

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090718\
 Data File : VX004407.D
 Acq On : 07 Sep 2018 15:11
 Operator : JC/MD
 Sample : J4812-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB090618

Quant Time: Sep 08 03:22:06 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	5.67	168	315399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	504844	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	453350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	269106	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	216530	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	
35) Dibromofluoromethane	5.50	113	189895	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
50) Toluene-d8	8.71	98	712834	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	11.14	95	253868	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	

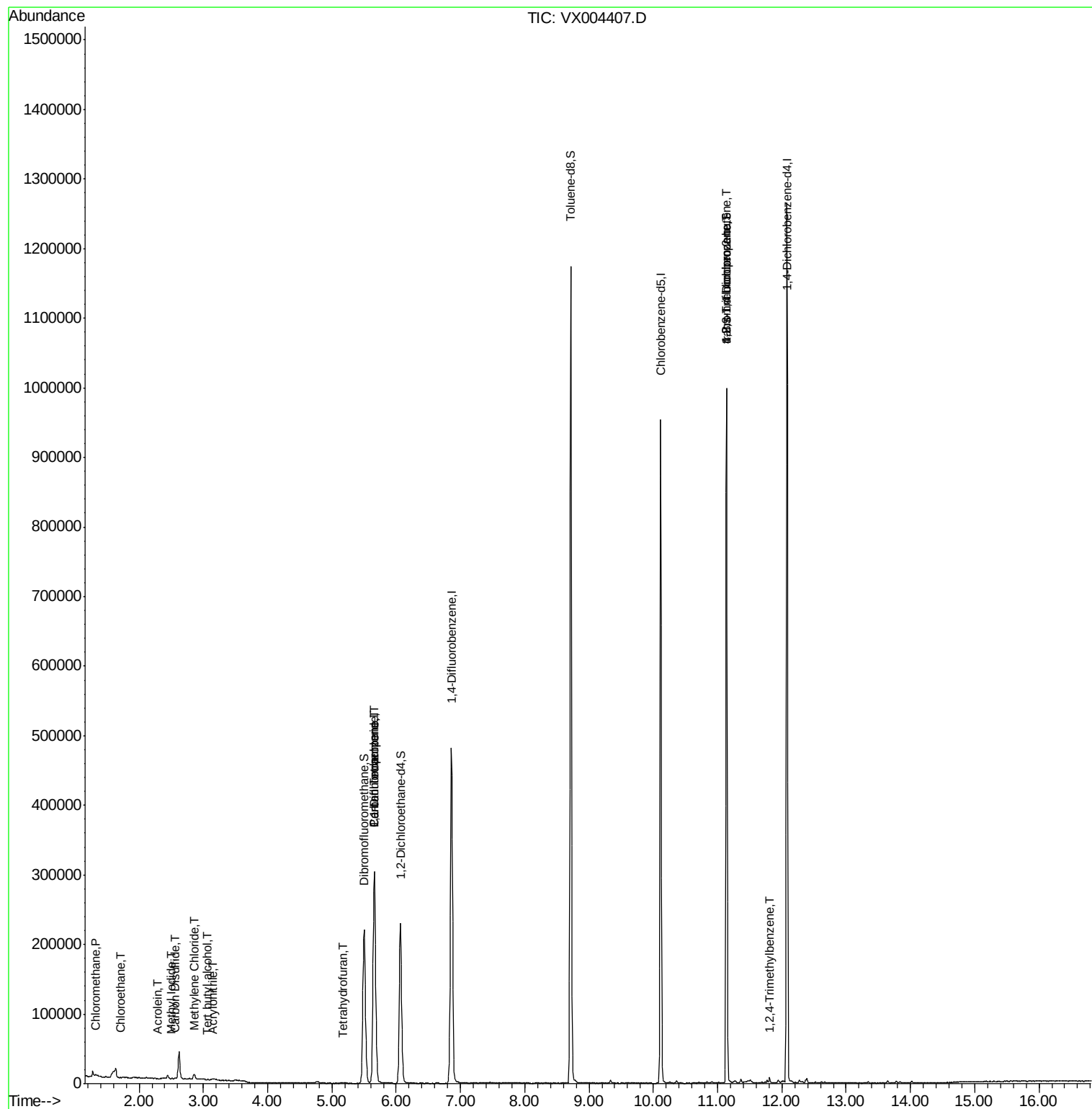
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1321	0.62	ug/l	90
5) Bromomethane	1.64	94	1287	Below Cal		90
6) Chloroethane	1.71	64	1490	1.41	ug/l #	55
10) Methyl Iodide	2.51	142	1344	4.57	ug/l	94
11) Tert butyl alcohol	3.07	59	367	0.42	ug/l #	88
13) Acrolein	2.29	56	278	1.32	ug/l #	59
15) Acrylonitrile	3.15	53	783	0.36	ug/l	96
16) Acetone	2.45	43	5429	Below Cal		94
17) Carbon Disulfide	2.56	76	1594	0.97	ug/l #	85
20) Methylene Chloride	2.85	84	3071	0.78	ug/l	92
25) 2-Butanone	4.70	43	418	Below Cal	#	47
29) Tetrahydrofuran	5.17	42	947	0.54	ug/l #	79
36) 1,1-Dichloropropene	5.67	75	20428	3.60	ug/l #	49
38) Carbon Tetrachloride	5.66	117	27917	5.23	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	118233	21.60	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	118233	70.09	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	3075	0.20	ug/l	100

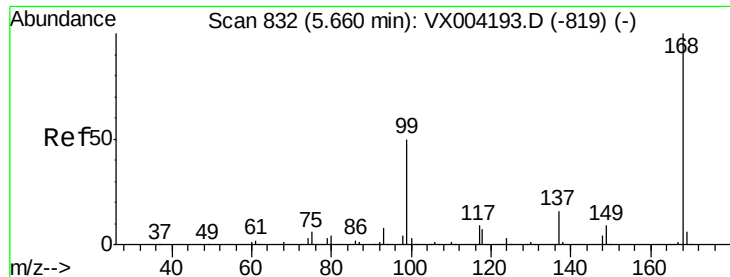
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090718\
Data File : VX004407.D
Acq On : 07 Sep 2018 15:11
Operator : JC/MD
Sample : J4812-10
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB090618

Quant Time: Sep 08 03:22:06 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

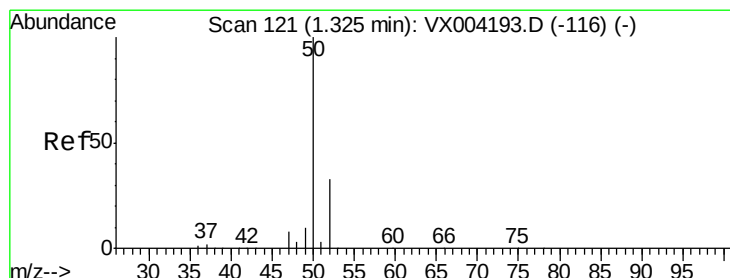
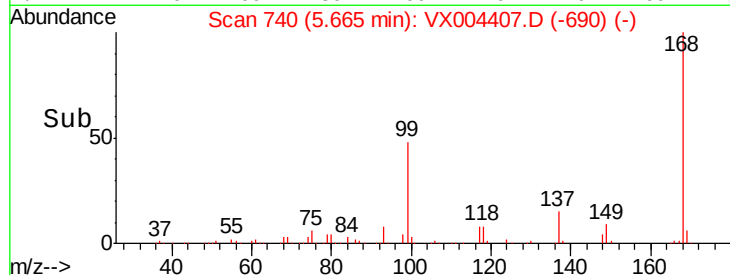
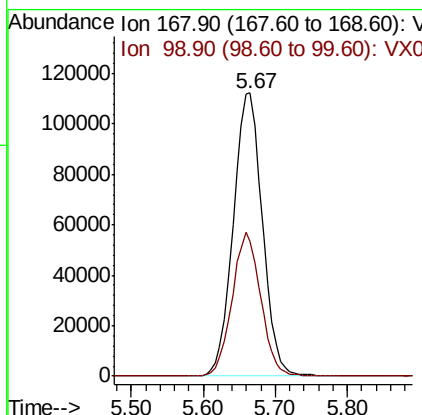
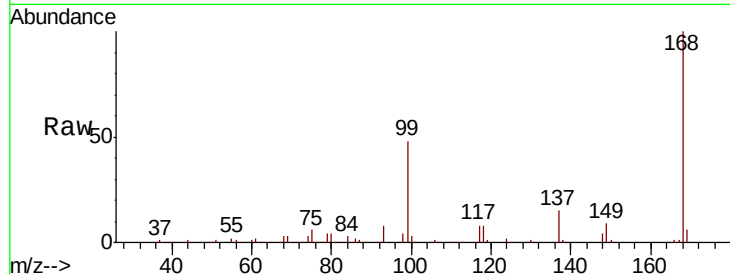




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX004407.D
Acq: 07 Sep 2018 15:11

