

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090418\
 Data File : VX004346.D
 Acq On : 04 Sep 2018 14:52
 Operator : JC/MD
 Sample : J4762-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SAMPLEMANAG

Quant Time: Sep 05 06:40:03 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	274406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	428999	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	410790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	230543	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	190409	53.24	ug/l	0.00
Spiked Amount			Recovery	=	106.48%	
35) Dibromofluoromethane	5.50	113	167892	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	
50) Toluene-d8	8.71	98	611610	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	11.14	95	216537	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	

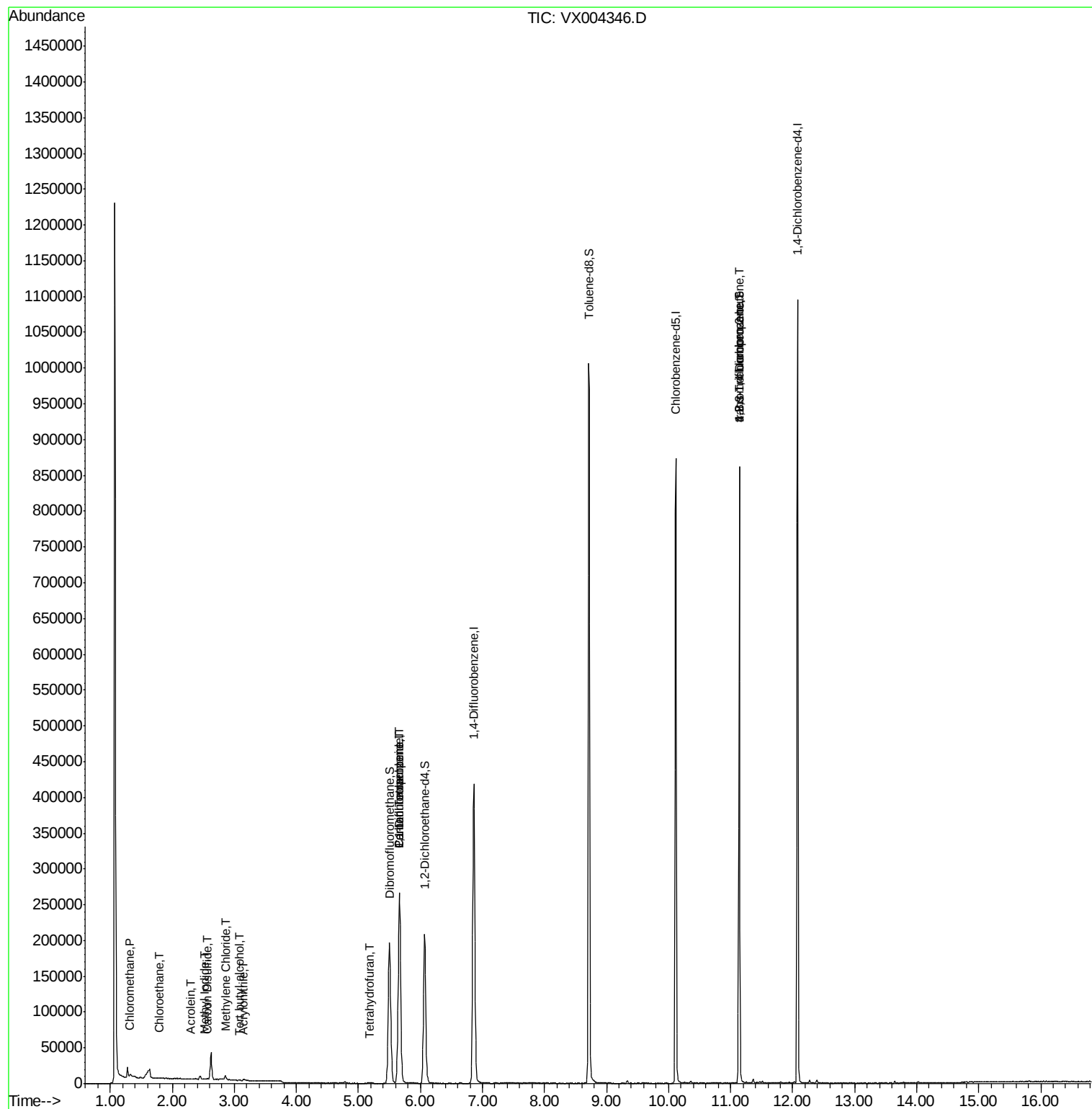
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2066	0.87	ug/l	90
5) Bromomethane	1.64	94	1452	Below Cal		94
6) Chloroethane	1.79	64	7523	3.56	ug/l #	59
10) Methyl Iodide	2.52	142	1760	4.73	ug/l	96
11) Tert butyl alcohol	3.08	59	283	0.37	ug/l #	92
13) Acrolein	2.29	56	112	0.61	ug/l #	1
15) Acrylonitrile	3.15	53	466	0.25	ug/l #	51
16) Acetone	2.45	43	5423	Below Cal		97
17) Carbon Disulfide	2.57	76	1477	0.98	ug/l #	81
20) Methylene Chloride	2.85	84	2631	0.76	ug/l	94
25) 2-Butanone	4.70	43	622	Below Cal	#	47
29) Tetrahydrofuran	5.17	42	682	0.44	ug/l #	44
36) 1,1-Dichloropropene	5.66	75	17761	3.68	ug/l #	50
38) Carbon Tetrachloride	5.66	117	23497	5.18	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	102243	21.81	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	102243	70.75	ug/l #	10

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

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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# 832

Delta R.T. -0.00 min

Lab File: VX004346.D

Acq: 04 Sep 2018 14:52

Instrument :

MSVOA_X

ClientSampleId :

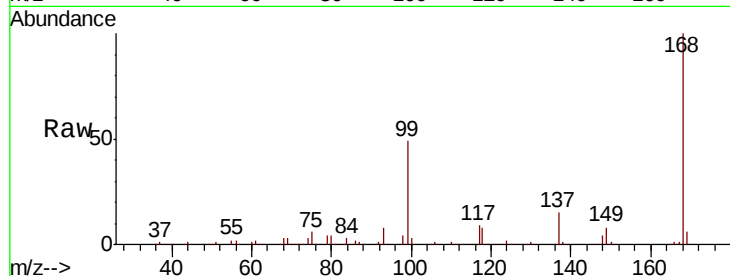
STORAGEBLANK-SAMPLEMANAG

Tot Ion:168 Resp: 274406

Ion Ratio Lower Upper

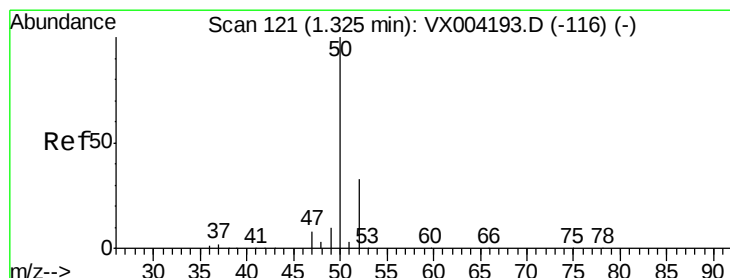
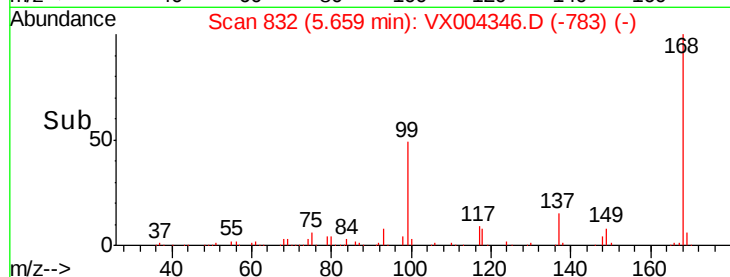
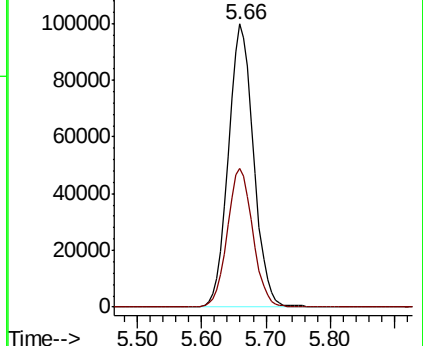
168 100

99 49.0 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: 0.87 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004346.D

