

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010643.D
 Acq On : 03 Jul 2019 16:25
 Operator : JC/SP
 Sample : K3635-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-B

Quant Time: Jul 04 03:37:43 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	243722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	374827	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	341478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	159255	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	120106	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
35) Dibromofluoromethane	5.50	113	114500	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
50) Toluene-d8	8.71	98	443570	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	11.13	95	149074	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	

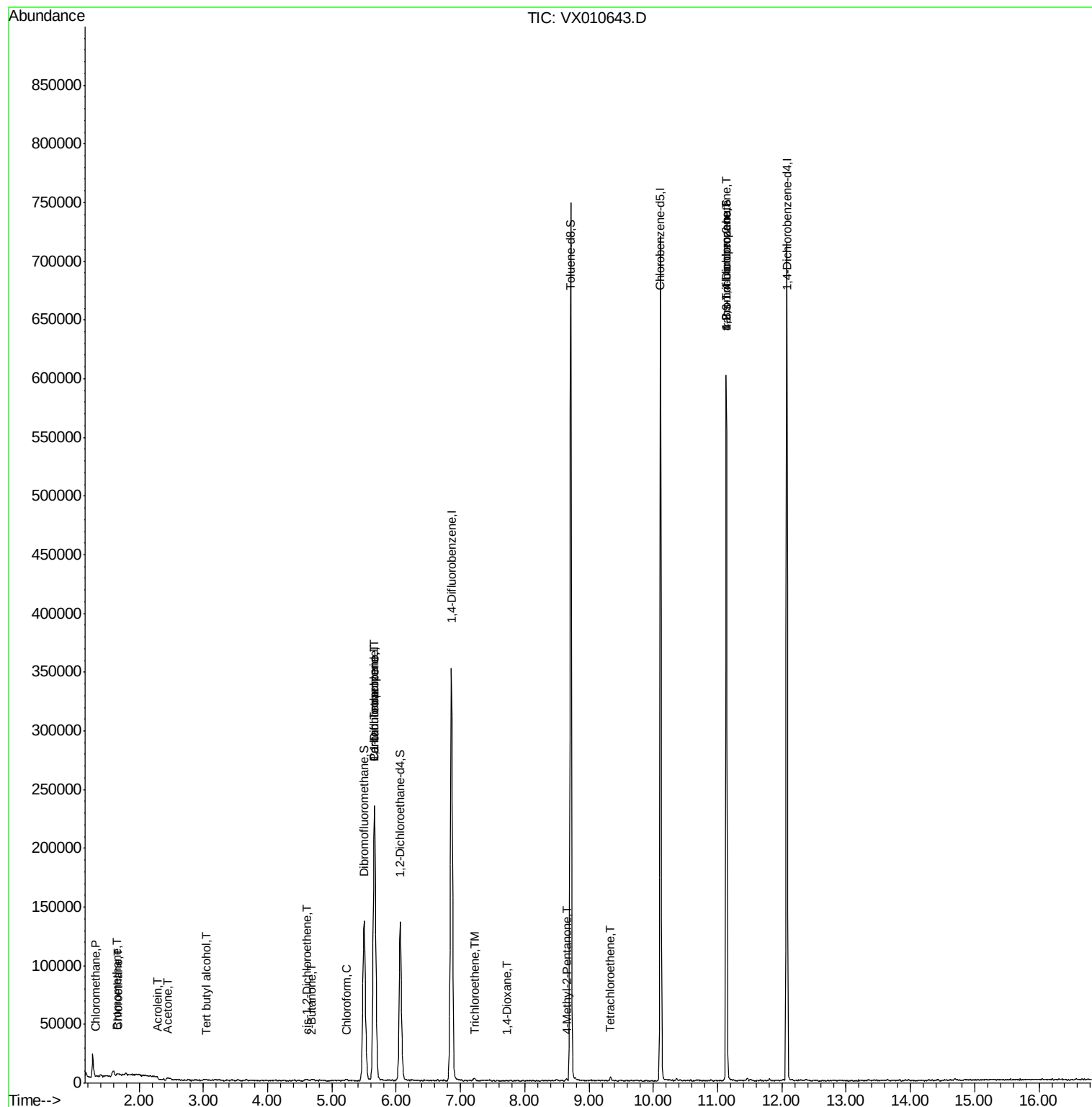
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	562	0.285	ug/l #	81
5) Bromomethane	1.66	94	706	0.671	ug/l #	45
6) Chloroethane	1.67	64	443	0.347	ug/l #	76
11) Tert butyl alcohol	3.05	59	144	0.241	ug/l #	74
13) Acrolein	2.28	56	97	0.245	ug/l	92
16) Acetone	2.45	43	2409	2.103	ug/l	94
25) 2-Butanone	4.69	43	353	0.210	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	597	0.227	ug/l	93
30) Chloroform	5.23	83	1314	0.337	ug/l #	64
36) 1,1-Dichloropropene	5.66	75	15871	5.328	ug/l #	48
38) Carbon Tetrachloride	5.66	117	21918	6.795	ug/l #	15
44) Trichloroethene	7.21	130	810	0.292	ug/l	82
49) 1,4-Dioxane	7.72	88	26	0.383	ug/l #	1
51) 4-Methyl-2-Pentanone	8.65	43	1409	0.435	ug/l	94
64) Tetrachloroethene	9.34	164	569	0.206	ug/l #	85
76) 1,2,3-Trichloropropane	11.13	75	73149	25.206	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	73149	58.803	ug/l #	16

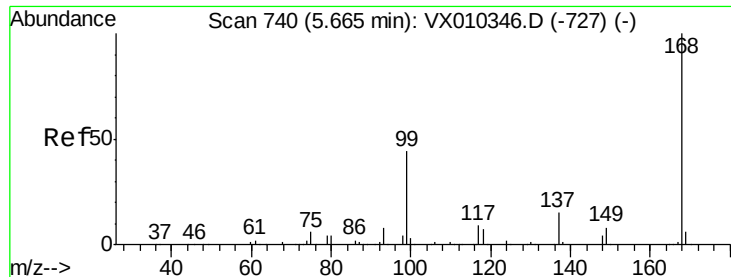
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010643.D

Acq: 03 Jul 2019 16:25

Instrument :

MSVOA_X

ClientSampled :

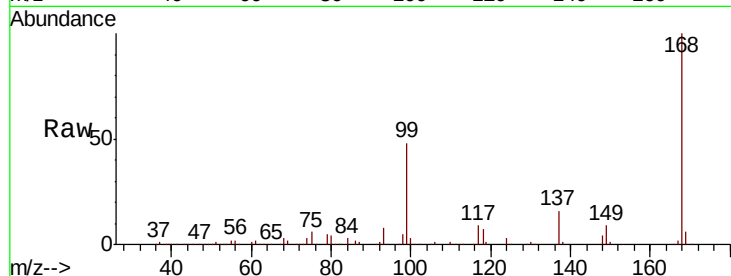
MW-B

Tot Ion:168 Resp: 243722

Ion Ratio Lower Upper

168 100

99 48.0 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

80000

60000

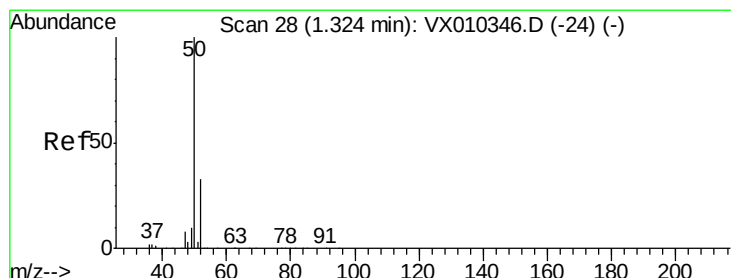
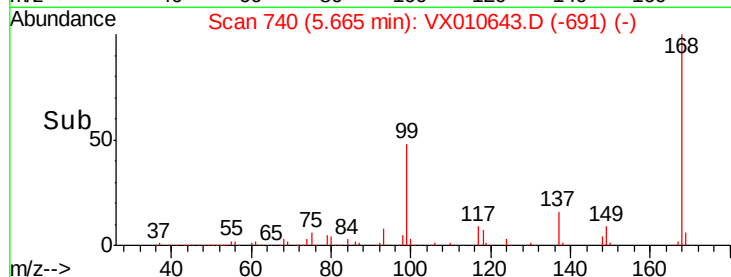
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#3

