 Jun 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

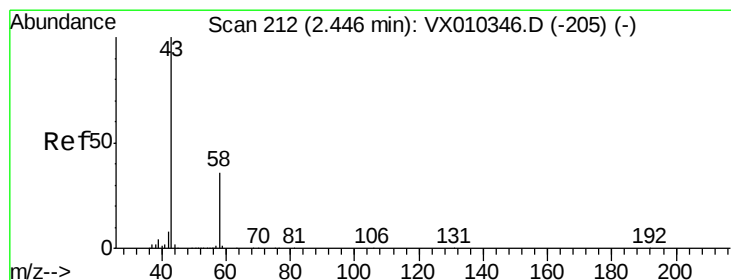
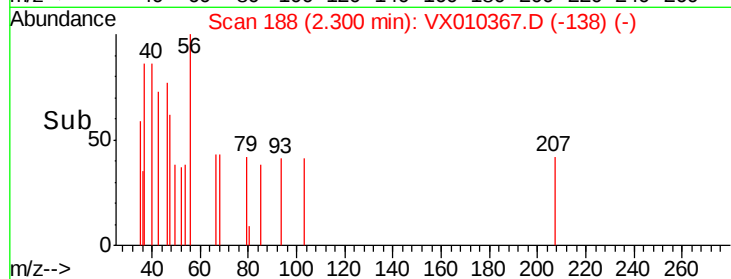
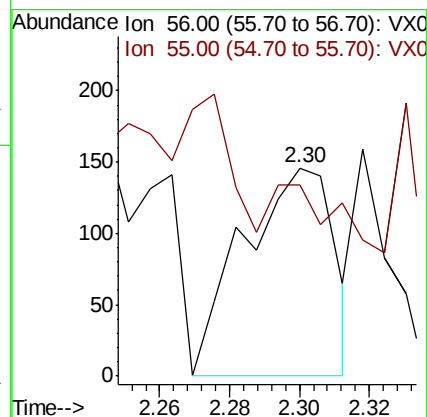
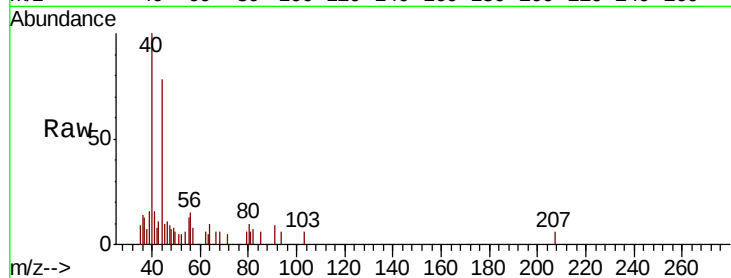
T11-MW-16-10.5-062019

Tot Ion: 56 Resp: 263

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#16

Acetone

Concen: 12.266 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010367.D

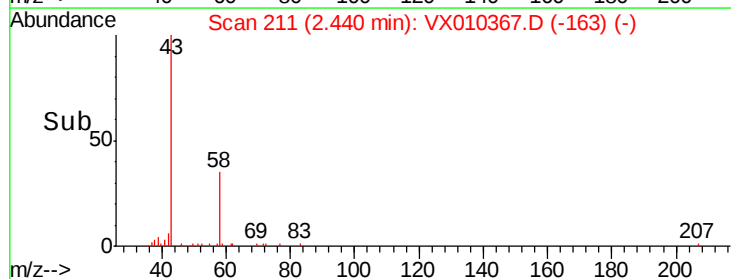
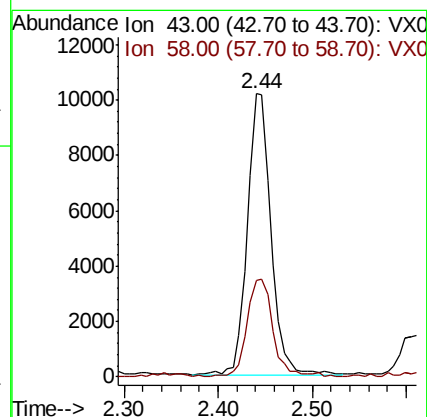
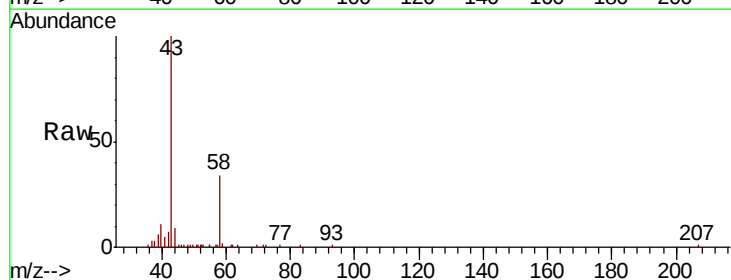
Acq: 20 Jun 2019 19:08

