

Data File : VX000258.D
Acq On : 09 Mar 2018 16:25
Operator : JC/MD
Sample : J1839-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1

Quant Time: Mar 09 23:29:54 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 08 02:15:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	112566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	189337	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	182685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	95549	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.09	65	82239	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
35) Dibromofluoromethane	5.52	113	59816	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
50) Toluene-d8	8.73	98	235694	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
62) 4-Bromofluorobenzene	11.15	95	84085	43.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.46%	

Target Compounds				Qvalue		
5) Bromomethane	1.65	94	253	Below Cal	#	79
6) Chloroethane	1.70	64	237	Below Cal	#	42
10) Methyl Iodide	2.51	142	302	3.35	ug/l #	37
13) Acrolein	2.33	56	106	0.35	ug/l #	12
16) Acetone	2.45	43	2448	2.18	ug/l	99
20) Methylene Chloride	2.86	84	406	0.30	ug/l	93
31) Cyclohexane	5.68	56	2881	1.69	ug/l #	15
36) 1,1-Dichloropropene	5.68	75	9545	5.67	ug/l #	50
38) Carbon Tetrachloride	5.68	117	10964	6.43	ug/l #	19
51) 4-Methyl-2-Pentanone	8.72	43	1269	0.48	ug/l #	1
76) 1,2,3-Trichloropropane	11.15	75	48319	25.23	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.15	75	48319	77.25	ug/l #	10

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

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Instrument :

MSVOA_X

ClientSampleId :

MW-1

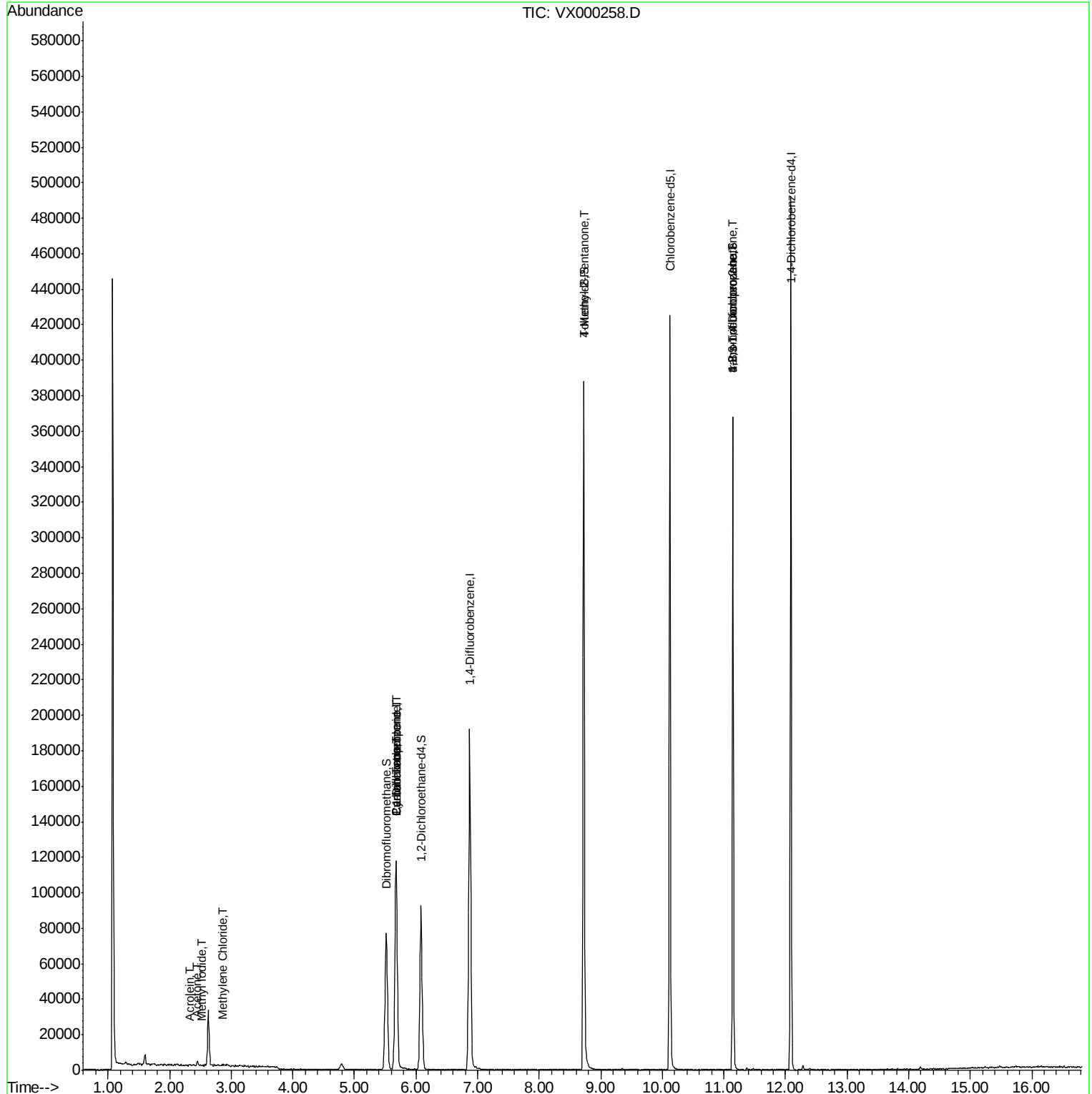
Quant Time: Mar 09 23:29:54 2018

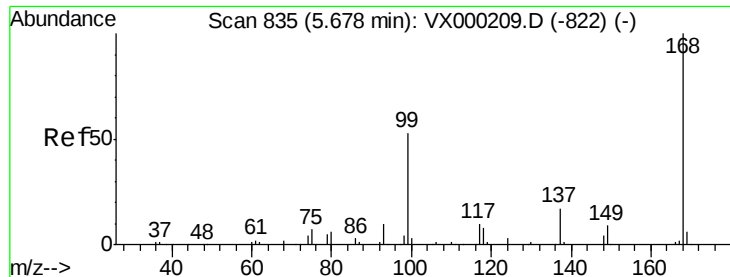
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M

Quant Title : SW846 8260

QLast Update : Thu Mar 08 02:15:47 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000258.D