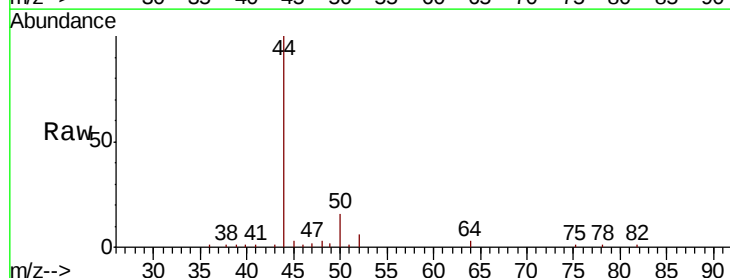
Acq: 04 Sep 2018 14:52

Tgt Ion: 50 Resp: 2066

Ion Ratio Lower Upper

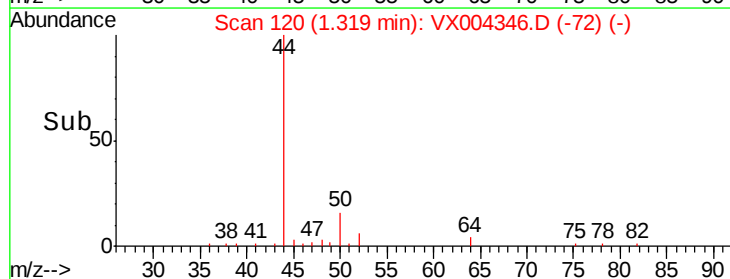
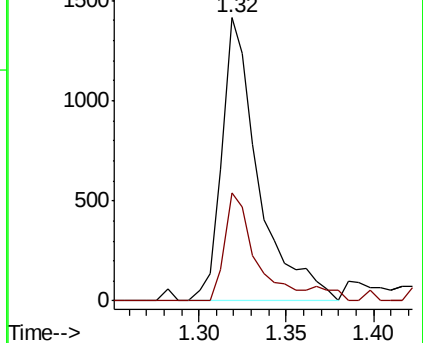
50 100

52 38.1 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: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004346.D

Acq: 04 Sep 2018 14:52

Instrument :

MSVOA_X

ClientSampleId :

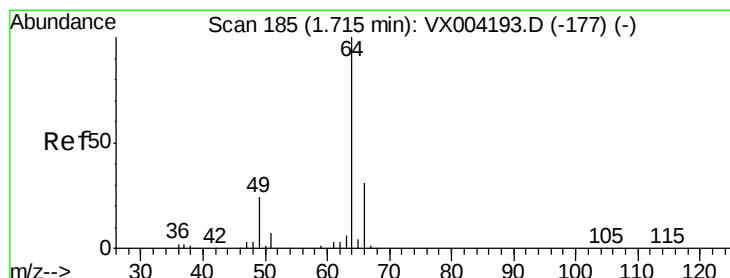
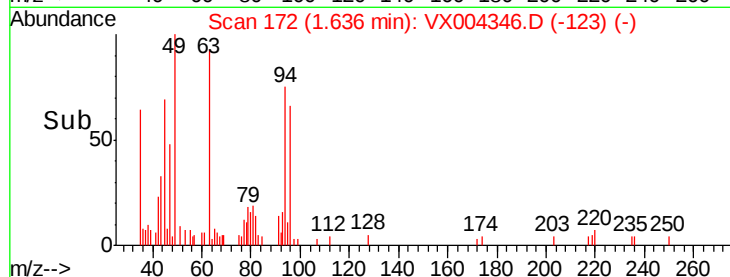
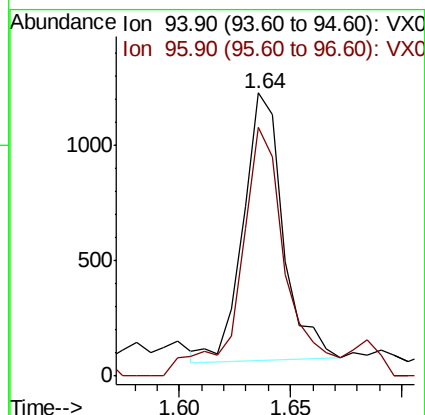
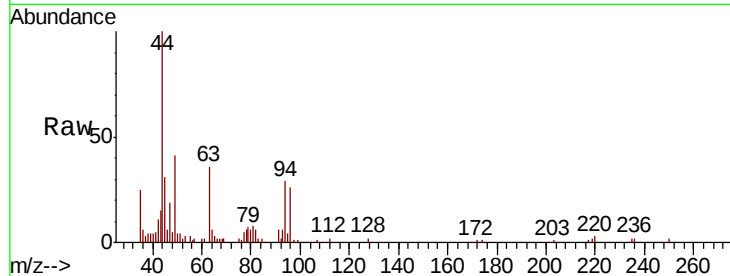
STORAGEBLANK-SAMPLEMANAG

Tot Ion: 94 Resp: 1452

Ion Ratio Lower Upper

94 100

96 86.9 74.5 111.7



#6

Chloroethane

Concen: 3.56 ug/l

RT: 1.79 min Scan# 197

Delta R.T. 0.07 min

Lab File: VX004346.D

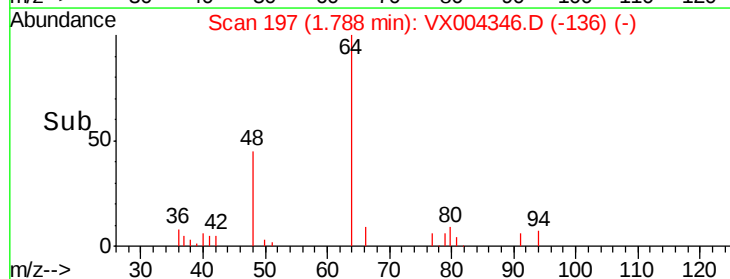
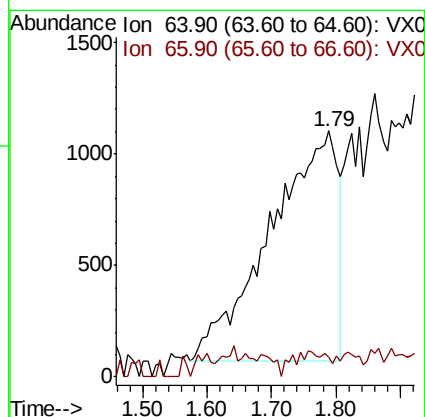
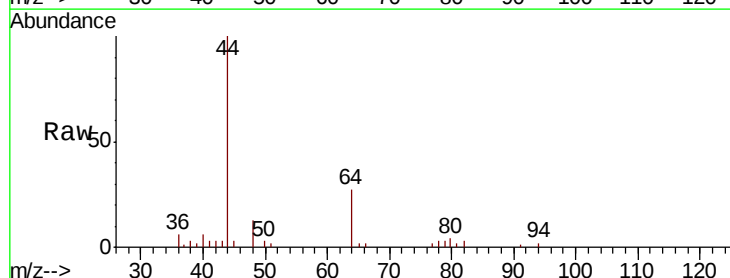
Acq: 04 Sep 2018 14:52