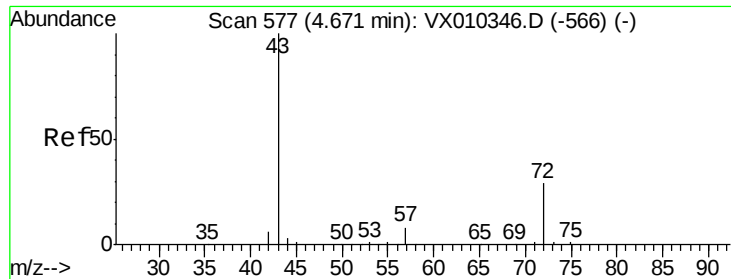
Tgt Ion: 43 Resp: 17698

Ion Ratio Lower Upper

43 100

58 34.5 28.9 43.3





#25

2-Butanone

Concen: 0.587 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.03 min

Lab File: VX010367.D

Acq: 20 Jun 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

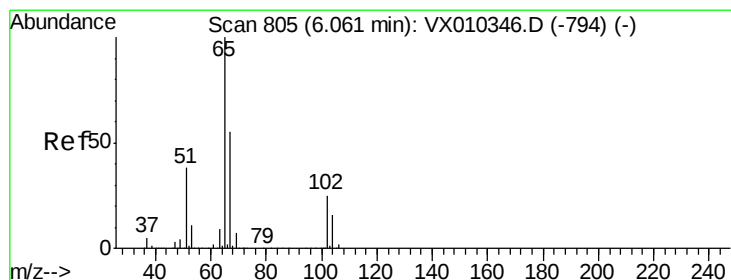
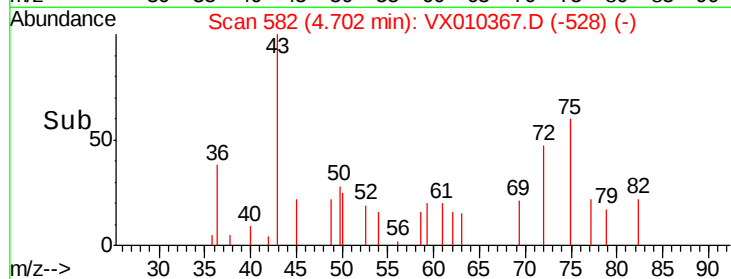
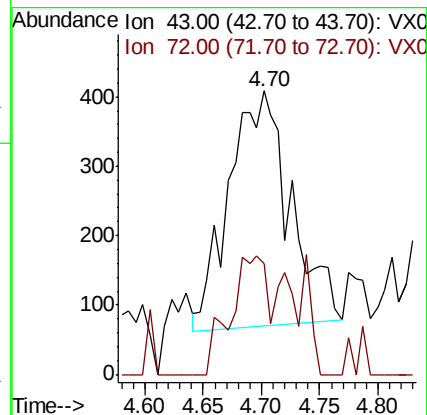
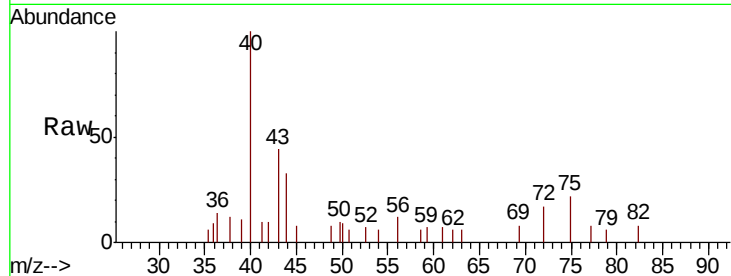
T11-MW-16-10.5-062019

Tot Ion: 43 Resp: 1242

Ion Ratio Lower Upper

43 100

72 48.6 23.3 34.9#



#33

1,2-Dichloroethane-d4

Concen: 48.671 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010367.D

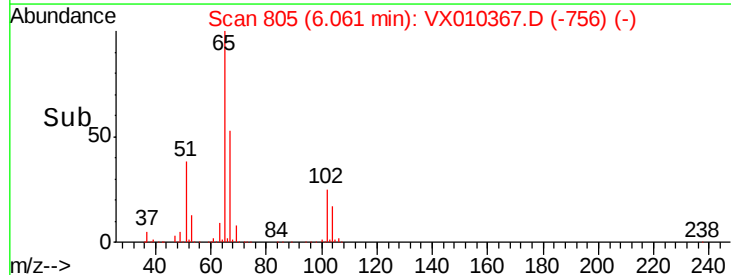
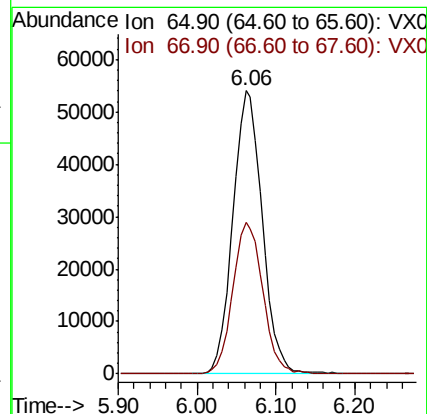
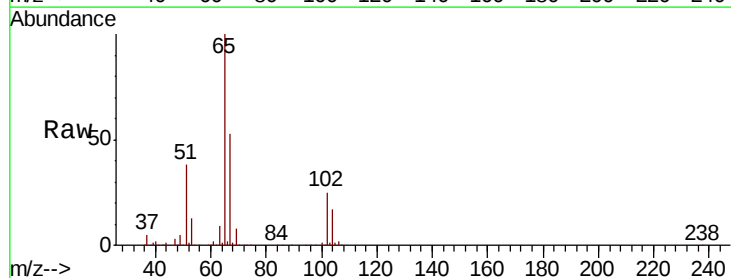
Acq: 20 Jun 2019 19:08

