

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX060218\
 Data File : VX002236.D
 Acq On : 02 Jun 2018 13:32
 Operator : JC/MD
 Sample : VX0603WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0602WBL01

Quant Time: Jun 04 05:03:35 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	264583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	386914	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	347344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	192205	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	233793	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
35) Dibromofluoromethane	5.51	113	171306	44.27	ug/l	0.00
Spiked Amount			Recovery	=	88.54%	
50) Toluene-d8	8.72	98	689982	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
62) 4-Bromofluorobenzene	11.14	95	239252	43.65	ug/l	0.00
Spiked Amount			Recovery	=	87.30%	

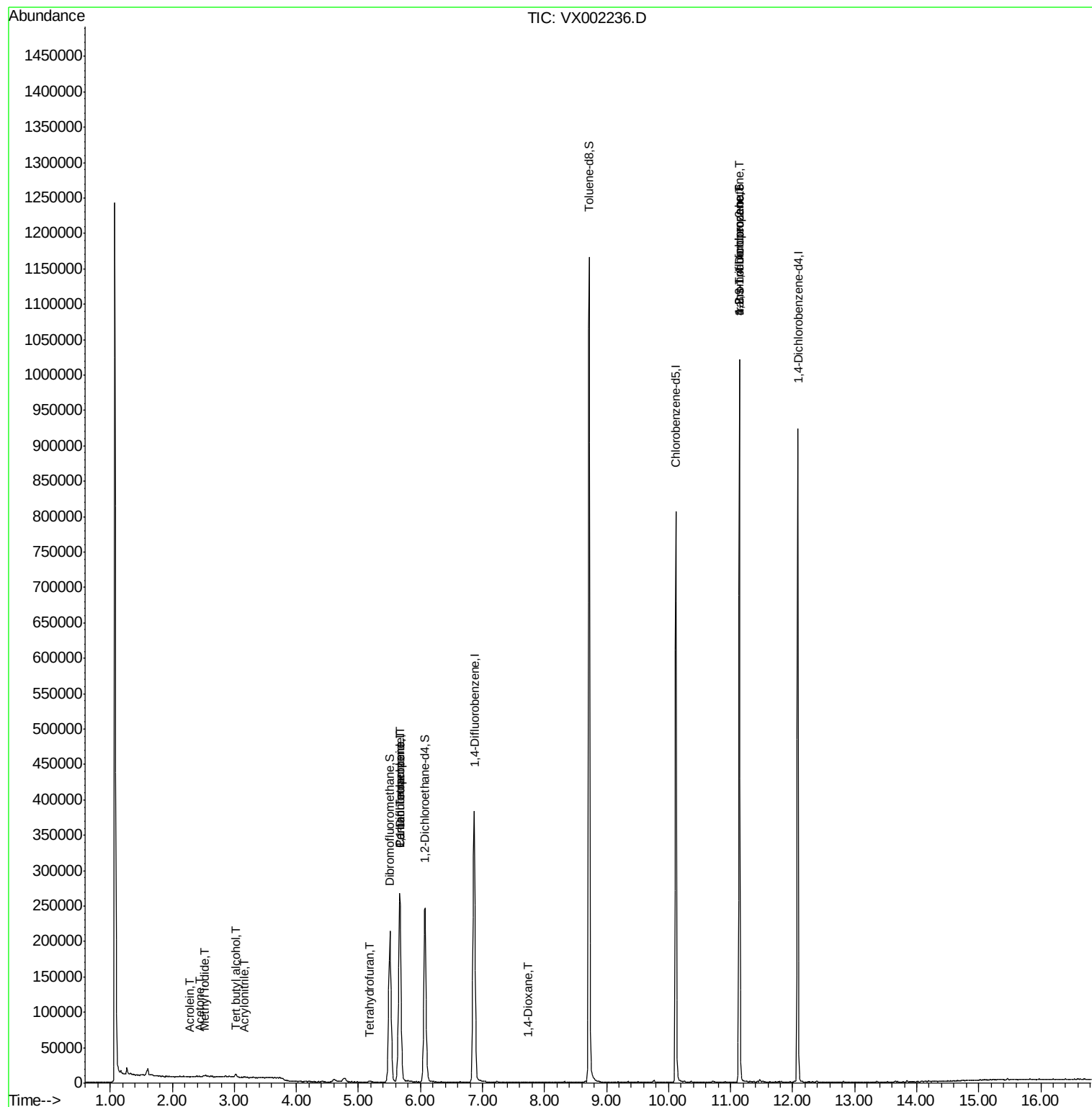
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1465	Below Cal		97
10) Methyl Iodide	2.52	142	2705	0.61 ug/l		89
11) Tert butyl alcohol	3.02	59	2759	2.97 ug/l #		92
13) Acrolein	2.29	56	209	0.52 ug/l #		62
15) Acrylonitrile	3.15	53	481	0.25 ug/l #		10
16) Acetone	2.45	43	1198	0.66 ug/l		92
18) Methyl Acetate	2.78	43	245	Below Cal #		55
20) Methylene Chloride	2.86	84	701	Below Cal #		82
21) trans-1,2-Dichloroethene	3.17	96	350	Below Cal #		64
28) Bromochloromethane	5.01	49	83	Below Cal #		14
29) Tetrahydrofuran	5.17	42	1332	0.61 ug/l #		87
36) 1,1-Dichloropropene	5.67	75	18307	3.40 ug/l #		52
38) Carbon Tetrachloride	5.67	117	24616	3.92 ug/l #		15
41) Methacrylonitrile	5.07	41	61	Below Cal #		29
49) 1,4-Dioxane	7.74	88	22	0.21 ug/l #		21
74) N-amyl acetate	6.46	43	173	Below Cal #		59
75) 1,1,2,2-Tetrachloroethane	11.29	83	23	Below Cal #		72
76) 1,2,3-Trichloropropane	11.14	75	128639	27.86 ug/l #		33
79) 2-Chlorotoluene	11.52	91	501	Below Cal		98
81) trans-1,4-Dichloro-2-buten	11.14	75	128639	66.97 ug/l #		10

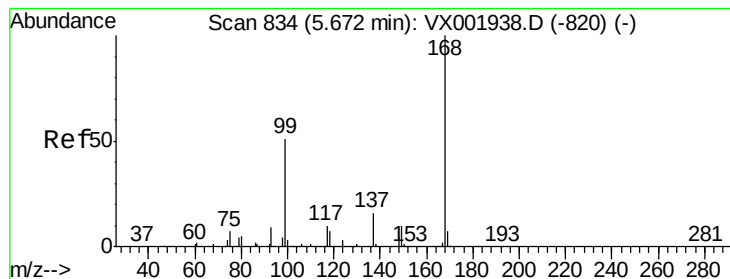
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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VX0602WBL01

Quant Time: Jun 04 05:03:35 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 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: VX002236.D

Acq: 02 Jun 2018 13:32

Instrument :

MSVOA_X

ClientSampleId :

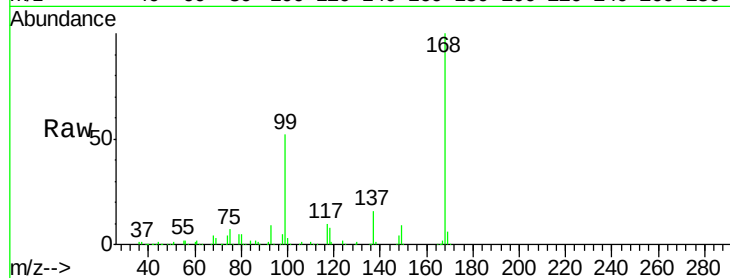
VX0602WBL01

Tot Ion:168 Resp: 264583

Ion Ratio Lower Upper

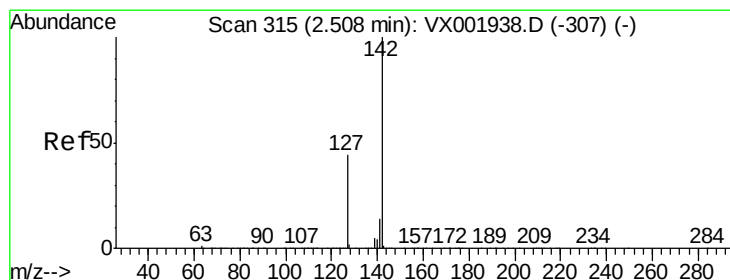
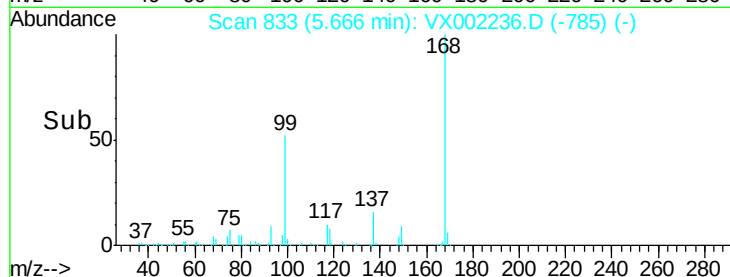
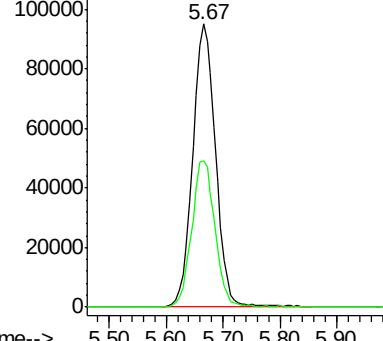
168 100

99 51.7 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 0.61 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002236.D