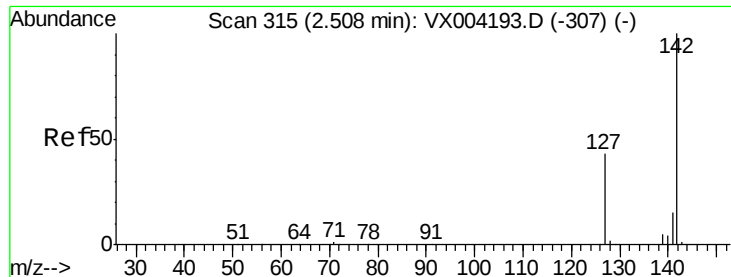
Tgt Ion: 64 Resp: 7523

Ion Ratio Lower Upper

64 100

66 8.4 24.6 36.8#

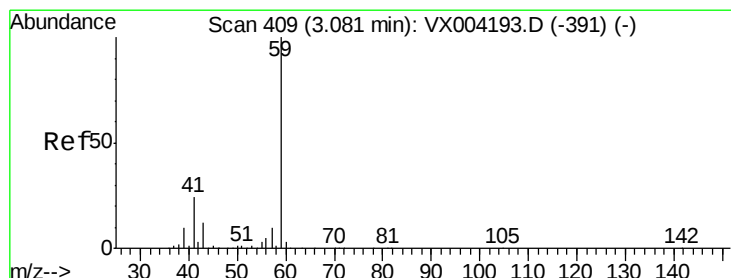
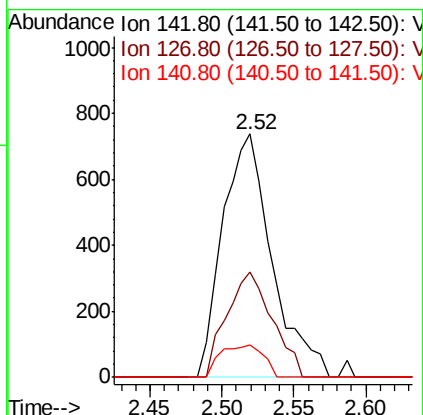
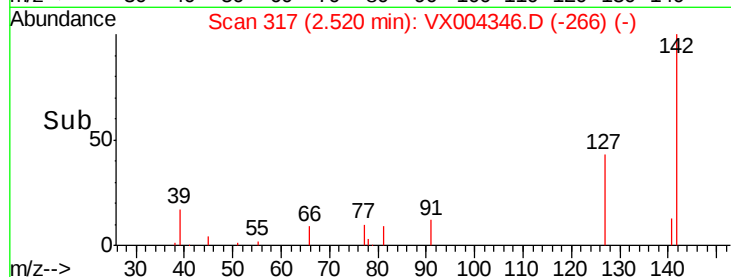
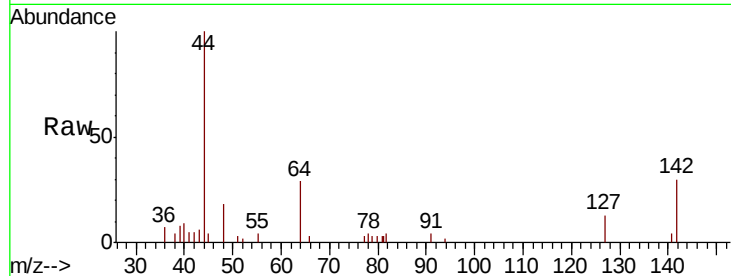




#10
Methyl Iodide
Concen: 4.73 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX004346.D
Acq: 04 Sep 2018 14:52

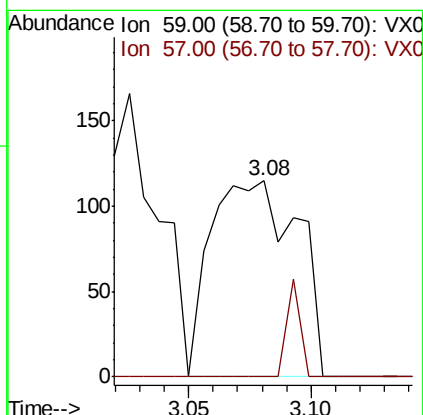
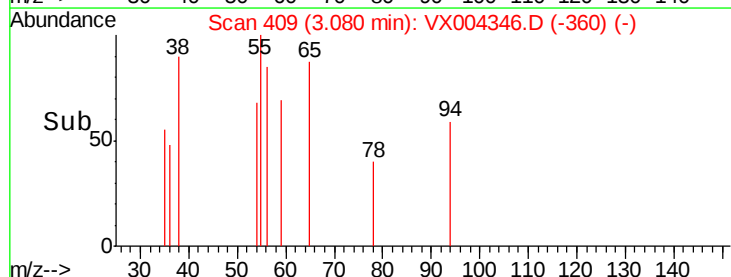
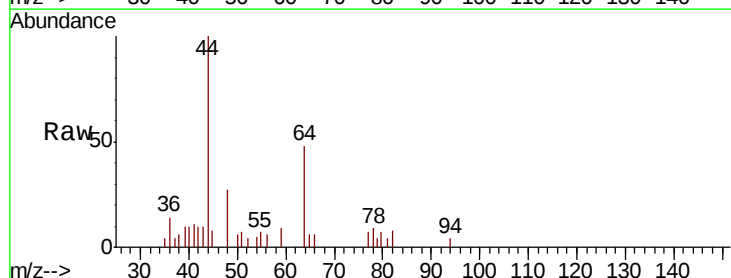
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SAMPLEMANAG

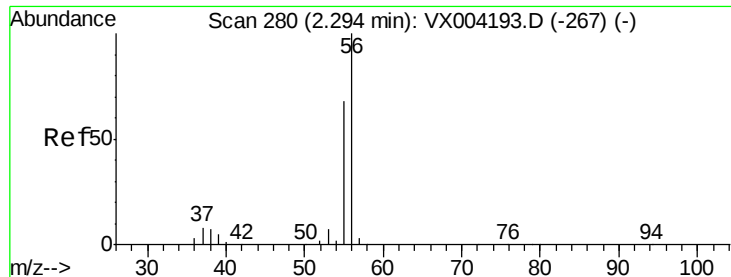
Tot Ion:142 Resp: 1760
Ion Ratio Lower Upper
142 100
127 40.0 33.8 50.6
141 11.5 11.4 17.0



#11
Tert butyl alcohol
Concen: 0.37 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX004346.D
Acq: 04 Sep 2018 14:52

Tgt Ion: 59 Resp: 283
Ion Ratio Lower Upper
59 100
57 7.4 8.2 12.4#





#13

Acrolein

Concen: 0.61 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX004346.D

Acq: 04 Sep 2018 14:52

Instrument :

MSVOA_X

ClientSampleId :

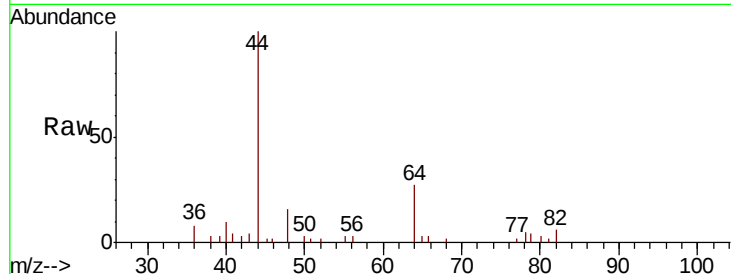
STORAGEBLANK-SAMPLEMANAG

Tot Ion: 56 Resp: 112

Ion Ratio Lower Upper

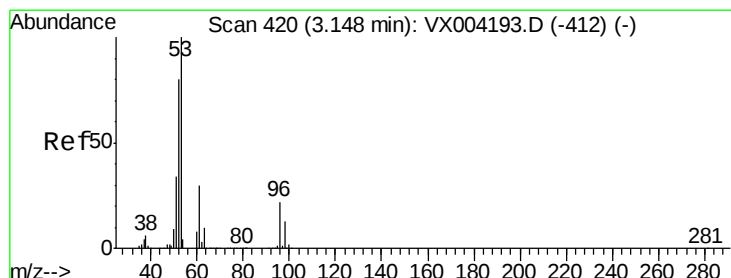
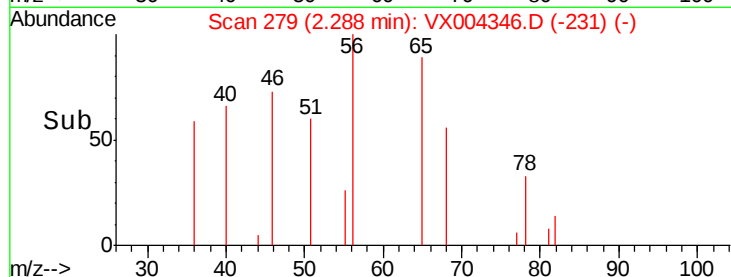
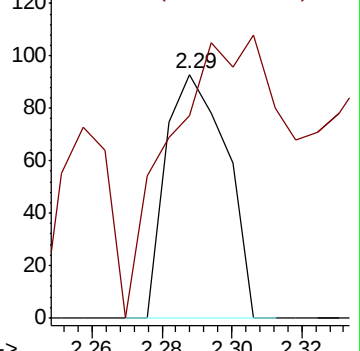
56 100

55 214.3 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: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004346.D

Acq: 04 Sep 2018 14:52

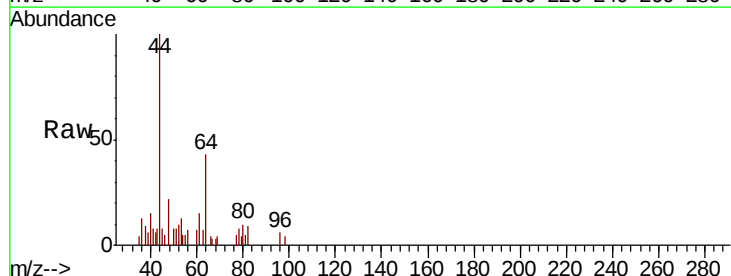
Tgt Ion: 53 Resp: 466

Ion Ratio Lower Upper

53 100

52 113.7 65.2 97.8#

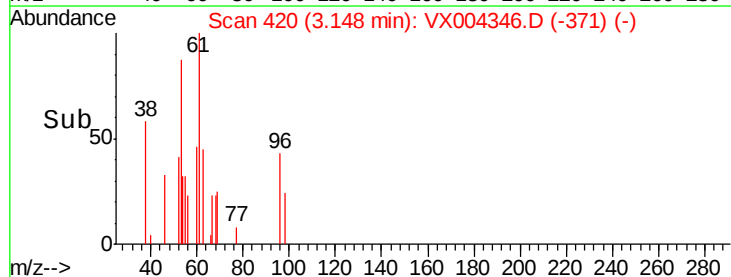
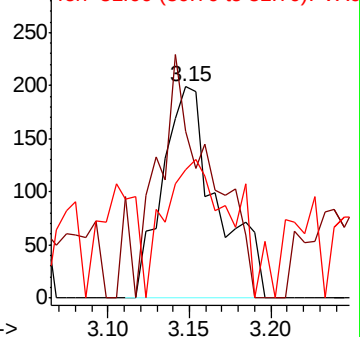
51 80.5 28.2 42.2#

