

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090718\
 Data File : VX004404.D
 Acq On : 07 Sep 2018 13:44
 Operator : JC/MD
 Sample : VX0907MBL01
 Misc : 5.00µl/100µl/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907MBL01

Quant Time: Sep 08 03:20:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	315038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	505982	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	463394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	262861	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	215455	52.47	ug/l	0.00
Spiked Amount						
			Recovery	=	104.94%	
35) Dibromofluoromethane	5.50	113	189084	50.23	ug/l	0.00
Spiked Amount						
			Recovery	=	100.46%	
50) Toluene-d8	8.71	98	705899	49.68	ug/l	0.00
Spiked Amount						
			Recovery	=	99.36%	
62) 4-Bromofluorobenzene	11.14	95	247350	46.66	ug/l	0.00
Spiked Amount						
			Recovery	=	93.32%	

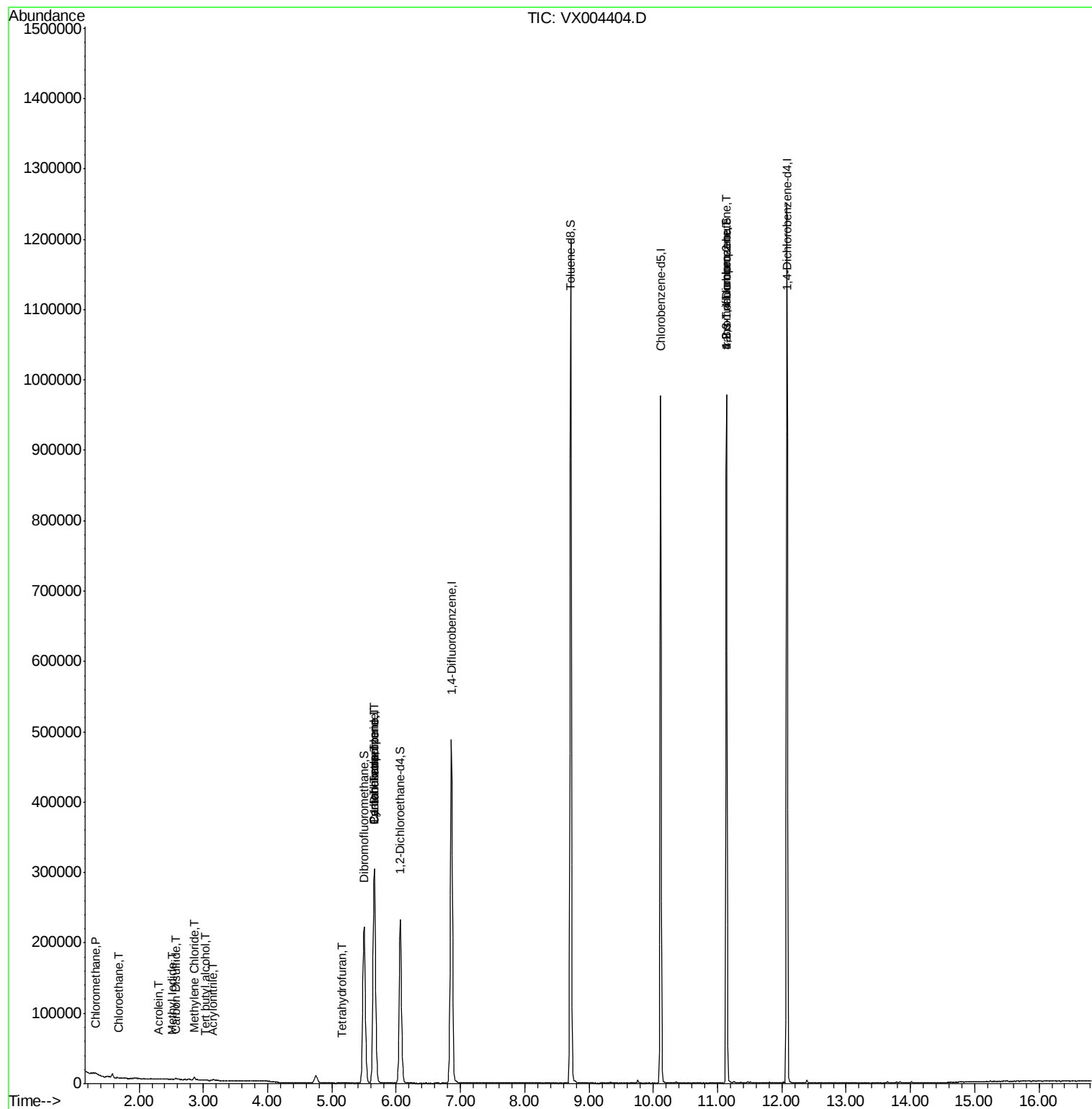
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	666	0.45	ug/l	# 77
5) Bromomethane	1.66	94	941	Below Cal		# 88
6) Chloroethane	1.68	64	253	1.05	ug/l	# 7
10) Methyl Iodide	2.51	142	504	4.38	ug/l	# 89
11) Tert butyl alcohol	3.04	59	378	0.43	ug/l	# 72
13) Acrolein	2.29	56	221	1.05	ug/l	# 83
15) Acrylonitrile	3.14	53	546	0.25	ug/l	# 47
16) Acetone	2.44	43	692	Below Cal		# 86
17) Carbon Disulfide	2.57	76	1820	0.99	ug/l	# 91
20) Methylene Chloride	2.86	84	1325	0.34	ug/l	# 94
25) 2-Butanone	4.71	43	418	Below Cal		# 47
29) Tetrahydrofuran	5.15	42	490	0.28	ug/l	# 62
31) Cyclohexane	5.66	56	5370	0.93	ug/l	# 1
36) 1,1-Dichloropropene	5.66	75	20441	3.59	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	26986	5.04	ug/l	# 16
76) 1,2,3-Trichloropropane	11.14	75	117244	21.93	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.14	75	117244	71.16	ug/l	# 10
94) Hexachlorobutadiene	13.78	225	256	Below Cal		# 74

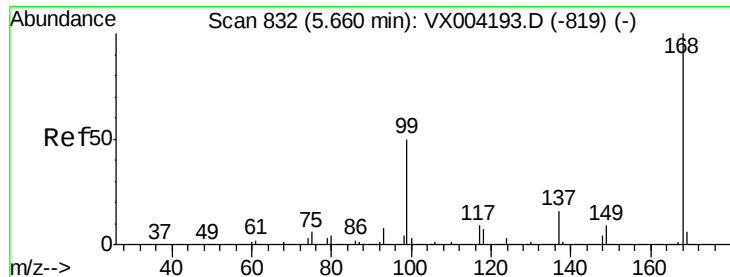
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090718\
Data File : VX004404.D
Acq On : 07 Sep 2018 13:44
Operator : JC/MD
Sample : VX0907MBL01
Misc : 5.0µl/10mL/100ul/5.00mL/MSVOA_X/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX0907MBL01

Quant Time: Sep 08 03:20:48 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX004404.D

Acq: 07 Sep 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

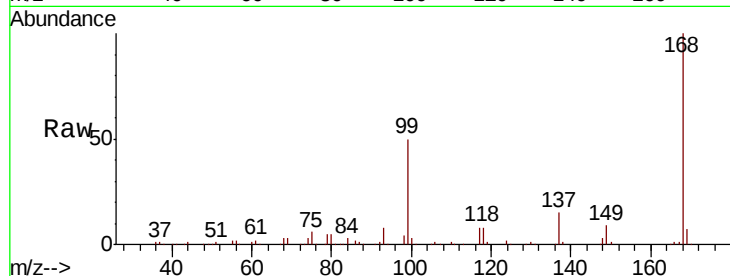
VX0907MBL01

Tot Ion:168 Resp: 315038

Ion Ratio Lower Upper

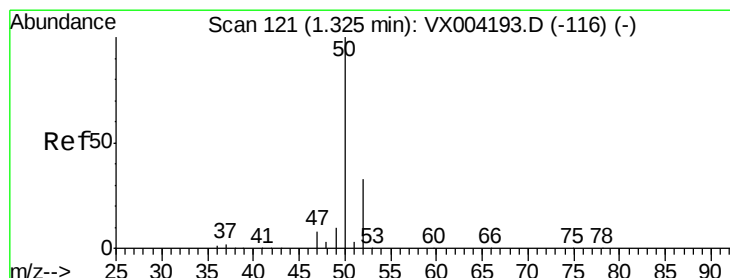
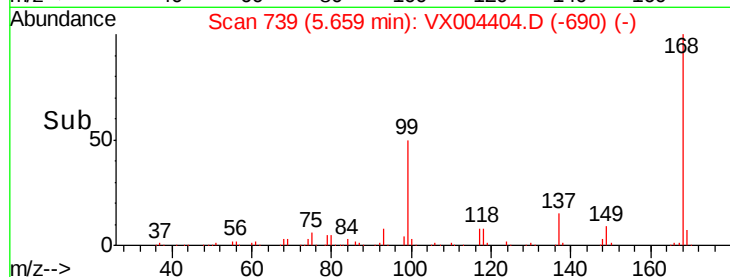
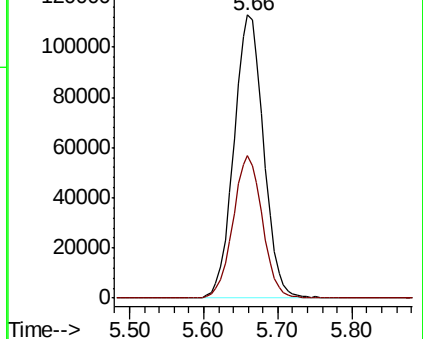
168 100