Acq: 09 Mar 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

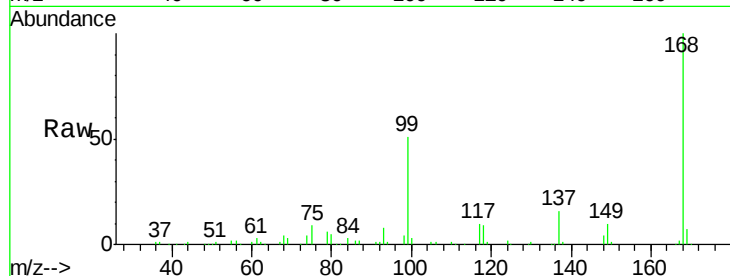
MW-1

Tgt Ion:168 Resp: 112566

Ion Ratio Lower Upper

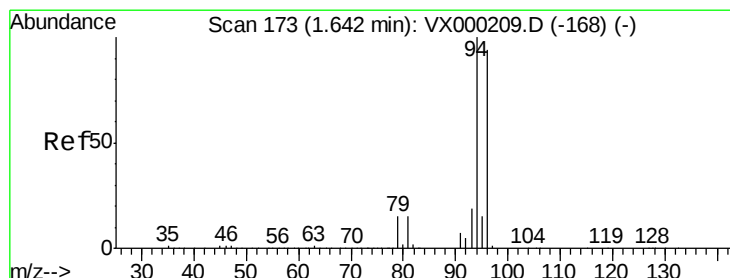
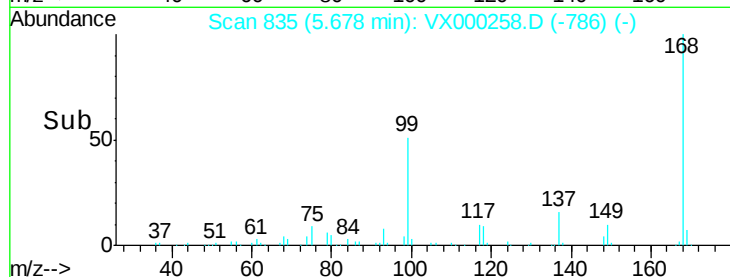
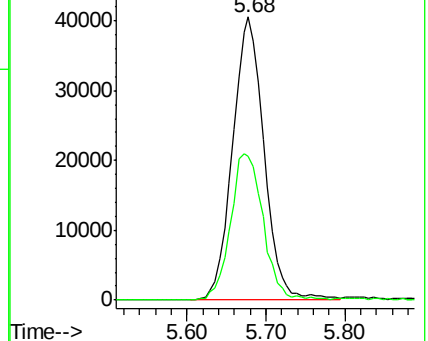
168 100

99 50.9 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000258.D

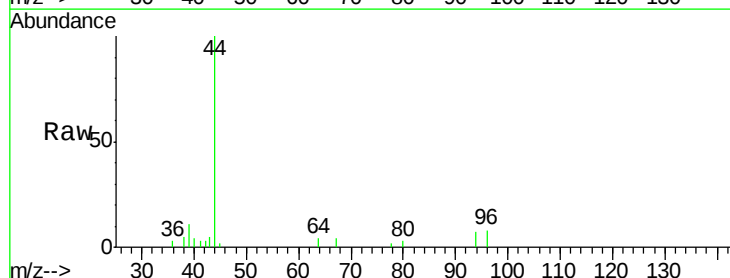
Acq: 09 Mar 2018 16:25

Tgt Ion: 94 Resp: 253

Ion Ratio Lower Upper

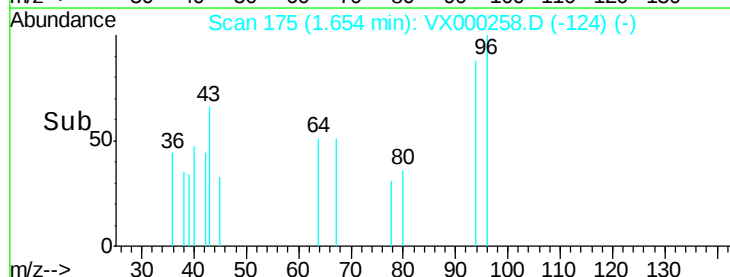
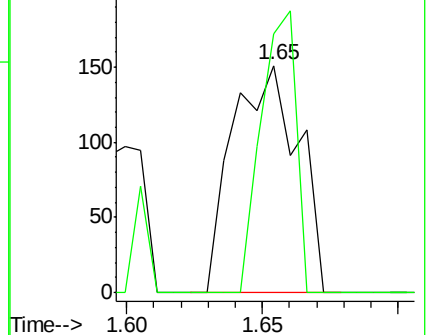
94 100

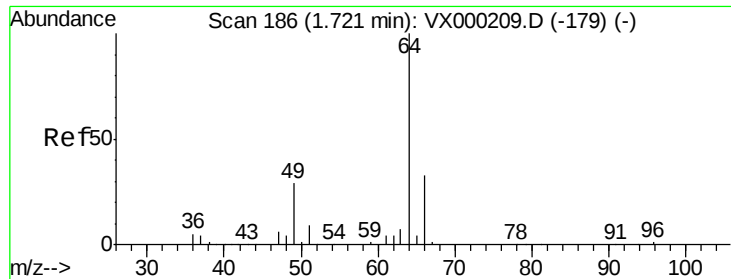
96 113.9 75.3 112.9#



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: 1.70 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX000258.D

Acq: 09 Mar 2018 16:25

Instrument :

MSVOA_X

ClientSampled :

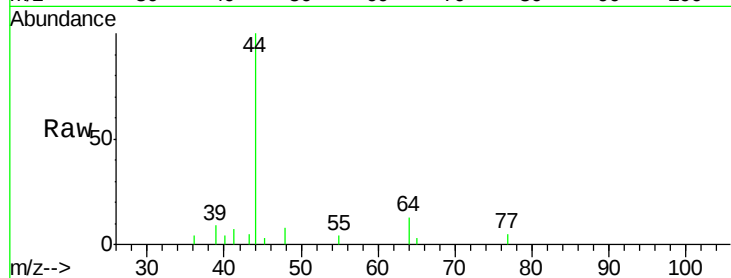
MW-1

Tgt Ion: 64 Resp: 237

Ion Ratio Lower Upper

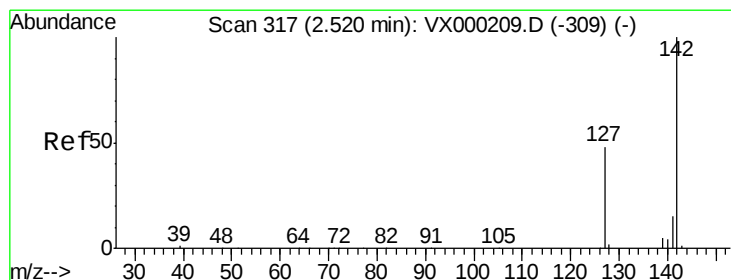
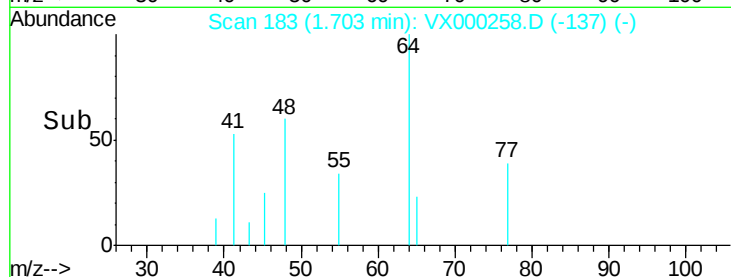
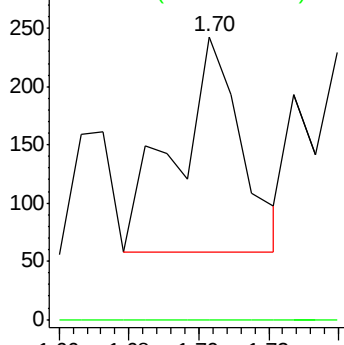
64 100