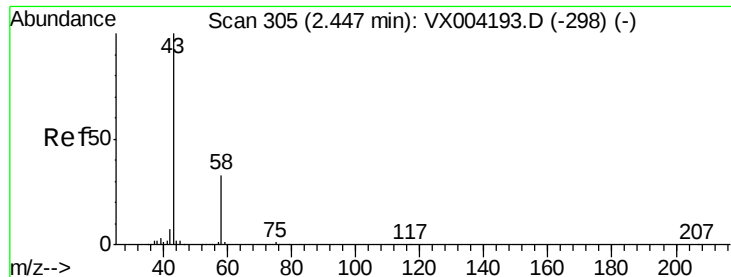


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004346.D

Acq: 04 Sep 2018 14:52

Instrument :

MSVOA_X

ClientSampleId :

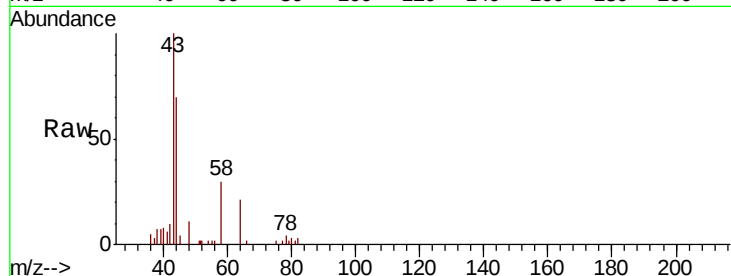
STORAGEBLANK-SAMPLEMANAG

Tot Ion: 43 Resp: 5423

Ion Ratio Lower Upper

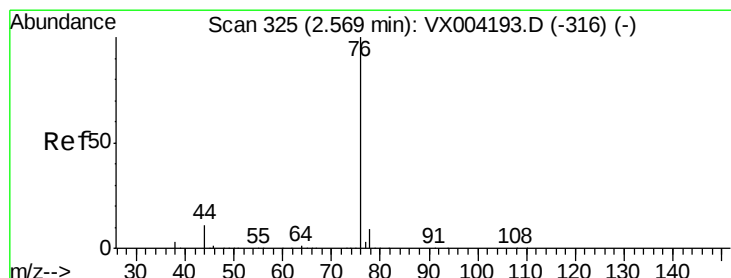
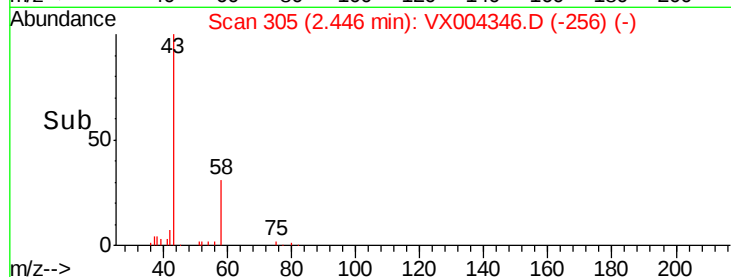
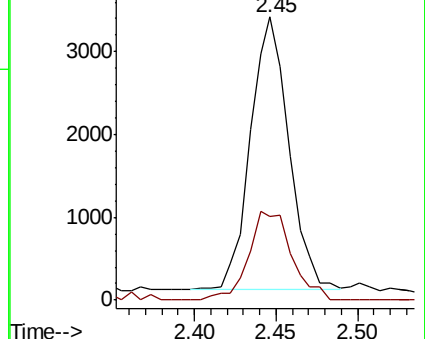
43 100

58 30.9 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: 0.98 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004346.D

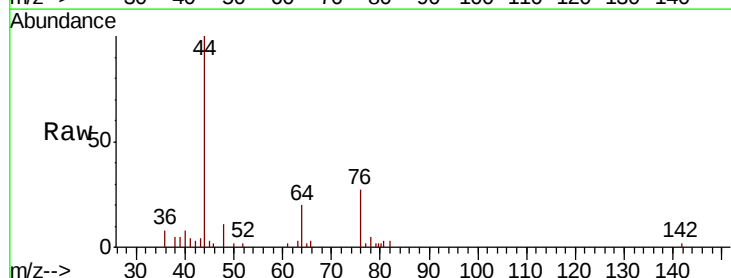
Acq: 04 Sep 2018 14:52

Tgt Ion: 76 Resp: 1477

Ion Ratio Lower Upper

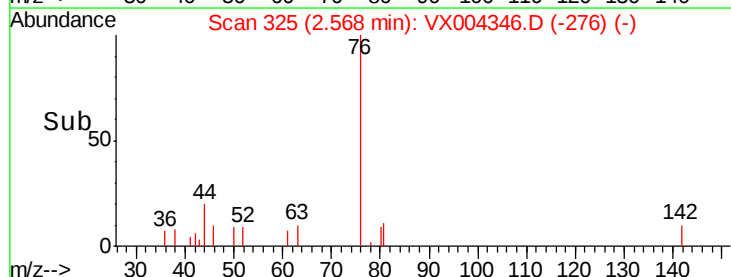
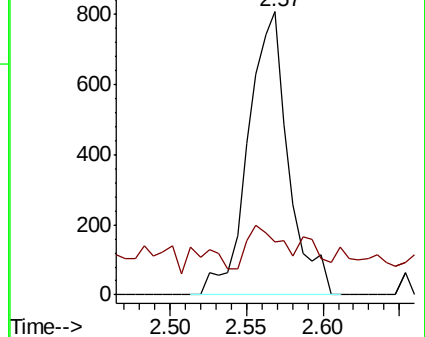
76 100

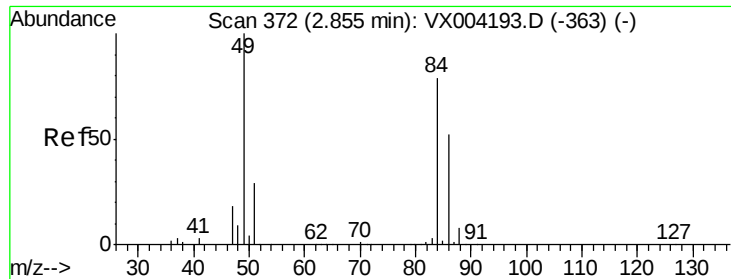
78 2.1 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

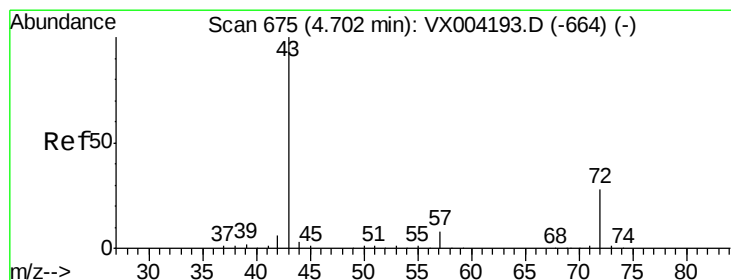
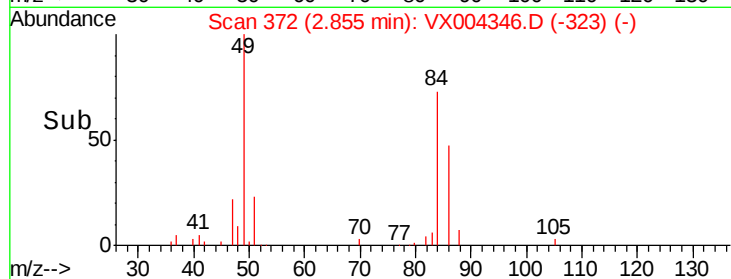
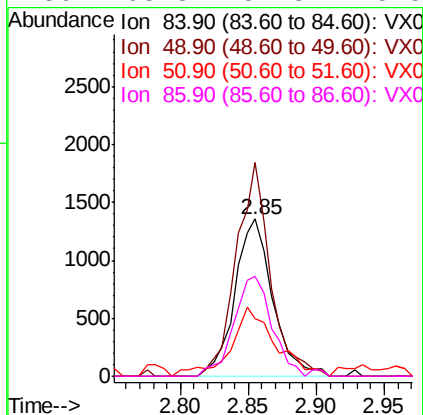
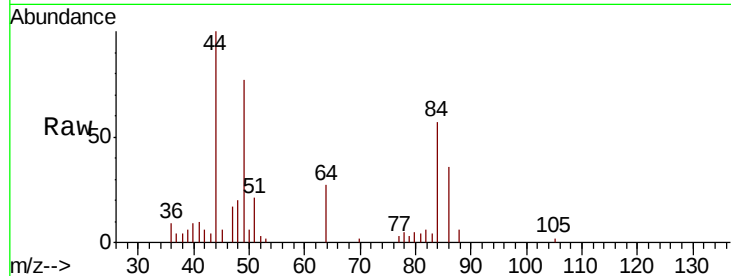