Acq: 02 Jun 2018 13:32

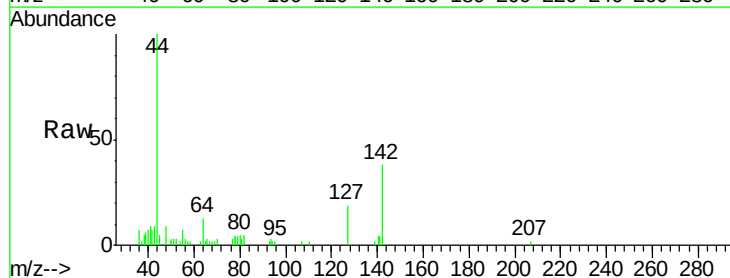
Tgt Ion:142 Resp: 2705

Ion Ratio Lower Upper

142 100

127 52.3 35.5 53.3

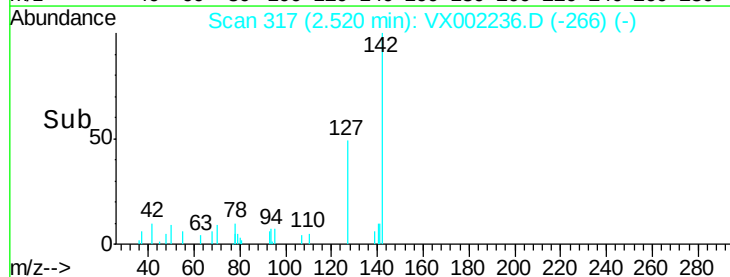
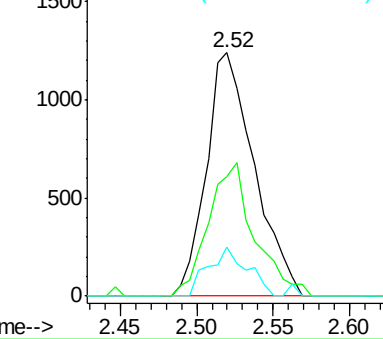
141 16.3 11.3 16.9

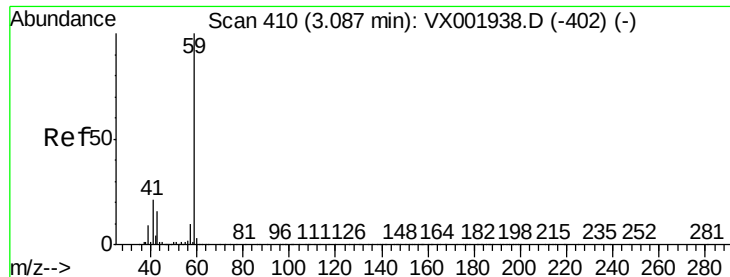


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



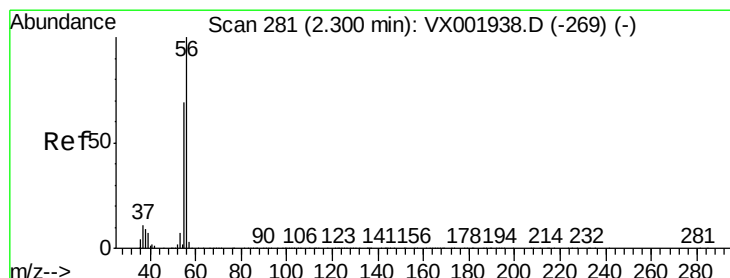
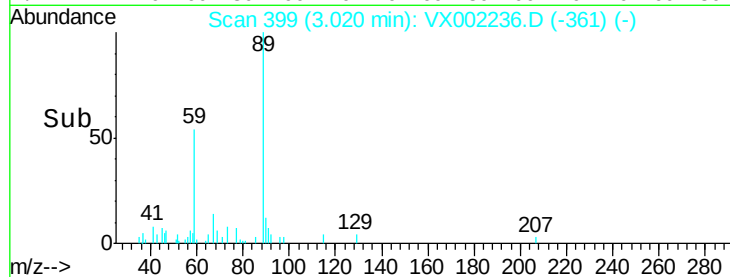
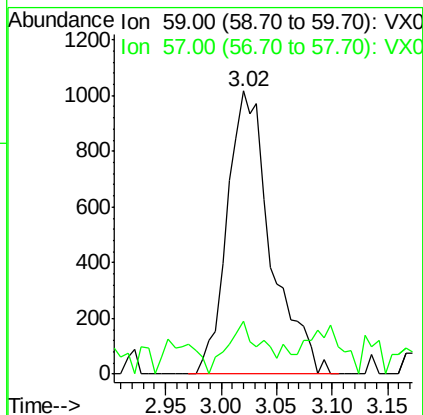
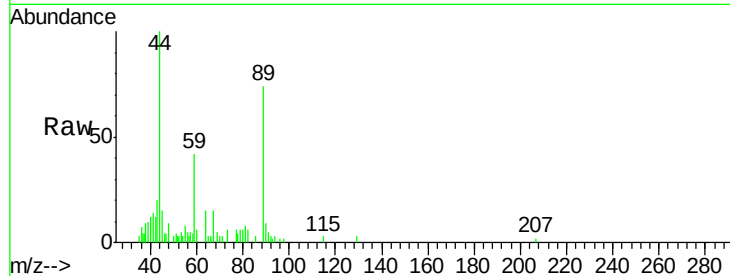


#11

Tert butyl alcohol
 Concen: 2.97 ug/l
 RT: 3.02 min Scan# 399
 Delta R.T. -0.07 min
 Lab File: VX002236.D
 Acq: 02 Jun 2018 13:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0602WBL01

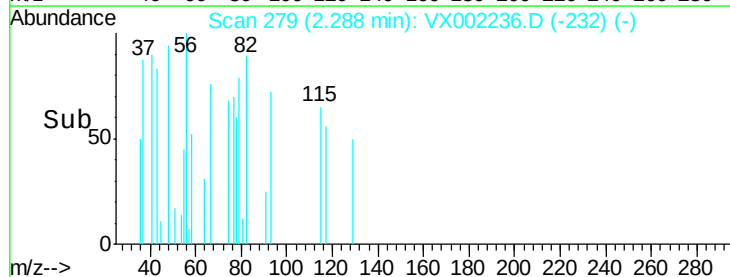
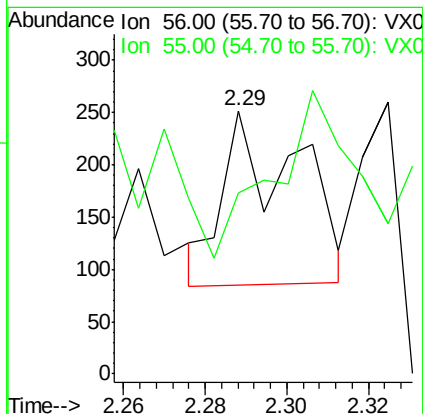
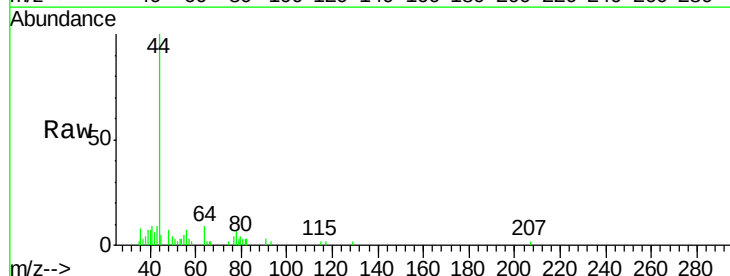
Tot Ion: 59 Resp: 2759
 Ion Ratio Lower Upper
 59 100
 57 14.3 8.9 13.3#

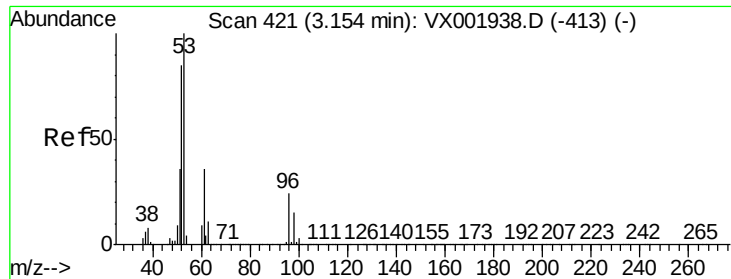


#13

Acrolein
 Concen: 0.52 ug/l
 RT: 2.29 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX002236.D
 Acq: 02 Jun 2018 13:32

Tgt Ion: 56 Resp: 209
 Ion Ratio Lower Upper
 56 100
 55 102.4 56.8 85.2#





#15

Acrylonitrile

Concen: 0.25 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002236.D

Acq: 02 Jun 2018 13:32

Instrument :

MSVOA_X

ClientSampled :

VX0602WBL01

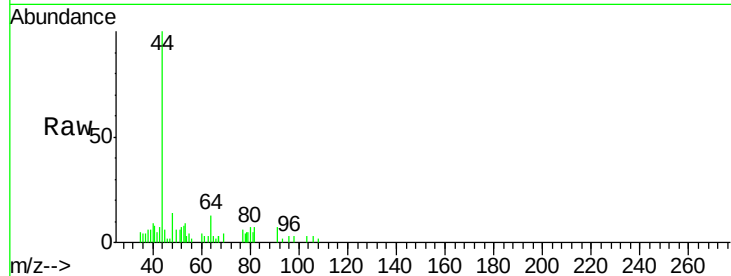
Tot Ion: 53 Resp: 481

Ion Ratio Lower Upper

53 100

52 175.9 66.4 99.6#

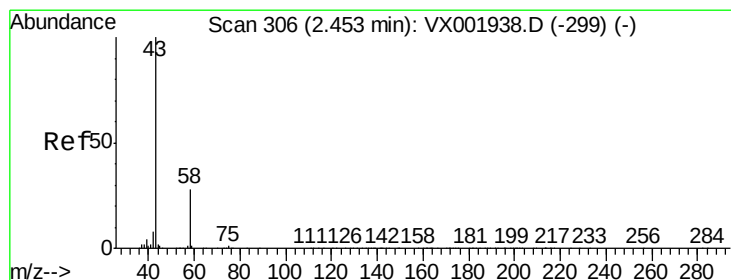
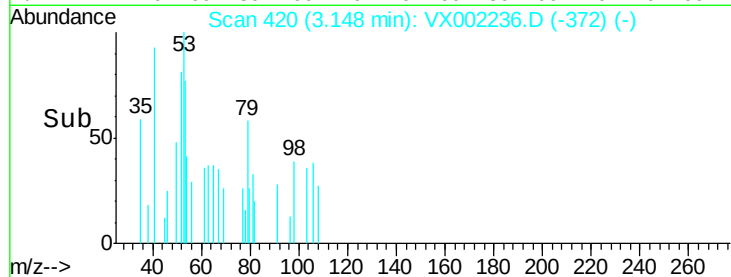
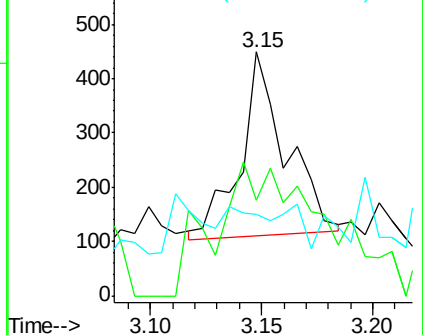
51 0.0 29.3 43.9#



