

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062818\
 Data File : VX003017.D
 Acq On : 29 Jun 2018 06:41
 Operator : JC/MD
 Sample : J3720-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Jun 29 08:00:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	291903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	409478	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	382827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	222127	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	193993	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
35) Dibromofluoromethane	5.51	113	156649	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
50) Toluene-d8	8.72	98	576435	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
62) 4-Bromofluorobenzene	11.14	95	206013	45.11	ug/l	0.00
Spiked Amount			Recovery	=	90.22%	

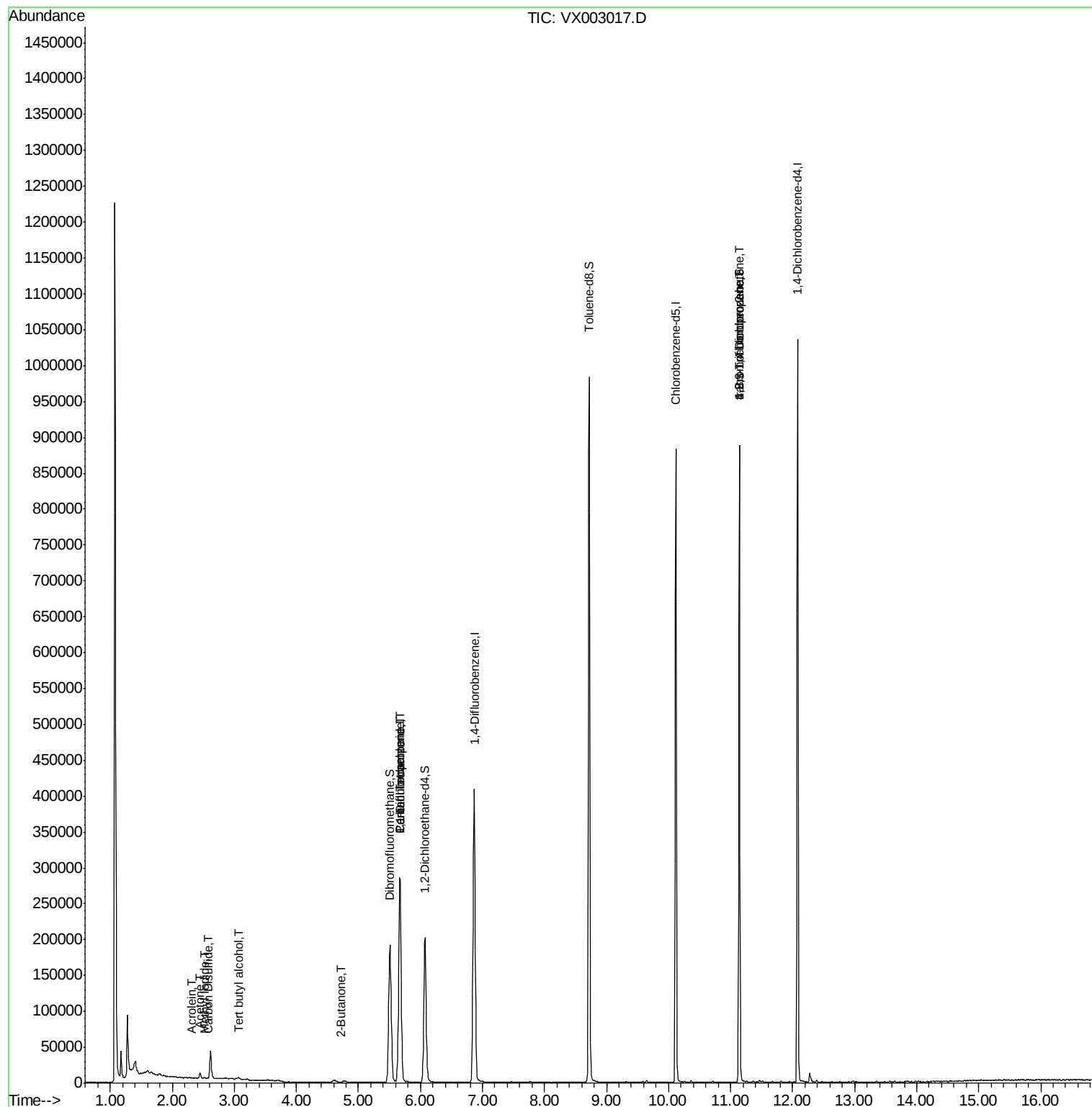
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.39	85	27	Below Cal	#	43
3) Chloromethane	1.33	50	878	Below Cal	#	67
5) Bromomethane	1.61	94	173	Below Cal	#	3
6) Chloroethane	1.55	64	2307	Below Cal	#	43
10) Methyl Iodide	2.52	142	1386	6.60	ug/l	88
11) Tert butyl alcohol	3.07	59	4690	5.84	ug/l	92
13) Acrolein	2.30	56	231	4.74	ug/l	14
16) Acetone	2.45	43	7455	4.46	ug/l	98
17) Carbon Disulfide	2.57	76	1596	0.21	ug/l	57
25) 2-Butanone	4.71	43	518	0.21	ug/l	27
36) 1,1-Dichloropropene	5.67	75	19316	4.30	ug/l	50
38) Carbon Tetrachloride	5.67	117	26438	5.37	ug/l	16
76) 1,2,3-Trichloropropane	11.14	75	106659	26.51	ug/l	32
81) trans-1,4-Dichloro-2-buten	11.14	75	106659	75.10	ug/l	7

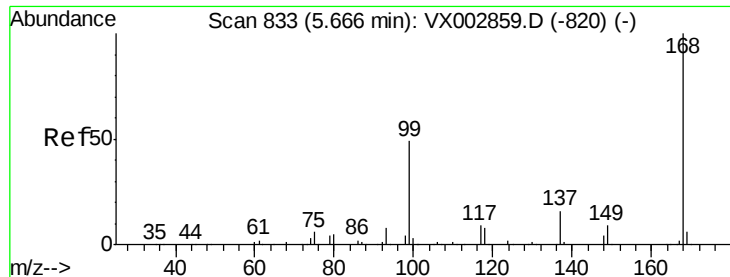
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX003017.D

Acq: 29 Jun 2018 06:41

Instrument :

MSVOA_X

ClientSampleId :

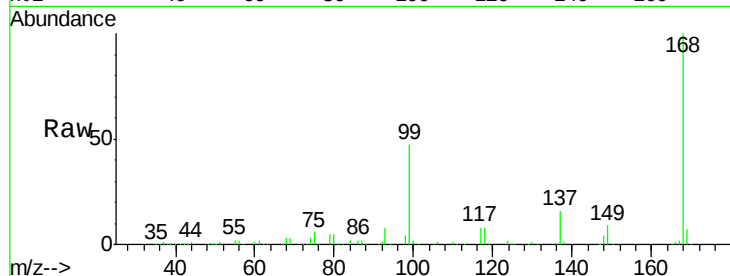
MW-4

Tot Ion:168 Resp: 291903

Ion Ratio Lower Upper

168 100

99 47.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

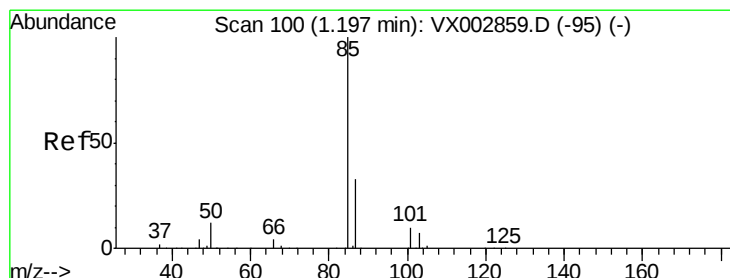
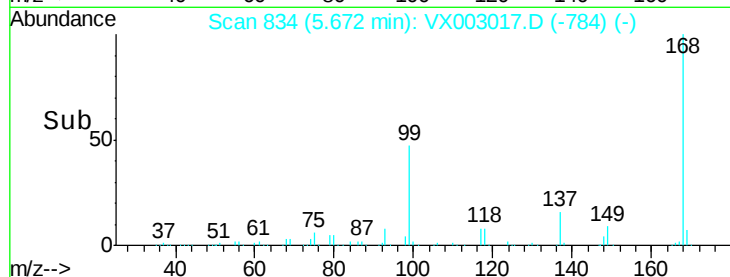
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.39 min Scan# 132

