

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060518\
 Data File : VX002327.D
 Acq On : 06 Jun 2018 01:44
 Operator : JC/MD
 Sample : J3308-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GMW-01

Quant Time: Jun 06 04:38:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	236275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	344003	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	322737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	185455	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	167044	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
35) Dibromofluoromethane	5.51	113	120705	44.62	ug/l	0.00
Spiked Amount			Recovery	=	89.24%	
50) Toluene-d8	8.72	98	496311	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	
62) 4-Bromofluorobenzene	11.14	95	178519	44.65	ug/l	0.00
Spiked Amount			Recovery	=	89.30%	

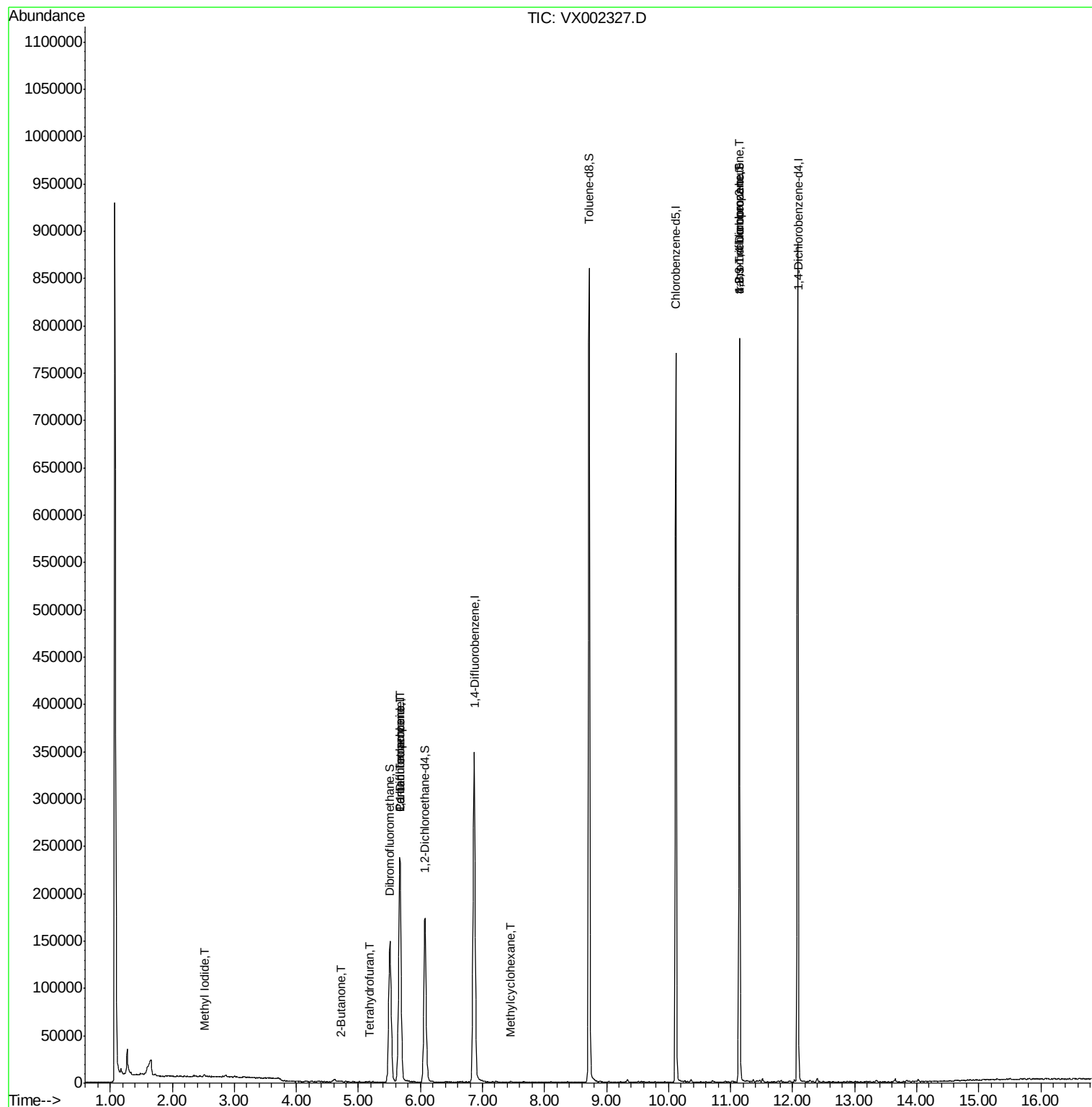
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	493	Below Cal	#	81
5) Bromomethane	1.64	94	1888	Below Cal	#	65
8) Diethyl Ether	2.44	74	70	Below Cal		65
10) Methyl Iodide	2.53	142	1966	0.55	ug/l	97
11) Tert butyl alcohol	3.09	59	452	Below Cal	#	1
13) Acrolein	2.29	56	98	Below Cal	#	1
15) Acrylonitrile	3.17	53	308	Below Cal	#	35
16) Acetone	2.45	43	1100	Below Cal	#	78
18) Methyl Acetate	2.77	43	410	Below Cal	#	73
19) Methyl tert-butyl Ether	3.21	73	407	Below Cal	#	71
20) Methylene Chloride	2.86	84	728	Below Cal	#	67
22) Diisopropyl ether	3.87	45	220	Below Cal	#	74
25) 2-Butanone	4.71	43	501	0.22	ug/l	98
28) Bromochloromethane	5.02	49	172	Below Cal	#	13
29) Tetrahydrofuran	5.18	42	379	0.25	ug/l	40
36) 1,1-Dichloropropene	5.67	75	16811	4.65	ug/l	50
38) Carbon Tetrachloride	5.67	117	21812	5.77	ug/l	15
39) Methylcyclohexane	7.45	83	116	0.29	ug/l	28
76) 1,2,3-Trichloropropane	11.14	75	96585	23.73	ug/l	33
81) trans-1,4-Dichloro-2-buten	11.14	75	96585	83.20	ug/l	6

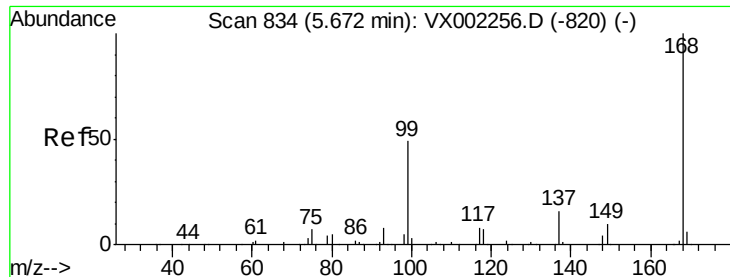
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002327.D

Acq: 06 Jun 2018 01:44

Instrument :

MSVOA_X

ClientSampleId :

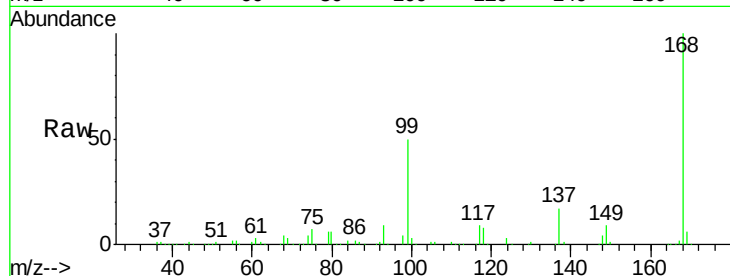
GMW-01

Tot Ion:168 Resp: 236275

Ion Ratio Lower Upper

168 100

99 50.3 39.3 58.9

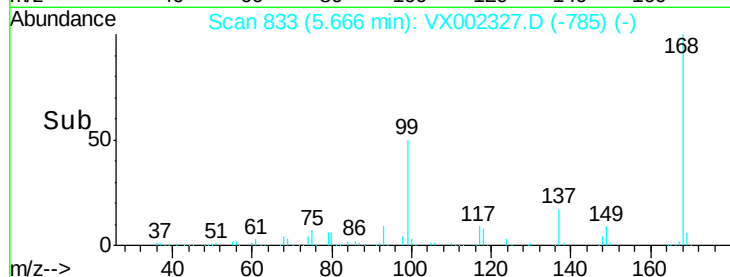


Abundance Ion 167.90 (167.60 to 168.60): V

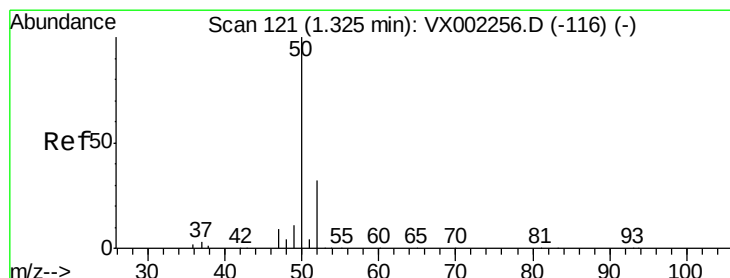
Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002327.D

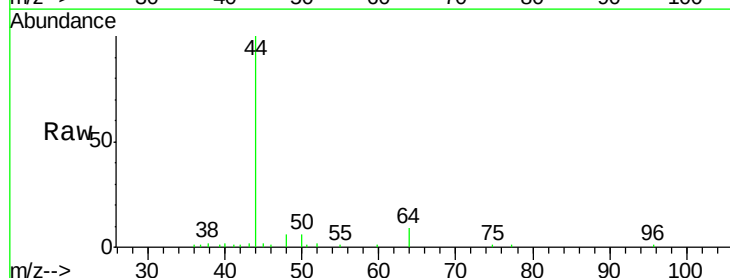
Acq: 06 Jun 2018 01:44

Tgt Ion: 50 Resp: 493

Ion Ratio Lower Upper

50 100

52 42.5 25.7 38.5#

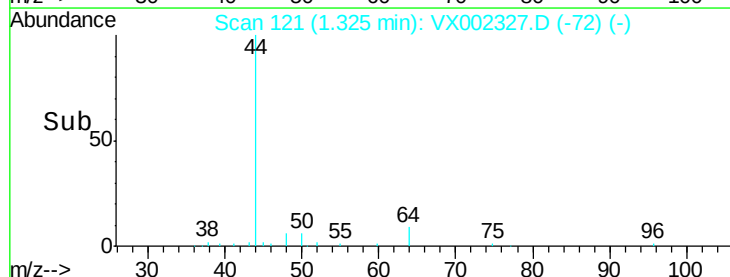


Abundance Ion 49.90 (49.60 to 50.60): VX0

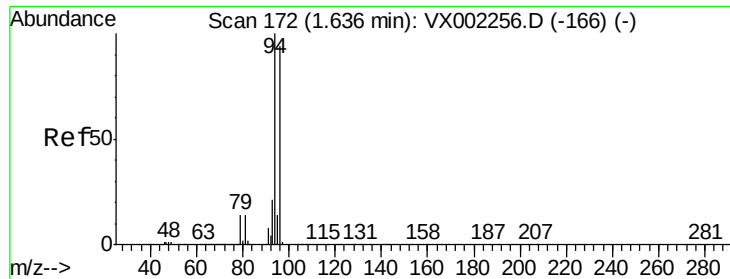
Ion 51.90 (51.60 to 52.60): VX0

1.32

Time-->



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002327.D

Acq: 06 Jun 2018 01:44

Instrument :

