

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032319\
 Data File : VX008355.D
 Acq On : 23 Mar 2019 17:23
 Operator : JC/SP
 Sample : VX0323WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0323WBL01

Quant Time: Mar 25 07:59:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	230367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	393315	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	331341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129679	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	165789	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	
35) Dibromofluoromethane	5.49	113	122134	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
50) Toluene-d8	8.71	98	493381	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
62) 4-Bromofluorobenzene	11.13	95	160463	43.36	ug/l	0.00
Spiked Amount			Recovery	=	86.72%	

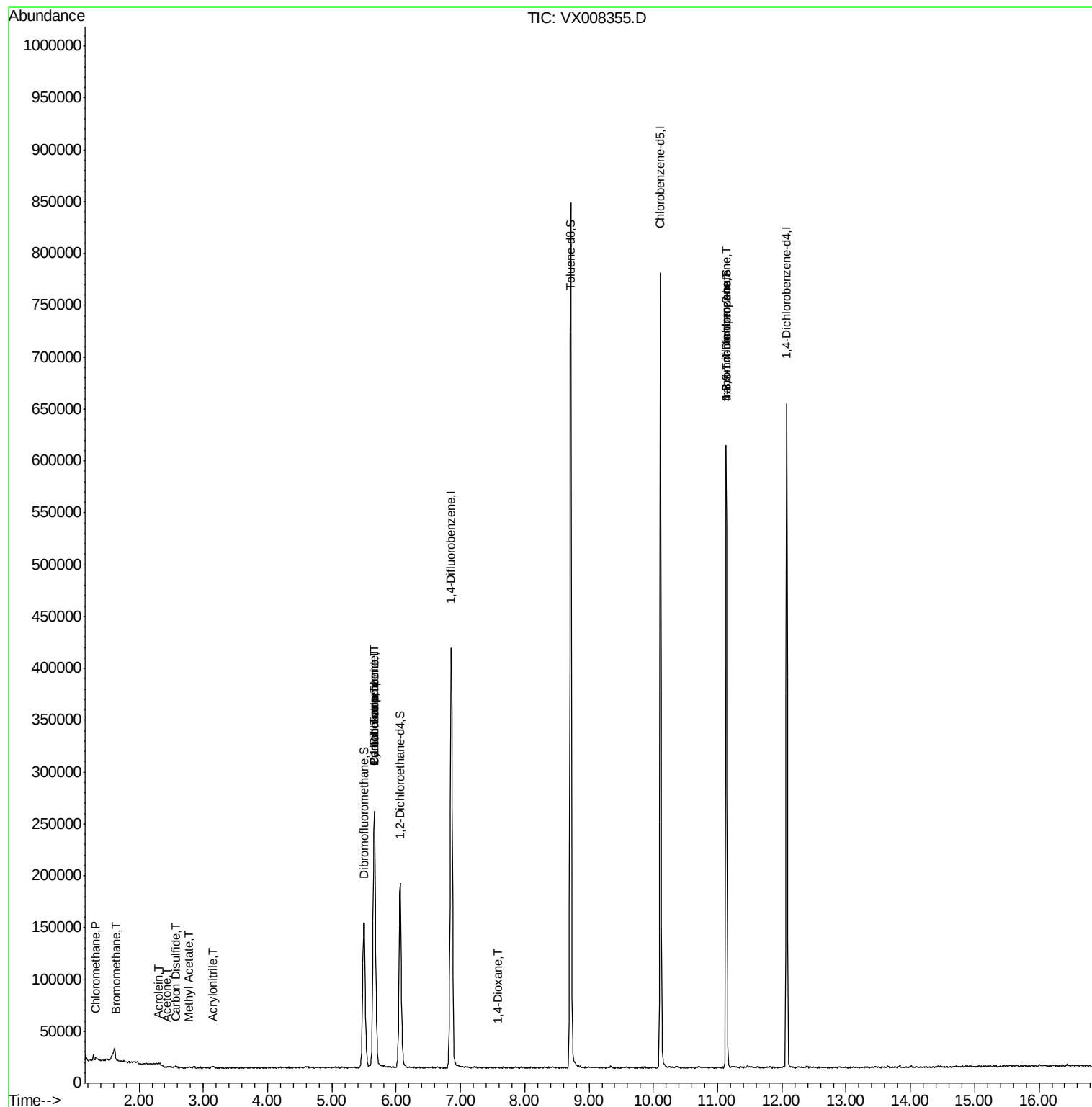
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1709	0.442	ug/l	94
5) Bromomethane	1.64	94	671	0.282	ug/l #	59
13) Acrolein	2.29	56	339	0.507	ug/l #	81
15) Acrylonitrile	3.15	53	756	0.377	ug/l #	81
16) Acetone	2.44	43	926	0.527	ug/l	97
17) Carbon Disulfide	2.57	76	2091	0.249	ug/l #	85
18) Methyl Acetate	2.78	43	930	0.212	ug/l #	77
31) Cyclohexane	5.66	56	5086	0.920	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	19683	4.897	ug/l #	48
38) Carbon Tetrachloride	5.66	117	23139	6.716	ug/l #	16
49) 1,4-Dioxane	7.59	88	48	0.557	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	81997	24.157	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	81997	68.841	ug/l #	12