66 0.0 26.2 39.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 3.35 ug/l

RT: 2.51 min Scan# 316

Delta R.T. -0.01 min

Lab File: VX000258.D

Acq: 09 Mar 2018 16:25

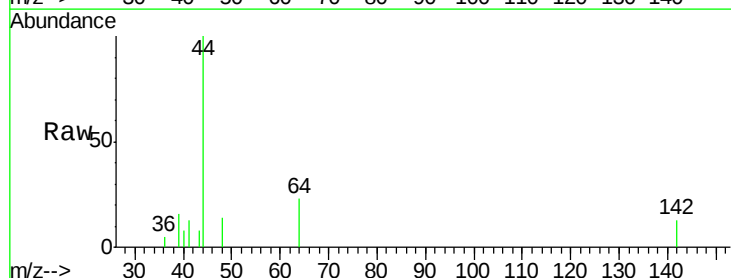
Tgt Ion: 142 Resp: 302

Ion Ratio Lower Upper

142 100

127 0.0 39.0 58.6#

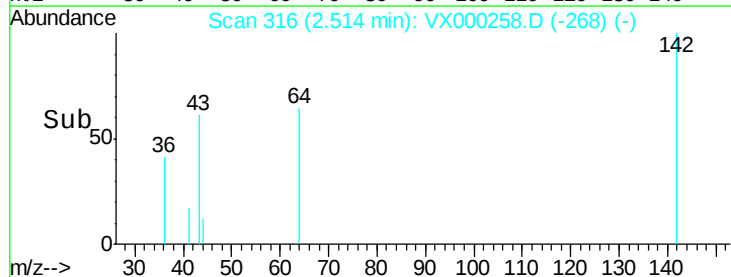
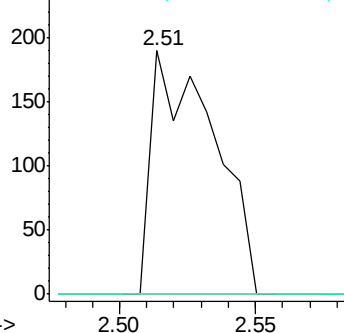
141 0.0 11.6 17.4#

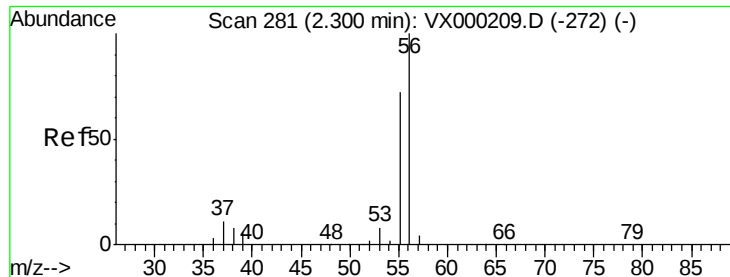


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.35 ug/l

RT: 2.33 min Scan# 286

Delta R.T. 0.03 min

Lab File: VX000258.D

Acq: 09 Mar 2018 16:25

Instrument :

MSVOA_X

ClientSampled :

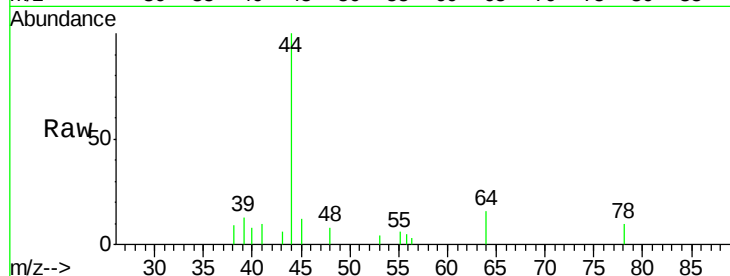
MW-1

Tgt Ion: 56 Resp: 106

Ion Ratio Lower Upper

56 100

55 0.0 59.2 88.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

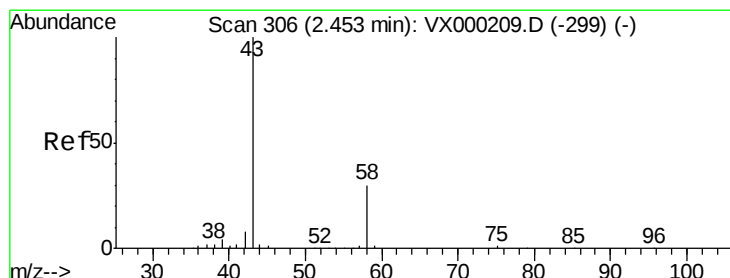
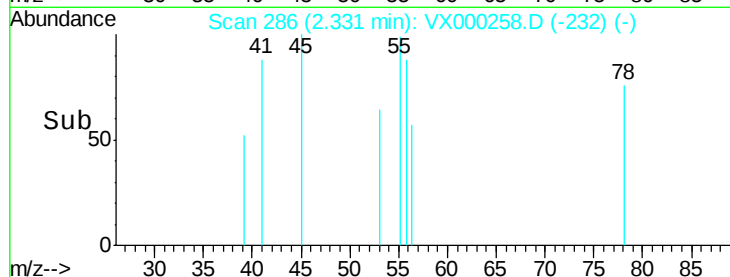
2.33