MSVOA_X

ClientSampled :

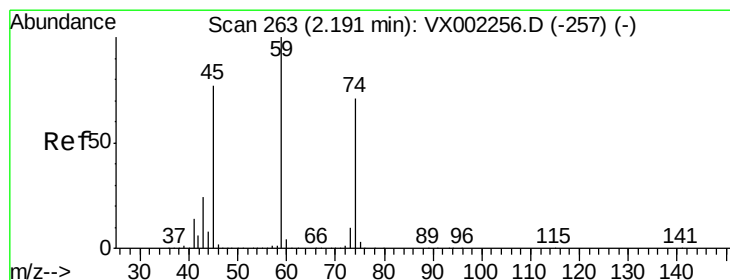
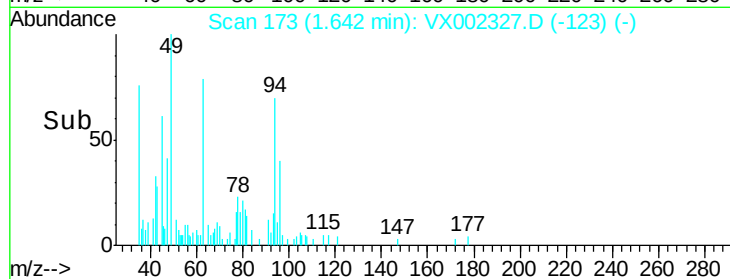
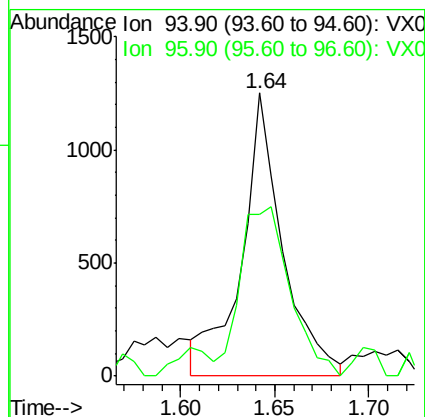
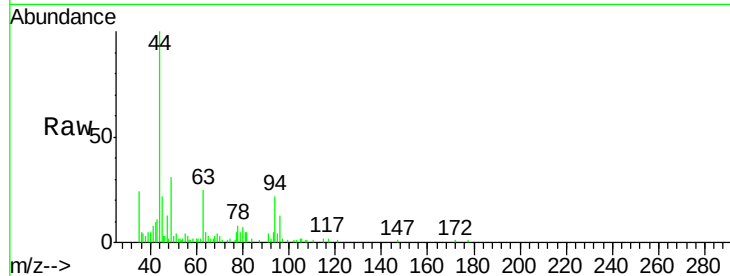
GMW-01

Tot Ion: 94 Resp: 1888

Ion Ratio Lower Upper

94 100

96 59.5 74.9 112.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.44 min Scan# 304

Delta R.T. 0.25 min

Lab File: VX002327.D

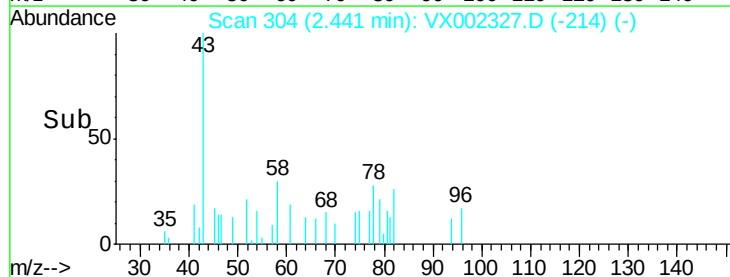
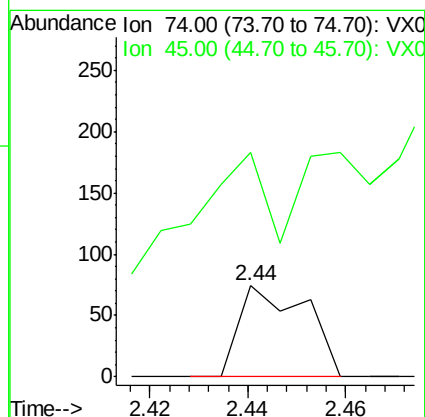
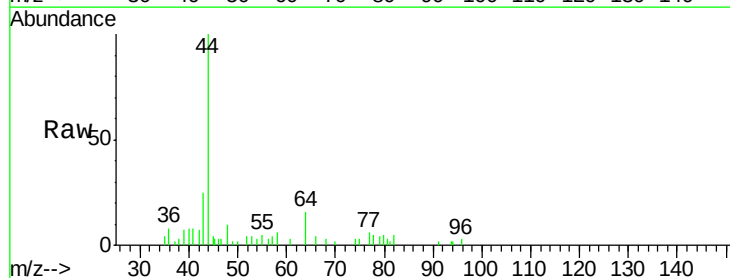
Acq: 06 Jun 2018 01:44

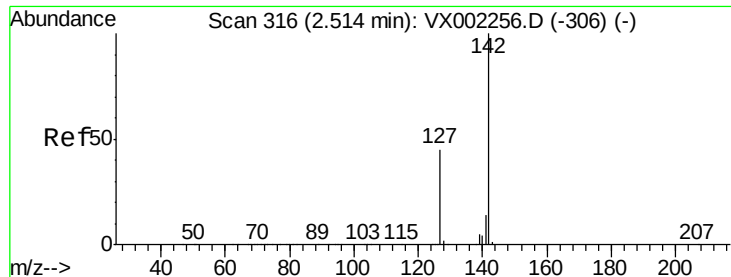
Tgt Ion: 74 Resp: 70

Ion Ratio Lower Upper

74 100

45 142.9 53.1 159.4

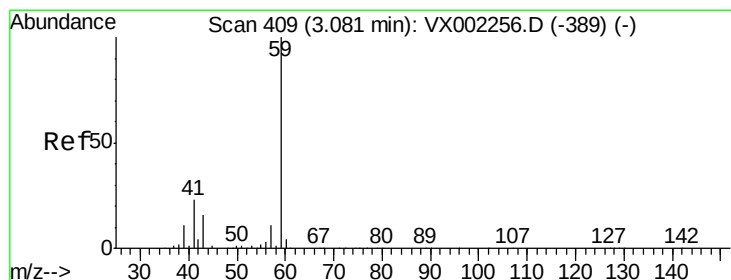
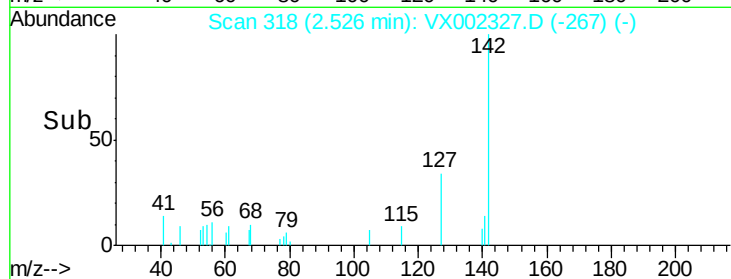
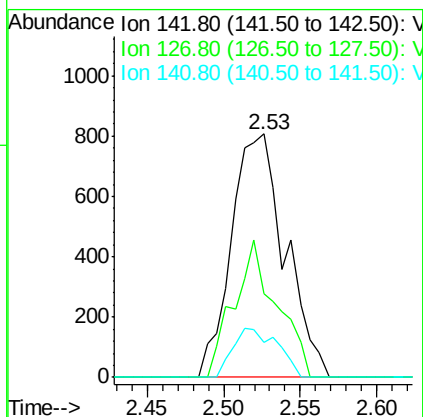
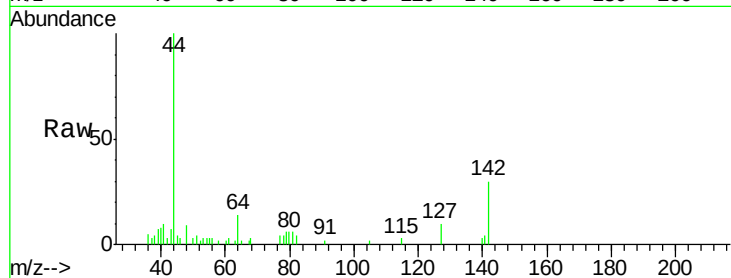




#10
Methyl Iodide
Concen: 0.55 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX002327.D
Acq: 06 Jun 2018 01:44