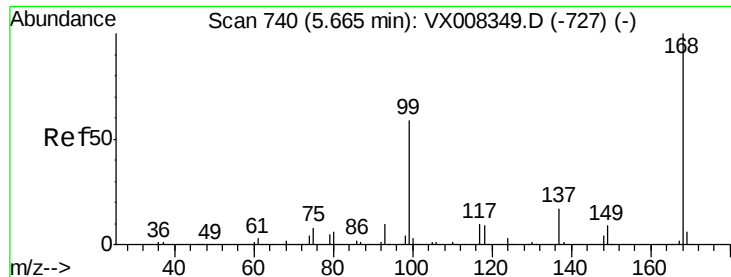
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008355.D

Acq: 23 Mar 2019 17:23

Instrument :

MSVOA_X

ClientSampleId :

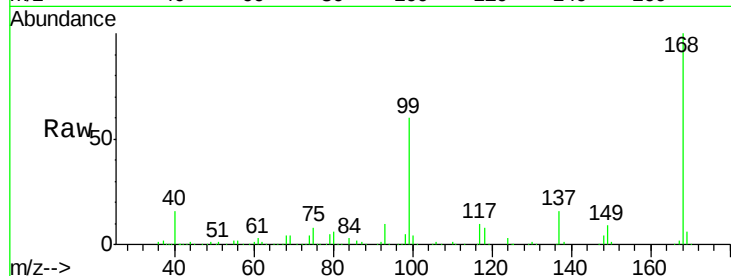
VX0323WBL01

Tot Ion:168 Resp: 230367

Ion Ratio Lower Upper

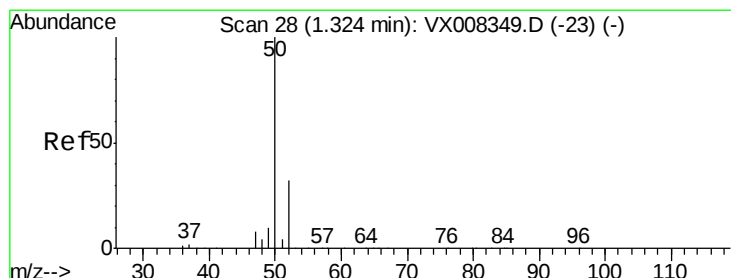
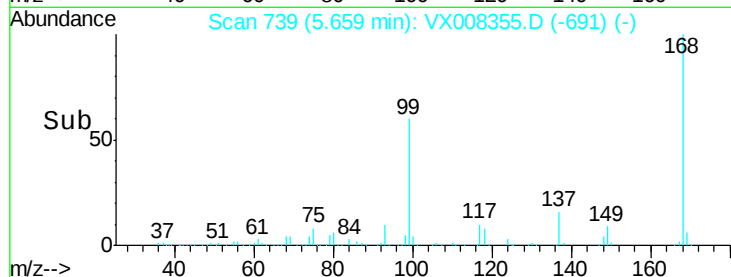
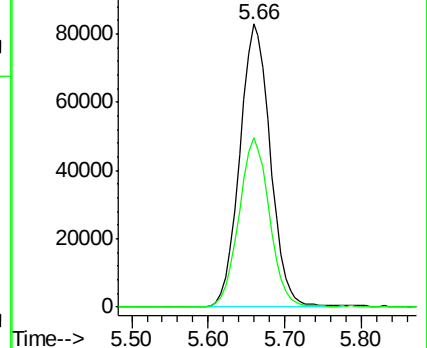
168 100

