

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082118\
 Data File : VX004170.D
 Acq On : 21 Aug 2018 12:45
 Operator : JC/MD
 Sample : PB112229TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB112229TB

Quant Time: Aug 22 00:53:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	291315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	483069	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	468219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	247923	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	217642	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
35) Dibromofluoromethane	5.50	113	186103	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	8.71	98	675087	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	
62) 4-Bromofluorobenzene	11.14	95	233754	43.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.94%	

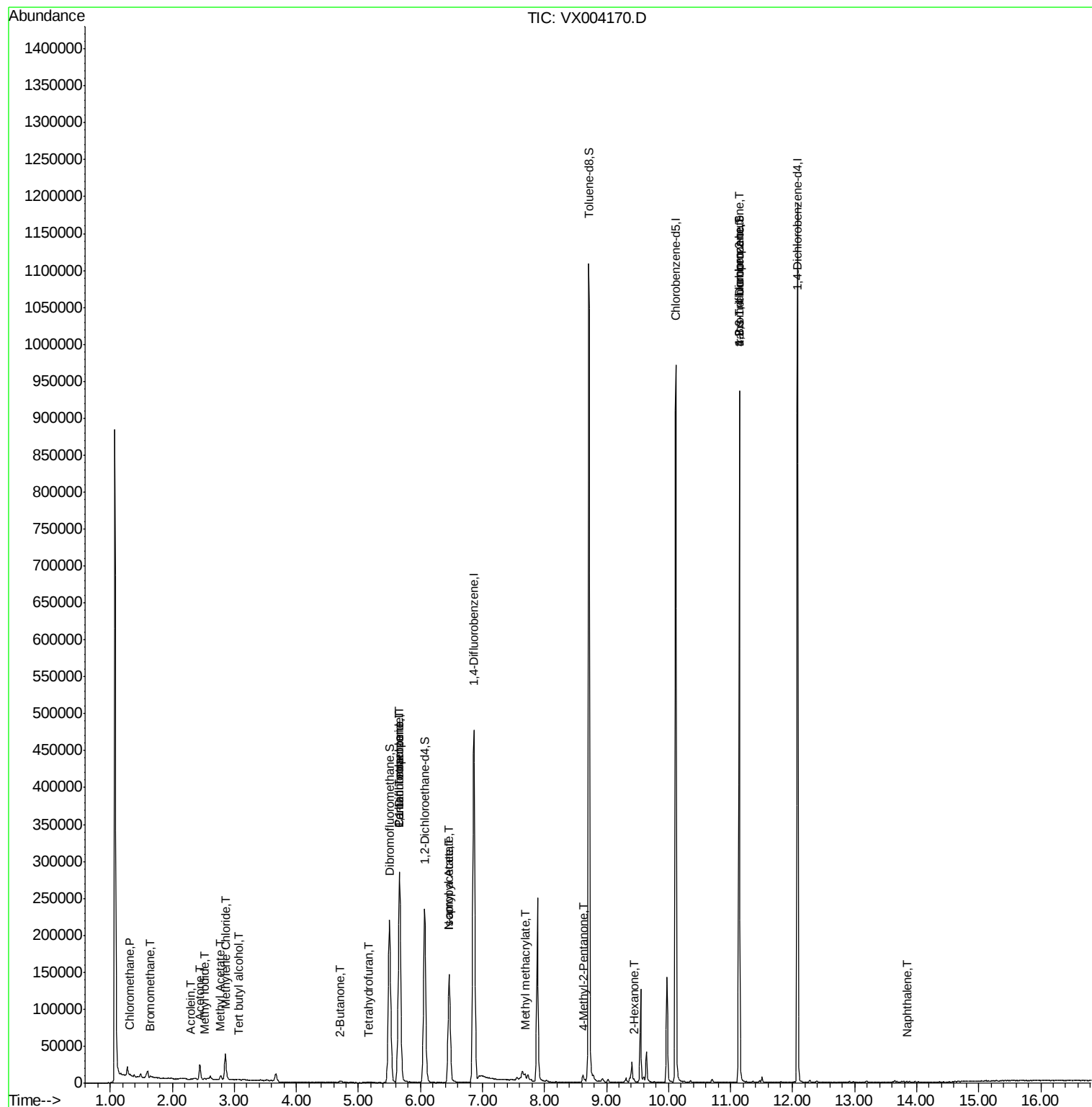
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1947	0.56	ug/l	94
5) Bromomethane	1.65	94	940	0.31	ug/l	87
6) Chloroethane	1.74	64	322	Below Cal	#	59
10) Methyl Iodide	2.52	142	1075	5.28	ug/l	# 96
11) Tert butyl alcohol	3.07	59	529	0.64	ug/l	95
13) Acrolein	2.29	56	336	11.52	ug/l	# 39
16) Acetone	2.45	43	20959	9.82	ug/l	97
18) Methyl Acetate	2.78	43	6639	1.40	ug/l	93
20) Methylene Chloride	2.86	84	16416	4.15	ug/l	98
25) 2-Butanone	4.70	43	3735	1.08	ug/l	99
29) Tetrahydrofuran	5.16	42	1130	0.64	ug/l	# 74
36) 1,1-Dichloropropene	5.66	75	19763	3.60	ug/l	# 49
38) Carbon Tetrachloride	5.66	117	25788	4.83	ug/l	# 15
43) Isopropyl Acetate	6.46	43	189697	21.50	ug/l	100
48) Methyl methacrylate	7.69	41	8736	1.97	ug/l	# 22
51) 4-Methyl-2-Pentanone	8.62	43	3109	0.43	ug/l	# 34
59) 2-Hexanone	9.44	43	1758	0.32	ug/l	# 22
74) N-amyl acetate	6.46	43	189697	24.04	ug/l	# 100
76) 1,2,3-Trichloropropane	11.14	75	112530	22.63	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	11.14	75	112530	70.06	ug/l	# 9
95) Naphthalene	13.83	128	689	1.18	ug/l	# 93

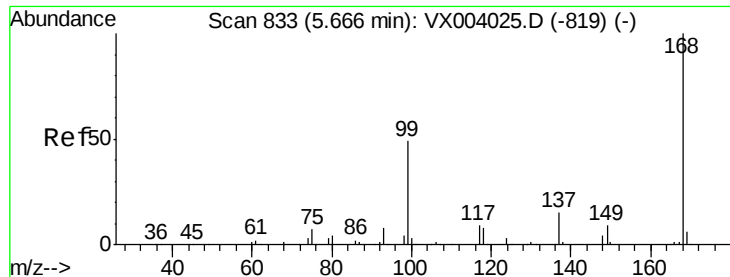
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082118\
Data File : VX004170.D
Acq On : 21 Aug 2018 12:45
Operator : JC/MD
Sample : PB112229TB
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB112229TB

Quant Time: Aug 22 00:53:12 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX004170.D

Acq: 21 Aug 2018 12:45

Instrument :

MSVOA_X

ClientSampleId :

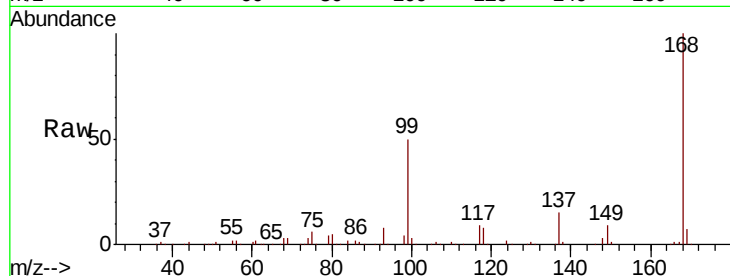
PB112229TB

Tot Ion:168 Resp: 291315

Ion Ratio Lower Upper

168 100

99 49.9 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

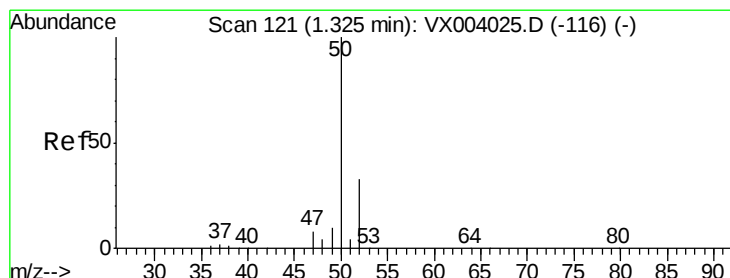
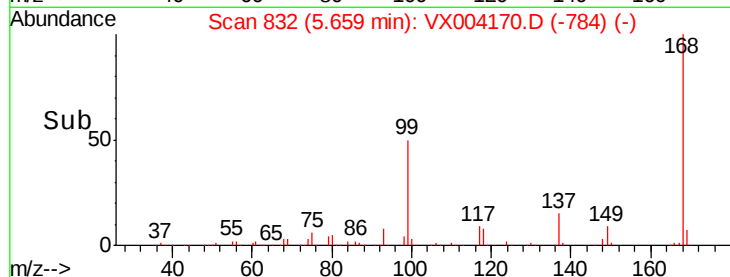
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.56 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004170.D

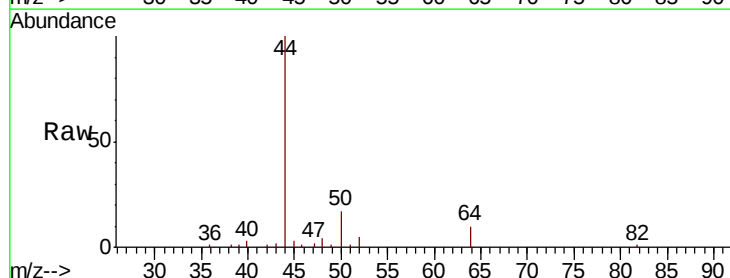
Acq: 21 Aug 2018 12:45

Tgt Ion: 50 Resp: 1947

Ion Ratio Lower Upper

50 100

52 29.7 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

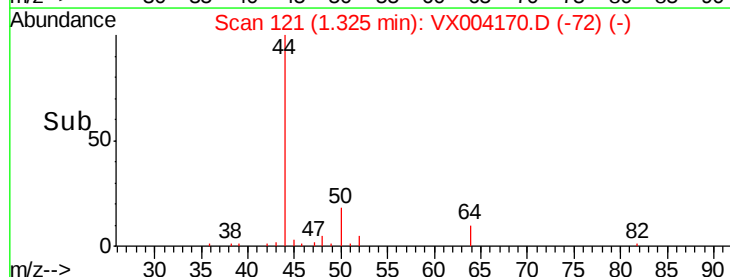
1500

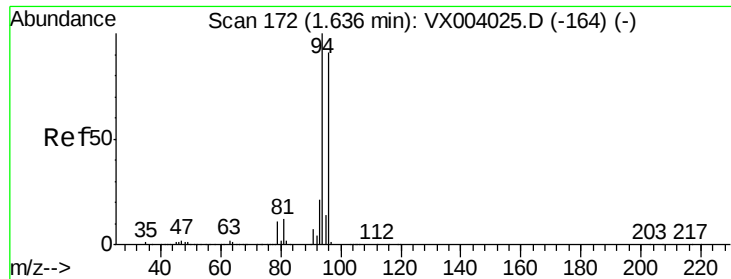
1000

500

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.31 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX004170.D