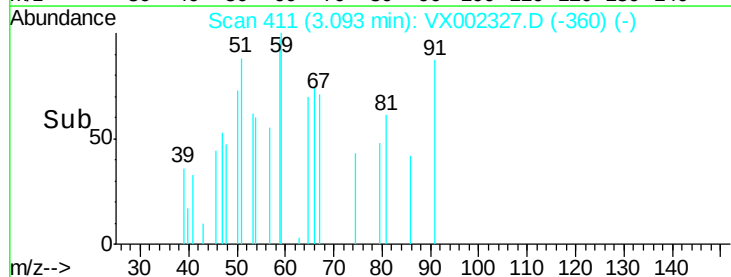
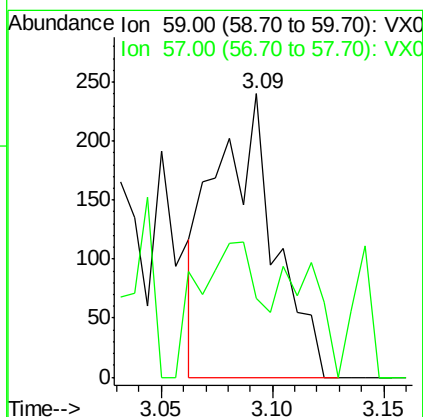
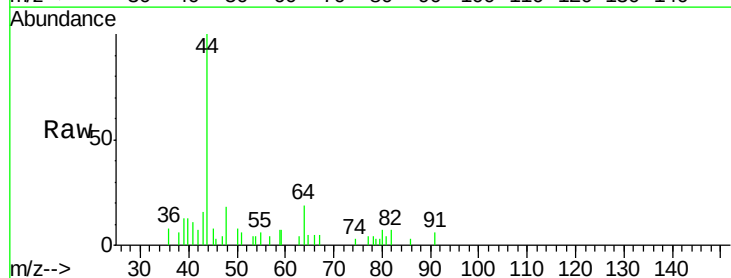
Instrument :
MSVOA_X
ClientSampled :
GMW-01

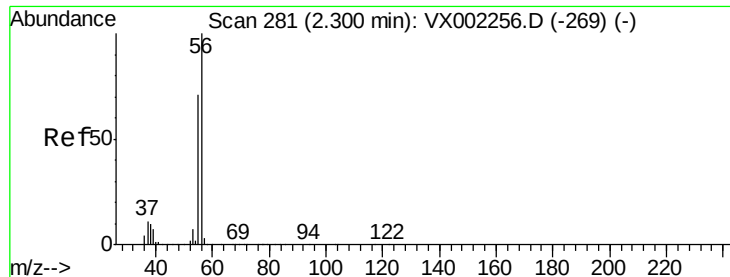
Tot Ion:142 Resp: 1966
Ion Ratio Lower Upper
142 100
127 44.7 36.6 55.0
141 16.7 11.3 16.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.09 min Scan# 411
Delta R.T. 0.01 min
Lab File: VX002327.D
Acq: 06 Jun 2018 01:44

Tgt Ion: 59 Resp: 452
Ion Ratio Lower Upper
59 100
57 48.7 8.2 12.2#





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX002327.D

Acq: 06 Jun 2018 01:44

Instrument :

MSVOA_X

ClientSampled :

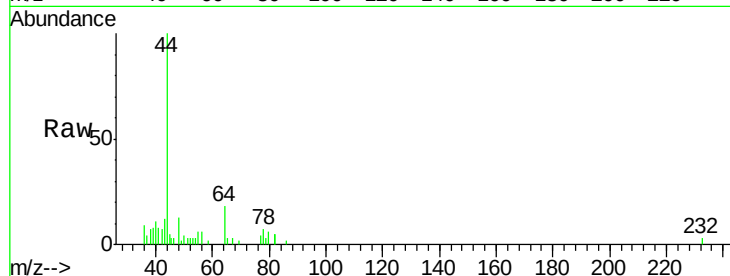
GMW-01

Tot Ion: 56 Resp: 98

Ion Ratio Lower Upper

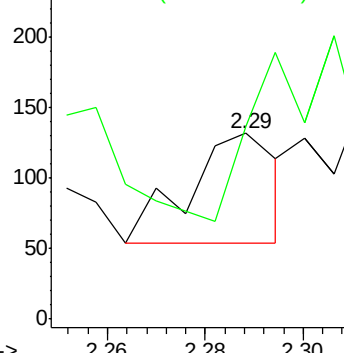
56 100

55 192.9 57.0 85.4#

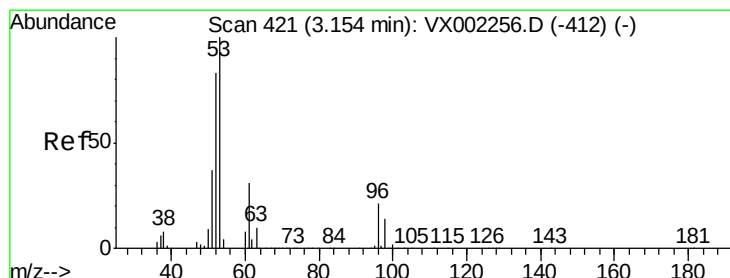
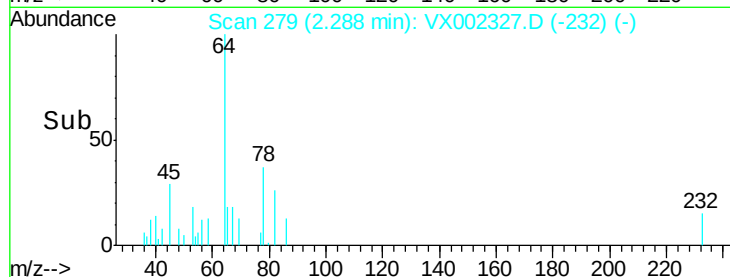


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#15

Acrylonitrile

Concen: Below Cal

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX002327.D

Acq: 06 Jun 2018 01:44

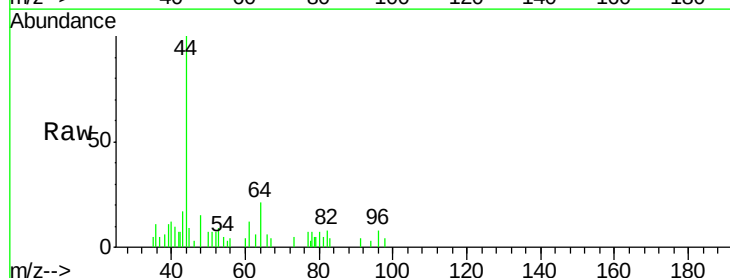
Tgt Ion: 53 Resp: 308

Ion Ratio Lower Upper

53 100

52 0.0 66.7 100.1#

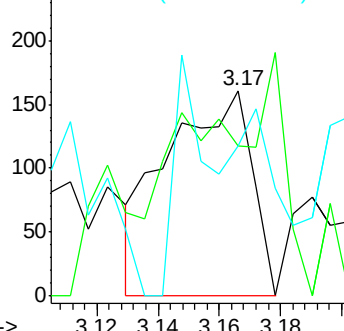
51 35.7 29.9 44.9



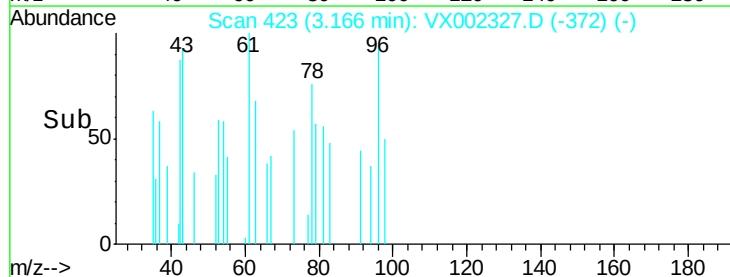
Abundance Ion 53.00 (52.70 to 53.70): VX0

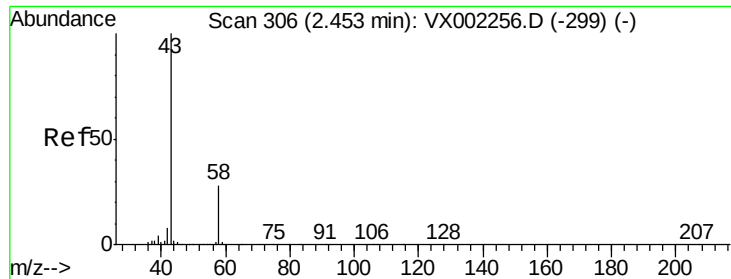
Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->

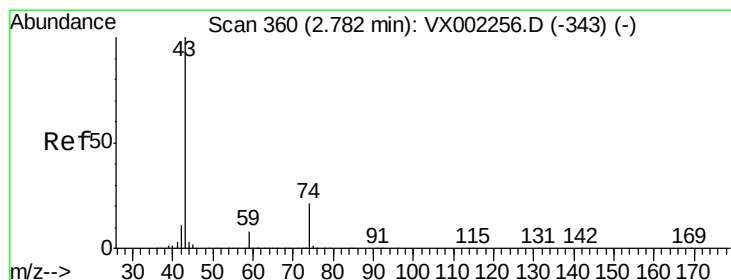
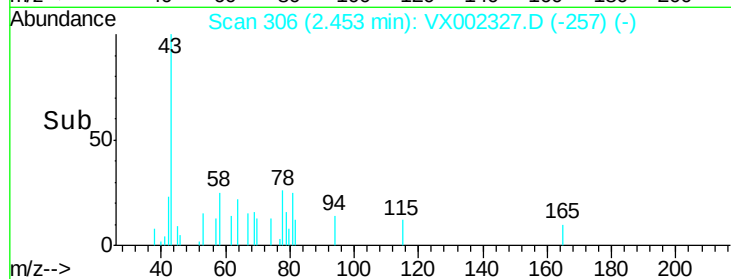
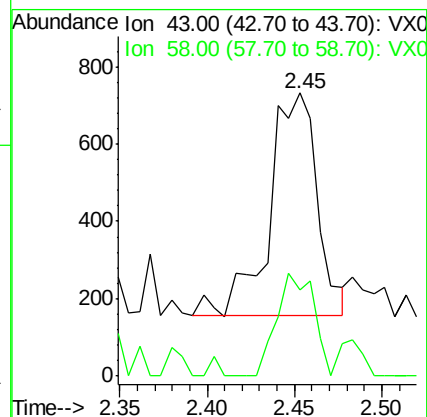
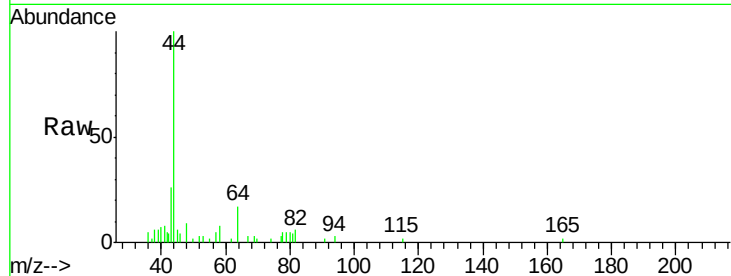