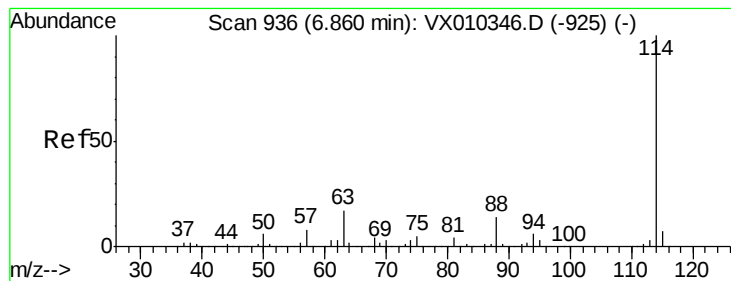
Tgt Ion: 65 Resp: 140119

Ion Ratio Lower Upper

65 100

67 54.6 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: VX010367.D

Acq: 20 Jun 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-16-10.5-062019

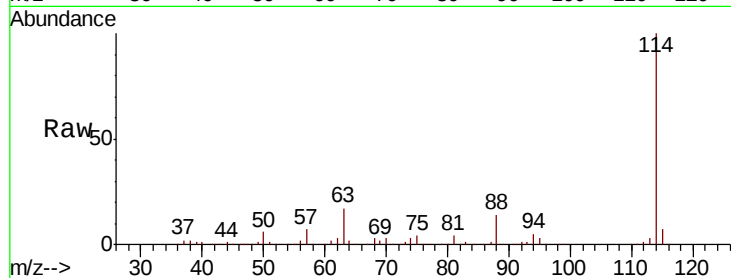
Tot Ion:114 Resp: 462898

Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.8

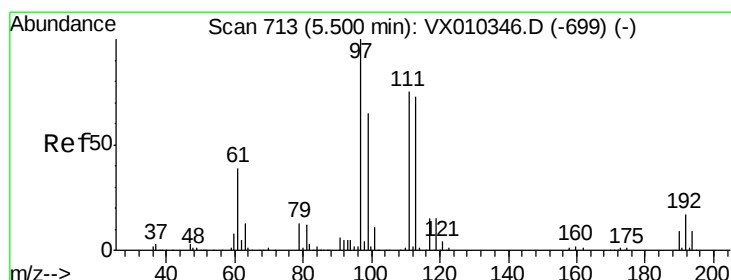
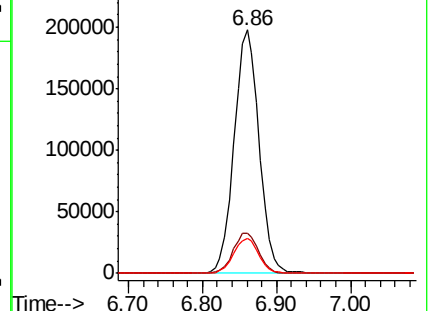
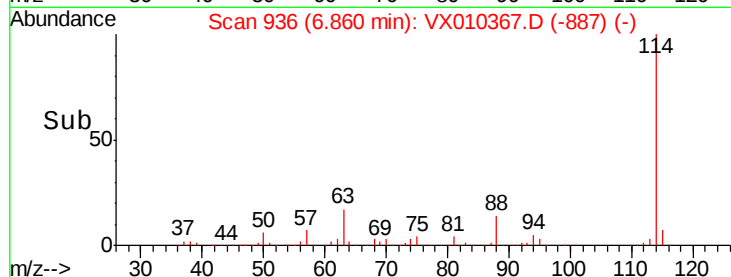
88 14.2 0.0 27.6



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



#35

Dibromofluoromethane

Concen: 50.362 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010367.D

Acq: 20 Jun 2019 19:08

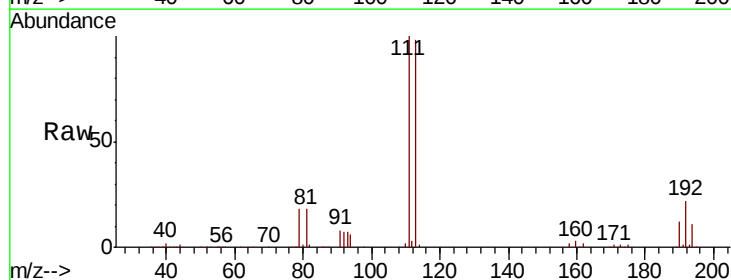
Tgt Ion:113 Resp: 142635

Ion Ratio Lower Upper

113 100

111 100.4 81.2 121.8

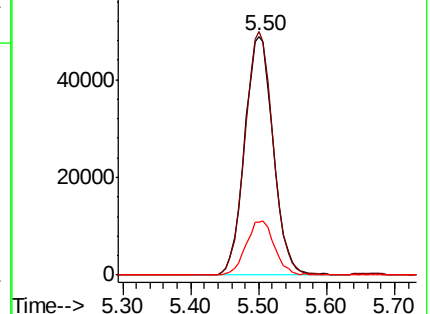
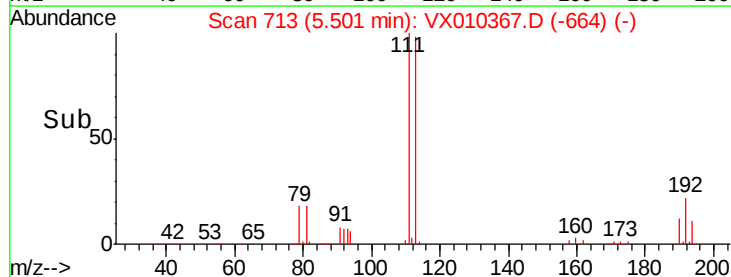
192 22.6 18.6 27.8

