

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071118\
 Data File : VX003327.D
 Acq On : 11 Jul 2018 18:36
 Operator : JC/MD
 Sample : PB110983ZHE#01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB110983ZHE#01

Quant Time: Jul 12 00:57:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	257151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	391990	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	368652	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	201582	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	181660	44.89	ug/l	0.00
Spiked Amount			Recovery	=	89.78%	
35) Dibromofluoromethane	5.51	113	148044	35.15	ug/l	0.00
Spiked Amount			Recovery	=	70.30%	
50) Toluene-d8	8.72	98	564435	37.73	ug/l	0.00
Spiked Amount			Recovery	=	75.46%	
62) 4-Bromofluorobenzene	11.14	95	190721	34.51	ug/l	0.00
Spiked Amount			Recovery	=	69.02%	

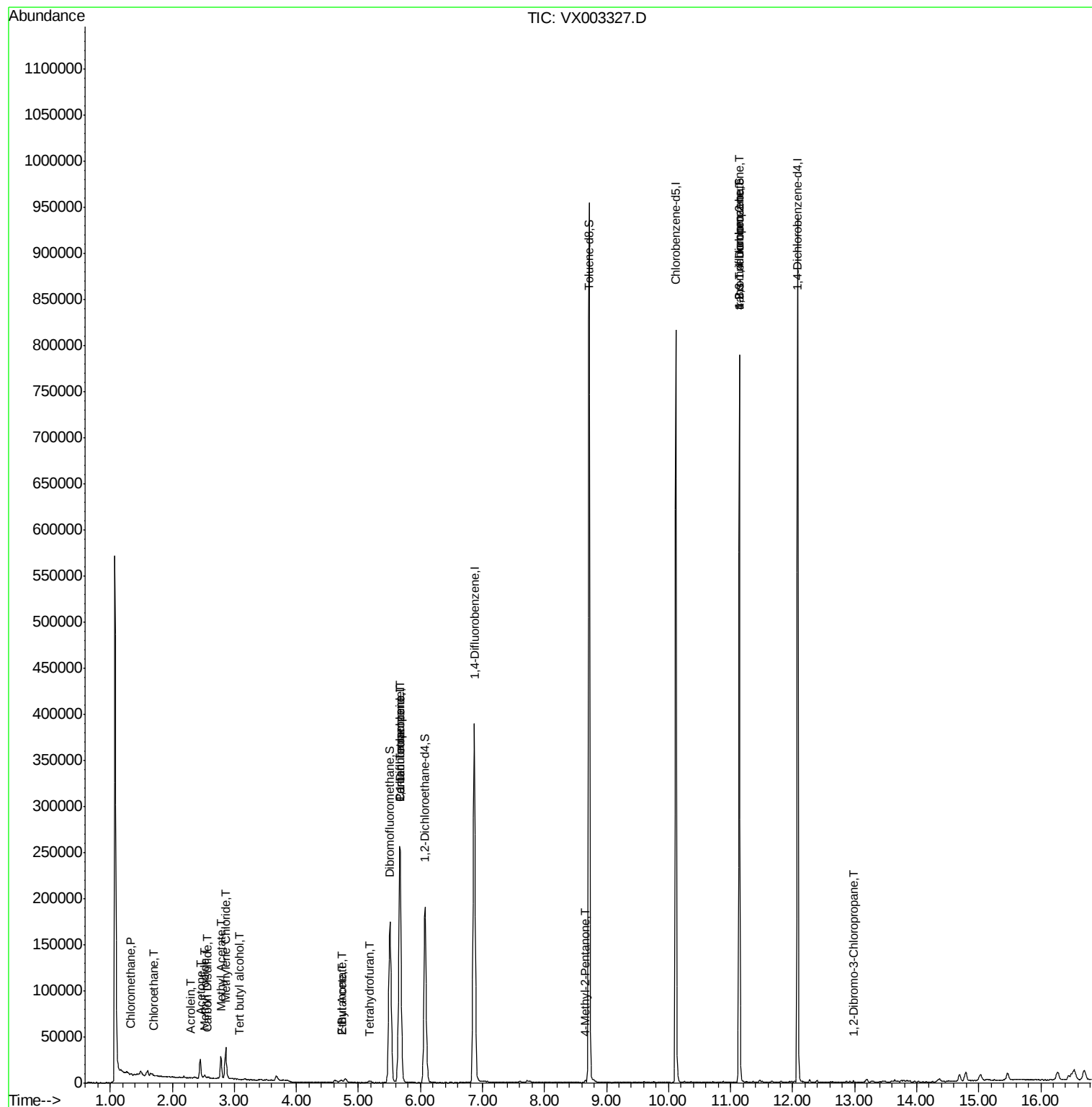
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	762	0.21	ug/l	94
5) Bromomethane	1.65	94	2046	Below	Cal	90
6) Chloroethane	1.70	64	936	0.46	ug/l #	68
10) Methyl Iodide	2.52	142	3945	6.65	ug/l	93
11) Tert butyl alcohol	3.07	59	431	0.59	ug/l #	92
13) Acrolein	2.30	56	336	0.57	ug/l #	14
16) Acetone	2.45	43	23080	16.06	ug/l	91
17) Carbon Disulfide	2.57	76	1662	0.21	ug/l	97
18) Methyl Acetate	2.78	43	27713	6.84	ug/l	95
20) Methylene Chloride	2.86	84	16213	4.87	ug/l	93
25) 2-Butanone	4.72	43	5495	2.16	ug/l	97
29) Tetrahydrofuran	5.18	42	1897	1.15	ug/l	92
36) 1,1-Dichloropropene	5.67	75	17839	3.21	ug/l #	50
37) Ethyl Acetate	4.72	43	5495	0.90	ug/l #	70
38) Carbon Tetrachloride	5.67	117	23221	3.83	ug/l #	16
51) 4-Methyl-2-Pentanone	8.65	43	1628	0.27	ug/l	92
76) 1,2,3-Trichloropropane	11.14	75	96605	22.17	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	96605	72.47	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	12.98	75	292	0.28	ug/l #	1

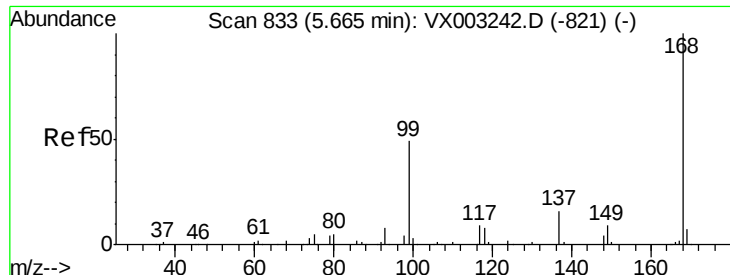
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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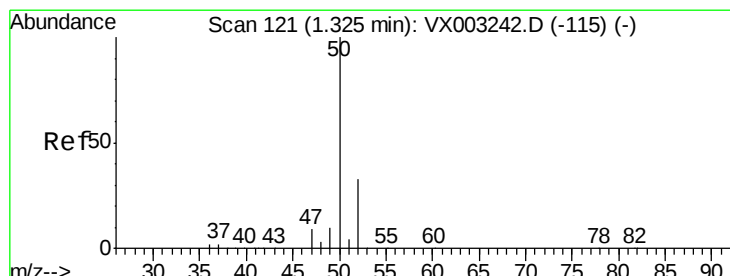
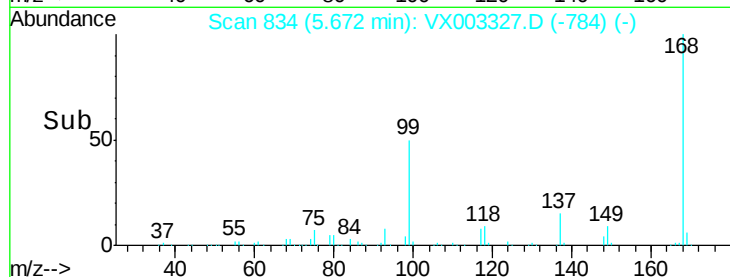
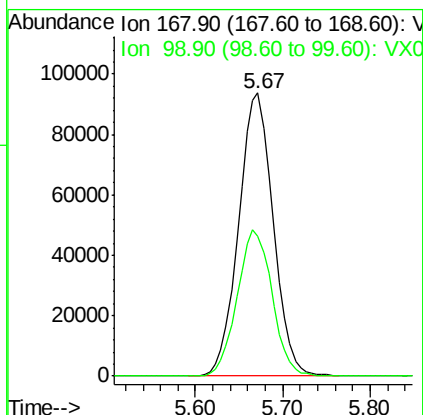
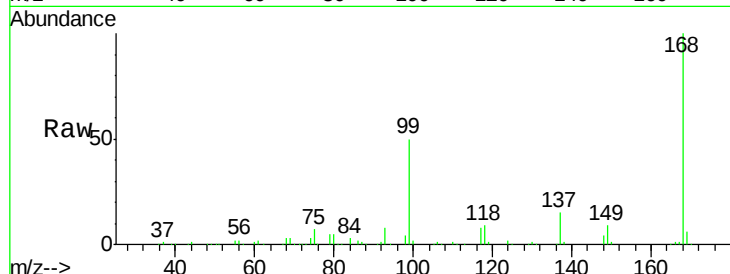




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.01 min
Lab File: VX003327.D
Acq: 11 Jul 2018 18:36

