

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101618\
 Data File : VX005370.D
 Acq On : 16 Oct 2018 15:58
 Operator : JC/MD
 Sample : I.BLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 I.BLK

Quant Time: Oct 17 04:57:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	303281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	423364	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	383211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192290	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	167409	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
35) Dibromofluoromethane	5.50	113	144395	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
50) Toluene-d8	8.71	98	509442	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
62) 4-Bromofluorobenzene	11.14	95	171371	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	

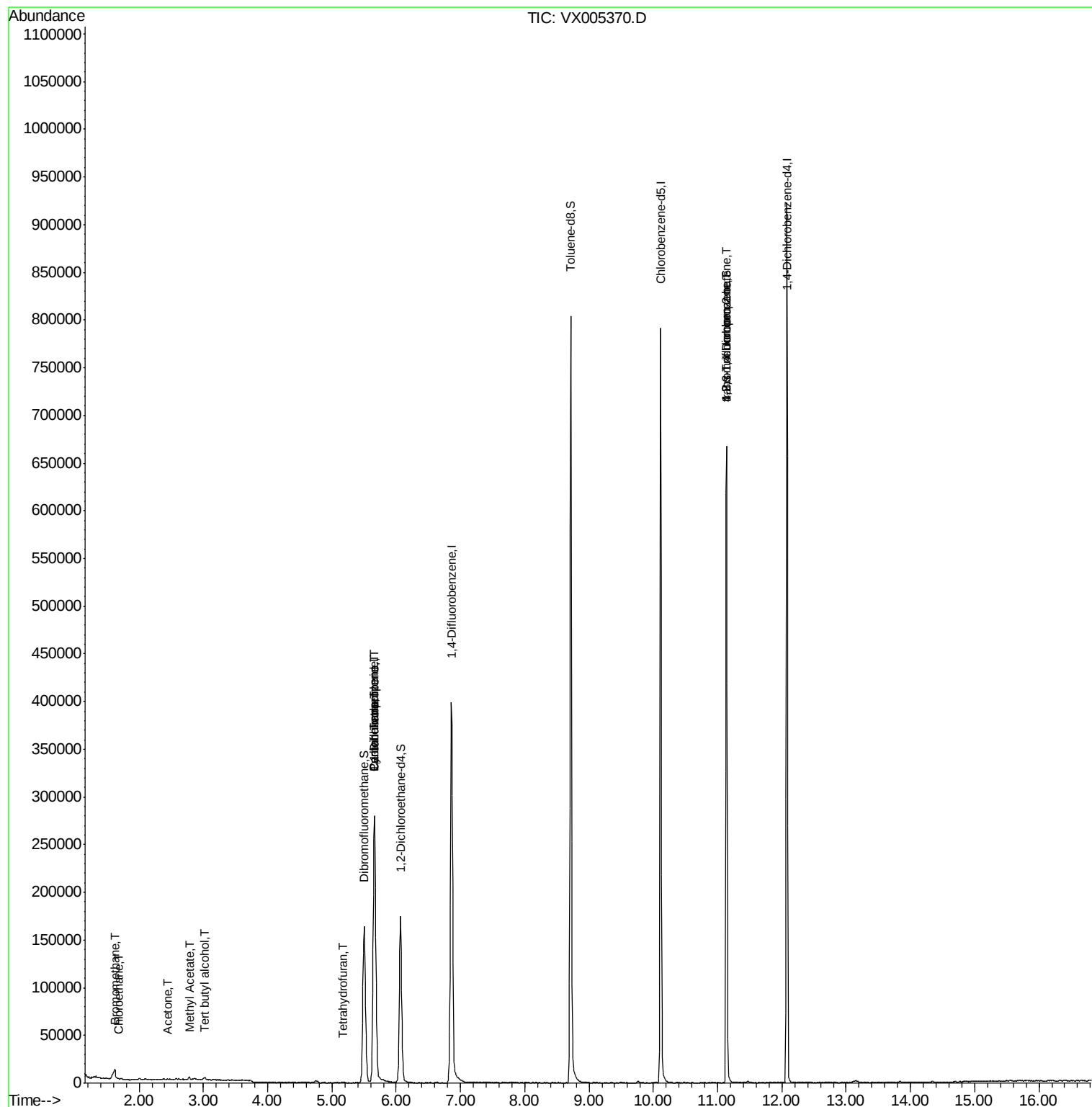
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	497	0.834	ug/l #	71
6) Chloroethane	1.70	64	94	0.376	ug/l #	44
11) Tert butyl alcohol	3.03	59	1800	1.896	ug/l #	79
13) Acrolein	2.29	56	23	Below Cal	#	1
16) Acetone	2.44	43	570	0.293	ug/l #	87
18) Methyl Acetate	2.78	43	3327	0.601	ug/l	99
20) Methylene Chloride	2.85	84	269	Below Cal	#	88
29) Tetrahydrofuran	5.17	42	445	0.245	ug/l #	43
31) Cyclohexane	5.66	56	5037	1.089	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	19807	4.831	ug/l #	50
38) Carbon Tetrachloride	5.66	117	25918	6.291	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	84678	22.703	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	84678	68.981	ug/l #	10

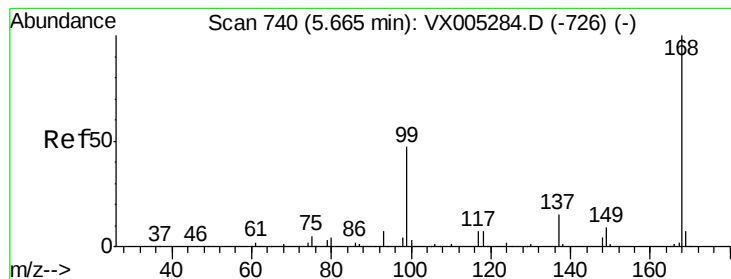
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005370.D

Acq: 16 Oct 2018 15:58

Instrument :

MSVOA_X

ClientSampleId :

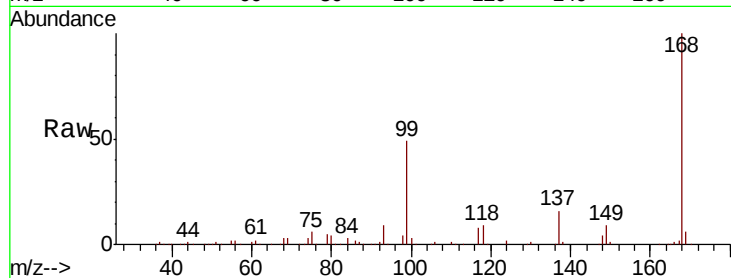
I.BLK

Tgt Ion: 168 Resp: 303281

Ion Ratio Lower Upper

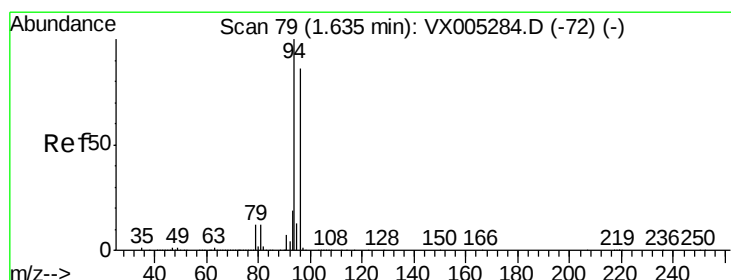
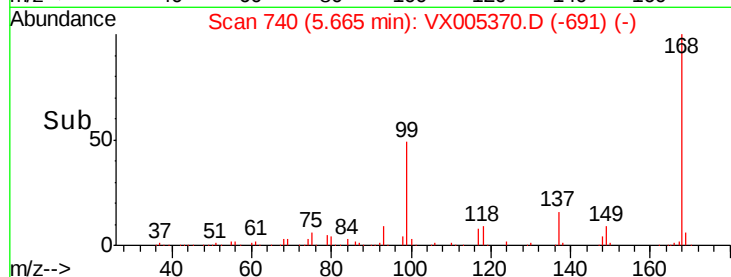
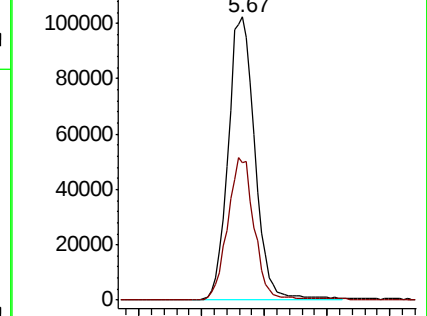
168 100