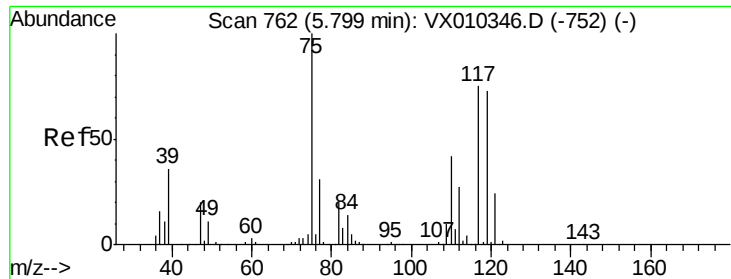


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

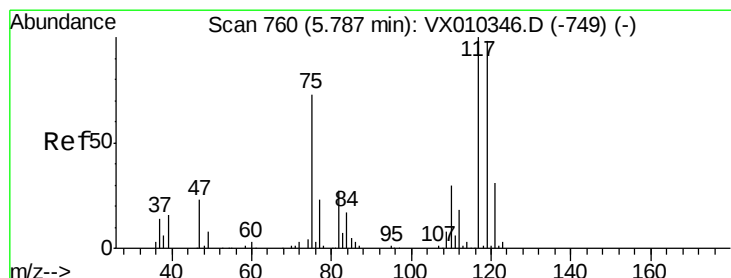
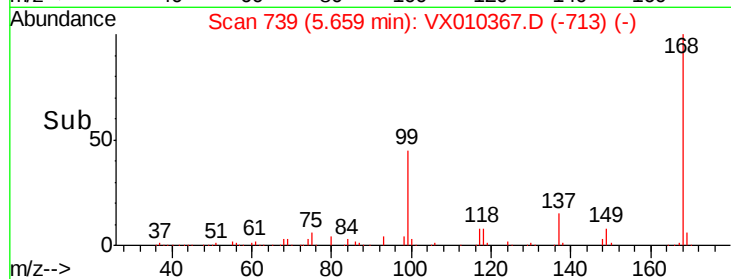
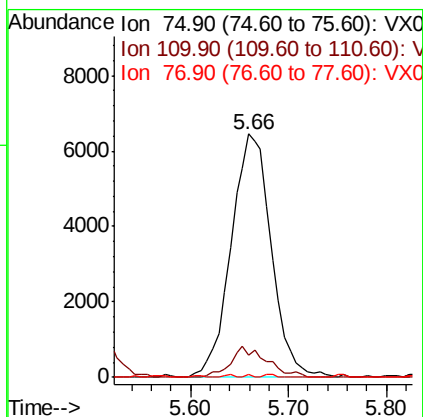
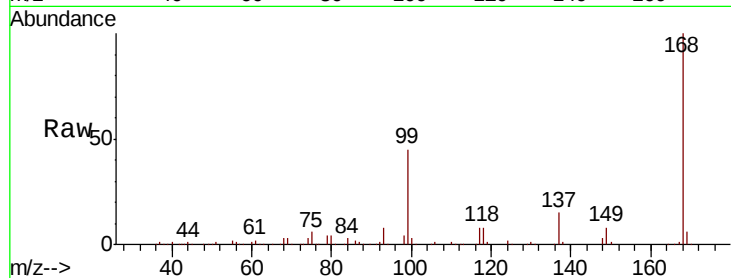




#36
 1,1-Dichloropropene
 Concen: 4.983 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010367.D
 Acq: 20 Jun 2019 19:08

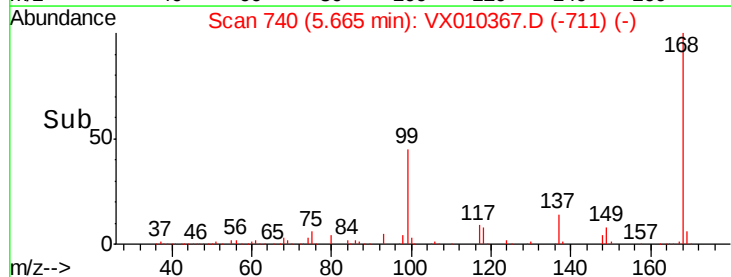
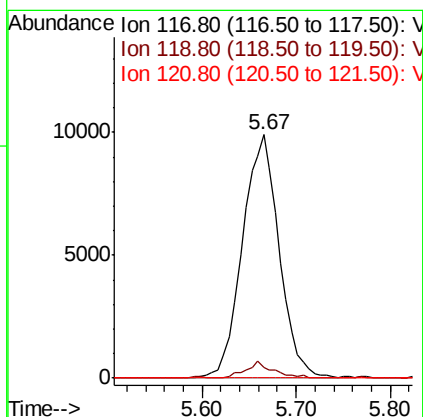
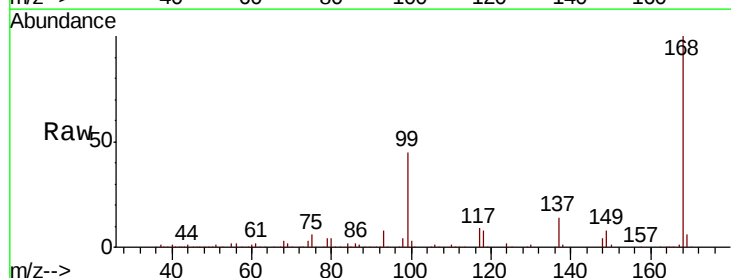
Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-16-10.5-062019