Acq: 21 Aug 2018 12:45

Instrument :

MSVOA_X

ClientSampleId :

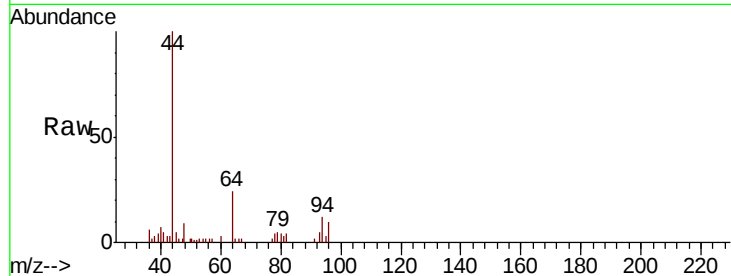
PB112229TB

Tot Ion: 94 Resp: 940

Ion Ratio Lower Upper

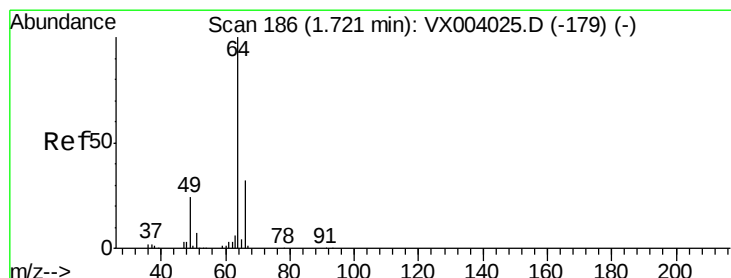
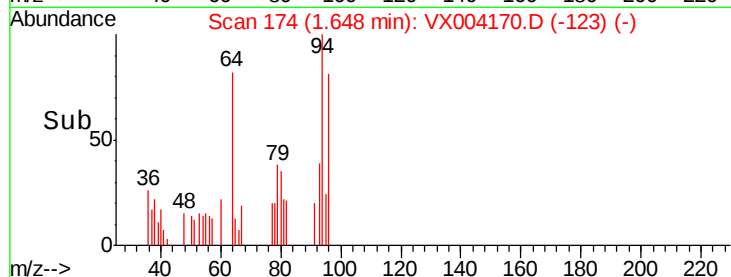
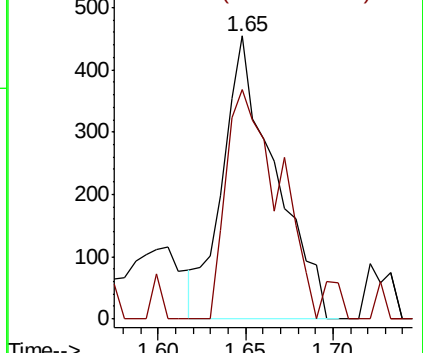
94 100

96 81.1 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 189

Delta R.T. 0.02 min

Lab File: VX004170.D

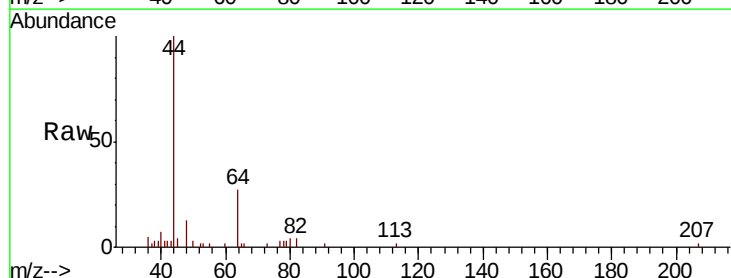
Acq: 21 Aug 2018 12:45

Tgt Ion: 64 Resp: 322

Ion Ratio Lower Upper

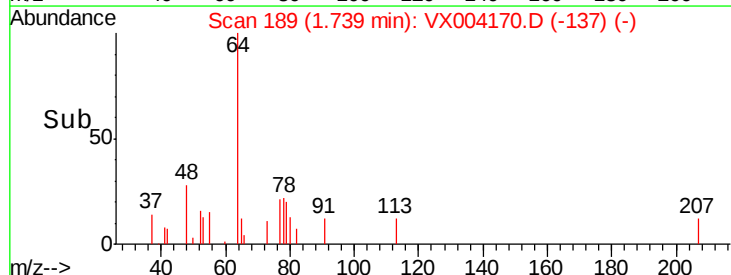
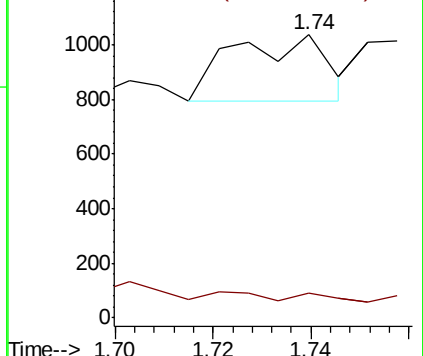
64 100

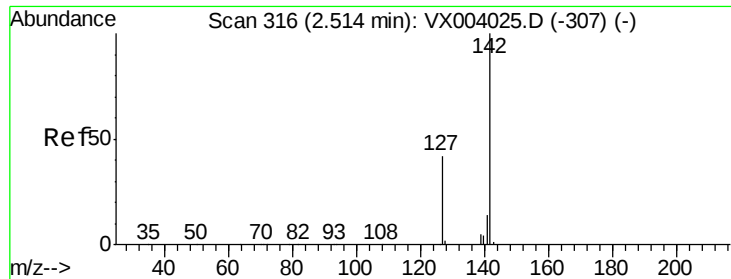
66 9.9 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

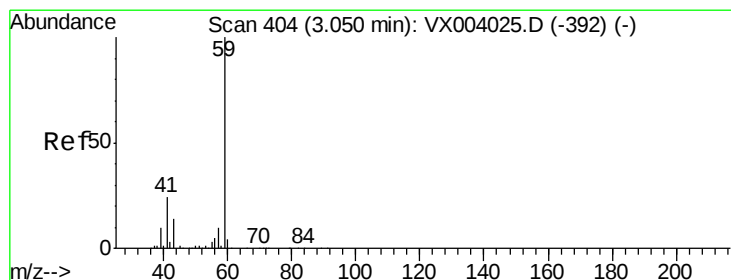
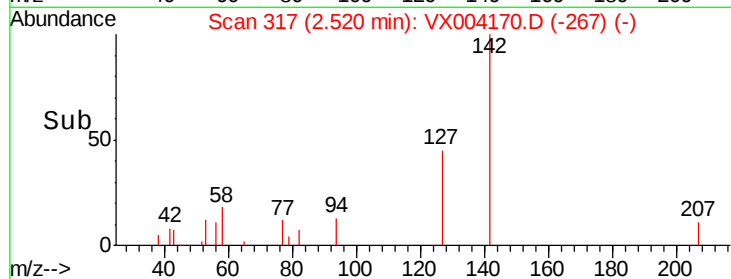
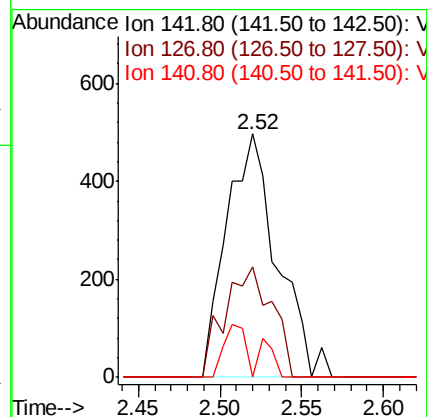
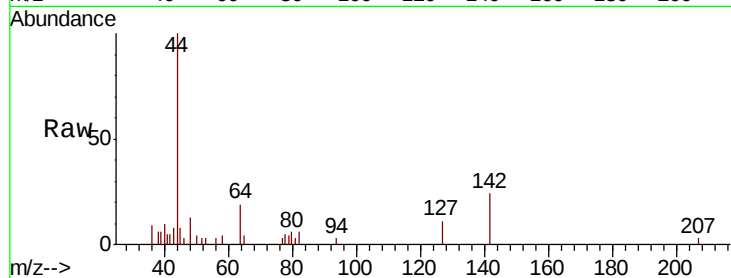




#10
Methyl Iodide
Concen: 5.28 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX004170.D
Acq: 21 Aug 2018 12:45

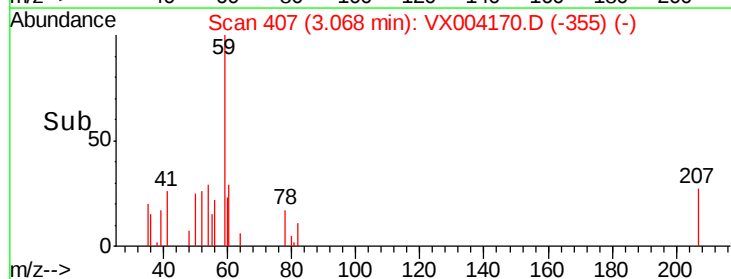
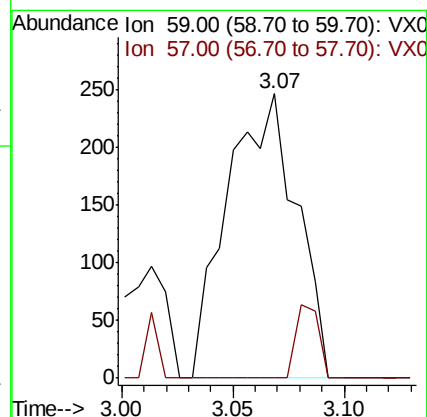
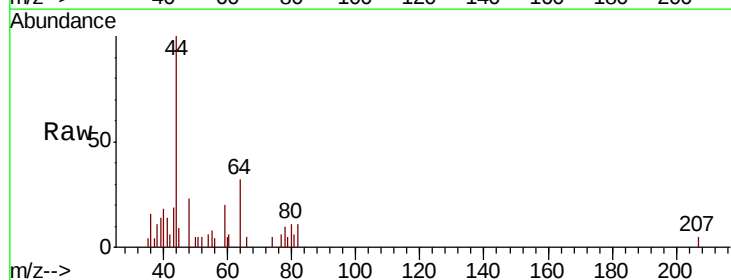
Instrument :
MSVOA_X
ClientSampled :
PB112229TB

