

Data Path : Y:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060418\
 Data File : VX002260.D
 Acq On : 04 Jun 2018 15:14
 Operator : JC/MD
 Sample : VX0604WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBL01

Quant Time: Jun 05 04:58:01 2018
 Quant Method : Y:\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	295424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	427024	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	388029	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	219204	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	201125	47.43	ug/l	0.00
Spiked Amount						
			Recovery	=	94.86%	
35) Dibromofluoromethane	5.51	113	147915	44.05	ug/l	0.00
Spiked Amount						
			Recovery	=	88.10%	
50) Toluene-d8	8.72	98	609736	47.37	ug/l	0.00
Spiked Amount						
			Recovery	=	94.74%	
62) 4-Bromofluorobenzene	11.14	95	216395	43.60	ug/l	0.00
Spiked Amount						
			Recovery	=	87.20%	

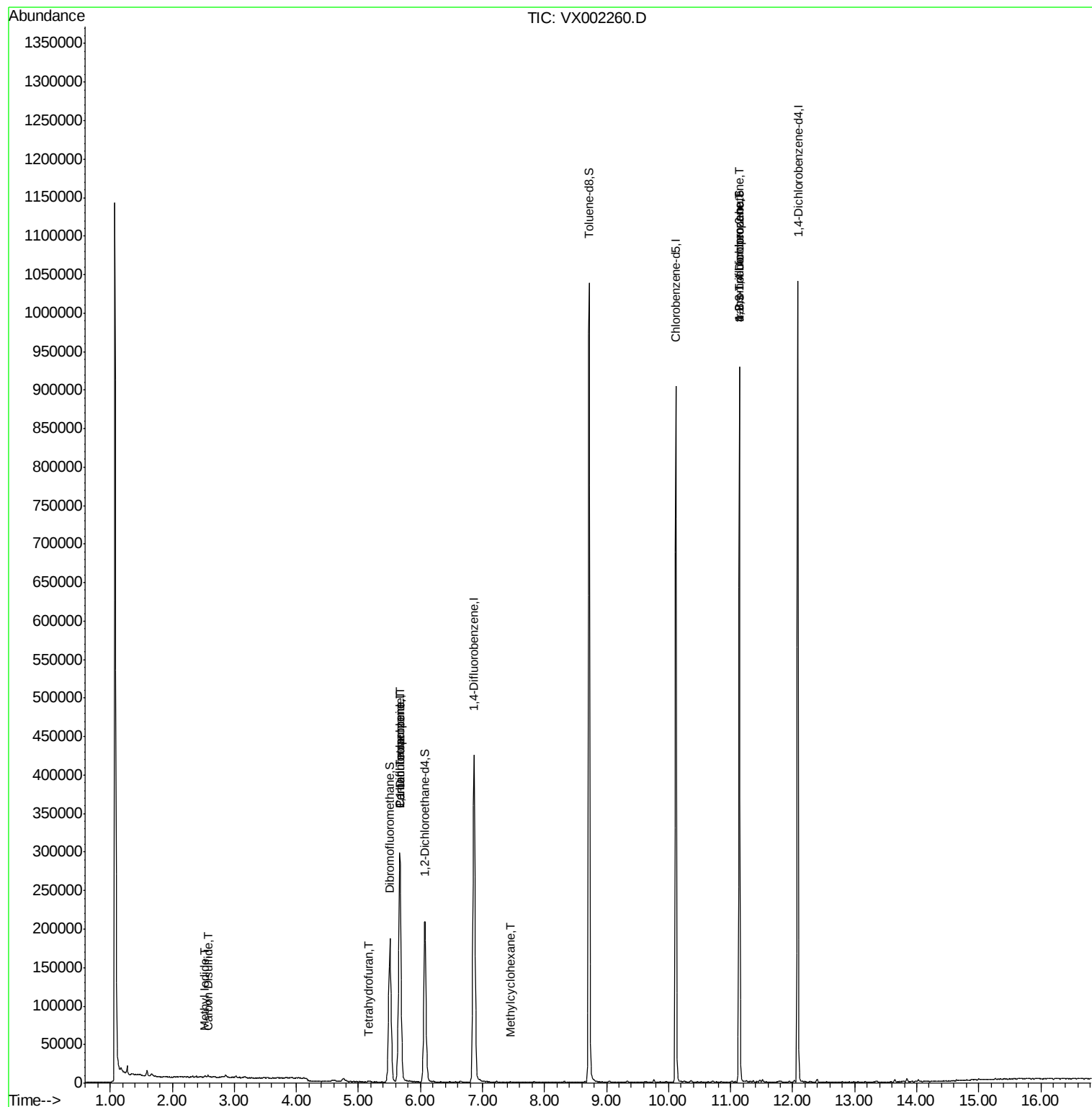
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	857	Below Cal	#	52
5) Bromomethane	1.66	94	1578	Below Cal		81
8) Diethyl Ether	2.16	74	72	Below Cal		65
10) Methyl Iodide	2.53	142	1815	0.41	ug/l	96
11) Tert butyl alcohol	3.03	59	1102	Below Cal	#	89
13) Acrolein	2.29	56	168	Below Cal	#	1
15) Acrylonitrile	3.16	53	843	Below Cal	#	72
16) Acetone	2.45	43	679	Below Cal		96
17) Carbon Disulfide	2.57	76	2469	0.30	ug/l	# 90
18) Methyl Acetate	2.78	43	193	Below Cal	#	1
19) Methyl tert-butyl Ether	3.22	73	70	Below Cal	#	1
20) Methylene Chloride	2.86	84	1256	Below Cal	#	91
22) Diisopropyl ether	3.89	45	113	Below Cal	#	18
28) Bromochloromethane	5.02	49	115	Below Cal	#	13
29) Tetrahydrofuran	5.17	42	1330	0.71	ug/l	# 85
36) 1,1-Dichloropropene	5.66	75	20928	4.66	ug/l	# 41
38) Carbon Tetrachloride	5.67	117	27447	5.84	ug/l	# 15
39) Methylcyclohexane	7.45	83	22	0.27	ug/l	# 17
76) 1,2,3-Trichloropropane	11.14	75	115730	24.06	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	115730	84.34	ug/l	# 6

(#) = 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# 833

Delta R.T. -0.01 min

Lab File: VX002260.D

Acq: 04 Jun 2018 15:14

Instrument :

MSVOA_X

ClientSampleId :

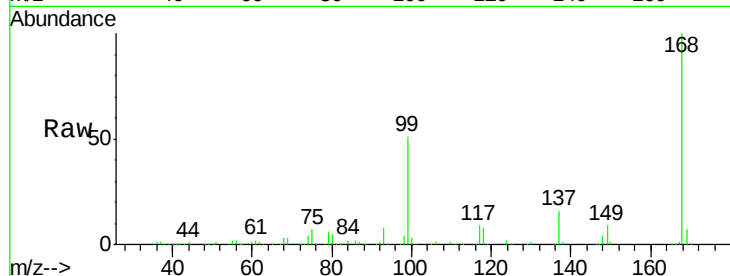
VX0604WBL01

Tot Ion:168 Resp: 295424

Ion Ratio Lower Upper

168 100

99 50.7 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

120000

100000

80000

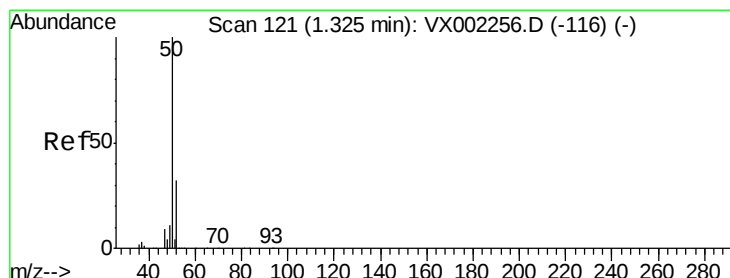
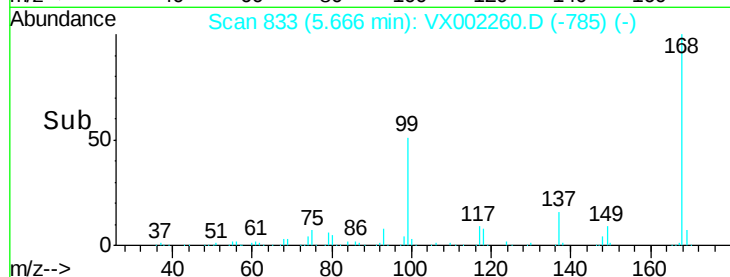
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002260.D

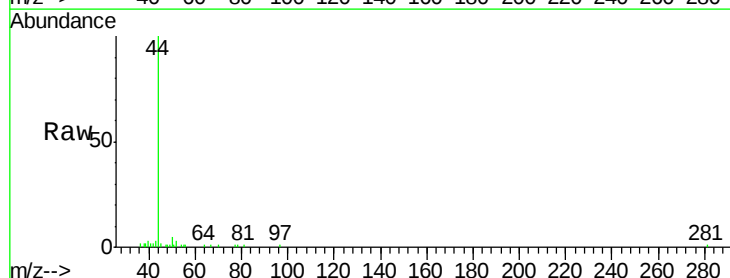
Acq: 04 Jun 2018 15:14

Tgt Ion: 50 Resp: 857

Ion Ratio Lower Upper

50 100

52 59.0 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

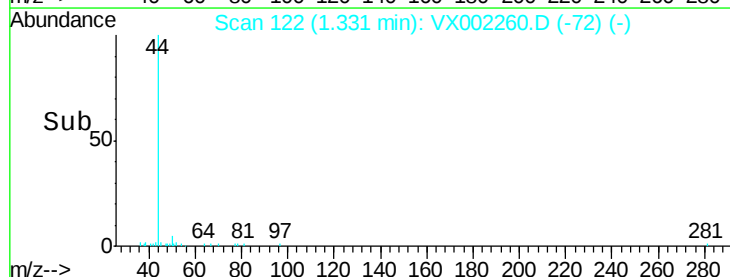
300

200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX002260.D

Acq: 04 Jun 2018 15:14

Instrument :