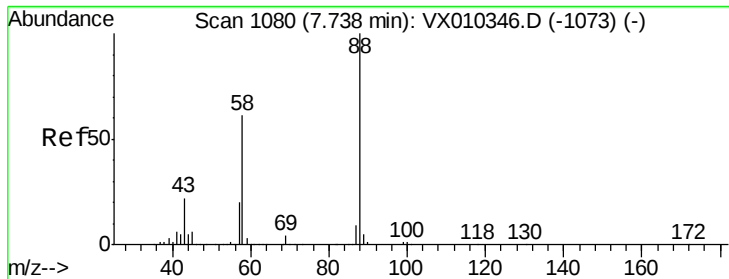
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.5	20.8	62.2#
77	0.1	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.732 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010367.D
 Acq: 20 Jun 2019 19:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	78.2	117.4#
121	0.0	24.7	37.1#

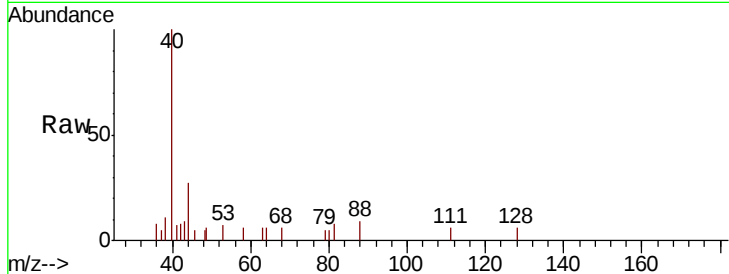




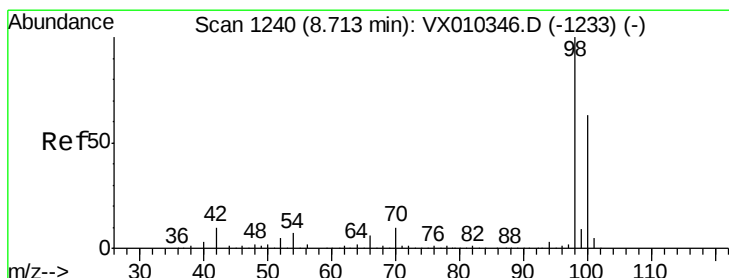
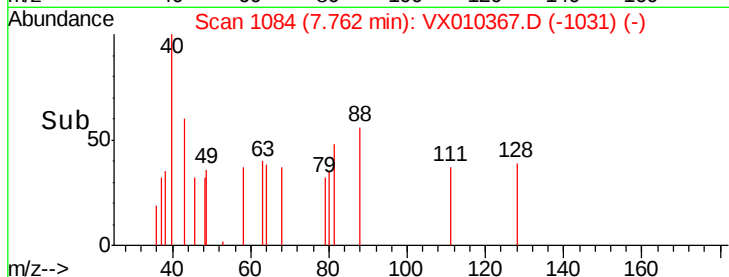
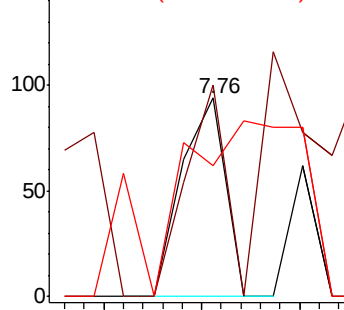
#49
1,4-Dioxane
Concen: 0.692 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.02 min
Lab File: VX010367.D
Acq: 20 Jun 2019 19:08

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-16-10.5-062019

Tot Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 96.6 20.2 30.2#
58 0.0 49.5 74.3#

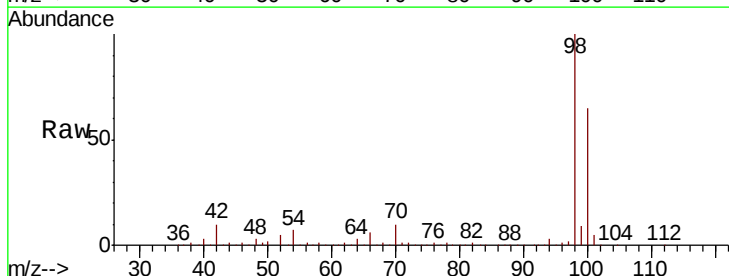


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

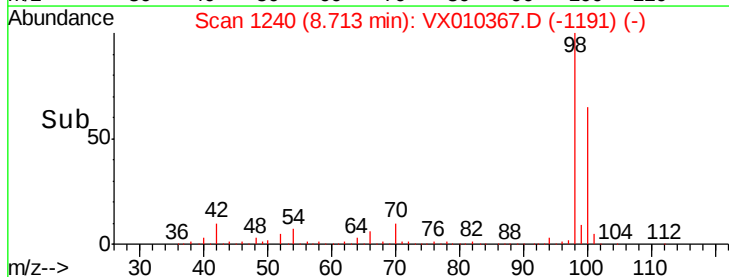
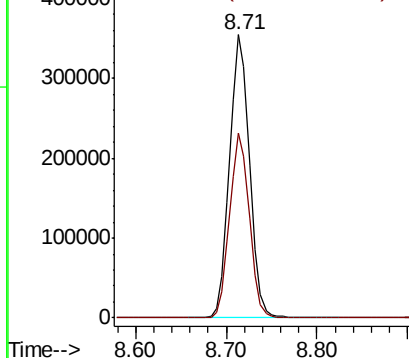