Delta R.T. 0.20 min

Lab File: VX003017.D

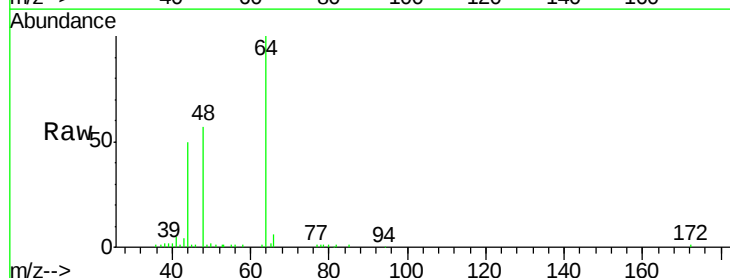
Acq: 29 Jun 2018 06:41

Tgt Ion: 85 Resp: 27

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.39

80

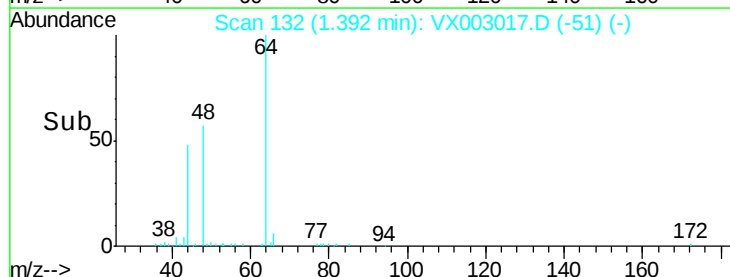
60

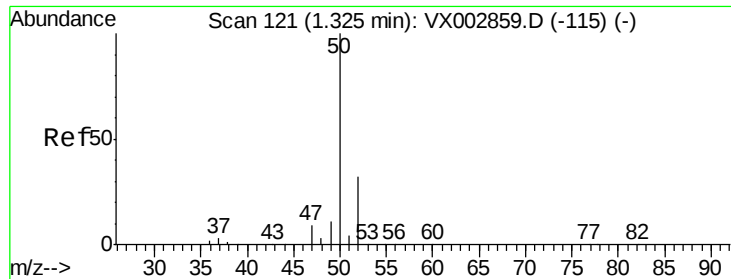
40

20

0

Time--> 1.37 1.38 1.39 1.40 1.41





#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX003017.D

Acq: 29 Jun 2018 06:41

Instrument :

MSVOA_X

ClientSampled :

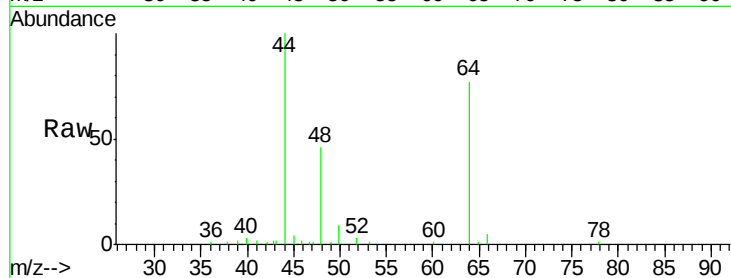
MW-4

Tot Ion: 50 Resp: 878

Ion Ratio Lower Upper

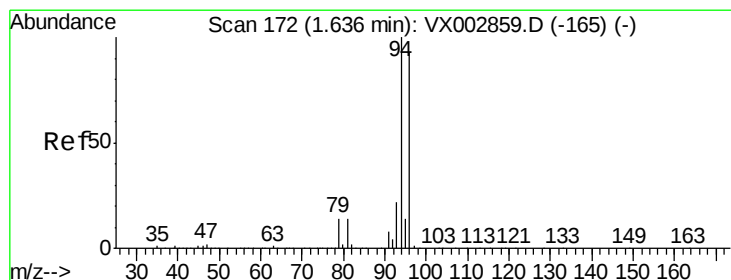
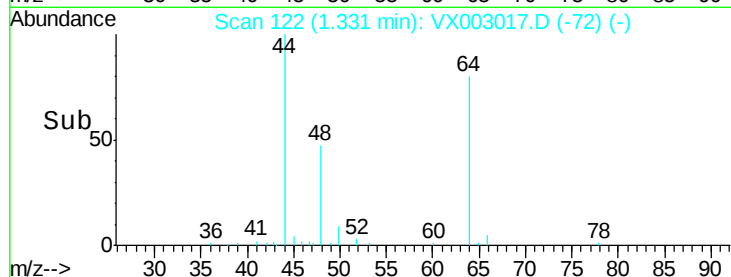
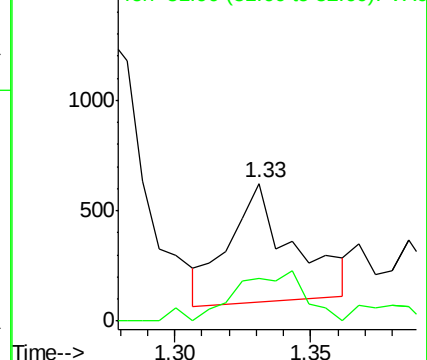
50 100

52 50.8 25.7 38.5#



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: 1.61 min Scan# 168

Delta R.T. -0.02 min

Lab File: VX003017.D

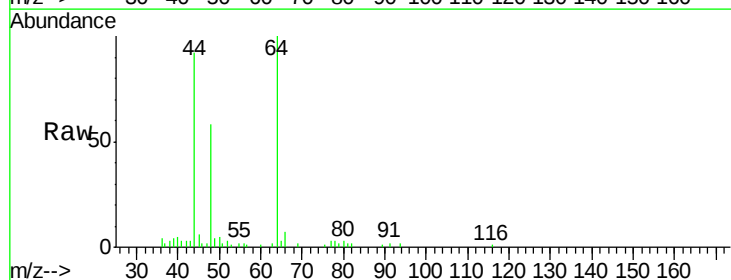
Acq: 29 Jun 2018 06:41

Tgt Ion: 94 Resp: 173

Ion Ratio Lower Upper

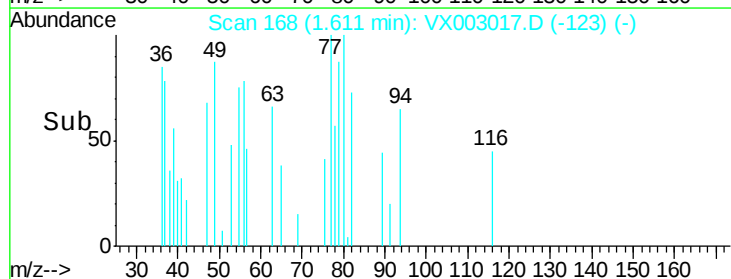
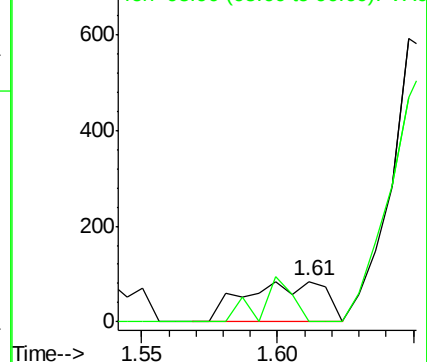
94 100

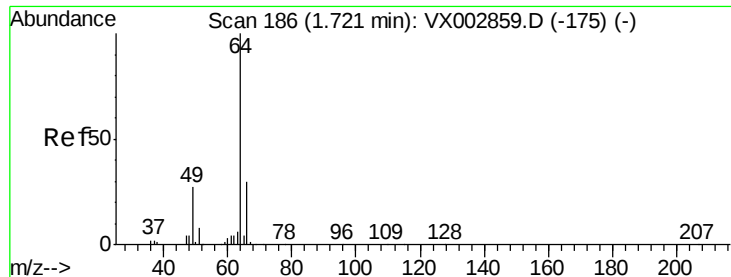
96 0.0 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.55 min Scan# 158