MSVOA_X

ClientSampled :

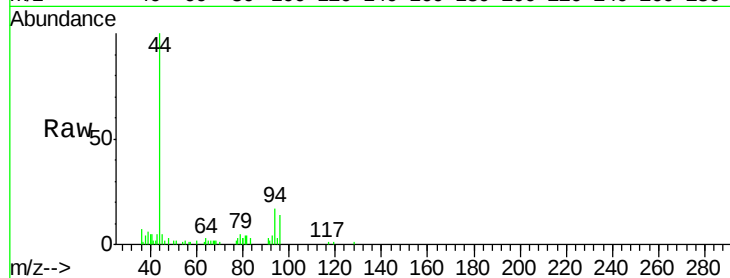
VX0604WBL01

Tot Ion: 94 Resp: 1578

Ion Ratio Lower Upper

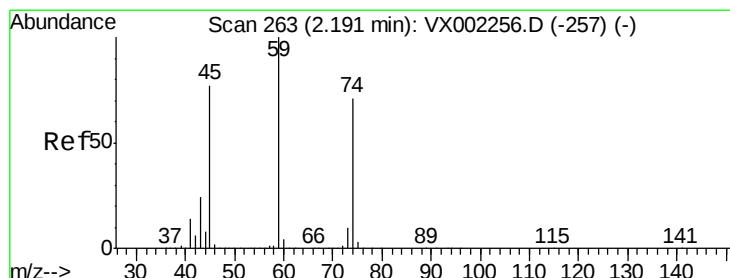
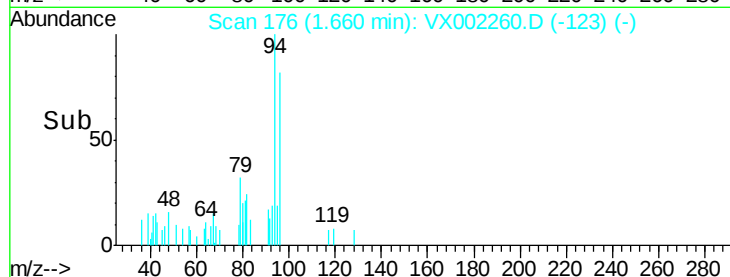
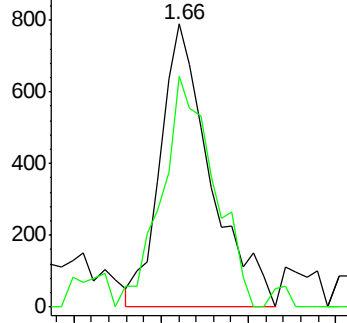
94 100

96 75.2 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.16 min Scan# 258

Delta R.T. -0.03 min

Lab File: VX002260.D

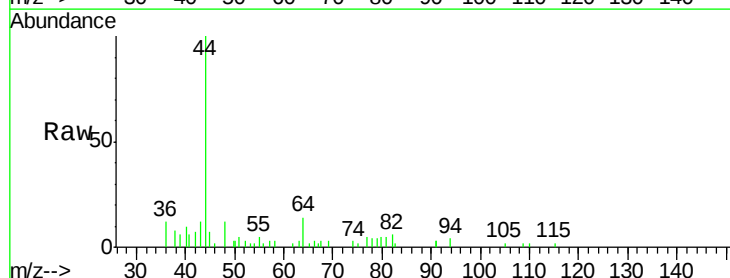
Acq: 04 Jun 2018 15:14

Tgt Ion: 74 Resp: 72

Ion Ratio Lower Upper

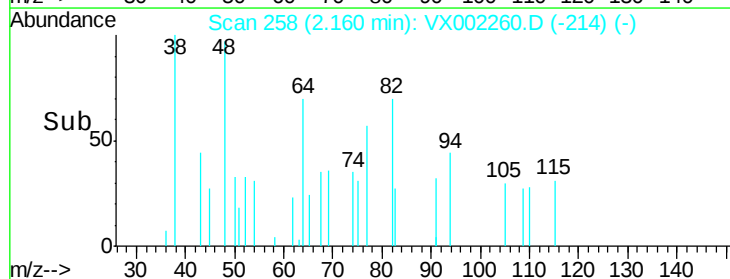
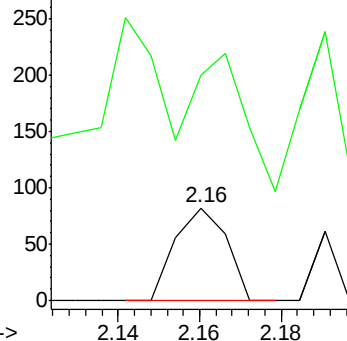
74 100

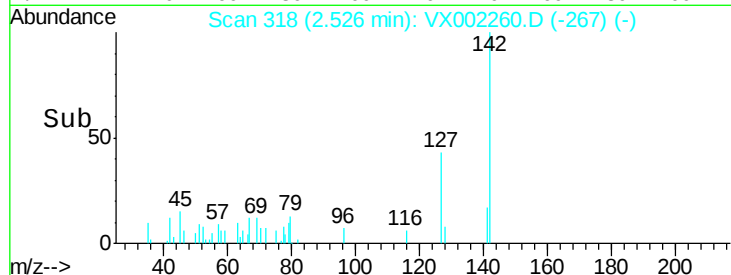
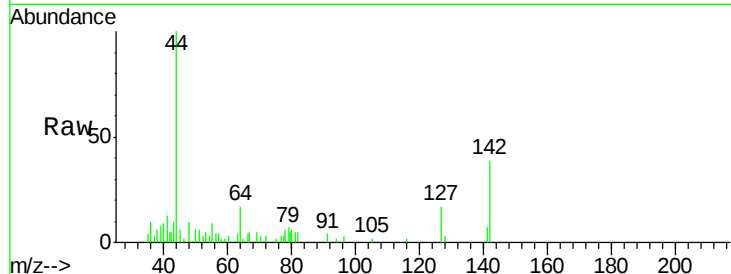
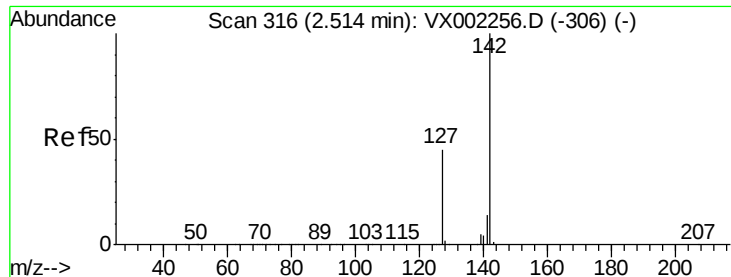
45 143.1 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

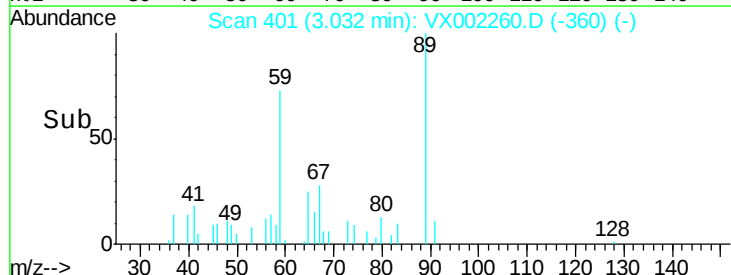
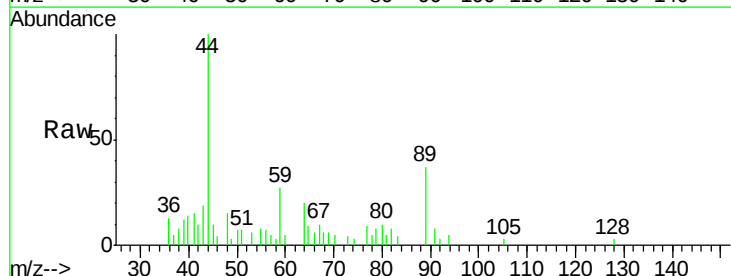
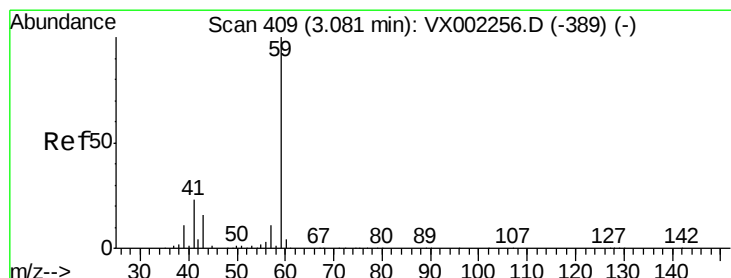
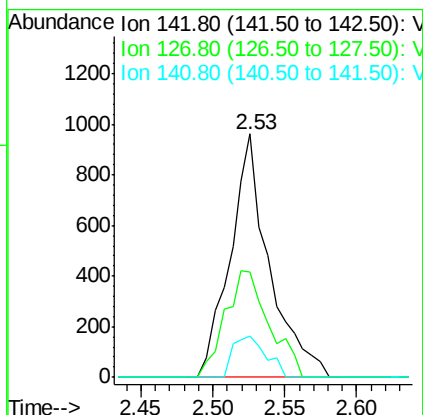




#10
Methyl Iodide
Concen: 0.41 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX002260.D
Acq: 04 Jun 2018 15:14

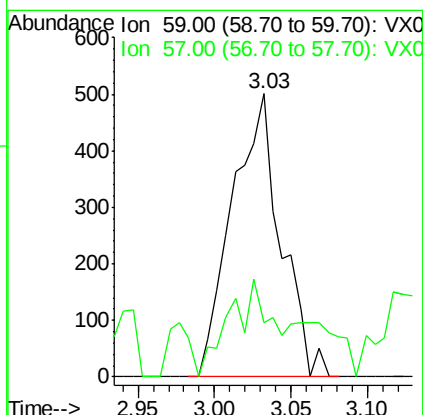
Instrument :
MSVOA_X
ClientSampled :
VX0604WBL01