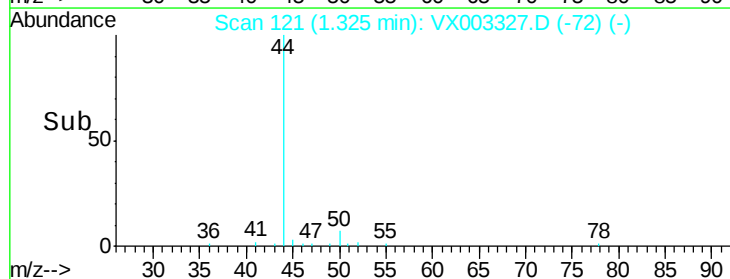
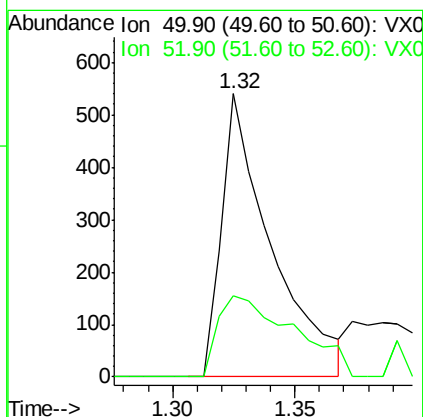
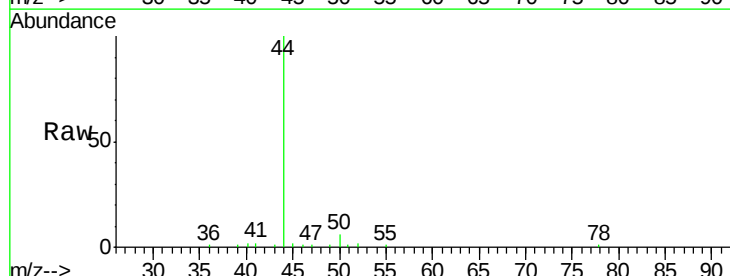
Instrument :
MSVOA_X
ClientSampleId :
PB110983ZHE#01

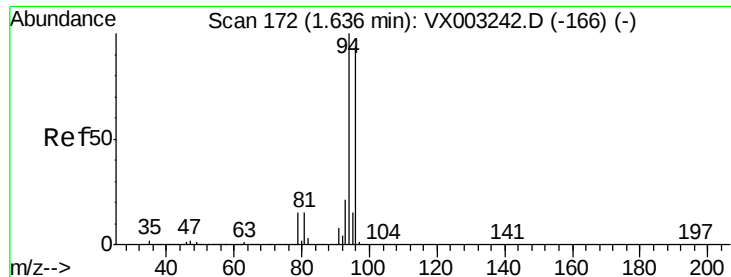
Tot Ion:168 Resp: 257151
Ion Ratio Lower Upper
168 100
99 49.5 39.3 58.9



#3
Chloromethane
Concen: 0.21 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX003327.D
Acq: 11 Jul 2018 18:36

Tgt Ion: 50 Resp: 762
Ion Ratio Lower Upper
50 100
52 28.7 25.7 38.5





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003327.D

Acq: 11 Jul 2018 18:36

Instrument :

MSVOA_X

ClientSampleId :

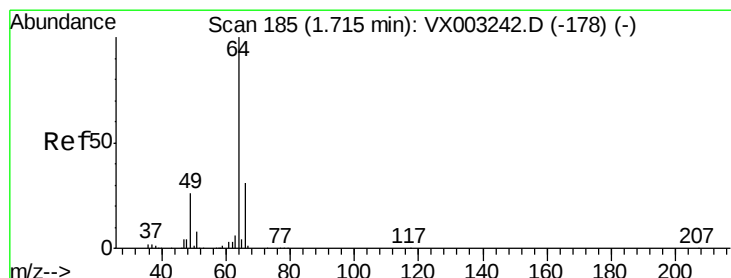
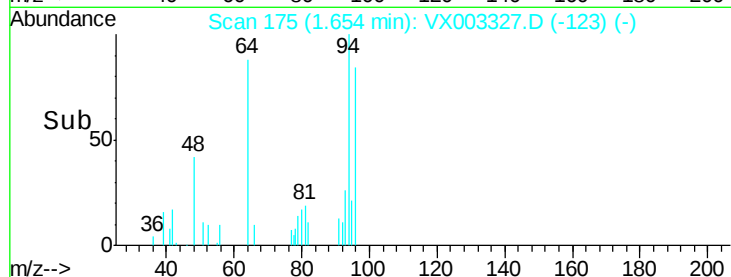
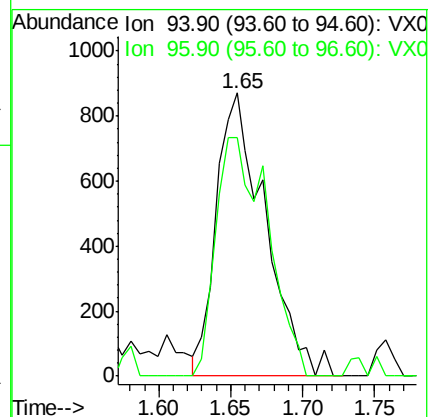
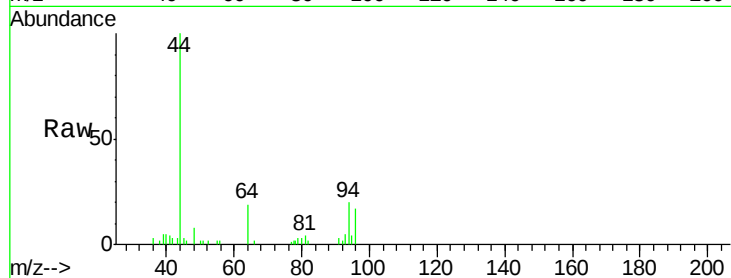
PB110983ZHE#01

Tot Ion: 94 Resp: 2046

Ion Ratio Lower Upper

94 100

96 84.2 74.9 112.3



#6

Chloroethane

Concen: 0.46 ug/l

RT: 1.70 min Scan# 182

Delta R.T. -0.01 min

Lab File: VX003327.D

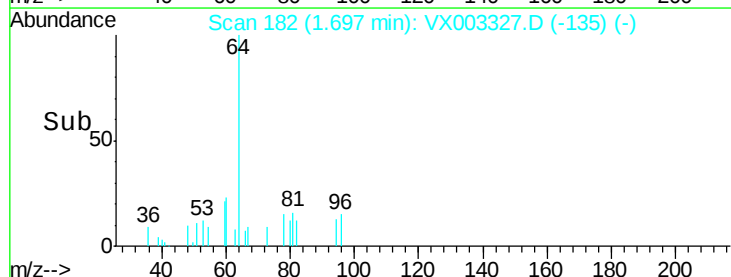
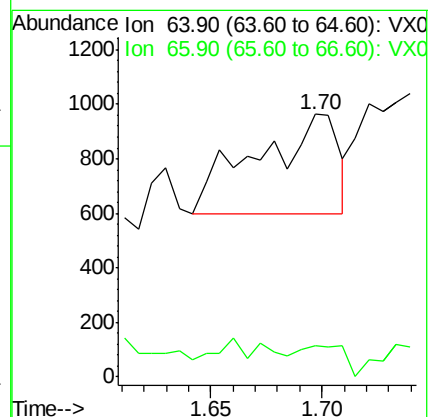
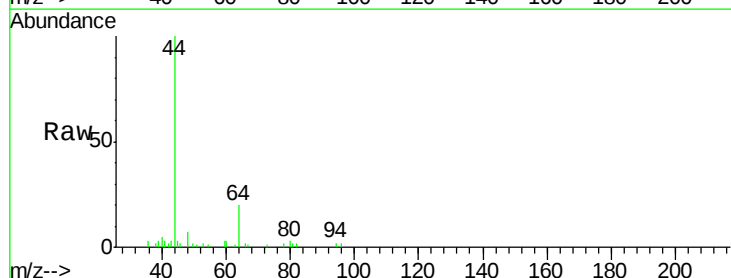
Acq: 11 Jul 2018 18:36

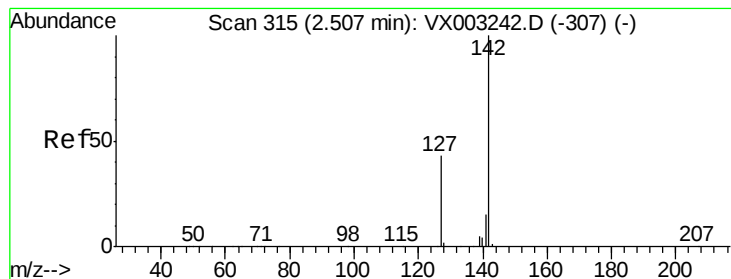
Tgt Ion: 64 Resp: 936

Ion Ratio Lower Upper

64 100

66 14.2 25.5 38.3#





#10

Methvl Iodide

Concen: 6.65 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003327.D

Acq: 11 Jul 2018 18:36

Instrument :

MSVOA_X

ClientSampleId :

PB110983ZHE#01

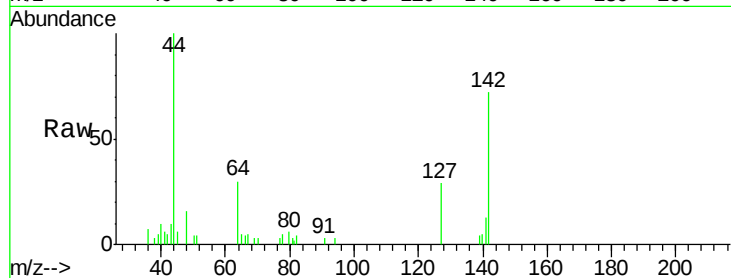
Tot Ion:142 Resp: 3945

Ion Ratio Lower Upper

142 100

127 40.4 36.6 55.0

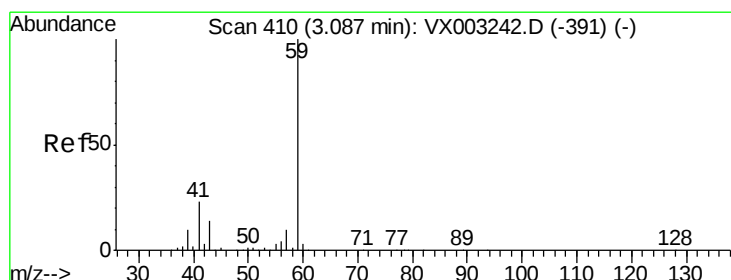
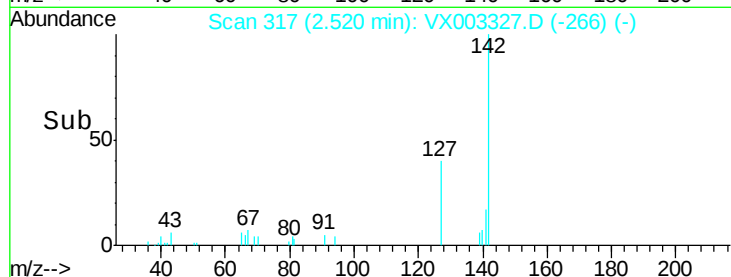
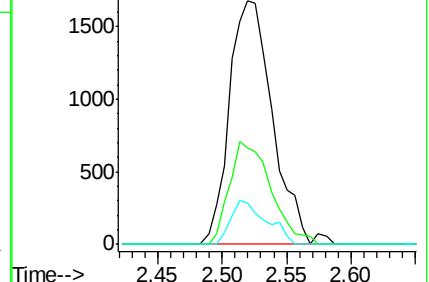
141 14.9 11.3 16.9