100

50

0

Time-->



#16

Acetone

Concen: 2.18 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000258.D

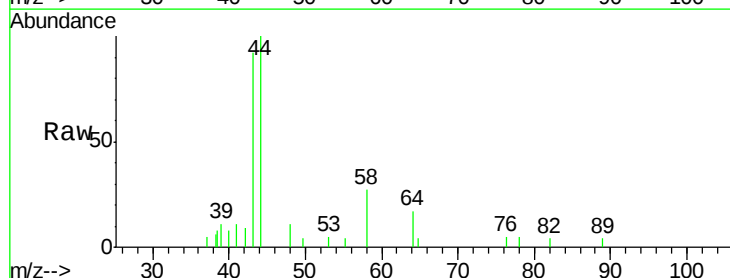
Acq: 09 Mar 2018 16:25

Tgt Ion: 43 Resp: 2448

Ion Ratio Lower Upper

43 100

58 29.4 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

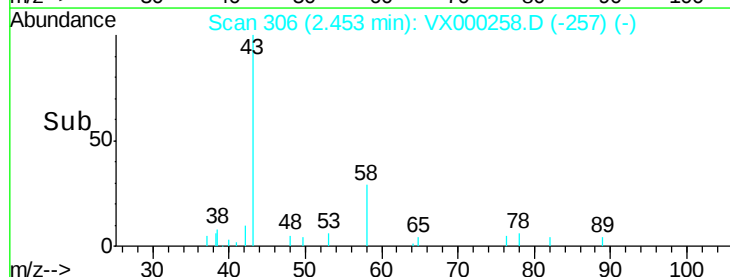
1500

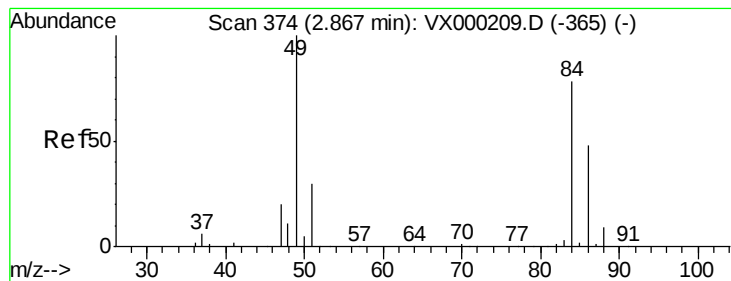
1000

500

0

Time-->





#20

Methylene Chloride

Concen: 0.30 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.01 min

Lab File: VX000258.D

Acq: 09 Mar 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

MW-1

Tgt Ion: 84 Resp: 406

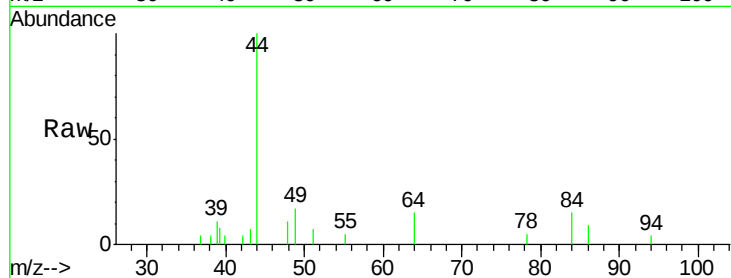
Ion Ratio Lower Upper

84 100

49 116.9 102.1 153.1

51 45.1 30.6 45.8

86 61.5 49.0 73.6

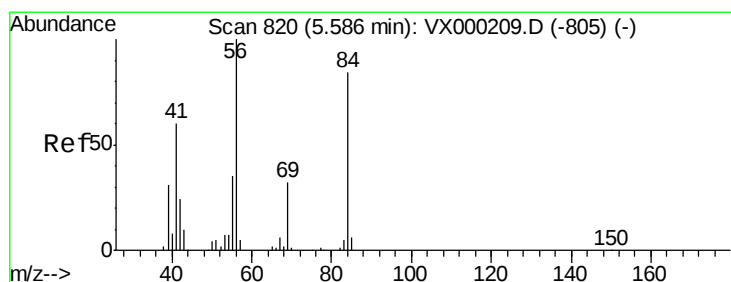
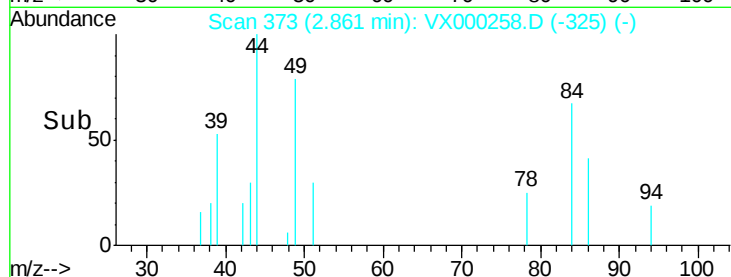
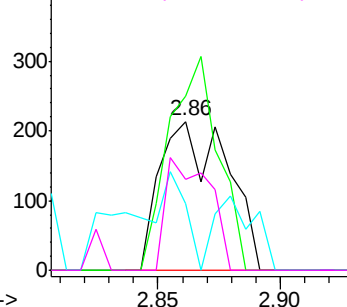


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#31

Cyclohexane

Concen: 1.69 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000258.D

Acq: 09 Mar 2018 16:25

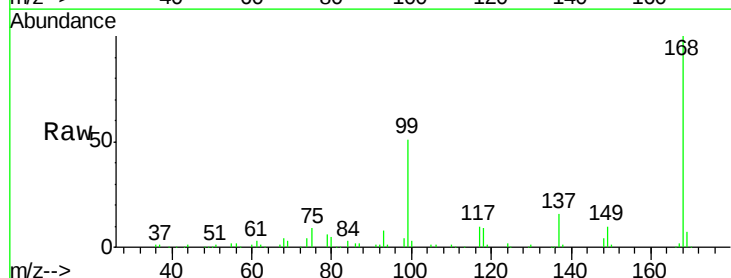
Tgt Ion: 56 Resp: 2881

Ion Ratio Lower Upper

56 100

69 135.5 25.3 37.9#

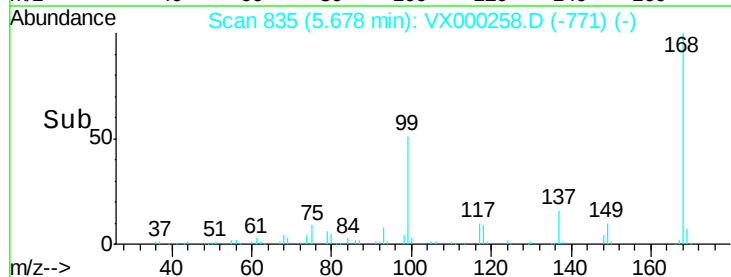
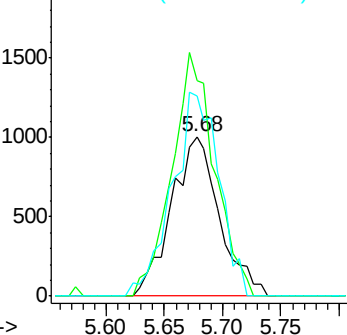
84 125.7 67.2 100.8#

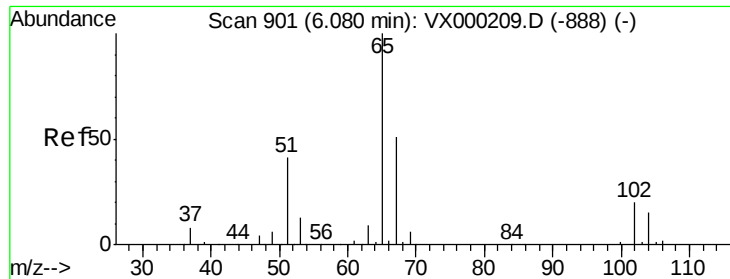


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 52.70 ug/l

RT: 6.09 min Scan# 902

Delta R.T. 0.01 min

Lab File: VX000258.D

Acq: 09 Mar 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

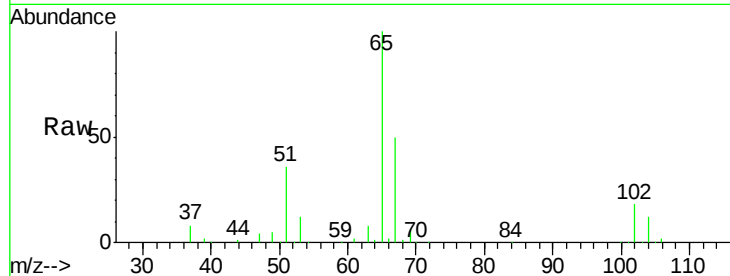
MW-1

Tgt Ion: 65 Resp: 82239

Ion Ratio Lower Upper

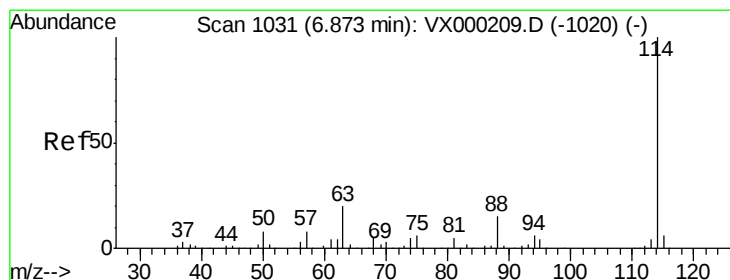
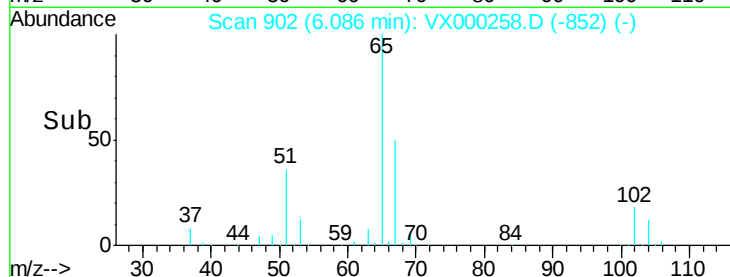
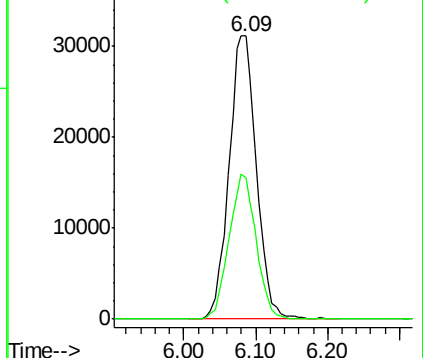
65 100