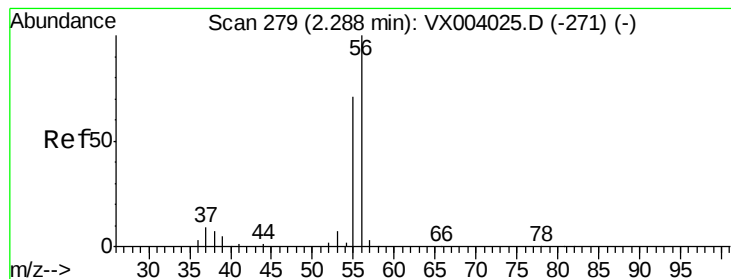
Tot Ion:142 Resp: 1075
Ion Ratio Lower Upper
142 100
127 42.2 33.1 49.7
141 9.2 11.1 16.7#



#11
Tert butyl alcohol
Concen: 0.64 ug/l
RT: 3.07 min Scan# 407
Delta R.T. 0.02 min
Lab File: VX004170.D
Acq: 21 Aug 2018 12:45

Tgt Ion: 59 Resp: 529
Ion Ratio Lower Upper
59 100
57 8.3 8.1 12.1





#13

Acrolein

Concen: 11.52 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004170.D

Acq: 21 Aug 2018 12:45

Instrument :

MSVOA_X

ClientSampleId :

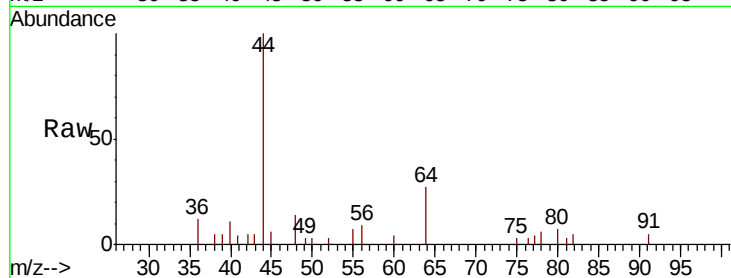
PB112229TB

Tot Ion: 56 Resp: 336

Ion Ratio Lower Upper

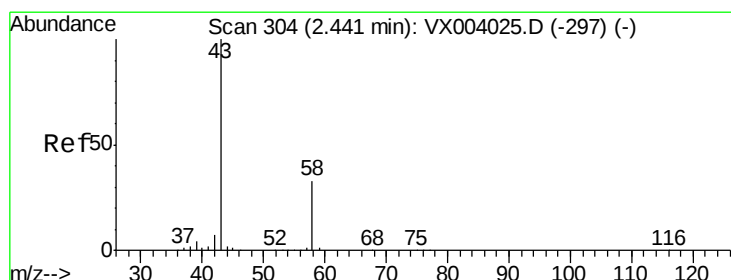
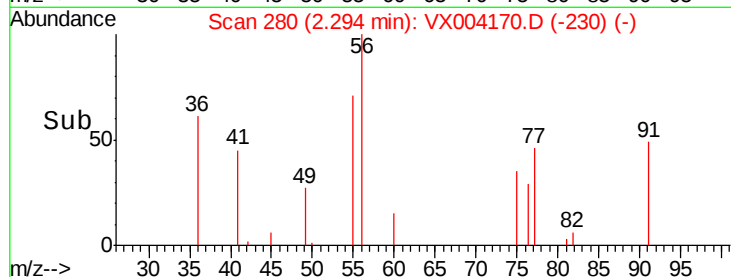
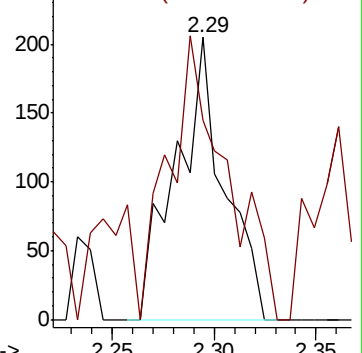
56 100

55 120.2 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 9.82 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.01 min

Lab File: VX004170.D

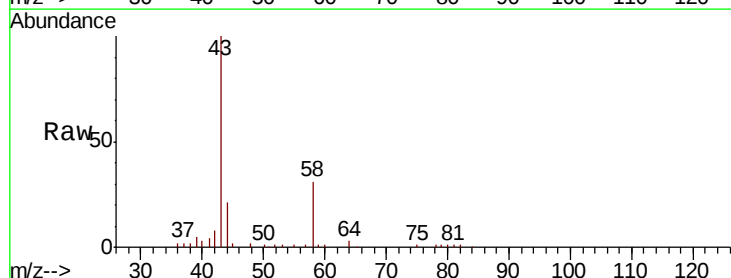
Acq: 21 Aug 2018 12:45

Tgt Ion: 43 Resp: 20959

Ion Ratio Lower Upper

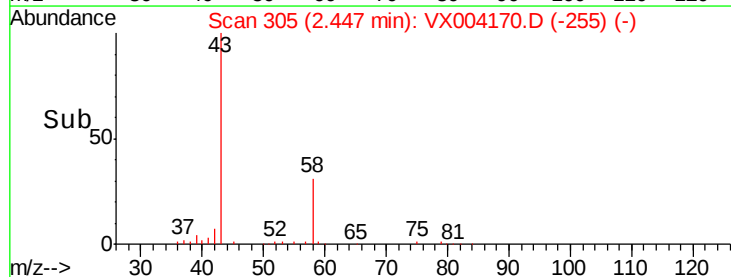
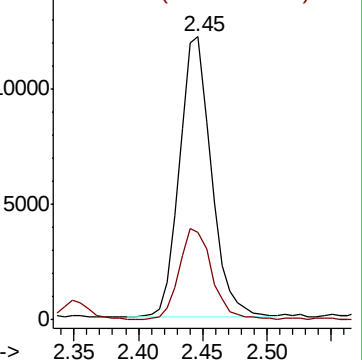
43 100

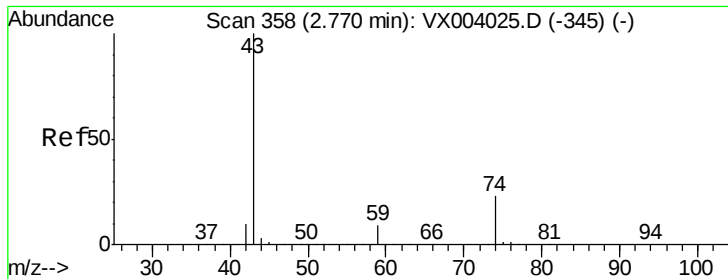
58 31.1 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

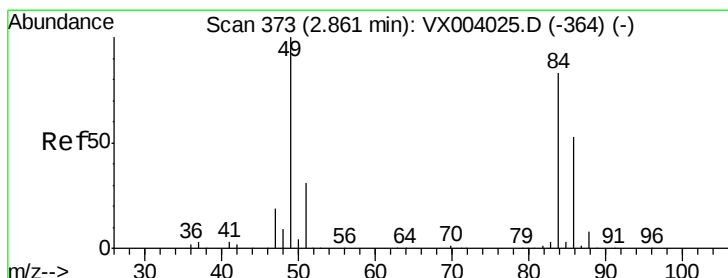
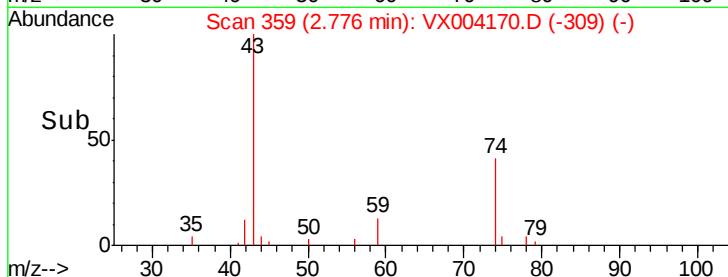
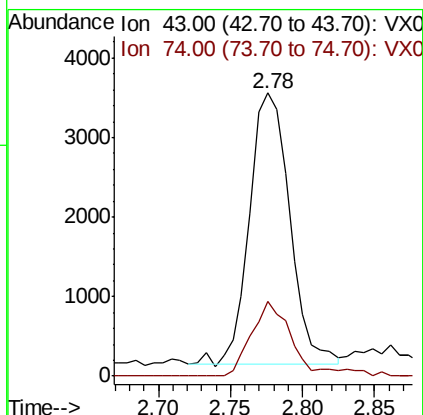
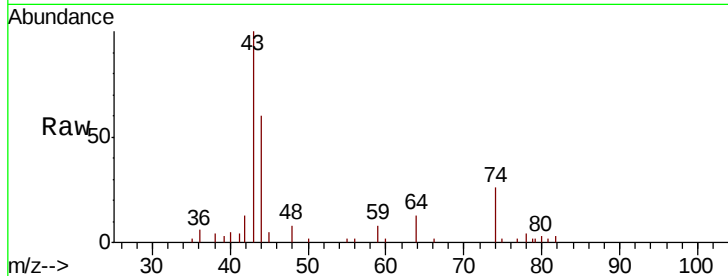




#18
Methyl Acetate
Concen: 1.40 ug/l
RT: 2.78 min Scan# 359
Delta R.T. 0.01 min
Lab File: VX004170.D
Acq: 21 Aug 2018 12:45

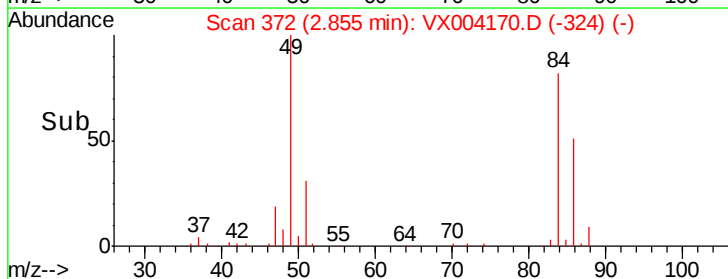
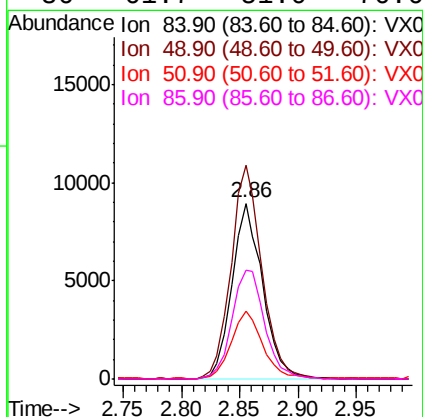
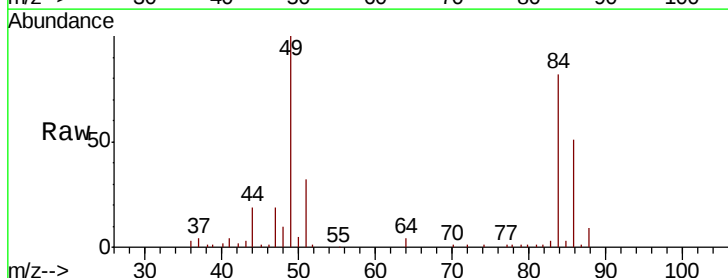
Instrument :
MSVOA_X
ClientSampleId :
PB112229TB