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: 0.59 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.02 min

Lab File: VX003327.D

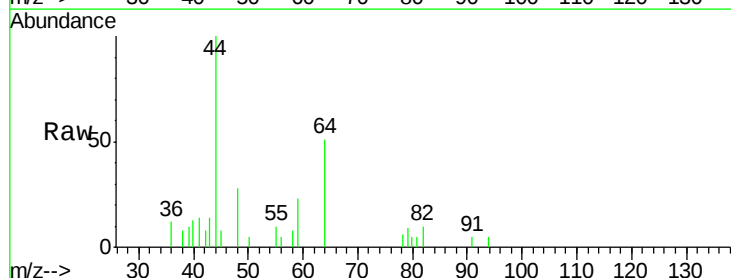
Acq: 11 Jul 2018 18:36

Tgt Ion: 59 Resp: 431

Ion Ratio Lower Upper

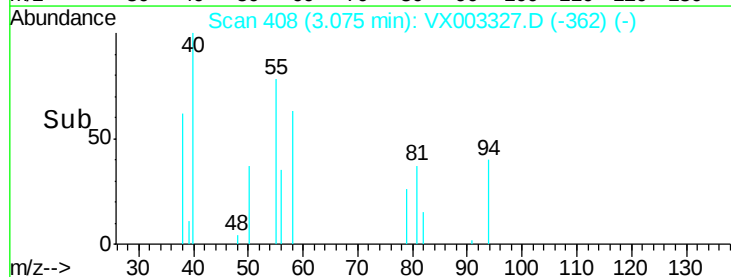
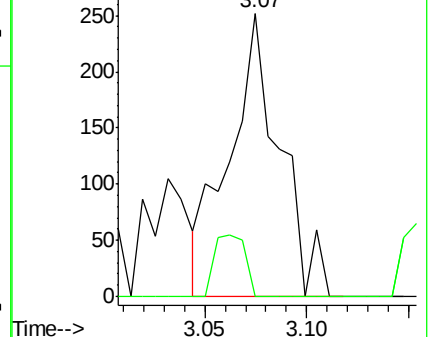
59 100

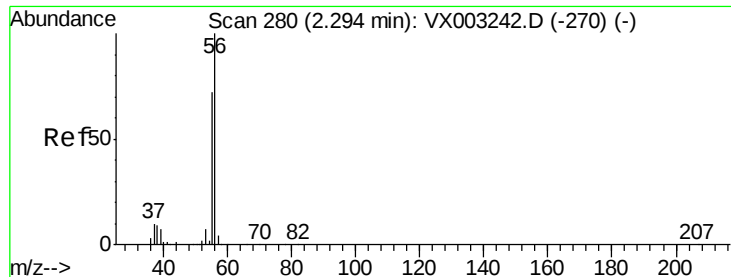
57 13.2 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.57 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003327.D

Acq: 11 Jul 2018 18:36

Instrument :

MSVOA_X

ClientSampleId :

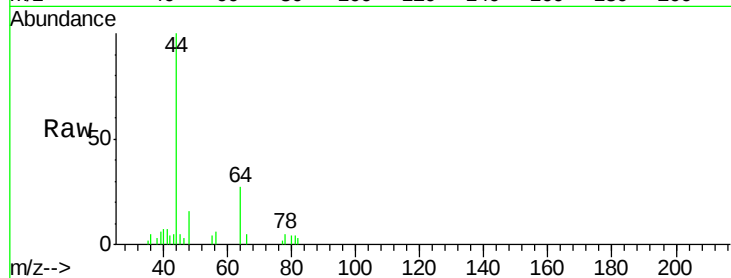
PB110983ZHE#01

Tot Ion: 56 Resp: 336

Ion Ratio Lower Upper

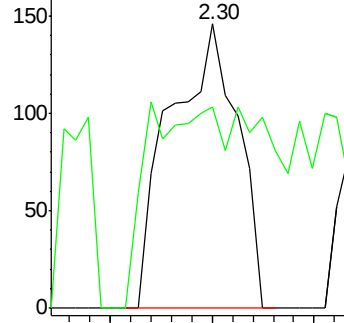
56 100

55 0.0 57.0 85.4#

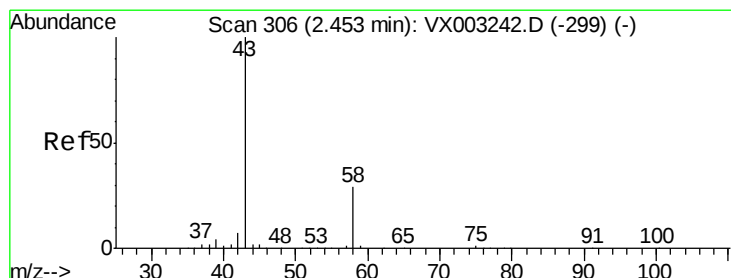
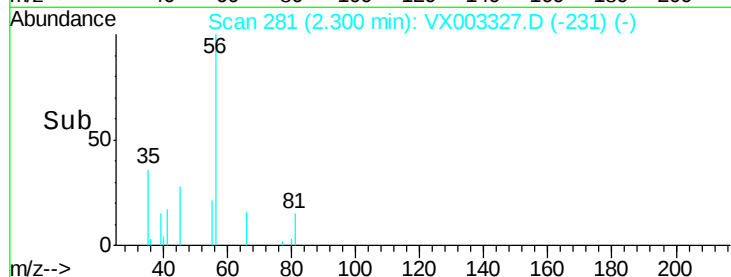


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 16.06 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX003327.D

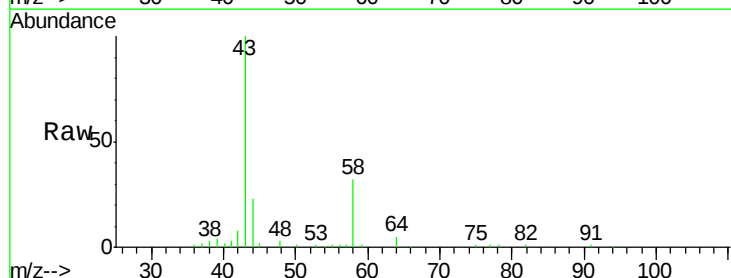
Acq: 11 Jul 2018 18:36

Tgt Ion: 43 Resp: 23080

Ion Ratio Lower Upper

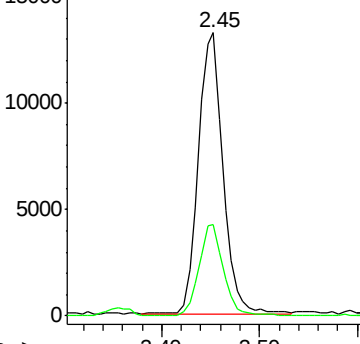
43 100

58 32.3 22.1 33.1

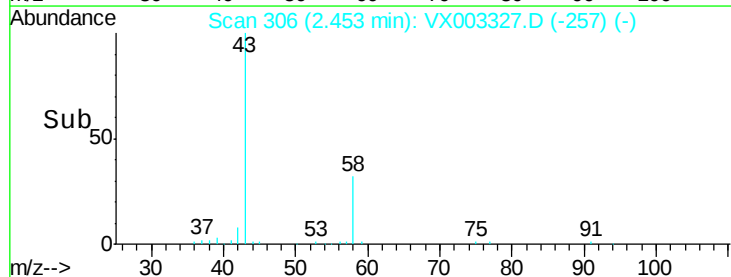


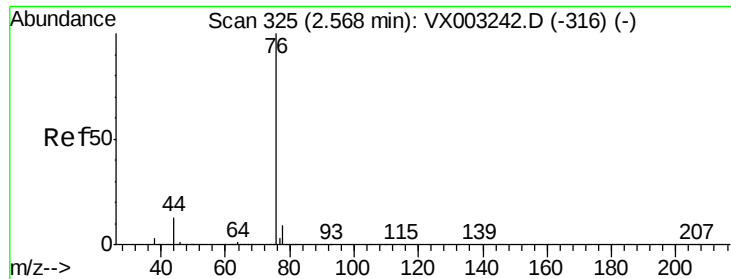
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