99 50.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.45 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004404.D

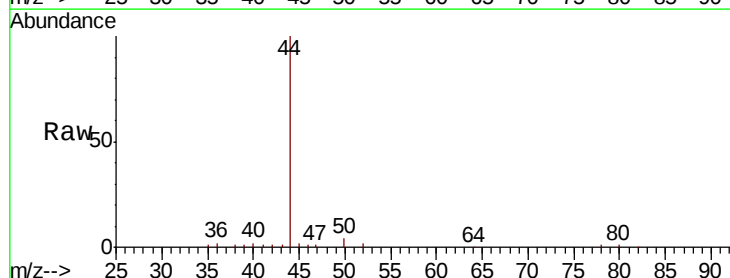
Acq: 07 Sep 2018 13:44

Tgt Ion: 50 Resp: 666

Ion Ratio Lower Upper

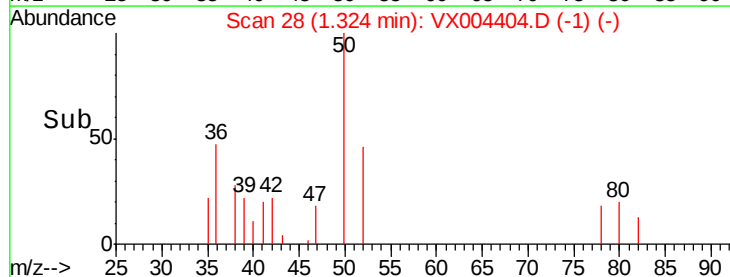
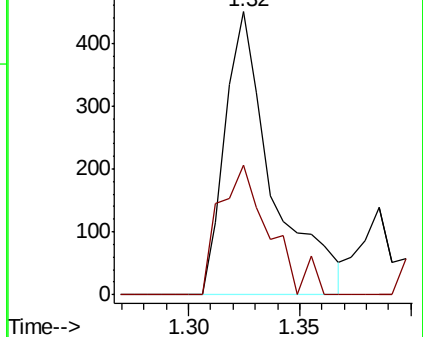
50 100

52 45.8 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX004404.D

Acq: 07 Sep 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

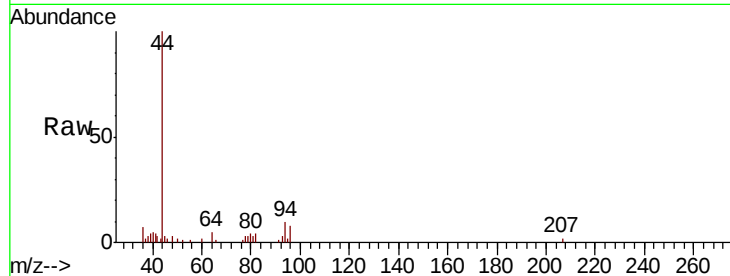
VX0907MBL01

Tot Ion: 94 Resp: 941

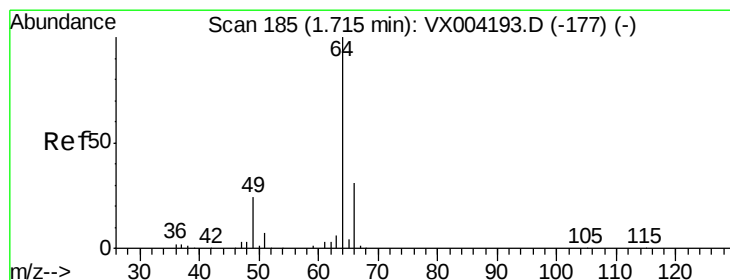
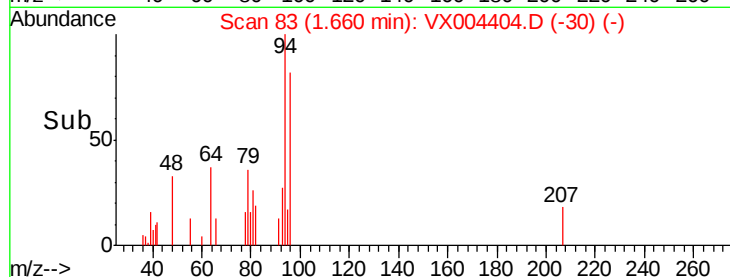
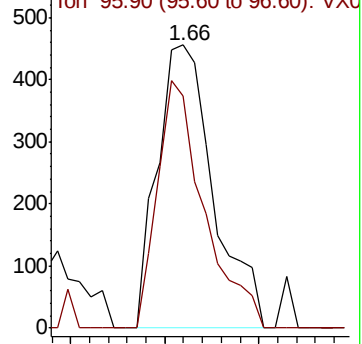
Ion Ratio Lower Upper

94 100

96 82.0 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: 1.05 ug/l

RT: 1.68 min Scan# 87

Delta R.T. -0.03 min

Lab File: VX004404.D

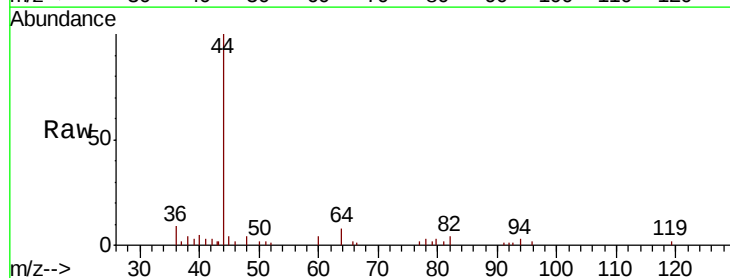
Acq: 07 Sep 2018 13:44

Tgt Ion: 64 Resp: 253

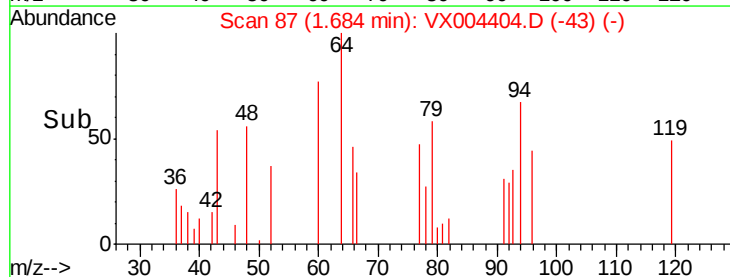
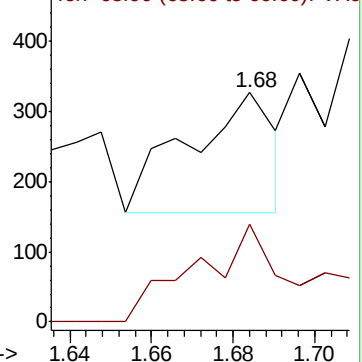
Ion Ratio Lower Upper