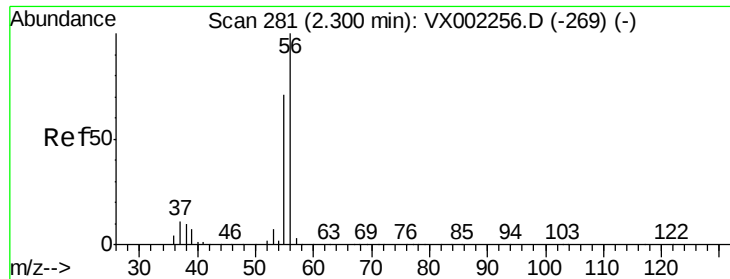
Tot Ion:142 Resp: 1815
Ion Ratio Lower Upper
142 100
127 48.9 36.6 55.0
141 14.3 11.3 16.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 401
Delta R.T. -0.05 min
Lab File: VX002260.D
Acq: 04 Jun 2018 15:14

Tgt Ion: 59 Resp: 1102
Ion Ratio Lower Upper
59 100
57 14.2 8.2 12.2#





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002260.D

Acq: 04 Jun 2018 15:14

Instrument :

MSVOA_X

ClientSampled :

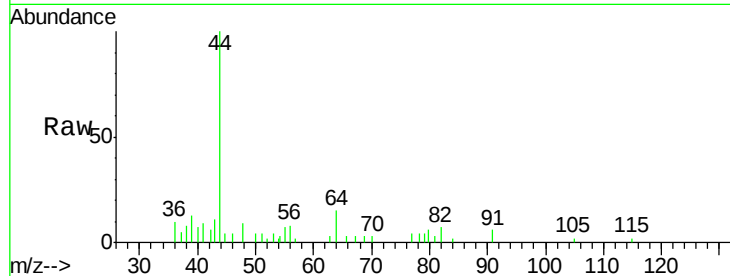
VX0604WBL01

Tot Ion: 56 Resp: 168

Ion Ratio Lower Upper

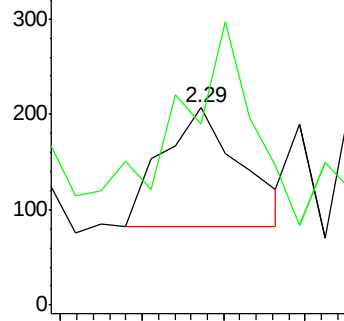
56 100

55 161.3 57.0 85.4#

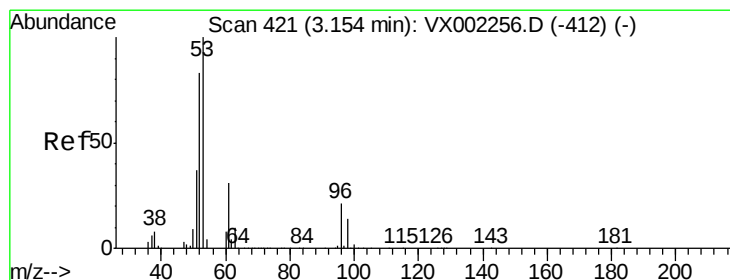
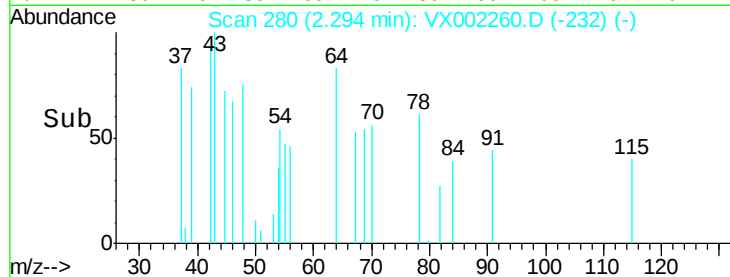


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#15

Acrylonitrile

Concen: Below Cal

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX002260.D

Acq: 04 Jun 2018 15:14

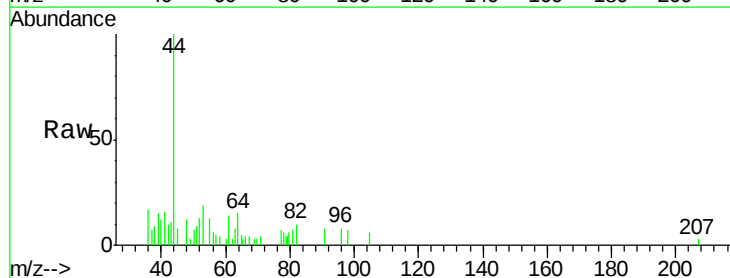
Tgt Ion: 53 Resp: 843

Ion Ratio Lower Upper

53 100

52 94.3 66.7 100.1

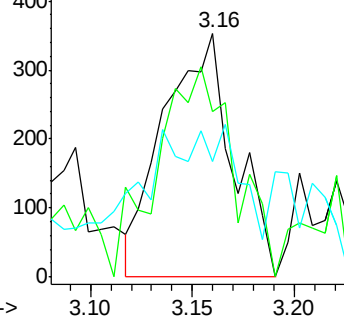
51 0.0 29.9 44.9#



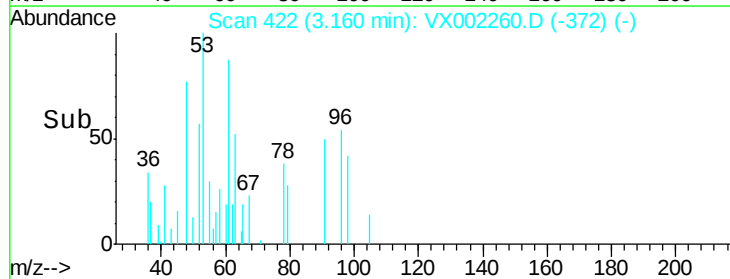
Abundance Ion 53.00 (52.70 to 53.70): VX0

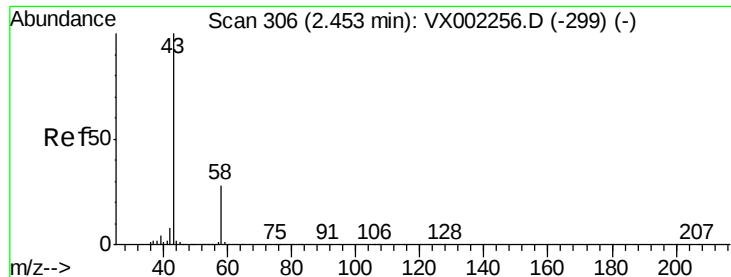
Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002260.D

Acq: 04 Jun 2018 15:14

Instrument :

MSVOA_X

ClientSampled :

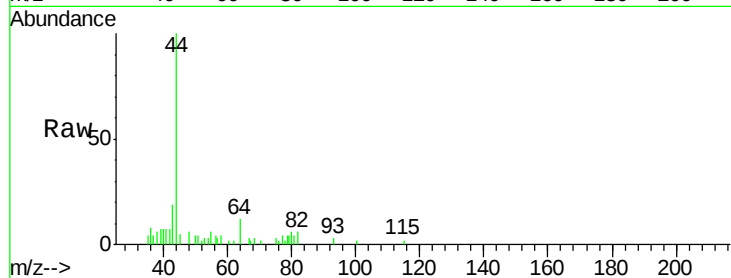
VX0604WBL01

Tot Ion: 43 Resp: 679

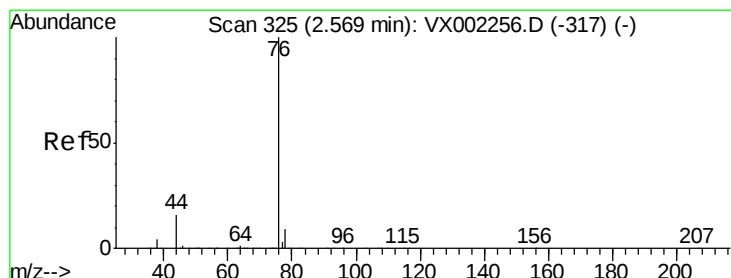
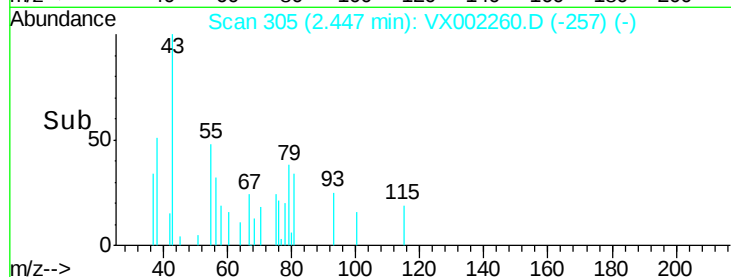
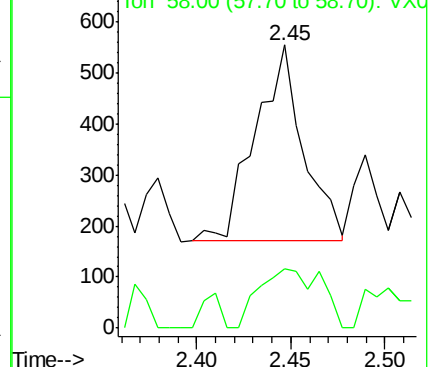
Ion Ratio Lower Upper