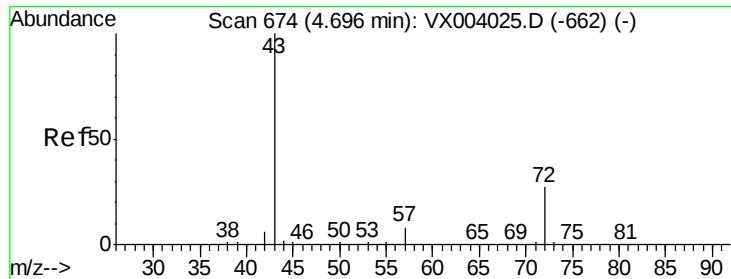
Tot Ion: 43 Resp: 6639
Ion Ratio Lower Upper
43 100
74 26.8 18.9 28.3



#20
Methylene Chloride
Concen: 4.15 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004170.D
Acq: 21 Aug 2018 12:45

Tgt Ion: 84 Resp: 16416
Ion Ratio Lower Upper
84 100
49 121.4 98.9 148.3
51 38.8 29.9 44.9
86 61.7 51.0 76.6





#25

2-Butanone

Concen: 1.08 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX004170.D

Acq: 21 Aug 2018 12:45

Instrument :

MSVOA_X

ClientSampled :

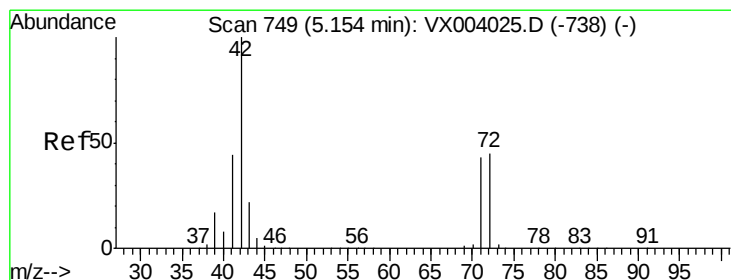
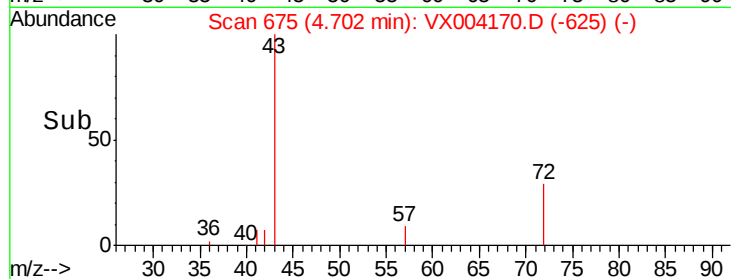
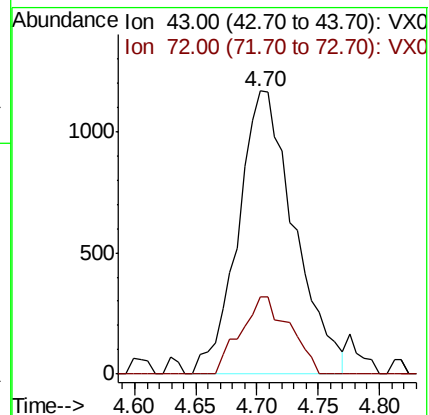
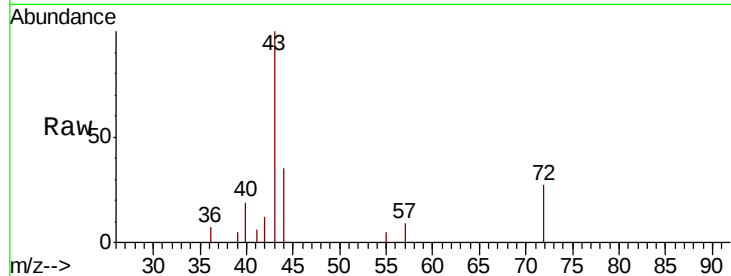
PB112229TB

Tot Ion: 43 Resp: 3735

Ion Ratio Lower Upper

43 100

72 27.1 21.4 32.0



#29

Tetrahydrofuran

Concen: 0.64 ug/l

RT: 5.16 min Scan# 750

Delta R.T. 0.01 min

Lab File: VX004170.D

Acq: 21 Aug 2018 12:45

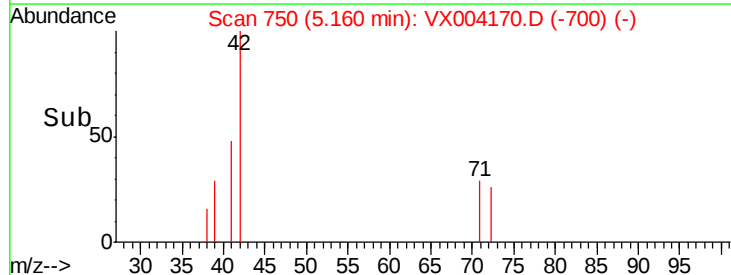
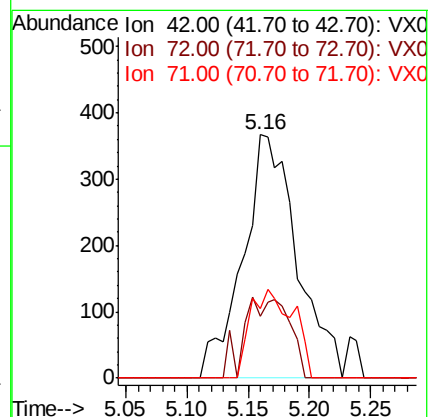
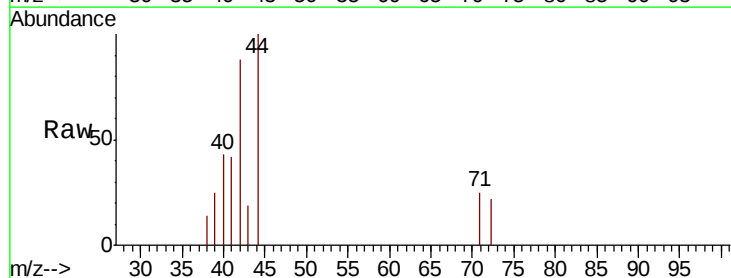
Tgt Ion: 42 Resp: 1130

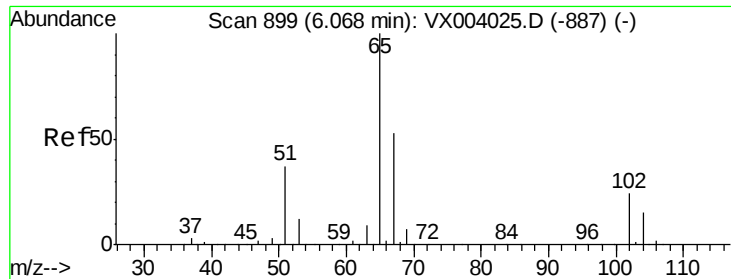
Ion Ratio Lower Upper

42 100

72 27.7 37.7 56.5#

71 28.8 35.0 52.6#

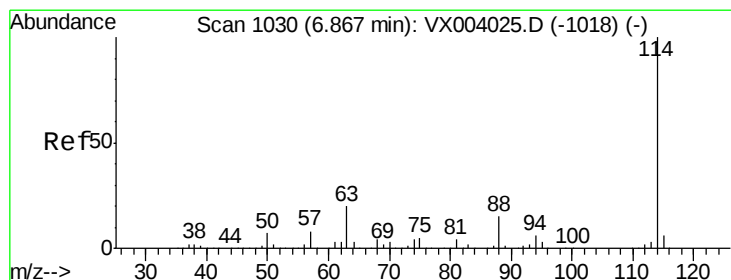
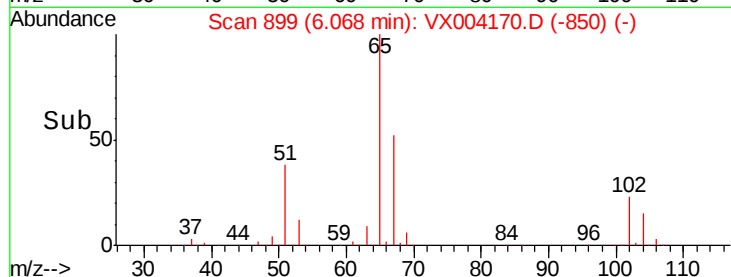
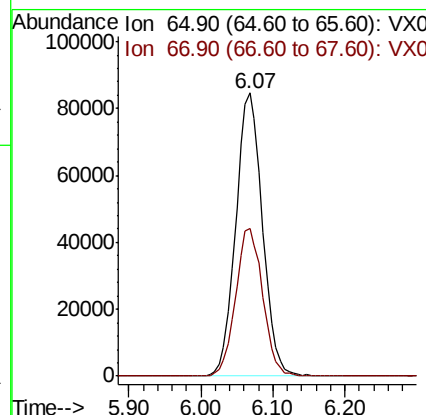
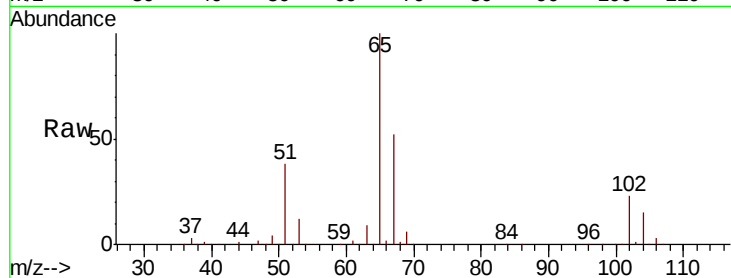




#33
 1,2-Dichloroethane-d4
 Concen: 53.03 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004170.D
 Acq: 21 Aug 2018 12:45