#16
Acetone
Concen: Below Cal
RT: 2.45 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX002327.D
Acq: 06 Jun 2018 01:44

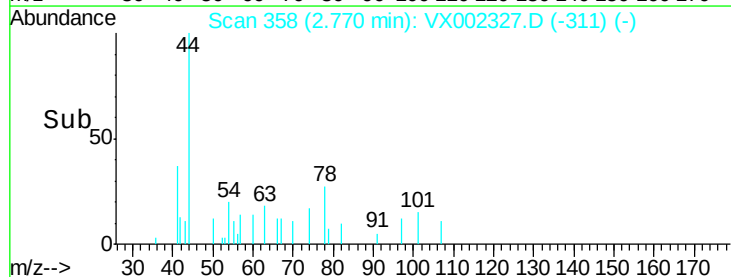
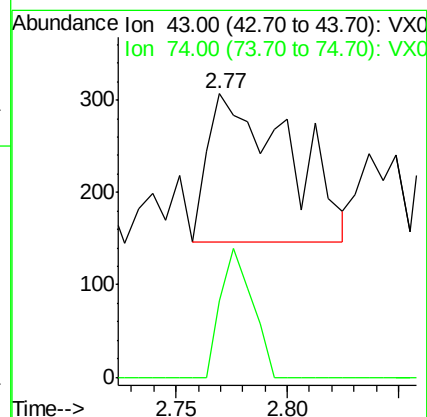
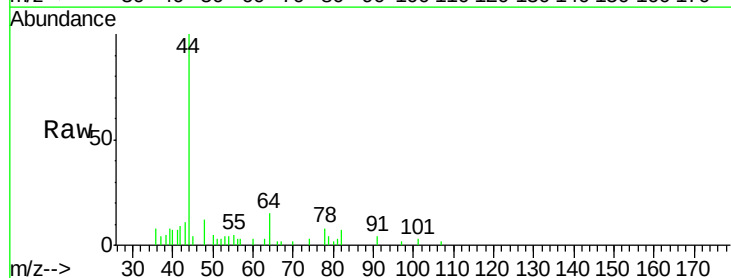
Instrument :
MSVOA_X
ClientSampleId :
GMW-01

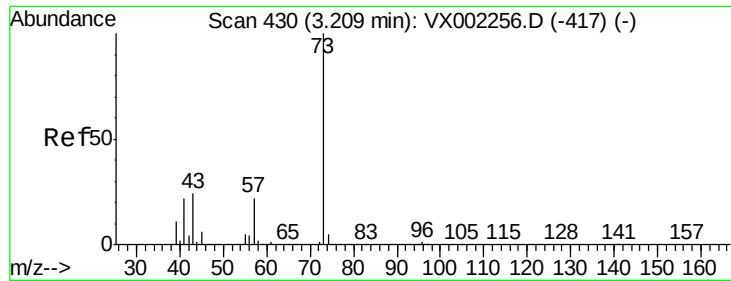
Tot Ion: 43 Resp: 1100
Ion Ratio Lower Upper
43 100
58 39.0 22.1 33.1#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.77 min Scan# 358
Delta R.T. -0.01 min
Lab File: VX002327.D
Acq: 06 Jun 2018 01:44

Tgt Ion: 43 Resp: 410
Ion Ratio Lower Upper
43 100
74 33.7 16.7 25.1#



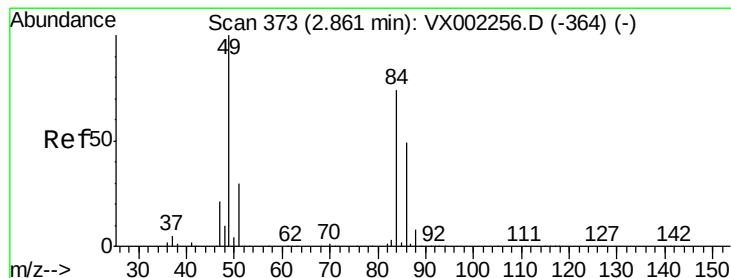
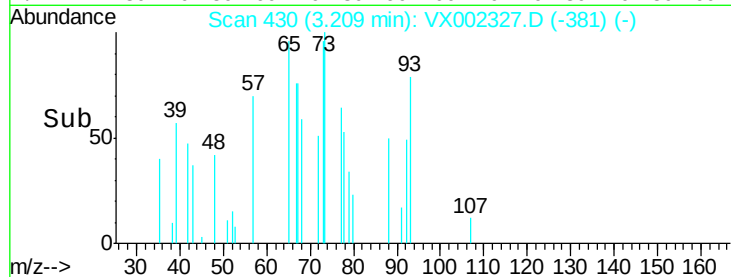
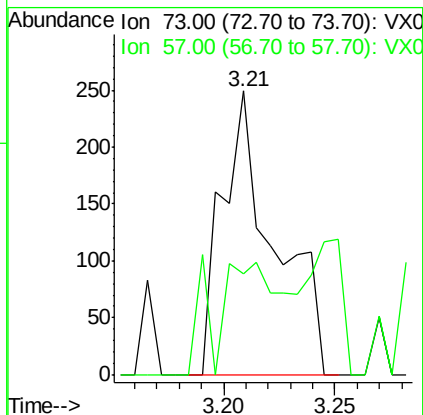
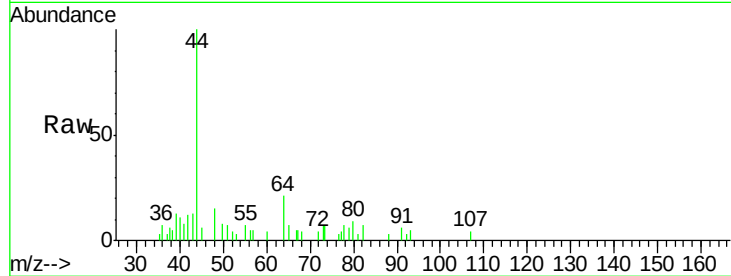


#19

Methyl tert-butyl Ether
 Concen: Below Cal
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX002327.D
 Acq: 06 Jun 2018 01:44

Instrument :
 MSVOA_X
 ClientSampled :
 GMW-01

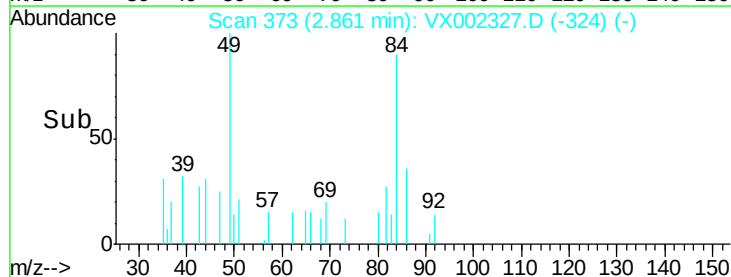
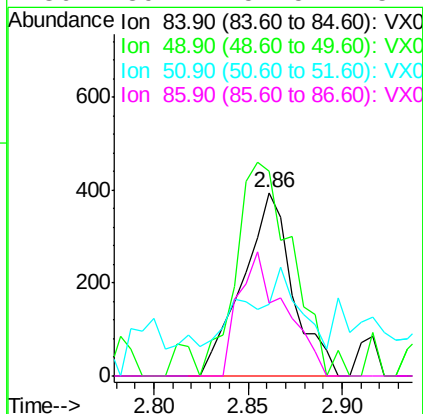
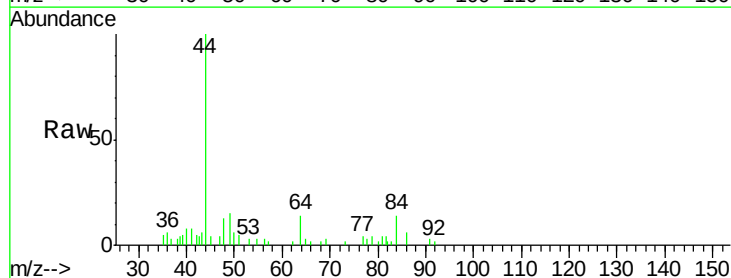
Tot Ion: 73 Resp: 407
 Ion Ratio Lower Upper
 73 100
 57 35.7 17.7 26.5#

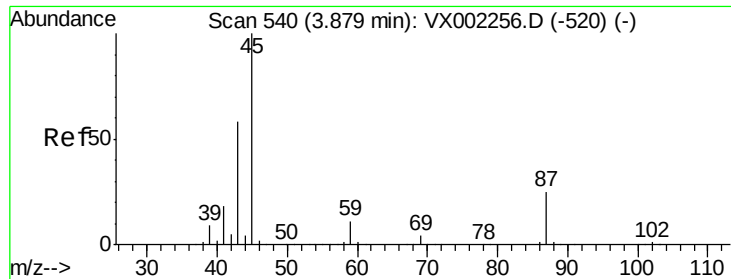


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX002327.D
 Acq: 06 Jun 2018 01:44

Tgt Ion: 84 Resp: 728
 Ion Ratio Lower Upper
 84 100
 49 97.7 107.8 161.6#
 51 17.0 32.8 49.2#
 86 39.7 52.5 78.7#