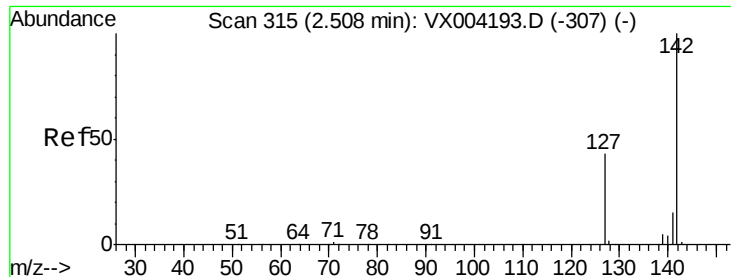
64 100

66 81.9 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

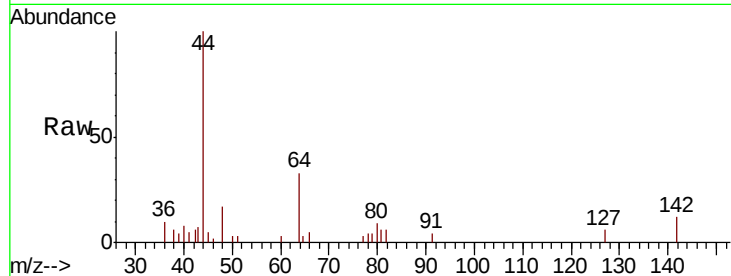




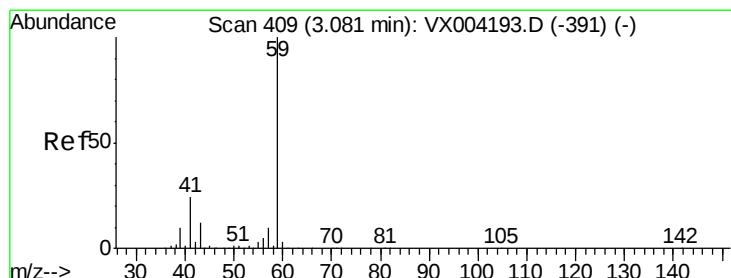
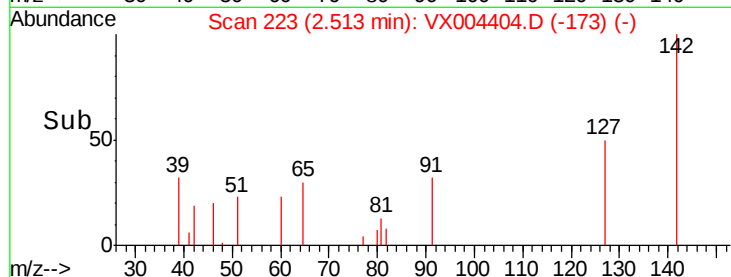
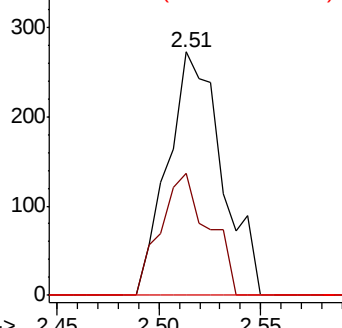
#10
Methyl Iodide
Concen: 4.38 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX004404.D
Acq: 07 Sep 2018 13:44

Instrument :
MSVOA_X
ClientSampled :
VX0907MBL01

Tot Ion:142 Resp: 504
Ion Ratio Lower Upper
142 100
127 44.2 33.8 50.6
141 0.0 11.4 17.0#

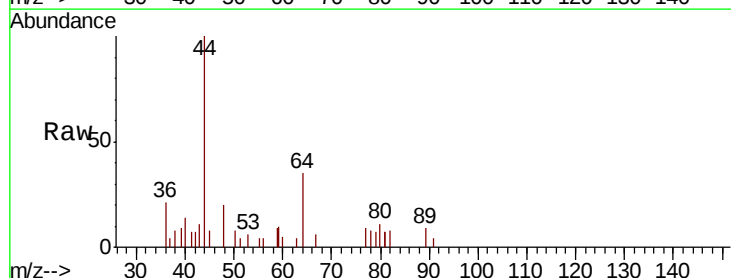


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

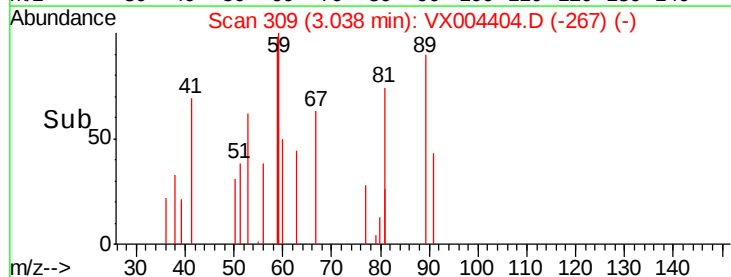
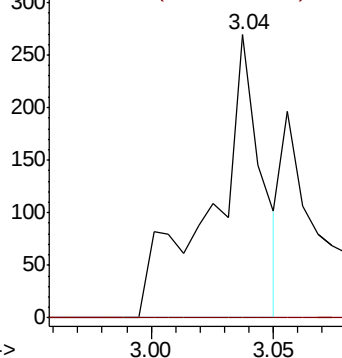


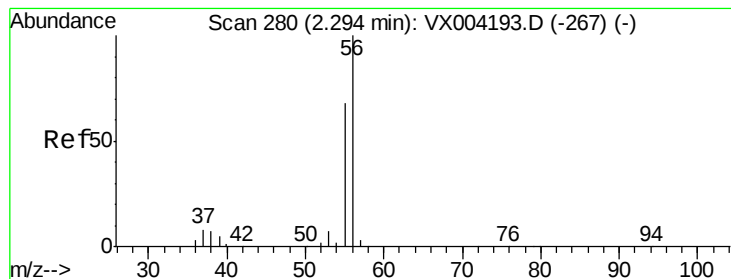
#11
Tert butyl alcohol
Concen: 0.43 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.04 min
Lab File: VX004404.D
Acq: 07 Sep 2018 13:44

Tgt Ion: 59 Resp: 378
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.05 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX004404.D

Acq: 07 Sep 2018 13:44

Instrument :

MSVOA_X

ClientSampled :

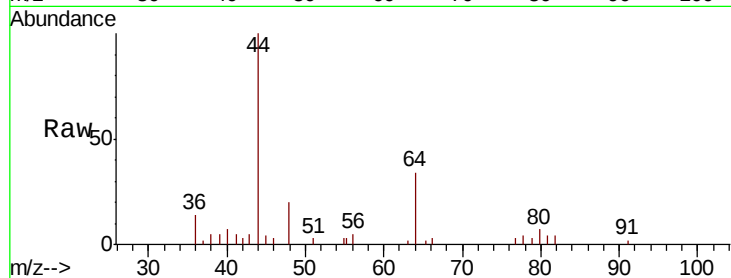
VX0907MBL01

Tot Ion: 56 Resp: 221

Ion Ratio Lower Upper

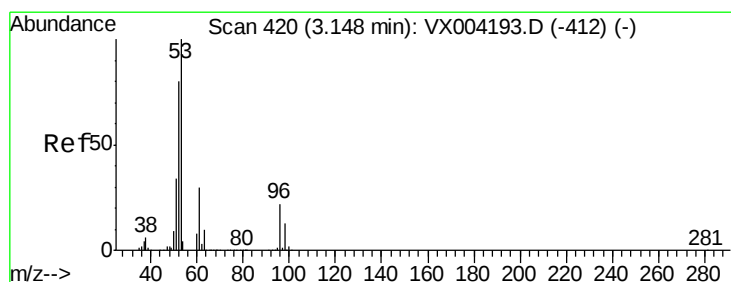
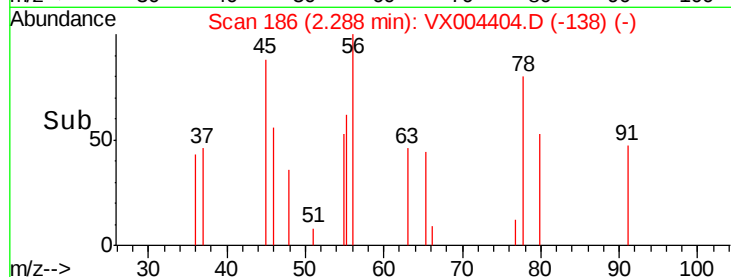
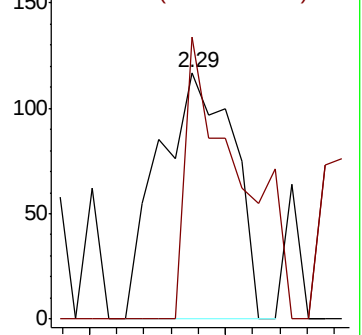
56 100

55 81.9 54.7 82.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.25 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX004404.D

Acq: 07 Sep 2018 13:44

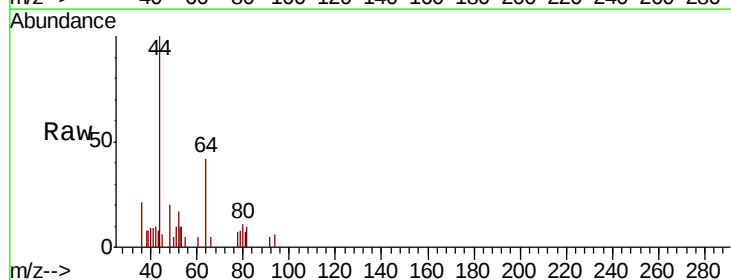
Tgt Ion: 53 Resp: 546

Ion Ratio Lower Upper

53 100

52 115.8 65.2 97.8#

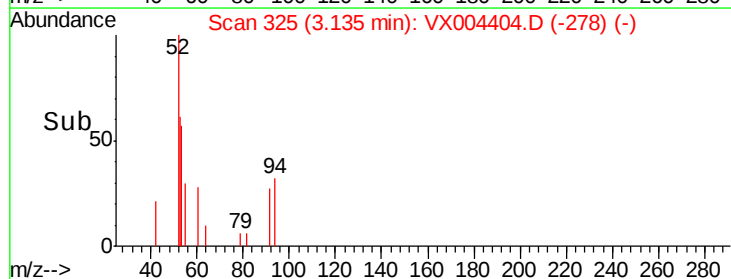
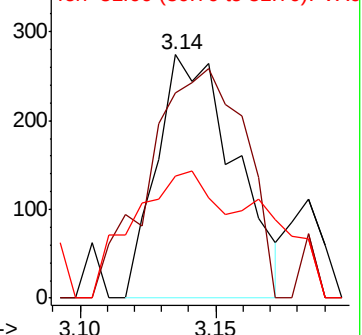
51 86.1 28.2 42.2#