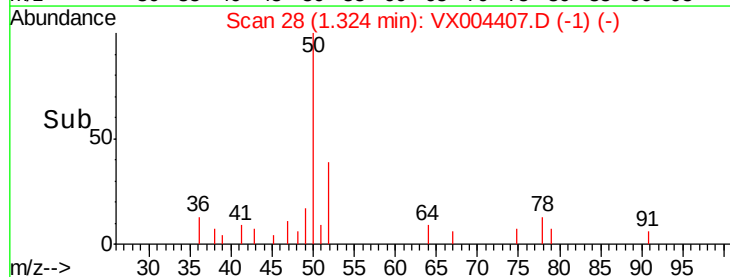
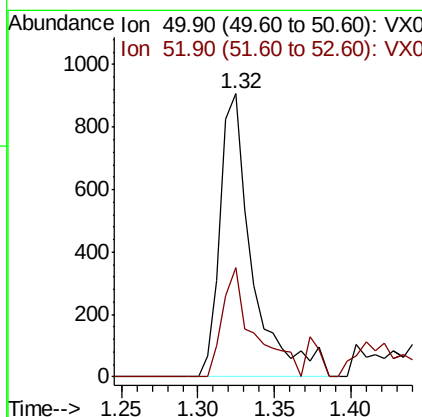
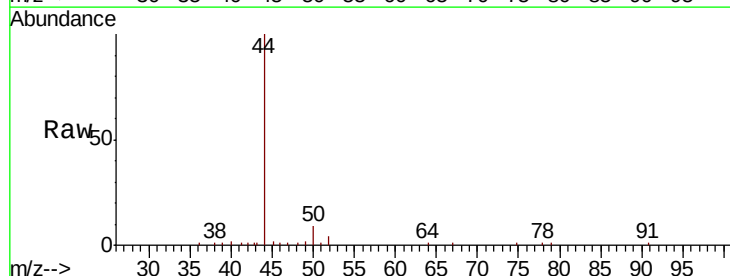
Instrument :
MSVOA_X
ClientSampleId :
TB090618

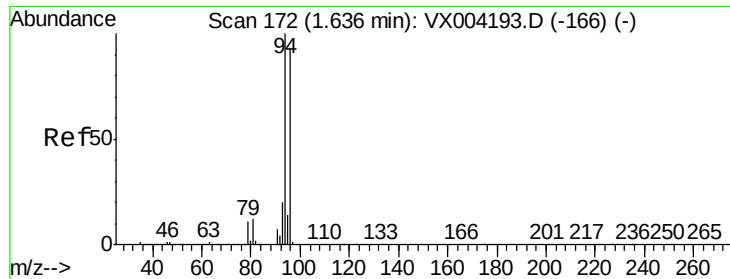
Tot Ion:168 Resp: 315399
Ion Ratio Lower Upper
168 100
99 47.5 39.9 59.9



#3
Chloromethane
Concen: 0.62 ug/l
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX004407.D
Acq: 07 Sep 2018 15:11

Tgt Ion: 50 Resp: 1321
Ion Ratio Lower Upper
50 100
52 38.6 26.2 39.2





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004407.D

Acq: 07 Sep 2018 15:11

Instrument :

MSVOA_X

ClientSampled :

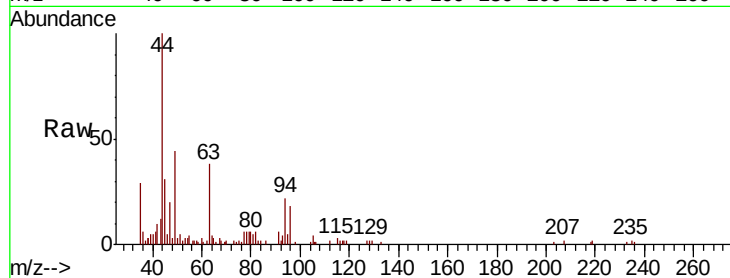
TB090618

Tot Ion: 94 Resp: 1287

Ion Ratio Lower Upper

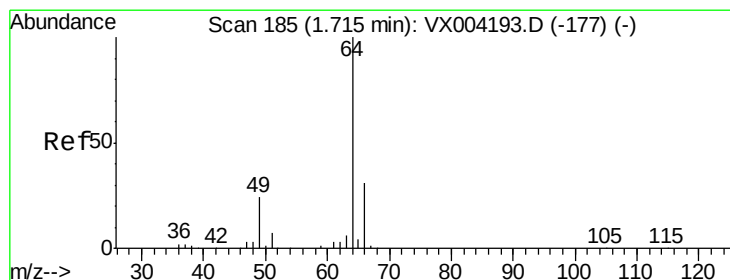
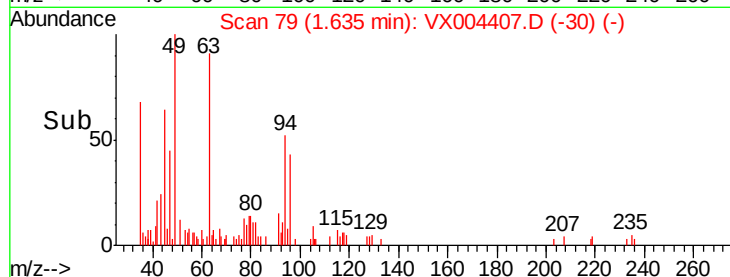
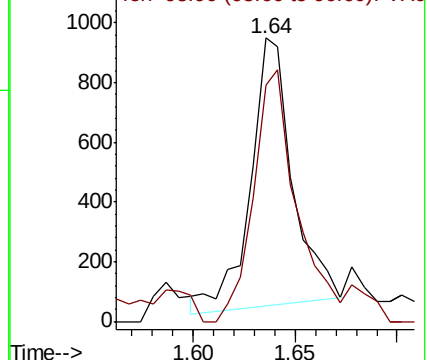
94 100

96 83.8 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: 1.41 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX004407.D

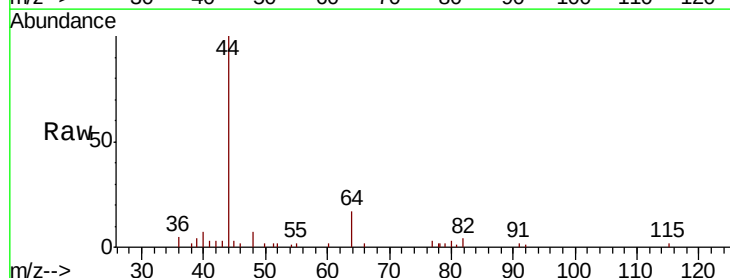
Acq: 07 Sep 2018 15:11

Tgt Ion: 64 Resp: 1490

Ion Ratio Lower Upper

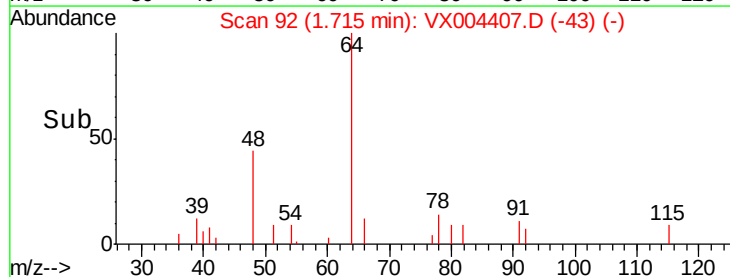
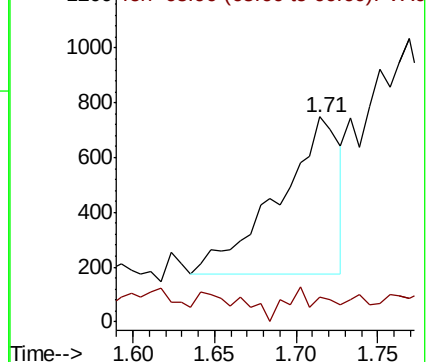
64 100

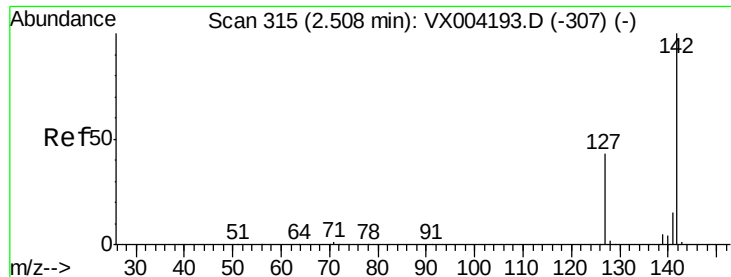
66 6.1 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