99 48.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.834 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005370.D

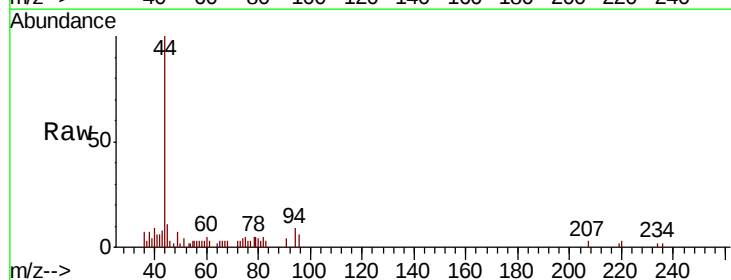
Acq: 16 Oct 2018 15:58

Tgt Ion: 94 Resp: 497

Ion Ratio Lower Upper

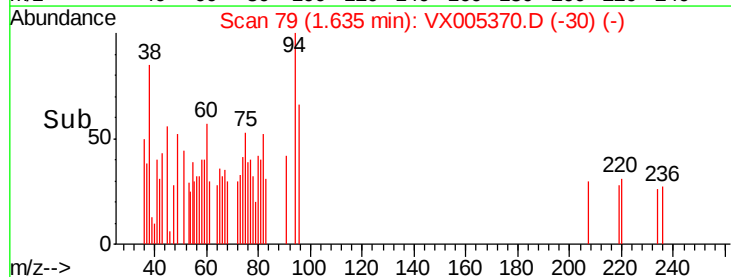
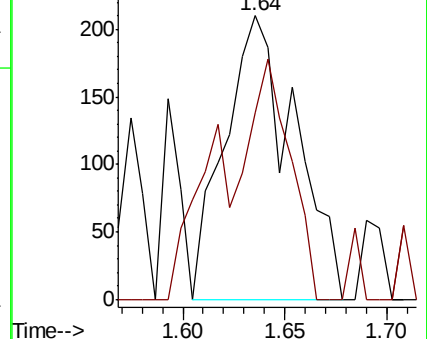
94 100

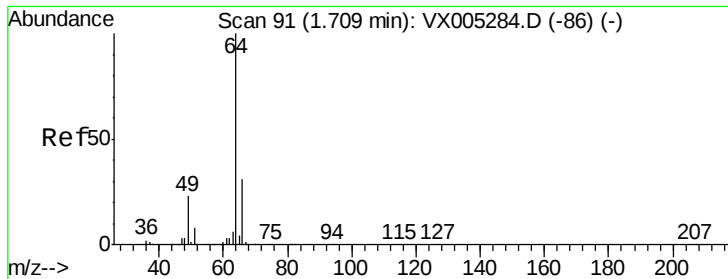
96 65.7 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.376 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX005370.D

Acq: 16 Oct 2018 15:58

Instrument :

MSVOA_X

ClientSampled :

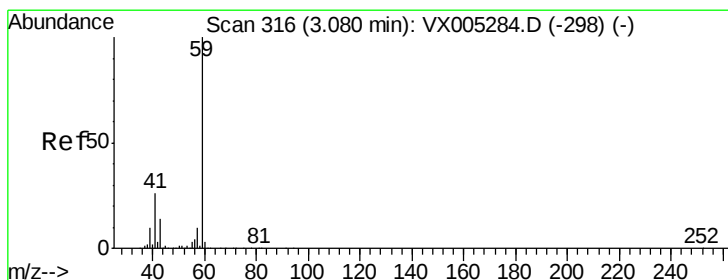
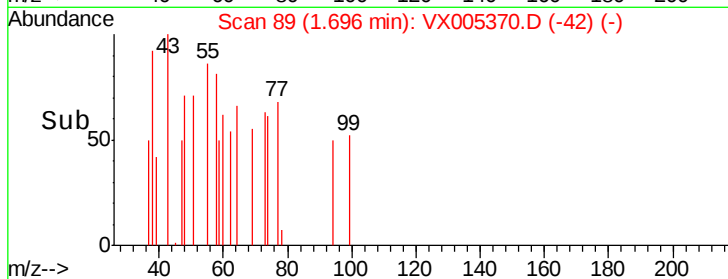
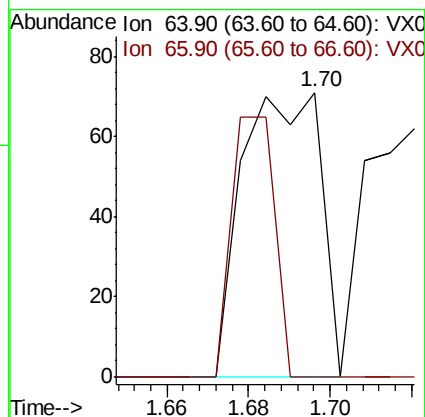
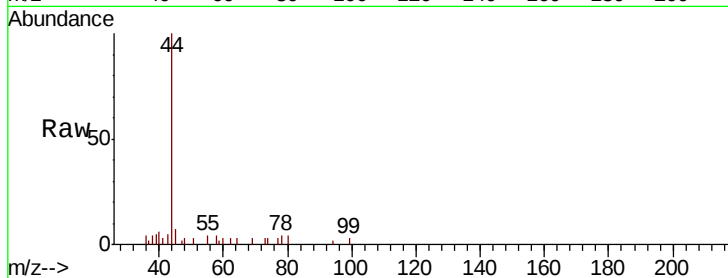
I.BLK

Tgt Ion: 64 Resp: 94

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



#11

Tert butyl alcohol

Concen: 1.896 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX005370.D

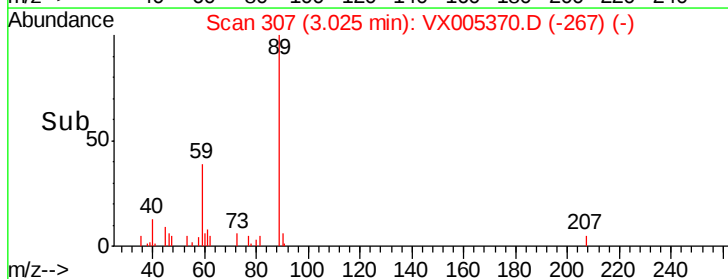
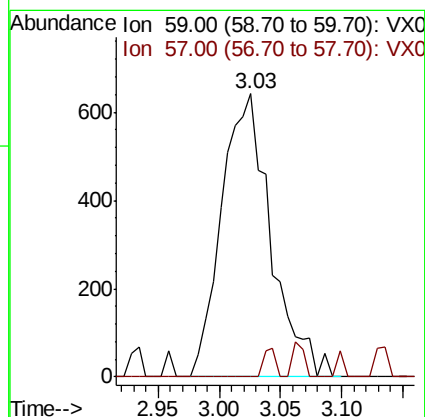
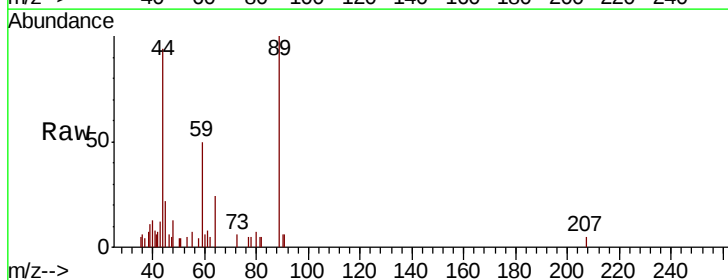
Acq: 16 Oct 2018 15:58