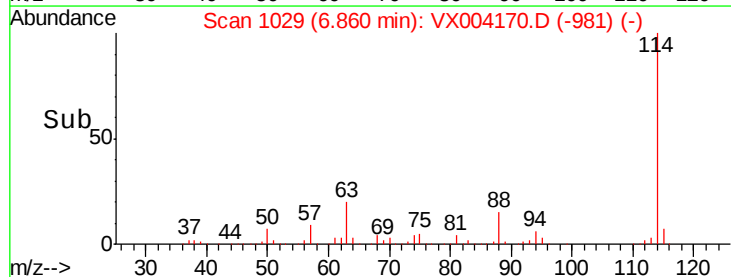
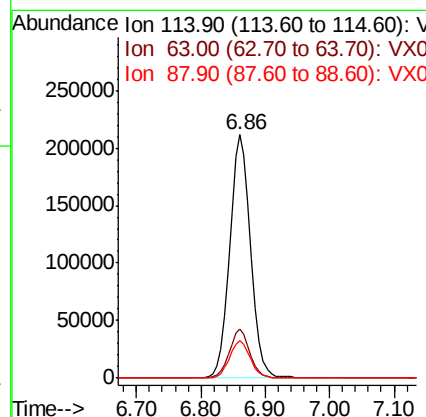
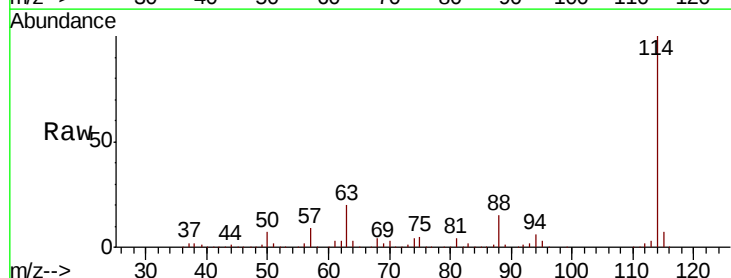
Instrument :
 MSVOA_X
 ClientSampleId :
 PB112229TB

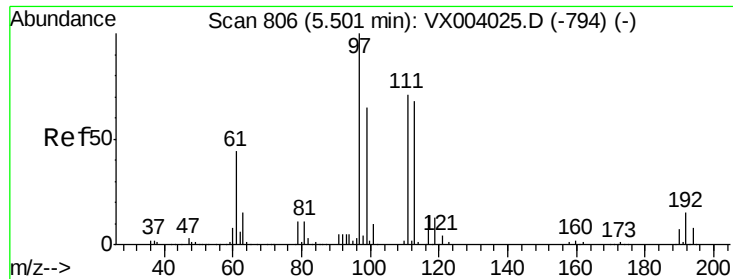
Tot Ion: 65 Resp: 217642
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004170.D
 Acq: 21 Aug 2018 12:45

Tgt Ion: 114 Resp: 483069
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.0
 88 15.4 0.0 32.0

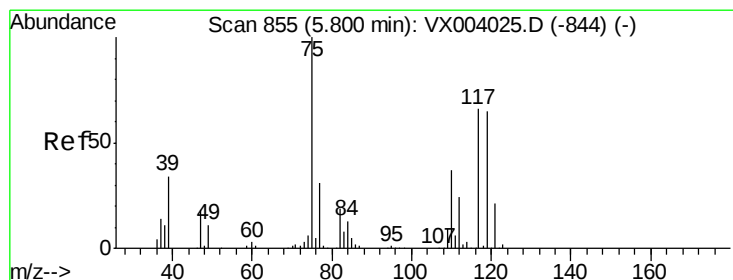
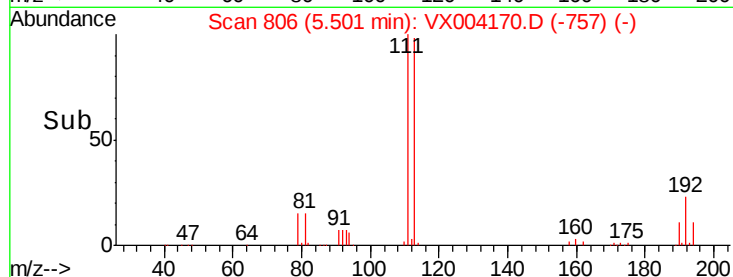
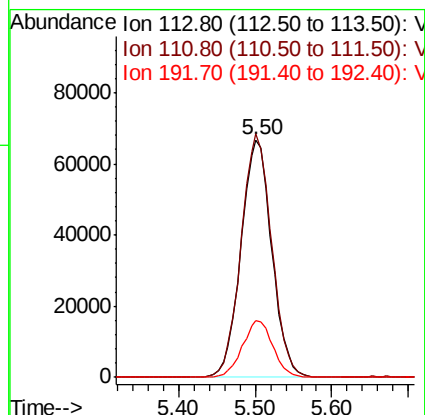
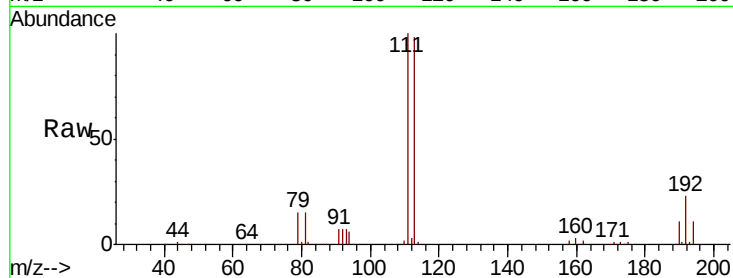




#35
 Dibromofluoromethane
 Concen: 51.48 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004170.D
 Acq: 21 Aug 2018 12:45

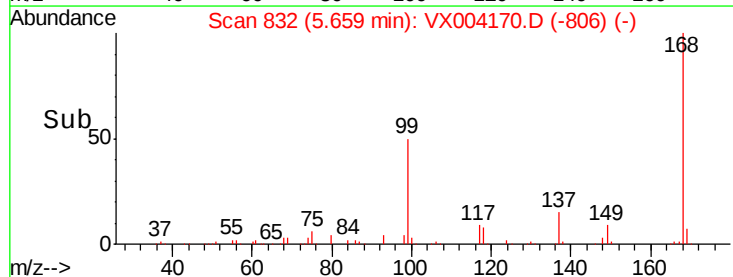
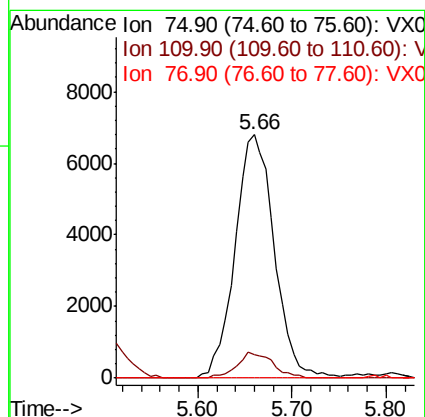
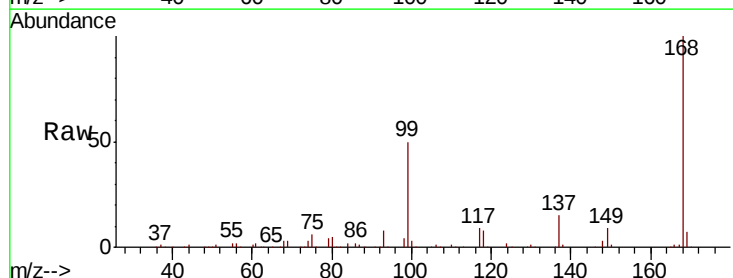
Instrument :
 MSVOA_X
 ClientSampleId :
 PB112229TB

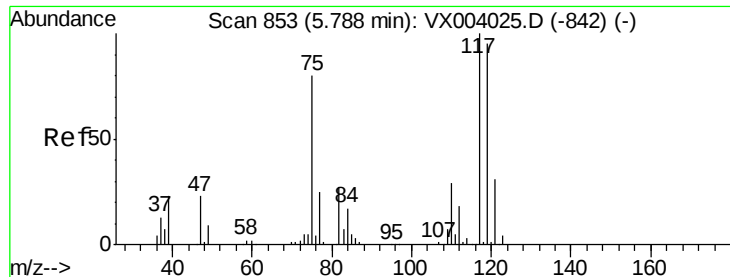
Tot Ion:113 Resp: 186103
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.0 123.0
 192 23.7 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 3.60 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX004170.D
 Acq: 21 Aug 2018 12:45

Tgt Ion: 75 Resp: 19763
 Ion Ratio Lower Upper
 75 100
 110 9.6 18.2 54.6#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 4.83 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.13 min

Lab File: VX004170.D

Acq: 21 Aug 2018 12:45

Instrument :

MSVOA_X

ClientSampleId :

PB112229TB

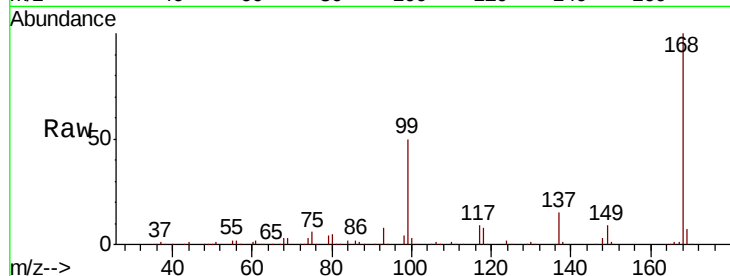
Tot Ion:117 Resp: 25788

Ion Ratio Lower Upper

117 100

119 5.5 79.5 119.3#

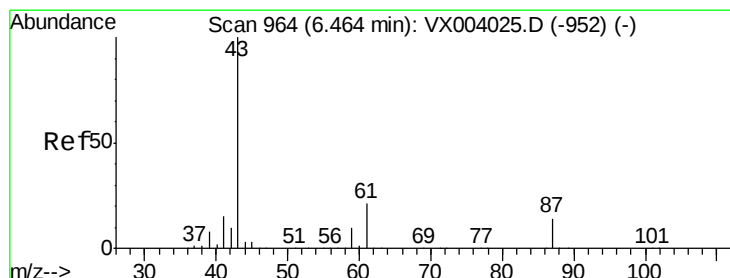
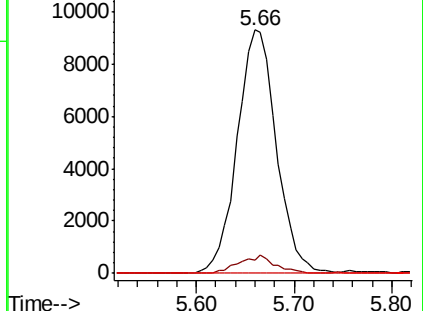
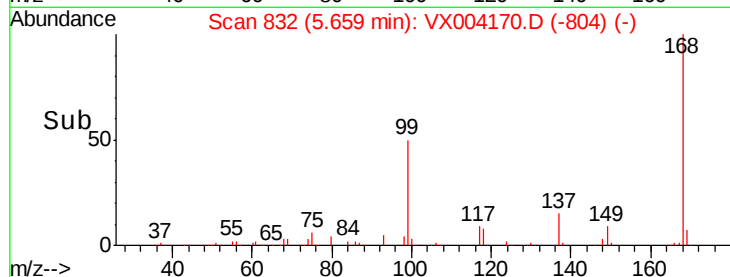
121 0.0 25.0 37.4#