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



#16

Acetone

Concen: 0.66 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002236.D

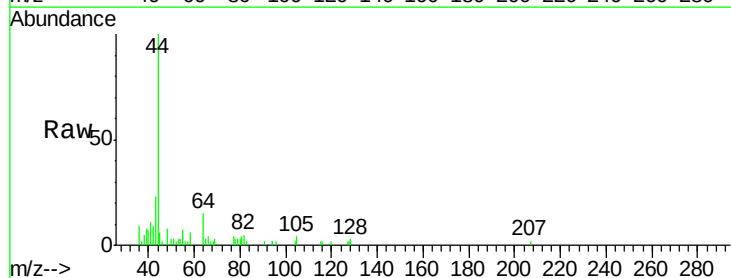
Acq: 02 Jun 2018 13:32

Tgt Ion: 43 Resp: 1198

Ion Ratio Lower Upper

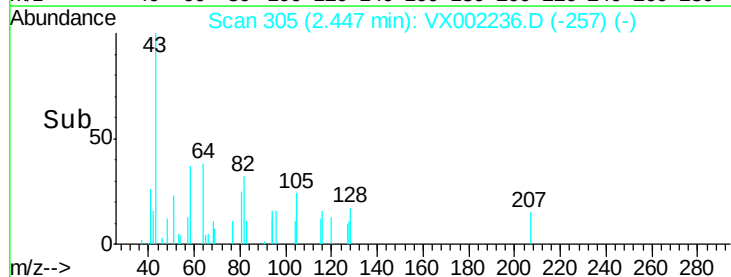
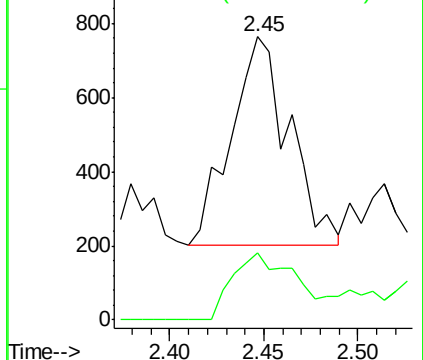
43 100

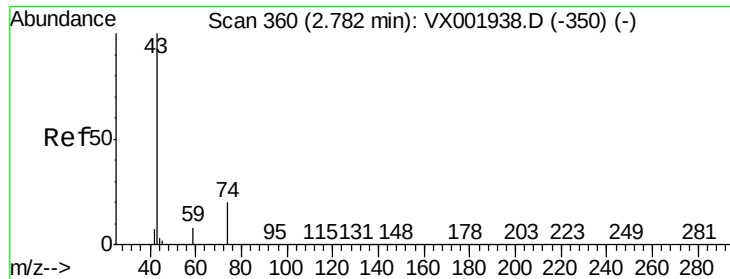
58 32.3 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

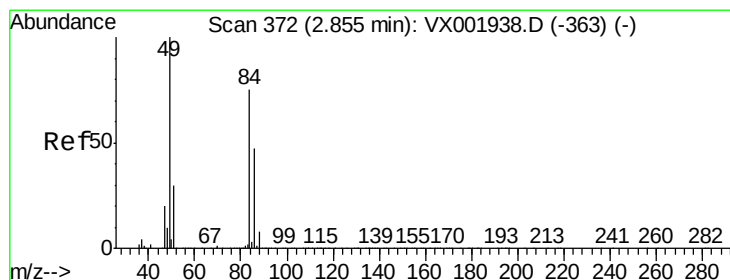
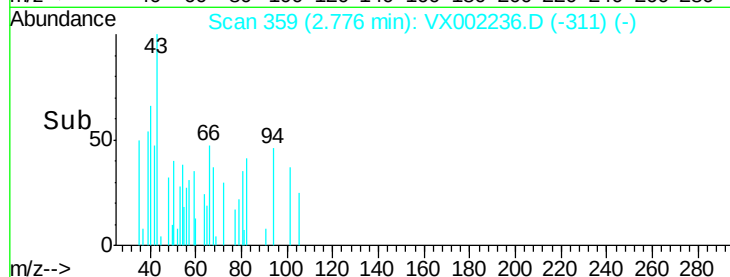
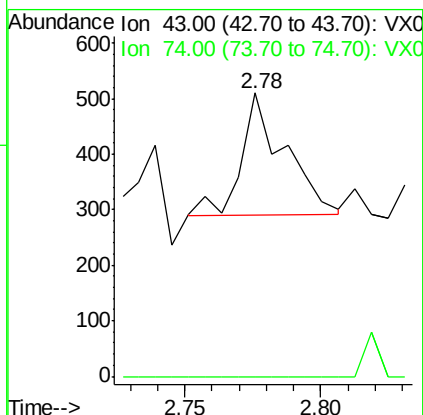
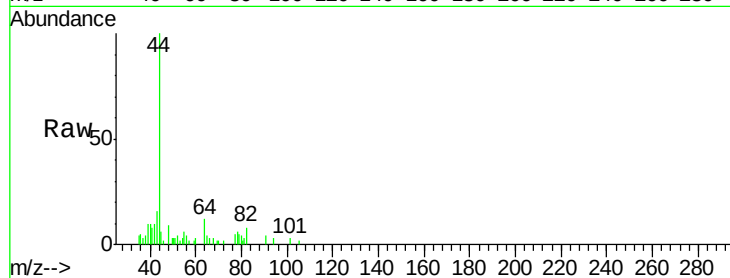




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX002236.D
Acq: 02 Jun 2018 13:32

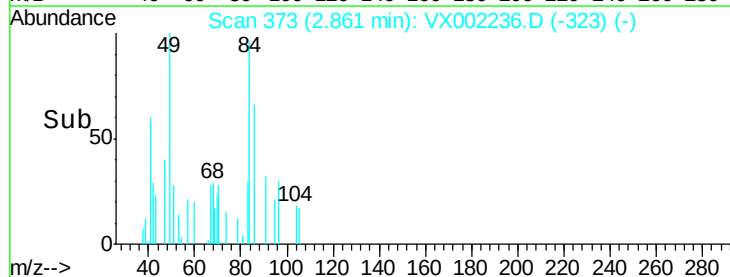
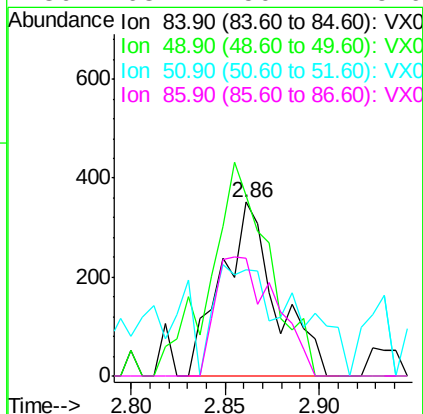
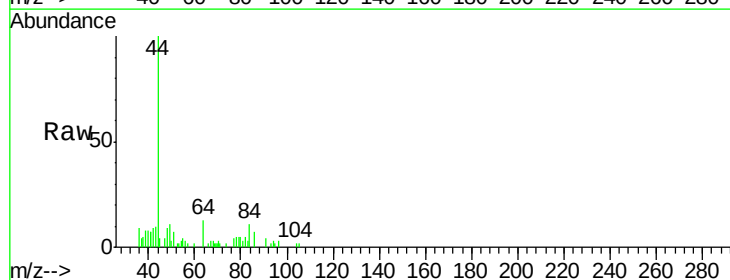
Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

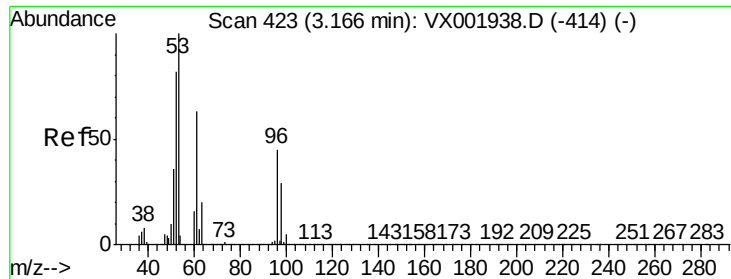
Tot Ion: 43 Resp: 245
Ion Ratio Lower Upper
43 100
74 0.0 16.8 25.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002236.D
Acq: 02 Jun 2018 13:32

Tgt Ion: 84 Resp: 701
Ion Ratio Lower Upper
84 100
49 103.7 107.2 160.8#
51 33.0 32.4 48.6
86 68.1 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002236.D

Acq: 02 Jun 2018 13:32

Instrument :

MSVOA_X

ClientSampleId :