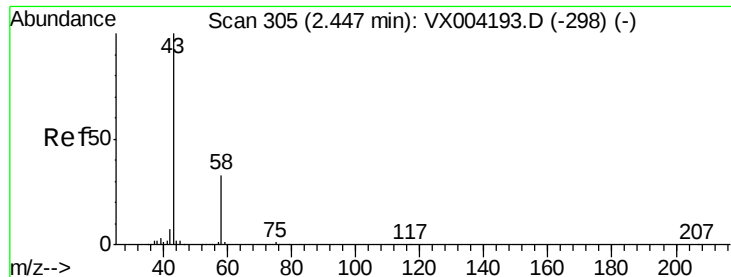


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004404.D

Acq: 07 Sep 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

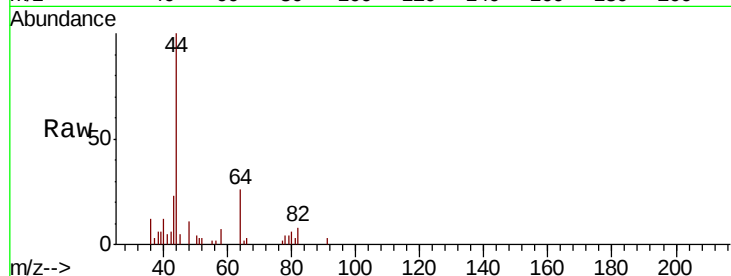
VX0907MBL01

Tot Ion: 43 Resp: 692

Ion Ratio Lower Upper

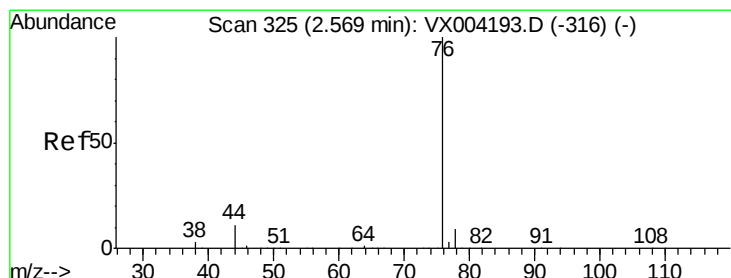
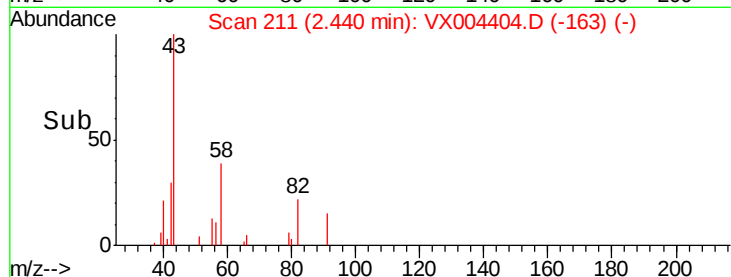
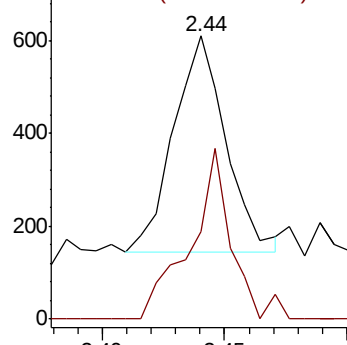
43 100

58 40.6 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.99 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX004404.D

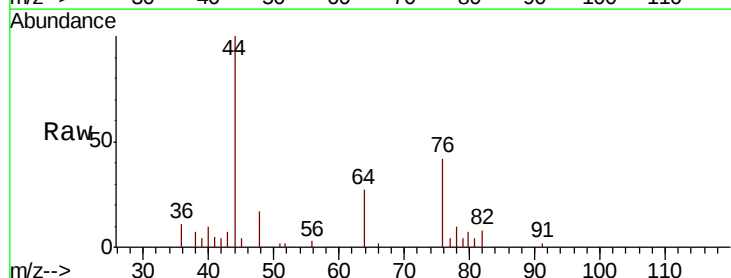
Acq: 07 Sep 2018 13:44

Tgt Ion: 76 Resp: 1820

Ion Ratio Lower Upper

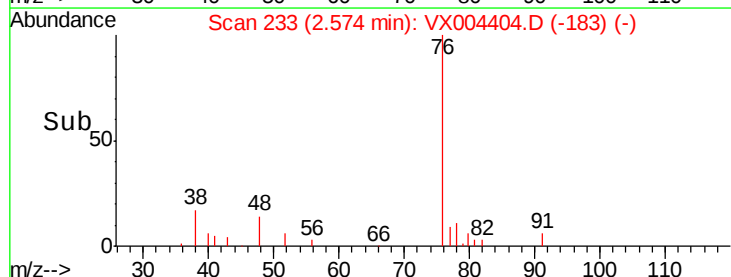
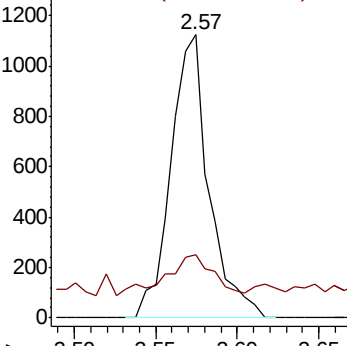
76 100

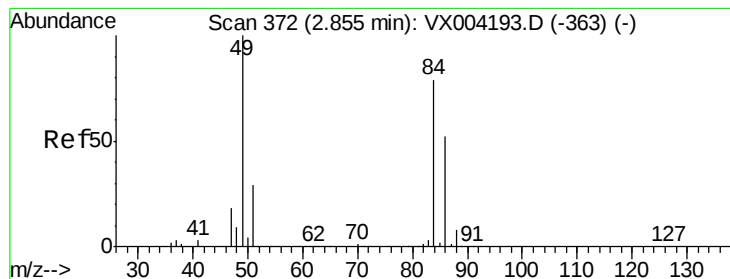
78 12.2 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#20

Methylene Chloride

Concen: 0.34 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004404.D

Acq: 07 Sep 2018 13:44

Instrument :

MSVOA_X

ClientSampled :

VX0907MBL01

Tot Ion: 84 Resp: 1325

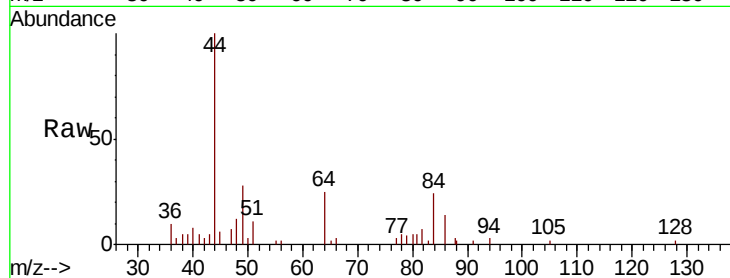
Ion Ratio Lower Upper

84 100

49 118.7 101.2 151.8

51 35.6 29.5 44.3

86 59.6 52.3 78.5

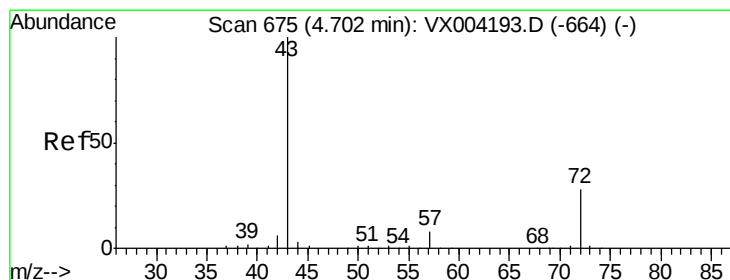
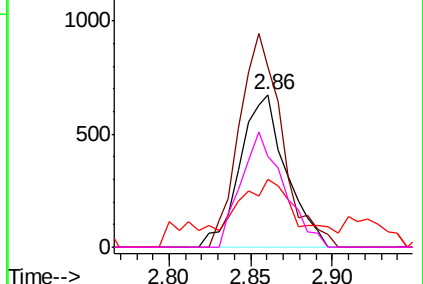
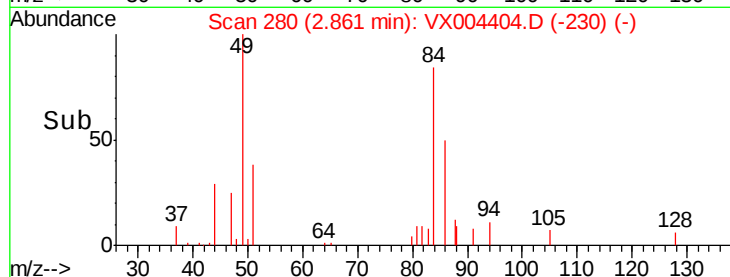