Chloromethane

Concen: 0.285 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010643.D

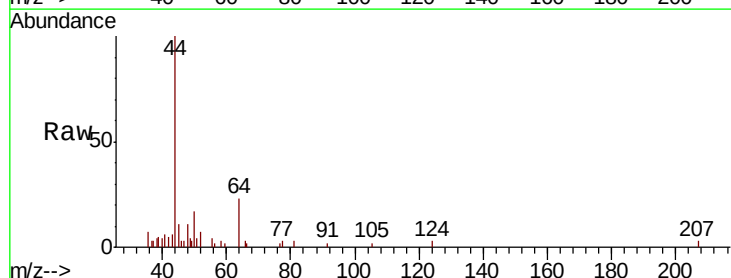
Acq: 03 Jul 2019 16:25

Tgt Ion: 50 Resp: 562

Ion Ratio Lower Upper

50 100

52 22.4 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

300

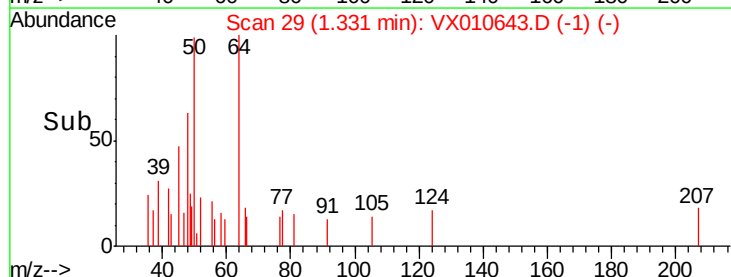
200

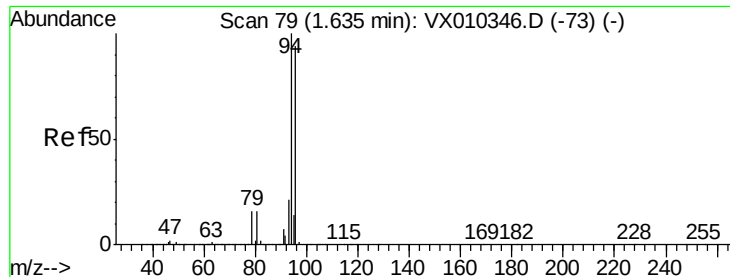
100

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: 0.671 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010643.D

Acq: 03 Jul 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

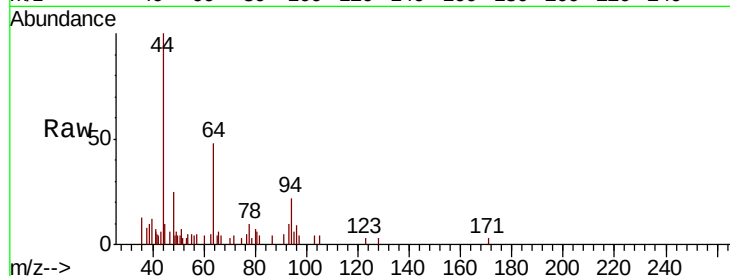
MW-B

Tot Ion: 94 Resp: 706

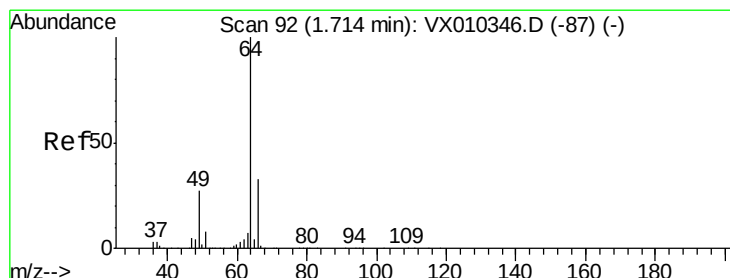
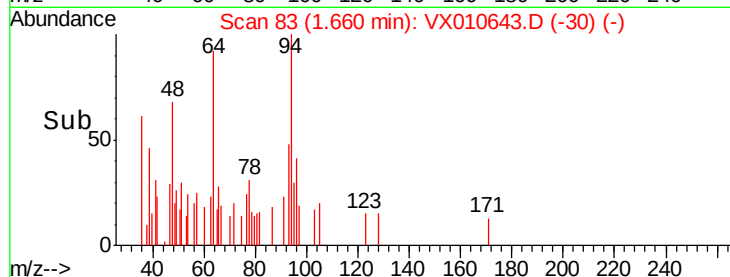
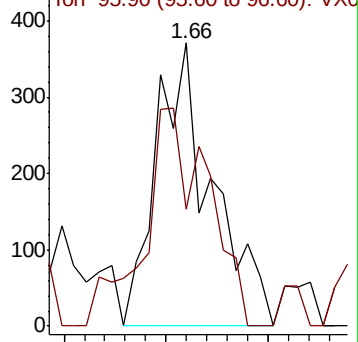
Ion Ratio Lower Upper

94 100

96 41.2 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: 0.347 ug/l

RT: 1.67 min Scan# 85

Delta R.T. -0.04 min

Lab File: VX010643.D

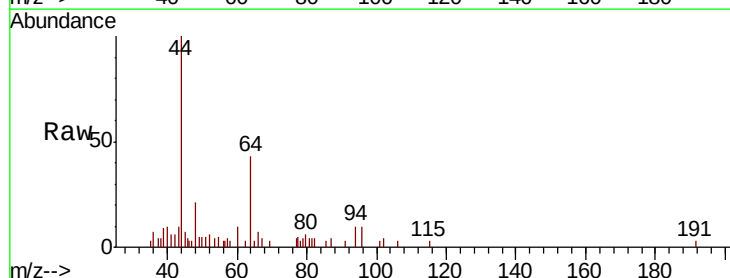
Acq: 03 Jul 2019 16:25

Tgt Ion: 64 Resp: 443

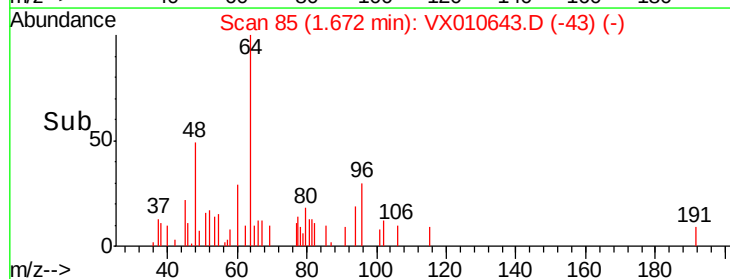
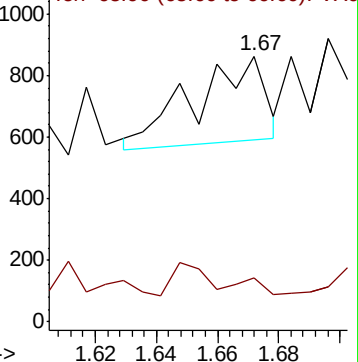
Ion Ratio Lower Upper

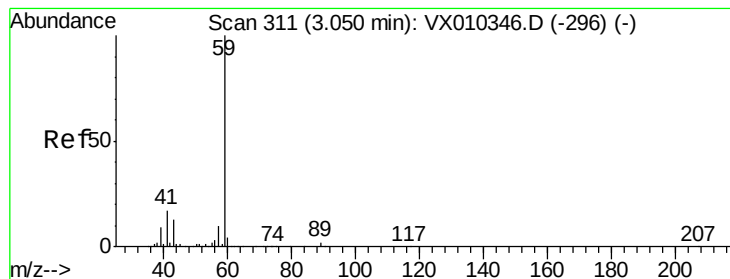
64 100

66 19.7 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0





#11

Tert butyl alcohol

Concen: 0.241 ug/l

RT: 3.05 min Scan# 311

Delta R.T. 0.00 min

Lab File: VX010643.D

Acq: 03 Jul 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

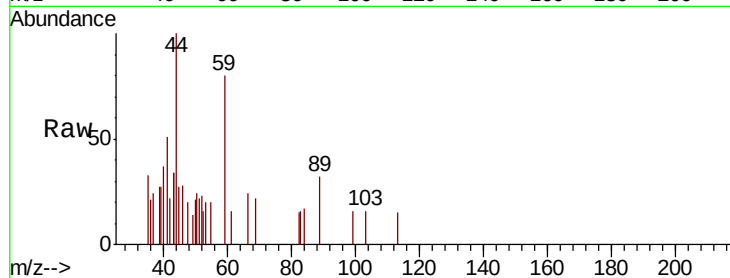
MW-B

Tot Ion: 59 Resp: 144

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



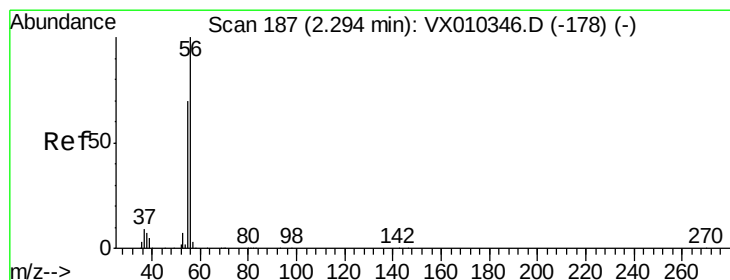
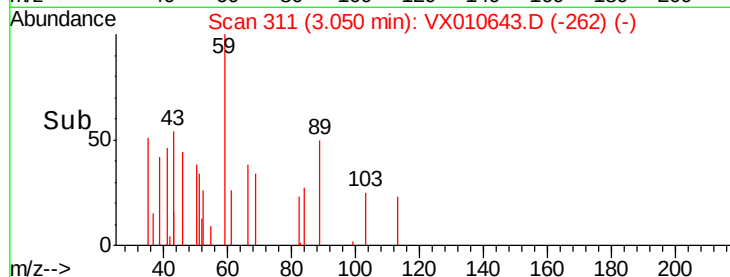
Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.05