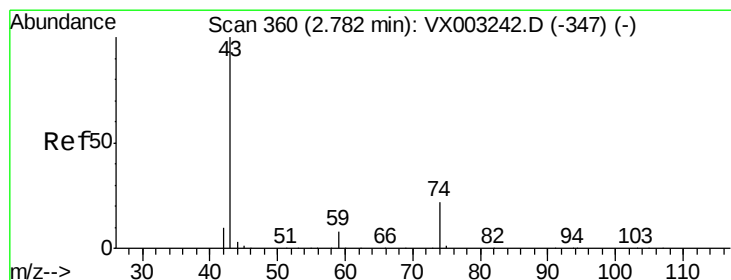
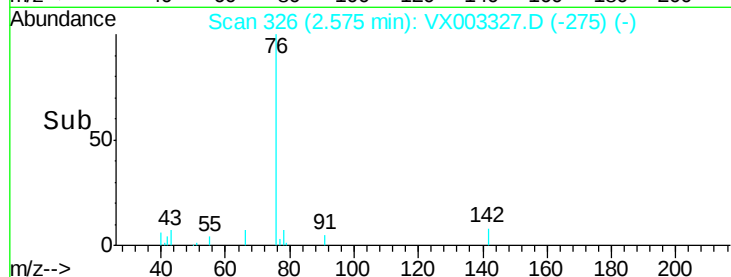
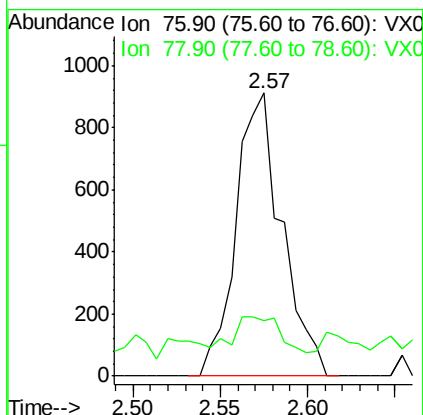
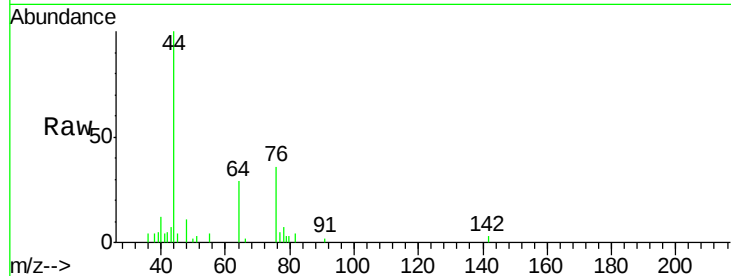




#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX003327.D
Acq: 11 Jul 2018 18:36

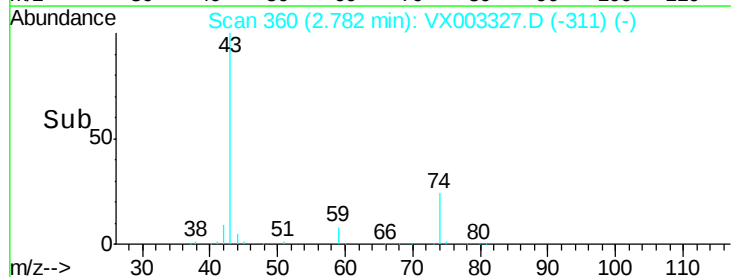
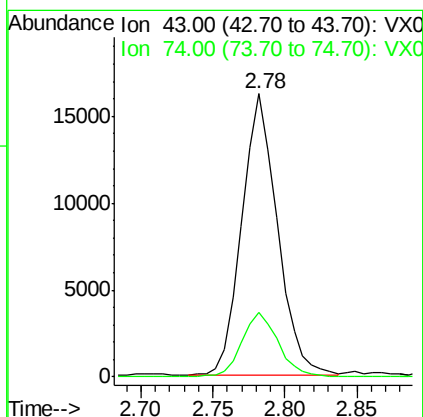
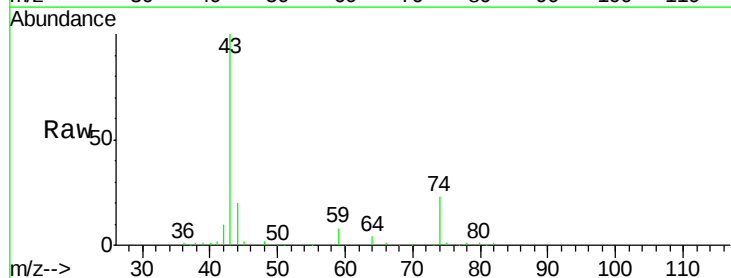
Instrument :
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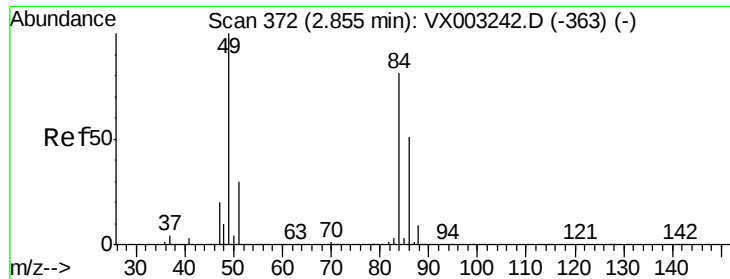
Tot Ion: 76 Resp: 1662
Ion Ratio Lower Upper
76 100
78 7.5 6.9 10.3



#18
Methyl Acetate
Concen: 6.84 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003327.D
Acq: 11 Jul 2018 18:36

Tgt Ion: 43 Resp: 27713
Ion Ratio Lower Upper
43 100
74 23.4 16.7 25.1





#20

Methylene Chloride

Concen: 4.87 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003327.D

Acq: 11 Jul 2018 18:36

Instrument :

MSVOA_X

ClientSampleId :

PB110983ZHE#01

Tot Ion: 84 Resp: 16213

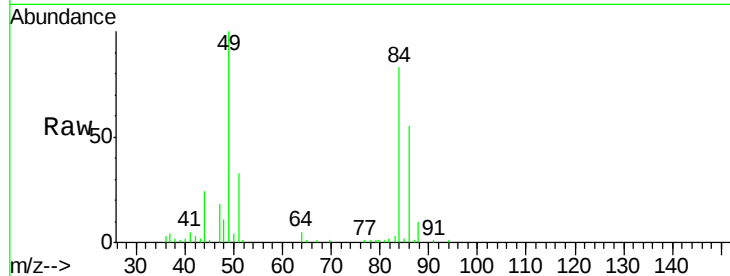
Ion Ratio Lower Upper

84 100

49 120.2 107.8 161.6

51 40.0 32.8 49.2

86 65.9 52.5 78.7

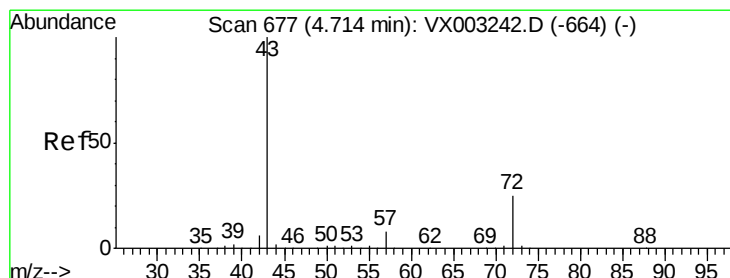
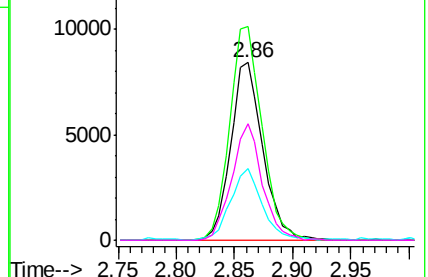
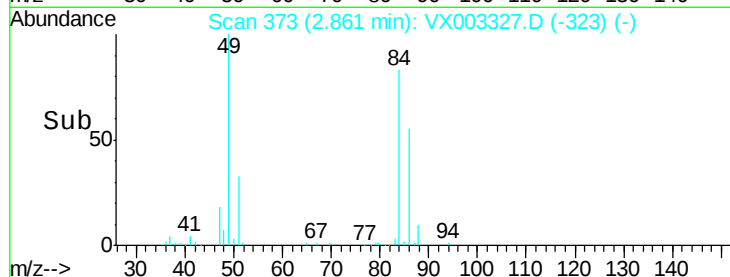


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 2.16 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003327.D

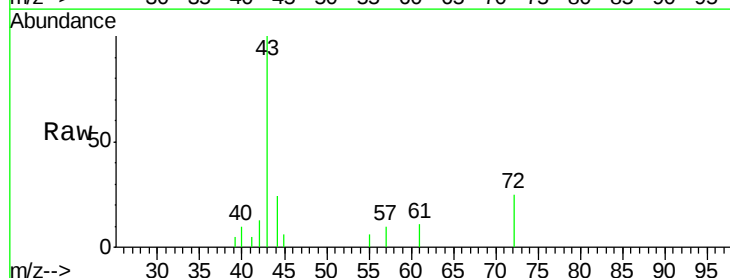
Acq: 11 Jul 2018 18:36

Tgt Ion: 43 Resp: 5495

Ion Ratio Lower Upper

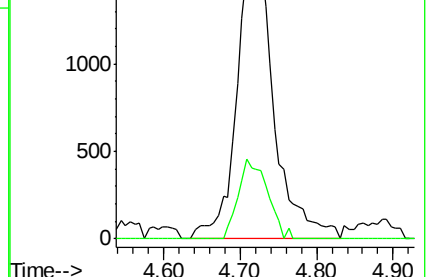
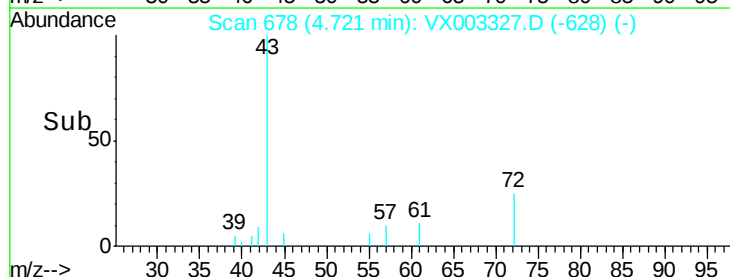
43 100

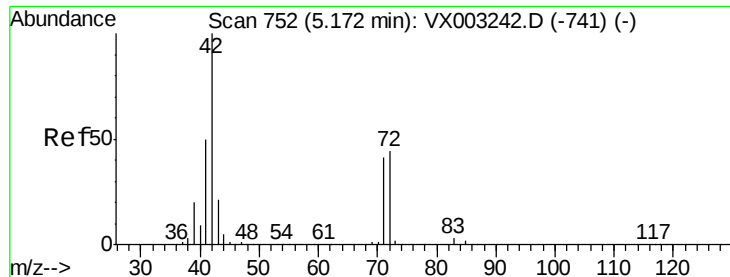
72 24.6 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