43 100

58 29.9 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0



#17

Carbon Disulfide

Concen: 0.30 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002260.D

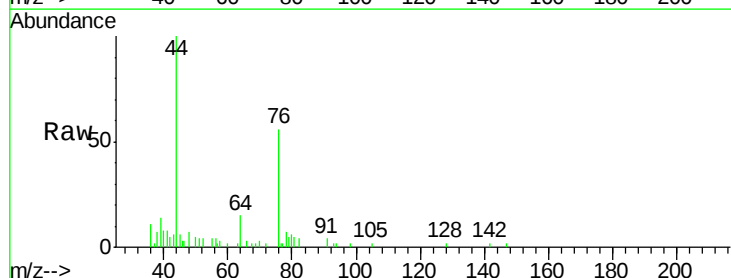
Acq: 04 Jun 2018 15:14

Tgt Ion: 76 Resp: 2469

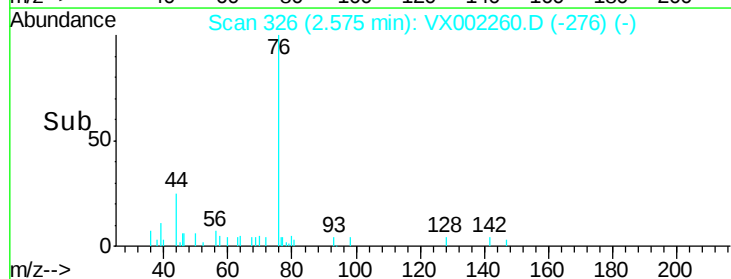
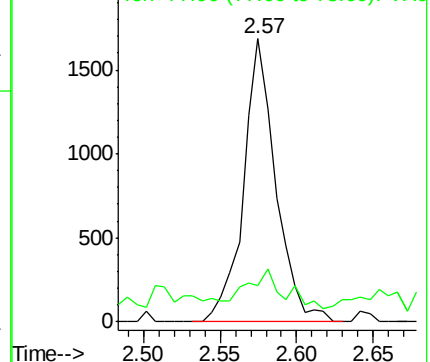
Ion Ratio Lower Upper

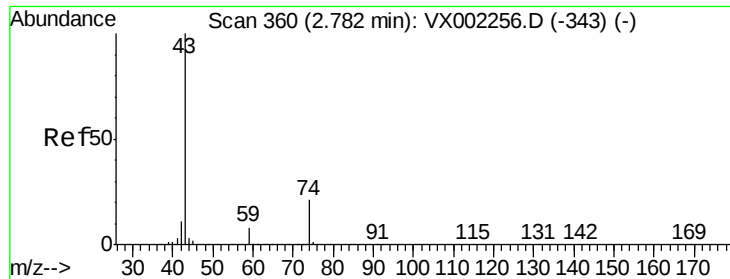
76 100

78 5.0 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

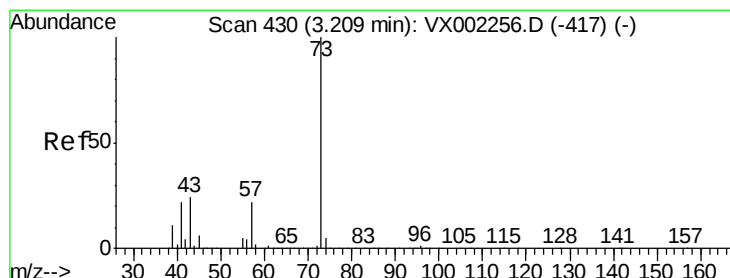
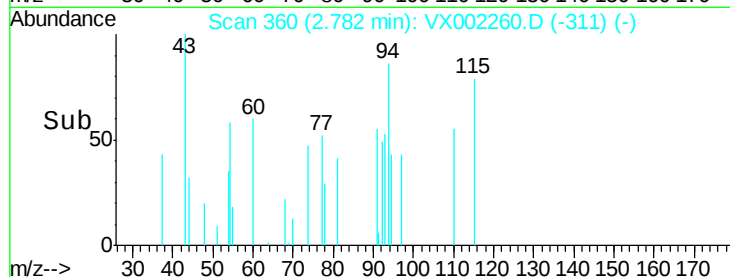
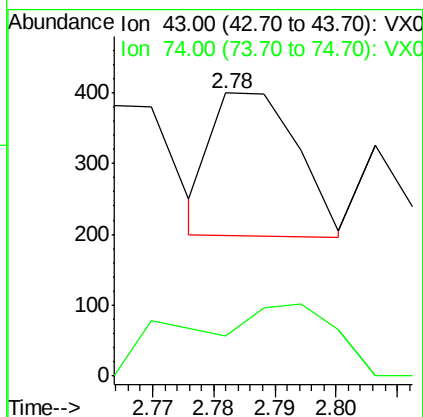
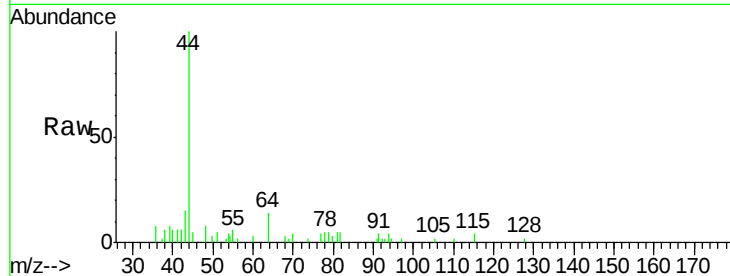




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002260.D
Acq: 04 Jun 2018 15:14

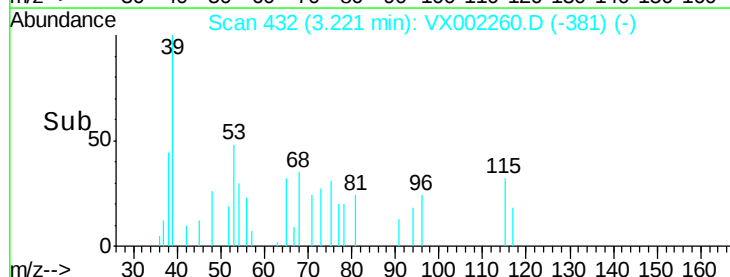
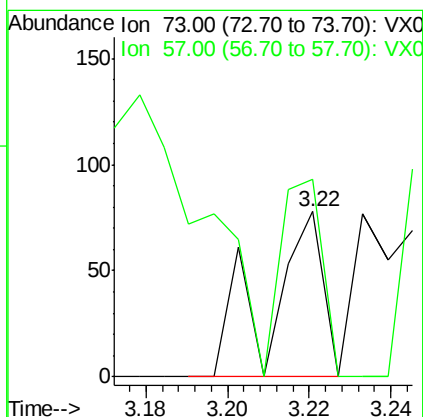
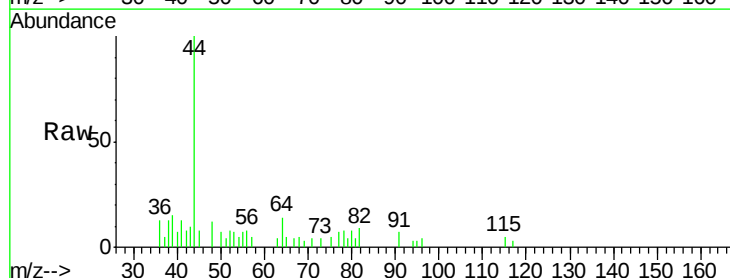
Instrument :
MSVOA_X
ClientSampleId :
VX0604WBL01

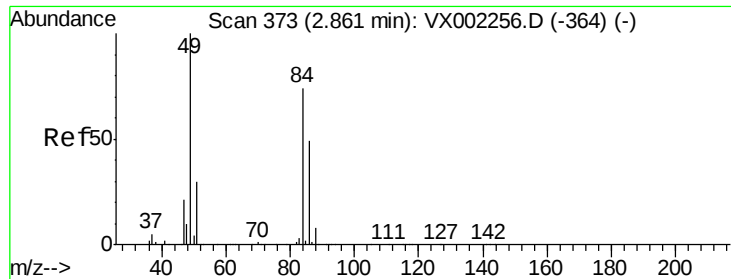
Tot Ion: 43 Resp: 193
Ion Ratio Lower Upper
43 100
74 88.1 16.7 25.1#



#19
Methyl tert-butyl Ether
Concen: Below Cal
RT: 3.22 min Scan# 432
Delta R.T. 0.01 min
Lab File: VX002260.D
Acq: 04 Jun 2018 15:14

Tgt Ion: 73 Resp: 70
Ion Ratio Lower Upper
73 100
57 119.2 17.7 26.5#

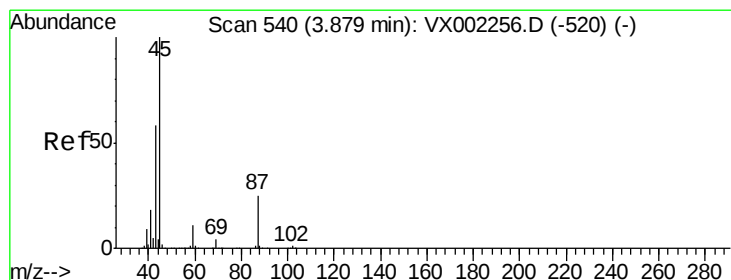
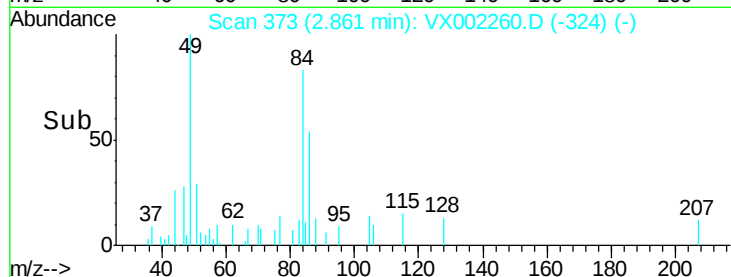
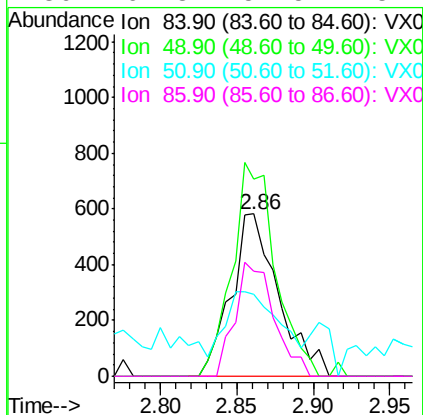
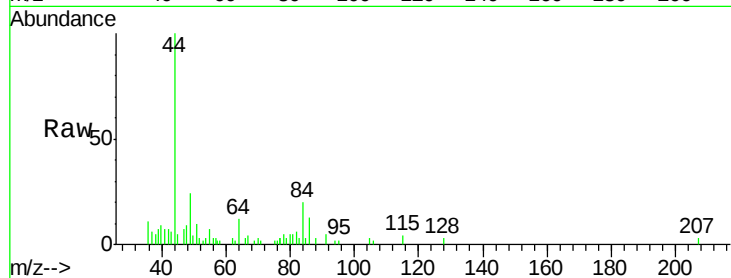