VX0602WBL01

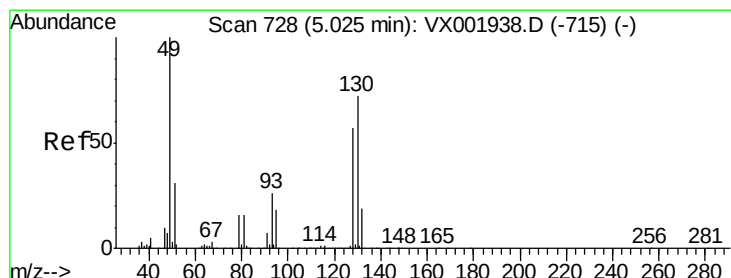
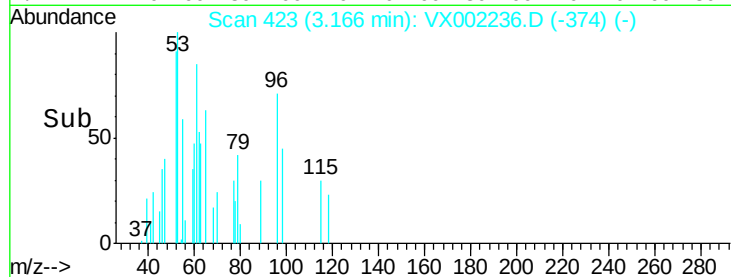
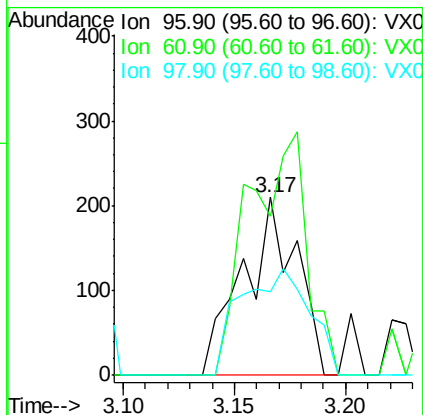
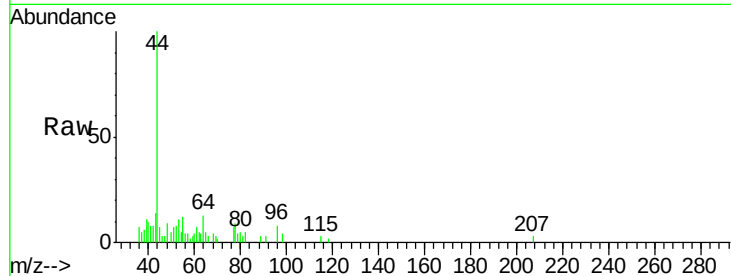
Tot Ion: 96 Resp: 350

Ion Ratio Lower Upper

96 100

61 89.5 113.3 169.9#

98 46.7 51.7 77.5#



#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 726

Delta R.T. -0.01 min

Lab File: VX002236.D

Acq: 02 Jun 2018 13:32

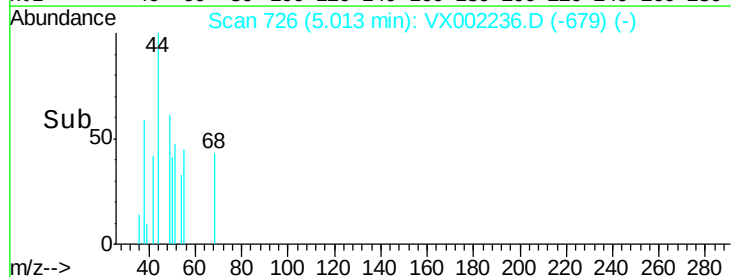
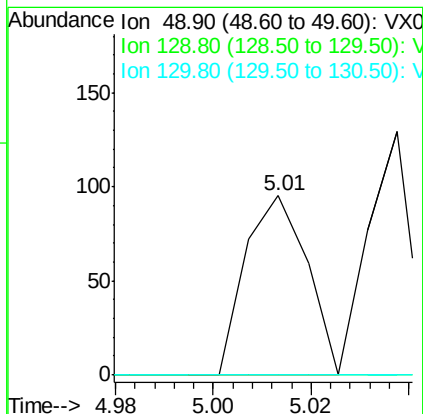
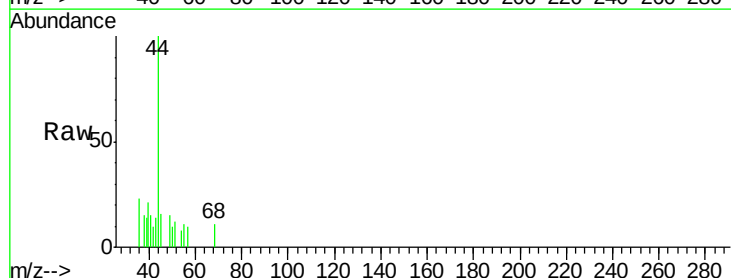
Tgt Ion: 49 Resp: 83

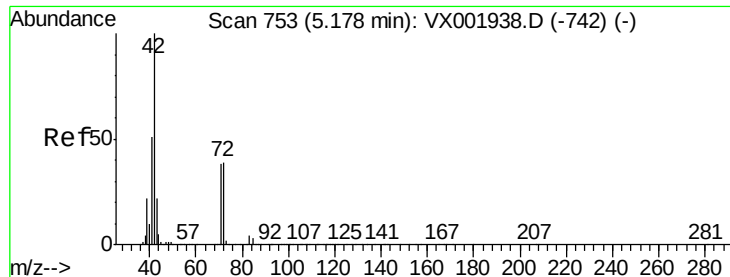
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 59.4 89.2#





#29

Tetrahydrofuran

Concen: 0.61 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX002236.D

Acq: 02 Jun 2018 13:32

Instrument :

MSVOA_X

ClientSampled :

VX0602WBL01

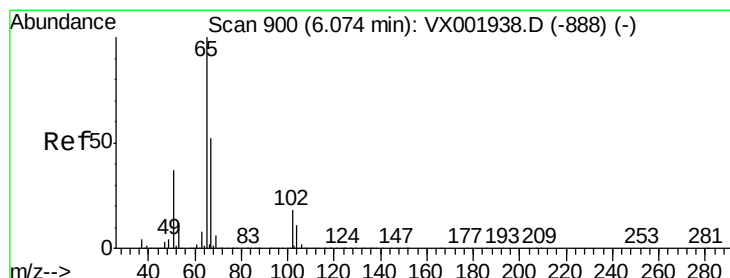
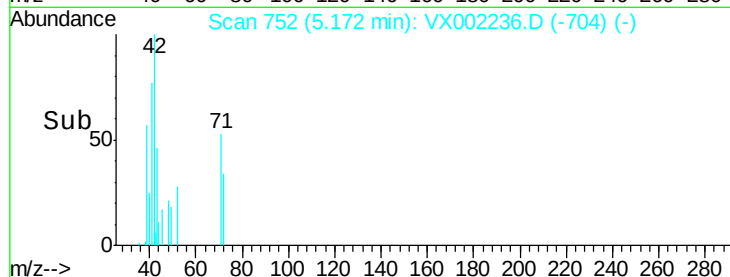
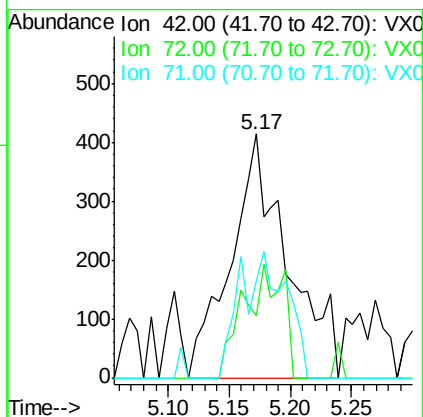
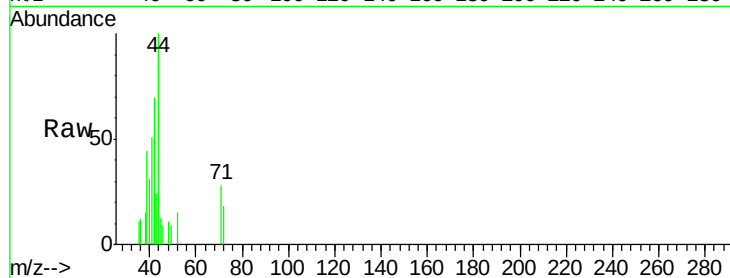
Tot Ion: 42 Resp: 1332

Ion Ratio Lower Upper

42 100

72 32.1 31.4 47.0

71 28.8 29.5 44.3#



#33

1,2-Dichloroethane-d4

Concen: 49.43 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002236.D

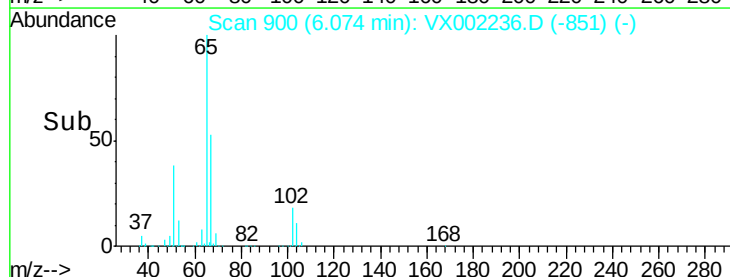
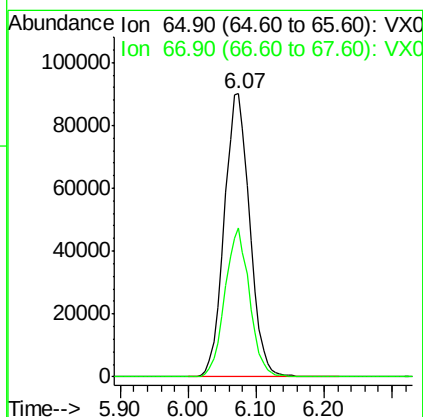
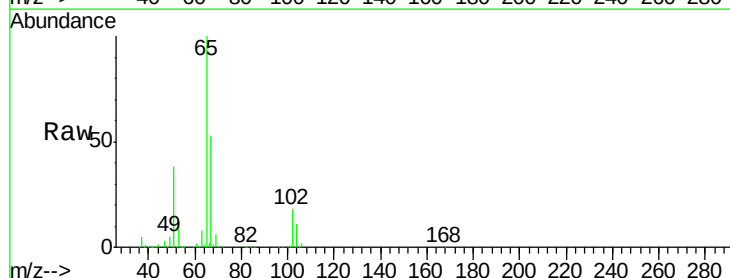
Acq: 02 Jun 2018 13:32