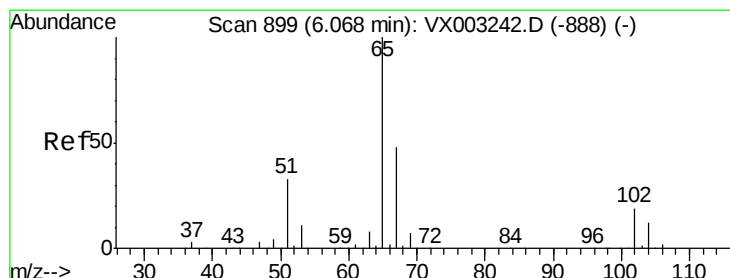
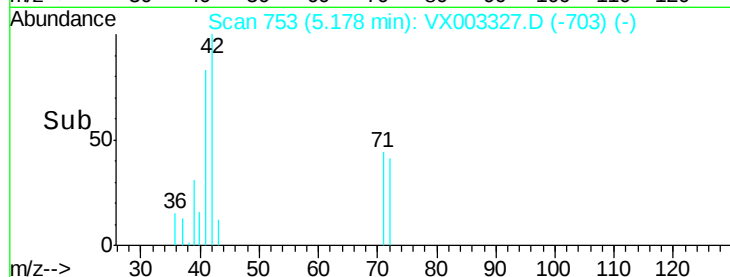
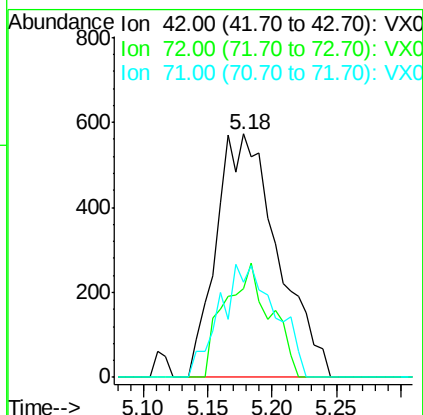
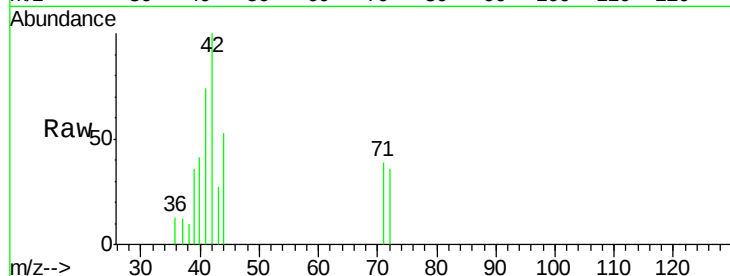




#29
Tetrahydrofuran
Concen: 1.15 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX003327.D
Acq: 11 Jul 2018 18:36

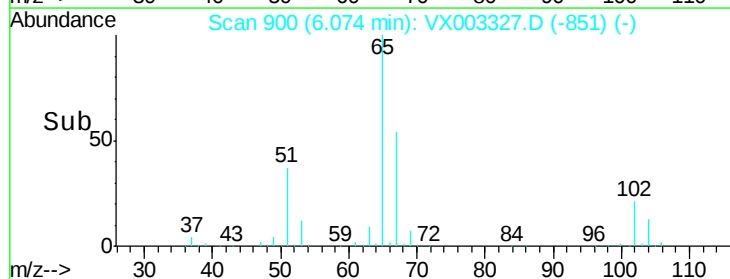
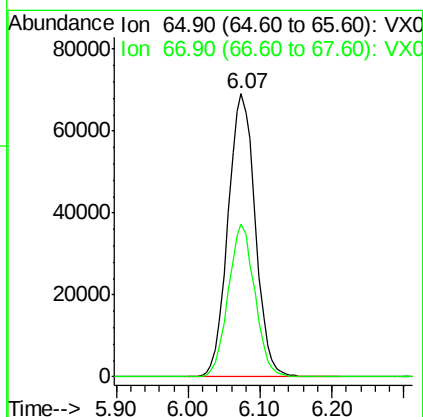
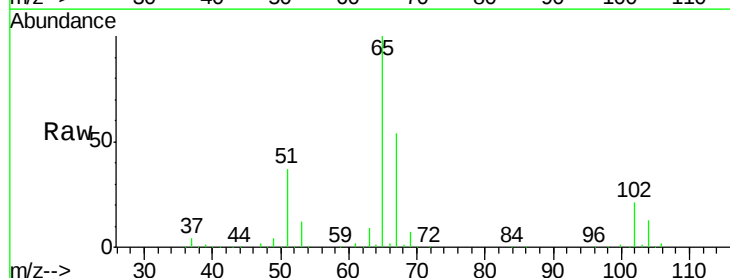
Instrument :
MSVOA_X
ClientSampleId :
PB110983ZHE#01

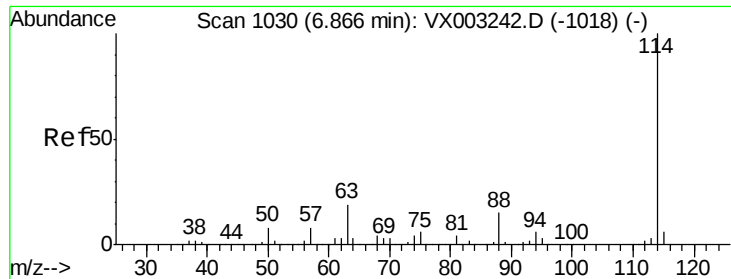
Tot Ion: 42 Resp: 1897
Ion Ratio Lower Upper
42 100
72 35.1 32.0 48.0
71 42.4 30.1 45.1



#33
1,2-Dichloroethane-d4
Concen: 44.89 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX003327.D
Acq: 11 Jul 2018 18:36

Tgt Ion: 65 Resp: 181660
Ion Ratio Lower Upper
65 100
67 52.4 0.0 102.6

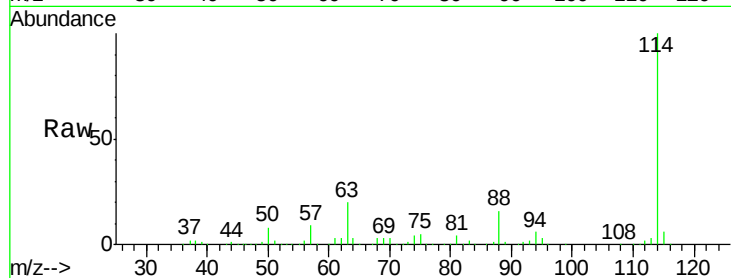




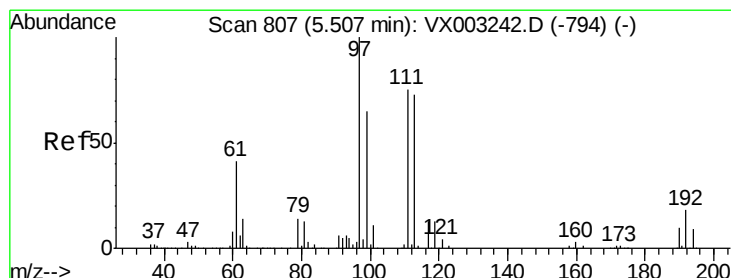
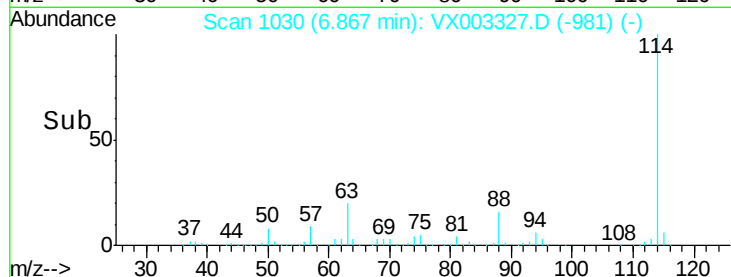
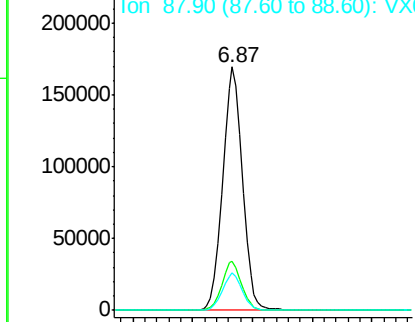
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003327.D
 Acq: 11 Jul 2018 18:36

Instrument :
 MSVOA_X
 ClientSampleId :
 PB110983ZHE#01

Tot Ion:114 Resp: 391990
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.4
 88 15.6 0.0 30.0

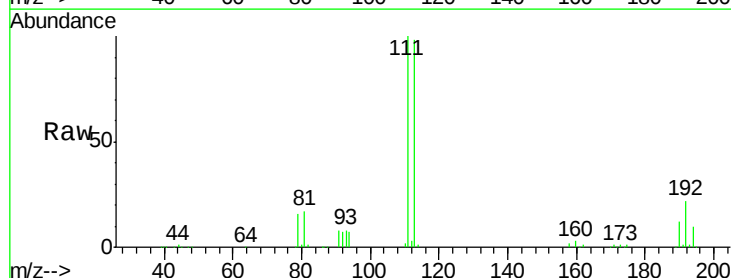


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

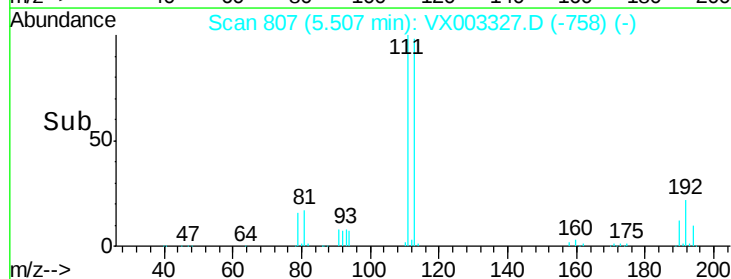
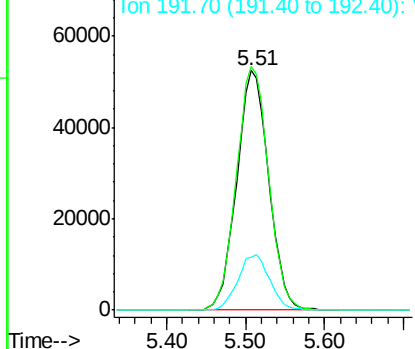