Delta R.T. -0.17 min

Lab File: VX003017.D

Acq: 29 Jun 2018 06:41

Instrument :

MSVOA_X

ClientSampled :

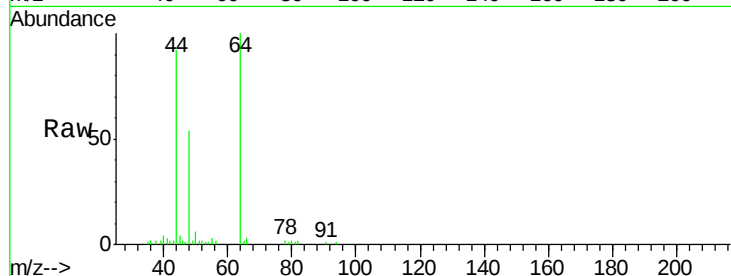
MW-4

Tot Ion: 64 Resp: 2307

Ion Ratio Lower Upper

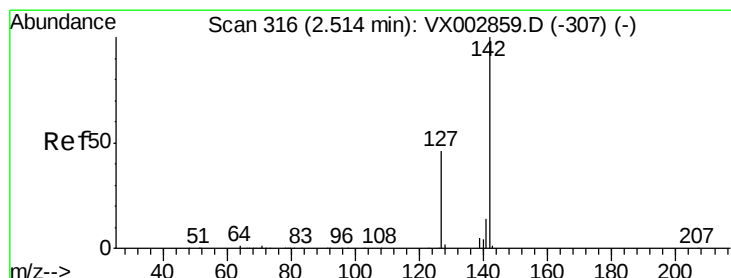
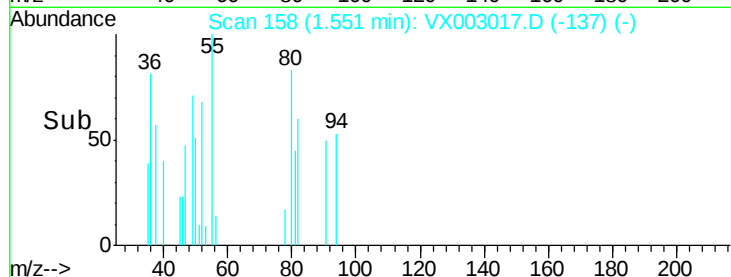
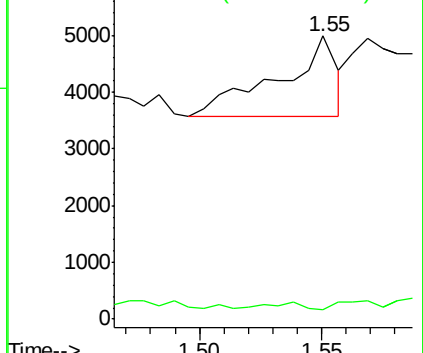
64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 6.60 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003017.D

Acq: 29 Jun 2018 06:41

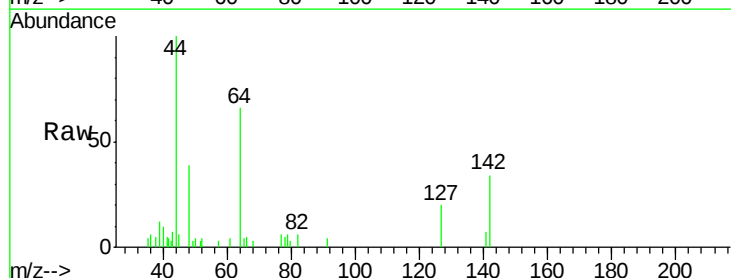
Tgt Ion:142 Resp: 1386

Ion Ratio Lower Upper

142 100

127 55.0 36.6 55.0#

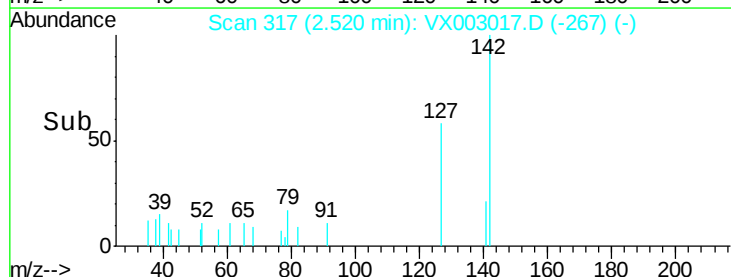
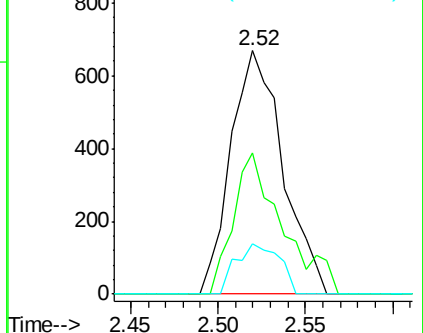
141 17.2 11.3 16.9#

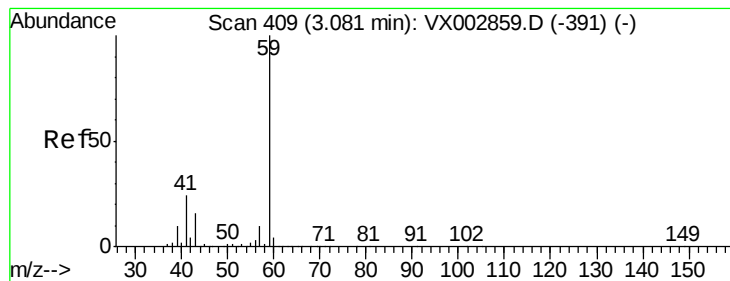


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



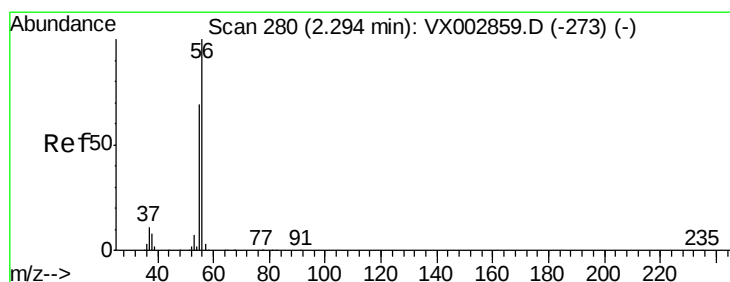
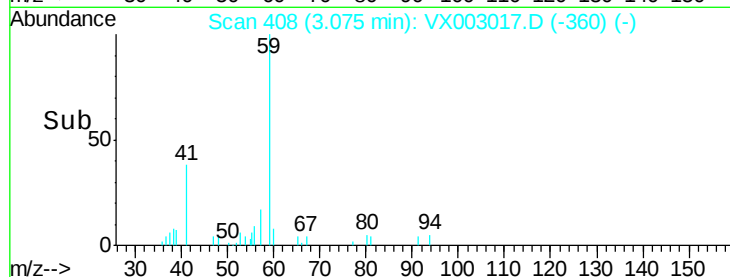
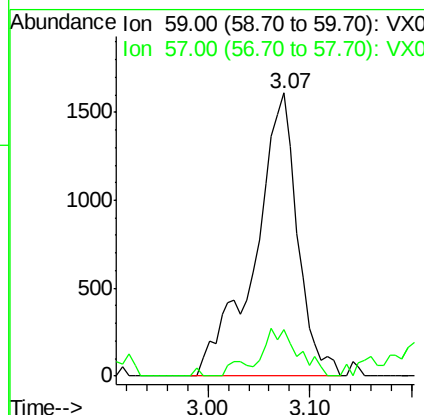
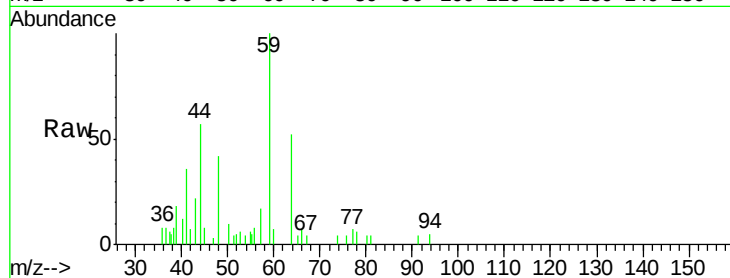