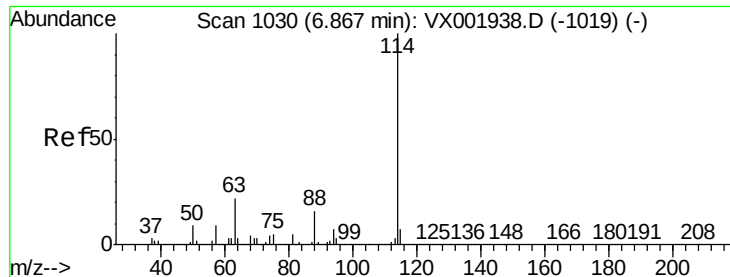
Tgt Ion: 65 Resp: 233793

Ion Ratio Lower Upper

65 100

67 50.6 0.0 104.0

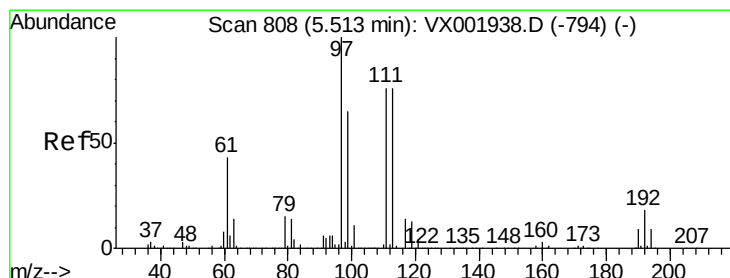
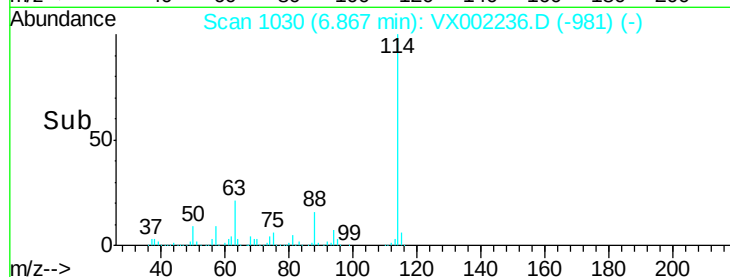
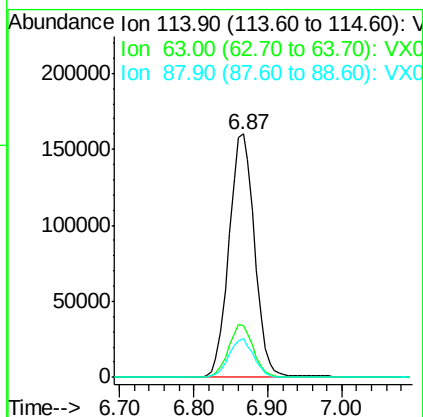
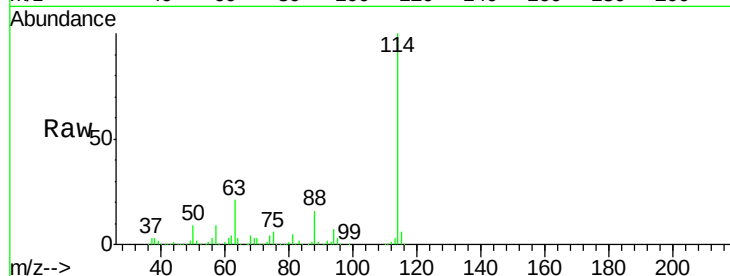




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VX002236.D
Acq: 02 Jun 2018 13:32

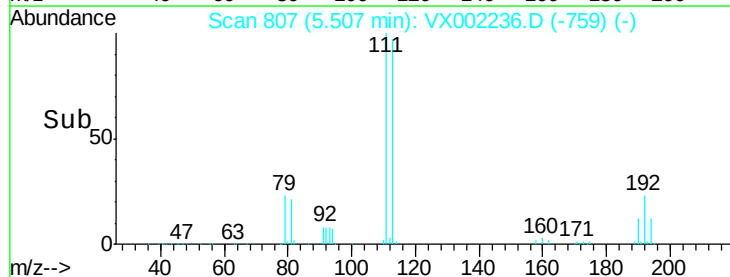
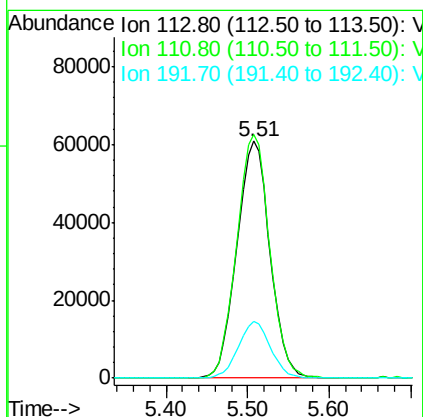
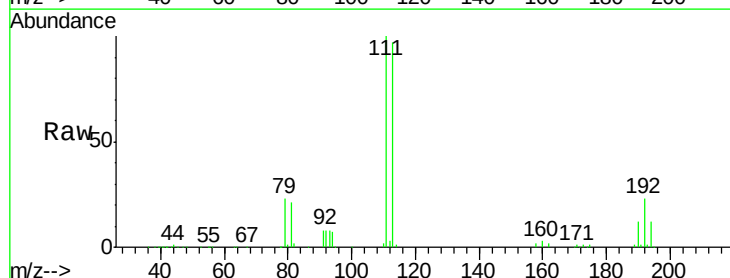
Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

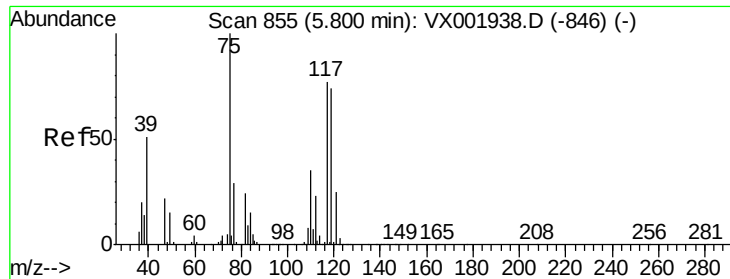
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.2
88	16.1	0.0	31.6



#35
Dibromofluoromethane
Concen: 44.27 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.01 min
Lab File: VX002236.D
Acq: 02 Jun 2018 13:32

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.0	123.0
192	23.4	18.9	28.3

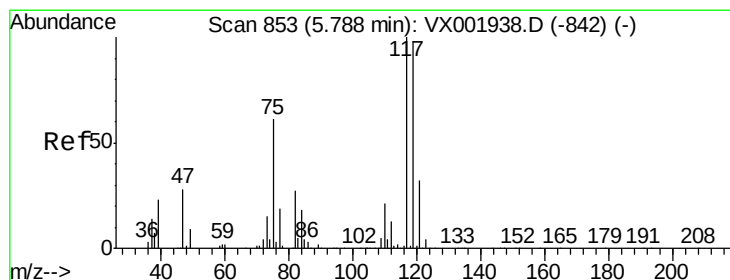
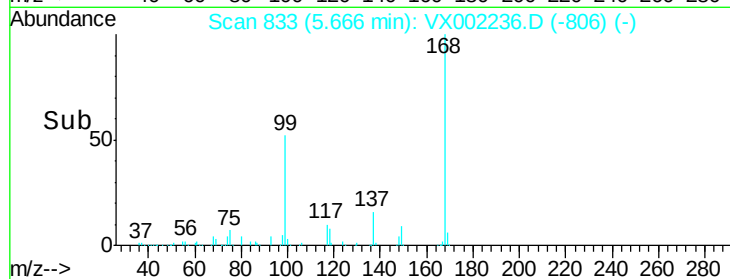
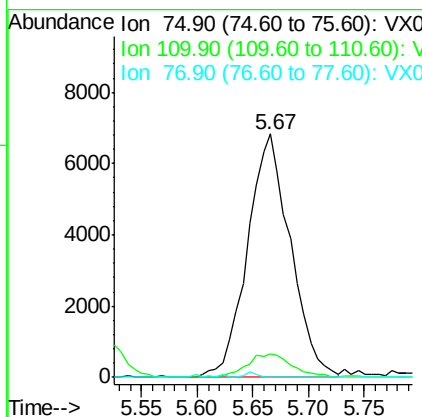
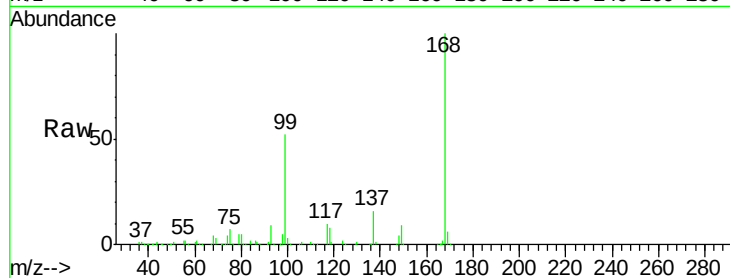




#36
 1,1-Dichloropropene
 Concen: 3.40 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002236.D
 Acq: 02 Jun 2018 13:32

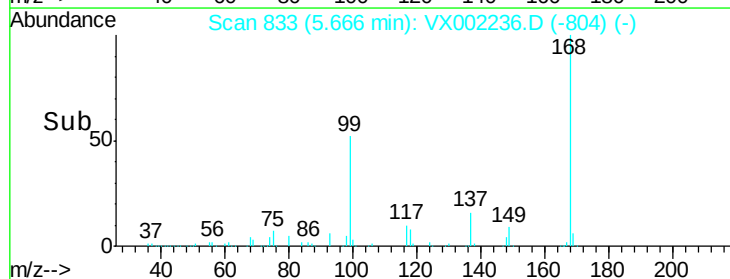
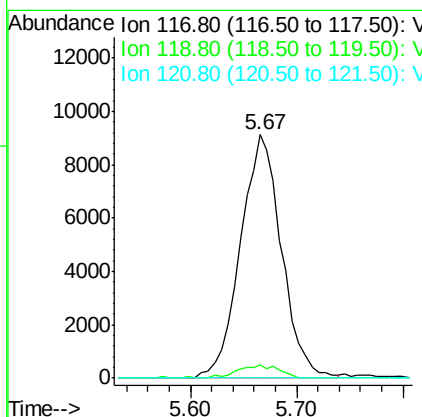
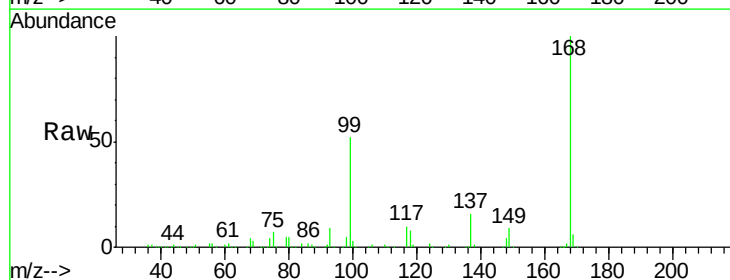
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0602WBL01