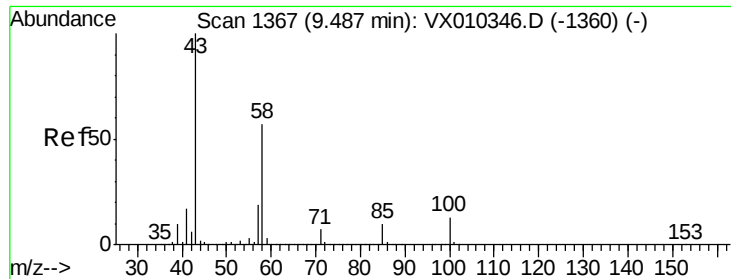
#50
Toluene-d8
Concen: 50.046 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010367.D
Acq: 20 Jun 2019 19:08

Tgt Ion: 98 Resp: 542270
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

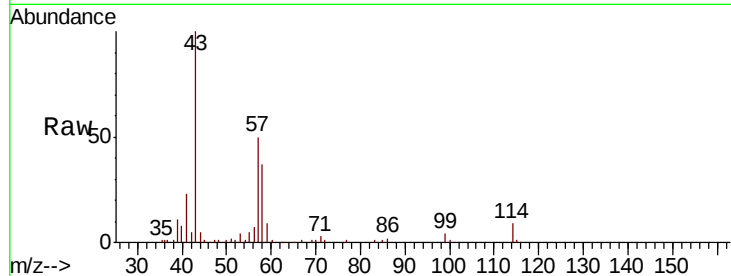




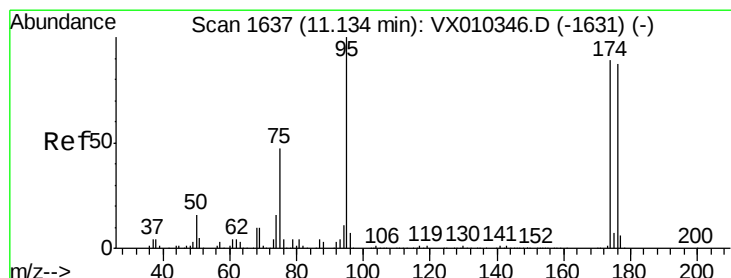
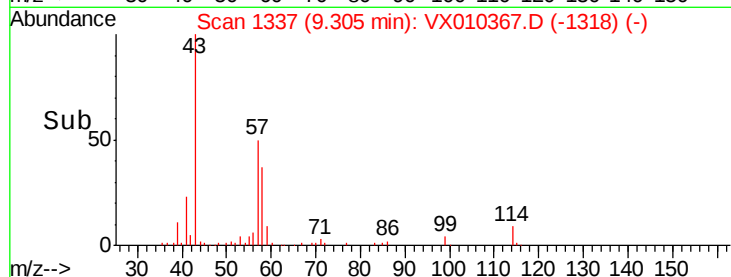
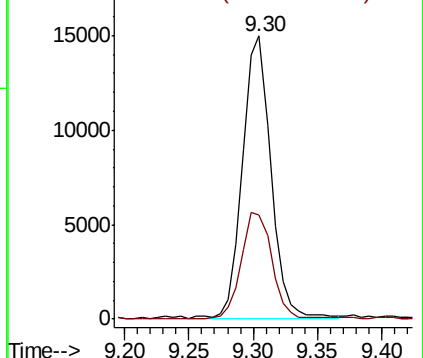
#59
2-Hexanone
Concen: 7.176 ug/l
RT: 9.30 min Scan# 1337
Delta R.T. -0.18 min
Lab File: VX010367.D
Acq: 20 Jun 2019 19:08