#11

Tert butyl alcohol
 Concen: 5.84 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX003017.D
 Acq: 29 Jun 2018 06:41

Instrument :
 MSVOA_X
 ClientSampled :
 MW-4

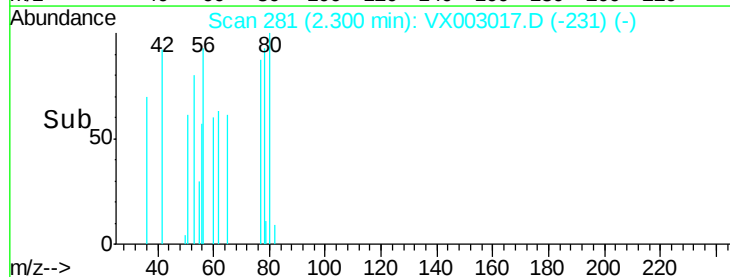
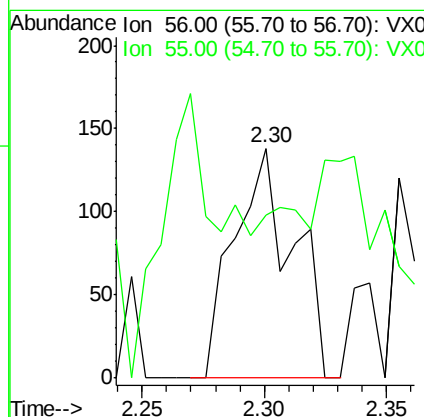
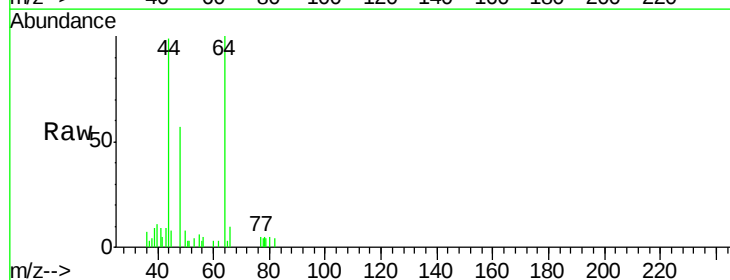
Tot Ion: 59 Resp: 4690
 Ion Ratio Lower Upper
 59 100
 57 13.0 8.2 12.2#

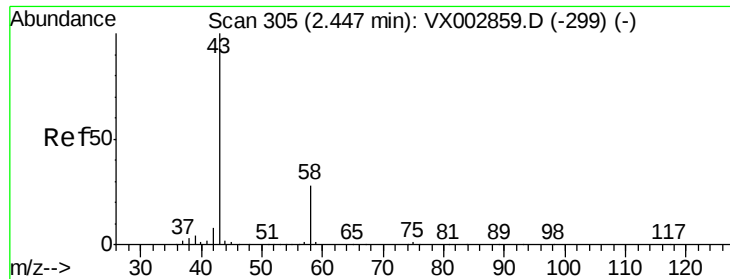


#13

Acrolein
 Concen: 4.74 ug/l
 RT: 2.30 min Scan# 281
 Delta R.T. 0.01 min
 Lab File: VX003017.D
 Acq: 29 Jun 2018 06:41

Tgt Ion: 56 Resp: 231
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.0 85.4#





#16

Acetone

Concen: 4.46 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003017.D

Acq: 29 Jun 2018 06:41

Instrument :

MSVOA_X

ClientSampled :

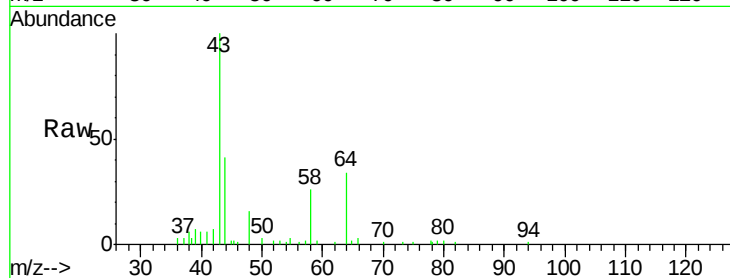
MW-4

Tot Ion: 43 Resp: 7455

Ion Ratio Lower Upper

43 100

58 26.5 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

5000

4000

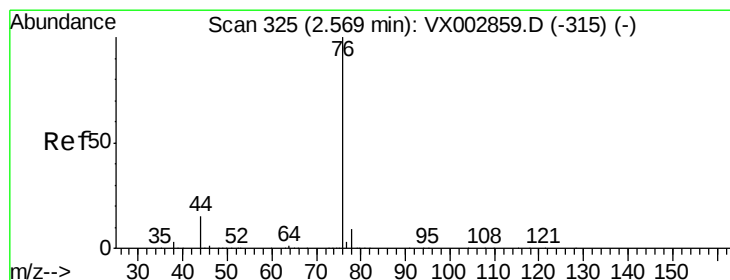
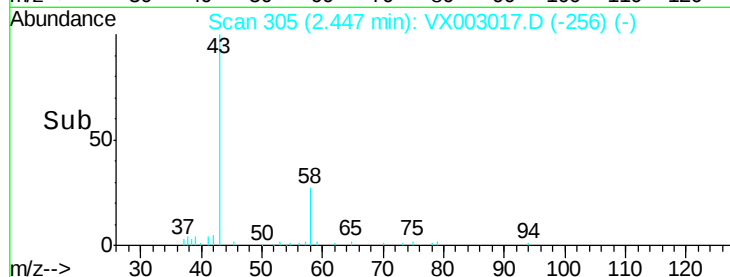
3000

2000

1000

0

Time--> 2.35 2.40 2.45 2.50 2.55



#17

Carbon Disulfide

Concen: 0.21 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX003017.D

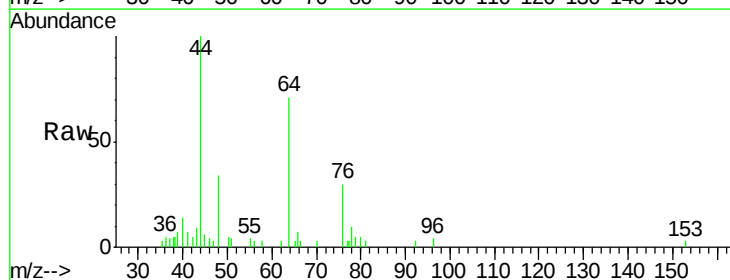
Acq: 29 Jun 2018 06:41

Tgt Ion: 76 Resp: 1596

Ion Ratio Lower Upper

76 100

78 24.2 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

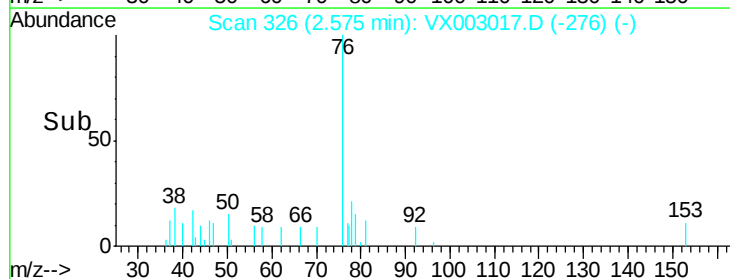
600

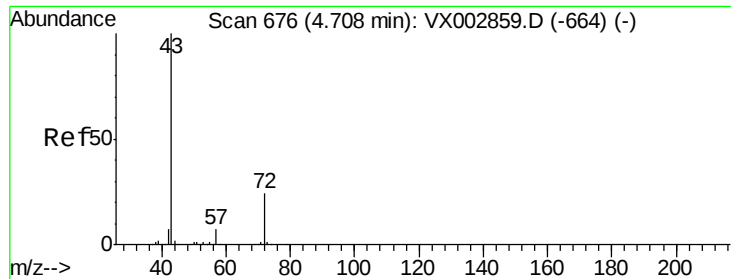
400

200

0

Time--> 2.50 2.55 2.60 2.65 2.70





#25

2-Butanone

Concen: 0.21 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003017.D

Acq: 29 Jun 2018 06:41

Instrument :