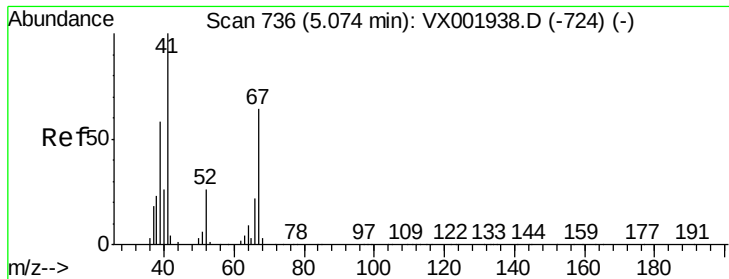
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.0	17.4	52.2#
77	0.5	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 3.92 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002236.D
 Acq: 02 Jun 2018 13:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	78.5	117.7#
121	0.0	25.5	38.3#

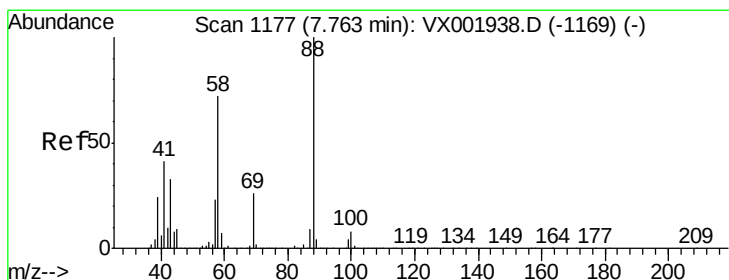
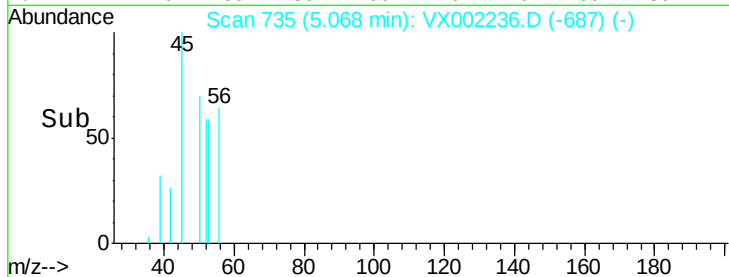
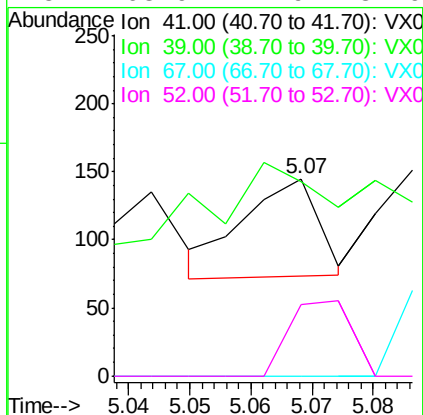
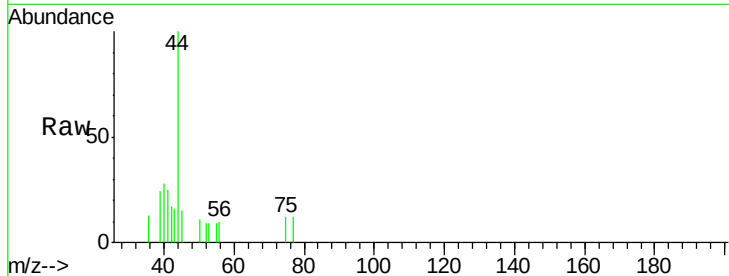




#41
Methacrylonitrile
Concen: Below Cal
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX002236.D
Acq: 02 Jun 2018 13:32

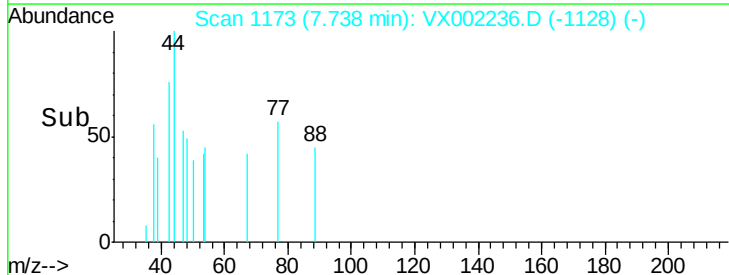
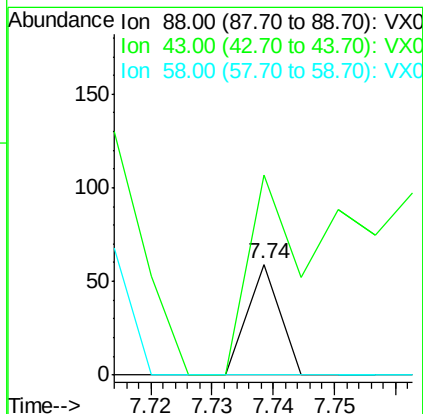
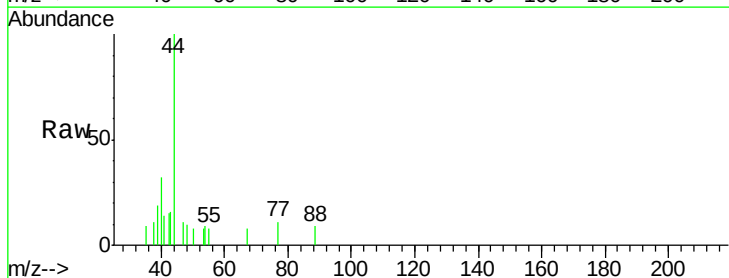
Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

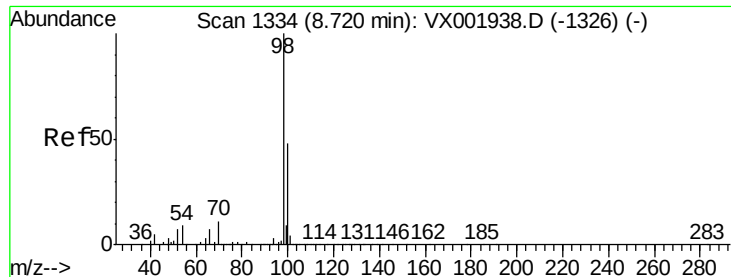
Tot Ion:	41	Resp:	61
Ion	Ratio	Lower	Upper
41	100		
39	101.6	46.0	69.0#
67	0.0	50.6	75.8#
52	63.9	21.9	32.9#



#49
1,4-Dioxane
Concen: 0.21 ug/l
RT: 7.74 min Scan# 1173
Delta R.T. -0.02 min
Lab File: VX002236.D
Acq: 02 Jun 2018 13:32

Tgt Ion:	88	Resp:	22
Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.8	44.8#
58	0.0	58.7	88.1#





#50

Toluene-d8

Concen: 49.26 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002236.D

Acq: 02 Jun 2018 13:32

Instrument :

MSVOA_X

ClientSampleId :

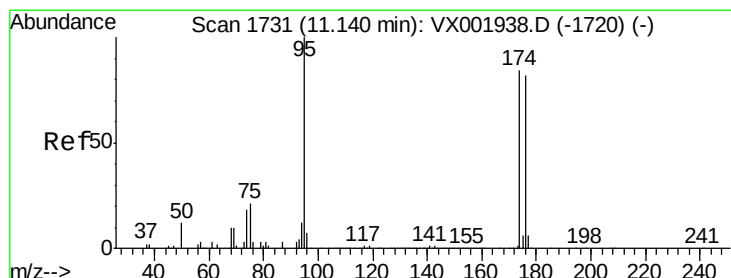
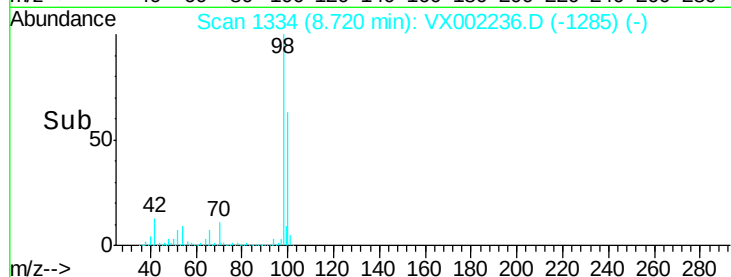
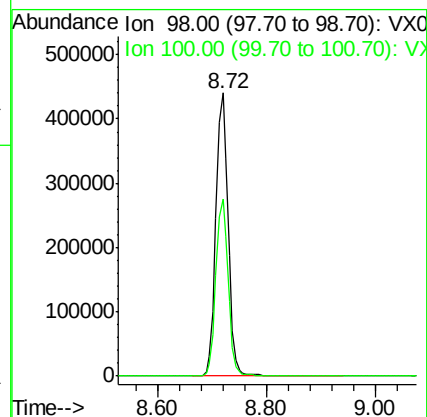
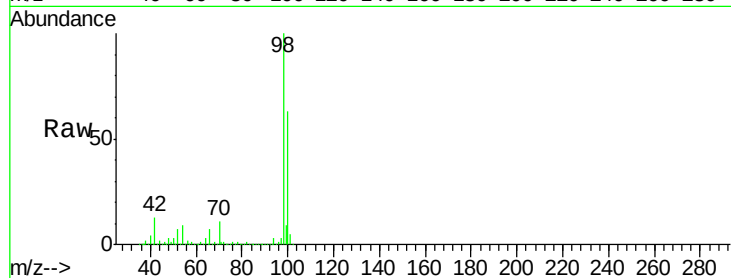
VX0602WBL01

Tot Ion: 98 Resp: 689982

Ion Ratio Lower Upper

98 100

100 63.0 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 43.65 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002236.D