67 50.6 0.0 103.4



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# 1031

Delta R.T. 0.00 min

Lab File: VX000258.D

Acq: 09 Mar 2018 16:25

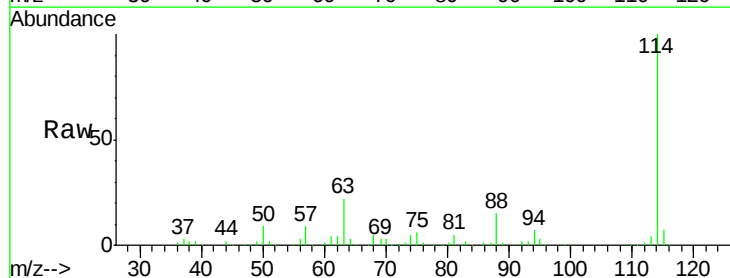
Tgt Ion: 114 Resp: 189337

Ion Ratio Lower Upper

114 100

63 22.1 0.0 39.2

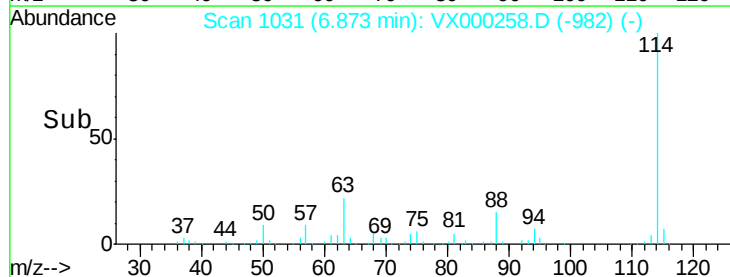
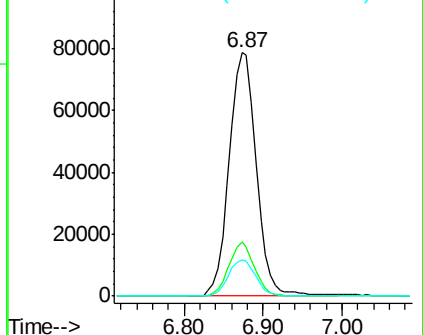
88 15.0 0.0 29.8

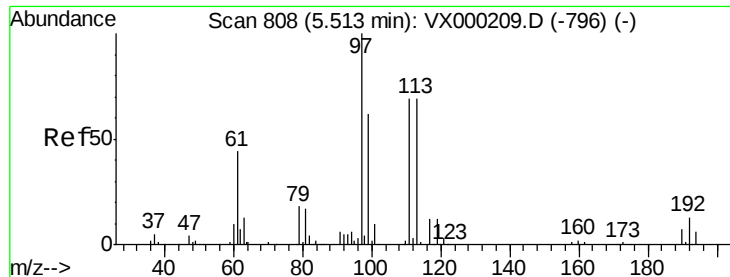


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.29 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000258.D

Acq: 09 Mar 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

MW-1

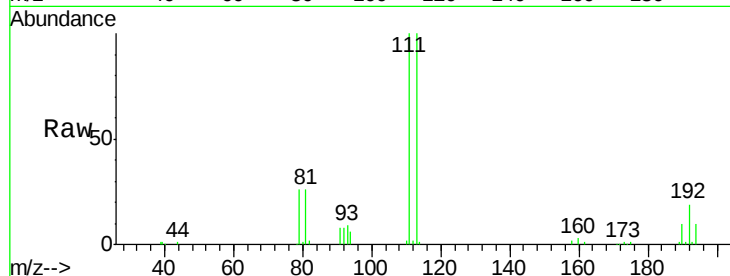
Tgt Ion:113 Resp: 59816

Ion Ratio Lower Upper

113 100

111 104.8 83.0 124.6

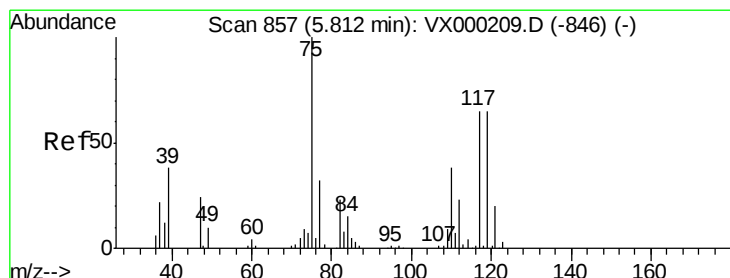
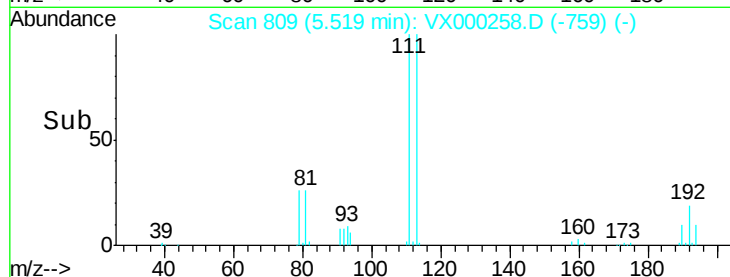
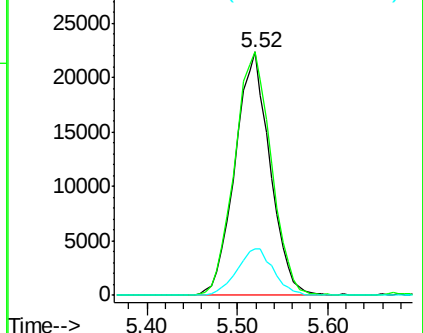
192 19.9 15.5 23.3



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: 5.67 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000258.D