MSVOA_X

ClientSampled :

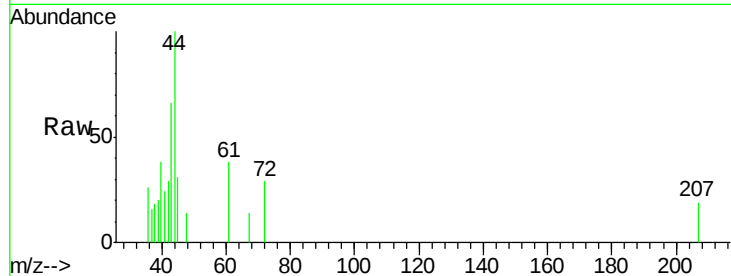
MW-4

Tot Ion: 43 Resp: 518

Ion Ratio Lower Upper

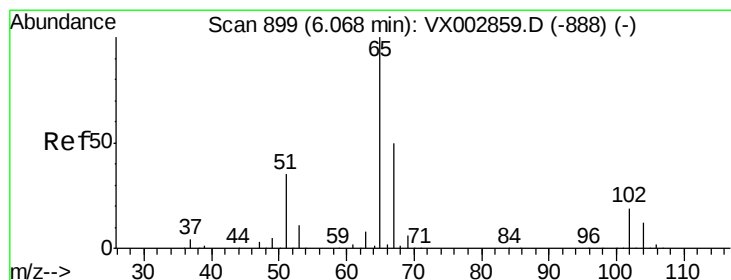
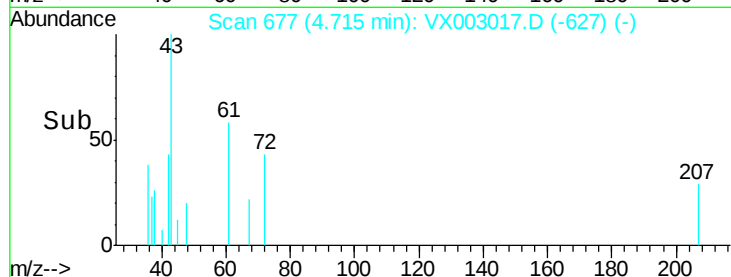
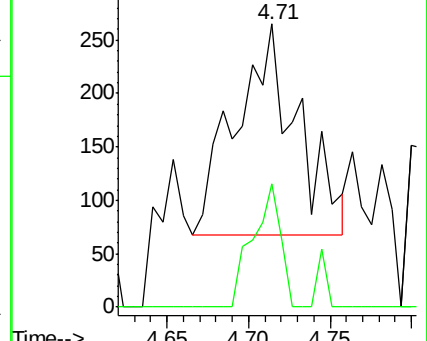
43 100

72 58.4 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.08 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003017.D

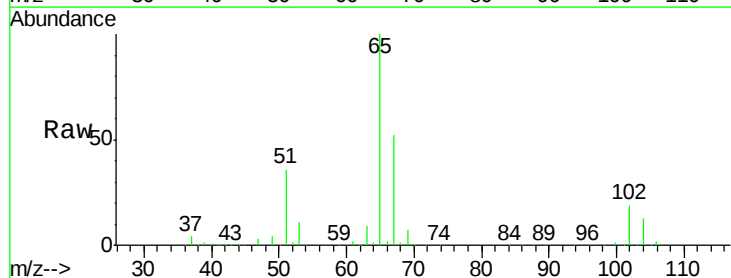
Acq: 29 Jun 2018 06:41

Tgt Ion: 65 Resp: 193993

Ion Ratio Lower Upper

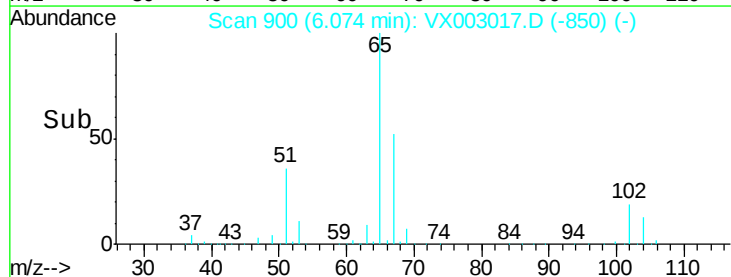
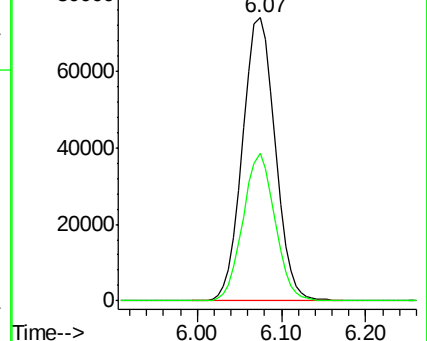
65 100

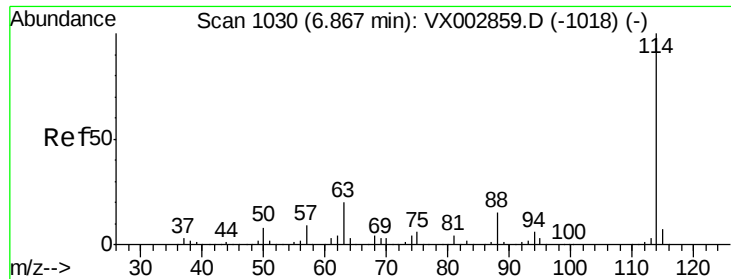
67 51.1 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

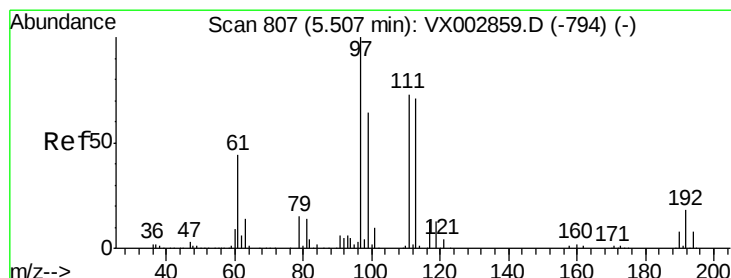
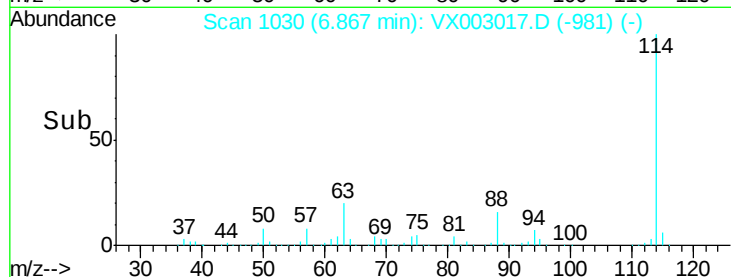
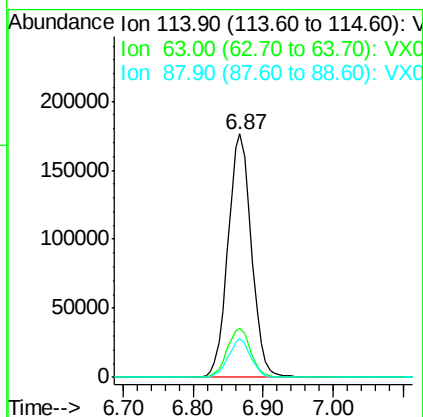
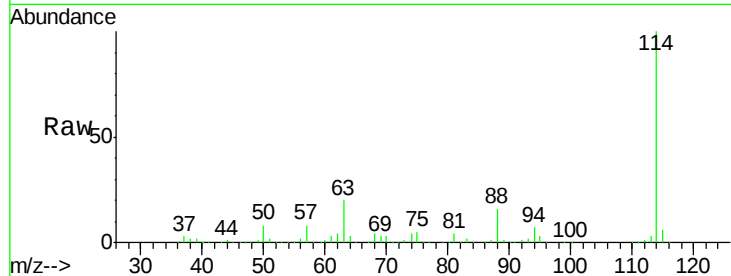