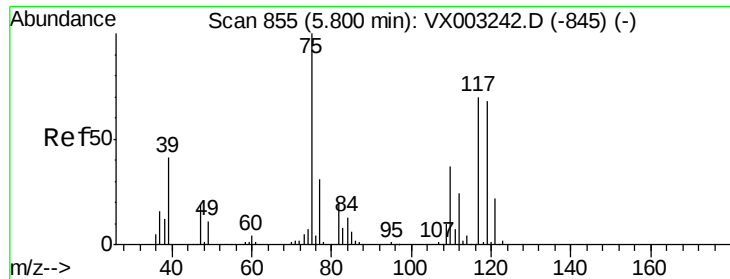
#35
 Dibromofluoromethane
 Concen: 35.15 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003327.D
 Acq: 11 Jul 2018 18:36

Tgt Ion:113 Resp: 148044
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.4 122.0
 192 23.0 19.1 28.7



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

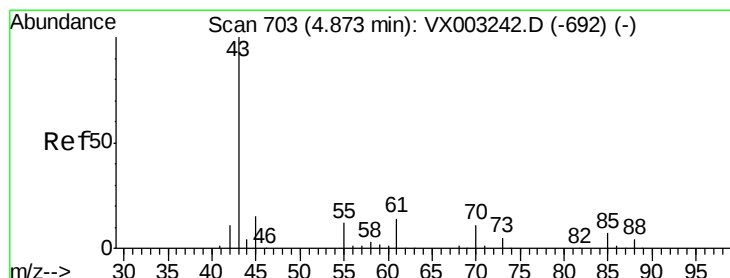
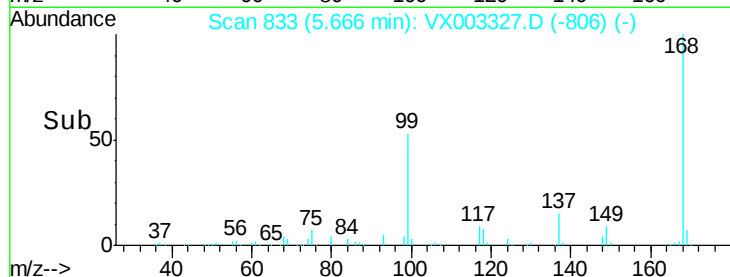
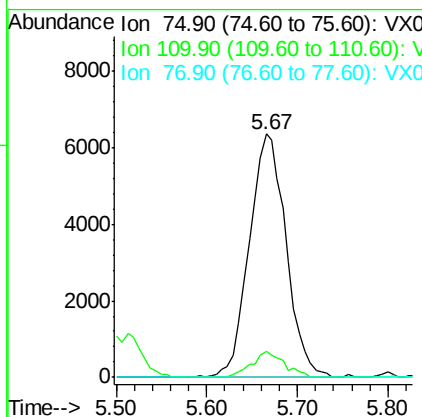
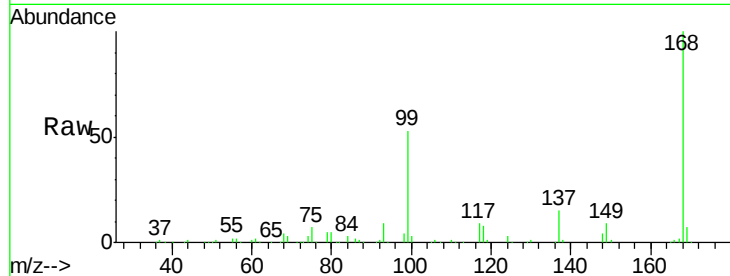




#36
 1,1-Dichloropropene
 Concen: 3.21 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003327.D
 Acq: 11 Jul 2018 18:36

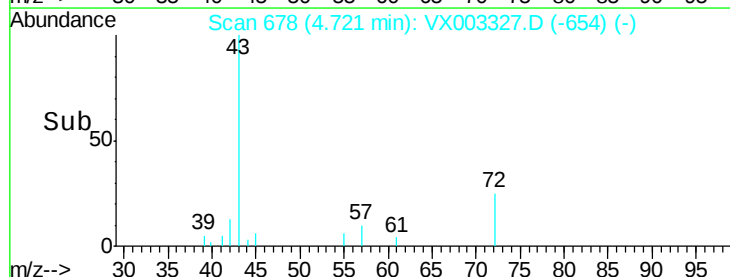
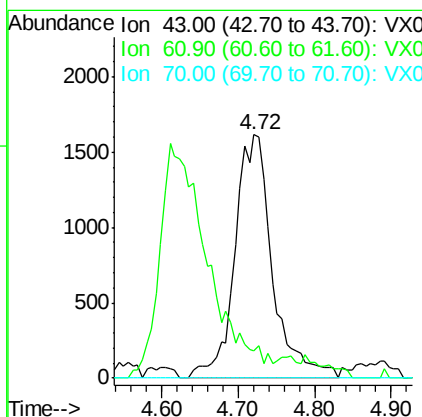
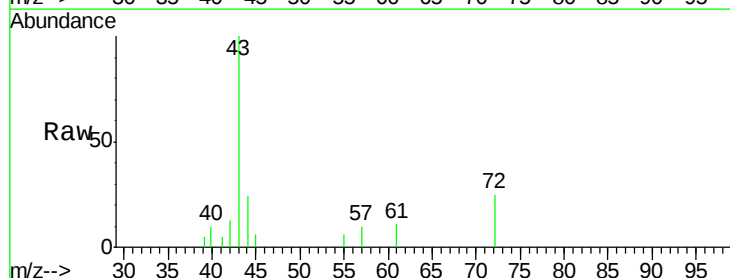
Instrument :
 MSVOA_X
 ClientSampleId :
 PB110983ZHE#01

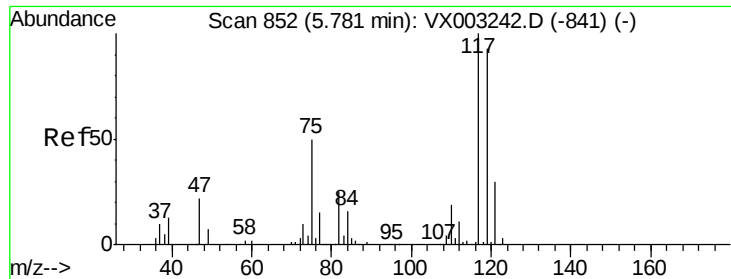
Tot Ion: 75 Resp: 17839
 Ion Ratio Lower Upper
 75 100
 110 9.4 18.1 54.4#
 77 0.0 24.3 36.5#



#37
 Ethyl Acetate
 Concen: 0.90 ug/l
 RT: 4.72 min Scan# 678
 Delta R.T. -0.15 min
 Lab File: VX003327.D
 Acq: 11 Jul 2018 18:36

Tgt Ion: 43 Resp: 5495
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.4 15.6#
 70 0.0 7.6 11.4#





#38

Carbon Tetrachloride

Concen: 3.83 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003327.D

Acq: 11 Jul 2018 18:36

Instrument :

MSVOA_X

ClientSampleId :

PB110983ZHE#01

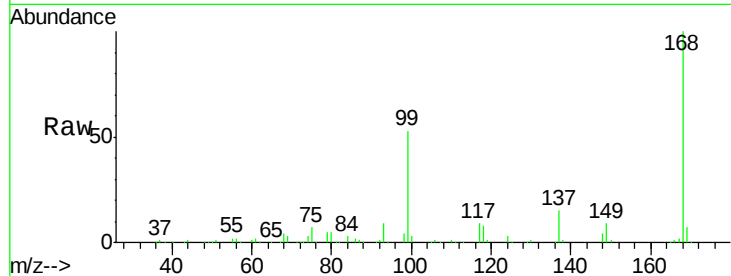
Tot Ion:117 Resp: 23221

Ion Ratio Lower Upper

117 100

119 5.5 77.4 116.0#

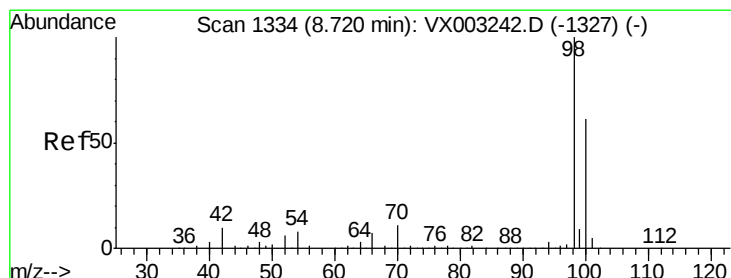
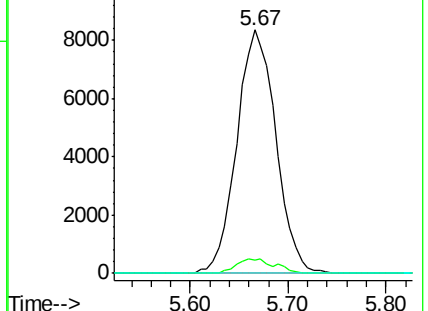
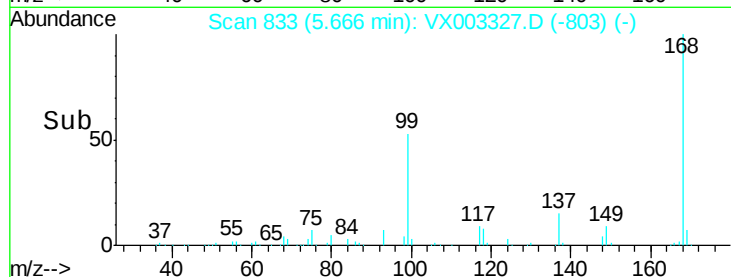
121 0.0 24.4 36.6#



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: 37.73 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003327.D