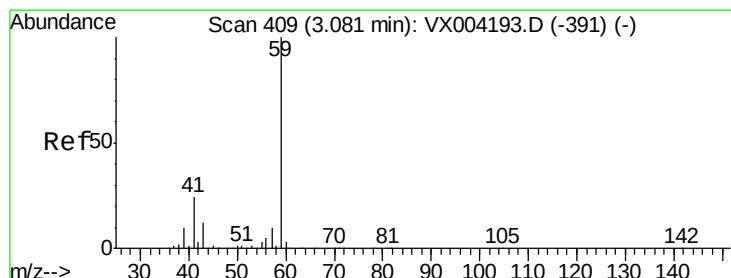
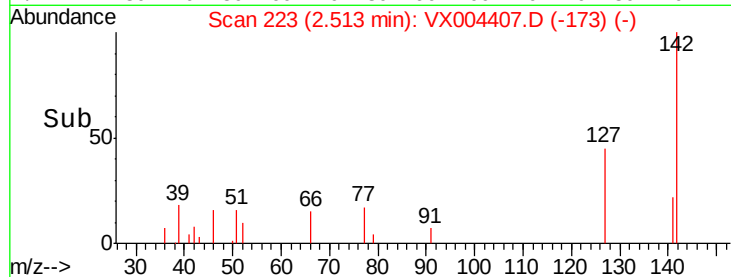
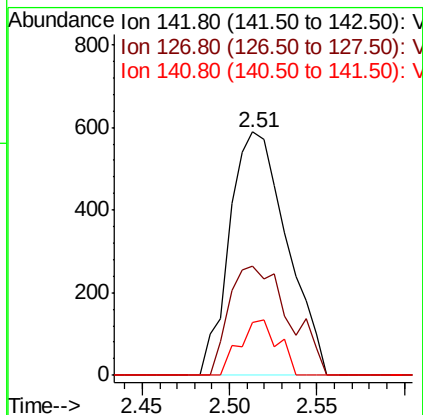
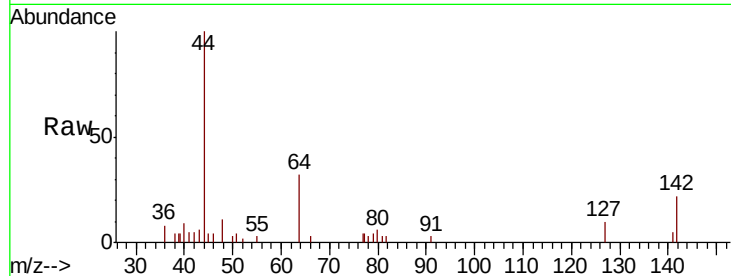




#10
Methyl Iodide
Concen: 4.57 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX004407.D
Acq: 07 Sep 2018 15:11

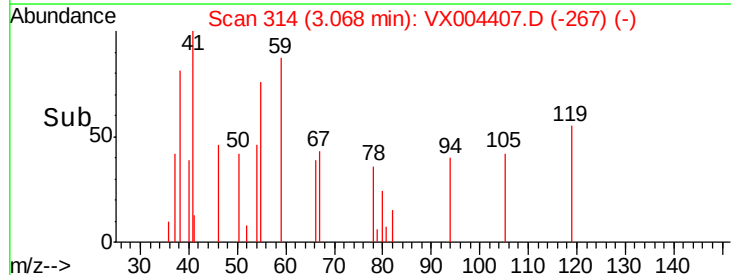
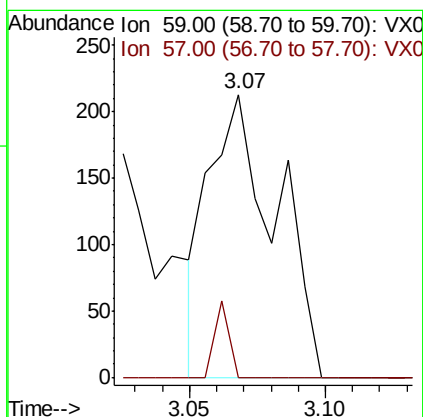
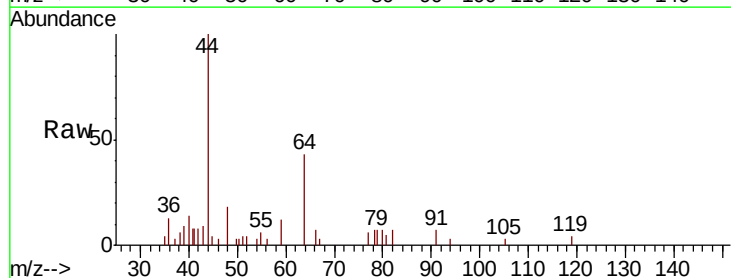
Instrument :
MSVOA_X
ClientSampleId :
TB090618

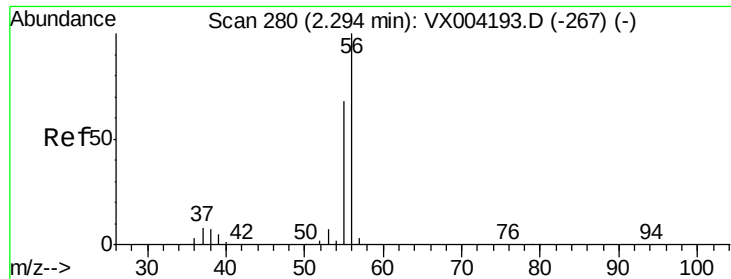
Tot Ion:142 Resp: 1344
Ion Ratio Lower Upper
142 100
127 46.9 33.8 50.6
141 15.2 11.4 17.0



#11
Tert butyl alcohol
Concen: 0.42 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004407.D
Acq: 07 Sep 2018 15:11

Tgt Ion: 59 Resp: 367
Ion Ratio Lower Upper
59 100
57 5.7 8.2 12.4#





#13

Acrolein

Concen: 1.32 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004407.D

Acq: 07 Sep 2018 15:11

Instrument :

MSVOA_X

ClientSampled :

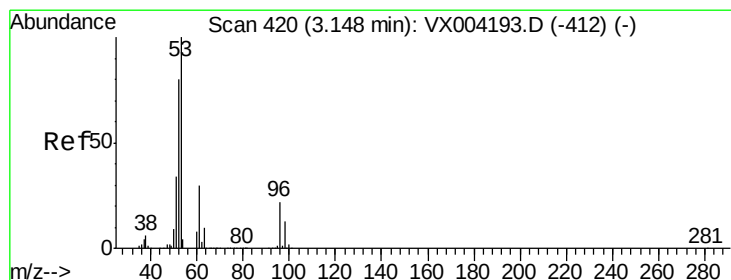
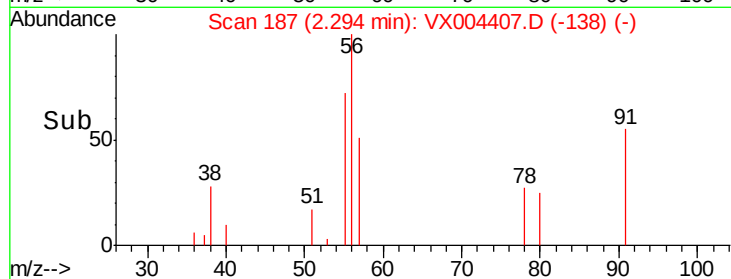
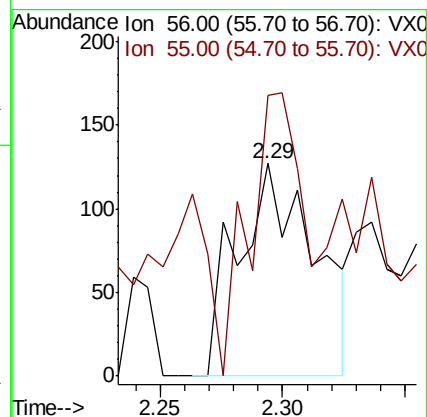
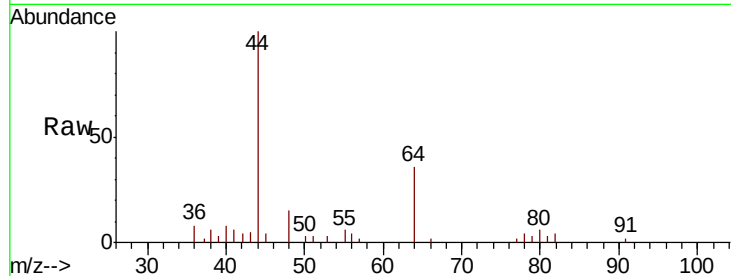
TB090618

Tot Ion: 56 Resp: 278

Ion Ratio Lower Upper

56 100

55 101.4 54.7 82.1#



#15

Acrylonitrile

Concen: 0.36 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004407.D

Acq: 07 Sep 2018 15:11

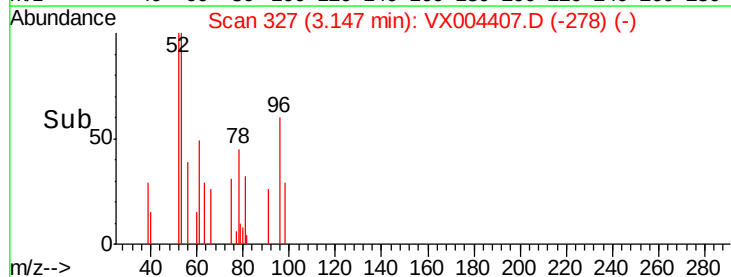
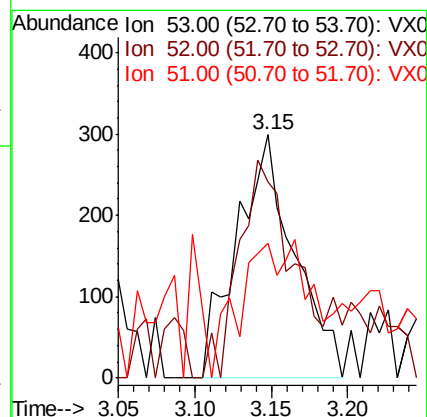
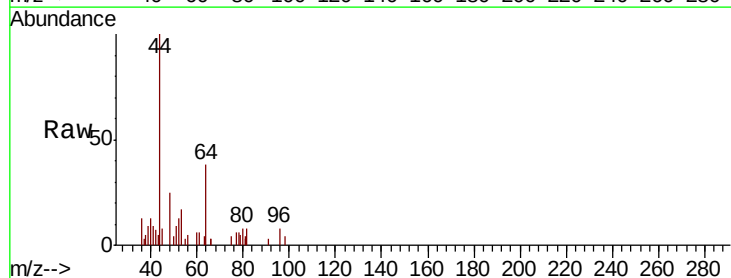
Tgt Ion: 53 Resp: 783