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: Below Cal

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX004404.D

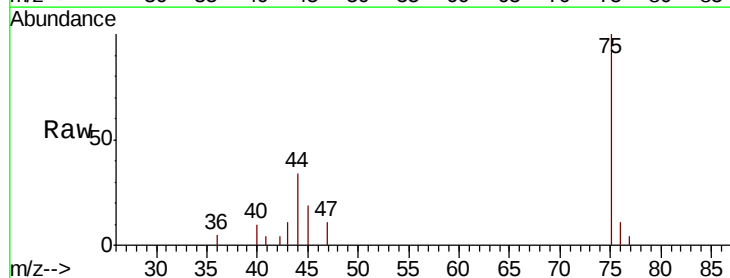
Acq: 07 Sep 2018 13:44

Tgt Ion: 43 Resp: 418

Ion Ratio Lower Upper

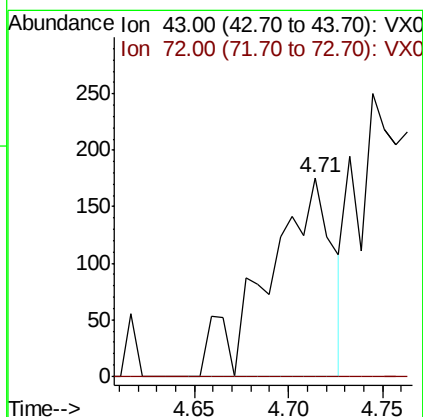
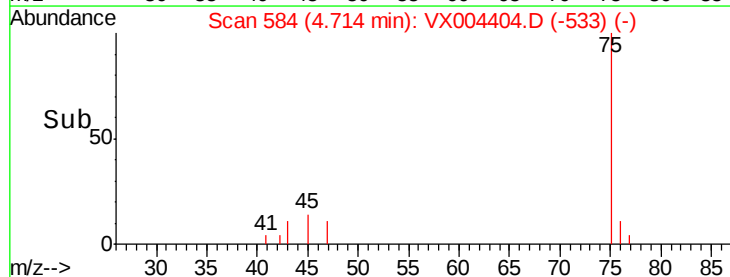
43 100

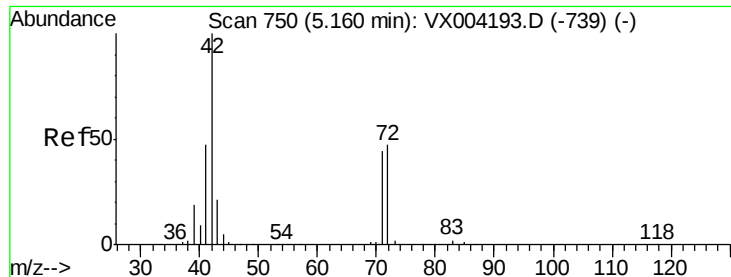
72 0.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.28 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX004404.D

Acq: 07 Sep 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

VX0907MBL01

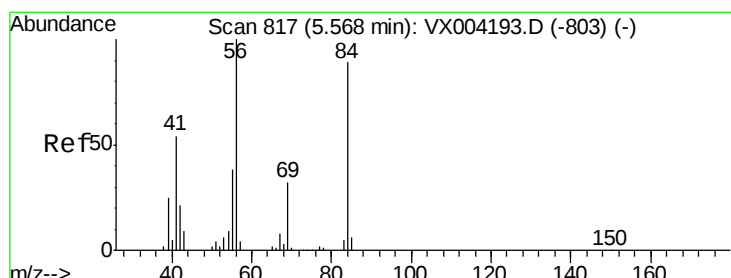
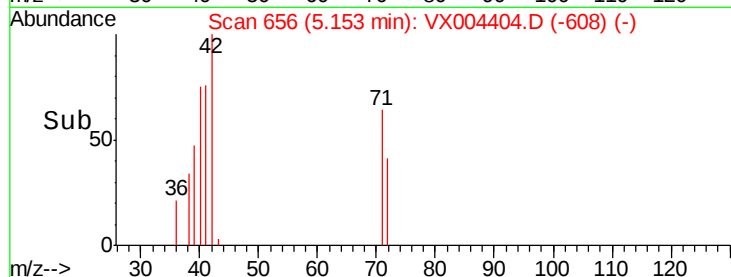
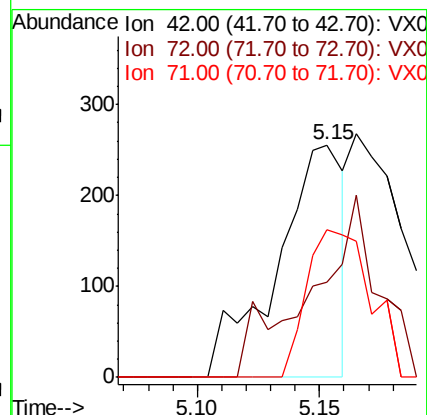
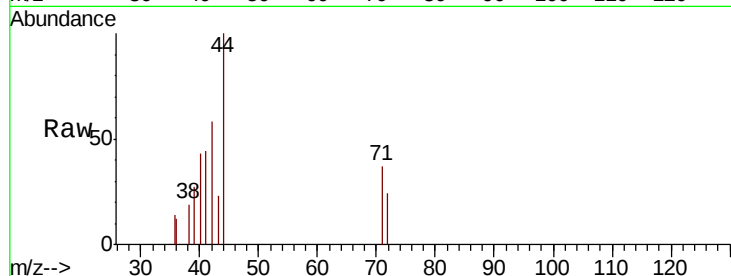
Tot Ion: 42 Resp: 490

Ion Ratio Lower Upper

42 100

72 78.4 37.4 56.0#

71 60.4 34.5 51.7#



#31

Cyclohexane

Concen: 0.93 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX004404.D

Acq: 07 Sep 2018 13:44

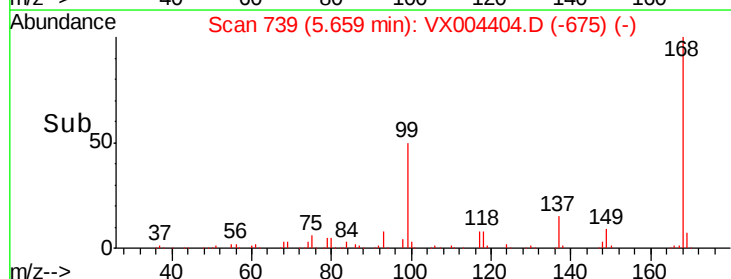
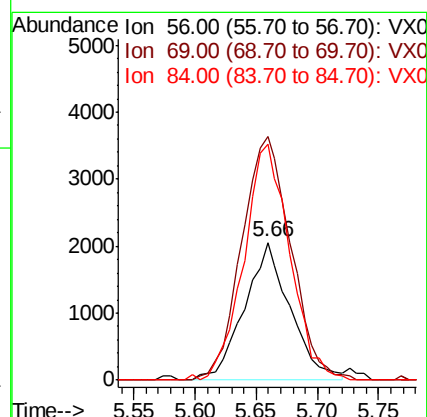
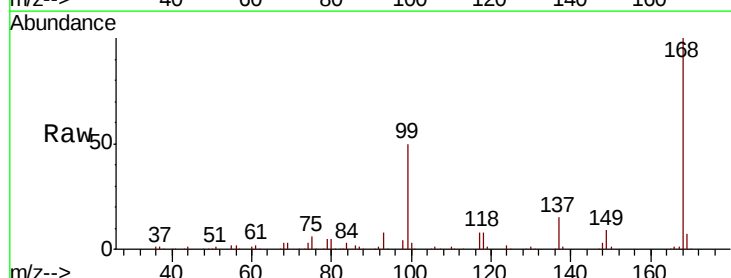
Tgt Ion: 56 Resp: 5370