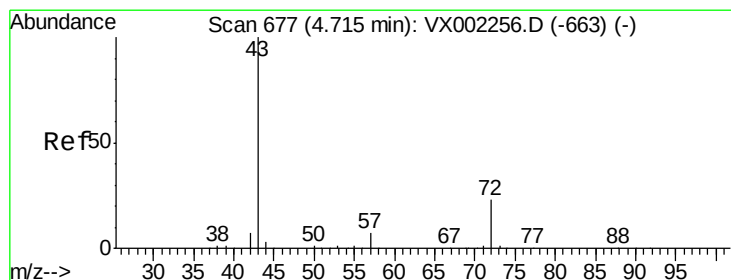
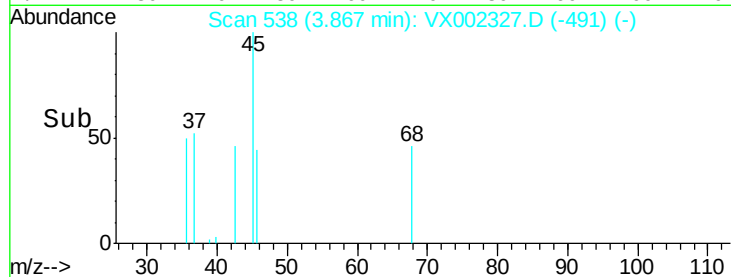
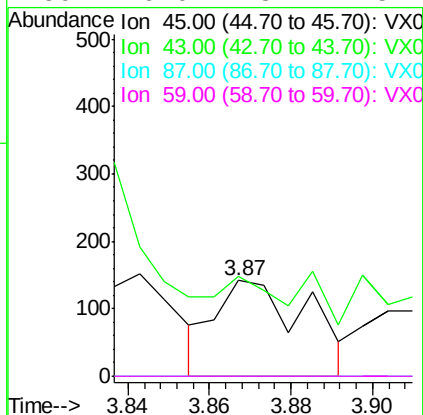
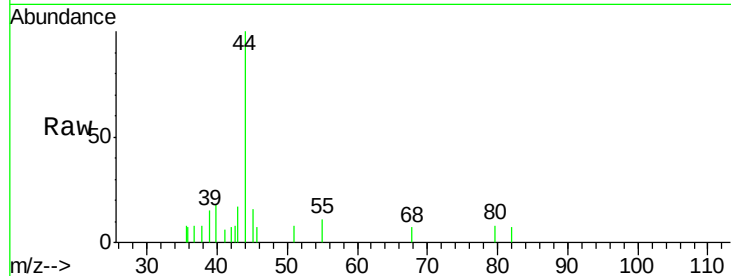


#22

Diisopropyl ether
Concen: Below Cal
RT: 3.87 min Scan# 538
Delta R.T. -0.01 min
Lab File: VX002327.D
Acq: 06 Jun 2018 01:44

Instrument :
MSVOA_X
ClientSampled :
GMW-01

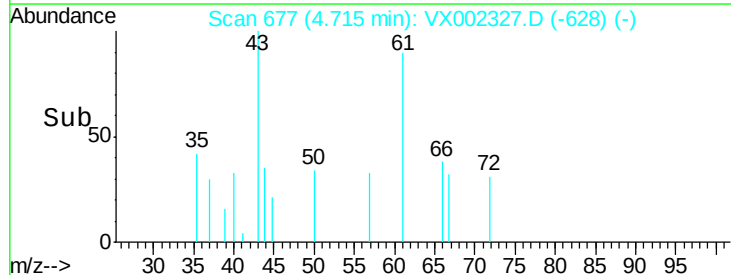
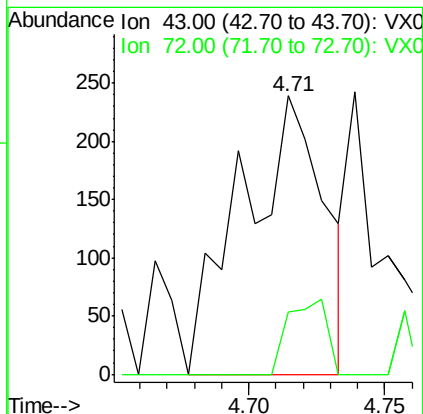
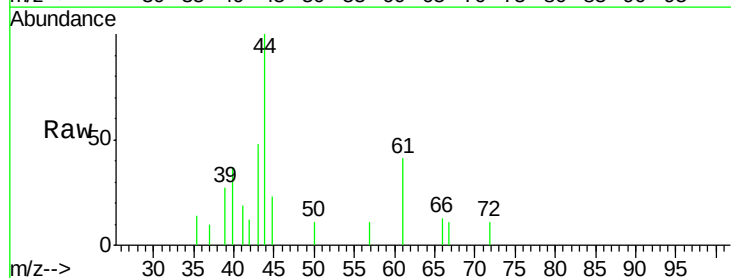
Tot Ion:	45	Resp:	220
Ion	Ratio	Lower	Upper
45	100		
43	47.1	46.8	70.2
87	0.0	20.2	30.4#
59	0.0	8.7	13.1#

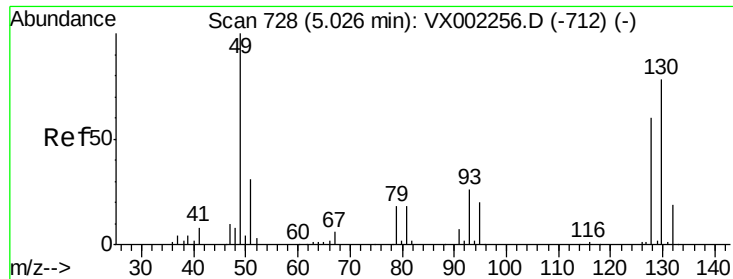


#25

2-Butanone
Concen: 0.22 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.00 min
Lab File: VX002327.D
Acq: 06 Jun 2018 01:44

Tgt Ion:	43	Resp:	501
Ion	Ratio	Lower	Upper
43	100		
72	22.2	18.5	27.7





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX002327.D

Acq: 06 Jun 2018 01:44

Instrument :

MSVOA_X

ClientSampled :

GMW-01

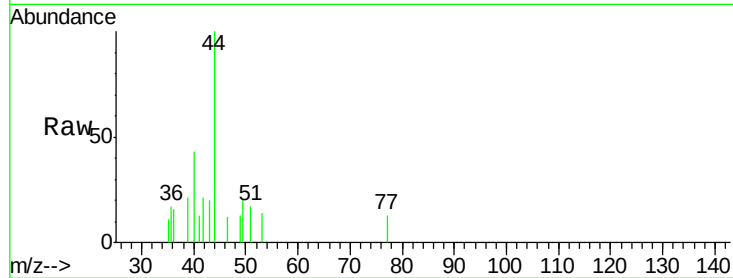
Tot Ion: 49 Resp: 172

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

130 0.0 61.2 91.8#

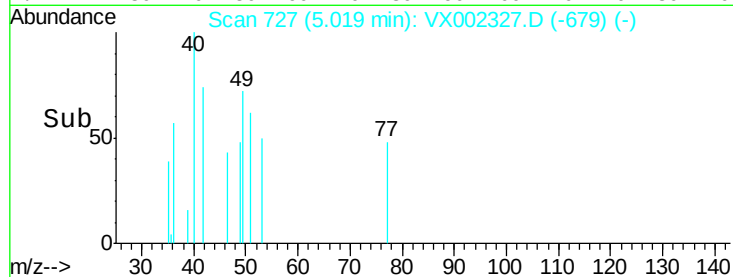


Abundance Ion 48.90 (48.60 to 49.60): VX0

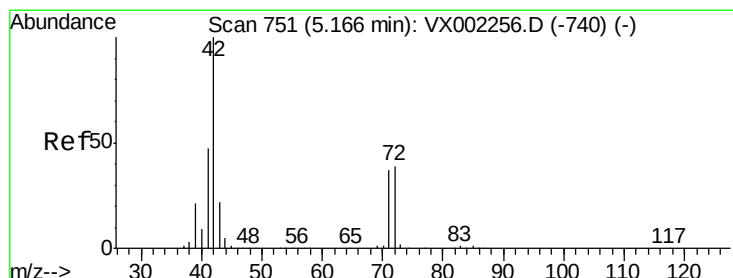
Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

Time-->



Time-->



#29

Tetrahydrofuran

Concen: 0.25 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.02 min

Lab File: VX002327.D

Acq: 06 Jun 2018 01:44

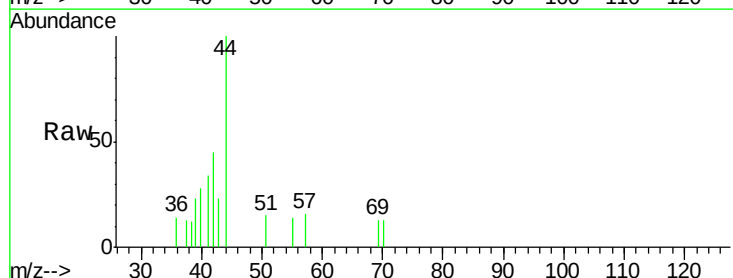
Tgt Ion: 42 Resp: 379

Ion Ratio Lower Upper

42 100

72 0.0 32.0 48.0#

71 5.0 30.1 45.1#

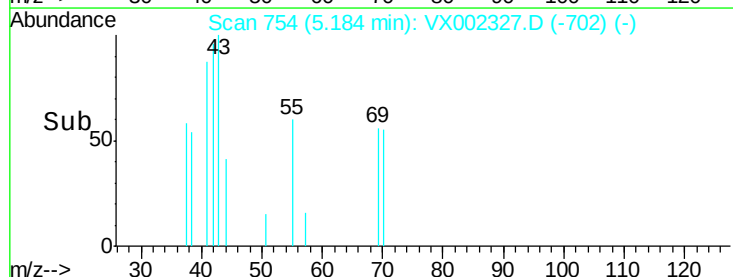


Abundance Ion 42.00 (41.70 to 42.70): VX0

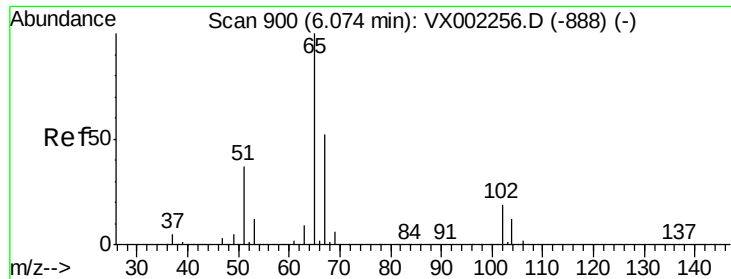
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