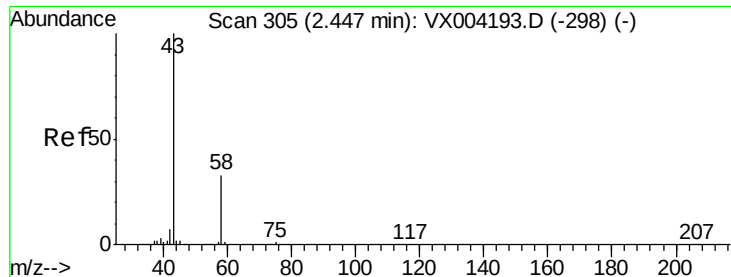
Ion Ratio Lower Upper

53 100

52 84.2 65.2 97.8

51 38.1 28.2 42.2





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004407.D

Acq: 07 Sep 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

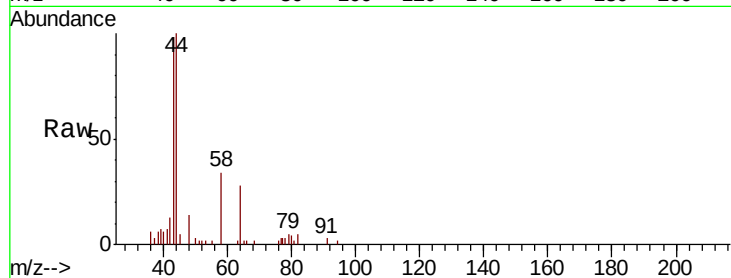
TB090618

Tot Ion: 43 Resp: 5429

Ion Ratio Lower Upper

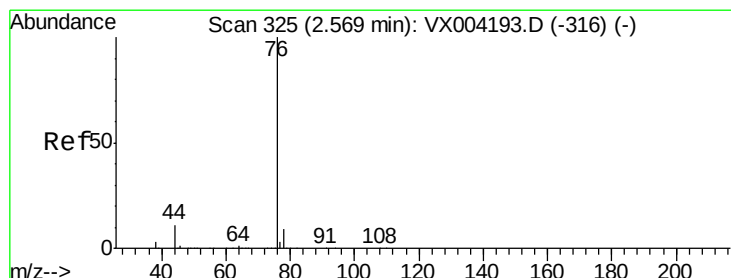
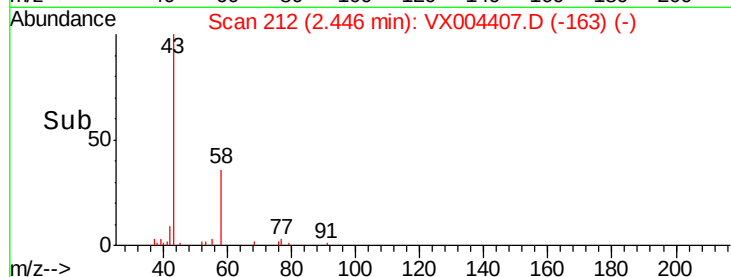
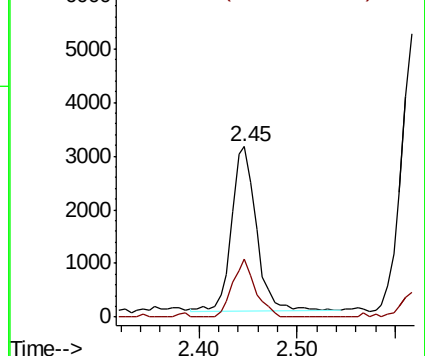
43 100

58 35.9 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: 0.97 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX004407.D

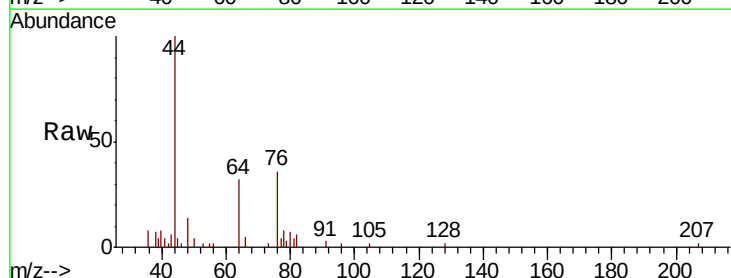
Acq: 07 Sep 2018 15:11

Tgt Ion: 76 Resp: 1594

Ion Ratio Lower Upper

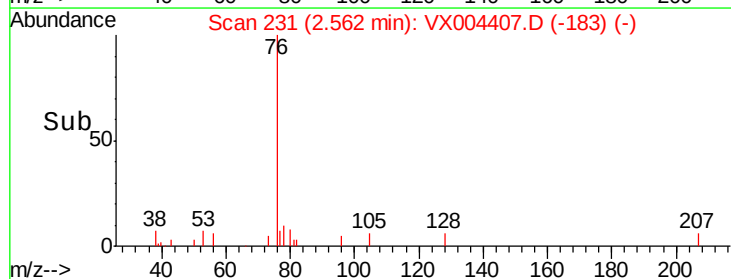
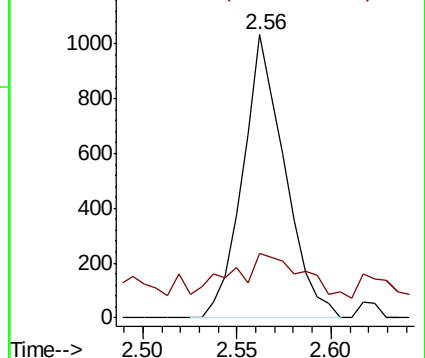
76 100

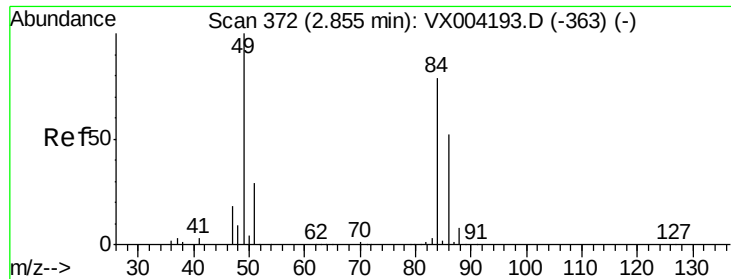
78 14.3 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

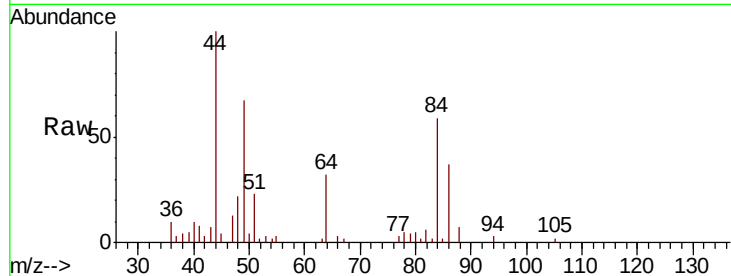




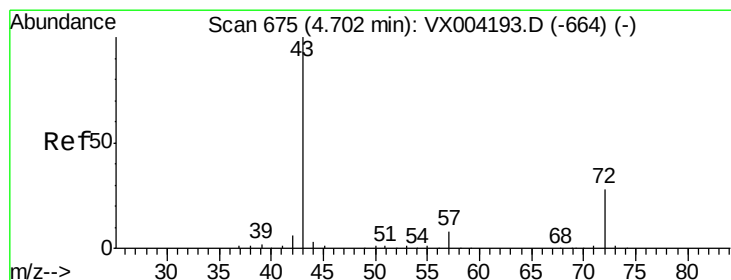
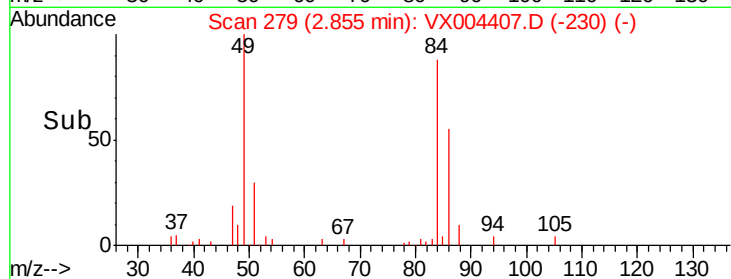
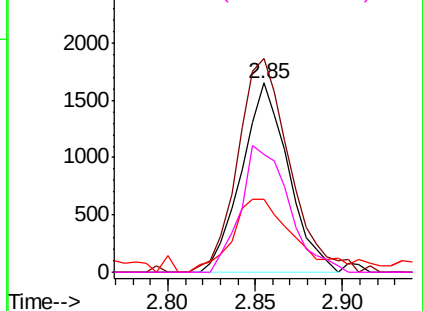
#20
Methylene Chloride
Concen: 0.78 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004407.D
Acq: 07 Sep 2018 15:11