#20
Methvlene Chloride
Concen: 0.76 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004346.D
Acq: 04 Sep 2018 14:52

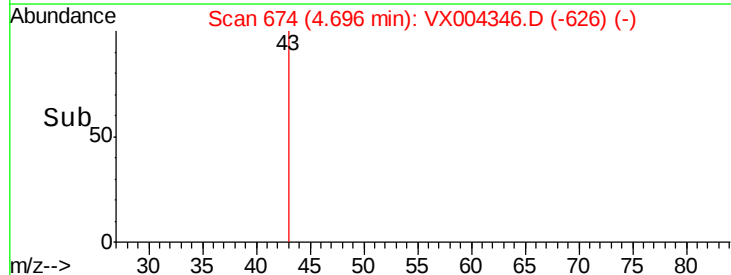
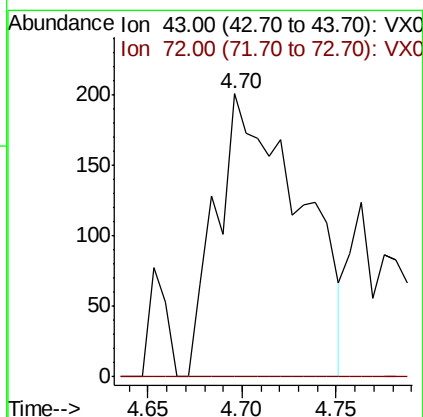
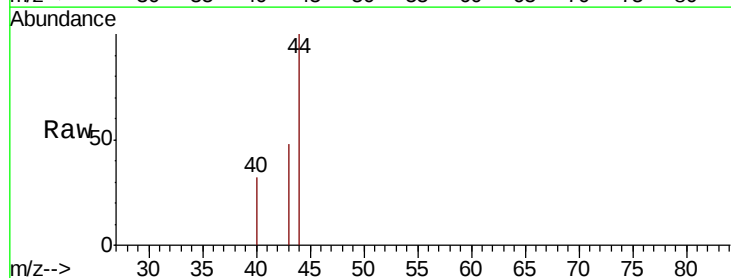
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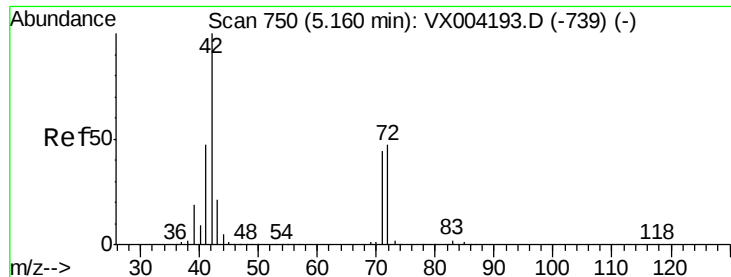
Tot Ion: 84 Resp: 2631
Ion Ratio Lower Upper
84 100
49 136.1 101.2 151.8
51 33.1 29.5 44.3
86 63.3 52.3 78.5



#25
2-Butanone
Concen: Below Cal
RT: 4.70 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX004346.D
Acq: 04 Sep 2018 14:52

Tgt Ion: 43 Resp: 622
Ion Ratio Lower Upper
43 100
72 0.0 22.0 33.0#





#29

Tetrahydrofuran

Concen: 0.44 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX004346.D

Acq: 04 Sep 2018 14:52

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

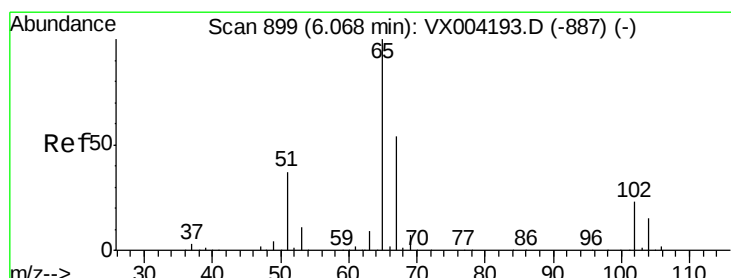
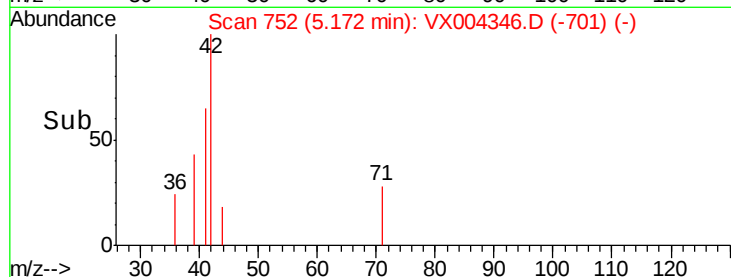
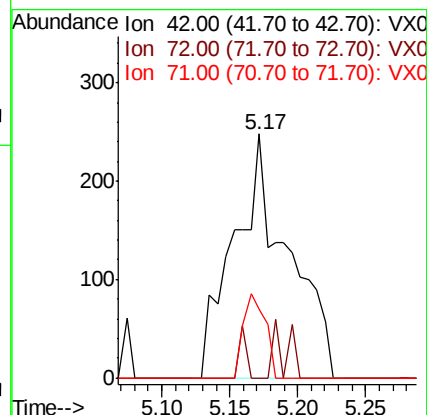
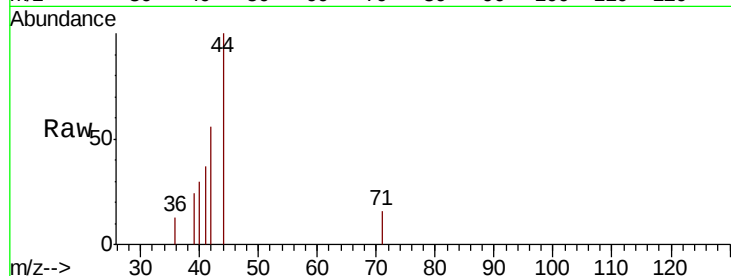
Tot Ion: 42 Resp: 682

Ion Ratio Lower Upper

42 100

72 2.8 37.4 56.0#

71 14.1 34.5 51.7#



#33

1,2-Dichloroethane-d4

Concen: 53.24 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004346.D

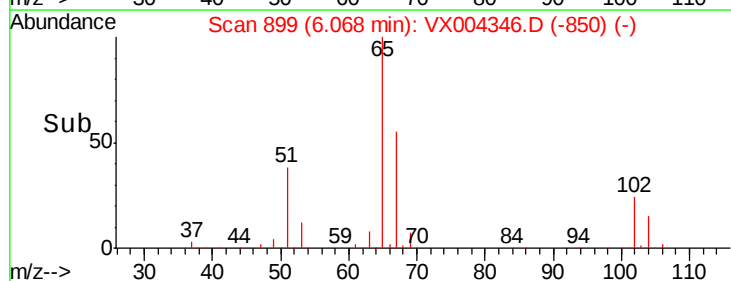
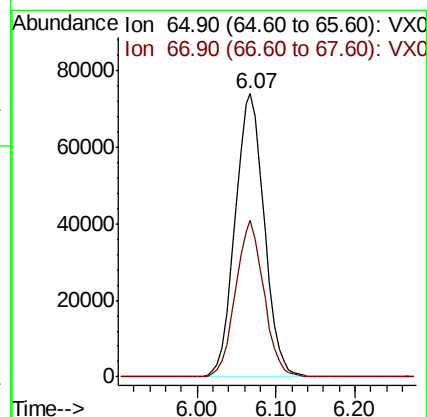
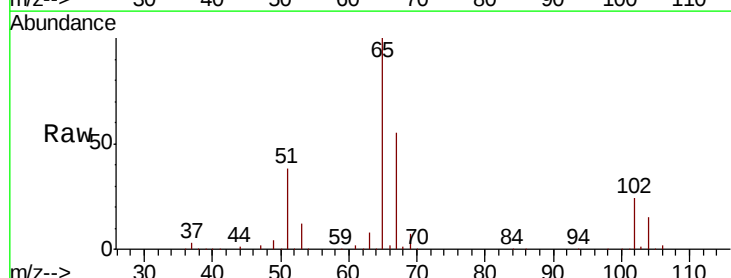
Acq: 04 Sep 2018 14:52