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002260.D
Acq: 04 Jun 2018 15:14

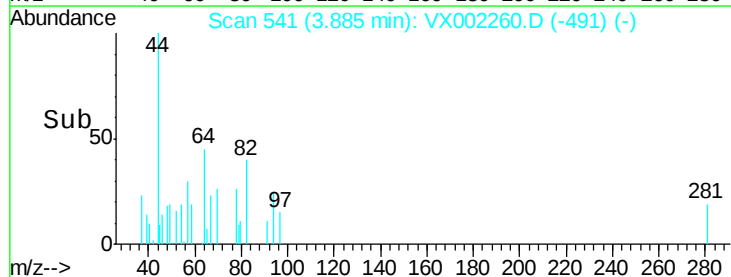
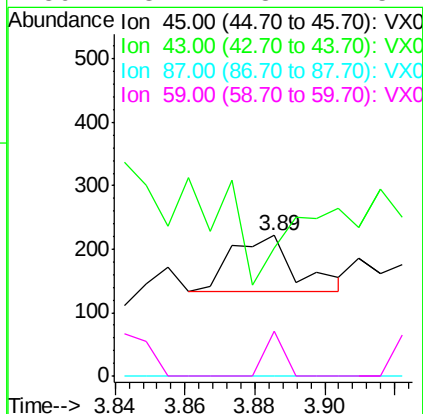
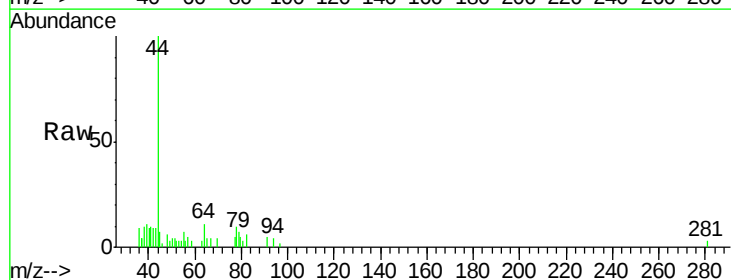
Instrument :
MSVOA_X
ClientSampleId :
VX0604WBL01

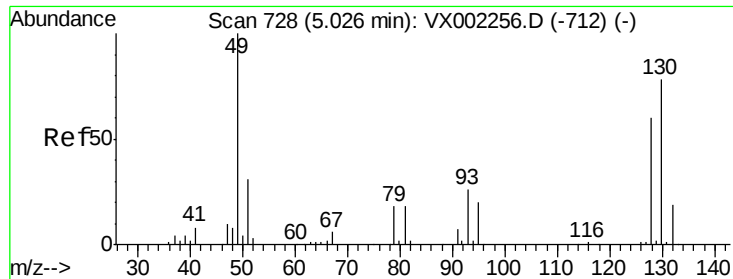
Tot Ion: 84 Resp: 1256
Ion Ratio Lower Upper
84 100
49 120.9 107.8 161.6
51 50.4 32.8 49.2#
86 64.8 52.5 78.7



#22
Diisopropyl ether
Concen: Below Cal
RT: 3.89 min Scan# 541
Delta R.T. 0.01 min
Lab File: VX002260.D
Acq: 04 Jun 2018 15:14

Tgt Ion: 45 Resp: 113
Ion Ratio Lower Upper
45 100
43 0.0 46.8 70.2#
87 0.0 20.2 30.4#
59 78.7 8.7 13.1#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX002260.D

Acq: 04 Jun 2018 15:14

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBL01

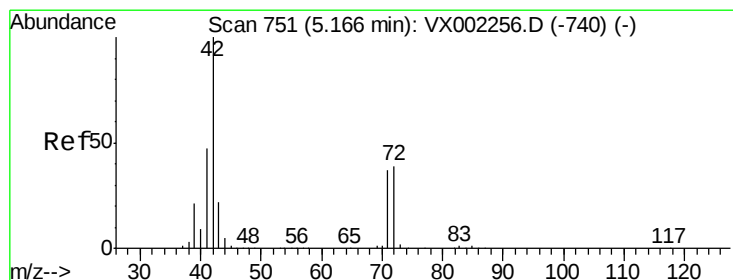
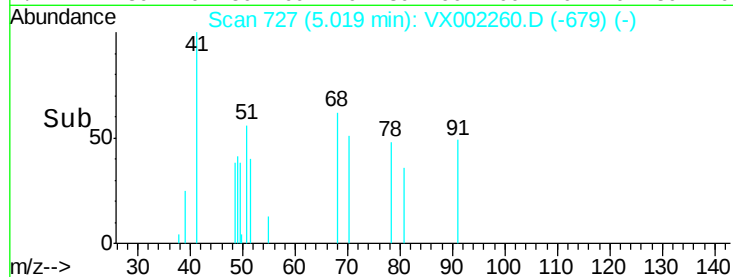
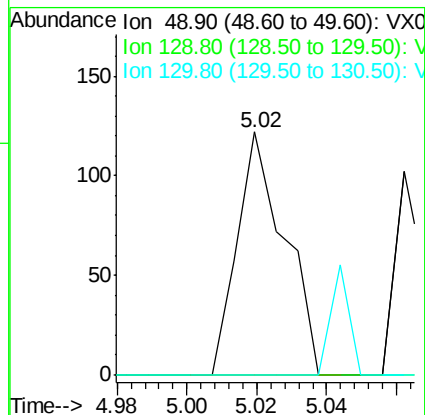
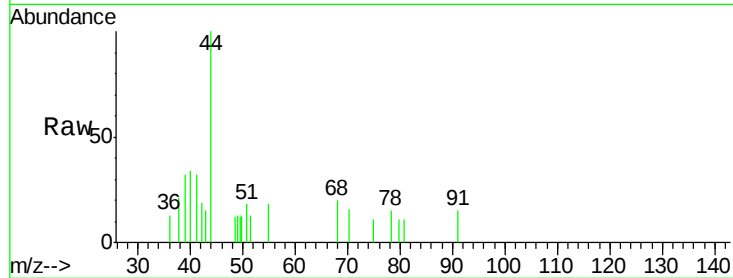
Tot Ion: 49 Resp: 115

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

130 0.0 61.2 91.8#



#29

Tetrahydrofuran

Concen: 0.71 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.00 min

Lab File: VX002260.D

Acq: 04 Jun 2018 15:14

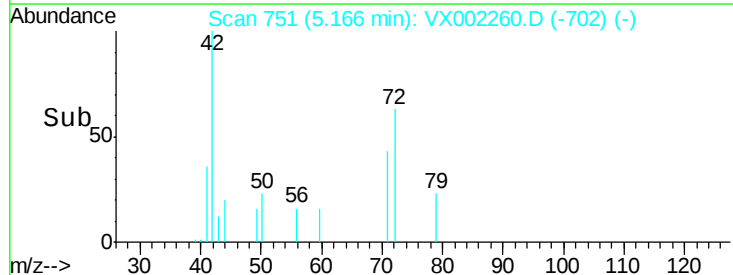
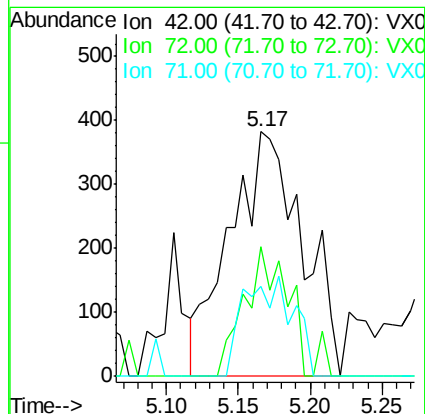
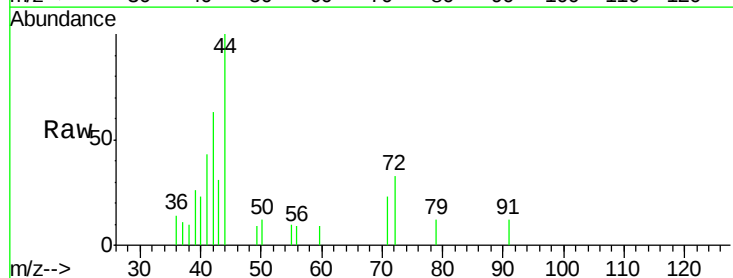
Tgt Ion: 42 Resp: 1330