Instrument :
MSVOA_X
ClientSampled :
TB090618

Tot Ion: 84 Resp: 3071
Ion Ratio Lower Upper
84 100
49 113.0 101.2 151.8
51 38.7 29.5 44.3
86 62.3 52.3 78.5

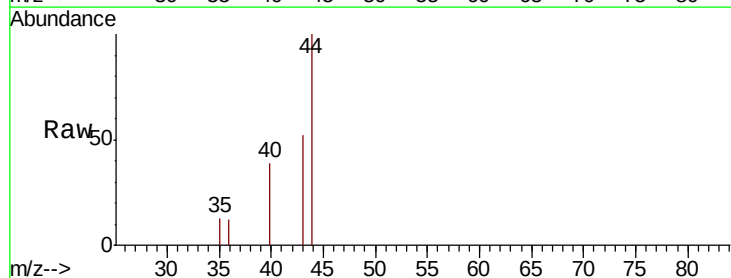


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

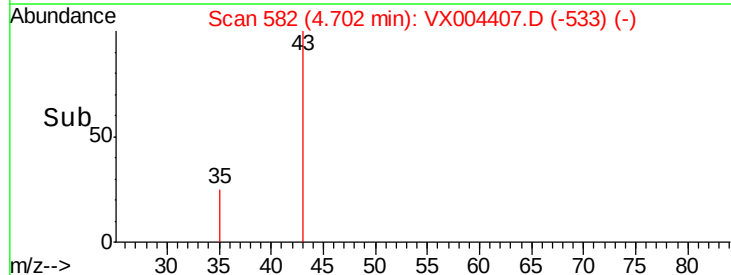
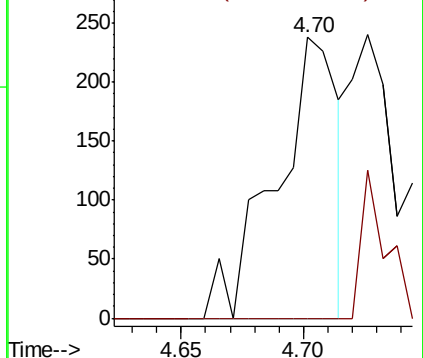


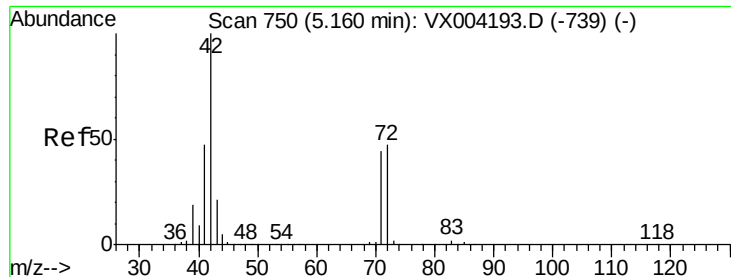
#25
2-Butanone
Concen: Below Cal
RT: 4.70 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX004407.D
Acq: 07 Sep 2018 15:11

Tgt Ion: 43 Resp: 418
Ion Ratio Lower Upper
43 100
72 0.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.54 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX004407.D

Acq: 07 Sep 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

TB090618

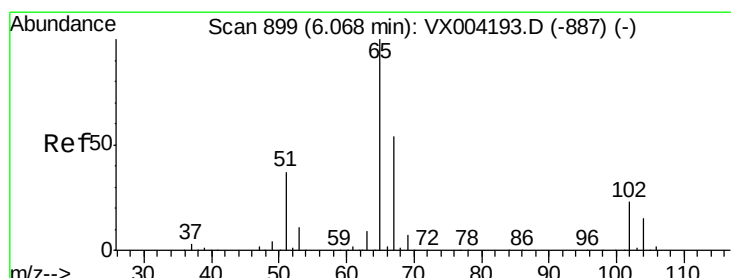
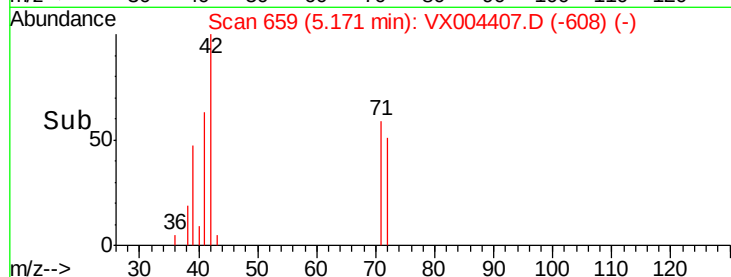
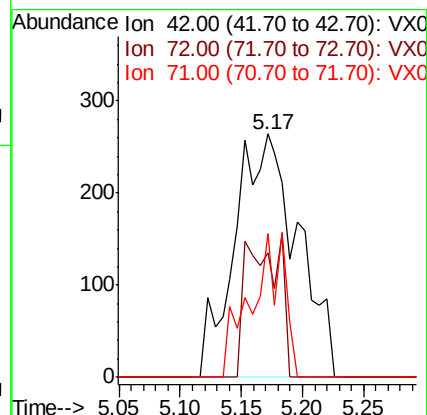
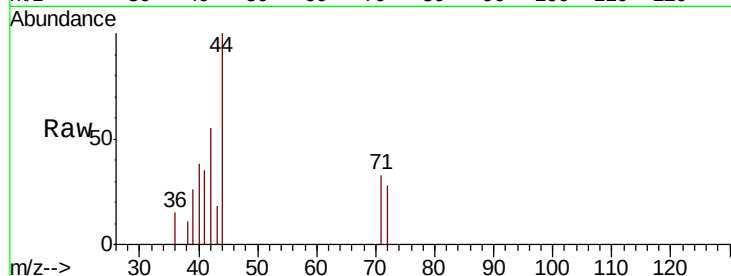
Tot Ion: 42 Resp: 947

Ion Ratio Lower Upper

42 100

72 30.4 37.4 56.0#

71 31.9 34.5 51.7#



#33

1,2-Dichloroethane-d4

Concen: 52.67 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004407.D

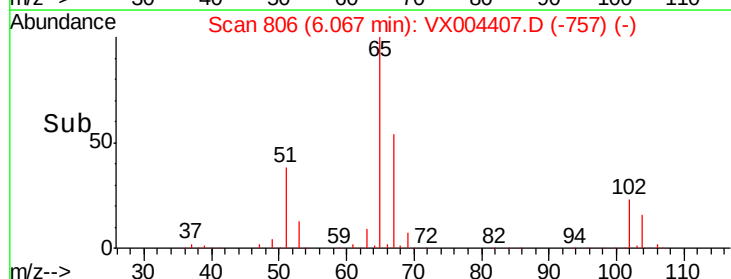
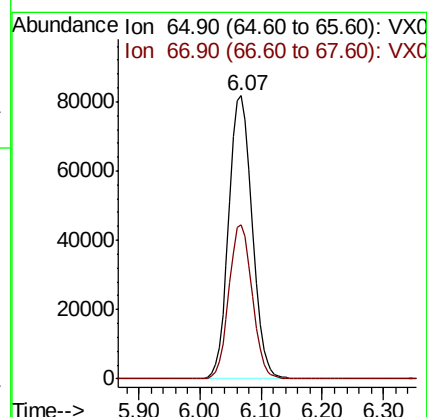
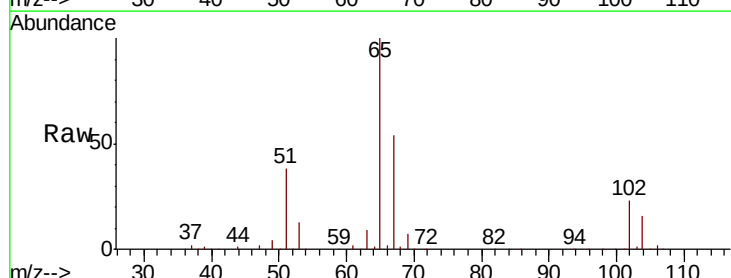
Acq: 07 Sep 2018 15:11