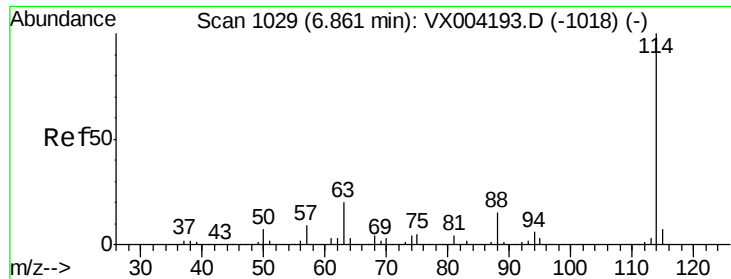
Tgt Ion: 65 Resp: 190409

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.8

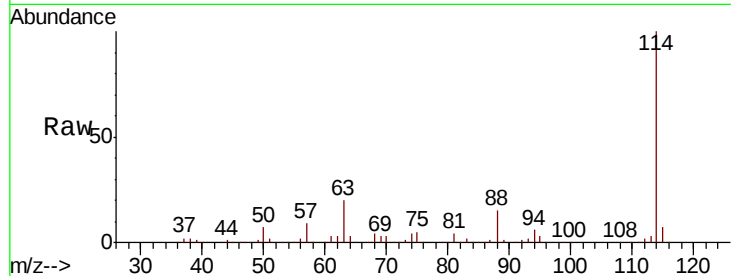




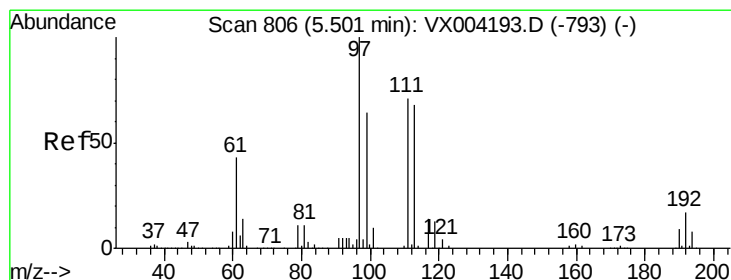
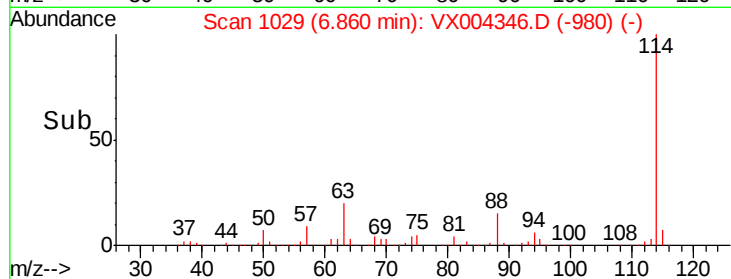
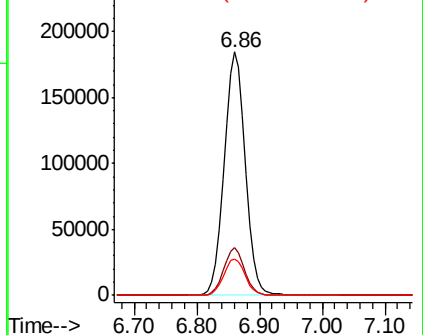
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004346.D
 Acq: 04 Sep 2018 14:52

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SAMPLEMANAG

Tot Ion:114 Resp: 428999
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.0
 88 15.1 0.0 30.4

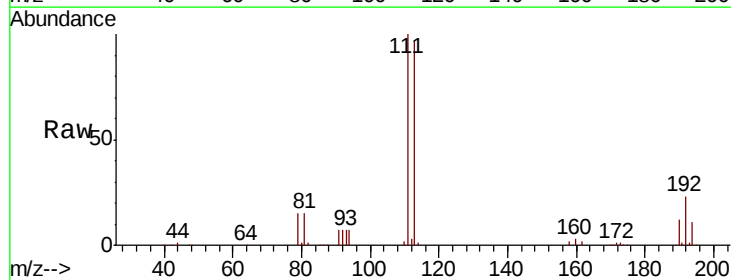


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

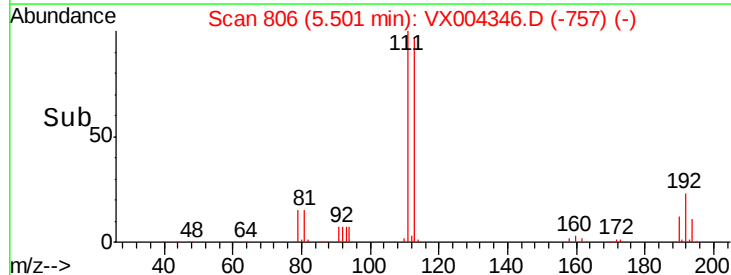
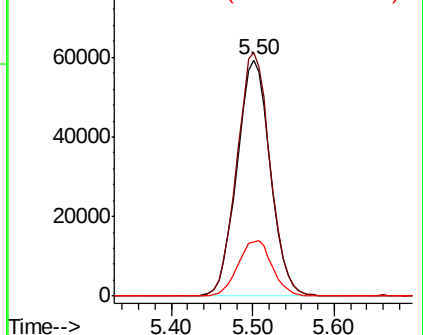


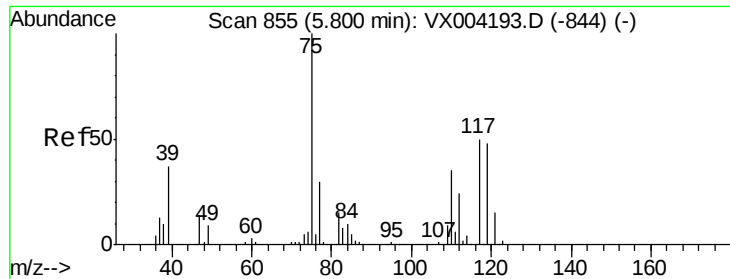
#35
 Dibromofluoromethane
 Concen: 52.61 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004346.D
 Acq: 04 Sep 2018 14:52

Tgt Ion:113 Resp: 167892
 Ion Ratio Lower Upper
 113 100
 111 103.0 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

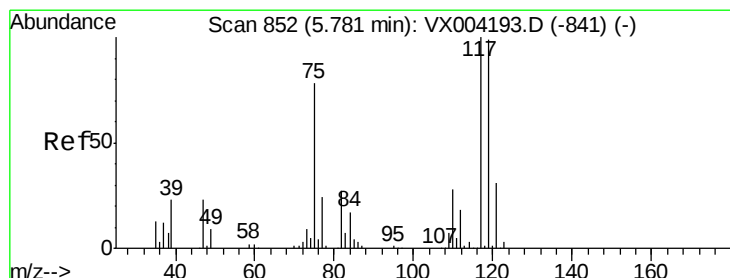
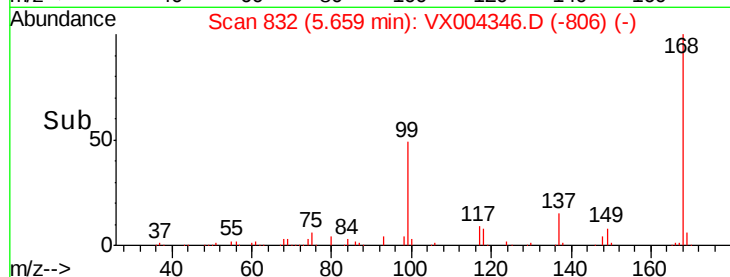
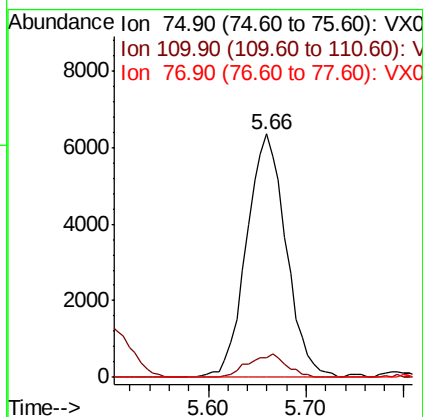
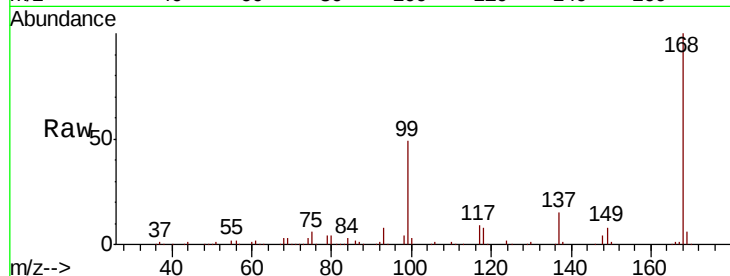