Ion Ratio Lower Upper

42 100

72 31.1 32.0 48.0#

71 27.9 30.1 45.1#

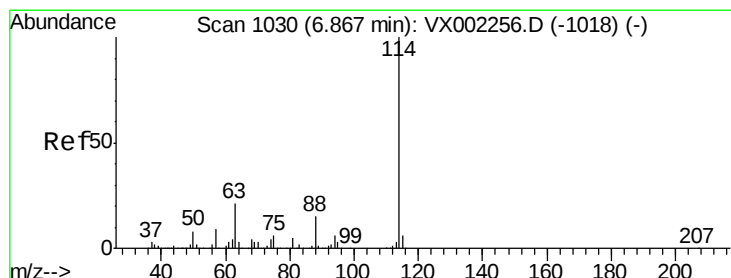
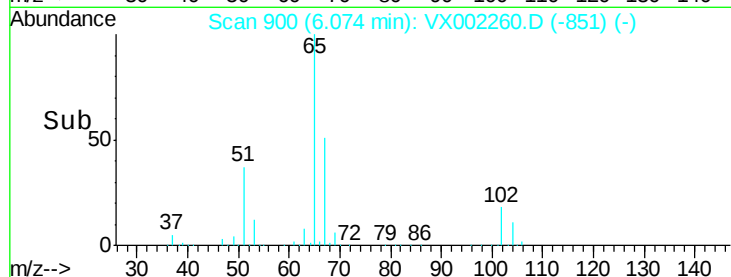
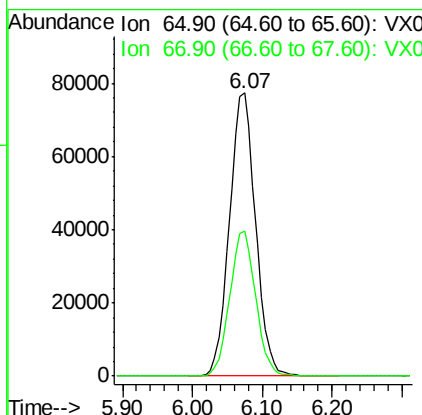
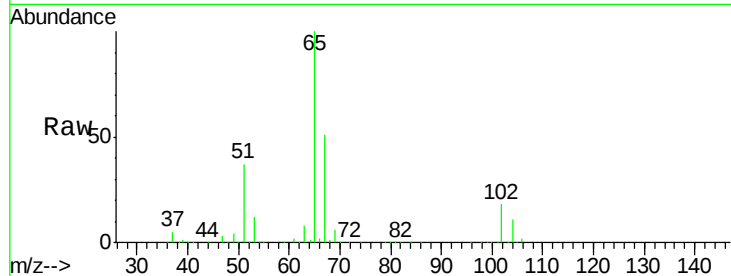




#33
 1,2-Dichloroethane-d4
 Concen: 47.43 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002260.D
 Acq: 04 Jun 2018 15:14

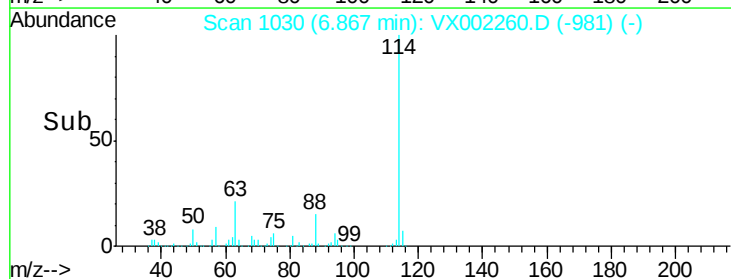
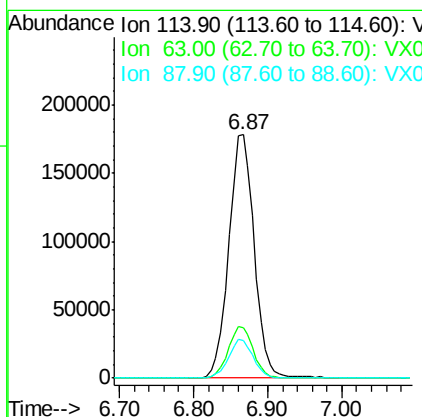
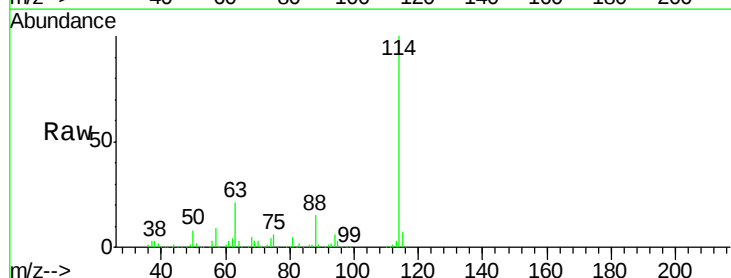
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBL01

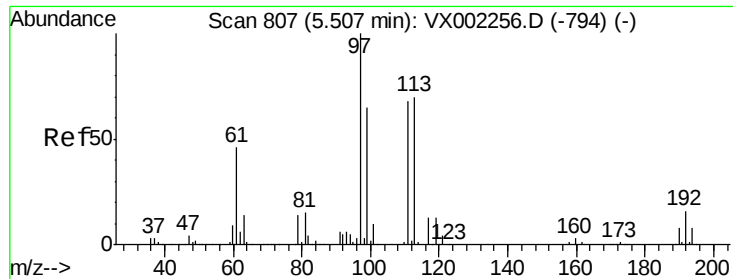
Tot Ion: 65 Resp: 201125
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002260.D
 Acq: 04 Jun 2018 15:14

Tgt Ion: 114 Resp: 427024
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.4
 88 15.5 0.0 30.0

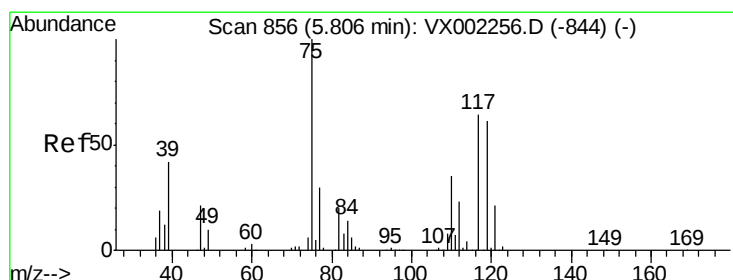
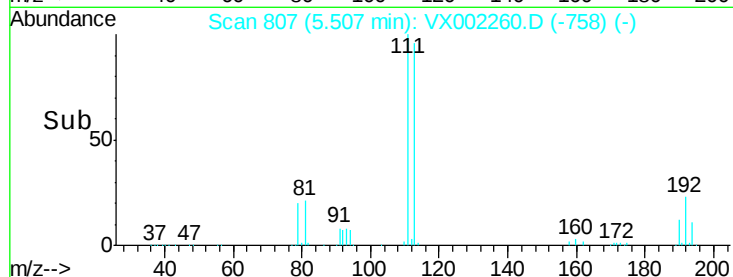
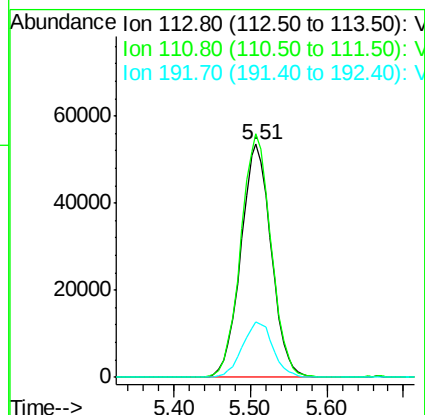
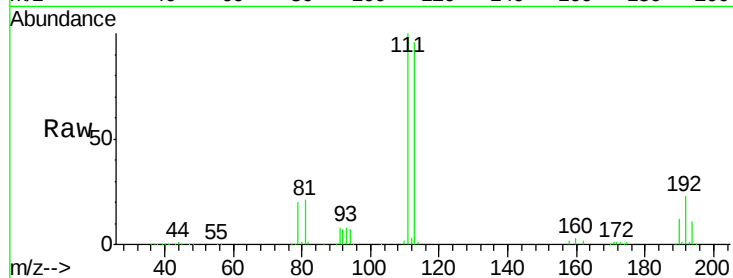




#35
 Dibromofluoromethane
 Concen: 44.05 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002260.D
 Acq: 04 Jun 2018 15:14

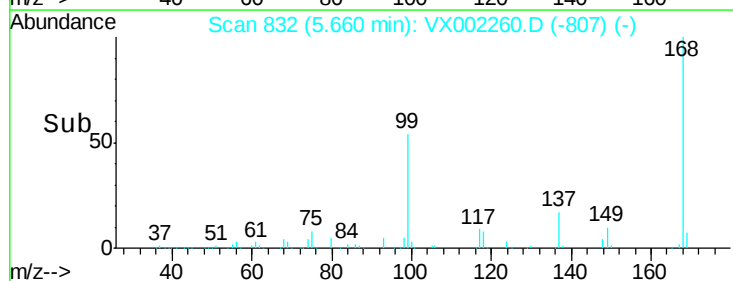
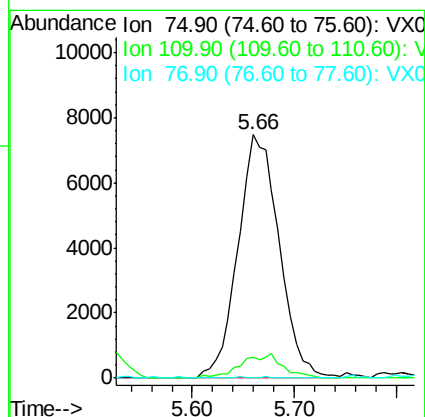
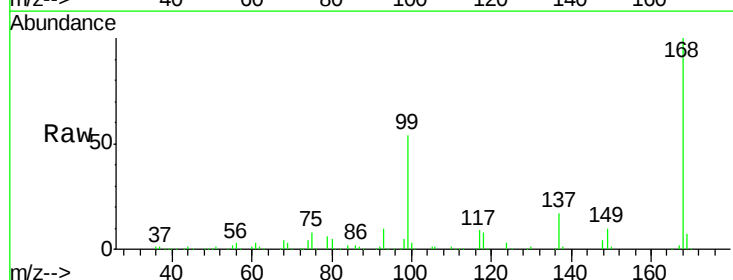
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBL01

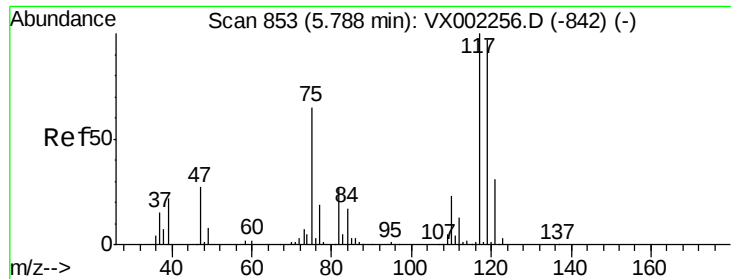
Tot Ion:113 Resp: 147915
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.4 122.0
 192 23.8 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.66 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.15 min
 Lab File: VX002260.D
 Acq: 04 Jun 2018 15:14