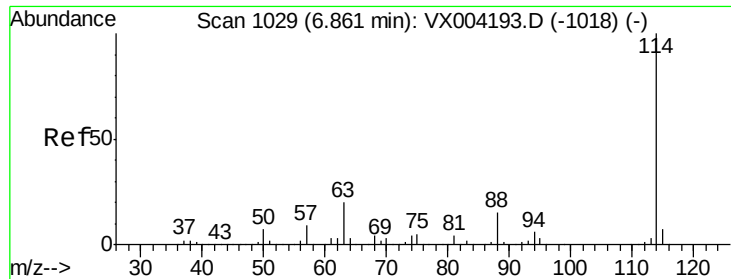
Tgt Ion: 65 Resp: 216530

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004407.D

Acq: 07 Sep 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

TB090618

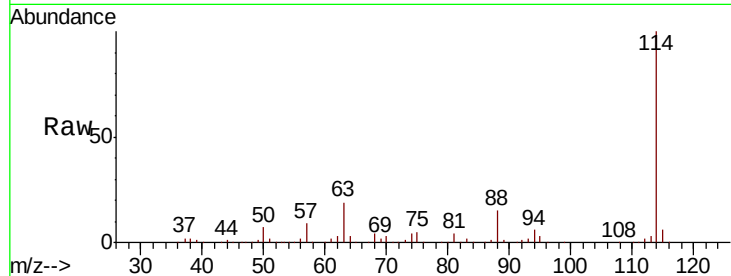
Tot Ion:114 Resp: 504844

Ion Ratio Lower Upper

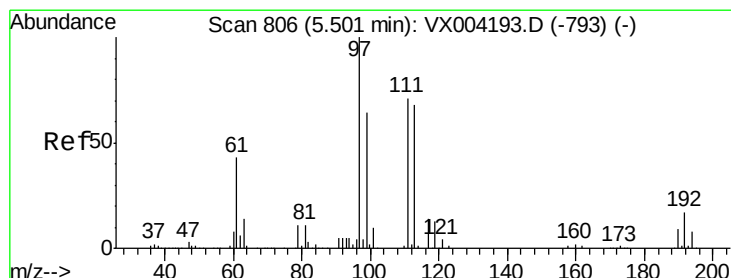
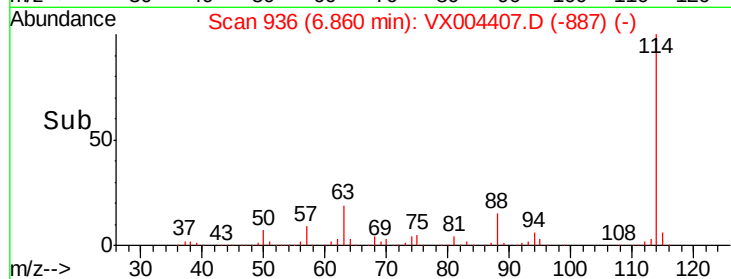
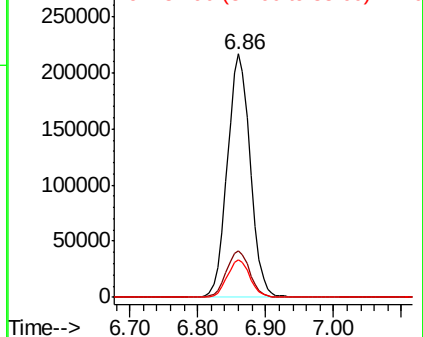
114 100

63 19.3 0.0 39.0

88 15.2 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: 50.56 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004407.D

Acq: 07 Sep 2018 15:11

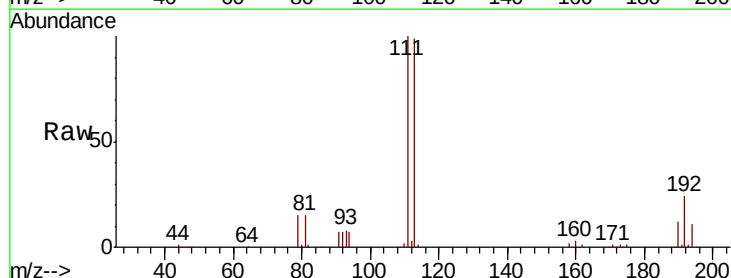
Tgt Ion:113 Resp: 189895

Ion Ratio Lower Upper

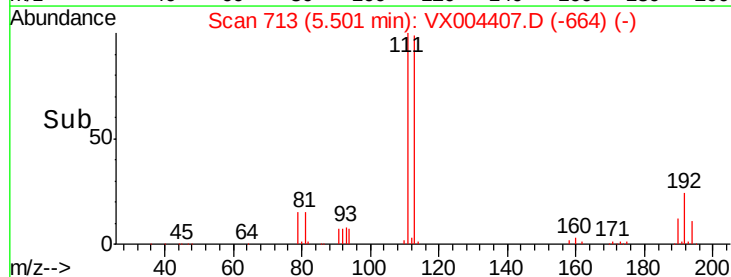
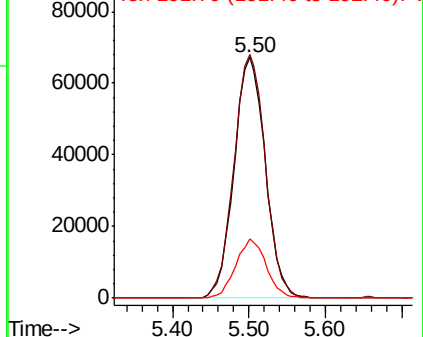
113 100

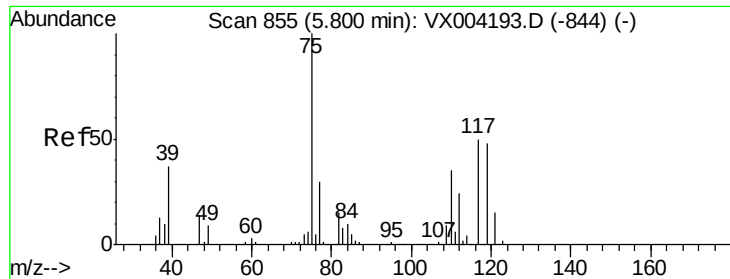
111 101.9 82.4 123.6

192 24.1 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

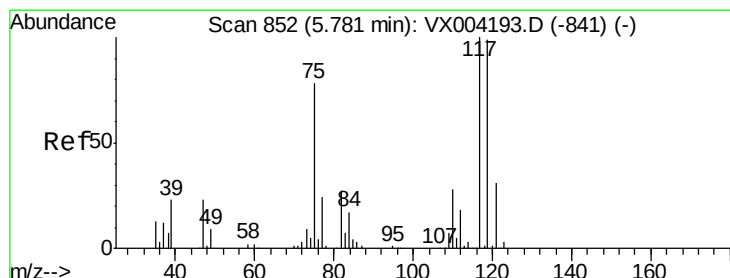
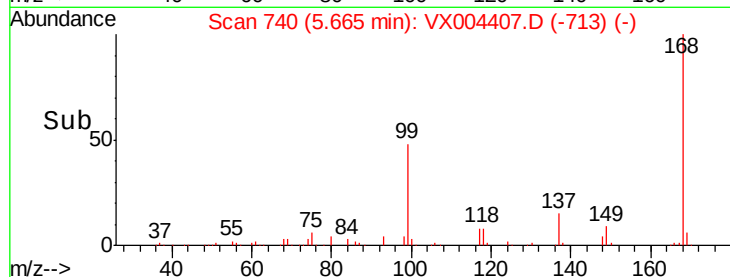
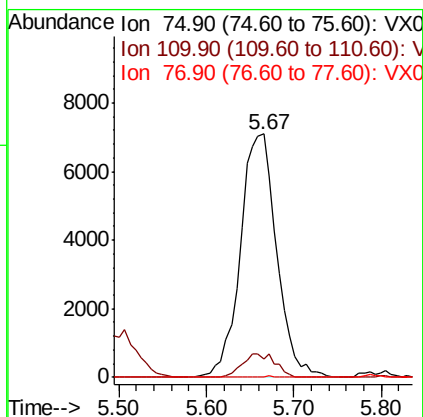
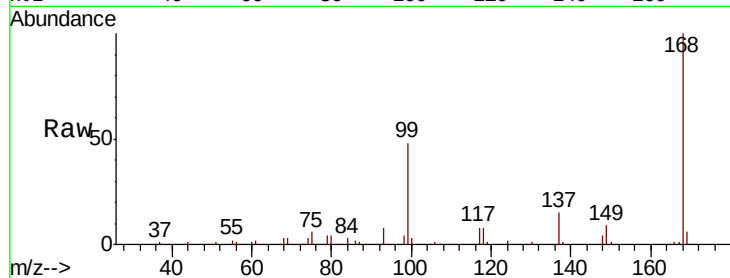




#36
 1,1-Dichloropropene
 Concen: 3.60 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004407.D
 Acq: 07 Sep 2018 15:11