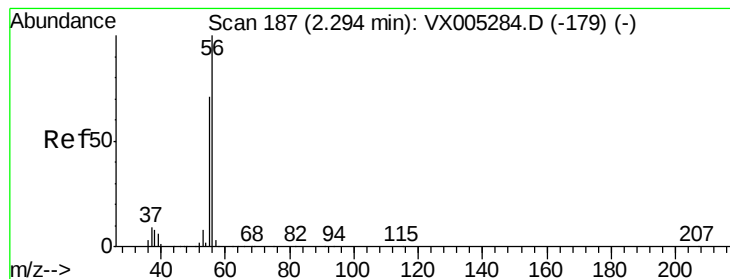
Tgt Ion: 59 Resp: 1800

Ion Ratio Lower Upper

59 100

57 2.6 8.2 12.4#





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX005370.D

Acq: 16 Oct 2018 15:58

Instrument :

MSVOA_X

ClientSampled :

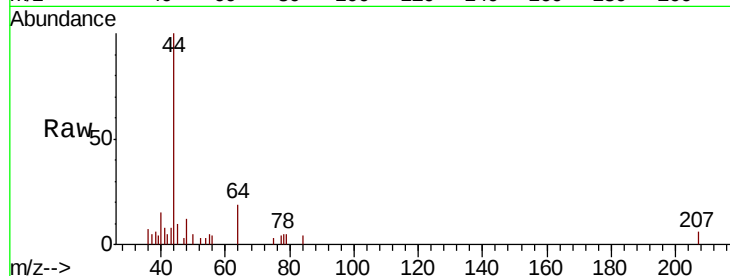
I.BLK

Tgt Ion: 56 Resp: 23

Ion Ratio Lower Upper

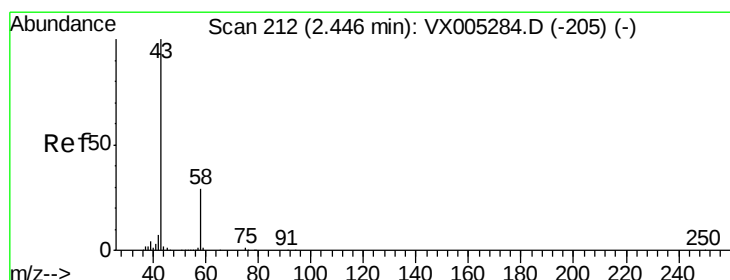
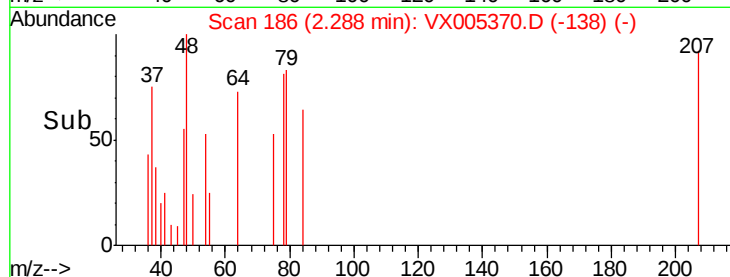
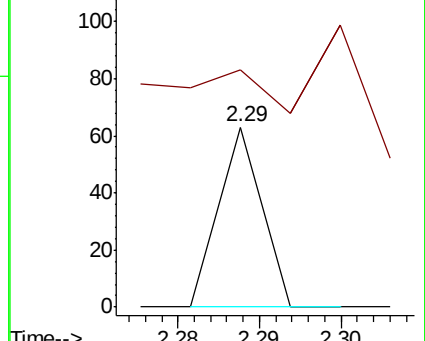
56 100

55 582.6 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.293 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005370.D

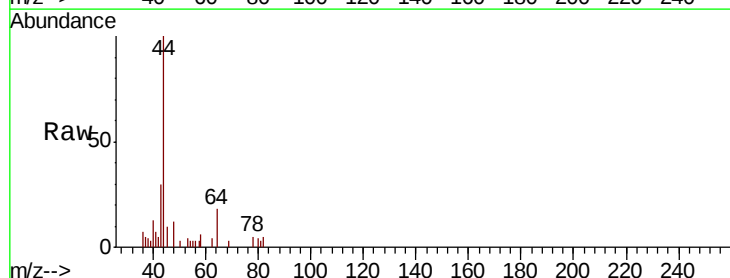
Acq: 16 Oct 2018 15:58

Tgt Ion: 43 Resp: 570

Ion Ratio Lower Upper

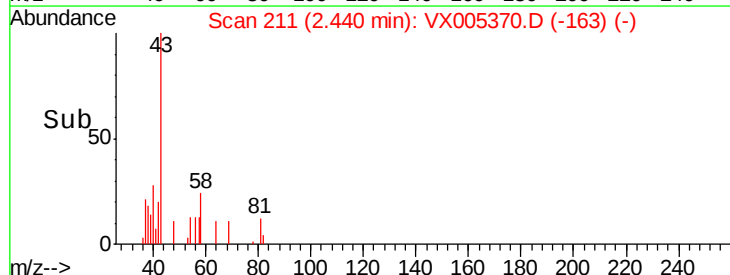
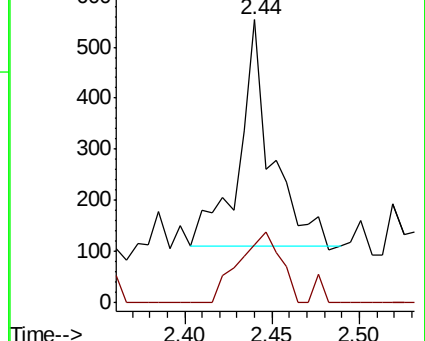
43 100

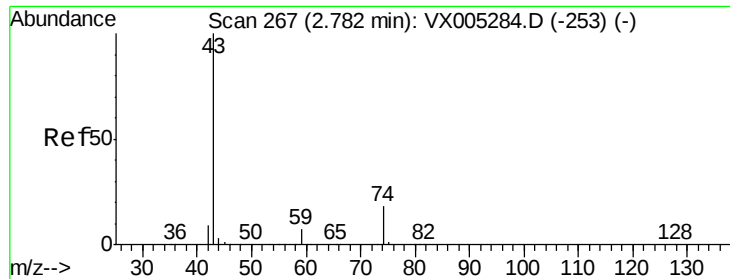
58 25.5 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

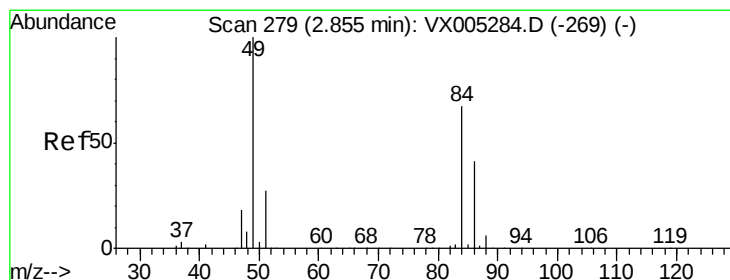
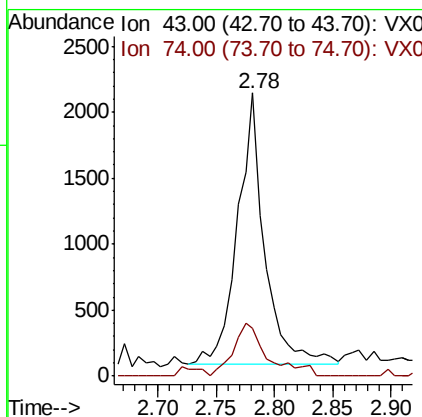
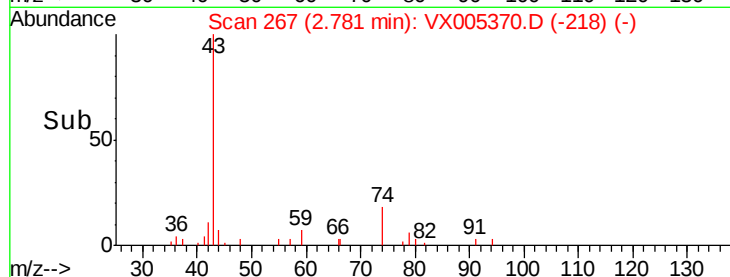
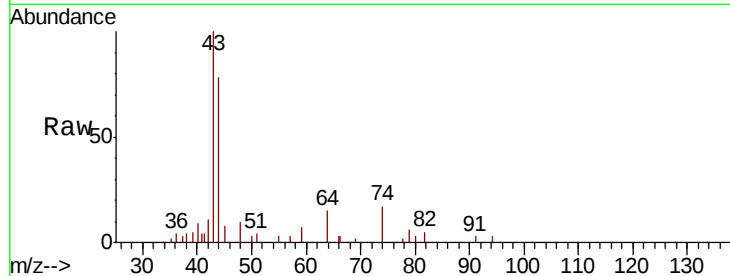