#36
 1,1-Dichloropropene
 Concen: 3.68 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX004346.D
 Acq: 04 Sep 2018 14:52

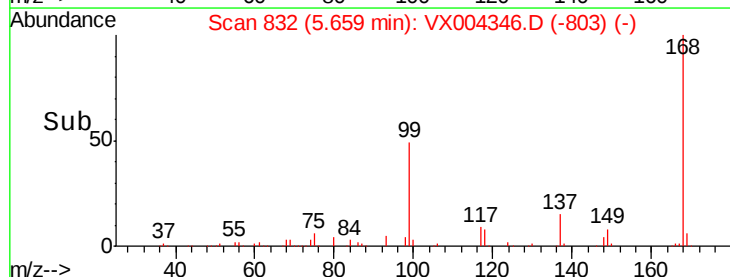
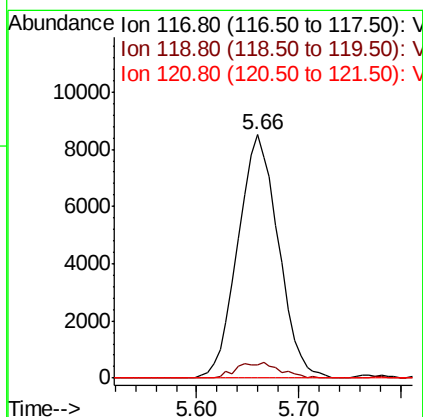
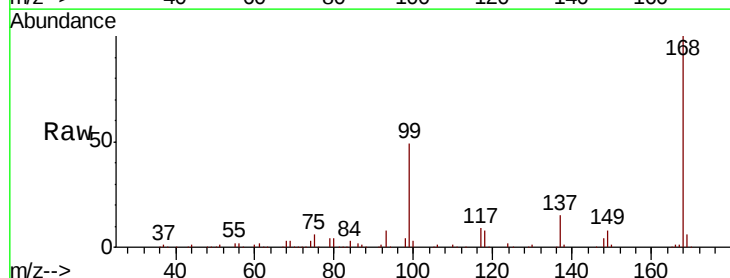
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SAMPLEMANAG

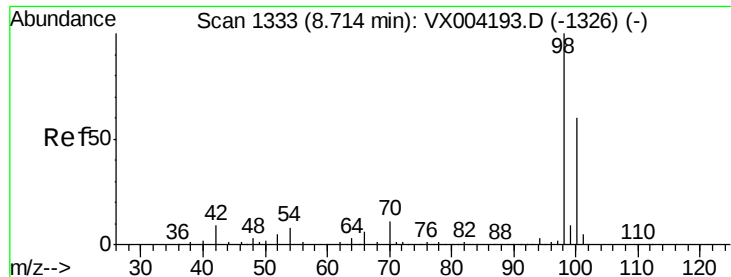
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.0	54.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.18 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.12 min
 Lab File: VX004346.D
 Acq: 04 Sep 2018 14:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	78.8	118.2#
121	0.0	24.9	37.3#

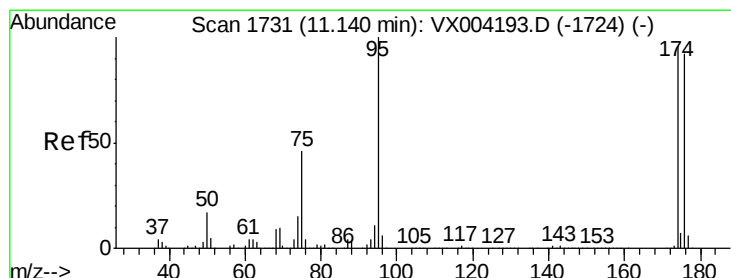
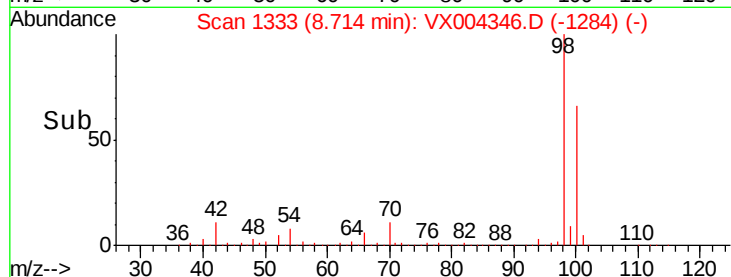
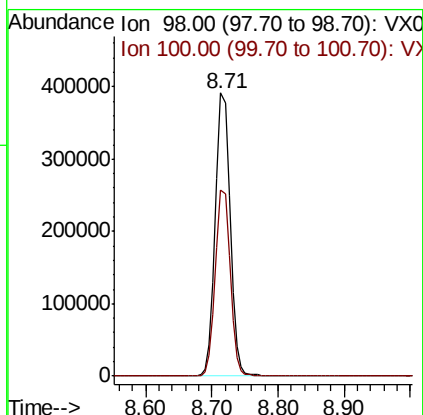
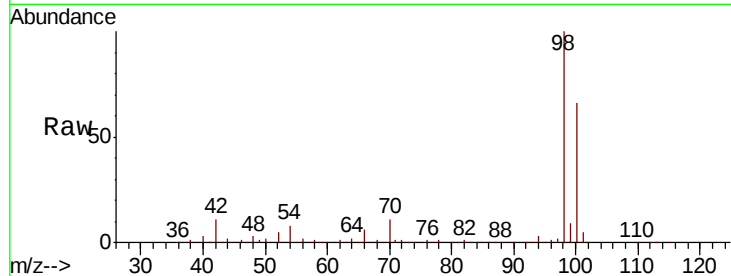




#50
Toluene-d8
Concen: 50.77 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004346.D
Acq: 04 Sep 2018 14:52

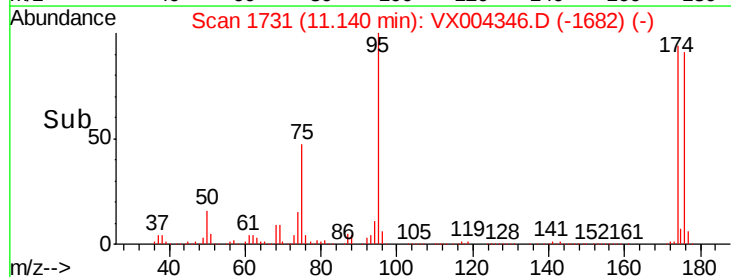
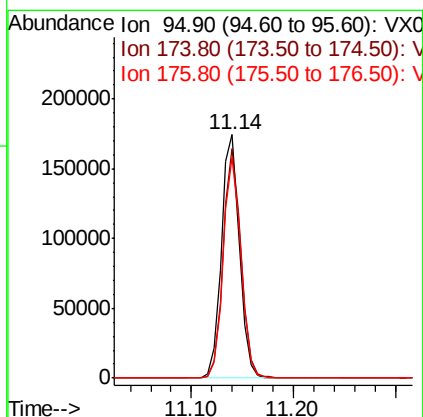
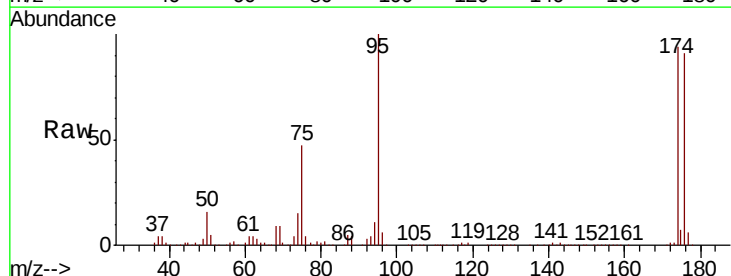
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SAMPLEMANAG

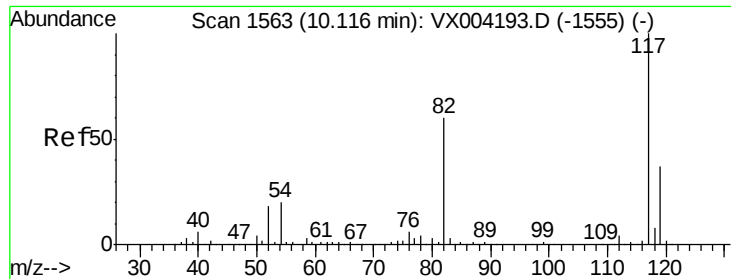
Tot Ion: 98 Resp: 611610
Ion Ratio Lower Upper
98 100
100 65.9 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 48.17 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004346.D
Acq: 04 Sep 2018 14:52