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003017.D
 Acq: 29 Jun 2018 06:41

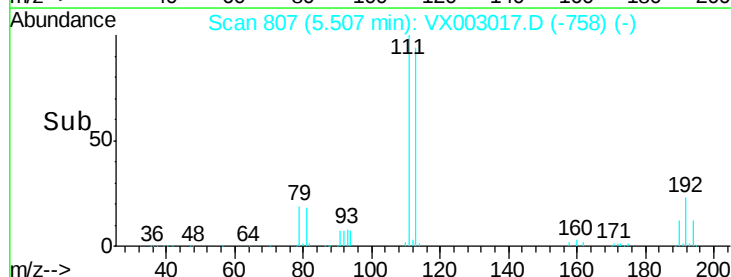
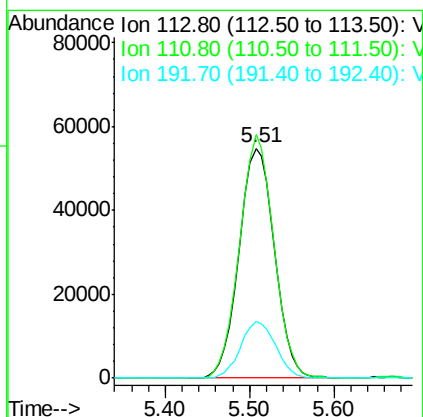
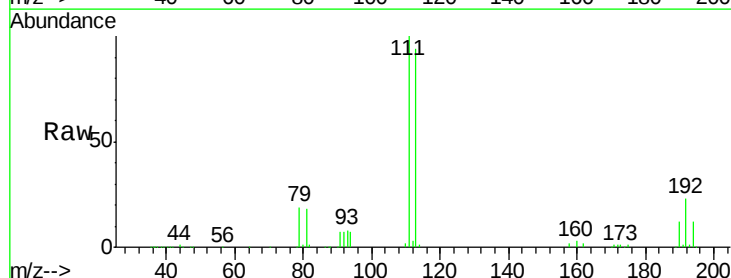
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

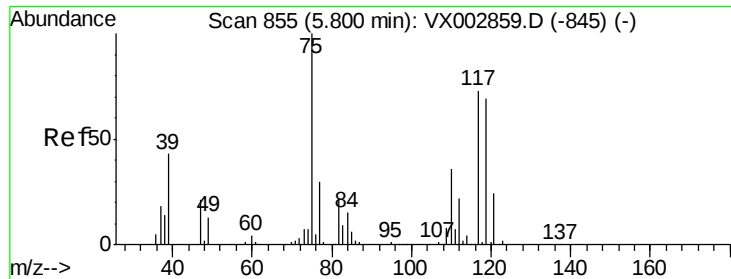
Tot Ion:114 Resp: 409478
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.4
 88 15.8 0.0 30.0



#35
 Dibromofluoromethane
 Concen: 48.31 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003017.D
 Acq: 29 Jun 2018 06:41

Tgt Ion:113 Resp: 156649
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.4 122.0
 192 24.6 19.1 28.7

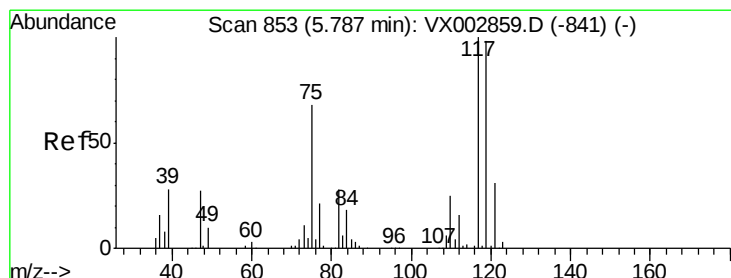
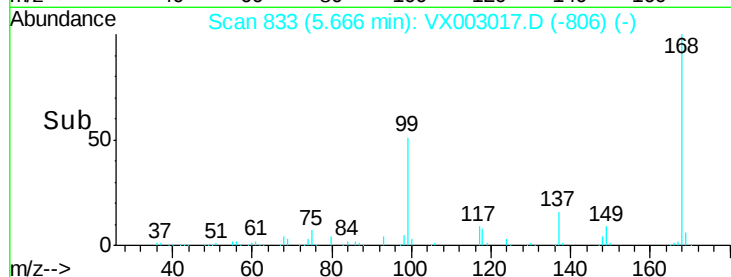
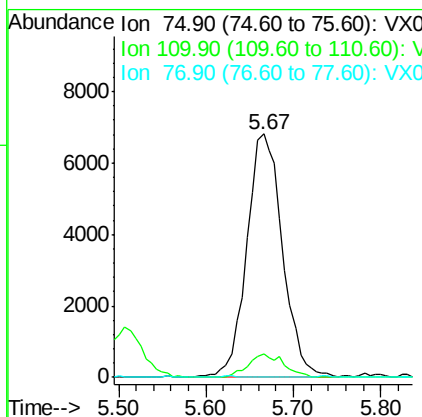
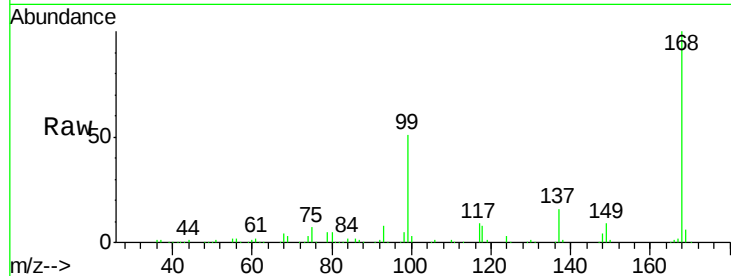




#36
 1,1-Dichloropropene
 Concen: 4.30 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003017.D
 Acq: 29 Jun 2018 06:41

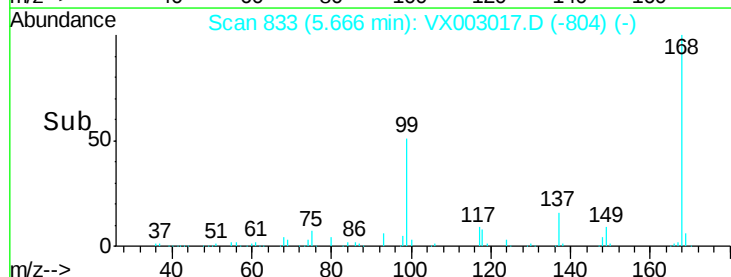
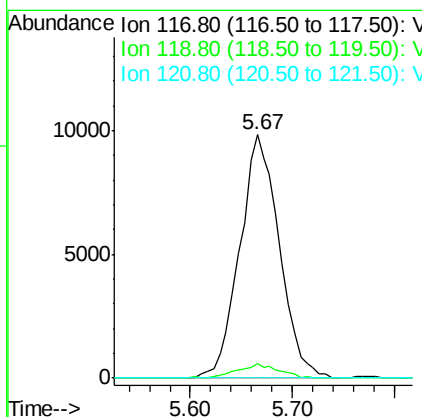
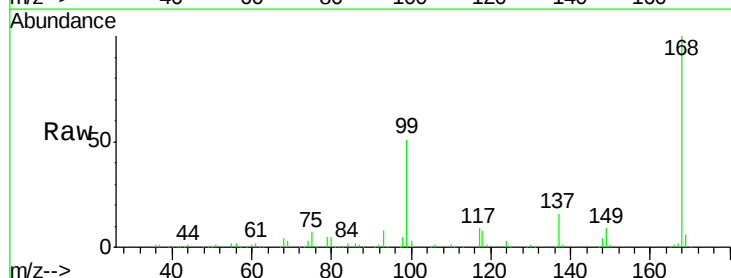
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