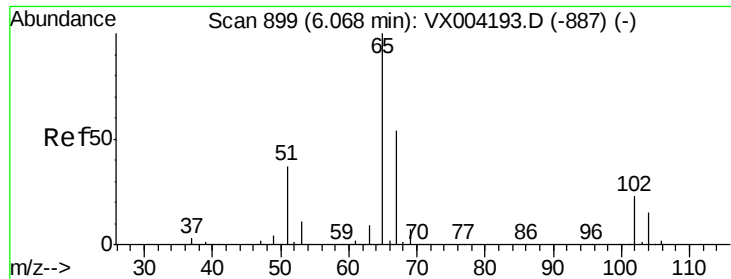
Ion Ratio Lower Upper

56 100

69 176.7 25.4 38.2#

84 168.6 71.4 107.2#

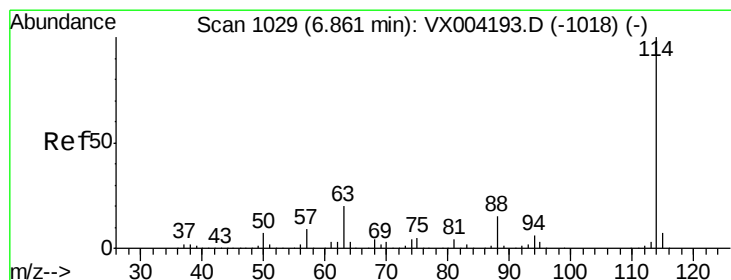
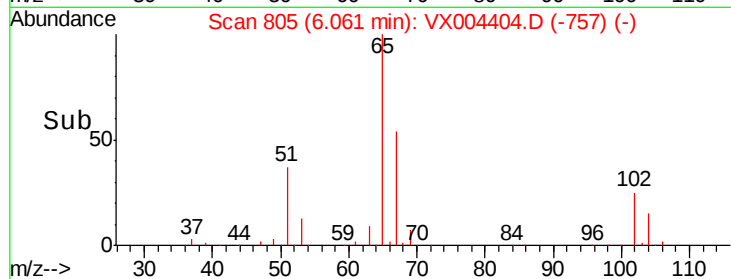
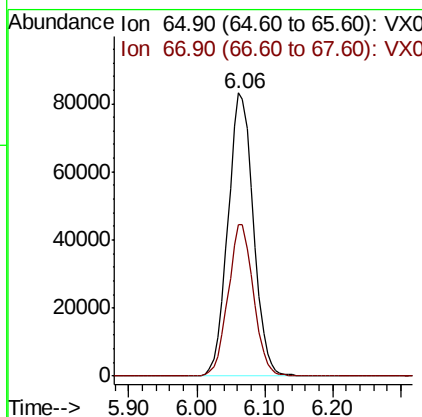
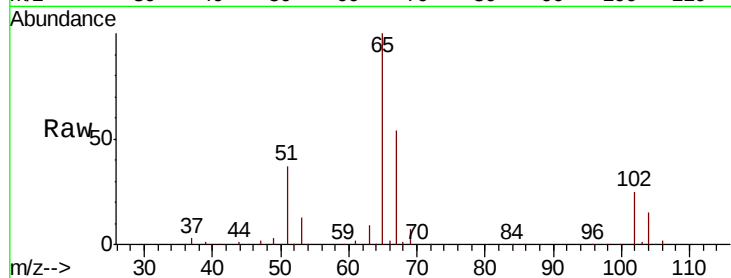




#33
 1,2-Dichloroethane-d4
 Concen: 52.47 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX004404.D
 Acq: 07 Sep 2018 13:44

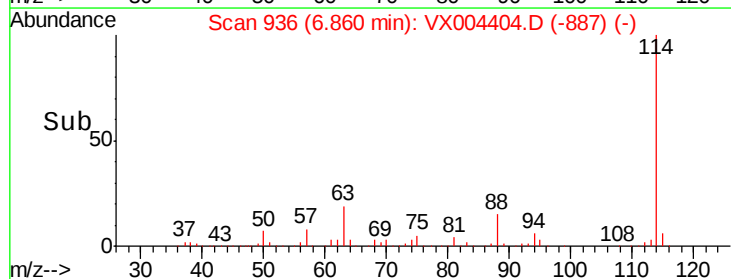
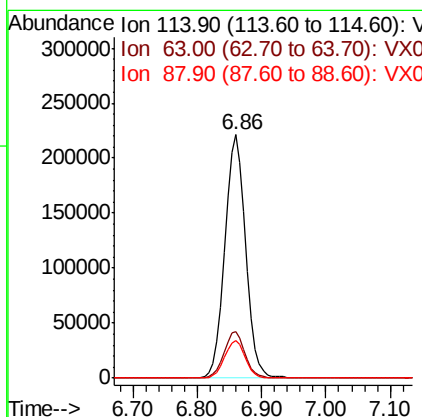
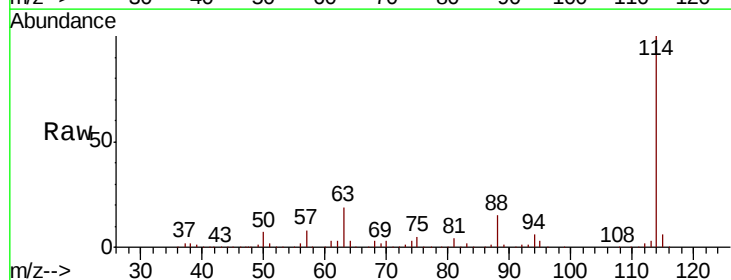
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907MBL01

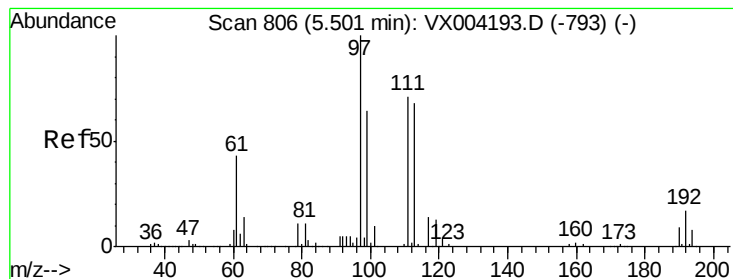
Tot Ion: 65 Resp: 215455
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004404.D
 Acq: 07 Sep 2018 13:44

Tgt Ion: 114 Resp: 505982
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.0
 88 15.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.23 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004404.D

Acq: 07 Sep 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

VX0907MBL01

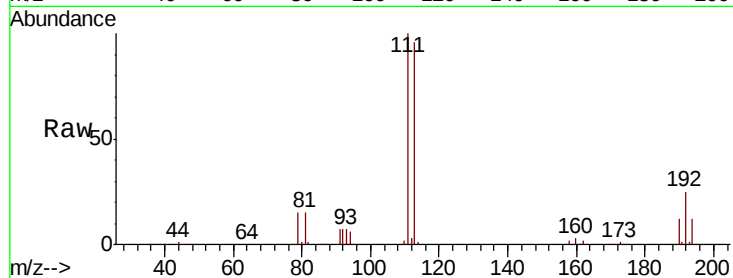
Tot Ion:113 Resp: 189084

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

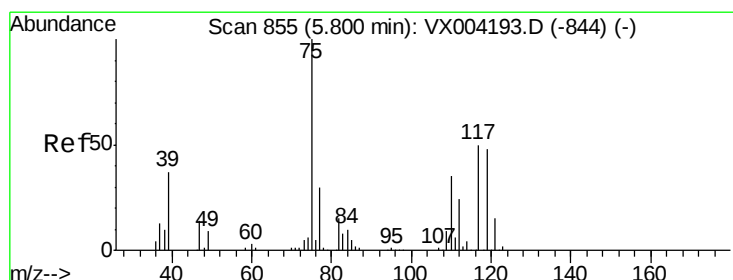
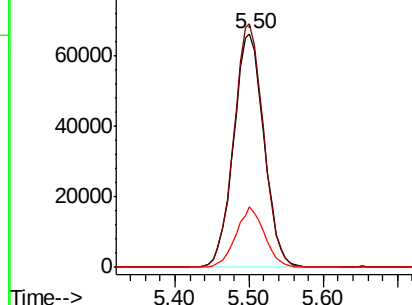
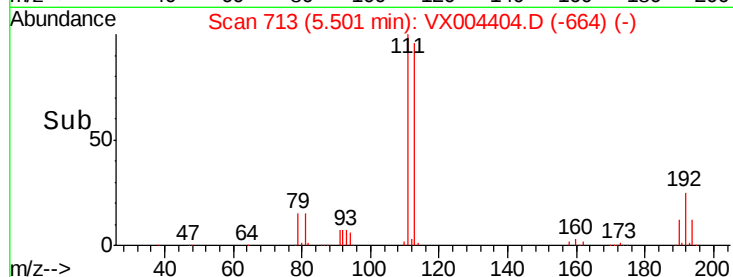
192 24.2 19.4 29.2



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: 3.59 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX004404.D

Acq: 07 Sep 2018 13:44

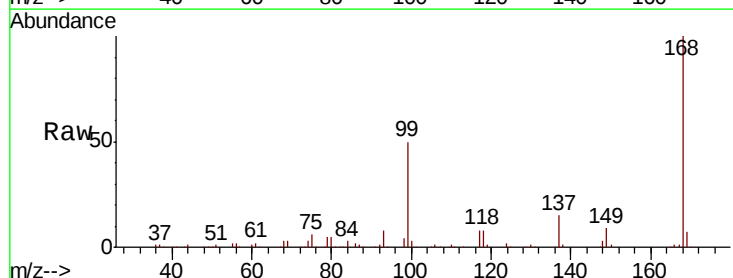
Tgt Ion: 75 Resp: 20441

Ion Ratio Lower Upper

75 100

110 8.7 18.0 54.0#

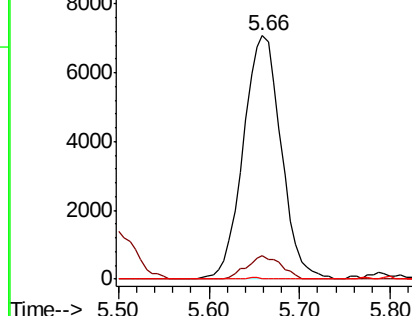
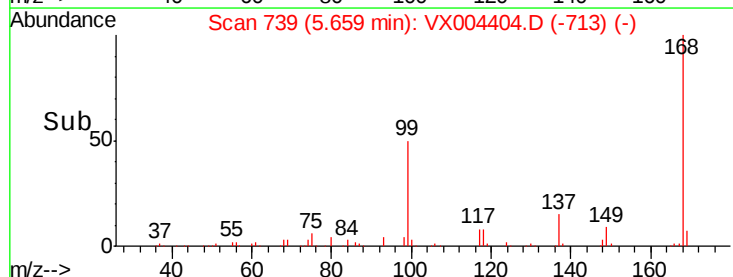
77 0.2 24.6 36.8#