Tgt Ion: 95 Resp: 216537
Ion Ratio Lower Upper
95 100
174 92.2 0.0 185.2
176 89.2 0.0 178.6

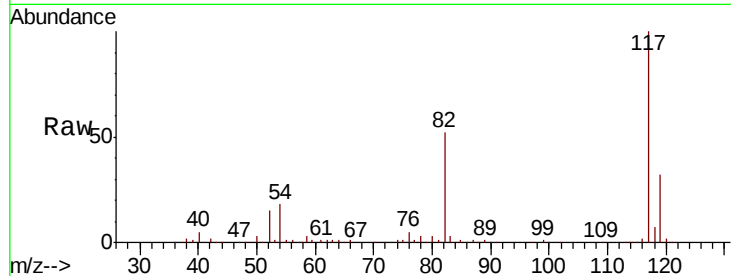




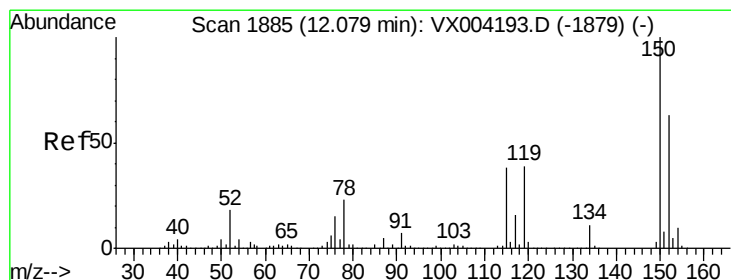
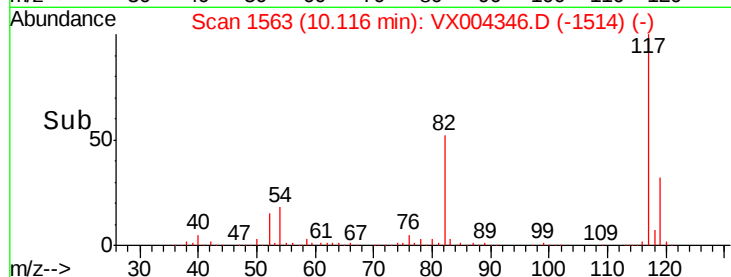
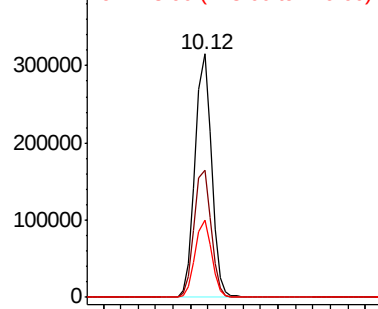
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004346.D
Acq: 04 Sep 2018 14:52

Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SAMPLEMANAG

Tot Ion:117 Resp: 410790
Ion Ratio Lower Upper
117 100
82 52.0 47.8 71.6
119 31.6 29.3 43.9

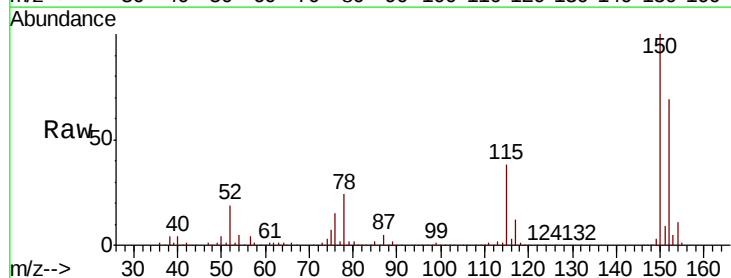


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

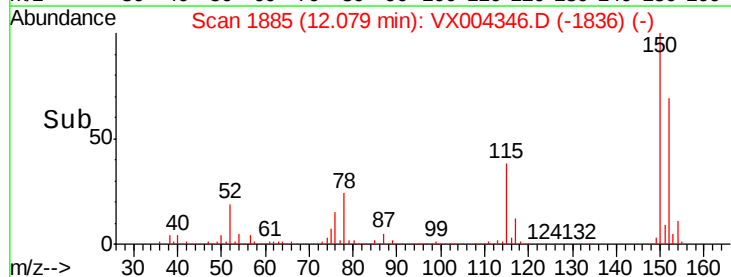
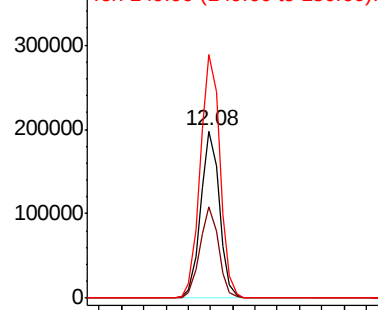


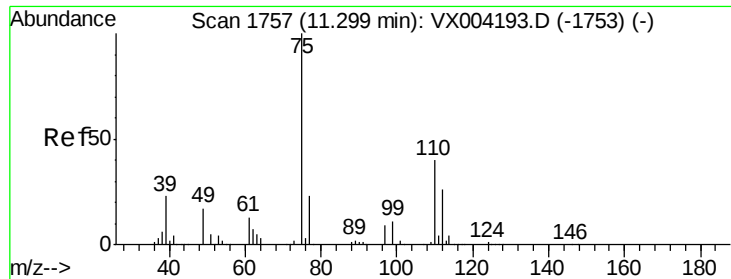
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004346.D
Acq: 04 Sep 2018 14:52

Tgt Ion:152 Resp: 230543
Ion Ratio Lower Upper
152 100
115 54.7 39.0 117.0
150 153.7 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

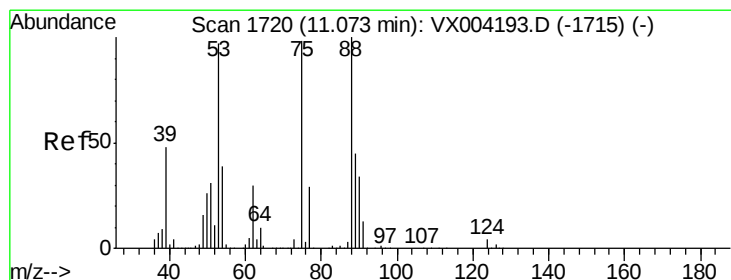
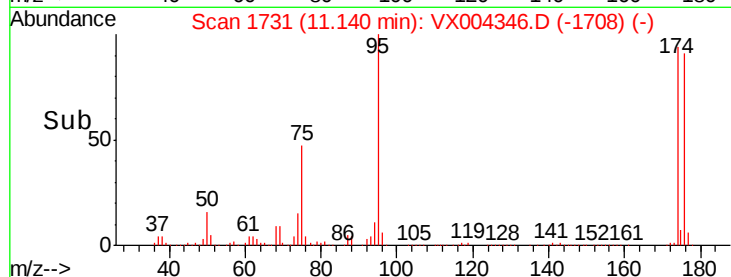
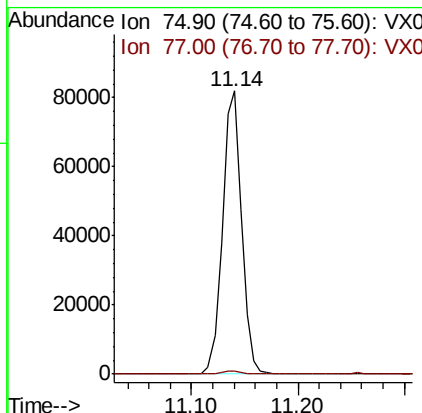
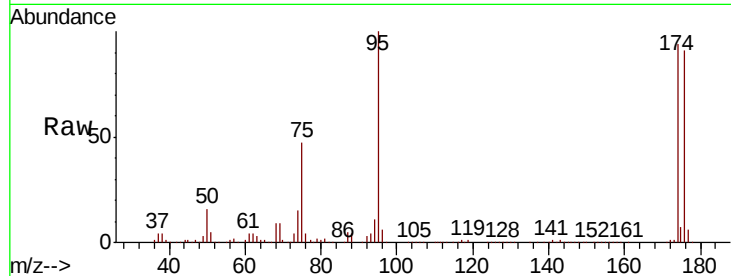




#76
 1,2,3-Trichloropropane
 Concen: 21.81 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX004346.D
 Acq: 04 Sep 2018 14:52

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SAMPLEMANAG

Tot Ion: 75 Resp: 102243
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.75 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.07 min
 Lab File: VX004346.D
 Acq: 04 Sep 2018 14:52

Tgt Ion: 75 Resp: 102243
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.1 120.1#
 89 0.0 37.2 55.8#