Time-->



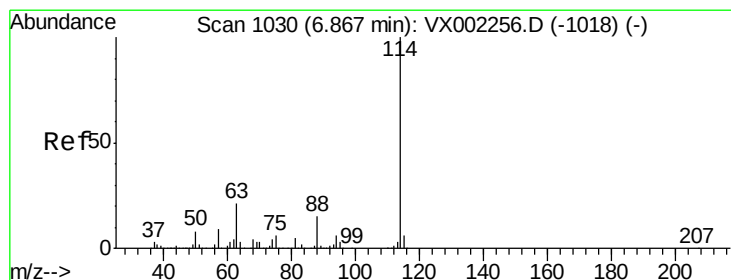
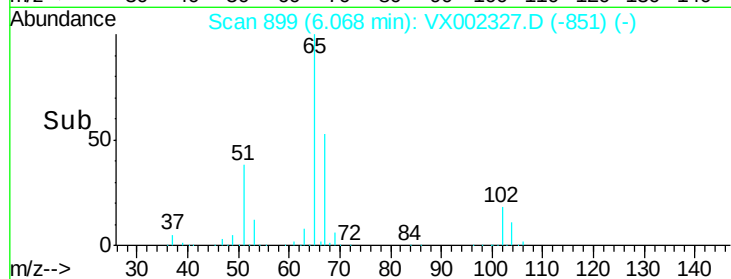
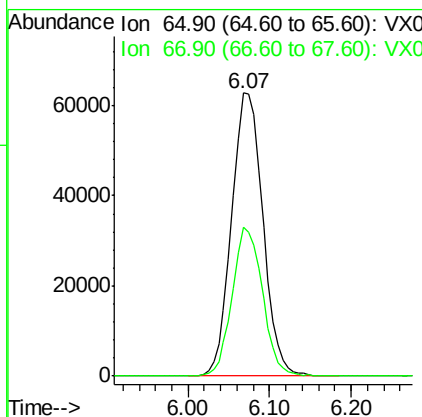
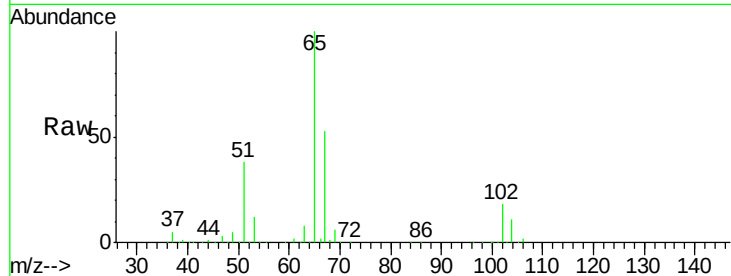
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 49.40 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX002327.D
 Acq: 06 Jun 2018 01:44

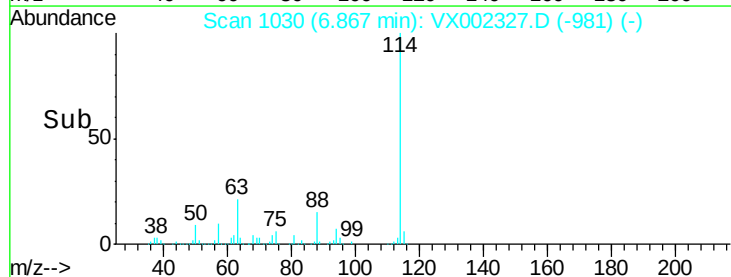
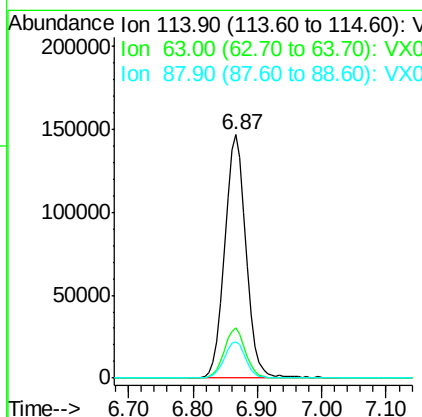
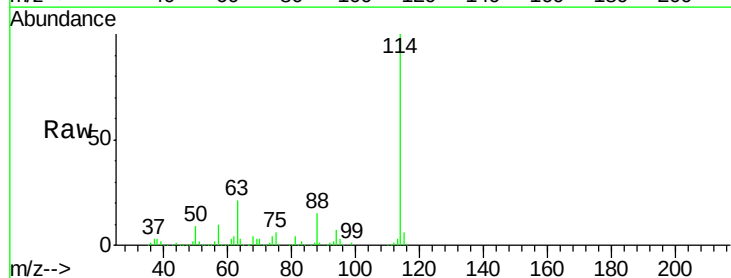
Instrument :
 MSVOA_X
 ClientSampleId :
 GMW-01

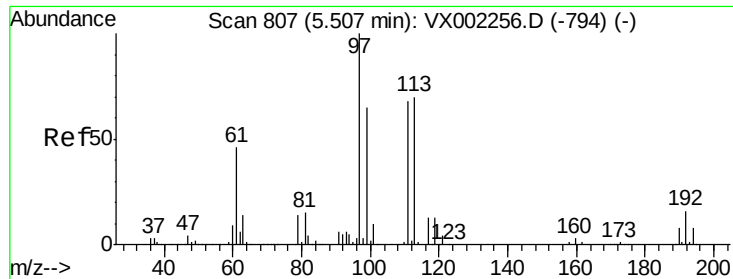
Tot Ion: 65 Resp: 167044
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002327.D
 Acq: 06 Jun 2018 01:44

Tgt Ion: 114 Resp: 344003
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.4
 88 15.0 0.0 30.0

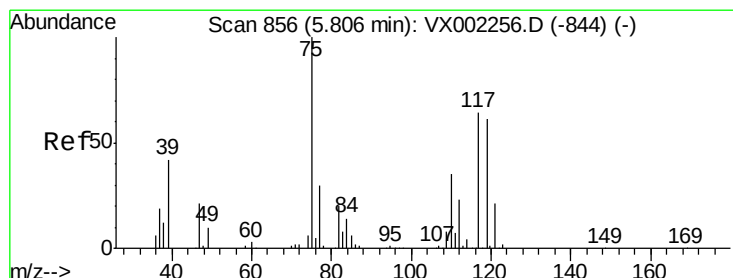
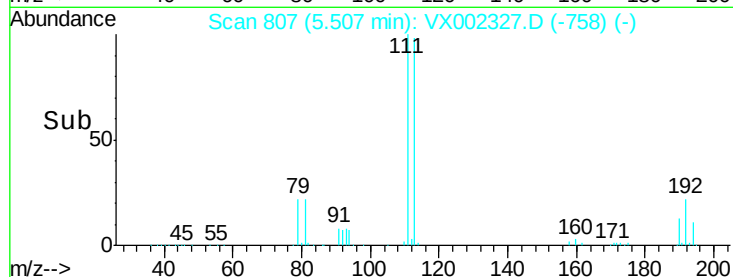
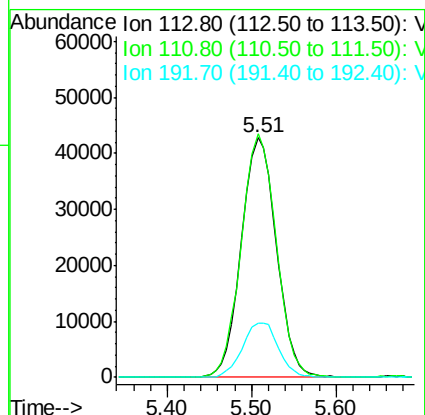
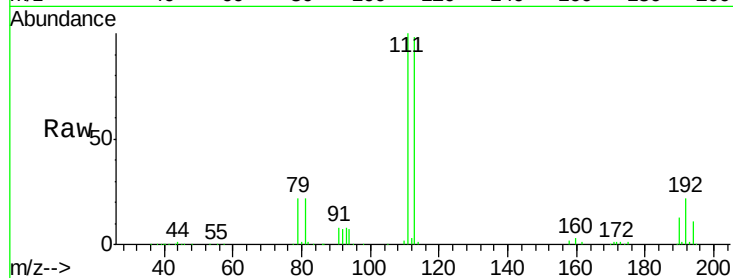




#35
 Dibromofluoromethane
 Concen: 44.62 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002327.D
 Acq: 06 Jun 2018 01:44

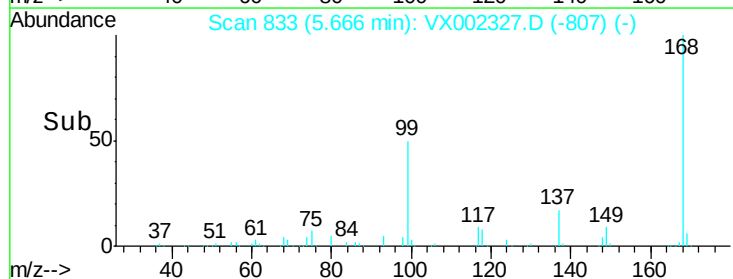
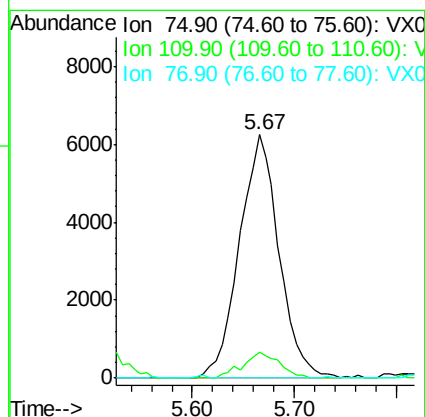
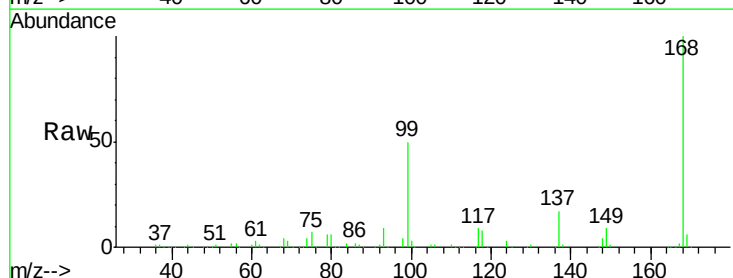
Instrument :
 MSVOA_X
 ClientSampled :
 GMW-01