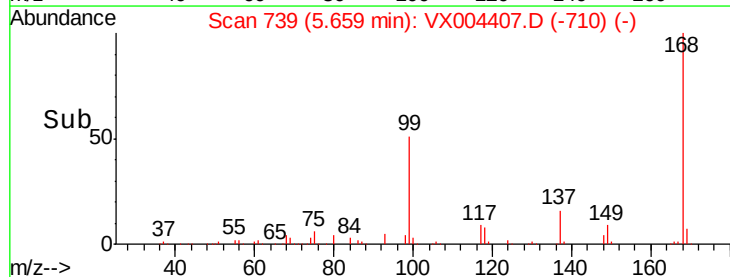
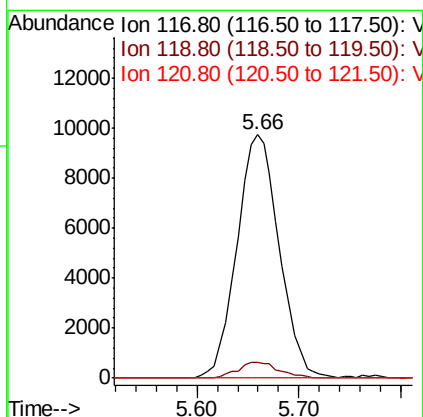
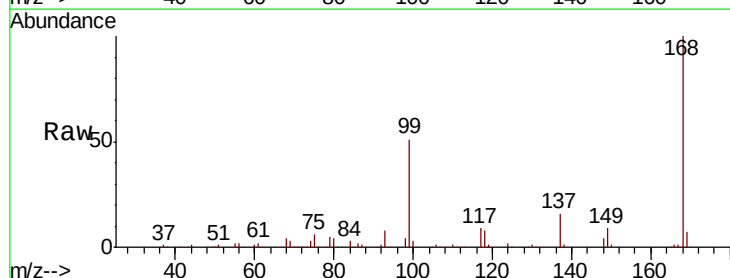
Instrument :
 MSVOA_X
 ClientSampleId :
 TB090618

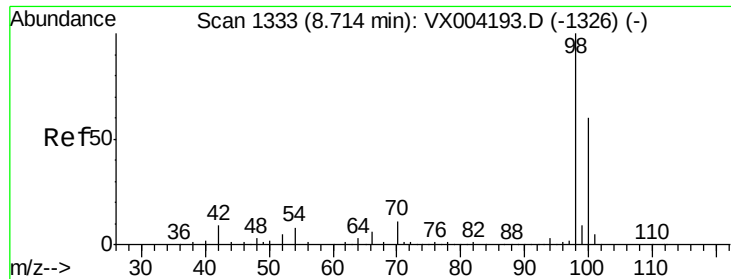
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.0	54.0#
77	0.1	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.23 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX004407.D
 Acq: 07 Sep 2018 15:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	78.8	118.2#
121	0.0	24.9	37.3#





#50

Toluene-d8

Concen: 50.28 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX004407.D

Acq: 07 Sep 2018 15:11

Instrument :

MSVOA_X

ClientSampled :

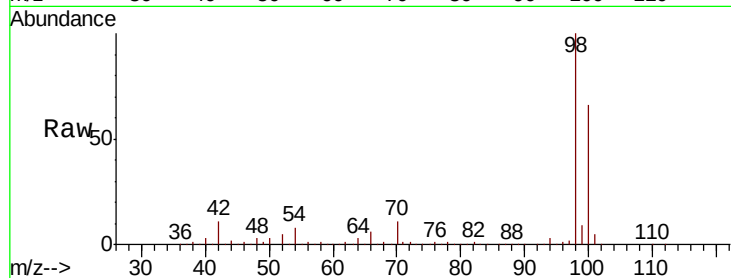
TB090618

Tot Ion: 98 Resp: 712834

Ion Ratio Lower Upper

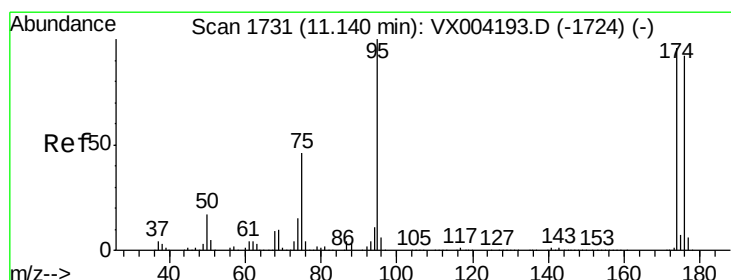
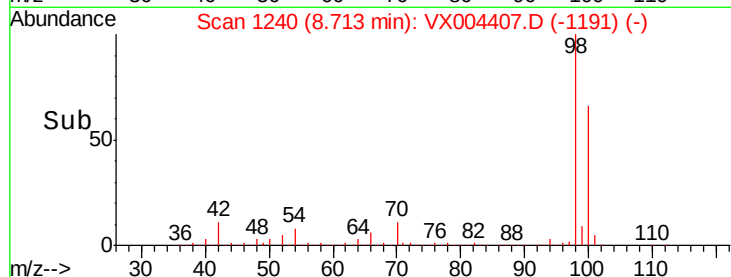
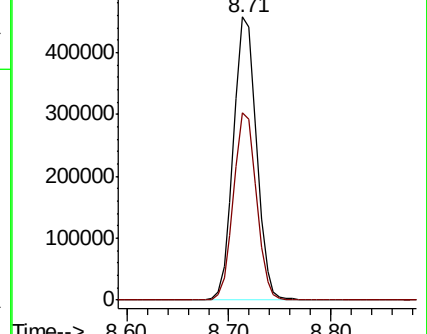
98 100

100 65.9 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: 47.99 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004407.D

Acq: 07 Sep 2018 15:11

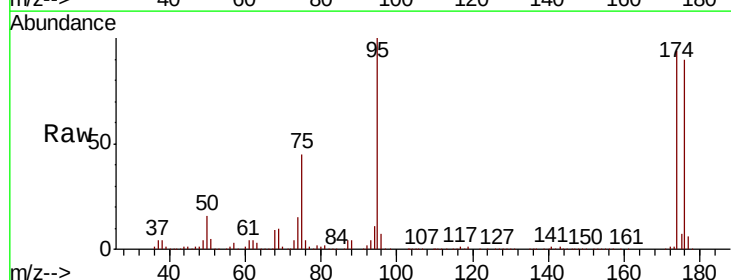
Tgt Ion: 95 Resp: 253868

Ion Ratio Lower Upper

95 100

174 91.7 0.0 185.2

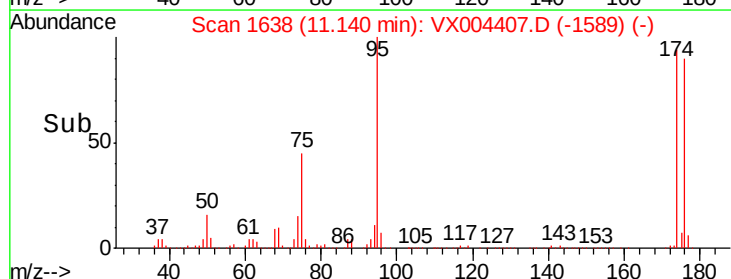
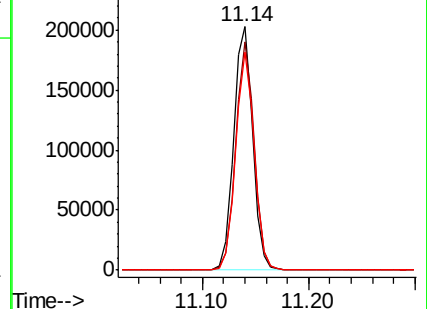
176 88.0 0.0 178.6