#18
Methyl Acetate
Concen: 0.601 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005370.D
Acq: 16 Oct 2018 15:58

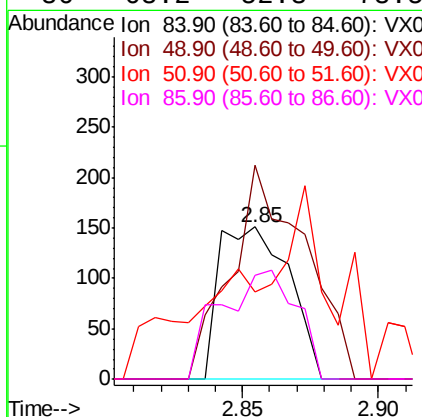
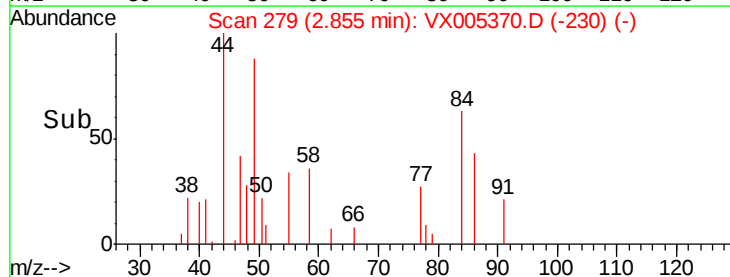
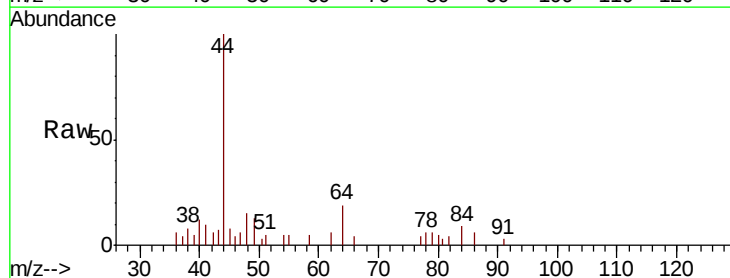
Instrument :
MSVOA_X
ClientSampleId :
I.BLK

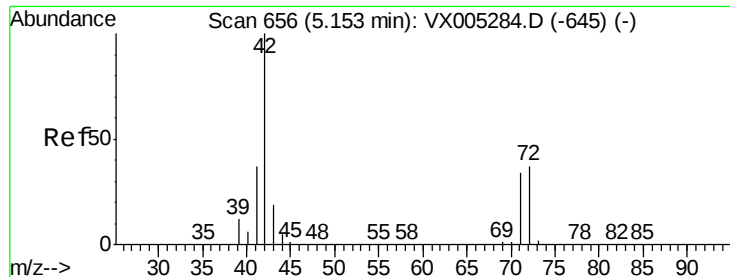
Tgt Ion: 43 Resp: 3327
Ion Ratio Lower Upper
43 100
74 24.6 19.4 29.2



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005370.D
Acq: 16 Oct 2018 15:58

Tgt Ion: 84 Resp: 269
Ion Ratio Lower Upper
84 100
49 140.4 101.2 151.8
51 21.2 29.5 44.3#
86 68.2 52.3 78.5

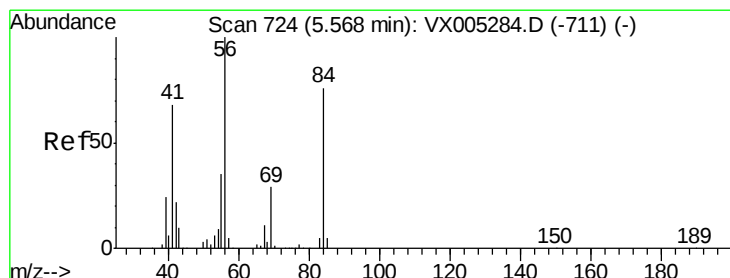
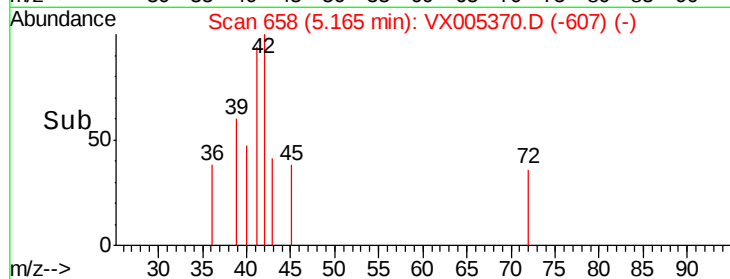
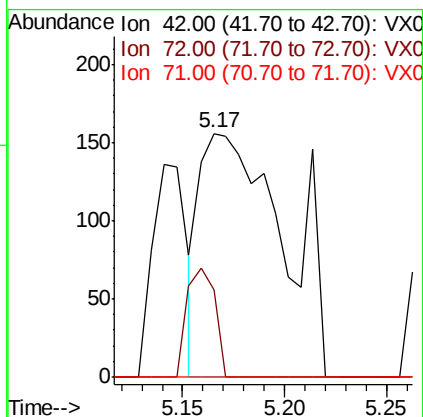
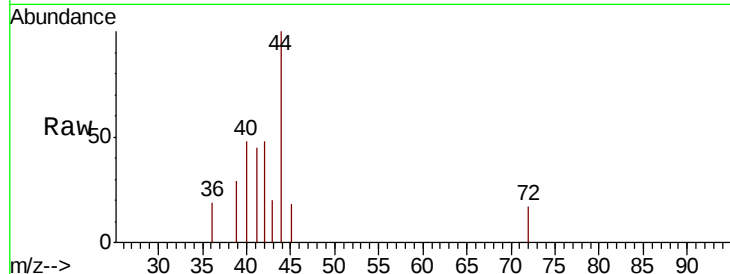




#29
Tetrahydrofuran
Concen: 0.245 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX005370.D
Acq: 16 Oct 2018 15:58