Acq: 02 Jun 2018 13:32

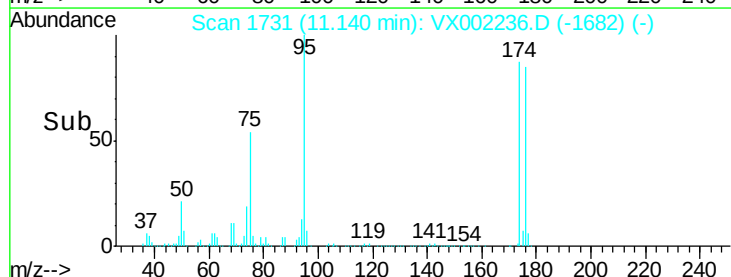
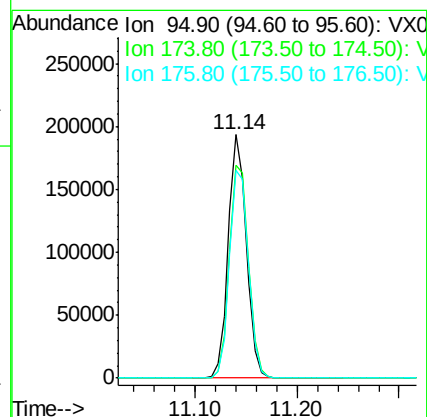
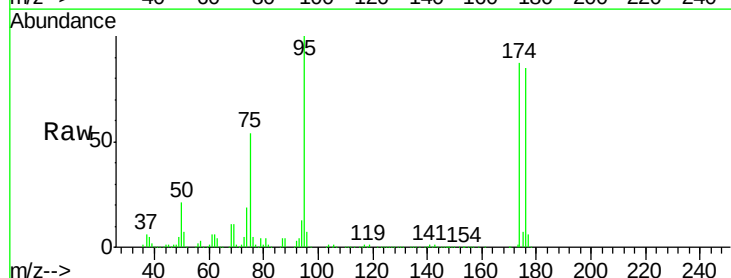
Tgt Ion: 95 Resp: 239252

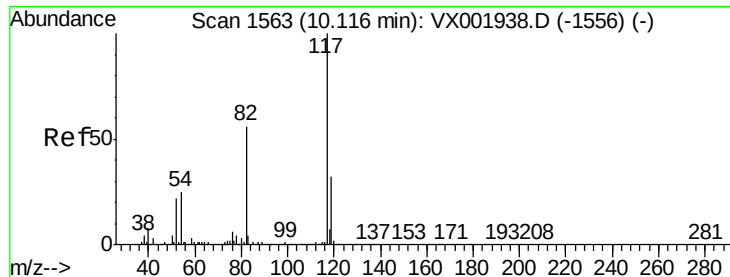
Ion Ratio Lower Upper

95 100

174 92.4 0.0 178.8

176 89.5 0.0 175.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002236.D

Acq: 02 Jun 2018 13:32

Instrument :

MSVOA_X

ClientSampleId :

VX0602WBL01

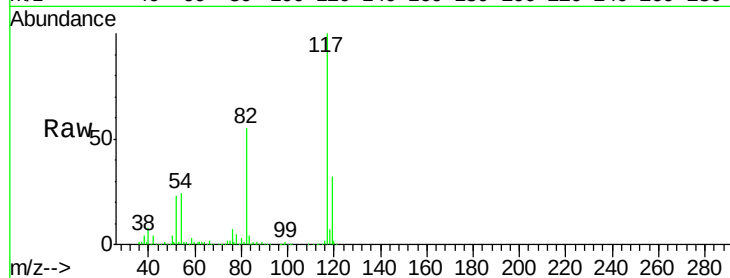
Tot Ion:117 Resp: 347344

Ion Ratio Lower Upper

117 100

82 55.5 44.8 67.2

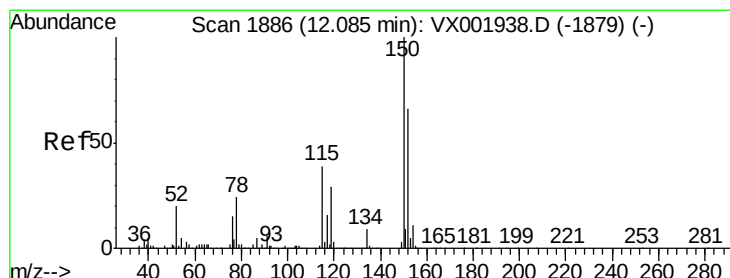
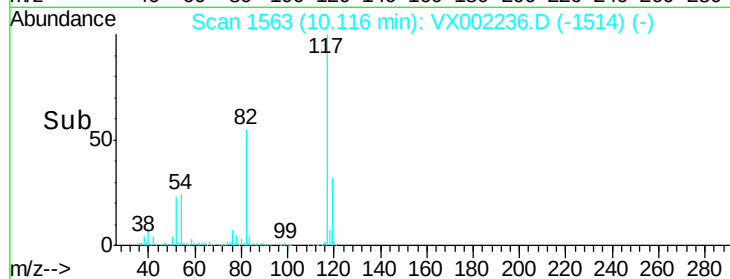
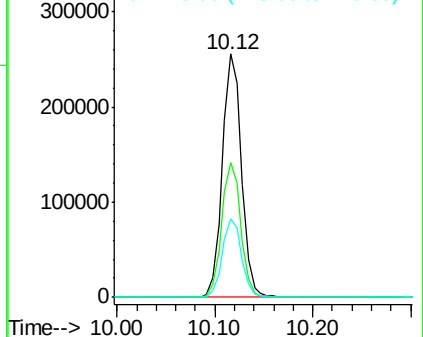
119 32.4 25.5 38.3



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: VX002236.D

Acq: 02 Jun 2018 13:32

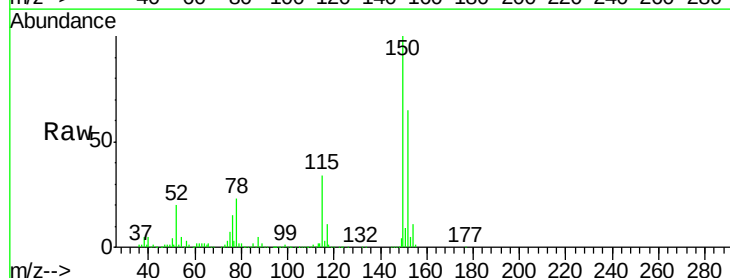
Tgt Ion:152 Resp: 192205

Ion Ratio Lower Upper

152 100

115 55.0 42.3 126.8

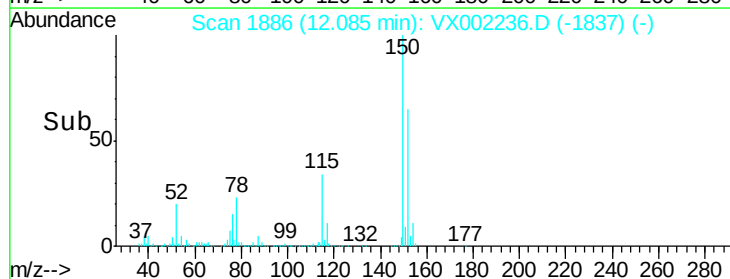
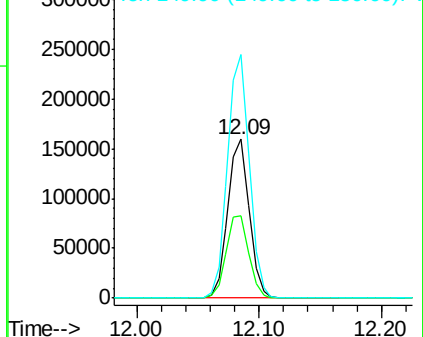
150 156.1 0.0 351.0

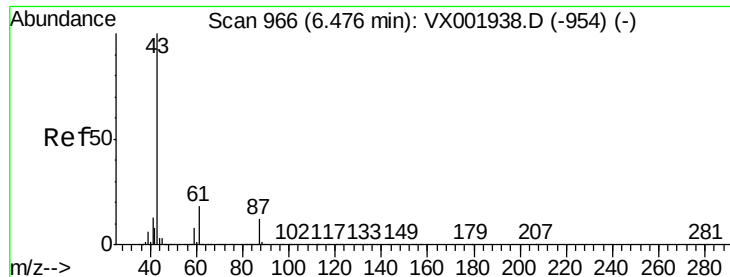


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: Below Cal

RT: 6.46 min Scan# 963

Delta R.T. -0.02 min

Lab File: VX002236.D

Acq: 02 Jun 2018 13:32

Instrument :

MSVOA_X

ClientSampleId :

VX0602WBL01

Tot Ion: 43 Resp: 173

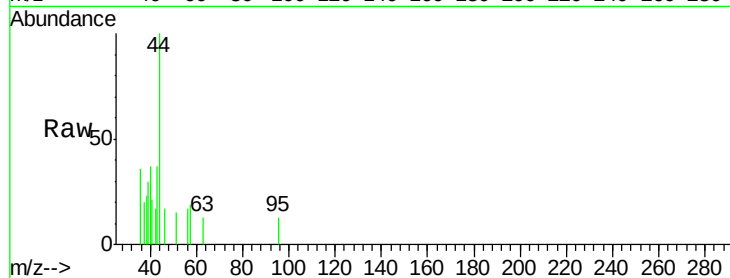
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 67.1 0.1 0.1#

61 0.0 14.5 21.7#

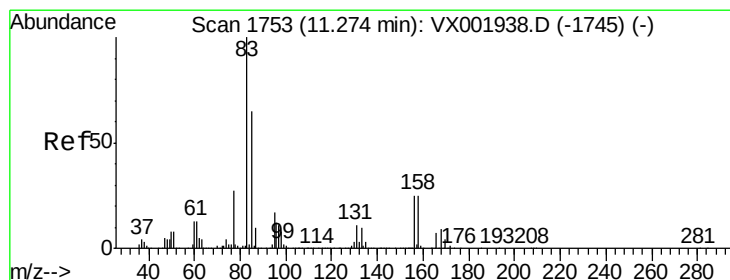
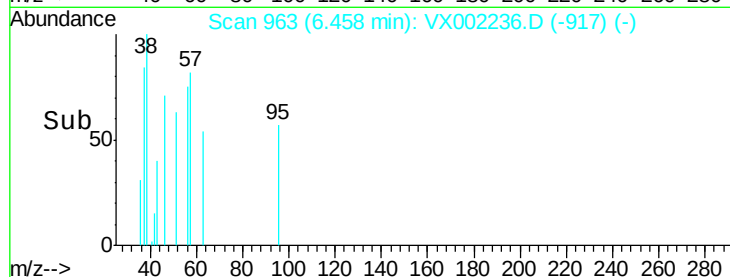
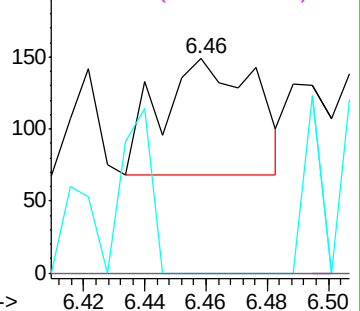