3.04 3.05 3.06 3.07

Time-->



#13

Acrolein

Concen: 0.245 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX010643.D

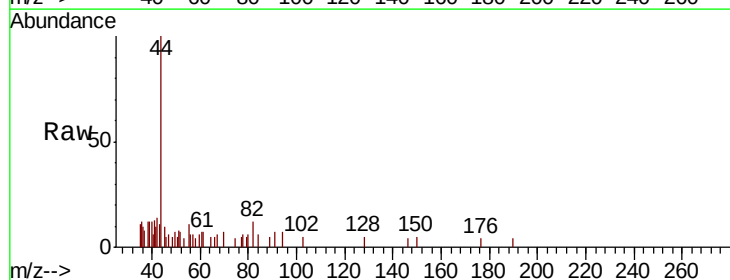
Acq: 03 Jul 2019 16:25

Tgt Ion: 56 Resp: 97

Ion Ratio Lower Upper

56 100

55 77.3 56.9 85.3



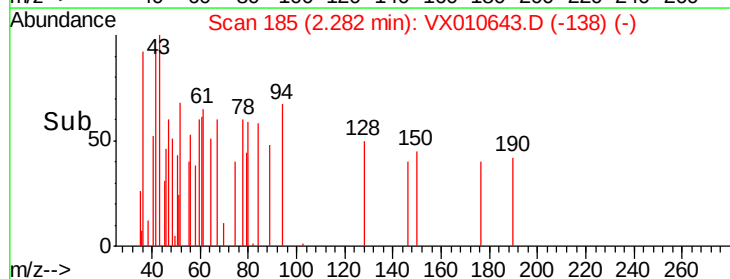
Abundance Ion 56.00 (55.70 to 56.70): VX0

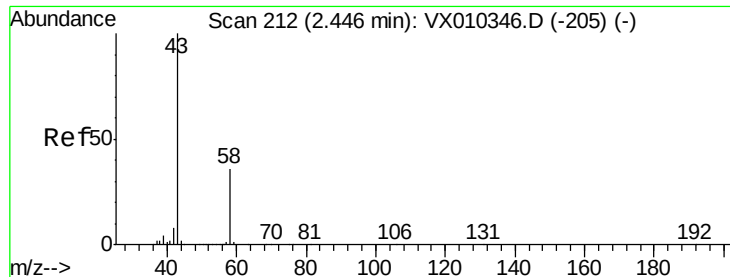
Ion 55.00 (54.70 to 55.70): VX0

2.28

2.26 2.27 2.28 2.29 2.30

Time-->





#16

Acetone

Concen: 2.103 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010643.D

Acq: 03 Jul 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

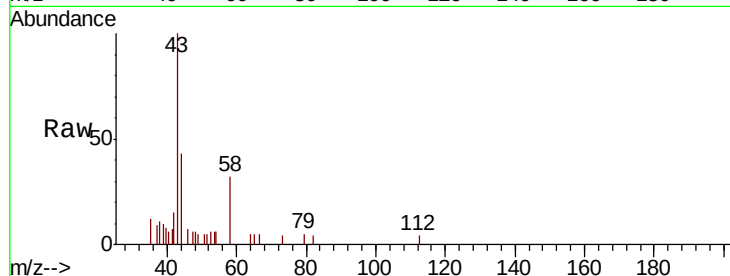
MW-B

Tot Ion: 43 Resp: 2409

Ion Ratio Lower Upper

43 100

58 32.5 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

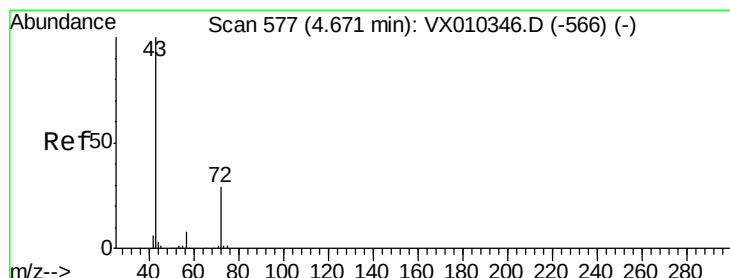
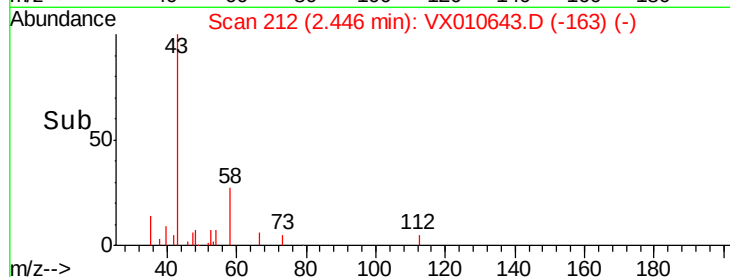
1000