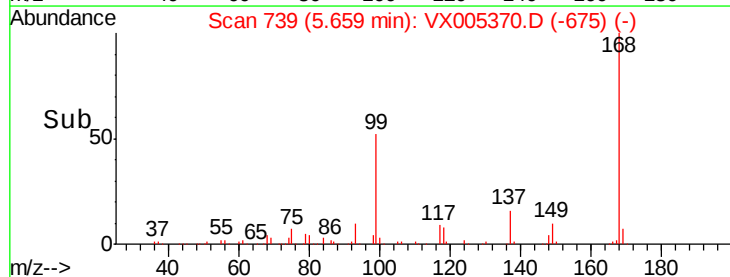
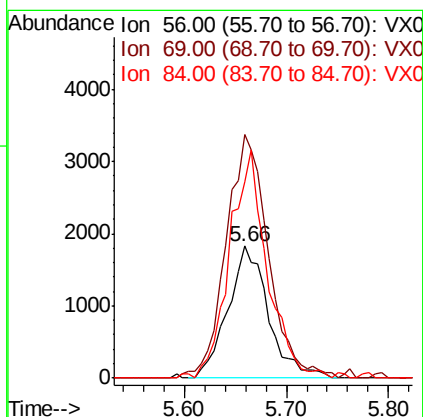
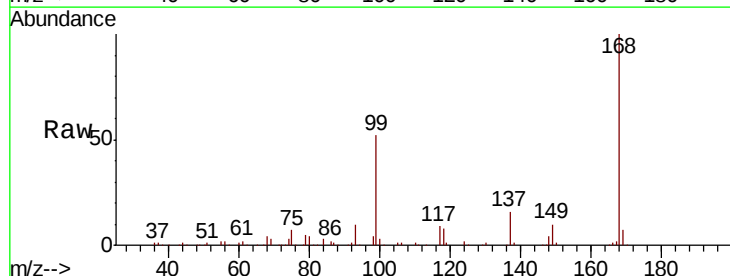
Instrument :
MSVOA_X
ClientSampleId :
I.BLK

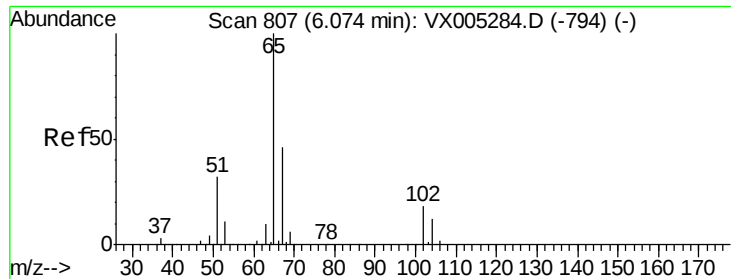
Tgt Ion: 42 Resp: 445
Ion Ratio Lower Upper
42 100
72 15.1 37.4 56.0#
71 0.0 34.5 51.7#



#31
Cyclohexane
Concen: 1.089 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005370.D
Acq: 16 Oct 2018 15:58

Tgt Ion: 56 Resp: 5037
Ion Ratio Lower Upper
56 100
69 184.2 25.4 38.2#
84 145.3 71.4 107.2#

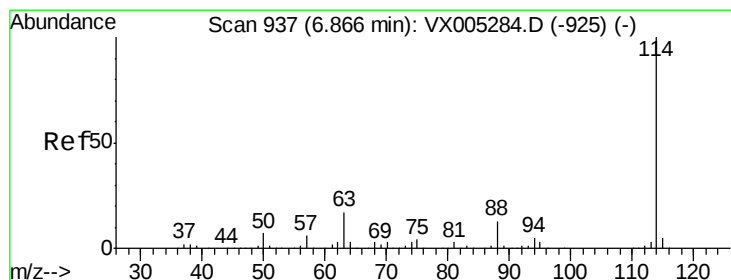
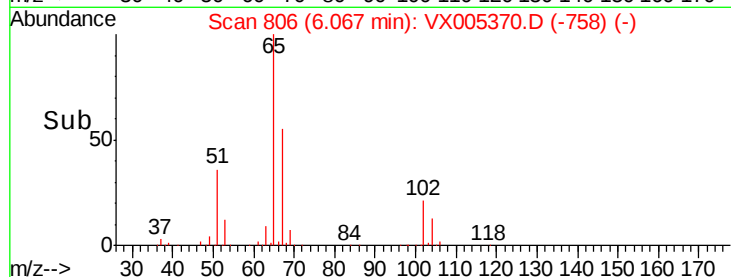
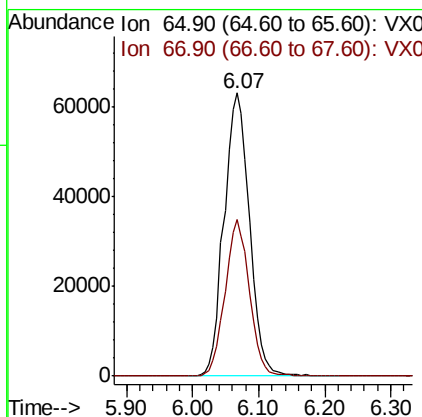
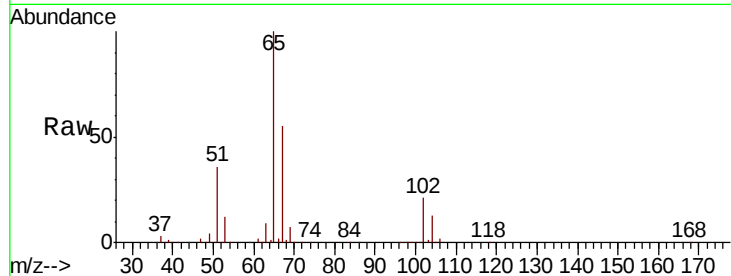




#33
 1,2-Dichloroethane-d4
 Concen: 49.736 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005370.D
 Acq: 16 Oct 2018 15:58

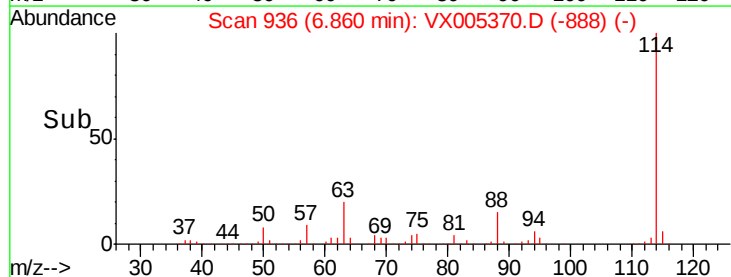
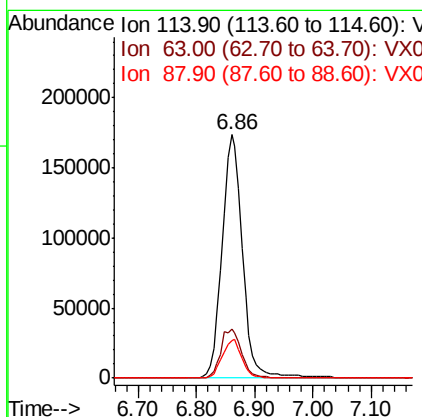
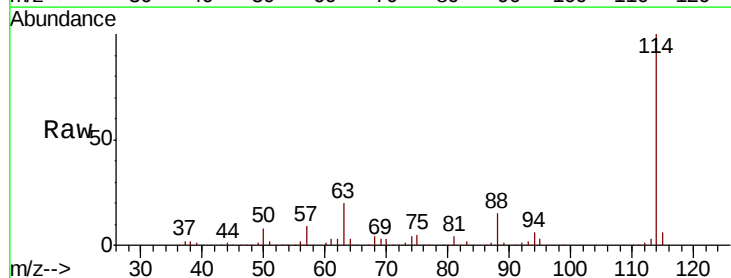
Instrument :
 MSVOA_X
 ClientSampleId :
 I.BLK

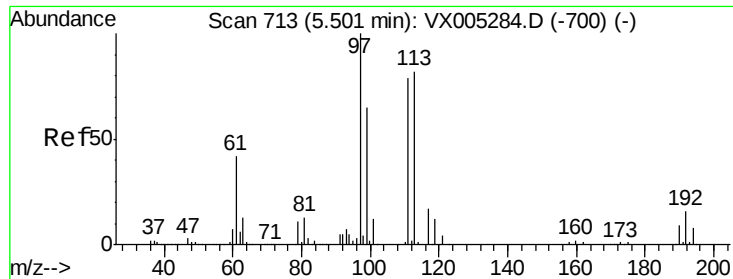
Tgt Ion: 65 Resp: 167409
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005370.D
 Acq: 16 Oct 2018 15:58