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-16-10.5-062019

Tot Ion: 43 Resp: 22615
Ion Ratio Lower Upper
43 100
58 41.3 29.0 87.1

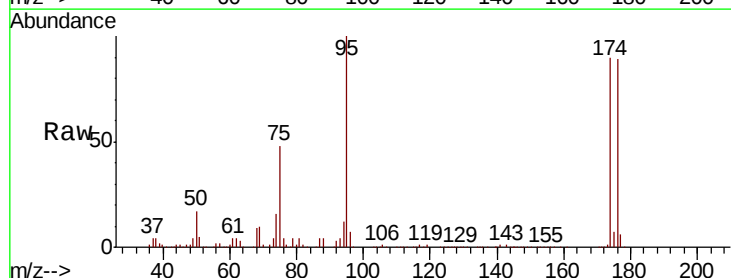


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

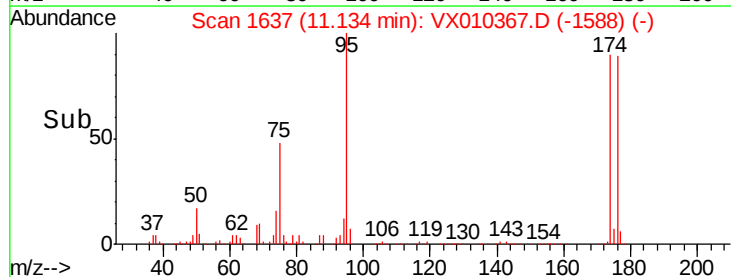
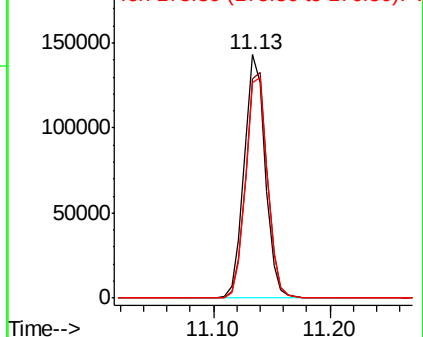


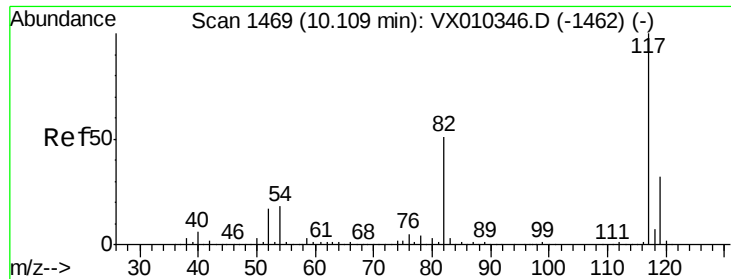
#62
4-Bromofluorobenzene
Concen: 46.446 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010367.D
Acq: 20 Jun 2019 19:08

Tgt Ion: 95 Resp: 181691
Ion Ratio Lower Upper
95 100
174 95.8 0.0 187.6
176 93.6 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

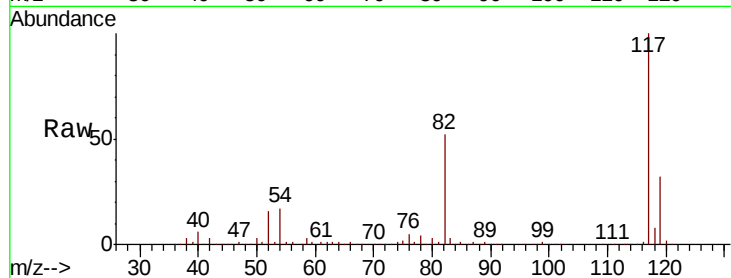




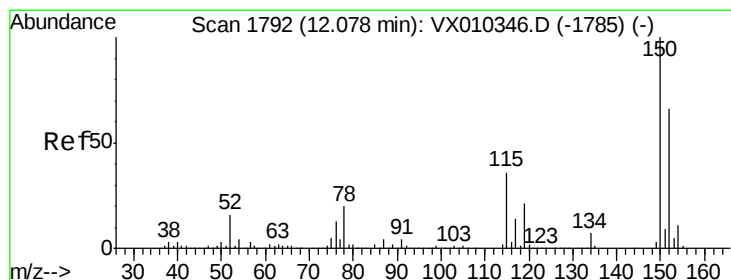
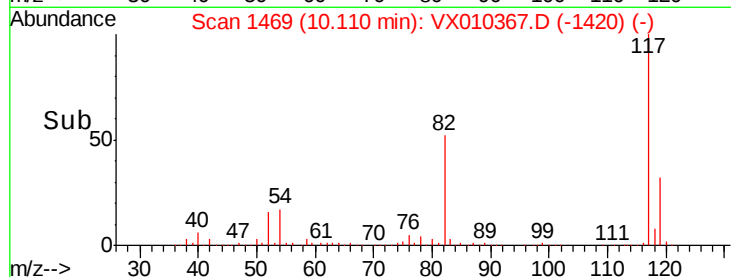
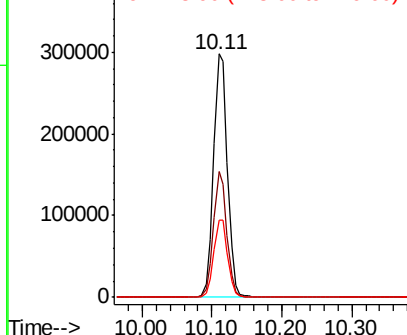
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010367.D
Acq: 20 Jun 2019 19:08

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-16-10.5-062019

Tot Ion:117 Resp: 410284
Ion Ratio Lower Upper
117 100
82 51.7 41.2 61.8
119 31.9 25.5 38.3