Acq: 09 Mar 2018 16:25

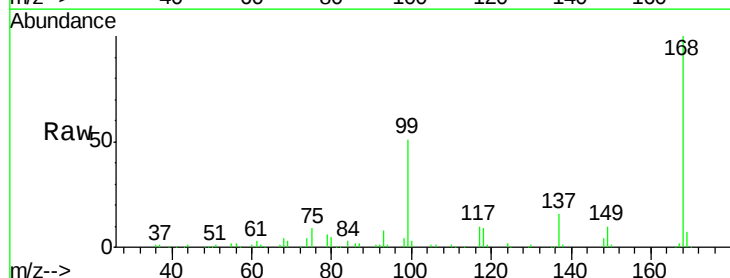
Tgt Ion: 75 Resp: 9545

Ion Ratio Lower Upper

75 100

110 9.8 17.8 53.5#

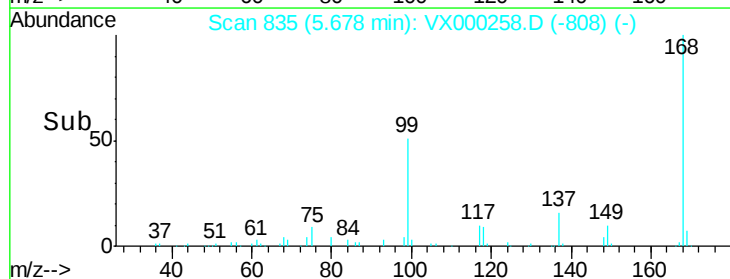
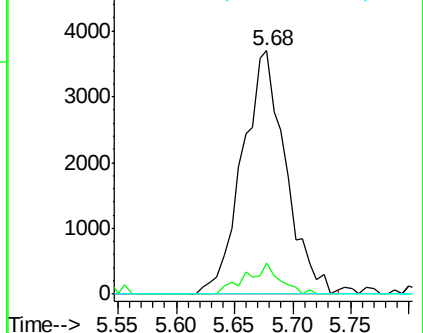
77 0.0 24.9 37.3#

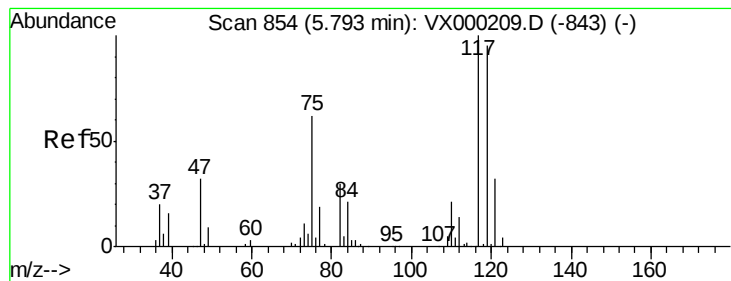


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.43 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000258.D

Acq: 09 Mar 2018 16:25

Instrument :

MSVOA_X

ClientSampled :

MW-1

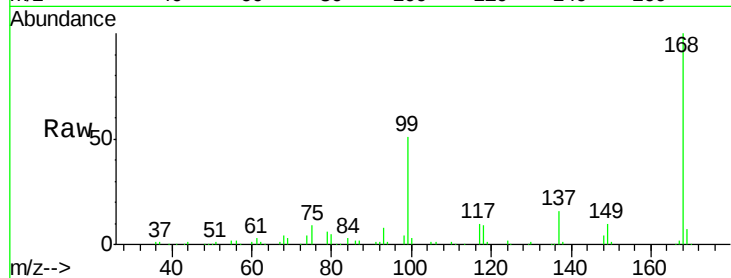
Tgt Ion: 117 Resp: 10964

Ion Ratio Lower Upper

117 100

119 8.7 75.9 113.9#

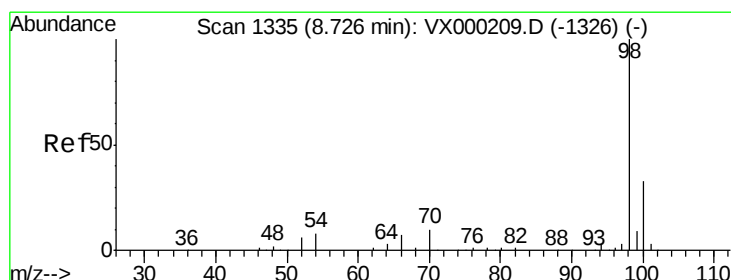
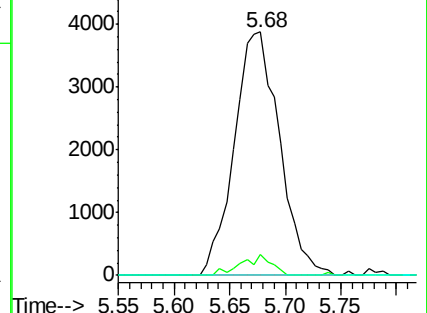
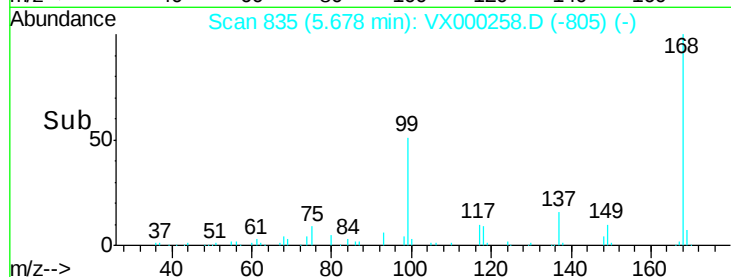
121 0.0 25.8 38.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 47.85 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000258.D

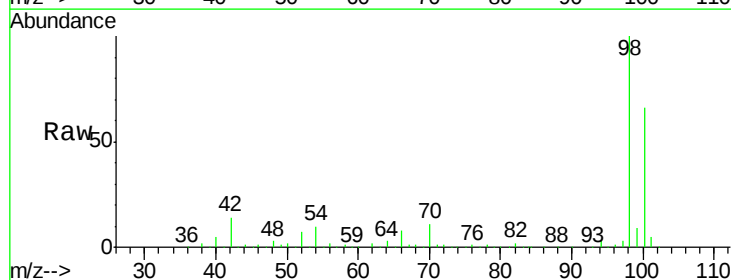
Acq: 09 Mar 2018 16:25

Tgt Ion: 98 Resp: 235694

Ion Ratio Lower Upper

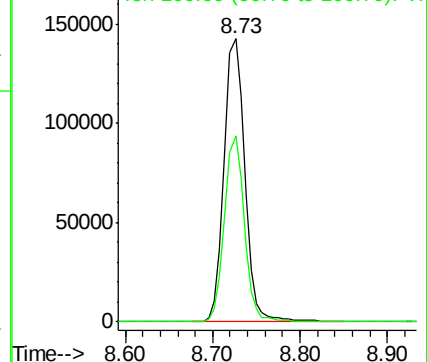
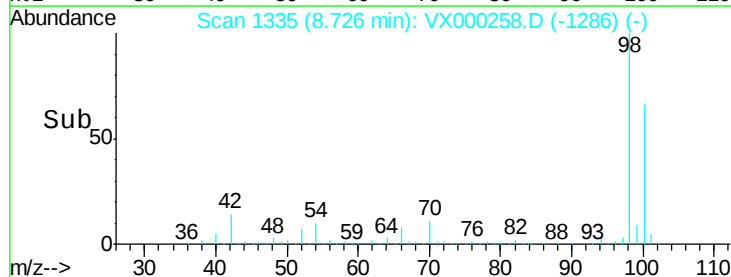
98 100

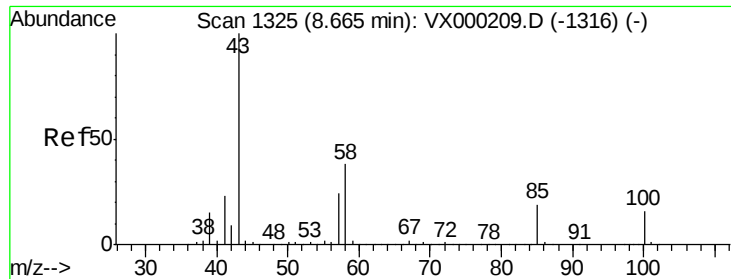
100 63.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