Tgt Ion: 75 Resp: 20928
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.1 54.4#
 77 0.1 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.84 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002260.D

Acq: 04 Jun 2018 15:14

Instrument :

MSVOA_X

ClientSampled :

VX0604WBL01

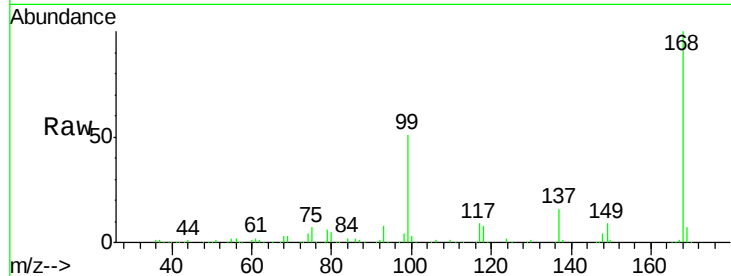
Tot Ion:117 Resp: 27447

Ion Ratio Lower Upper

117 100

119 4.5 77.4 116.0#

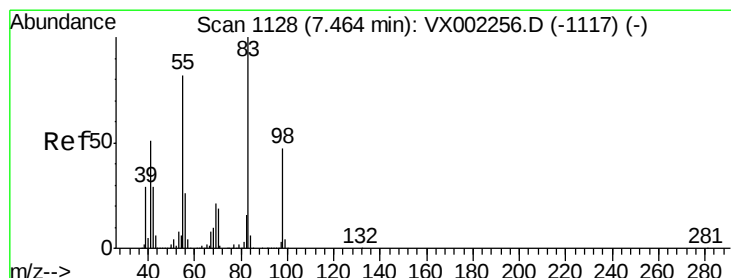
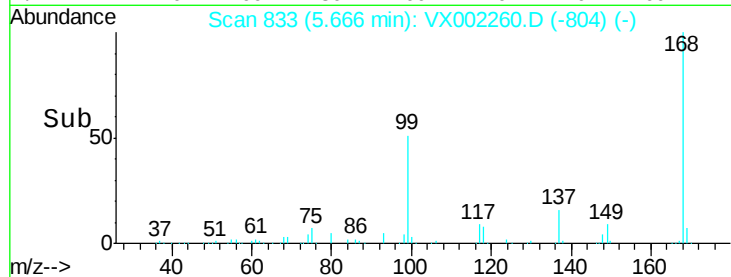
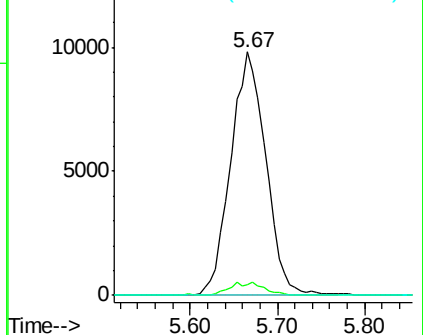
121 0.0 24.4 36.6#



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: 0.27 ug/l

RT: 7.45 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VX002260.D

Acq: 04 Jun 2018 15:14

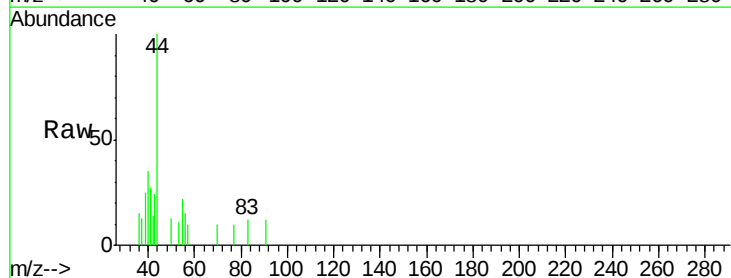
Tgt Ion: 83 Resp: 22

Ion Ratio Lower Upper

83 100

55 1.7 65.4 98.0#

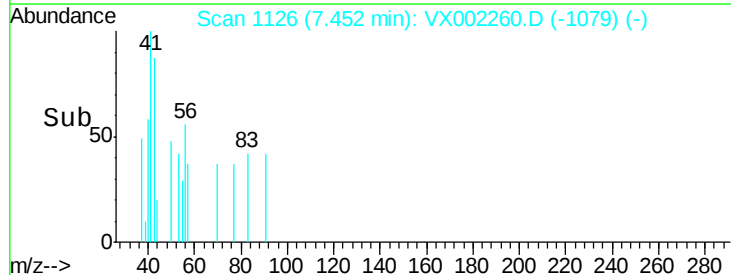
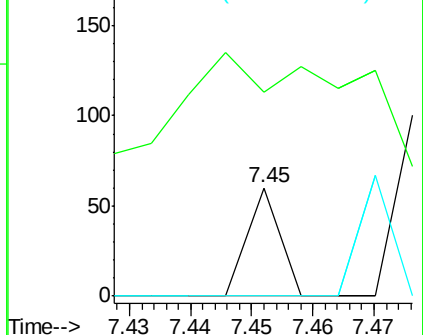
98 0.0 37.4 56.0#

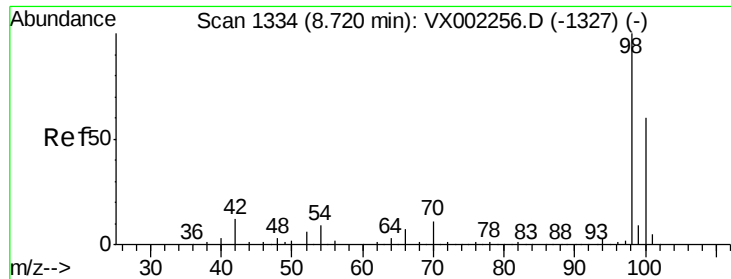


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 47.37 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002260.D

Acq: 04 Jun 2018 15:14

Instrument :

MSVOA_X

ClientSampleId :

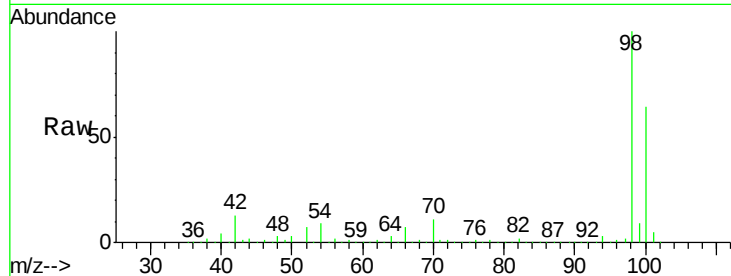
VX0604WBL01

Tot Ion: 98 Resp: 609736

Ion Ratio Lower Upper

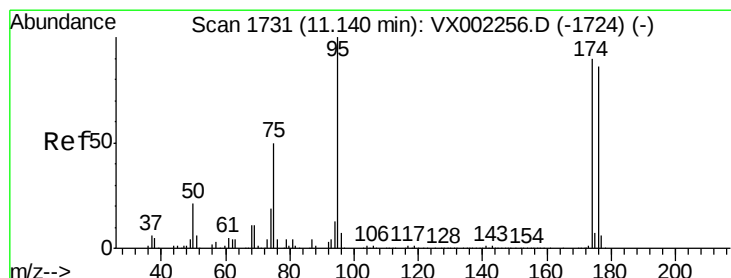
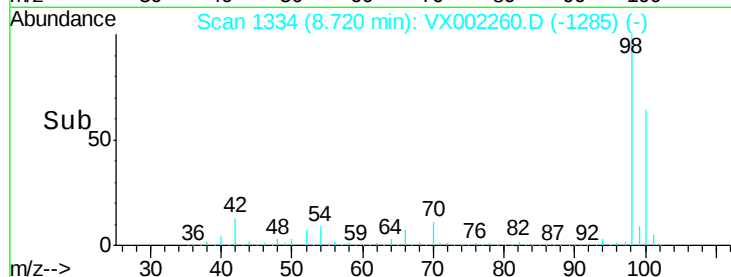
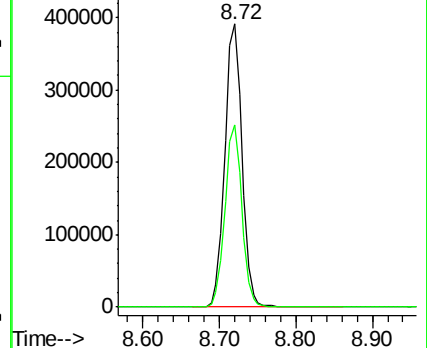
98 100

100 63.2 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: 43.60 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002260.D

Acq: 04 Jun 2018 15:14

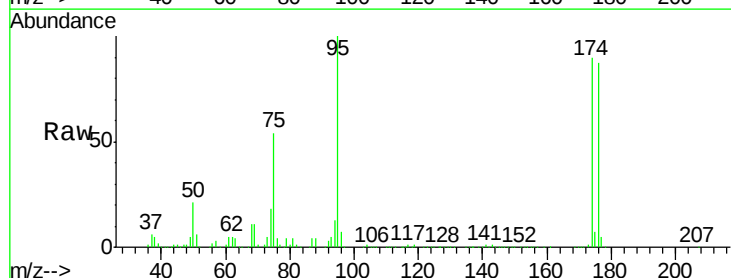
Tgt Ion: 95 Resp: 216395

Ion Ratio Lower Upper

95 100

174 93.8 0.0 187.4

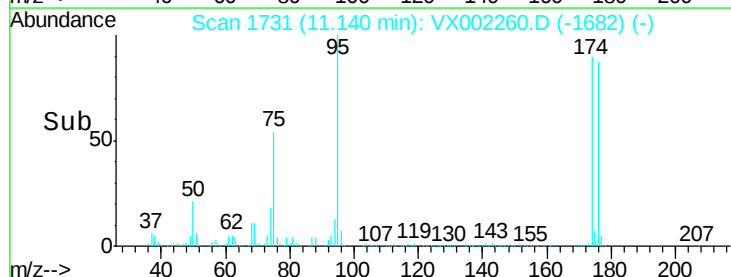
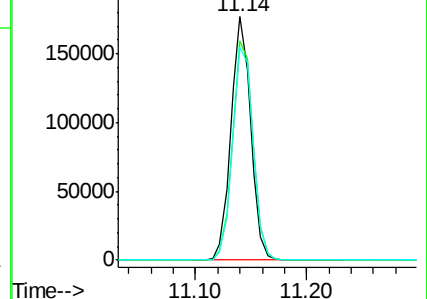
176 91.5 0.0 181.0