500

0

Time-->

2.40 2.45 2.50



#25

2-Butanone

Concen: 0.210 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX010643.D

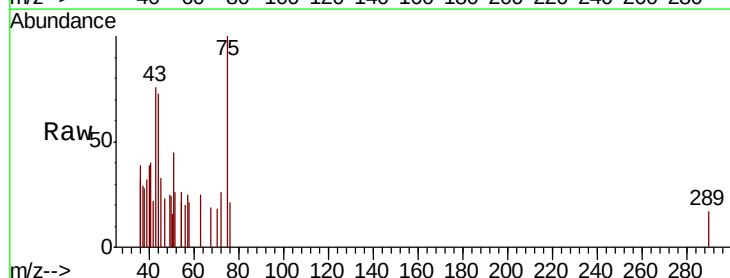
Acq: 03 Jul 2019 16:25

Tgt Ion: 43 Resp: 353

Ion Ratio Lower Upper

43 100

72 33.9 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

300

250

200

150

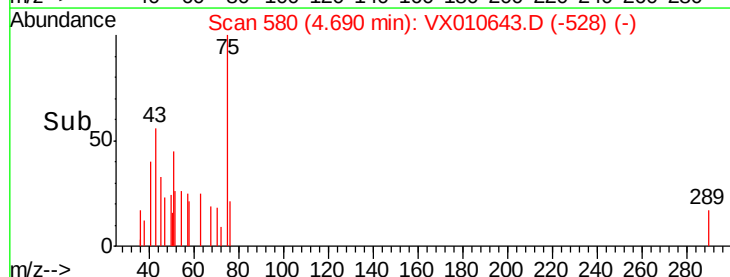
100

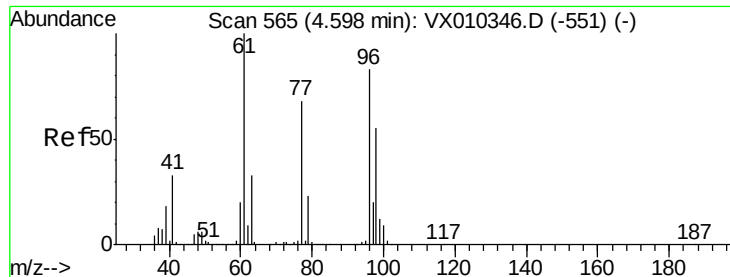
50

0

Time-->

4.66 4.68 4.70



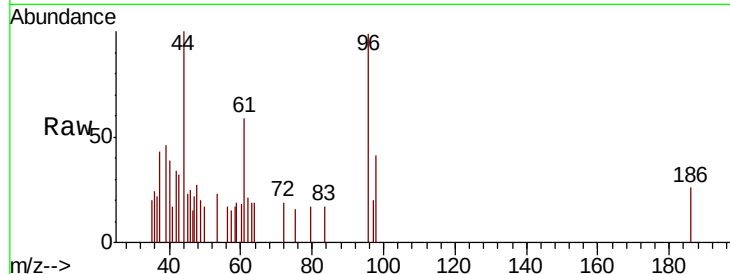


#27

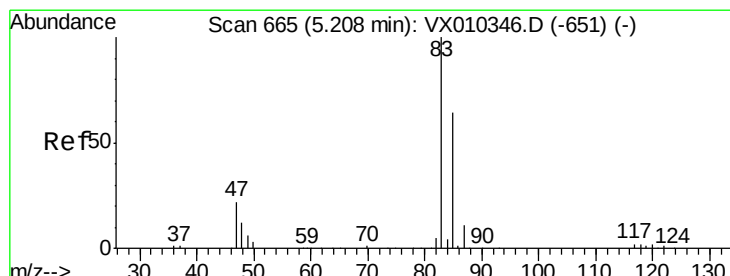
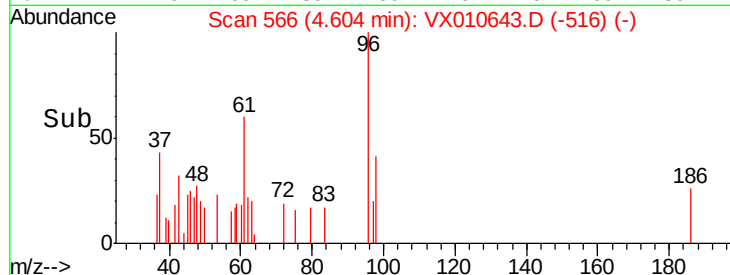
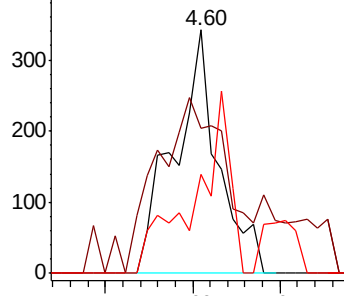
cis-1,2-Dichloroethene
 Concen: 0.227 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX010643.D
 Acq: 03 Jul 2019 16:25

Instrument :
 MSVOA_X
 ClientSampled :
 MW-B

Tot Ion: 96 Resp: 597
 Ion Ratio Lower Upper
 96 100
 61 116.4 0.0 251.8
 98 60.3 0.0 129.4



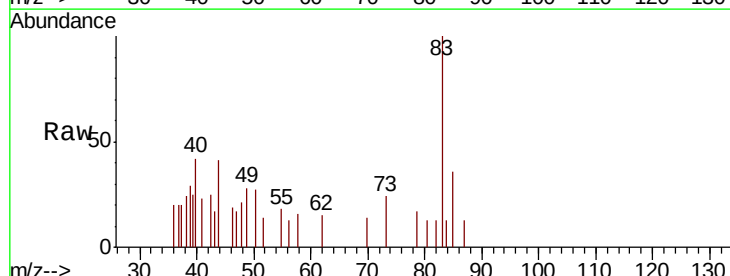
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



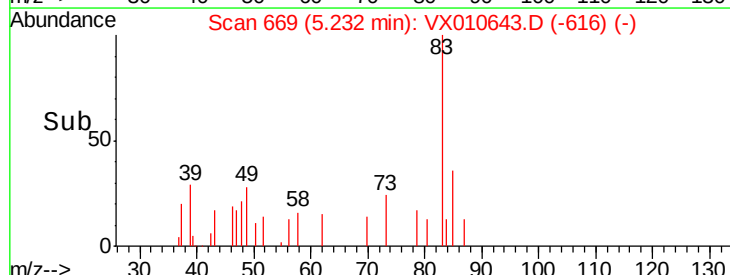
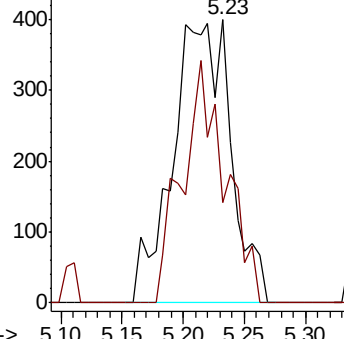
#30

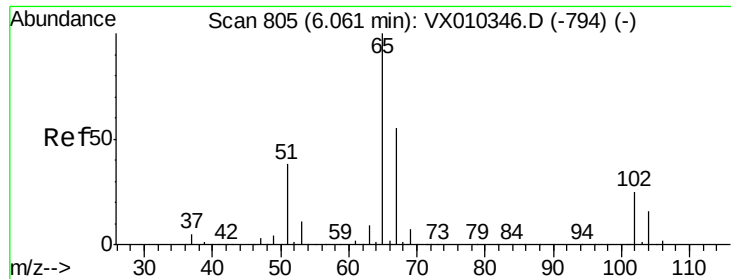
Chloroform
 Concen: 0.337 ug/l
 RT: 5.23 min Scan# 669
 Delta R.T. 0.02 min
 Lab File: VX010643.D
 Acq: 03 Jul 2019 16:25

Tgt Ion: 83 Resp: 1314
 Ion Ratio Lower Upper
 83 100
 85 35.6 50.9 76.3#



Abundance Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0

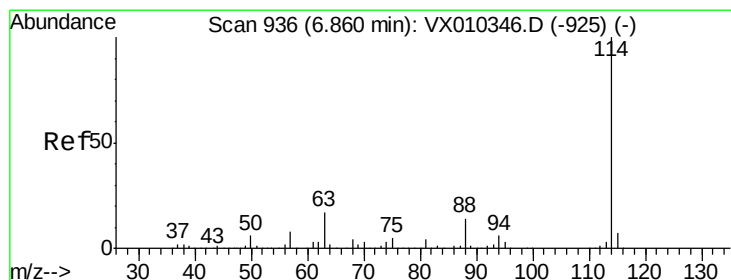
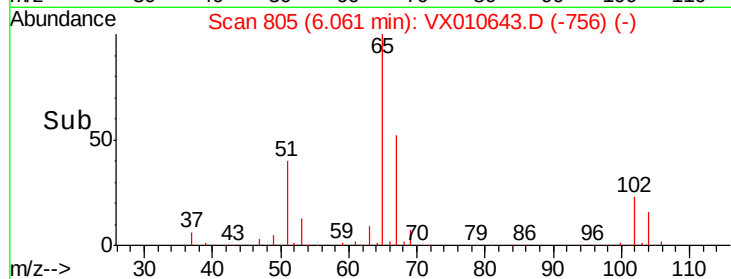
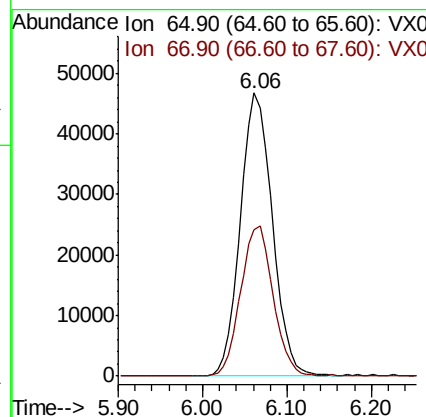
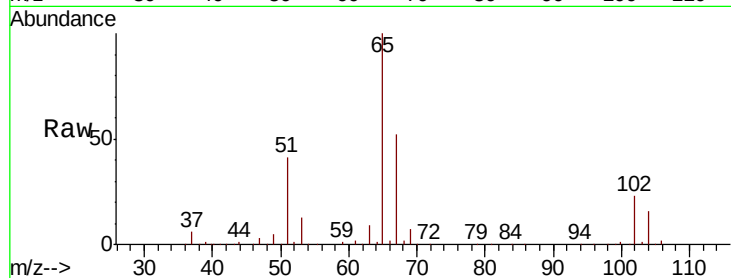




#33
 1,2-Dichloroethane-d4
 Concen: 52.560 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010643.D
 Acq: 03 Jul 2019 16:25

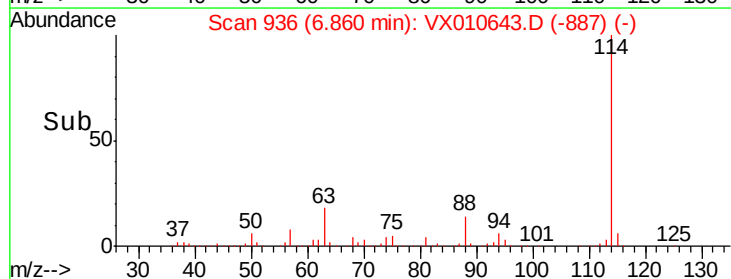
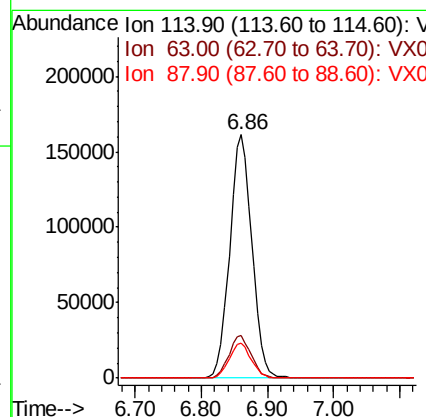
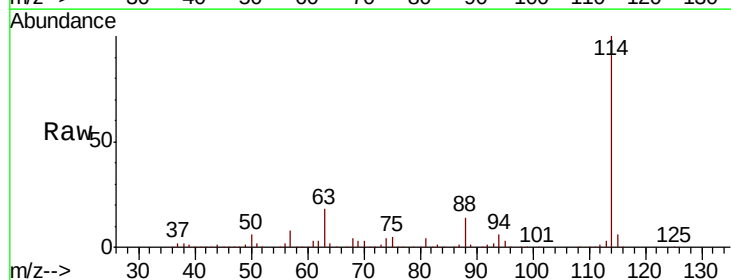
Instrument :
 MSVOA_X
 ClientSampled :
 MW-B