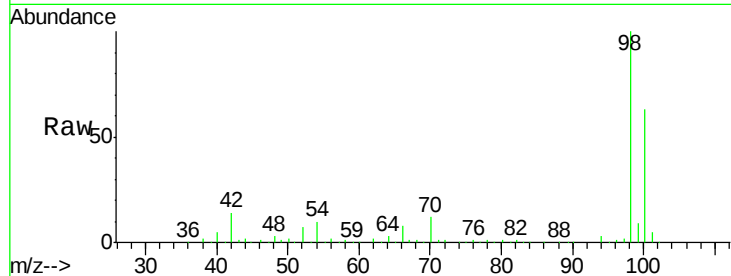




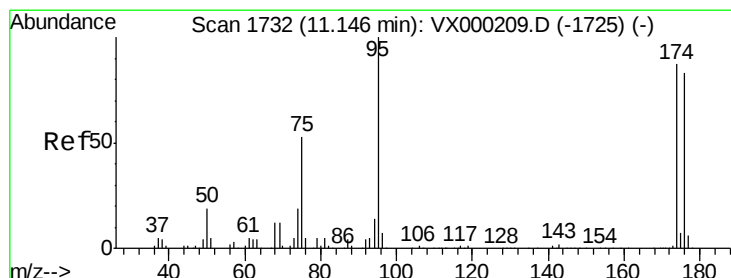
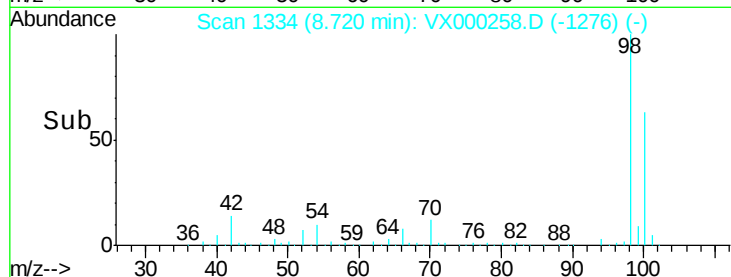
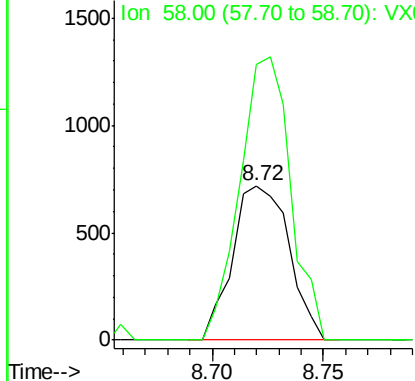
#51
 4-Methyl-2-Pentanone
 Concen: 0.48 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.06 min
 Lab File: VX000258.D
 Acq: 09 Mar 2018 16:25

Instrument :
 MSVOA_X
 ClientSampled :
 MW-1

Tgt Ion: 43 Resp: 1269
 Ion Ratio Lower Upper
 43 100
 58 165.6 30.2 45.2#

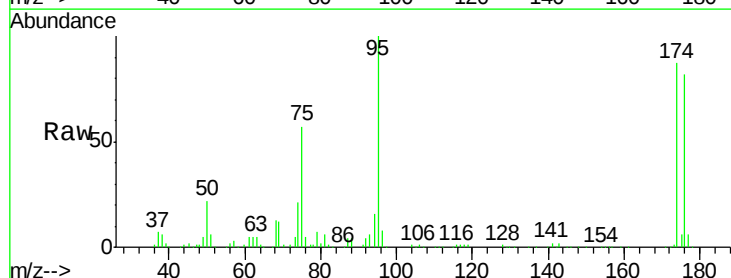


Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

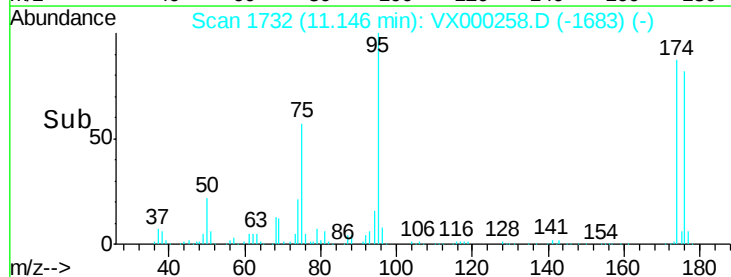
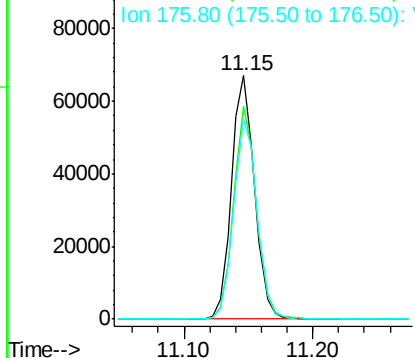


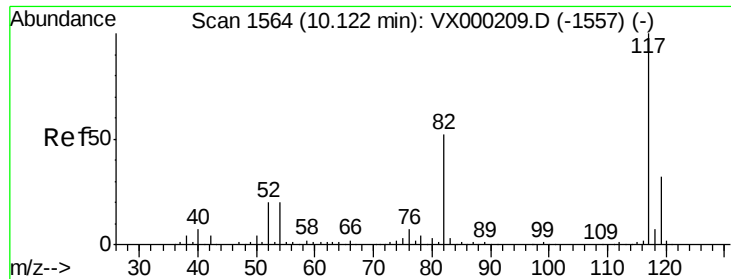
#62
 4-Bromofluorobenzene
 Concen: 43.73 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.00 min
 Lab File: VX000258.D
 Acq: 09 Mar 2018 16:25

Tgt Ion: 95 Resp: 84085
 Ion Ratio Lower Upper
 95 100
 174 86.7 0.0 175.6
 176 83.6 0.0 171.0



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

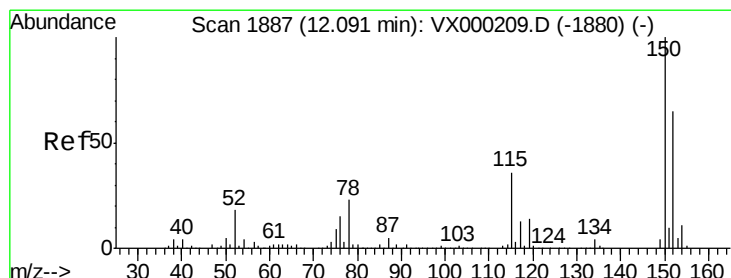
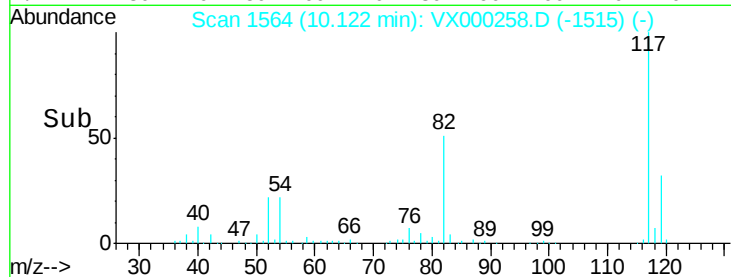
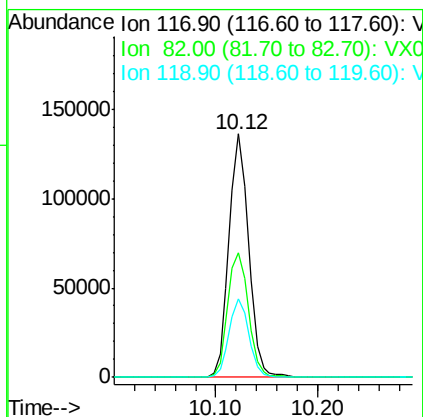
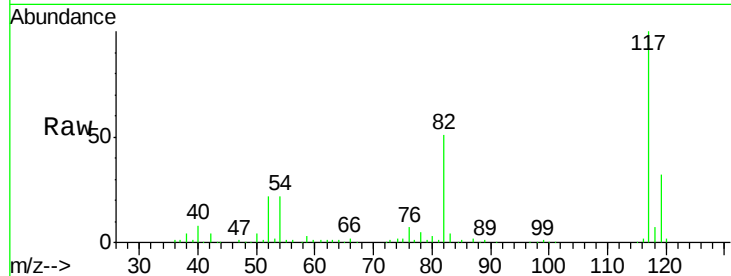