Tgt Ion: 114 Resp: 423364
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.0
 88 15.5 0.0 30.4

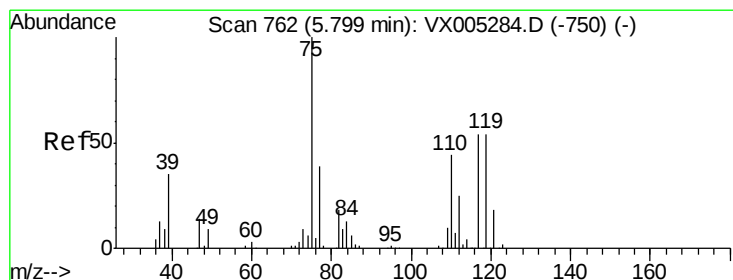
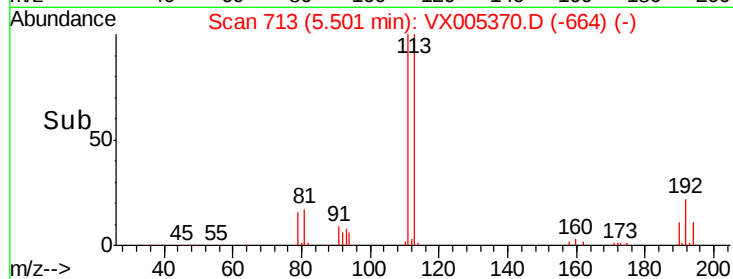
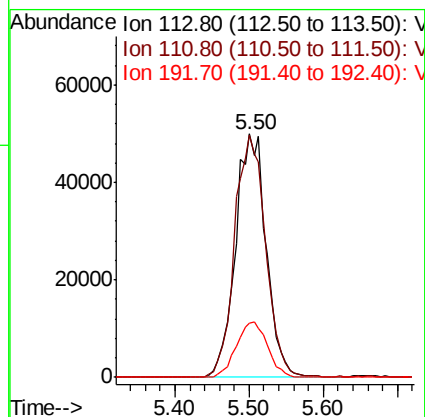
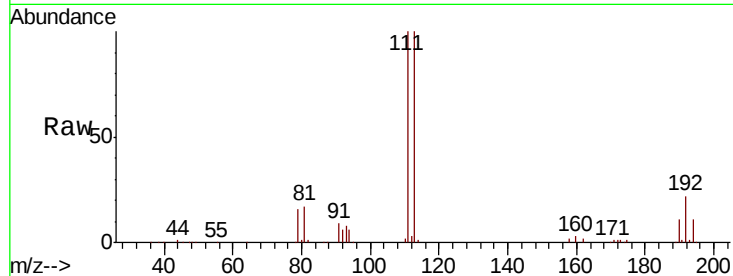




#35
 Dibromofluoromethane
 Concen: 51.495 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005370.D
 Acq: 16 Oct 2018 15:58

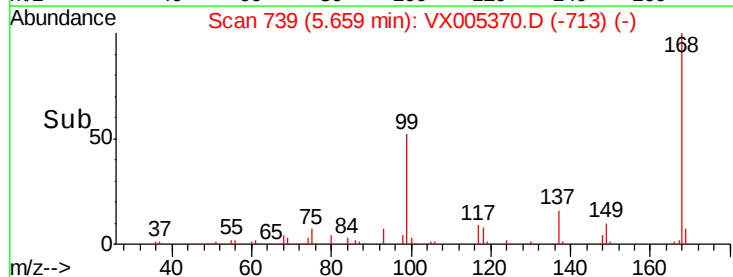
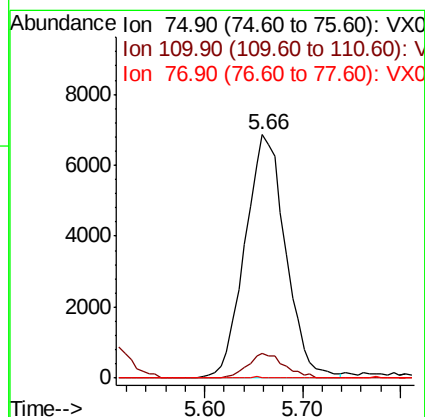
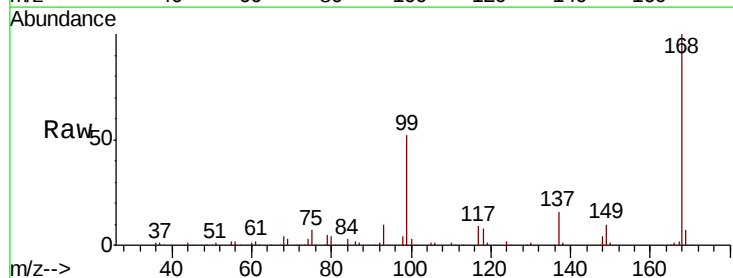
Instrument :
 MSVOA_X
 ClientSampleId :
 I.BLK

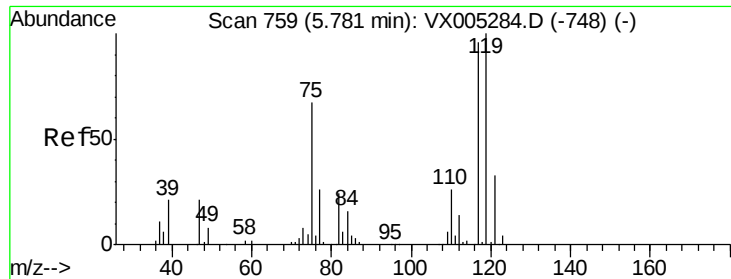
Tgt Ion:113 Resp: 144395
 Ion Ratio Lower Upper
 113 100
 111 100.1 82.4 123.6
 192 23.1 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 4.831 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005370.D
 Acq: 16 Oct 2018 15:58

Tgt Ion: 75 Resp: 19807
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.0 54.0#
 77 0.1 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.291 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005370.D

Acq: 16 Oct 2018 15:58

Instrument :

MSVOA_X

ClientSampleId :

I.BLK

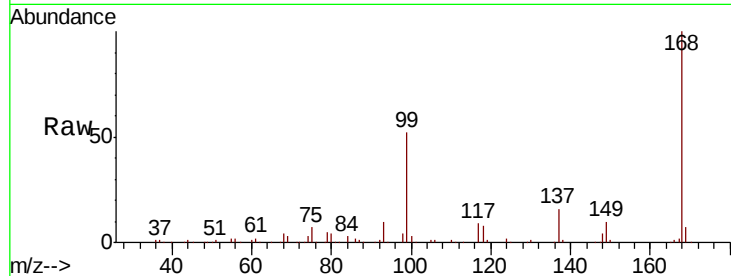
Tgt Ion:117 Resp: 25918

Ion Ratio Lower Upper

117 100

119 5.6 78.8 118.2#

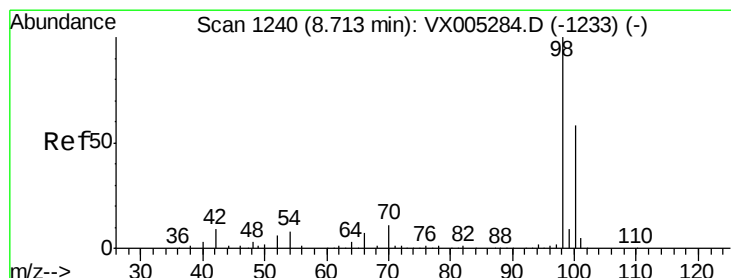
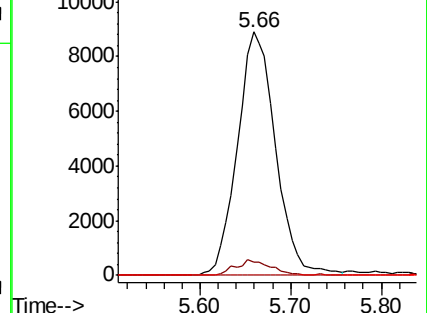
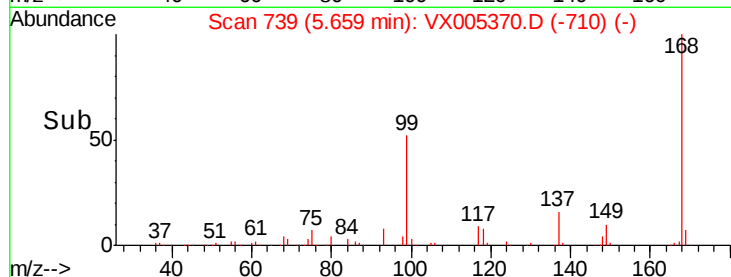
121 0.0 24.9 37.3#