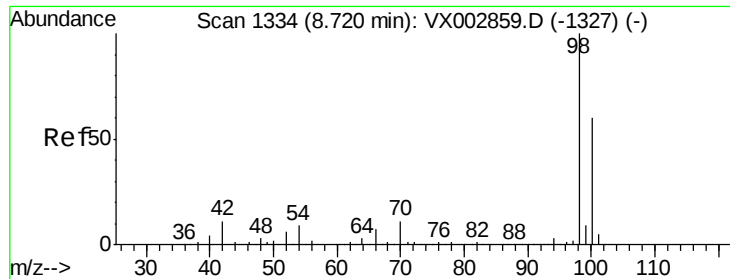
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.1	54.4#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 5.37 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003017.D
 Acq: 29 Jun 2018 06:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	77.4	116.0#
121	0.0	24.4	36.6#





#50

Toluene-d8

Concen: 48.68 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003017.D

Acq: 29 Jun 2018 06:41

Instrument :

MSVOA_X

ClientSampleId :

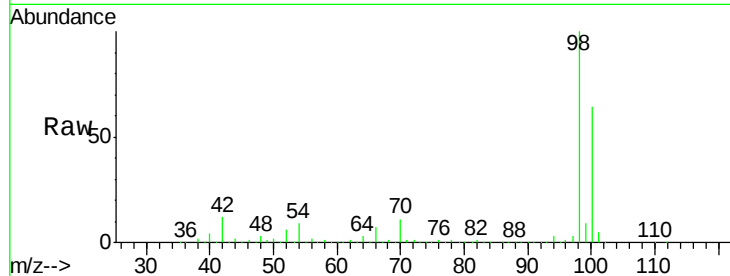
MW-4

Tot Ion: 98 Resp: 576435

Ion Ratio Lower Upper

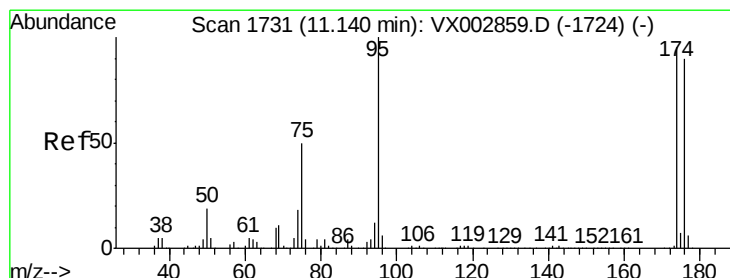
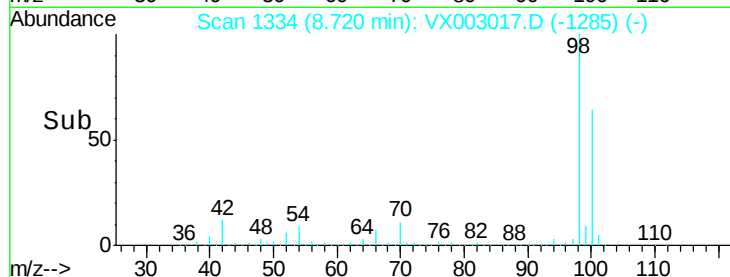
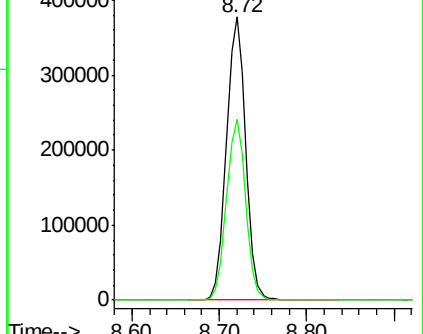
98 100

100 64.1 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 45.11 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003017.D

Acq: 29 Jun 2018 06:41

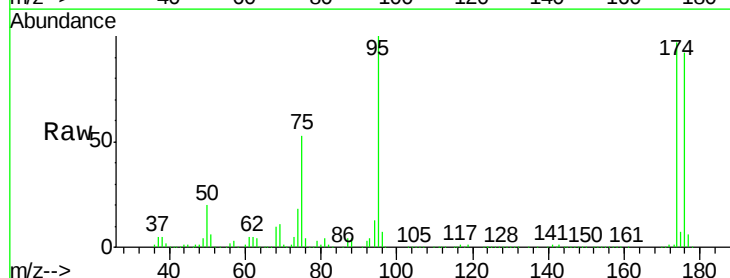
Tgt Ion: 95 Resp: 206013

Ion Ratio Lower Upper

95 100

174 97.9 0.0 187.4

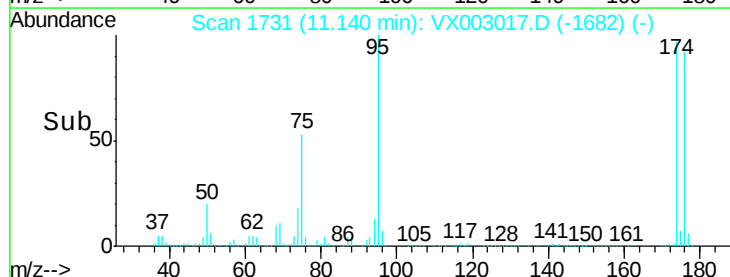
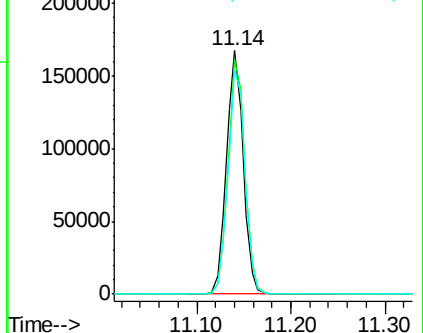
176 94.1 0.0 181.0