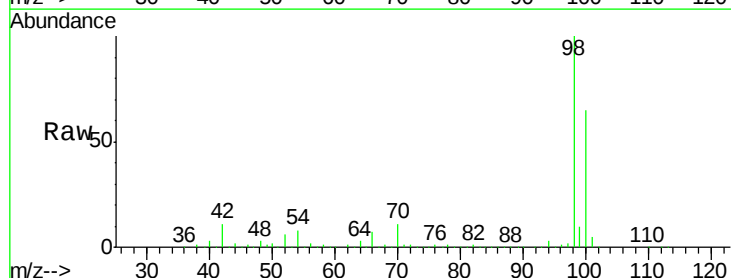
Acq: 11 Jul 2018 18:36

Tgt Ion: 98 Resp: 564435

Ion Ratio Lower Upper

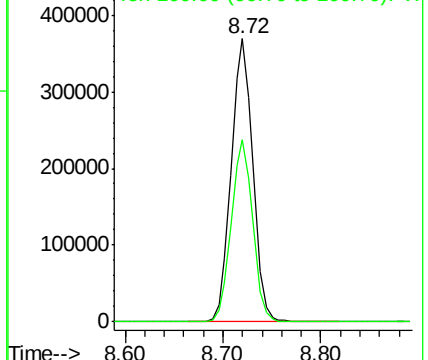
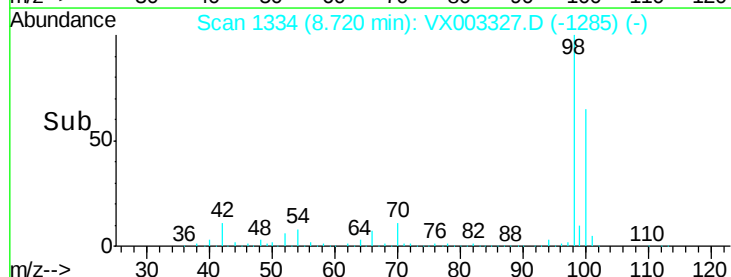
98 100

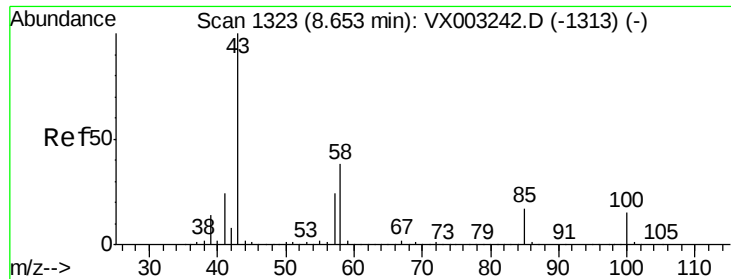
100 63.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.27 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX003327.D

Acq: 11 Jul 2018 18:36

Instrument :

MSVOA_X

ClientSampleId :

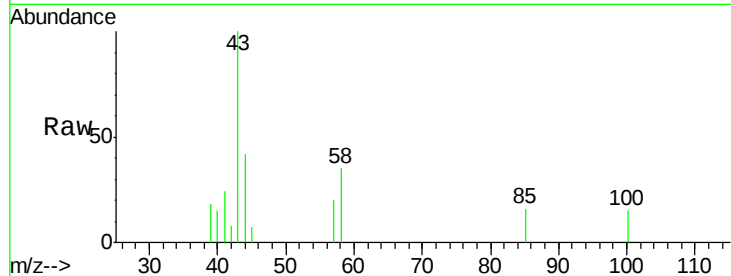
PB110983ZHE#01

Tot Ion: 43 Resp: 1628

Ion Ratio Lower Upper

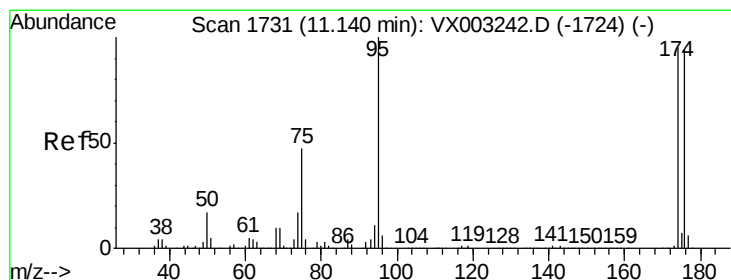
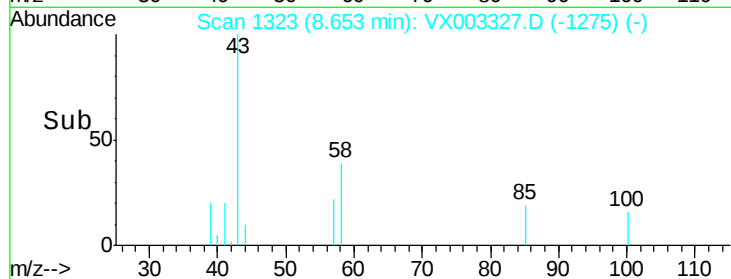
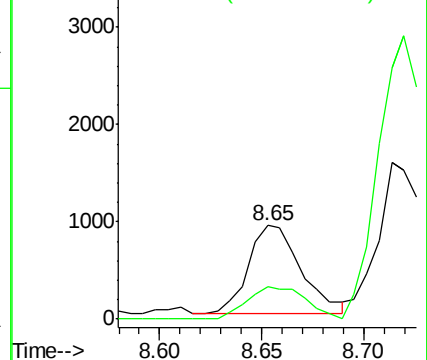
43 100

58 40.4 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 34.51 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003327.D

Acq: 11 Jul 2018 18:36

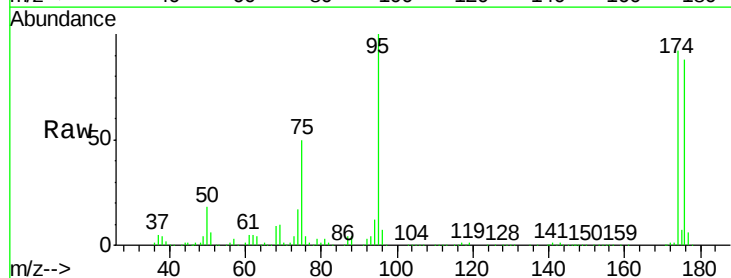
Tgt Ion: 95 Resp: 190721

Ion Ratio Lower Upper

95 100

174 94.0 0.0 187.4

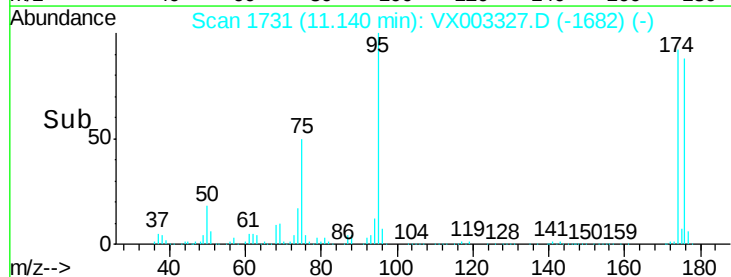
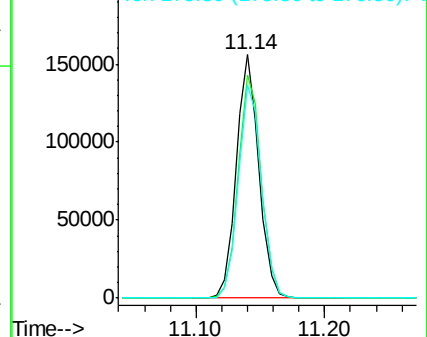
176 90.2 0.0 181.0

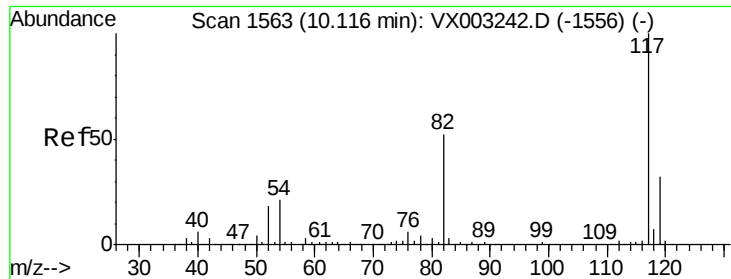


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

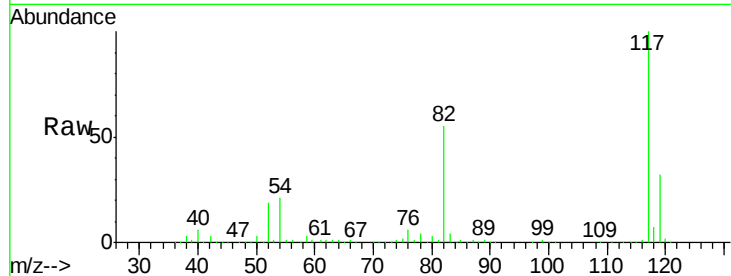




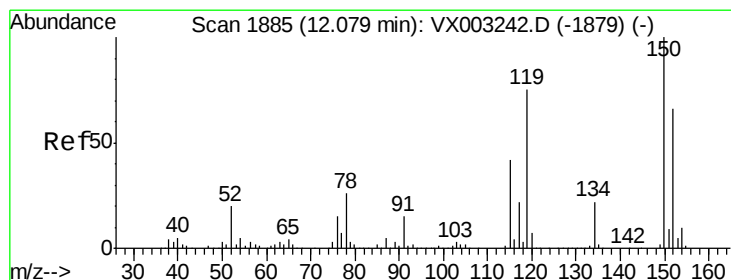
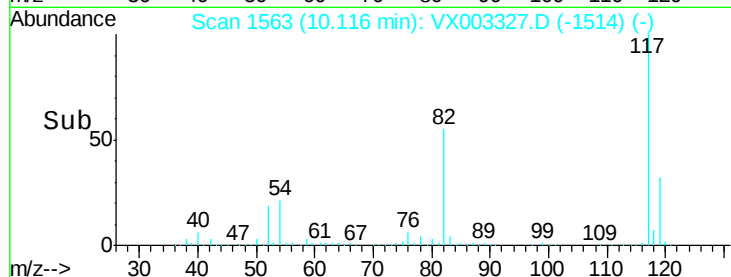
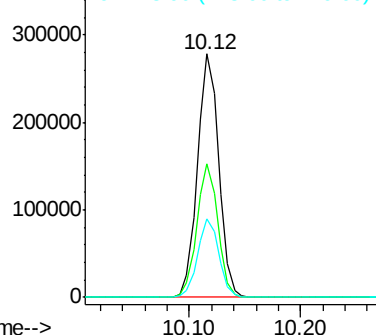
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003327.D
Acq: 11 Jul 2018 18:36