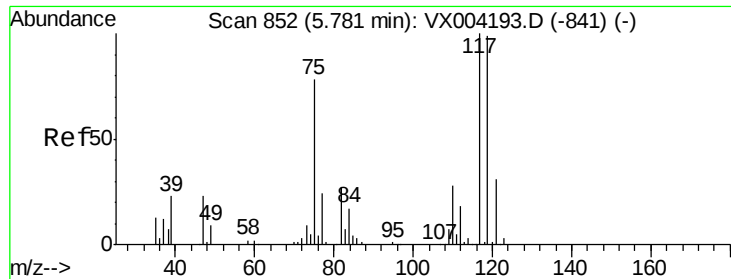


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.04 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004404.D

Acq: 07 Sep 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

VX0907MBL01

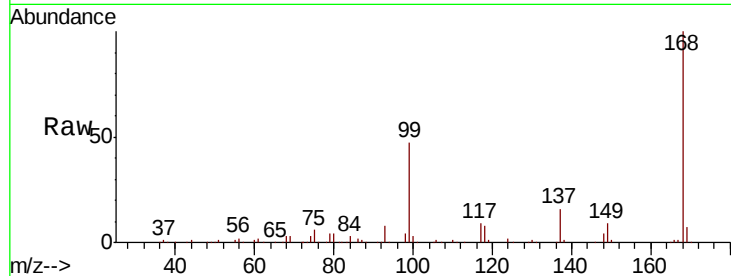
Tot Ion:117 Resp: 26986

Ion Ratio Lower Upper

117 100

119 6.9 78.8 118.2#

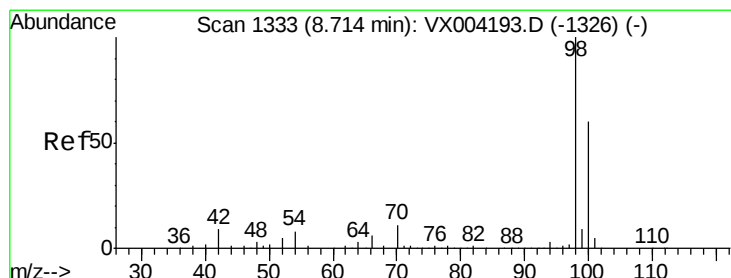
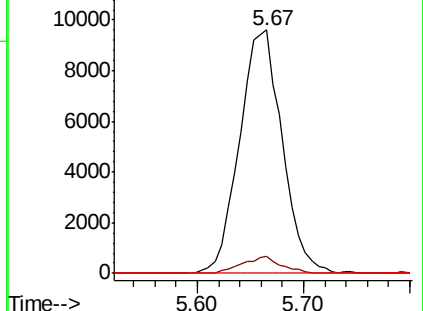
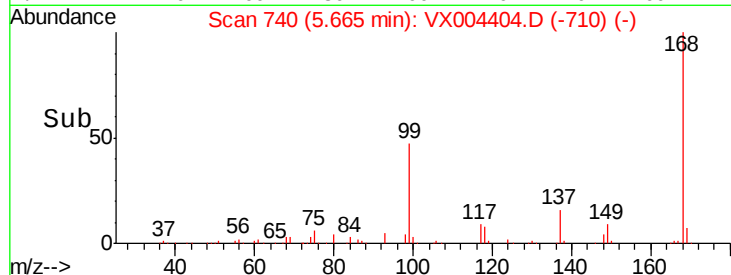
121 0.0 24.9 37.3#



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



#50

Toluene-d8

Concen: 49.68 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX004404.D

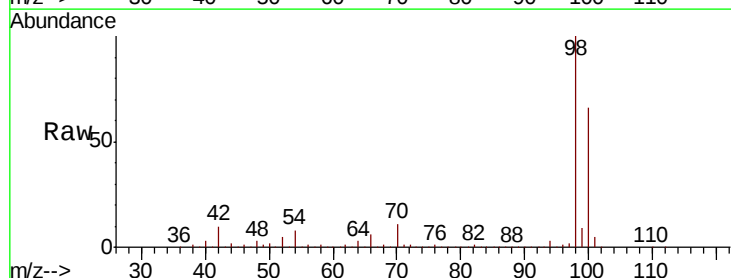
Acq: 07 Sep 2018 13:44

Tgt Ion: 98 Resp: 705899

Ion Ratio Lower Upper

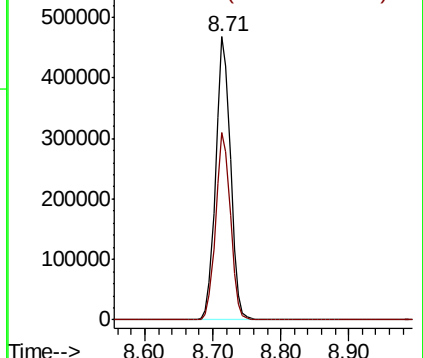
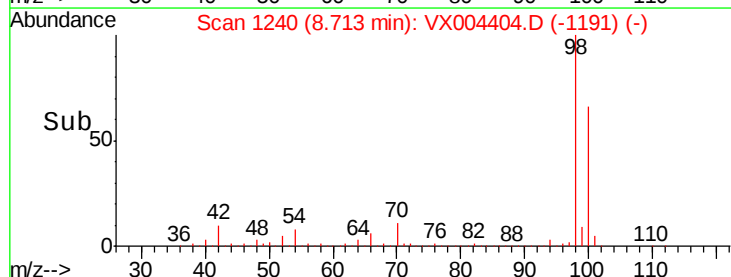
98 100

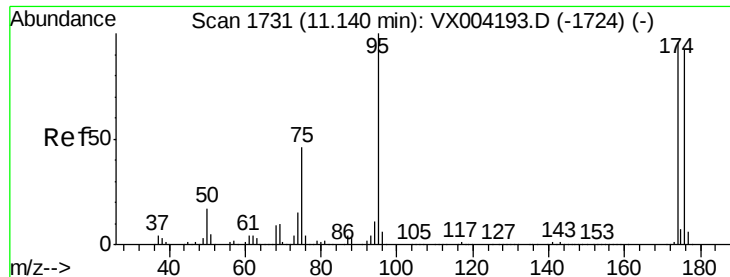
100 66.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.66 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004404.D

Acq: 07 Sep 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

VX0907MBL01

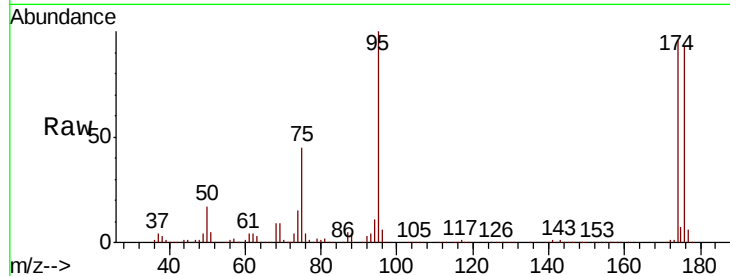
Tot Ion: 95 Resp: 247350

Ion Ratio Lower Upper

95 100

174 93.2 0.0 185.2

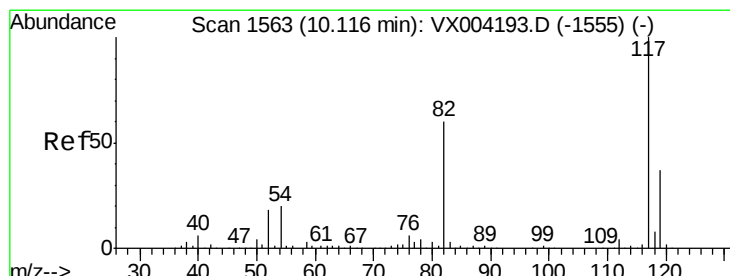
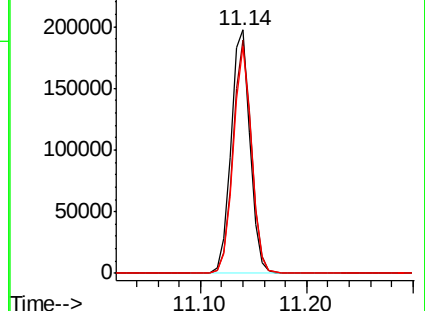
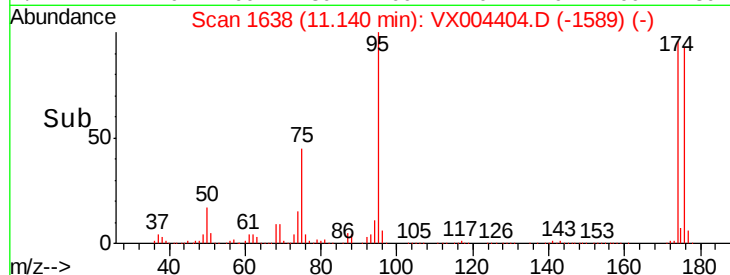
176 89.8 0.0 178.6