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: 52.921 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005370.D

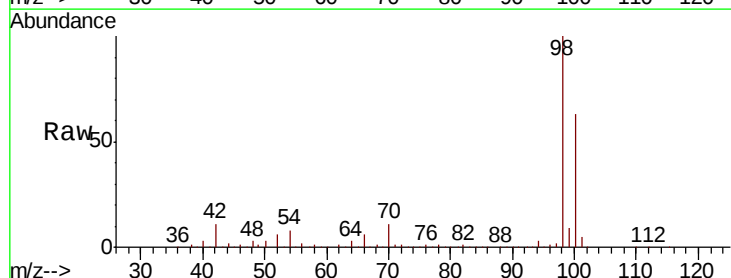
Acq: 16 Oct 2018 15:58

Tgt Ion: 98 Resp: 509442

Ion Ratio Lower Upper

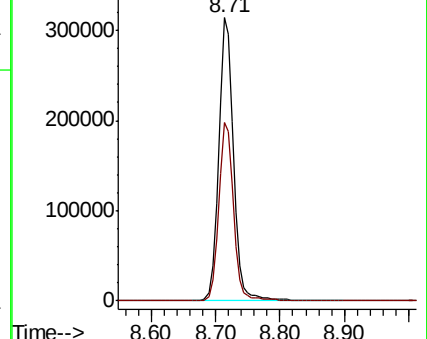
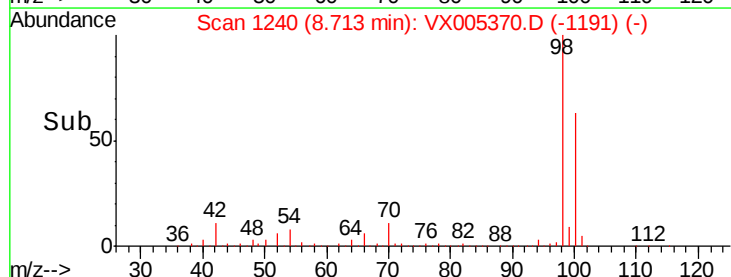
98 100

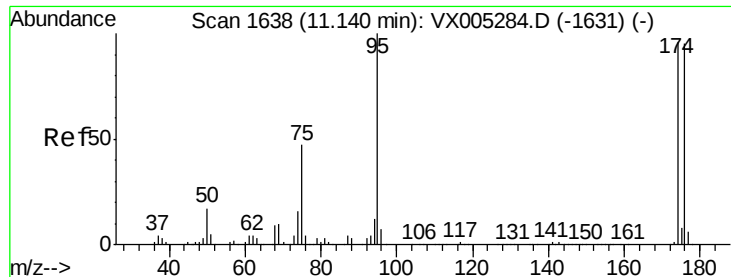
100 63.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

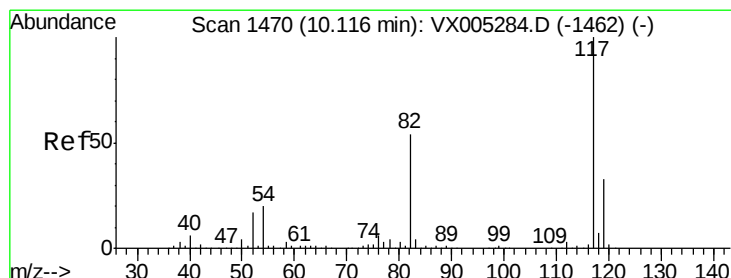
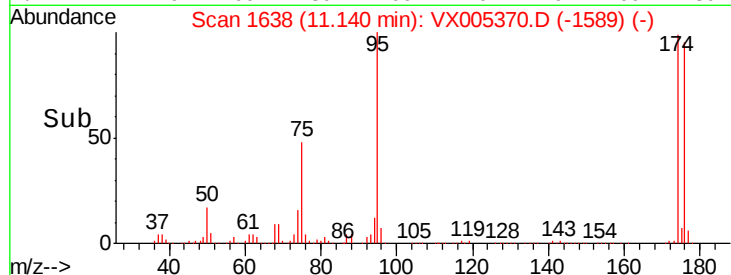
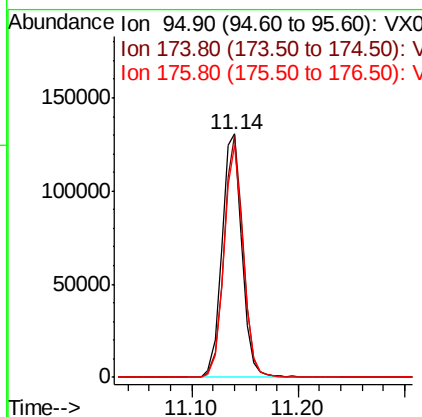
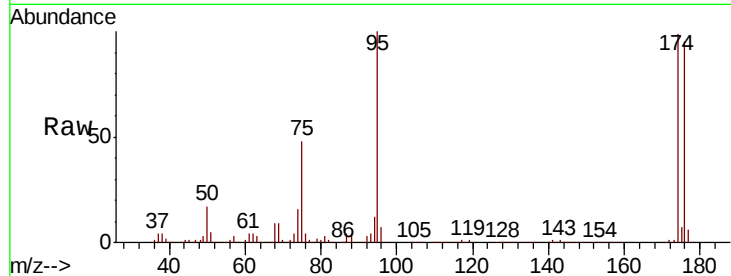




#62
4-Bromofluorobenzene
Concen: 47.388 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005370.D
Acq: 16 Oct 2018 15:58

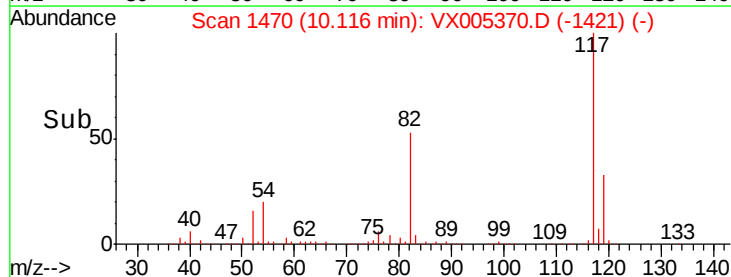
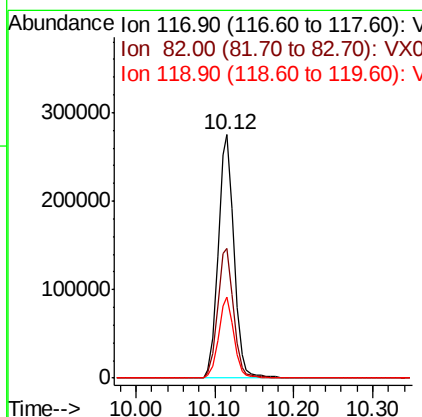
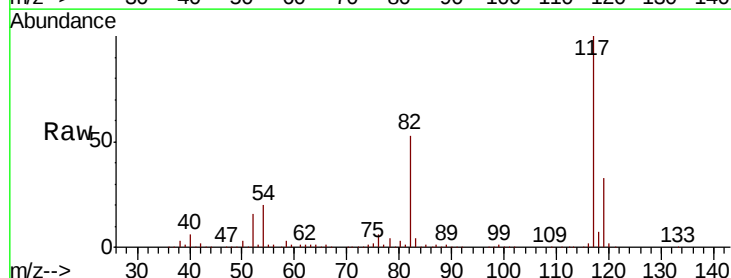
Instrument :
MSVOA_X
ClientSampleId :
I.BLK