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



#43

Isopropyl Acetate

Concen: 21.50 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004170.D

Acq: 21 Aug 2018 12:45

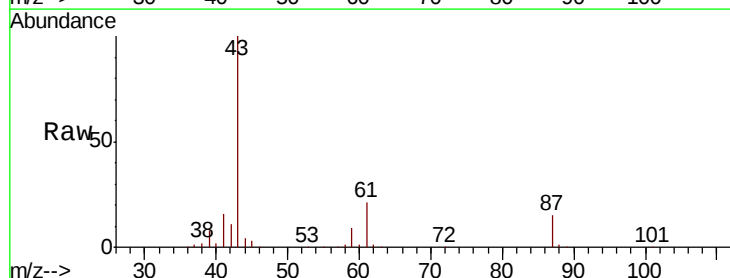
Tgt Ion: 43 Resp: 189697

Ion Ratio Lower Upper

43 100

61 20.9 16.9 25.3

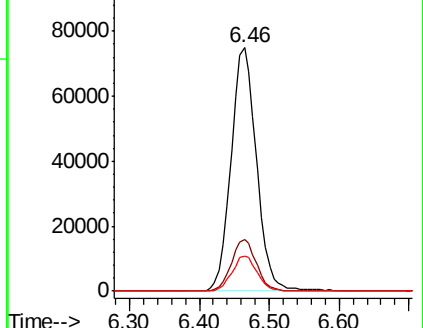
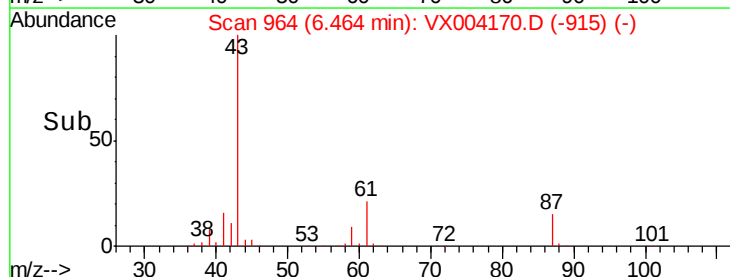
87 14.3 11.3 16.9

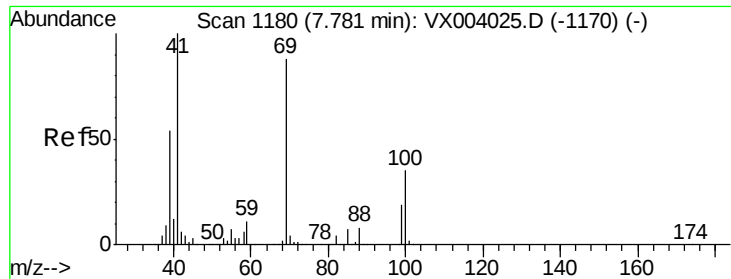


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

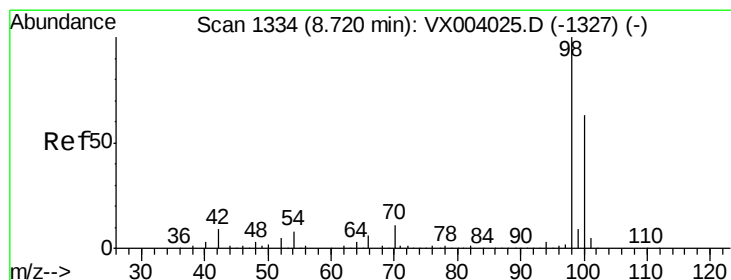
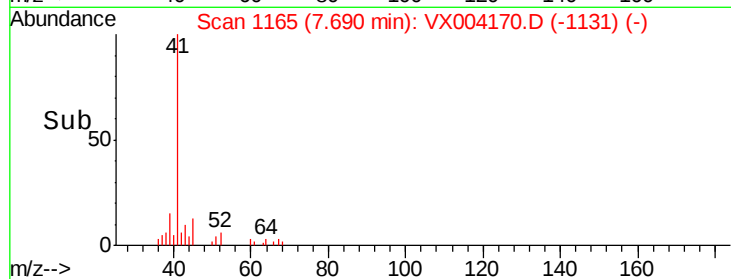
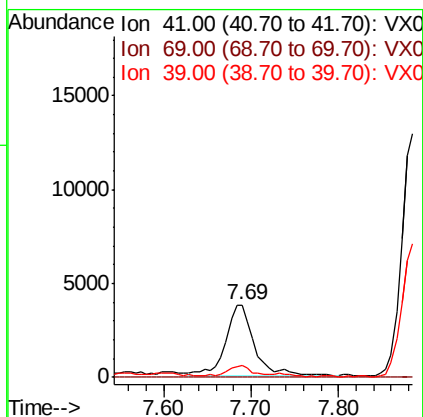
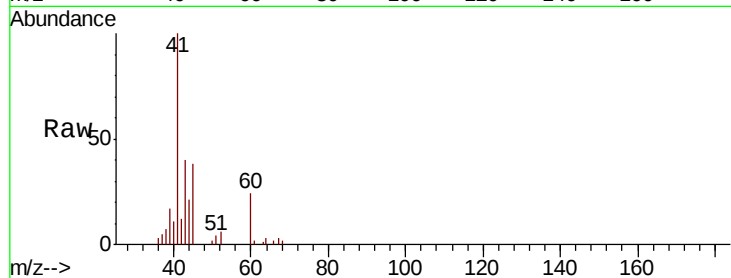




#48
Methyl methacrylate
Concen: 1.97 ug/l
RT: 7.69 min Scan# 1165
Delta R.T. -0.09 min
Lab File: VX004170.D
Acq: 21 Aug 2018 12:45

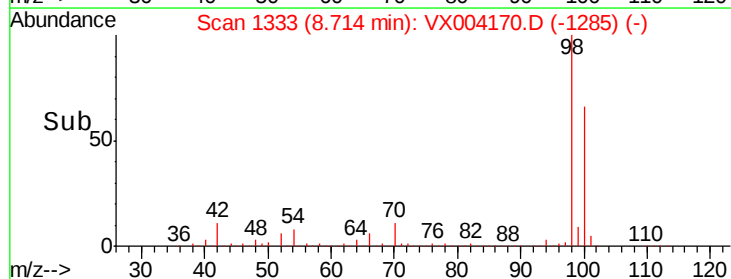
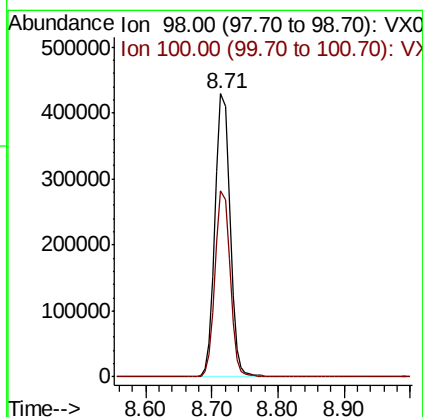
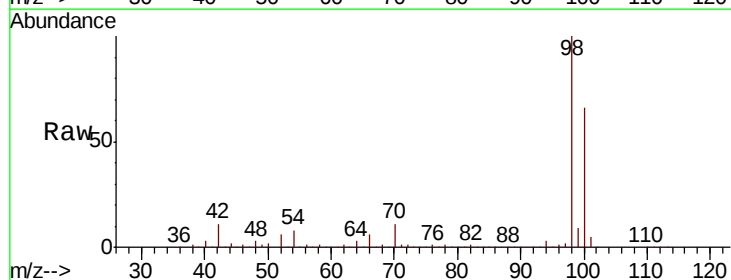
Instrument :
MSVOA_X
ClientSampled :
PB112229TB

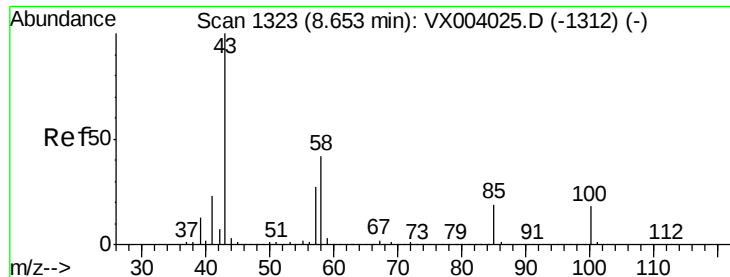
Tot Ion: 41 Resp: 8736
Ion Ratio Lower Upper
41 100
69 0.0 68.8 103.2#
39 14.8 42.3 63.5#



#50
Toluene-d8
Concen: 46.05 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX004170.D
Acq: 21 Aug 2018 12:45

Tgt Ion: 98 Resp: 675087
Ion Ratio Lower Upper
98 100
100 65.6 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 0.43 ug/l

RT: 8.62 min Scan# 1318

Delta R.T. -0.03 min

Lab File: VX004170.D

Acq: 21 Aug 2018 12:45

Instrument :

MSVOA_X

ClientSampleId :

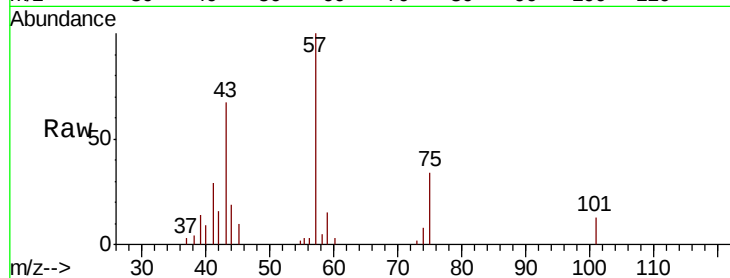
PB112229TB

Tot Ion: 43 Resp: 3109

Ion Ratio Lower Upper

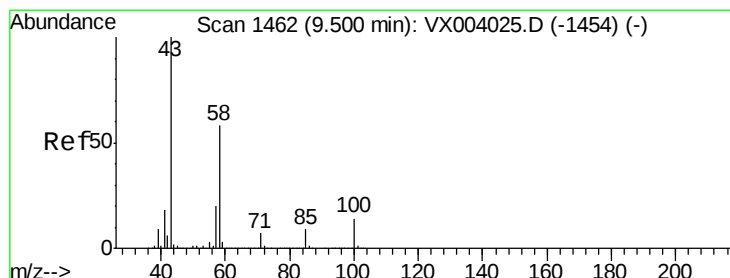
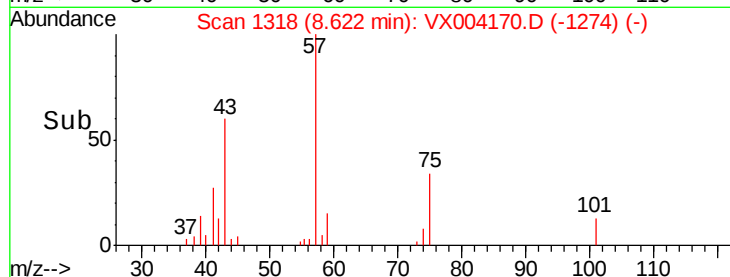
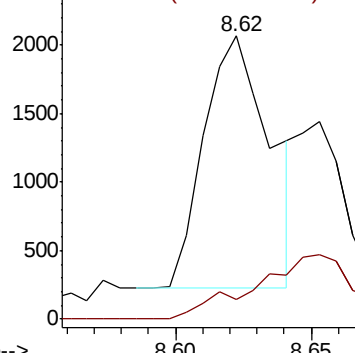
43 100