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: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX004404.D

Acq: 07 Sep 2018 13:44

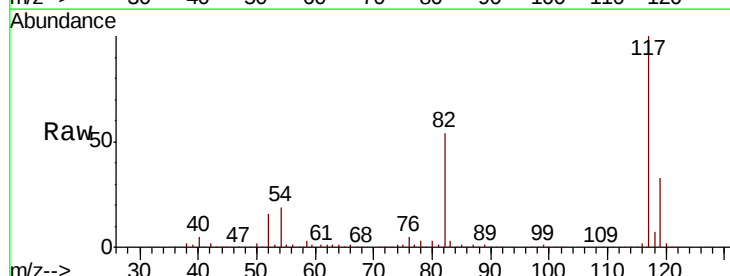
Tgt Ion: 117 Resp: 463394

Ion Ratio Lower Upper

117 100

82 53.7 47.8 71.6

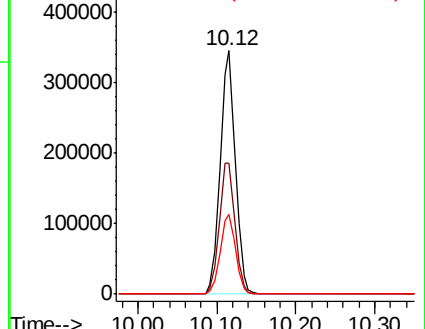
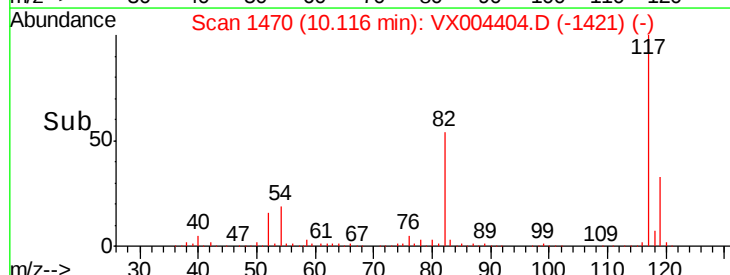
119 32.7 29.3 43.9

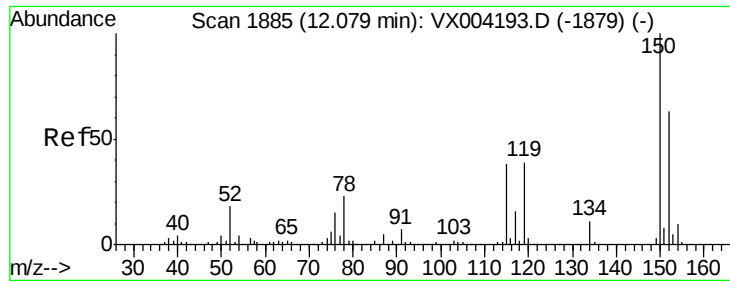


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004404.D

Acq: 07 Sep 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

VX0907MBL01

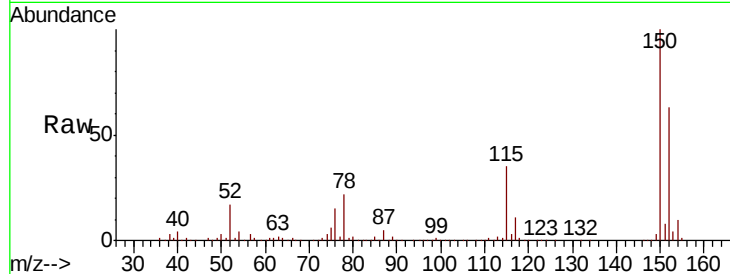
Tot Ion:152 Resp: 262861

Ion Ratio Lower Upper

152 100

115 54.9 39.0 117.0

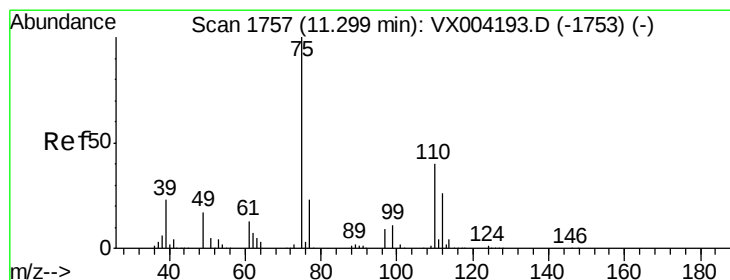
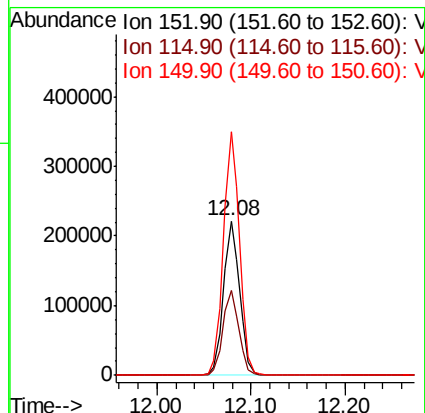
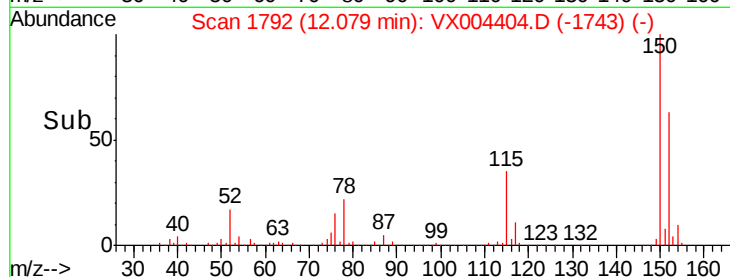
150 156.8 0.0 351.0



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: 21.93 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004404.D

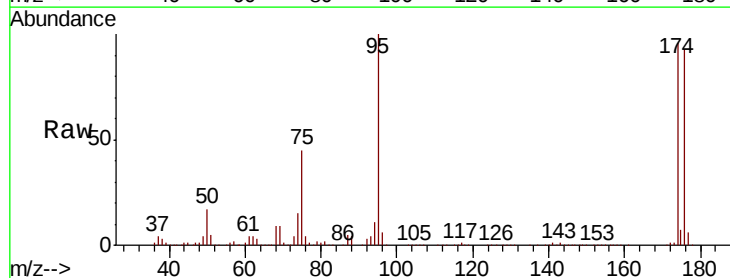
Acq: 07 Sep 2018 13:44

Tgt Ion: 75 Resp: 117244

Ion Ratio Lower Upper

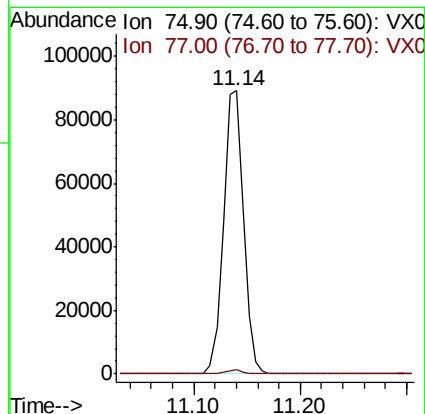
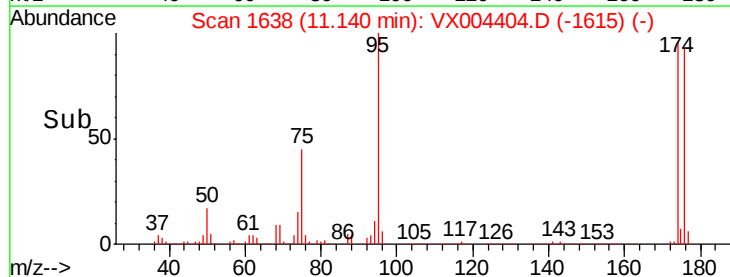
75 100

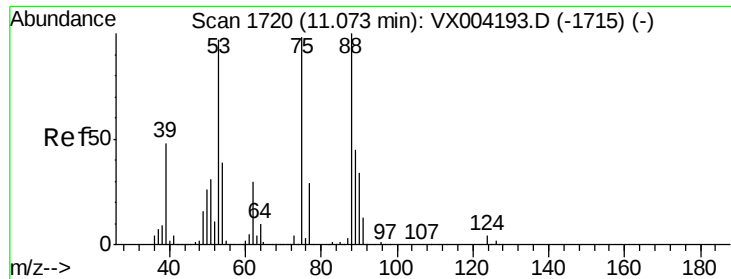
77 1.3 20.2 60.6#



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: 71.16 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX004404.D

Acq: 07 Sep 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

VX0907MBL01

Tot Ion: 75 Resp: 117244

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#