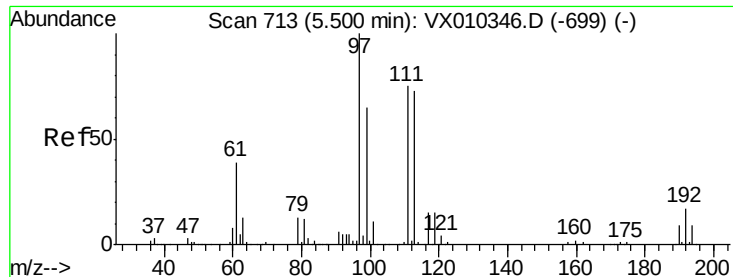
Tot Ion: 65 Resp: 120106
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010643.D
 Acq: 03 Jul 2019 16:25

Tgt Ion: 114 Resp: 374827
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 33.8
 88 14.3 0.0 27.6

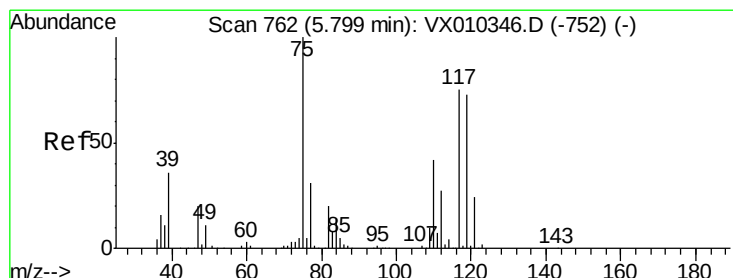
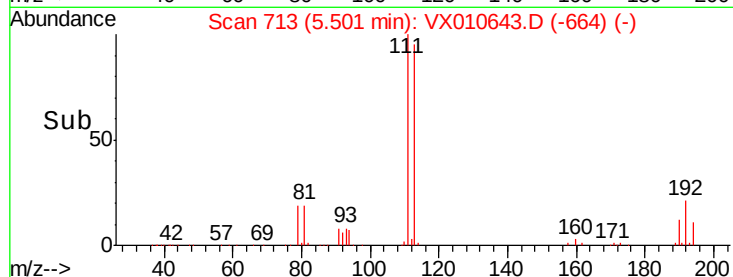
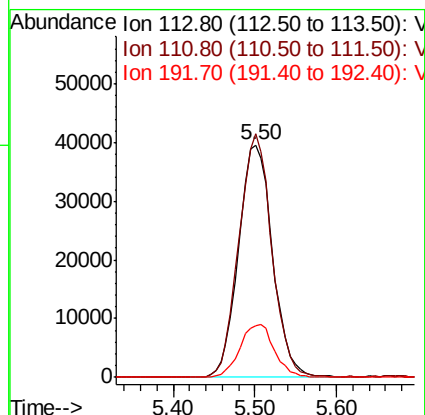
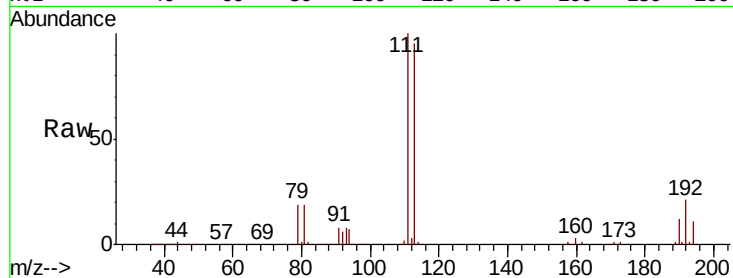




#35
 Dibromofluoromethane
 Concen: 49.927 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010643.D
 Acq: 03 Jul 2019 16:25

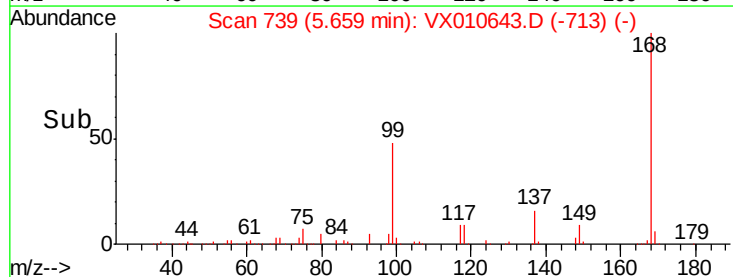
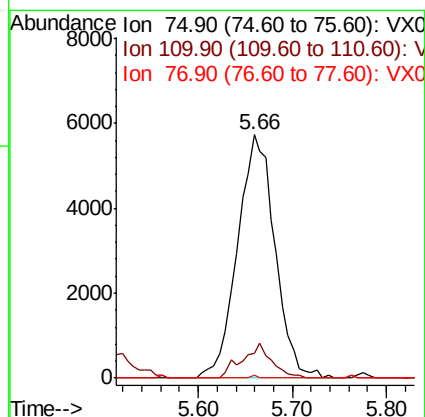
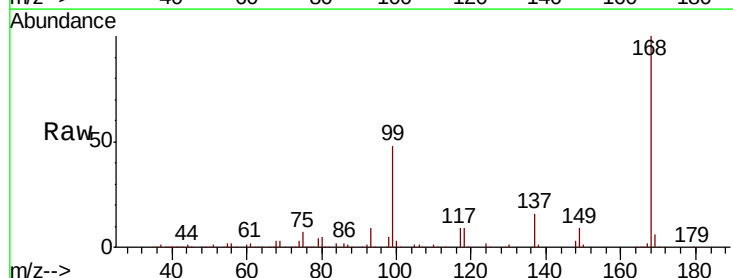
Instrument :
 MSVOA_X
 ClientSampled :
 MW-B

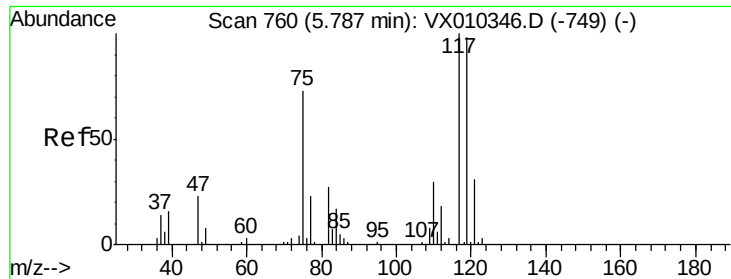
Tot Ion:113 Resp: 114500
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.2 121.8
 192 23.0 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 5.328 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010643.D
 Acq: 03 Jul 2019 16:25

Tgt Ion: 75 Resp: 15871
 Ion Ratio Lower Upper
 75 100
 110 11.3 20.8 62.2#
 77 0.2 25.4 38.0#

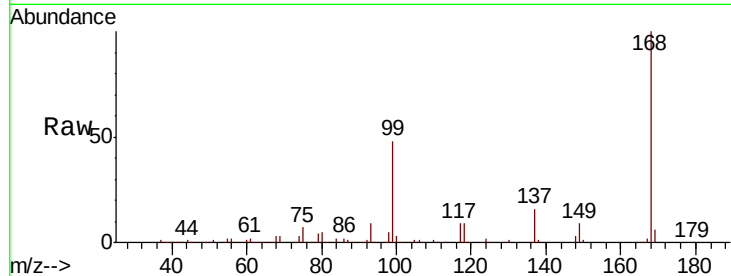




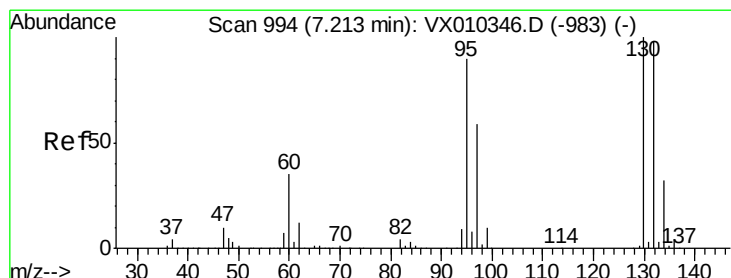
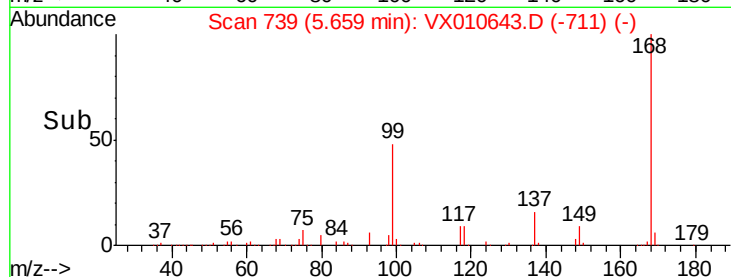
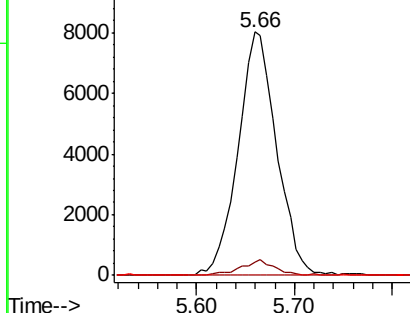
#38
Carbon Tetrachloride
Concen: 6.795 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX010643.D
Acq: 03 Jul 2019 16:25