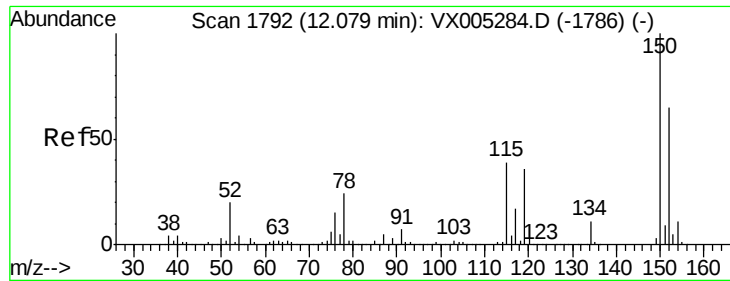
Tgt Ion: 95 Resp: 171371
Ion Ratio Lower Upper
95 100
174 95.7 0.0 185.2
176 92.0 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005370.D
Acq: 16 Oct 2018 15:58

Tgt Ion: 117 Resp: 383211
Ion Ratio Lower Upper
117 100
82 53.1 47.8 71.6
119 33.1 29.3 43.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005370.D

Acq: 16 Oct 2018 15:58

Instrument :

MSVOA_X

ClientSampleId :

I.BLK

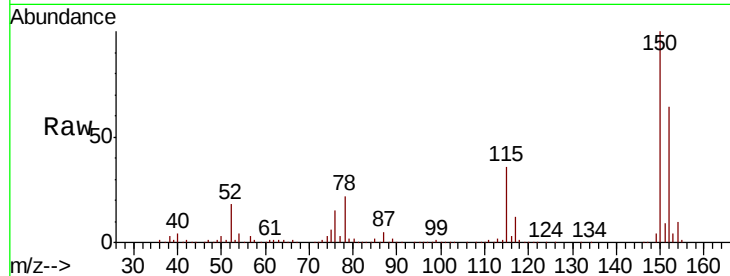
Tgt Ion:152 Resp: 192290

Ion Ratio Lower Upper

152 100

115 54.8 39.0 117.0

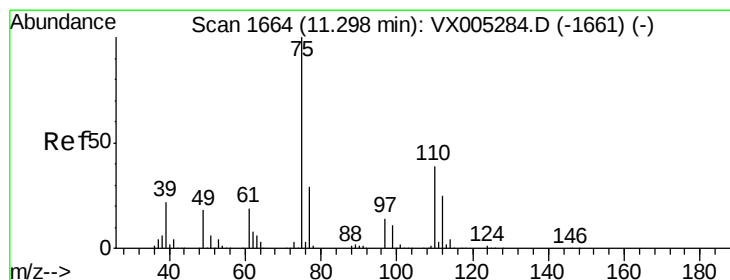
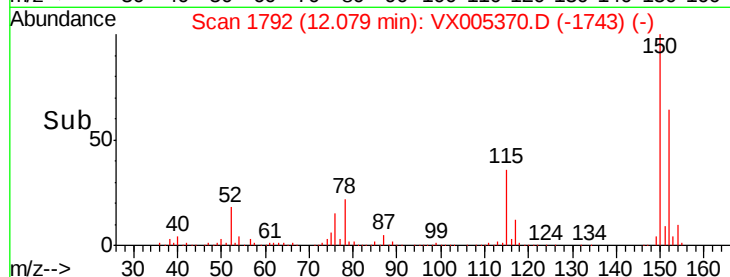
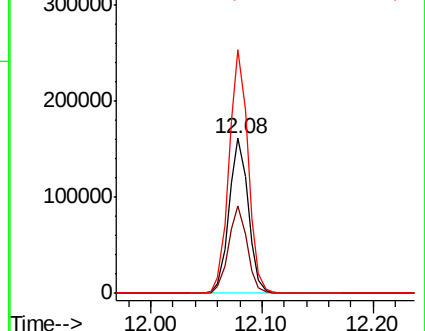
150 156.2 0.0 351.0



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: 22.703 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX005370.D

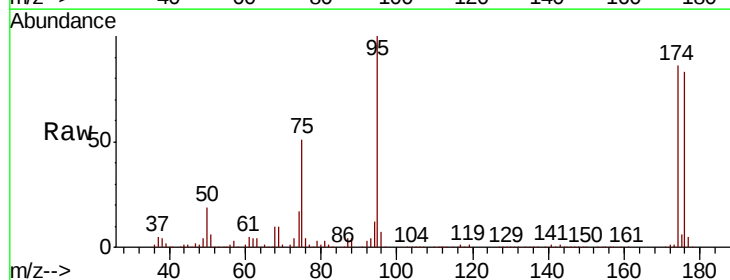
Acq: 16 Oct 2018 15:58

Tgt Ion: 75 Resp: 84678

Ion Ratio Lower Upper

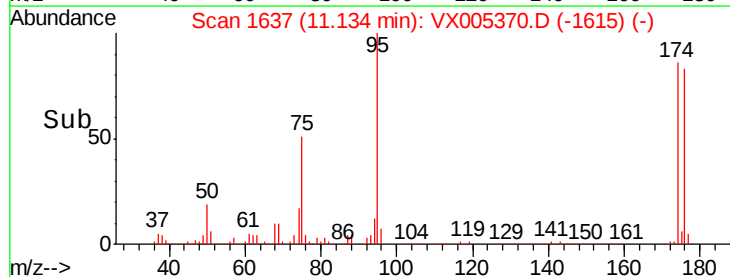
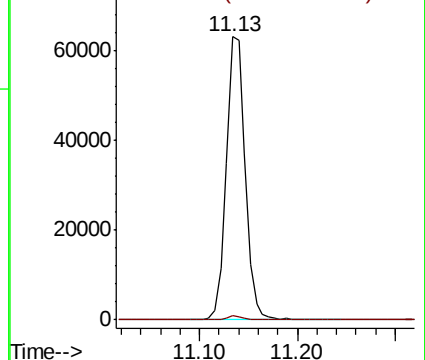
75 100

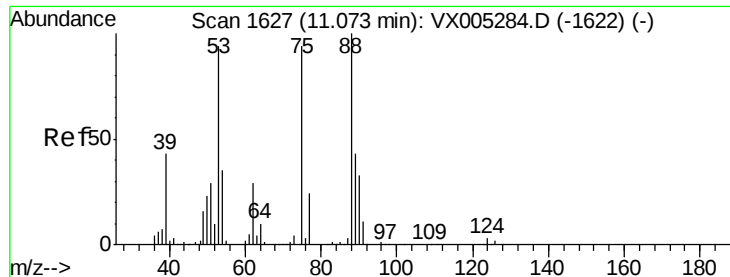
77 1.3 20.2 60.6#



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: 68.981 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX005370.D

Acq: 16 Oct 2018 15:58

Instrument :

MSVOA_X

ClientSampleId :

I.BLK

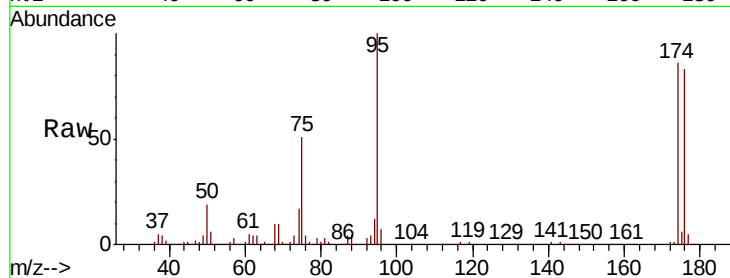
Tgt Ion: 75 Resp: 84678

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