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.29 min Scan# 1755

Delta R.T. 0.01 min

Lab File: VX002236.D

Acq: 02 Jun 2018 13:32

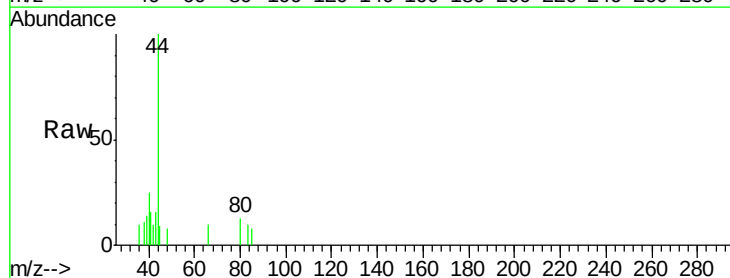
Tgt Ion: 83 Resp: 23

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

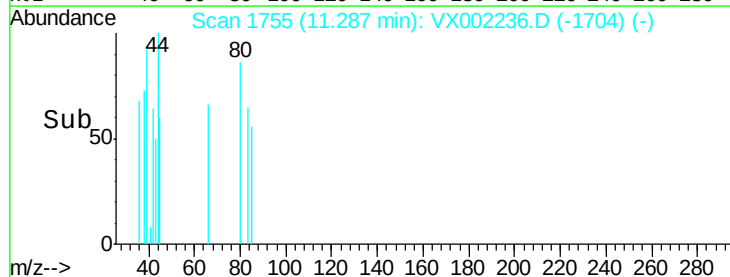
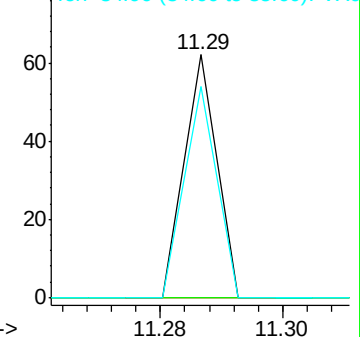
85 87.0 32.6 97.7

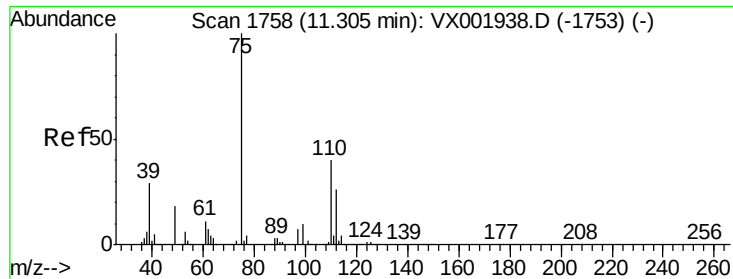


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

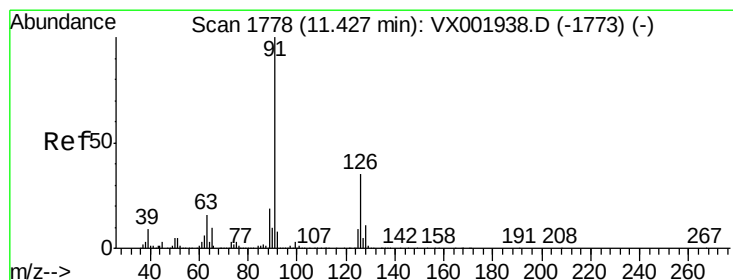
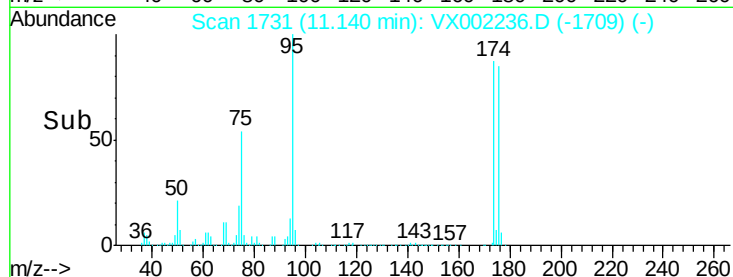
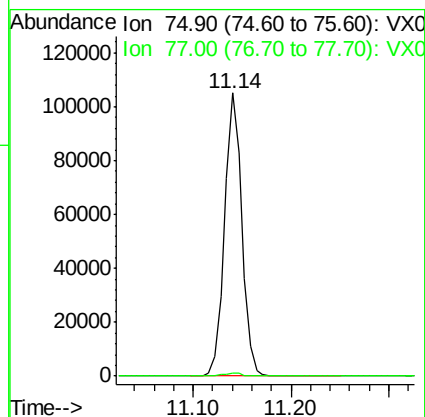
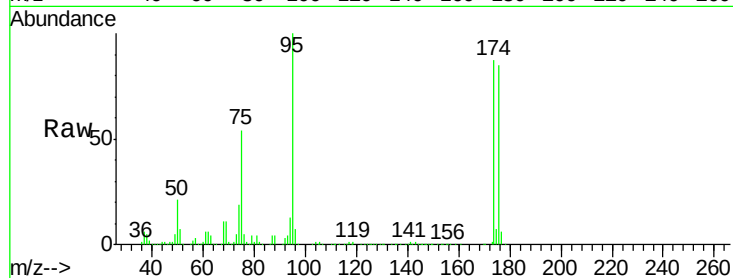




#76
 1,2,3-Trichloropropane
 Concen: 27.86 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002236.D
 Acq: 02 Jun 2018 13:32

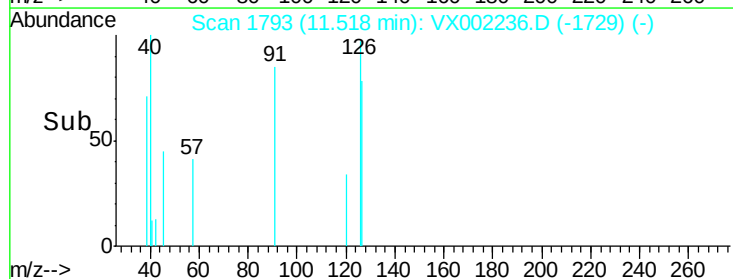
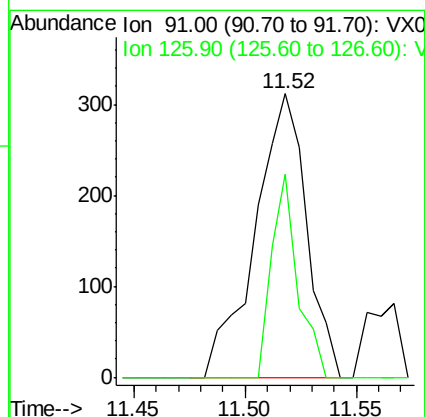
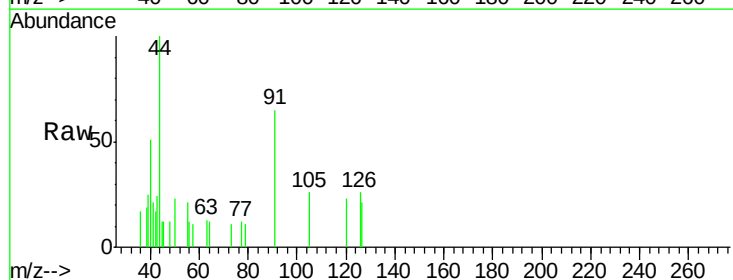
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0602WBL01

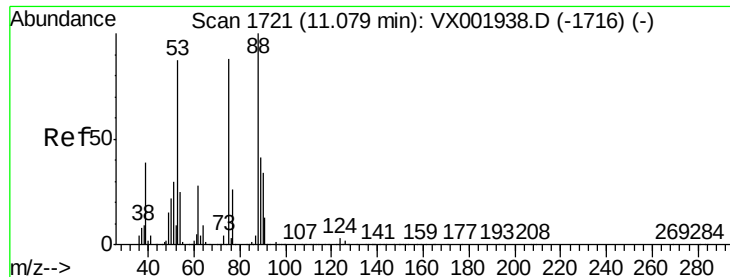
Tot Ion: 75 Resp: 128639
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.8 68.3#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 11.52 min Scan# 1793
 Delta R.T. 0.09 min
 Lab File: VX002236.D
 Acq: 02 Jun 2018 13:32

Tgt Ion: 91 Resp: 501
 Ion Ratio Lower Upper
 91 100
 126 36.1 17.4 52.2





#81

trans-1,4-Dichloro-2-butene

Concen: 66.97 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002236.D

Acq: 02 Jun 2018 13:32

Instrument :

MSVOA_X

ClientSampleId :

VX0602WBL01

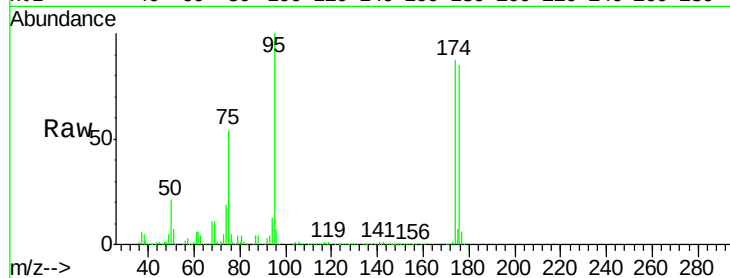
Tot Ion: 75 Resp: 128639

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 39.4 59.2#



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