58 0.0 33.0 49.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#59

2-Hexanone

Concen: 0.32 ug/l

RT: 9.44 min Scan# 1452

Delta R.T. -0.06 min

Lab File: VX004170.D

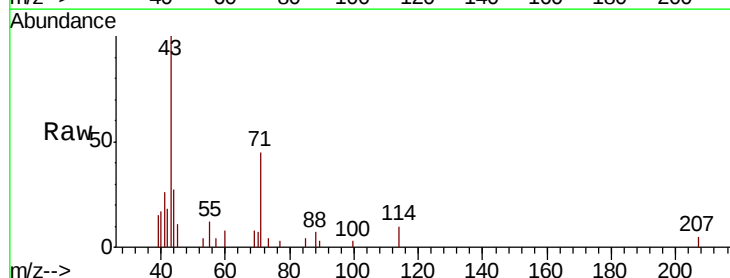
Acq: 21 Aug 2018 12:45

Tgt Ion: 43 Resp: 1758

Ion Ratio Lower Upper

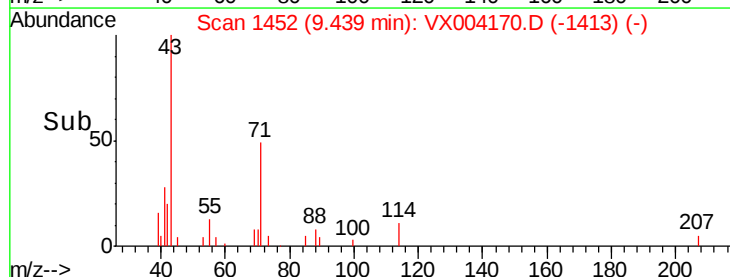
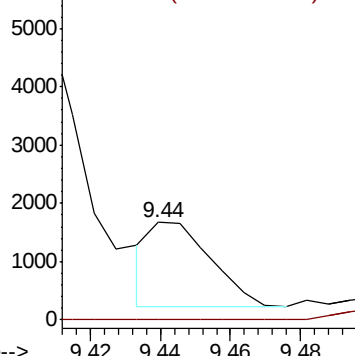
43 100

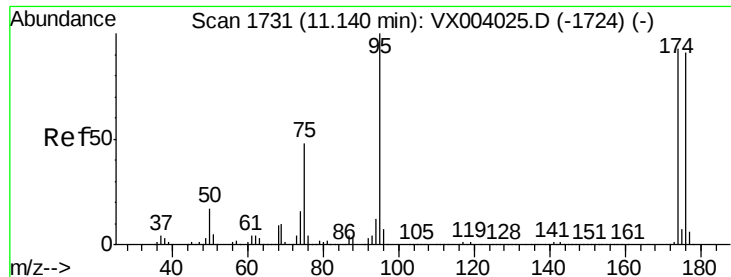
58 0.0 29.0 87.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

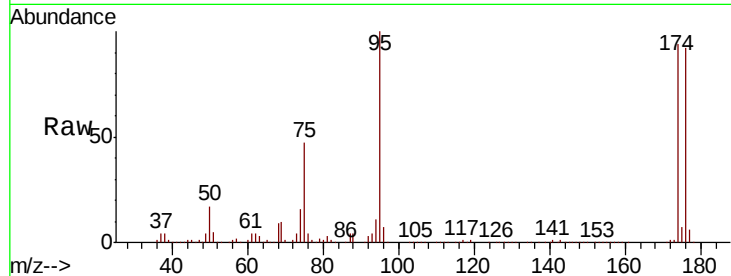




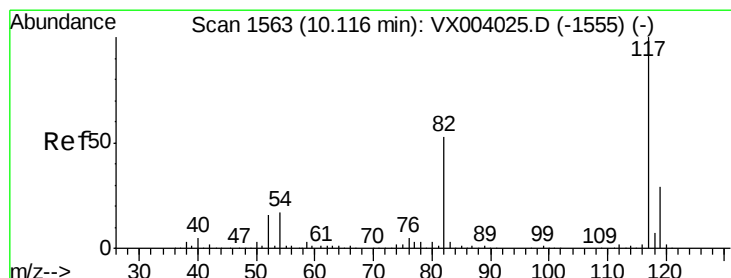
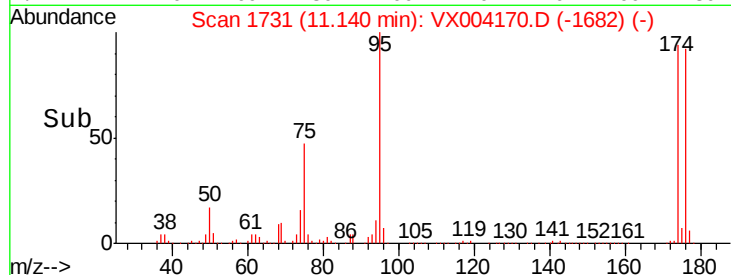
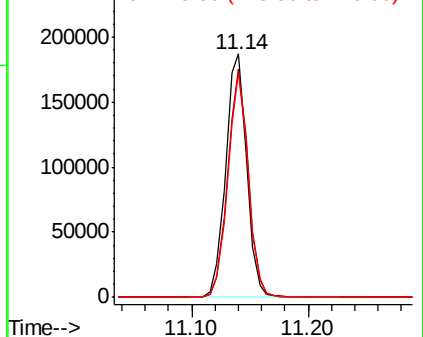
#62
4-Bromofluorobenzene
Concen: 43.97 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004170.D
Acq: 21 Aug 2018 12:45

Instrument :
MSVOA_X
ClientSampleId :
PB112229TB

Tot Ion: 95 Resp: 233754
Ion Ratio Lower Upper
95 100
174 92.2 0.0 182.8
176 89.5 0.0 179.0

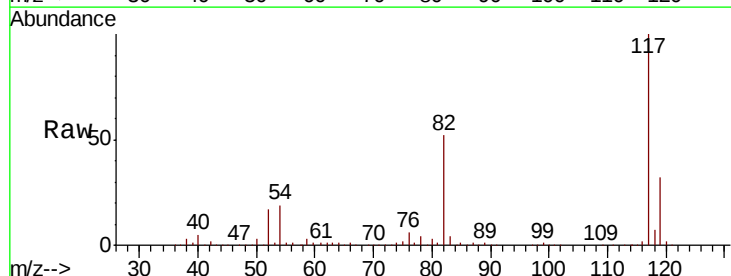


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

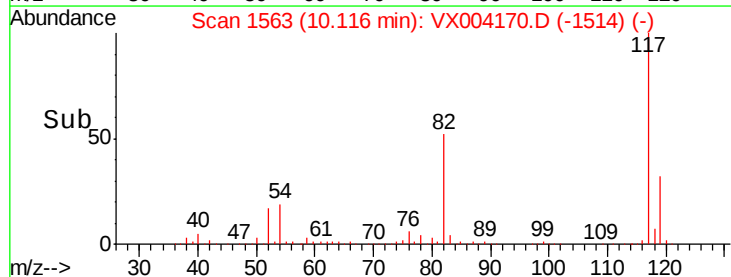
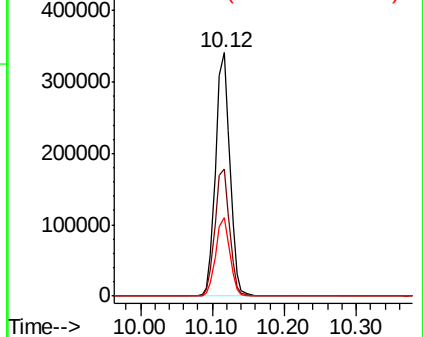


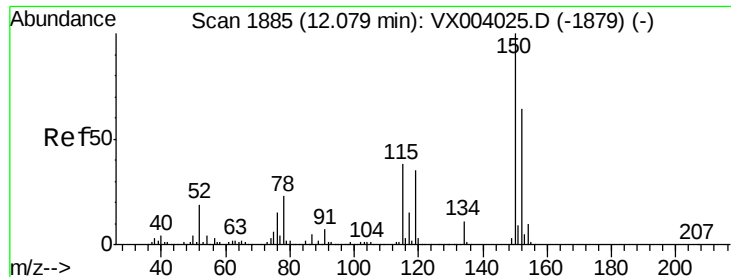
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004170.D
Acq: 21 Aug 2018 12:45

Tgt Ion: 117 Resp: 468219
Ion Ratio Lower Upper
117 100
82 52.2 45.4 68.0
119 32.1 26.6 40.0



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# 1885

Delta R.T. -0.00 min

Lab File: VX004170.D

Acq: 21 Aug 2018 12:45

Instrument :

MSVOA_X

ClientSampleId :

PB112229TB

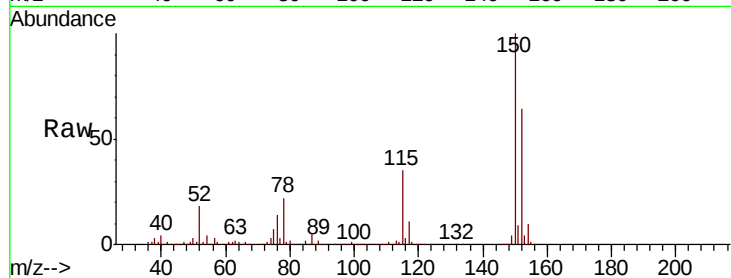
Tot Ion:152 Resp: 247923

Ion Ratio Lower Upper

152 100

115 54.6 39.1 117.3

150 154.7 0.0 349.2

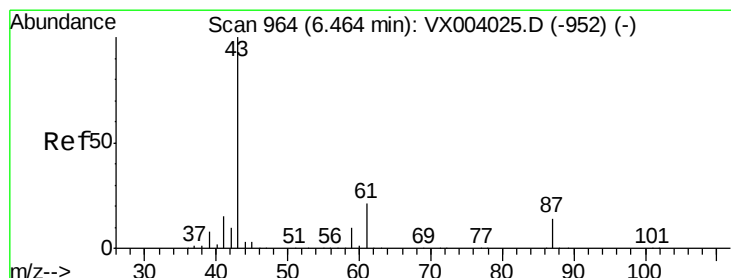
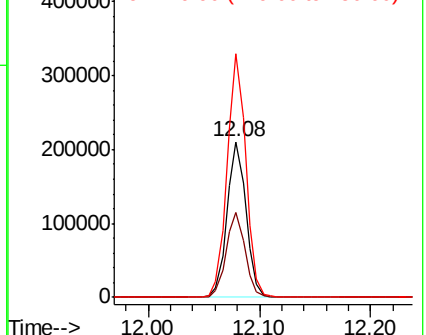
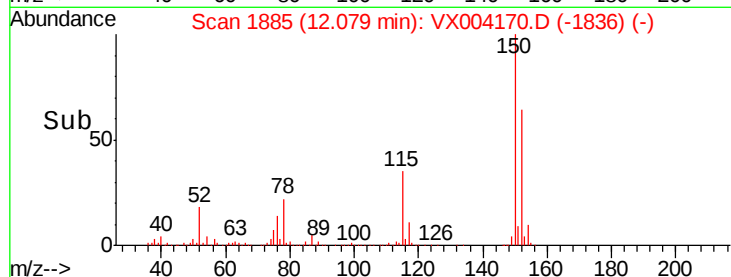