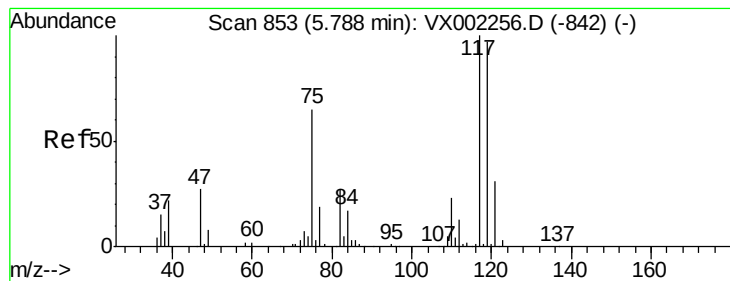
Tot Ion:113 Resp: 120705
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.4 122.0
 192 23.4 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.65 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX002327.D
 Acq: 06 Jun 2018 01:44

Tgt Ion: 75 Resp: 16811
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.1 54.4#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.77 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002327.D

Acq: 06 Jun 2018 01:44

Instrument :

MSVOA_X

ClientSampled :

GMW-01

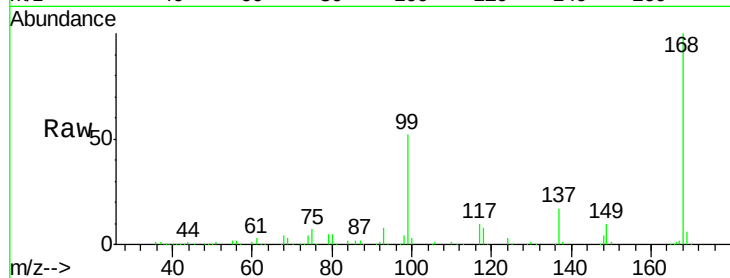
Tot Ion:117 Resp: 21812

Ion Ratio Lower Upper

117 100

119 4.2 77.4 116.0#

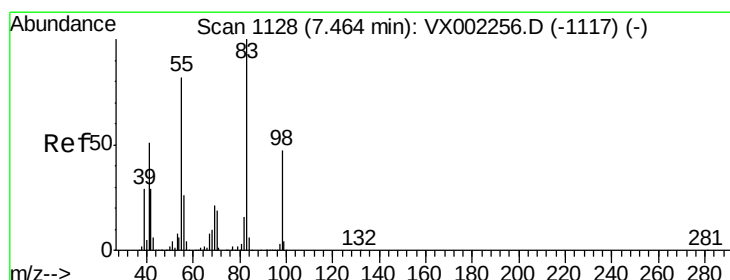
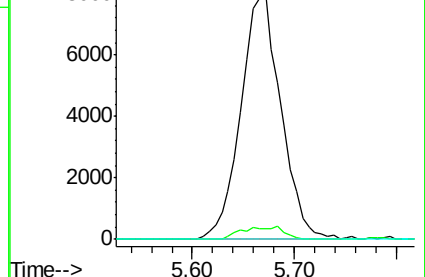
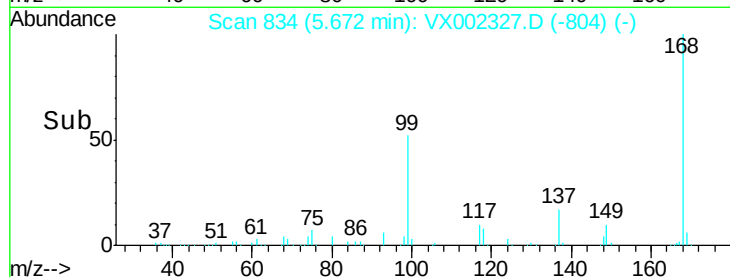
121 0.0 24.4 36.6#



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



#39

Methylcyclohexane

Concen: 0.29 ug/l

RT: 7.45 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VX002327.D

Acq: 06 Jun 2018 01:44

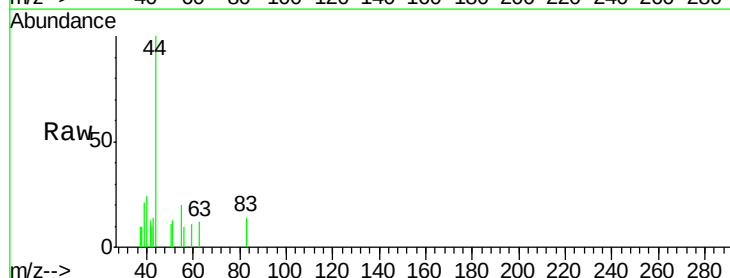
Tgt Ion: 83 Resp: 116

Ion Ratio Lower Upper

83 100

55 147.3 65.4 98.0#

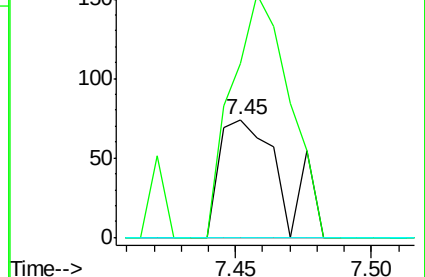
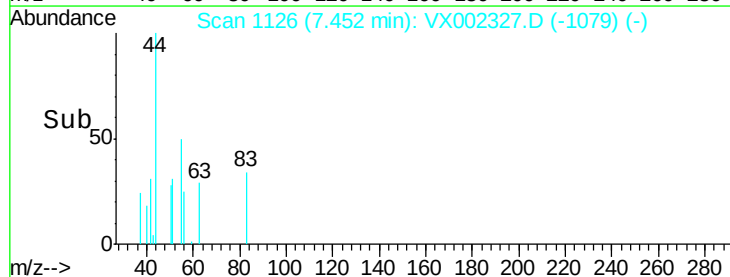
98 0.0 37.4 56.0#

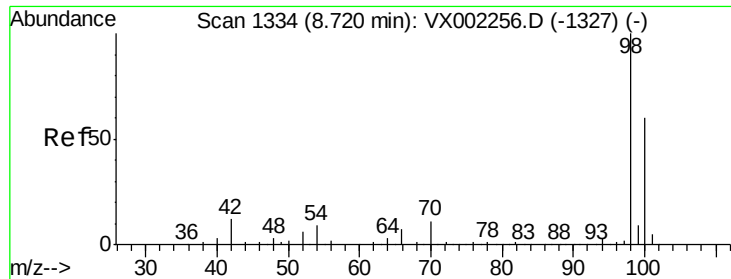


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 47.86 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002327.D

Acq: 06 Jun 2018 01:44

Instrument :

MSVOA_X

ClientSampleId :

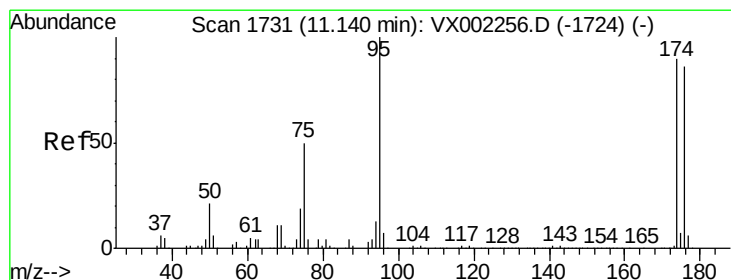
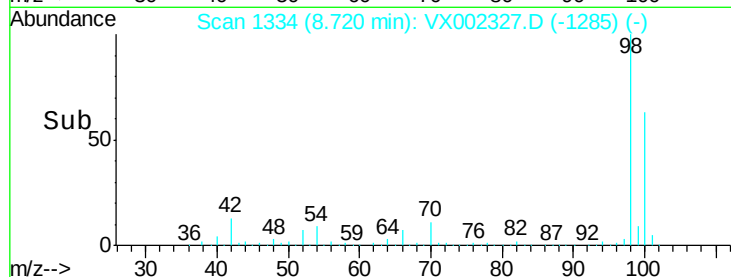
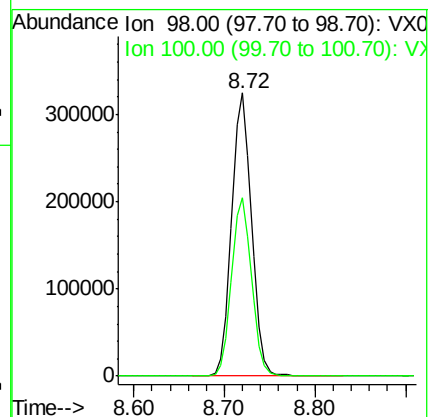
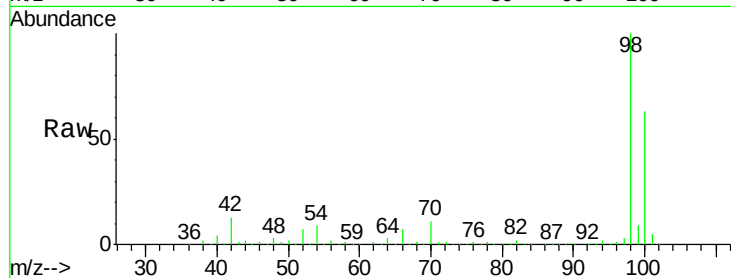
GMW-01

Tot Ion: 98 Resp: 496311

Ion Ratio Lower Upper

98 100

100 63.4 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 44.65 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002327.D

Acq: 06 Jun 2018 01:44

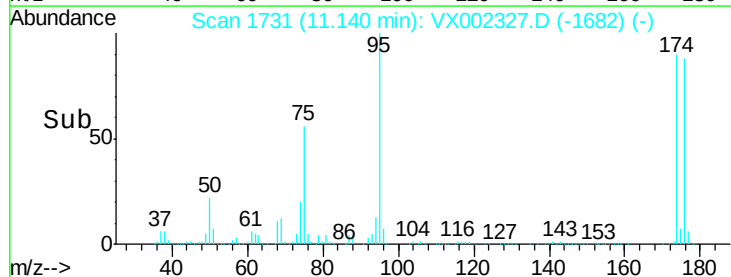
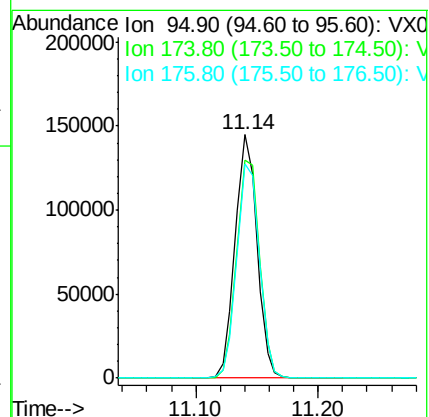
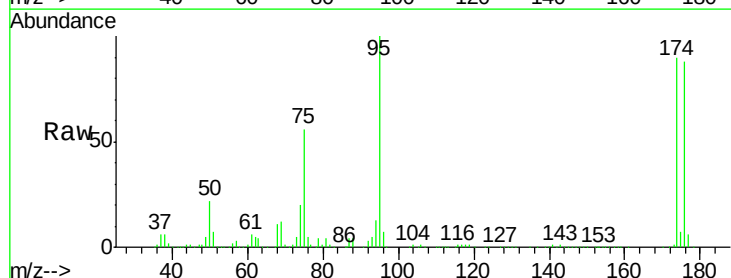
Tgt Ion: 95 Resp: 178519