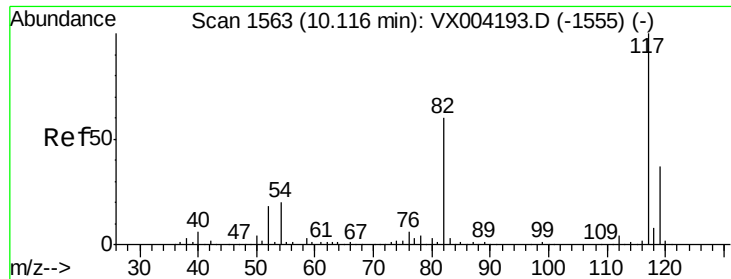


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

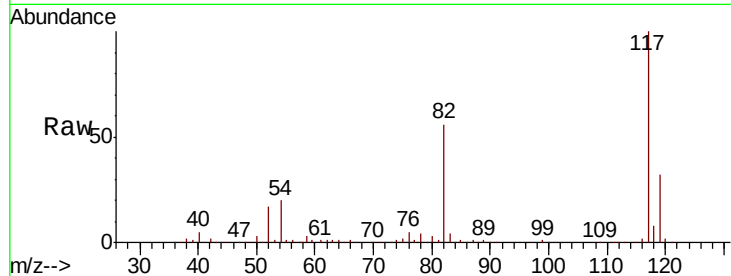




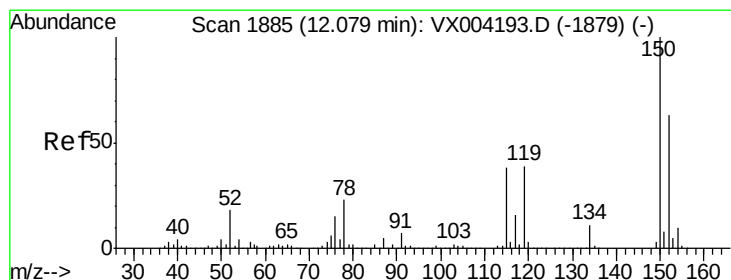
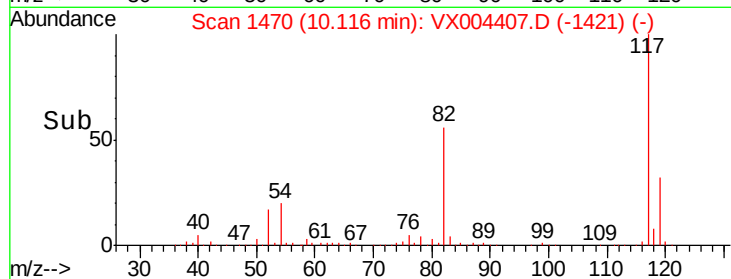
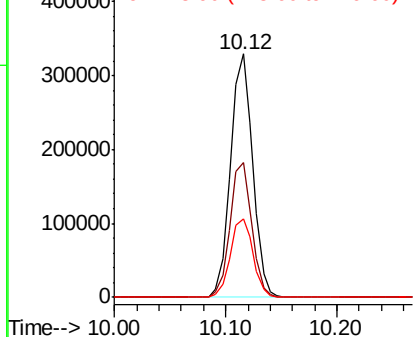
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004407.D
Acq: 07 Sep 2018 15:11

Instrument :
MSVOA_X
ClientSampled :
TB090618

Tot Ion:117 Resp: 453350
Ion Ratio Lower Upper
117 100
82 55.6 47.8 71.6
119 32.1 29.3 43.9

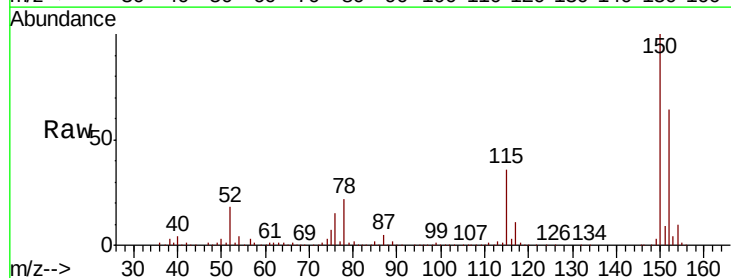


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

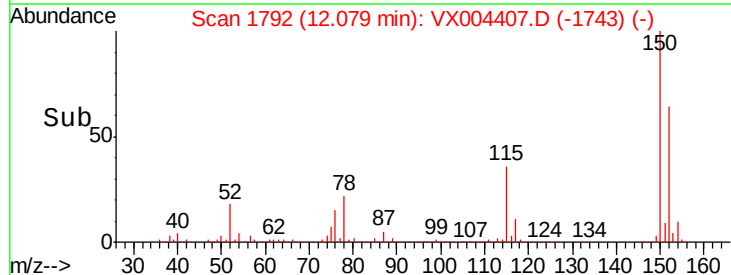
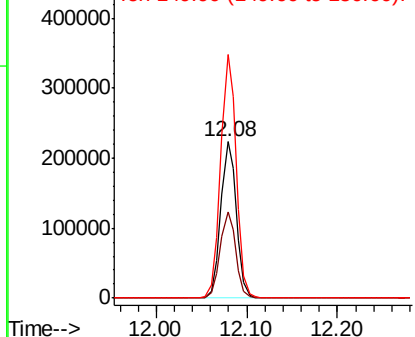


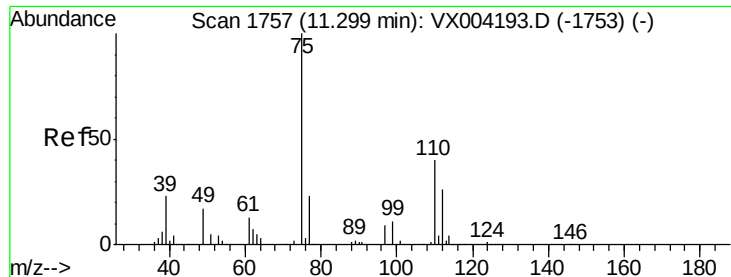
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004407.D
Acq: 07 Sep 2018 15:11

Tgt Ion:152 Resp: 269106
Ion Ratio Lower Upper
152 100
115 54.9 39.0 117.0
150 155.9 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: 21.60 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004407.D

Acq: 07 Sep 2018 15:11

Instrument :

MSVOA_X

ClientSampled :

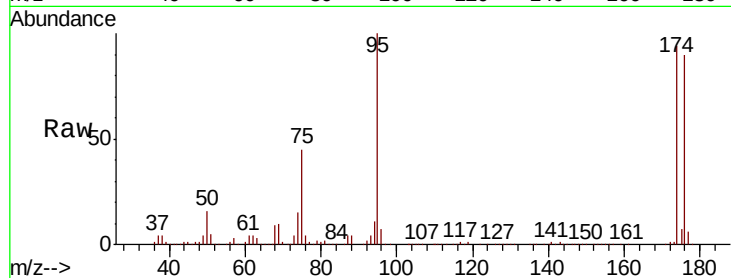
TB090618

Tot Ion: 75 Resp: 118233

Ion Ratio Lower Upper

75 100

77 1.4 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

100000

80000

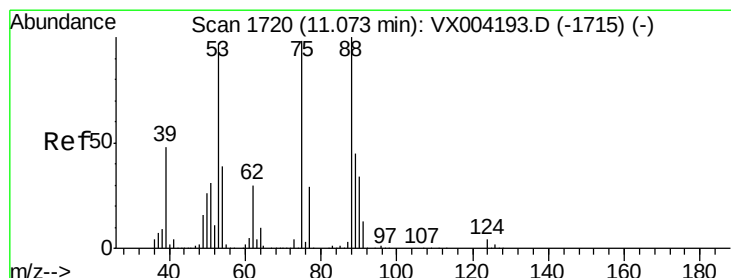
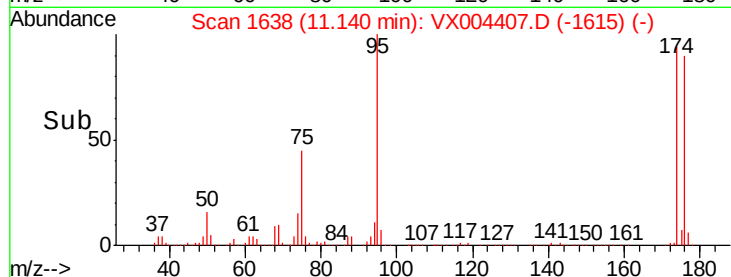
60000

40000

20000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 70.09 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX004407.D

Acq: 07 Sep 2018 15:11

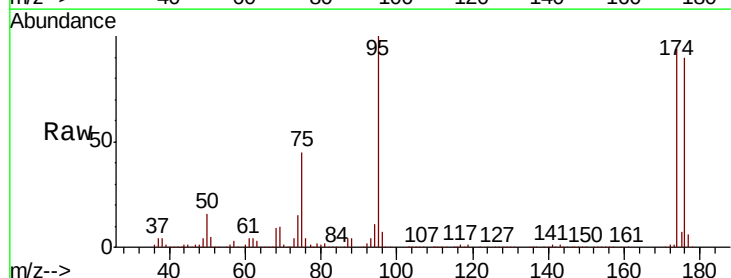
Tgt Ion: 75 Resp: 118233

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

11.14

120000

100000

80000

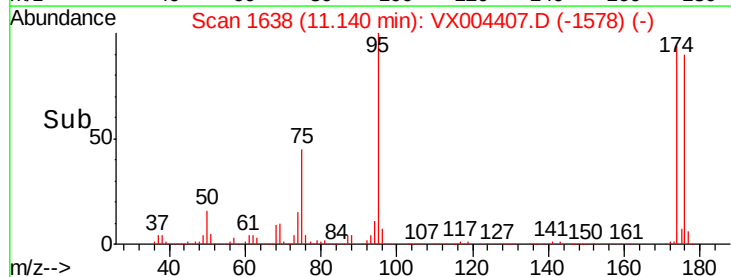
60000

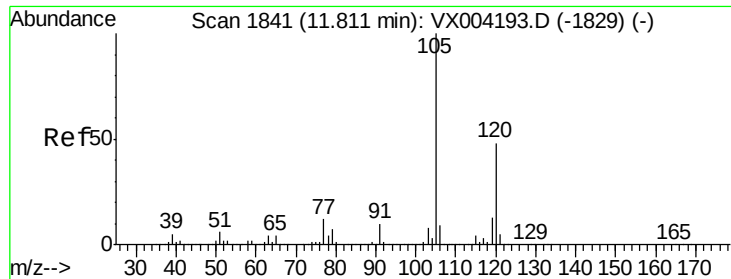
40000

20000

0

Time--> 11.05 11.10 11.15 11.20





#84
 1,2,4-Trimethylbenzene
 Concen: 0.20 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004407.D
 Acq: 07 Sep 2018 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 TB090618

Tot Ion:105 Resp: 3075
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.2 69.6