Instrument :
MSVOA_X
ClientSampled :
MW-B

Tot Ion:117 Resp: 21918
Ion Ratio Lower Upper
117 100
119 5.2 78.2 117.4#
121 0.0 24.7 37.1#

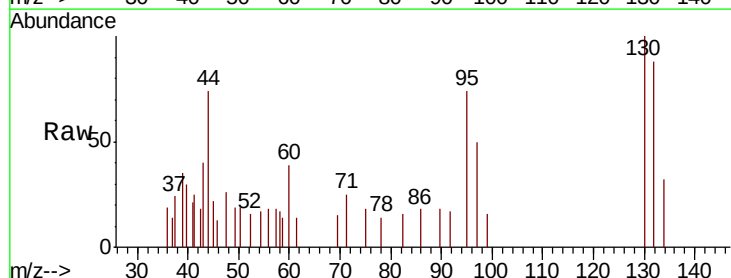


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

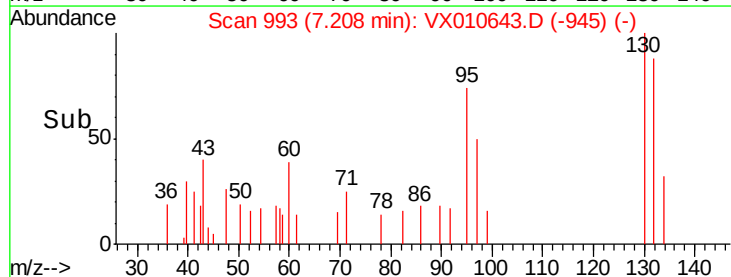
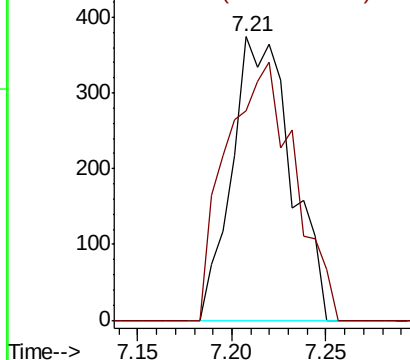


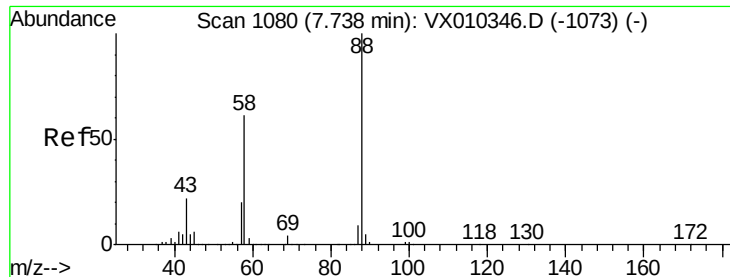
#44
Trichloroethene
Concen: 0.292 ug/l
RT: 7.21 min Scan# 993
Delta R.T. -0.01 min
Lab File: VX010643.D
Acq: 03 Jul 2019 16:25

Tgt Ion:130 Resp: 810
Ion Ratio Lower Upper
130 100
95 73.8 0.0 180.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

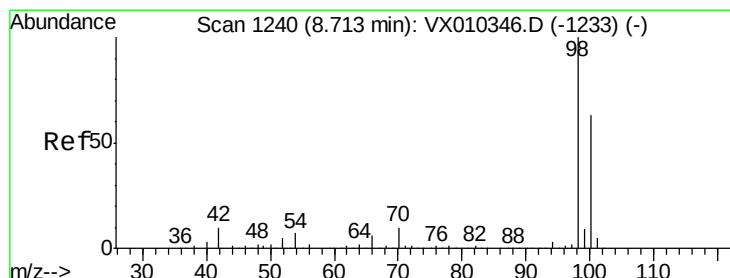
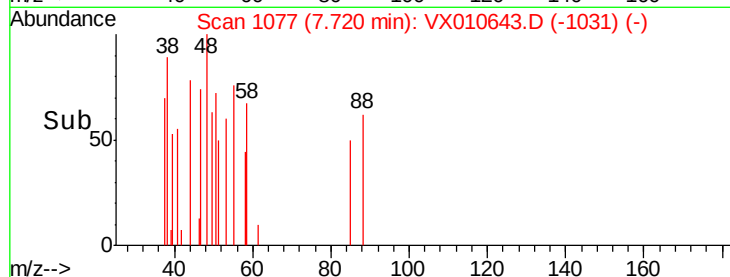
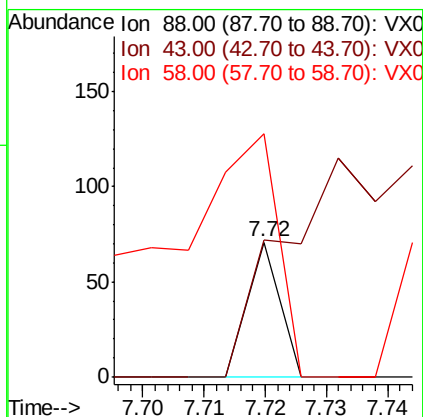
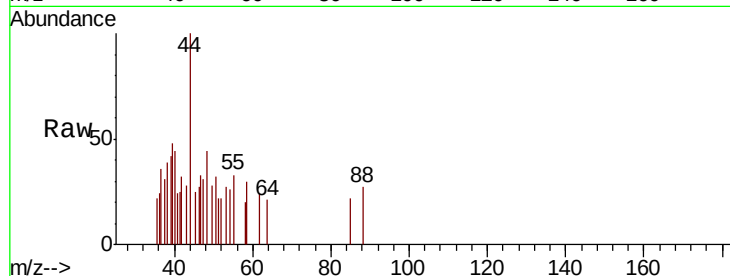




#49
1,4-Dioxane
Concen: 0.383 ug/l
RT: 7.72 min Scan# 1077
Delta R.T. -0.02 min
Lab File: VX010643.D
Acq: 03 Jul 2019 16:25

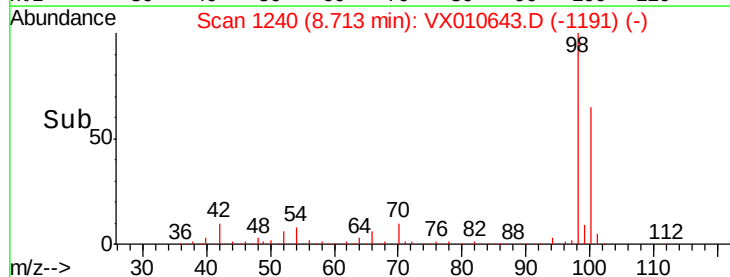
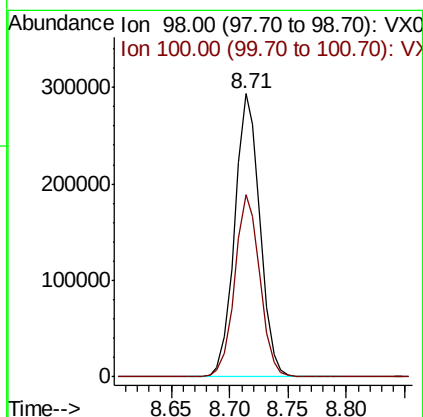
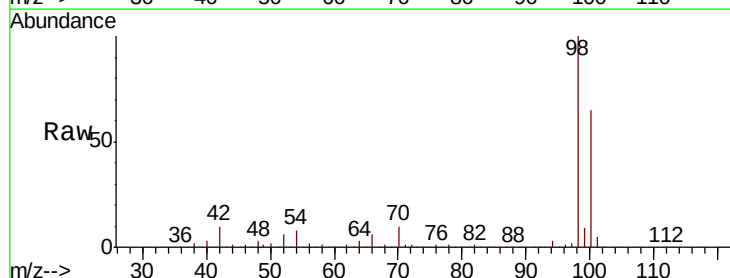
Instrument :
MSVOA_X
ClientSampled :
MW-B