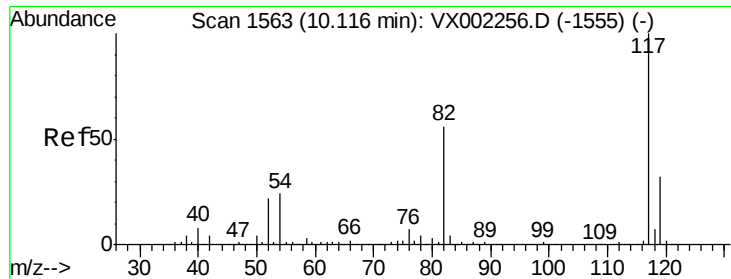


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

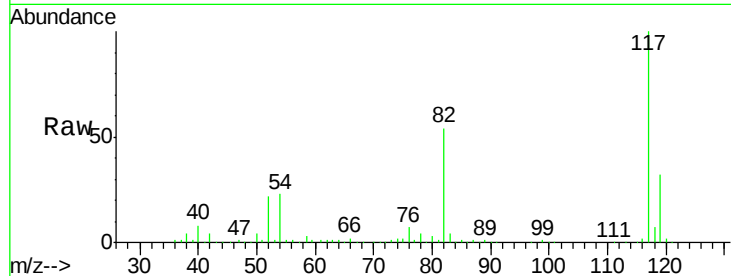




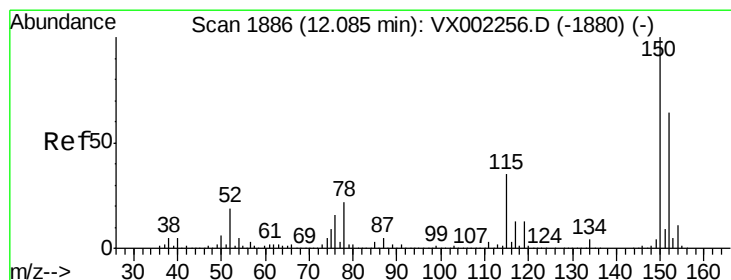
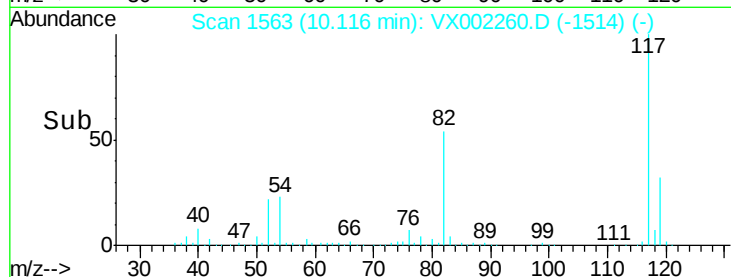
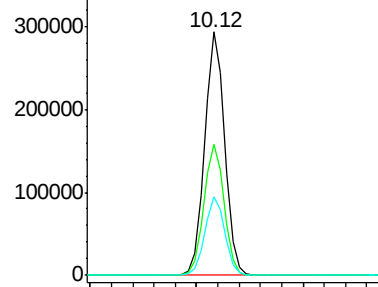
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002260.D
Acq: 04 Jun 2018 15:14

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBL01

Tot Ion:117 Resp: 388029
Ion Ratio Lower Upper
117 100
82 53.9 45.0 67.4
119 32.2 25.8 38.6

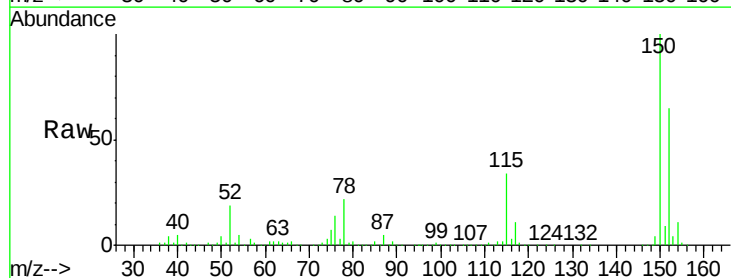


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

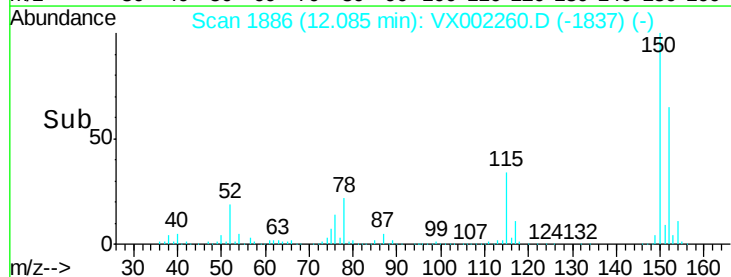
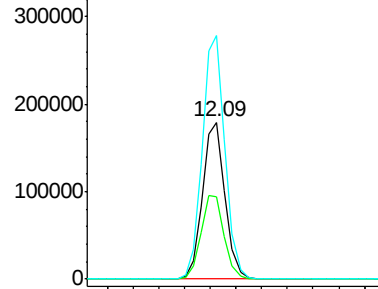


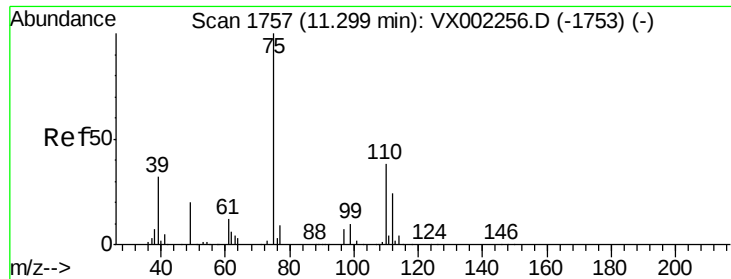
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002260.D
Acq: 04 Jun 2018 15:14

Tgt Ion:152 Resp: 219204
Ion Ratio Lower Upper
152 100
115 54.9 40.1 120.2
150 156.4 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: 24.06 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002260.D

Acq: 04 Jun 2018 15:14

Instrument :

MSVOA_X

ClientSampled :

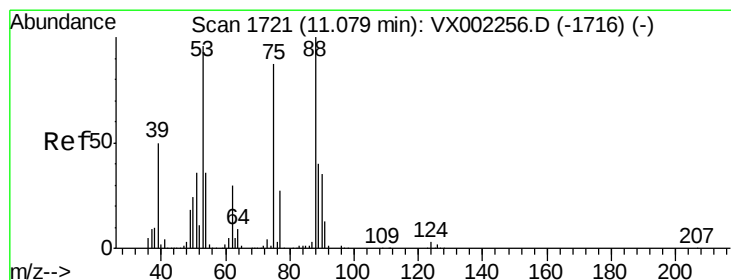
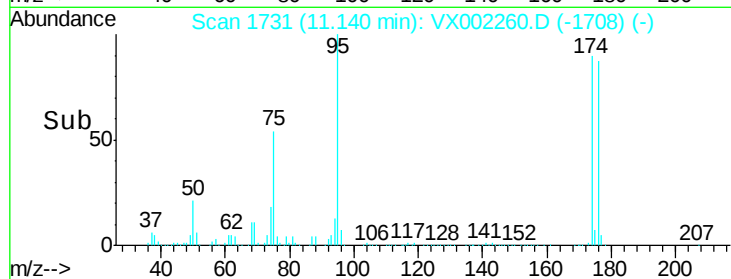
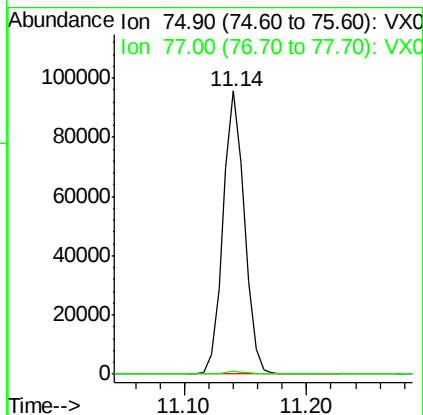
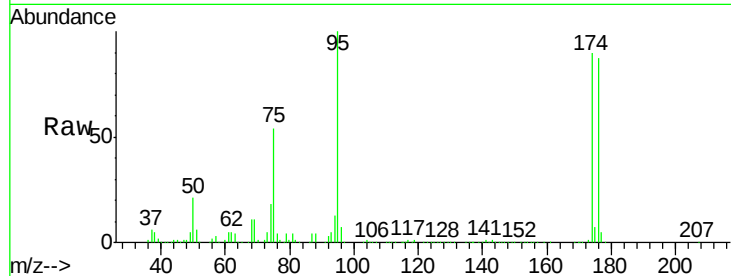
VX0604WBL01

Tot Ion: 75 Resp: 115730

Ion Ratio Lower Upper

75 100

77 1.1 22.8 68.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 84.34 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002260.D

Acq: 04 Jun 2018 15:14

Tgt Ion: 75 Resp: 115730

Ion Ratio Lower Upper

75 100

53 0.0 86.8 130.2#

89 0.0 38.2 57.2#