Abundance

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



#74

N-ethyl acetate

Concen: 24.04 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004170.D

Acq: 21 Aug 2018 12:45

Tgt Ion: 43 Resp: 189697

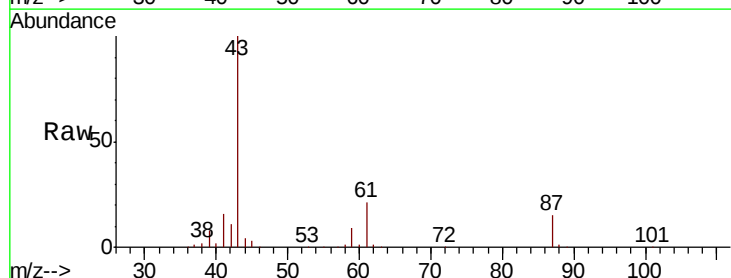
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 20.9 16.9 25.3



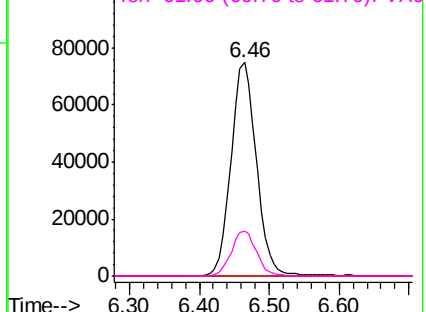
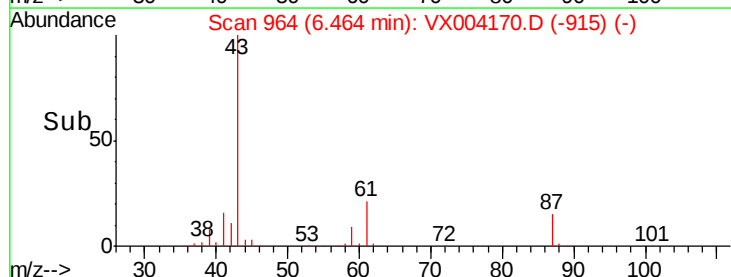
Abundance

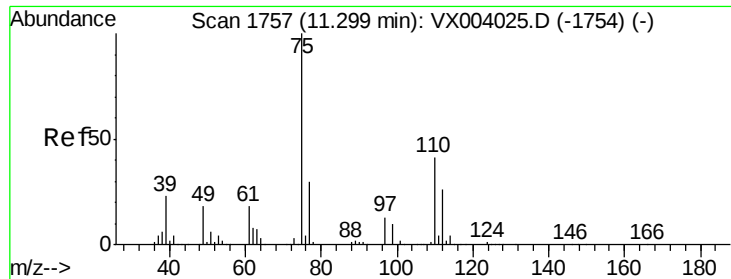
Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 22.63 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004170.D

Acq: 21 Aug 2018 12:45

Instrument :

MSVOA_X

ClientSampleId :

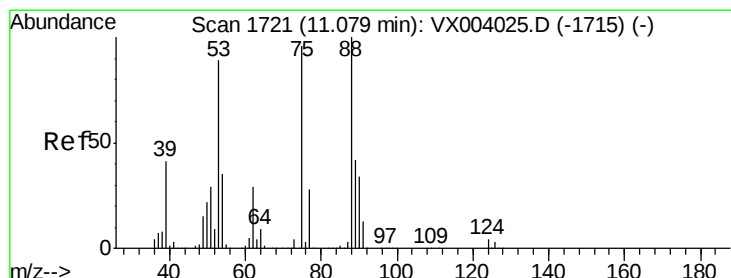
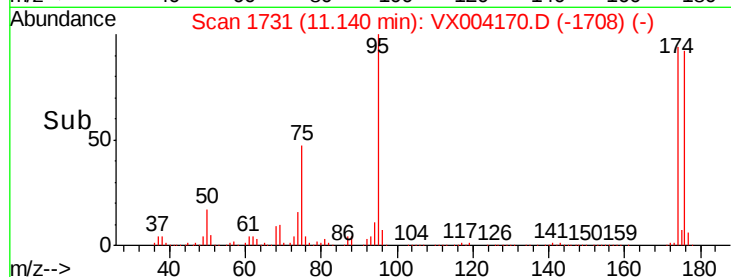
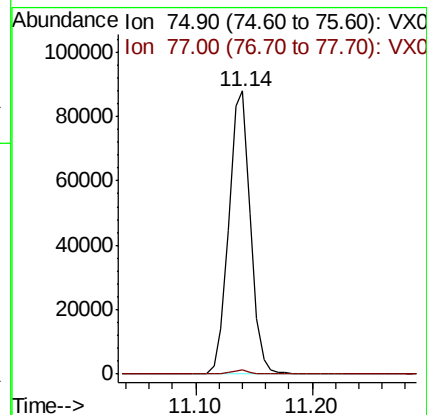
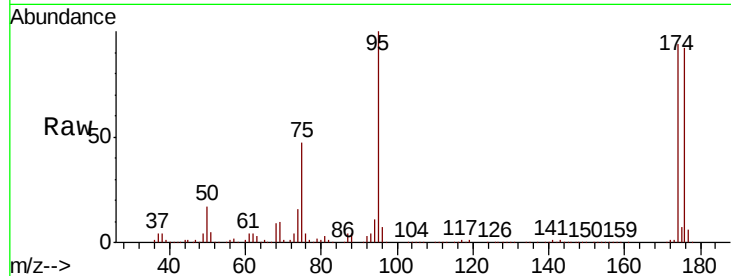
PB112229TB

Tot Ion: 75 Resp: 112530

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.06 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX004170.D

Acq: 21 Aug 2018 12:45

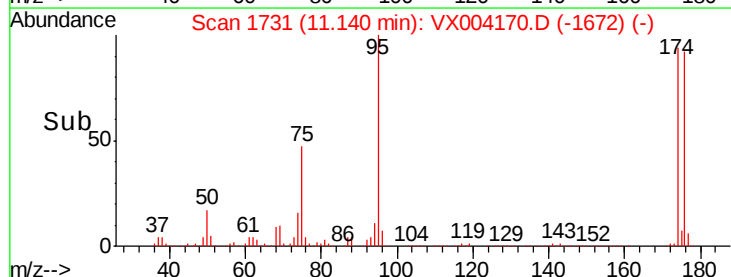
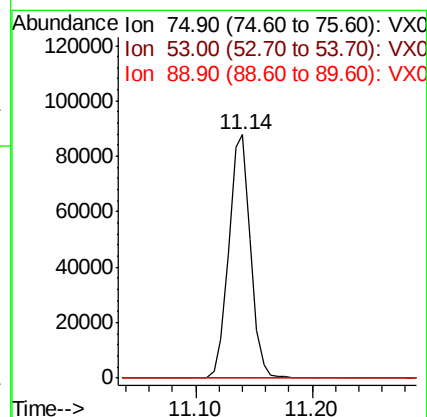
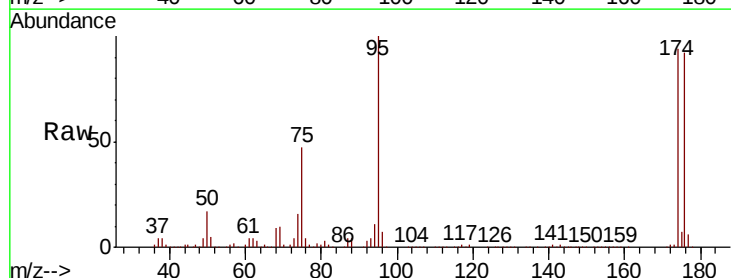
Tgt Ion: 75 Resp: 112530

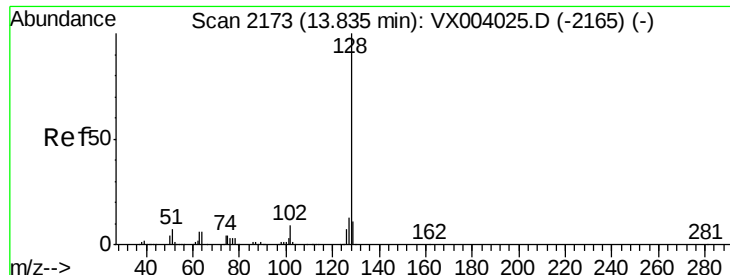
Ion Ratio Lower Upper

75 100

53 0.2 80.3 120.5#

89 0.0 37.8 56.8#





#95

Naphthalene

Concen: 1.18 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004170.D

Acq: 21 Aug 2018 12:45

Instrument :

MSVOA_X

ClientSampleId :

PB112229TB

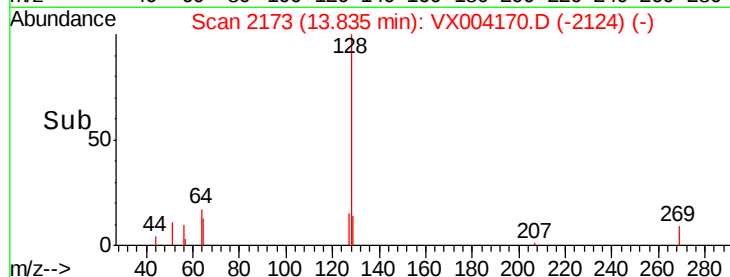
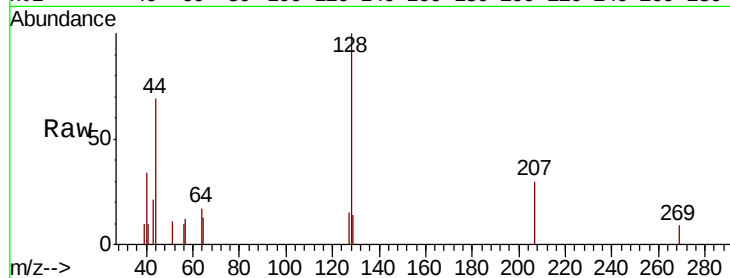
Tot Ion:128 Resp: 689

Ion Ratio Lower Upper

128 100

127 9.3 10.2 15.2#

129 9.4 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