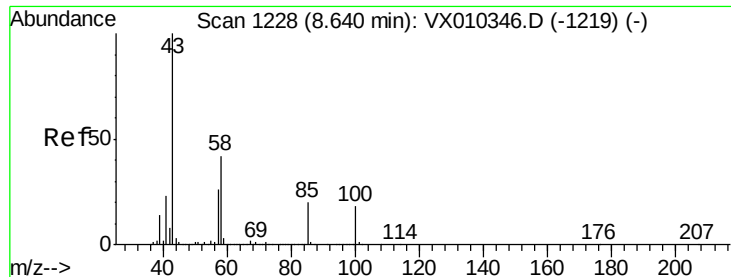
Tot Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 650.0 20.2 30.2#
58 611.5 49.5 74.3#



#50
Toluene-d8
Concen: 50.556 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010643.D
Acq: 03 Jul 2019 16:25

Tgt Ion: 98 Resp: 443570
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 0.435 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VX010643.D

Acq: 03 Jul 2019 16:25

Instrument :

MSVOA_X

ClientSampled :

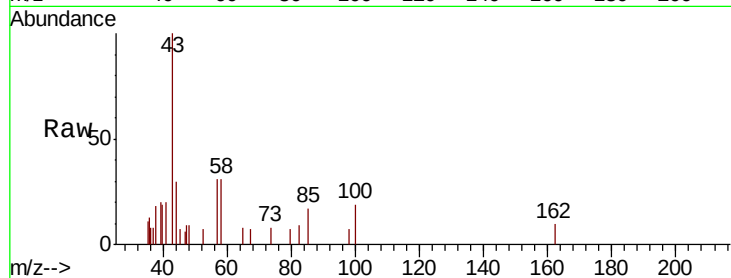
MW-B

Tot Ion: 43 Resp: 1409

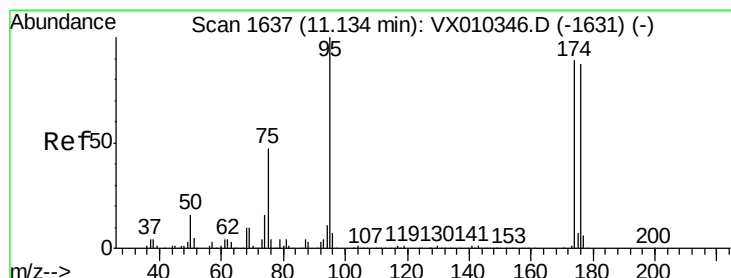
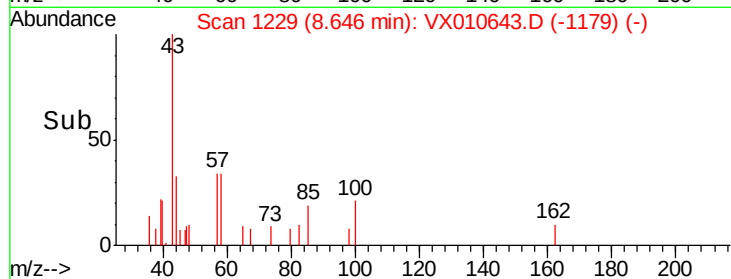
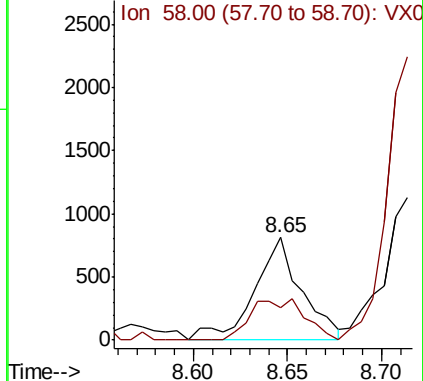
Ion Ratio Lower Upper

43 100

58 46.0 33.5 50.3



Abundance Ion 43.00 (42.70 to 43.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.062 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010643.D

Acq: 03 Jul 2019 16:25

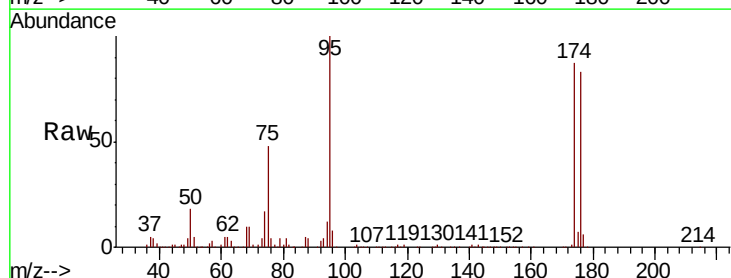
Tgt Ion: 95 Resp: 149074

Ion Ratio Lower Upper

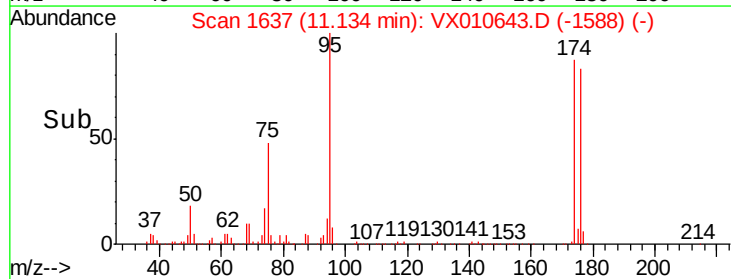
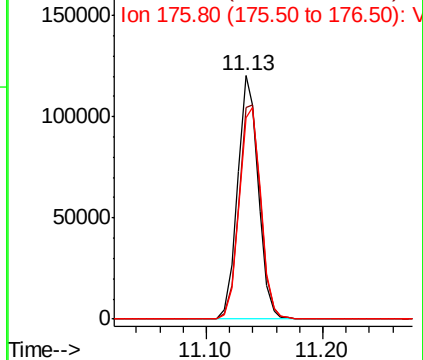
95 100

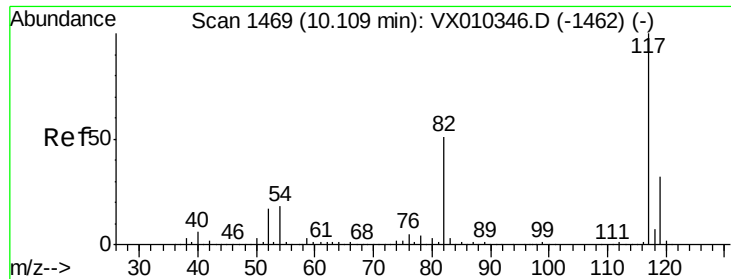
174 92.2 0.0 187.6

176 91.1 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

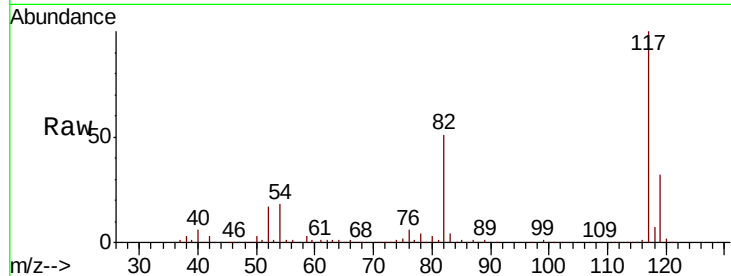




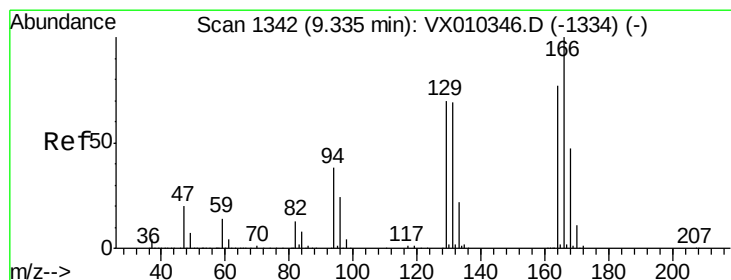
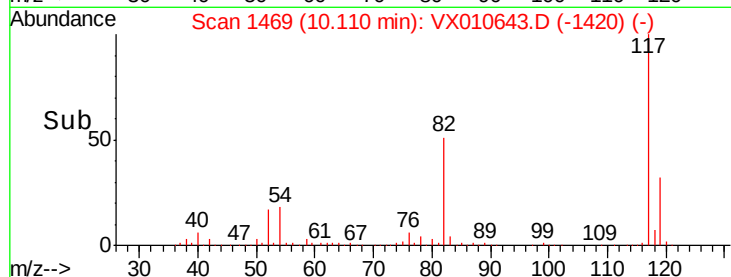
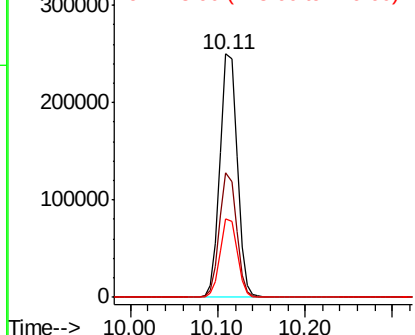
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010643.D
Acq: 03 Jul 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
MW-B