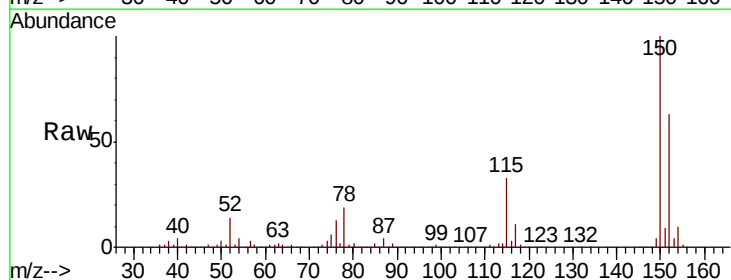


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

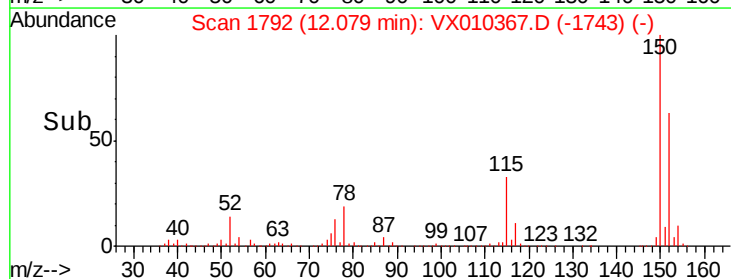
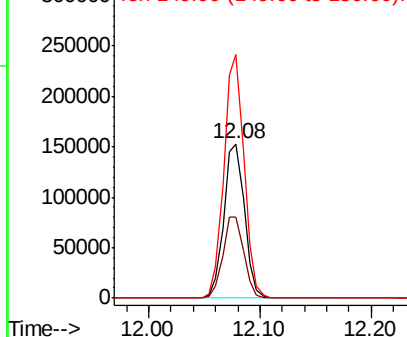


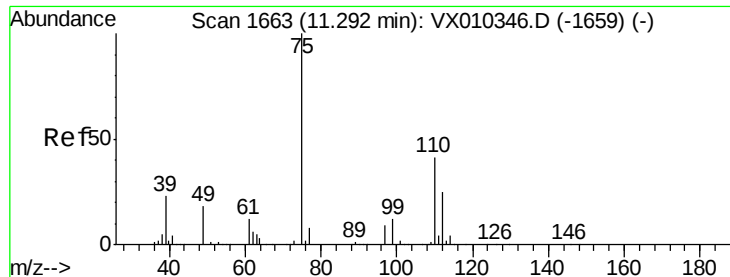
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010367.D
Acq: 20 Jun 2019 19:08

Tgt Ion:152 Resp: 195613
Ion Ratio Lower Upper
152 100
115 53.6 38.6 115.7
150 154.4 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

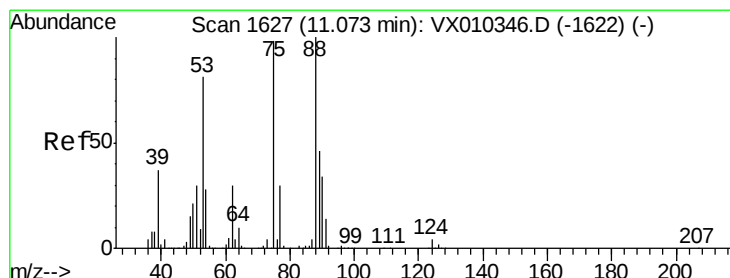
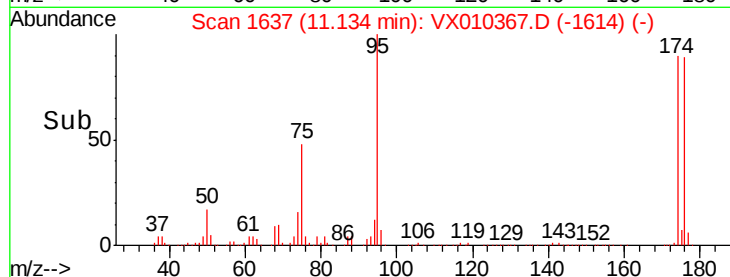
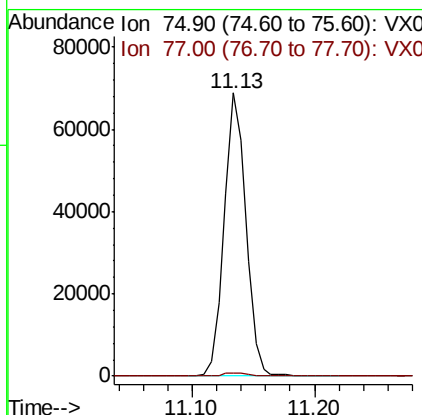
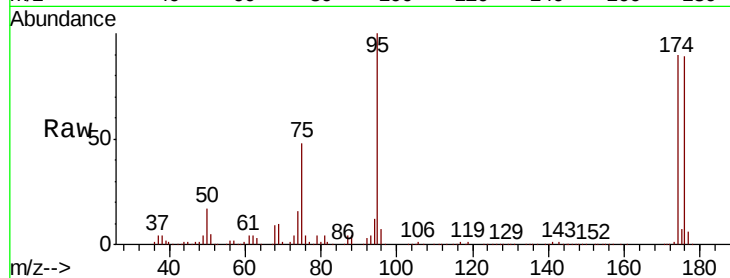




#76
 1,2,3-Trichloropropane
 Concen: 23.772 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010367.D
 Acq: 20 Jun 2019 19:08

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-16-10.5-062019

Tot Ion: 75 Resp: 84738
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.458 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010367.D
 Acq: 20 Jun 2019 19:08

Tgt Ion: 75 Resp: 84738
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.1 99.1#
 89 0.0 37.8 56.6#