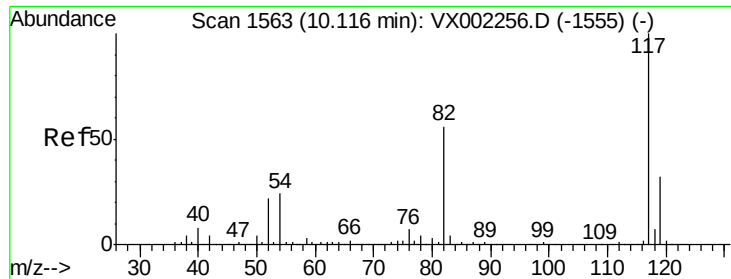
Ion Ratio Lower Upper

95 100

174 94.3 0.0 187.4

176 91.4 0.0 181.0

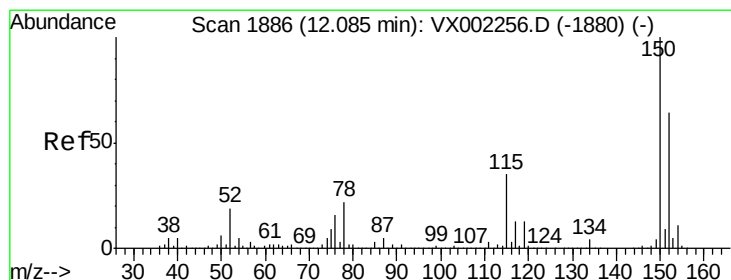
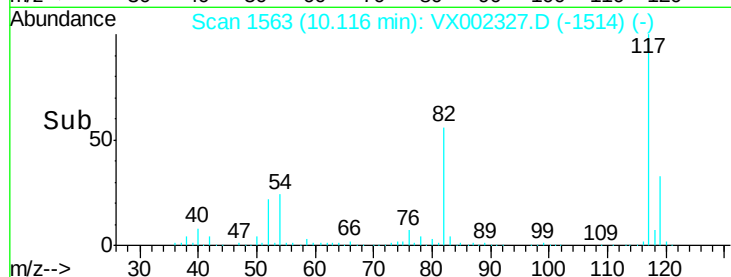
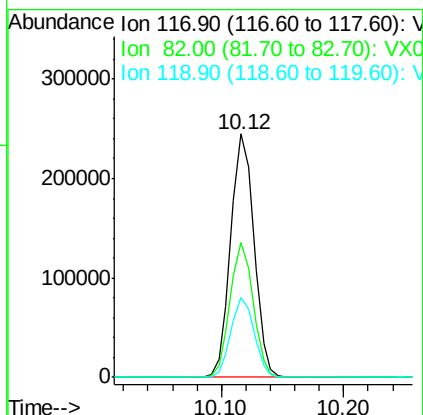
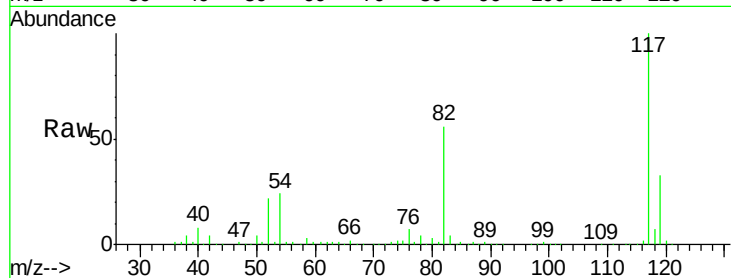




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002327.D
Acq: 06 Jun 2018 01:44

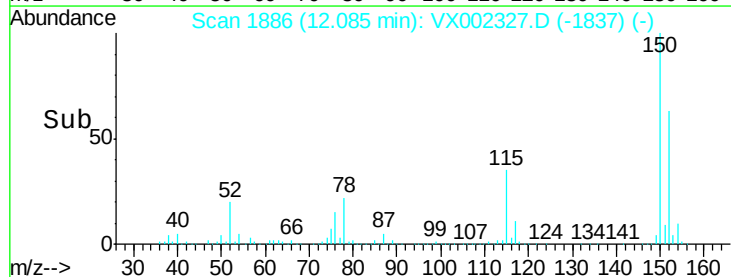
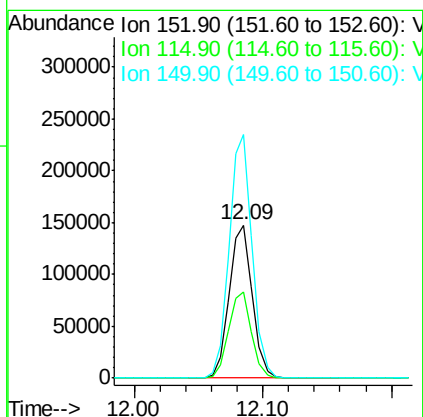
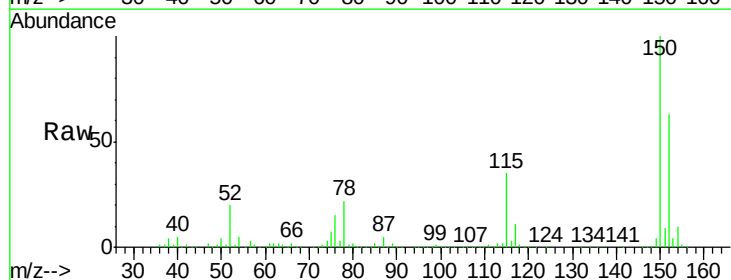
Instrument :
MSVOA_X
ClientSampleId :
GMW-01

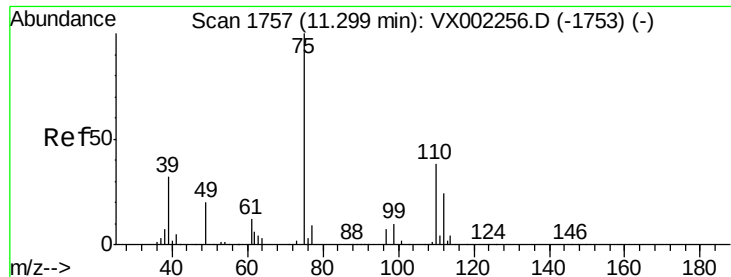
Tot Ion:117 Resp: 322737
Ion Ratio Lower Upper
117 100
82 55.6 45.0 67.4
119 32.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002327.D
Acq: 06 Jun 2018 01:44

Tgt Ion:152 Resp: 185455
Ion Ratio Lower Upper
152 100
115 55.7 40.1 120.2
150 157.4 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 23.73 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002327.D

Acq: 06 Jun 2018 01:44

Instrument :

MSVOA_X

ClientSampleId :

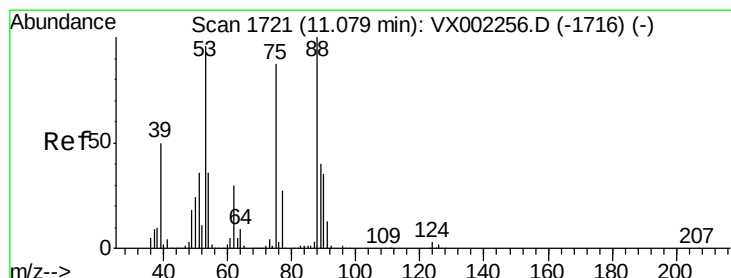
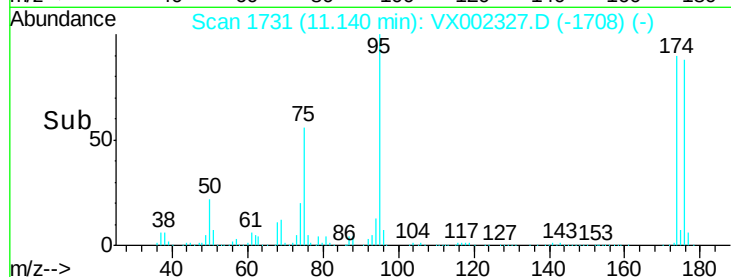
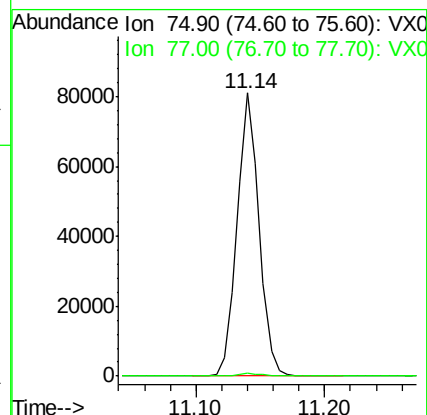
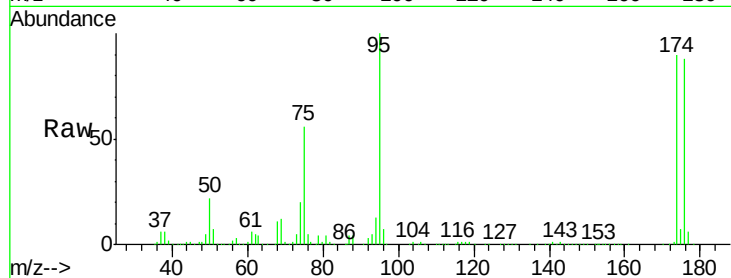
GMW-01

Tot Ion: 75 Resp: 96585

Ion Ratio Lower Upper

75 100

77 1.2 22.8 68.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 83.20 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002327.D

Acq: 06 Jun 2018 01:44

Tgt Ion: 75 Resp: 96585

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#