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000258.D
Acq: 09 Mar 2018 16:25

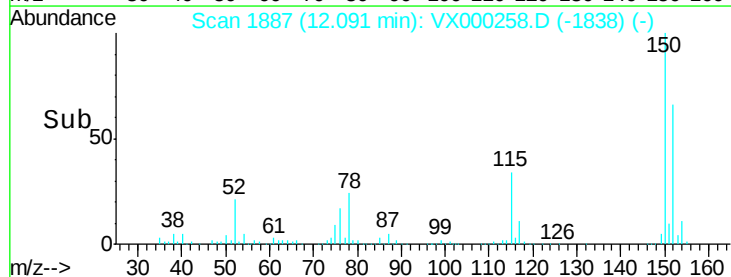
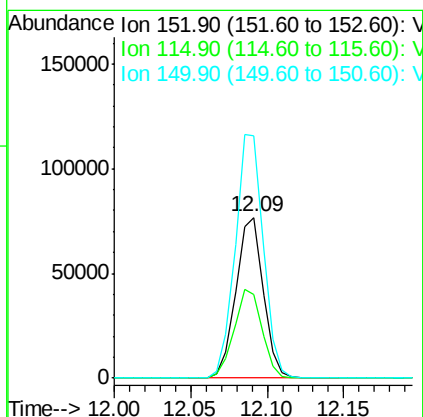
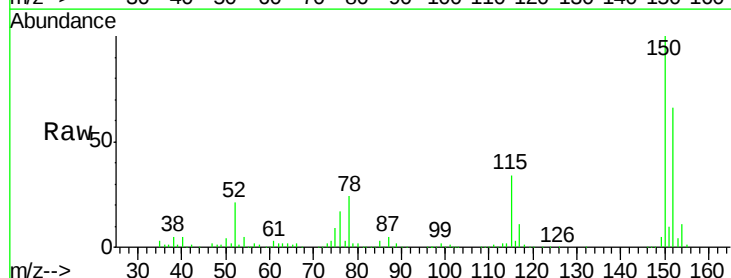
Instrument :
MSVOA_X
ClientSampled :
MW-1

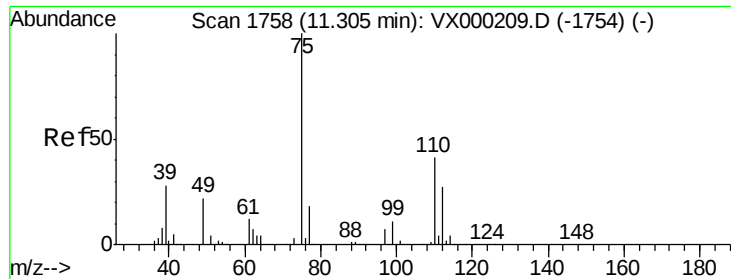
Tgt Ion:117 Resp: 182685
Ion Ratio Lower Upper
117 100
82 51.3 42.0 63.0
119 32.3 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VX000258.D
Acq: 09 Mar 2018 16:25

Tgt Ion:152 Resp: 95549
Ion Ratio Lower Upper
152 100
115 56.4 39.8 119.3
150 155.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.23 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000258.D

Acq: 09 Mar 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

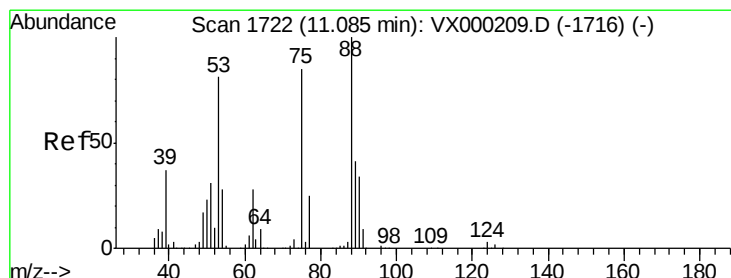
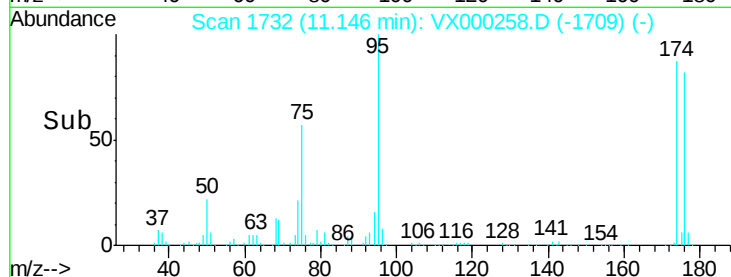
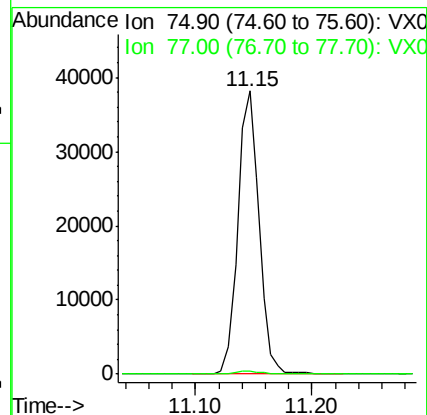
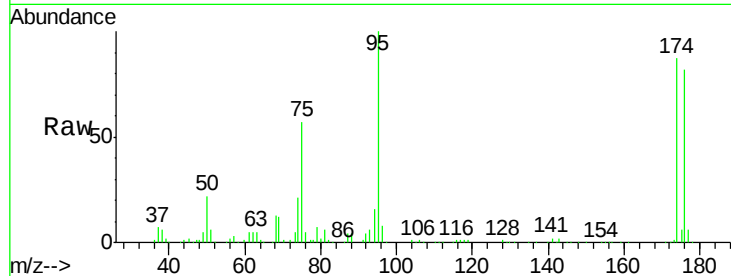
MW-1

Tgt Ion: 75 Resp: 48319

Ion Ratio Lower Upper

75 100

77 1.1 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.25 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000258.D

Acq: 09 Mar 2018 16:25

Tgt Ion: 75 Resp: 48319

Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

89 0.1 38.8 58.2#