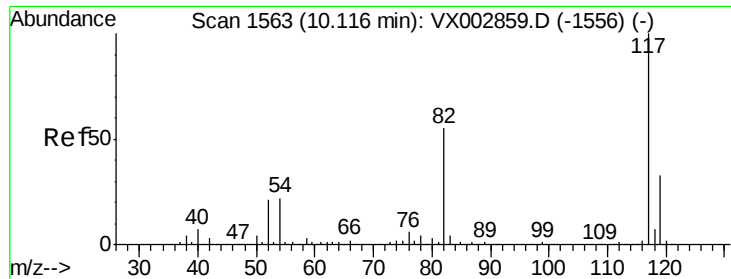


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

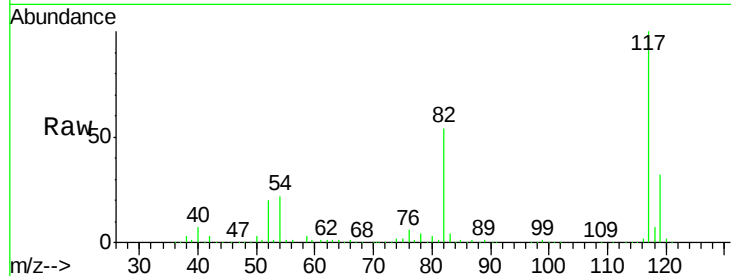




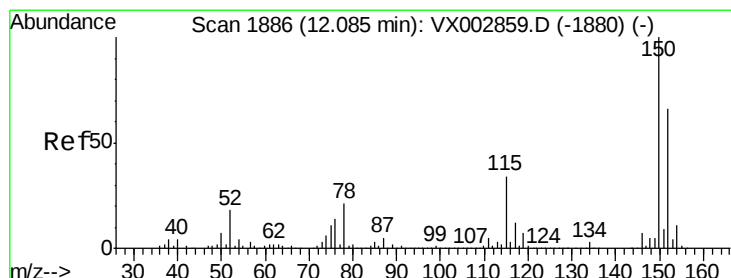
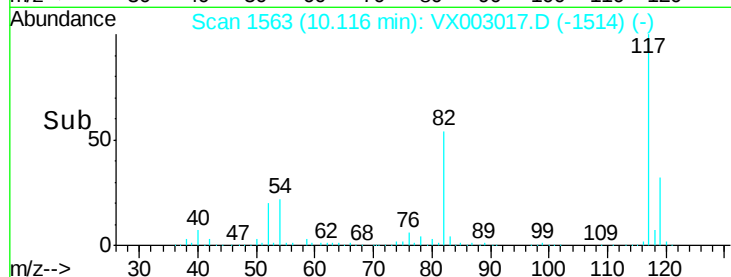
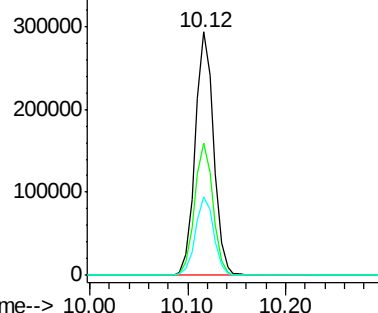
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003017.D
Acq: 29 Jun 2018 06:41

Instrument :
MSVOA_X
ClientSampled :
MW-4

Tot Ion:117 Resp: 382827
Ion Ratio Lower Upper
117 100
82 54.4 45.0 67.4
119 32.4 25.8 38.6

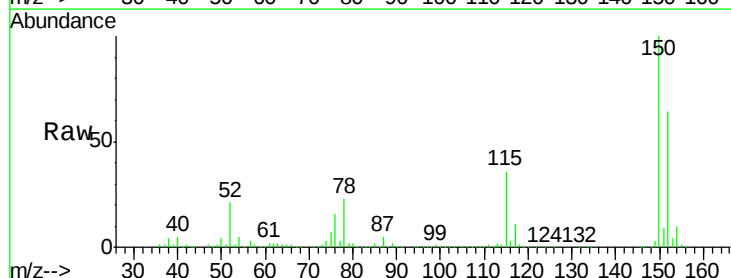


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

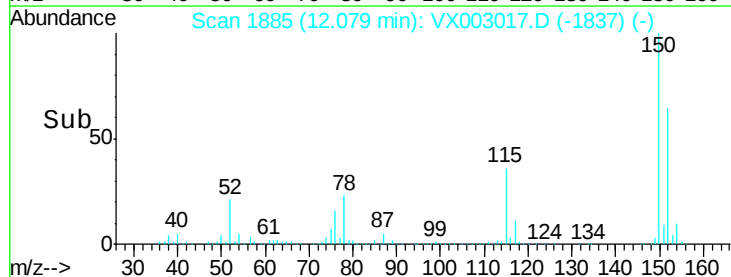
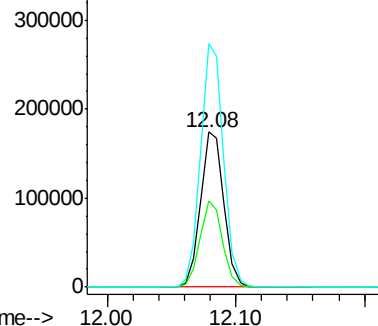


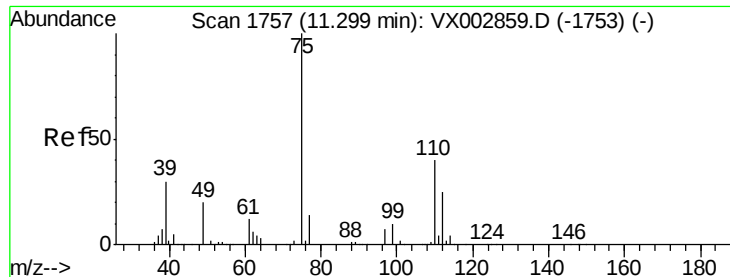
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003017.D
Acq: 29 Jun 2018 06:41

Tgt Ion:152 Resp: 222127
Ion Ratio Lower Upper
152 100
115 54.2 40.1 120.2
150 155.2 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: 26.51 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003017.D

Acq: 29 Jun 2018 06:41

Instrument :

MSVOA_X

ClientSampled :

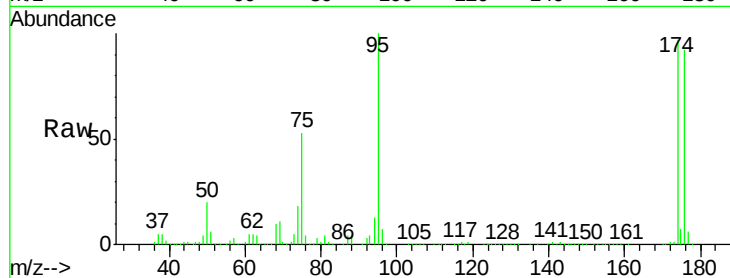
MW-4

Tot Ion: 75 Resp: 106659

Ion Ratio Lower Upper

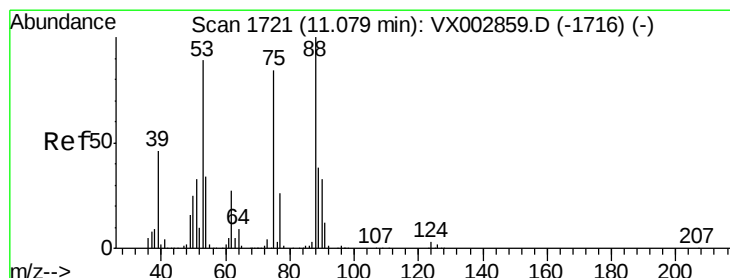
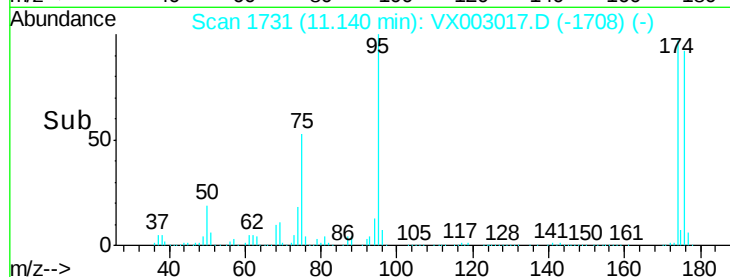
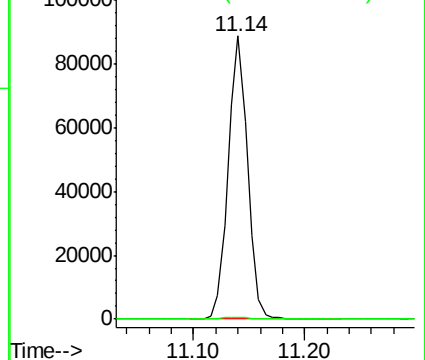
75 100

77 1.1 22.8 68.3#



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: 75.10 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003017.D

Acq: 29 Jun 2018 06:41

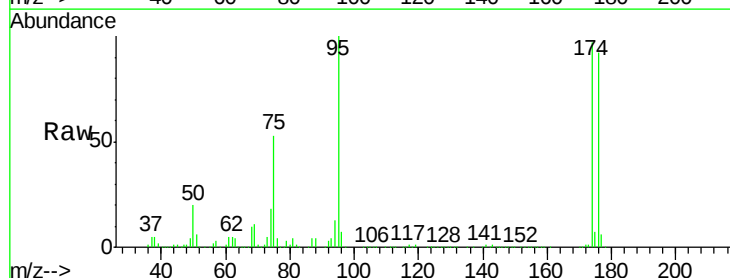
Tgt Ion: 75 Resp: 106659

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#



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