Instrument :
MSVOA_X
ClientSampleId :
PB110983ZHE#01

Tot Ion:117 Resp: 368652
Ion Ratio Lower Upper
117 100
82 55.0 45.0 67.4
119 32.1 25.8 38.6

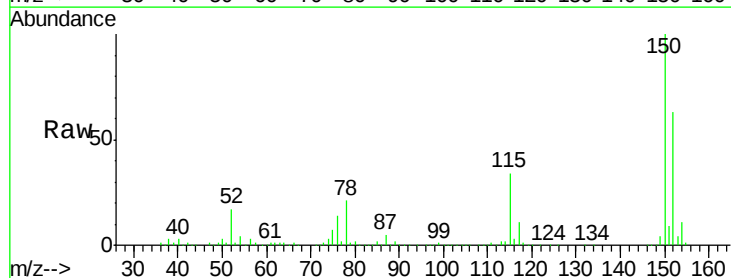


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

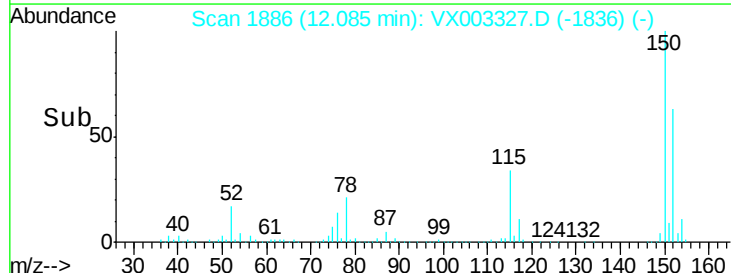
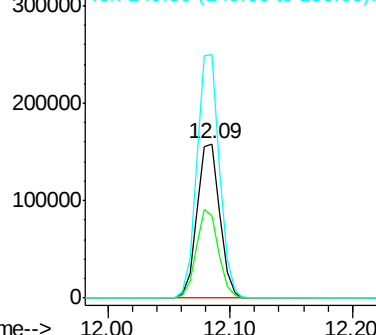


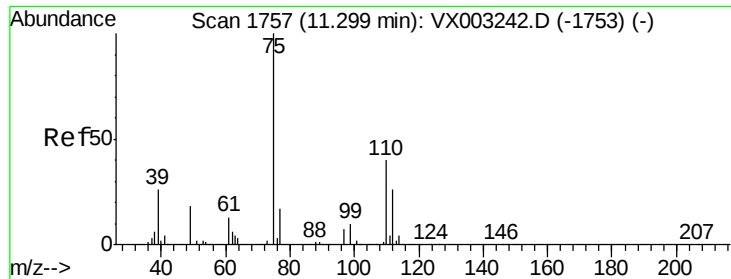
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VX003327.D
Acq: 11 Jul 2018 18:36

Tgt Ion:152 Resp: 201582
Ion Ratio Lower Upper
152 100
115 55.7 40.1 120.2
150 157.2 0.0 347.2



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

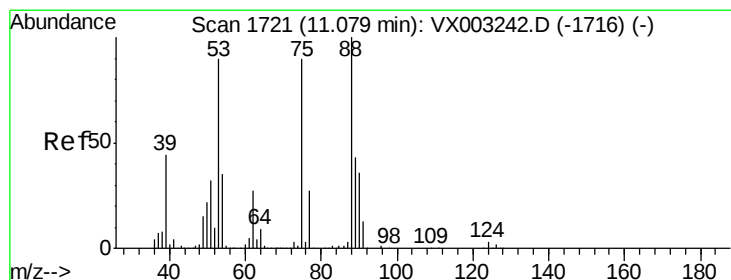
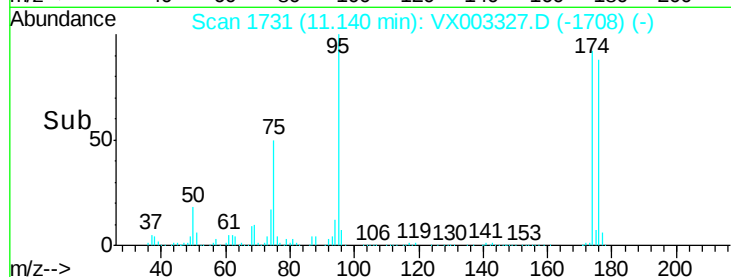
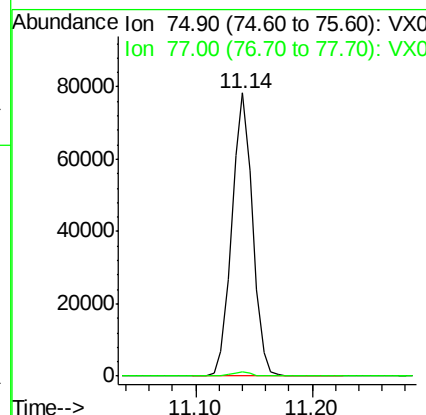
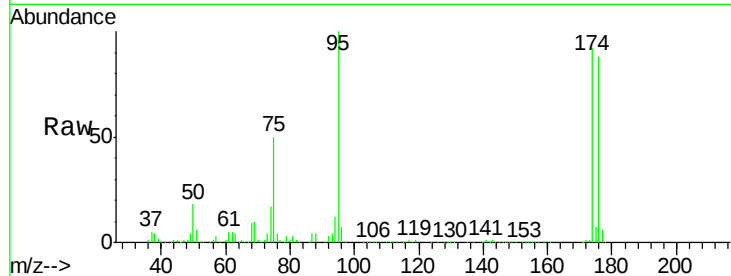




#76
 1,2,3-Trichloropropane
 Concen: 22.17 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003327.D
 Acq: 11 Jul 2018 18:36

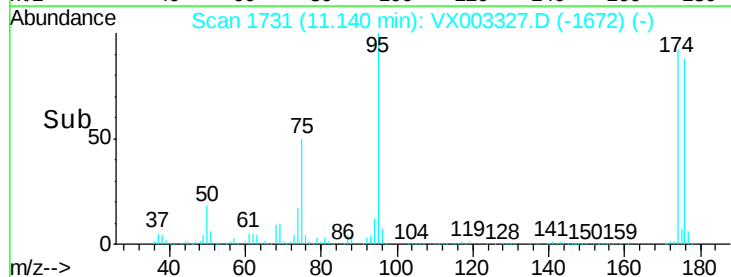
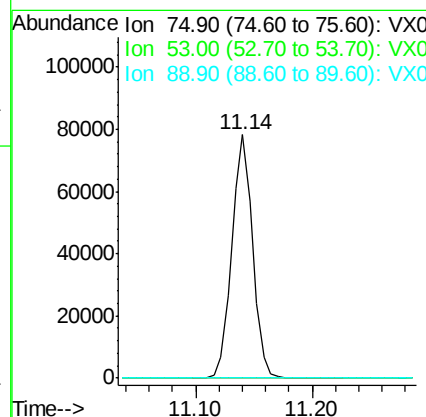
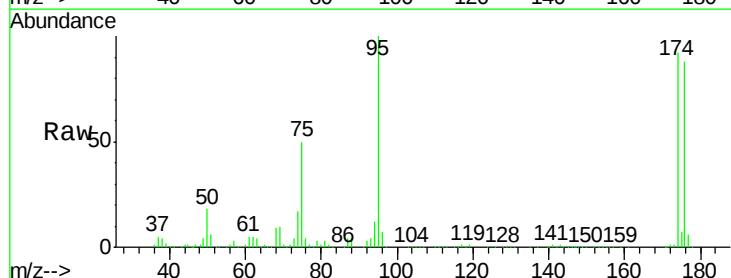
Instrument :
 MSVOA_X
 ClientSampleId :
 PB110983ZHE#01

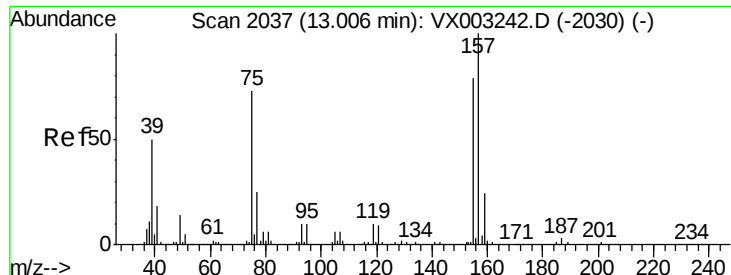
Tot Ion: 75 Resp: 96605
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.47 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003327.D
 Acq: 11 Jul 2018 18:36

Tgt Ion: 75 Resp: 96605
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.8 130.2#
 89 0.0 38.2 57.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.28 ug/l

RT: 12.98 min Scan# 2032

Delta R.T. -0.03 min

Lab File: VX003327.D

Acq: 11 Jul 2018 18:36

Instrument :

MSVOA_X

ClientSampleId :

PB110983ZHE#01

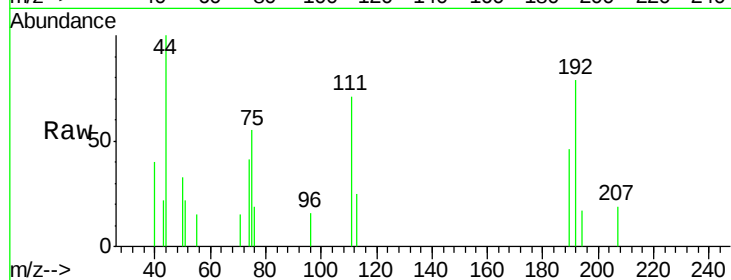
Tot Ion: 75 Resp: 292

Ion Ratio Lower Upper

75 100

155 0.0 45.8 137.4#

157 0.0 60.1 180.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