Tot Ion:117 Resp: 341478
Ion Ratio Lower Upper
117 100
82 51.3 41.2 61.8
119 32.3 25.5 38.3

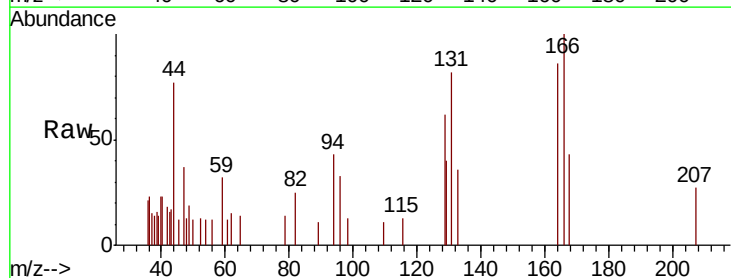


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

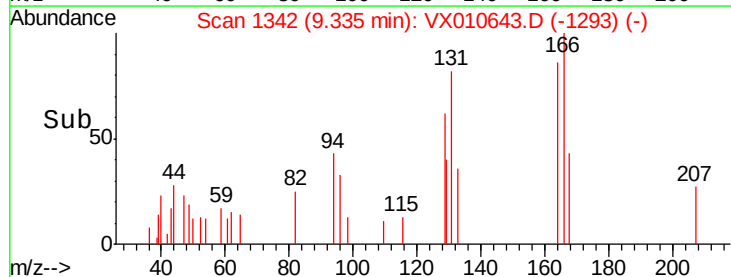
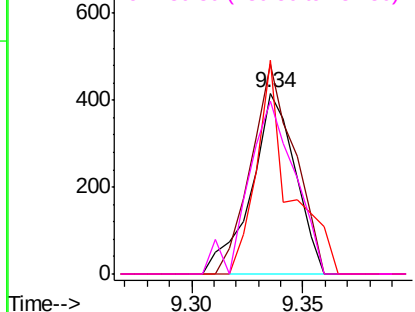


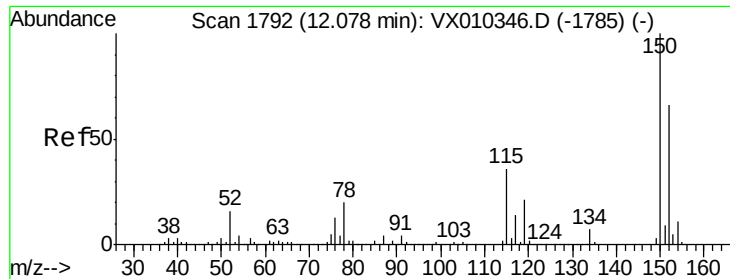
#64
Tetrachloroethene
Concen: 0.206 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010643.D
Acq: 03 Jul 2019 16:25

Tgt Ion:164 Resp: 569
Ion Ratio Lower Upper
164 100
166 116.1 103.6 155.4
129 118.3 73.0 109.4#
131 95.7 71.0 106.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VX010643.D

Acq: 03 Jul 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

MW-B

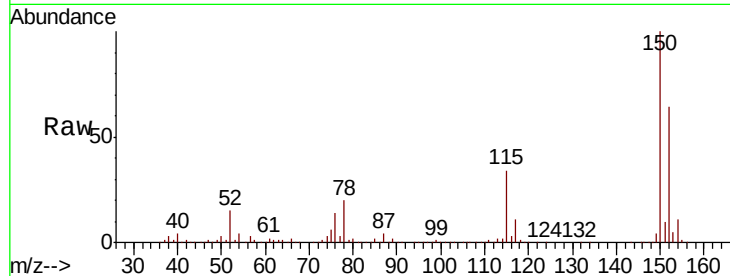
Tot Ion:152 Resp: 159255

Ion Ratio Lower Upper

152 100

115 53.9 38.6 115.7

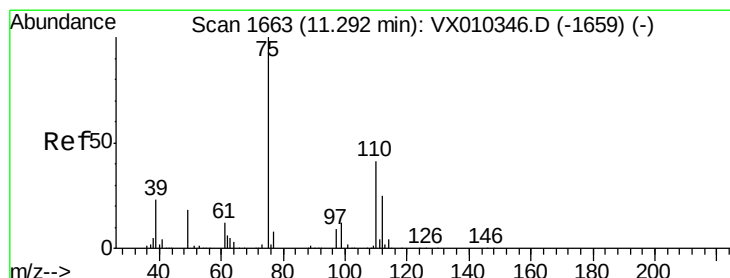
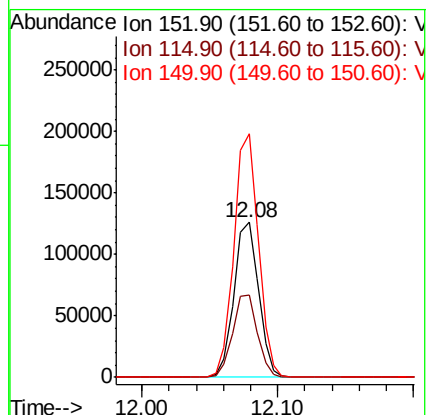
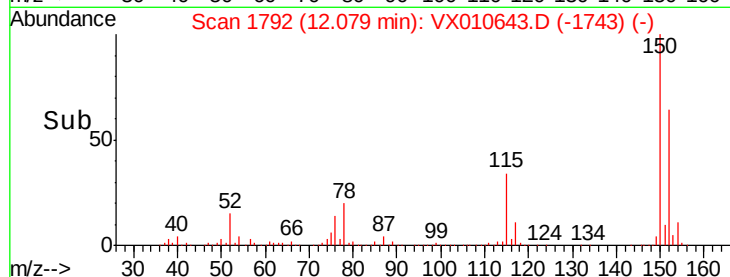
150 156.2 0.0 347.4



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: 25.206 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010643.D

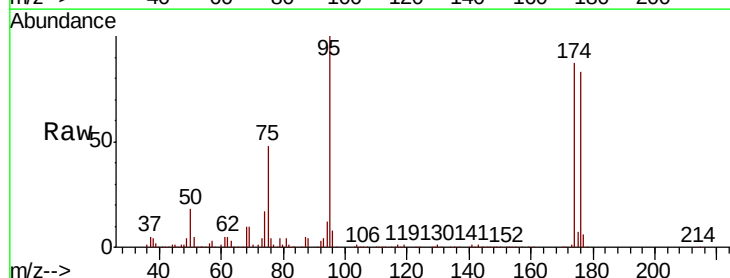
Acq: 03 Jul 2019 16:25

Tgt Ion: 75 Resp: 73149

Ion Ratio Lower Upper

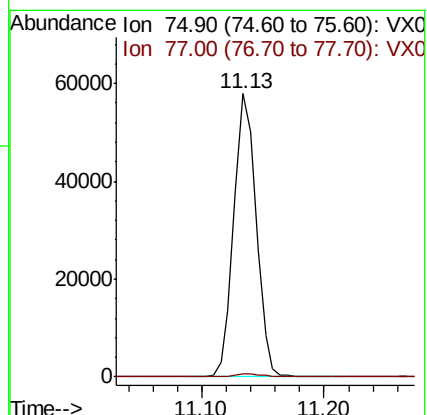
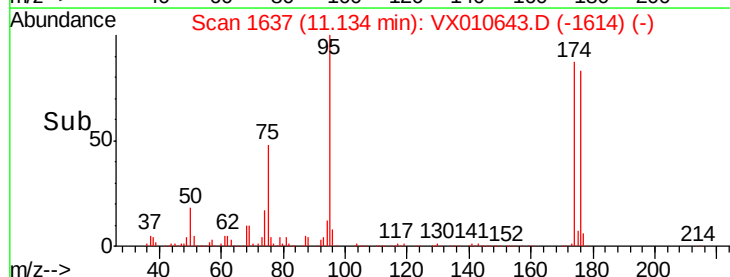
75 100

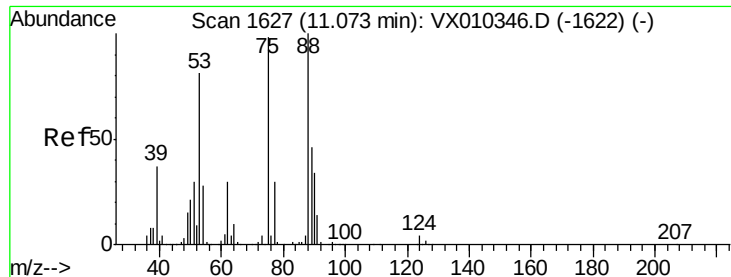
77 1.4 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 58.803 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010643.D

Acq: 03 Jul 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

MW-B

Tot Ion: 75 Resp: 73149

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.0 37.8 56.6#