99 60.1 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.442 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008355.D

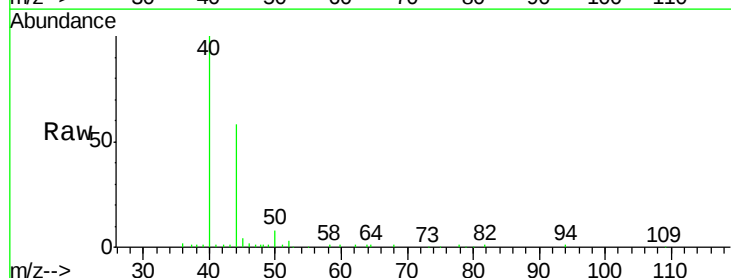
Acq: 23 Mar 2019 17:23

Tgt Ion: 50 Resp: 1709

Ion Ratio Lower Upper

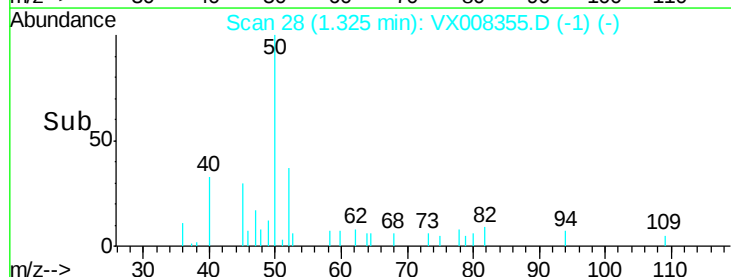
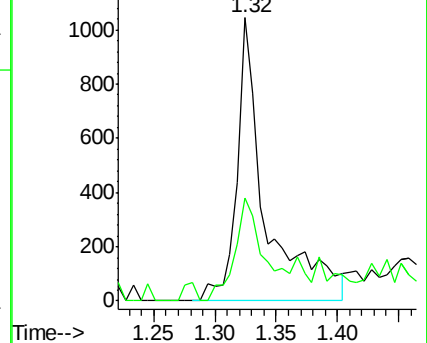
50 100

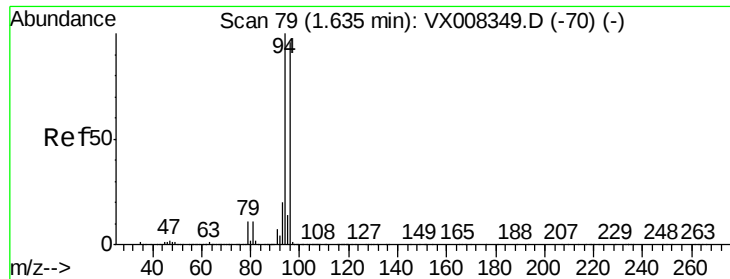
52 29.9 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.282 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008355.D

Acq: 23 Mar 2019 17:23

Instrument :

MSVOA_X

ClientSampleId :

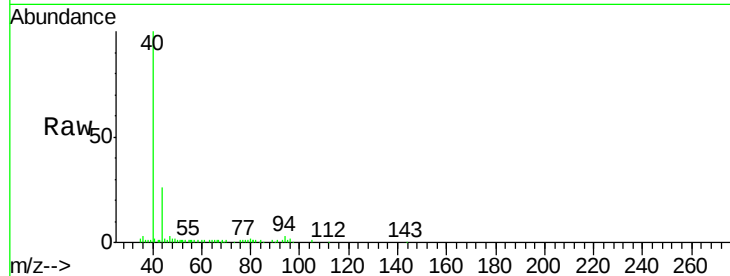
VX0323WBL01

Tot Ion: 94 Resp: 671

Ion Ratio Lower Upper

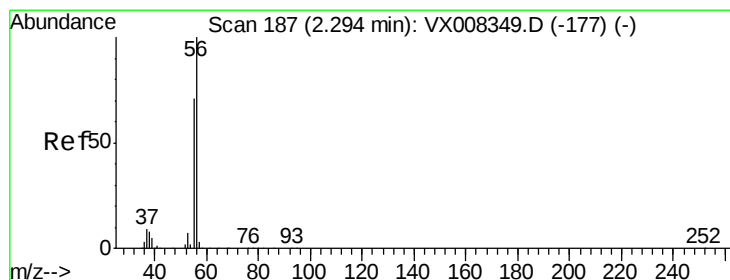
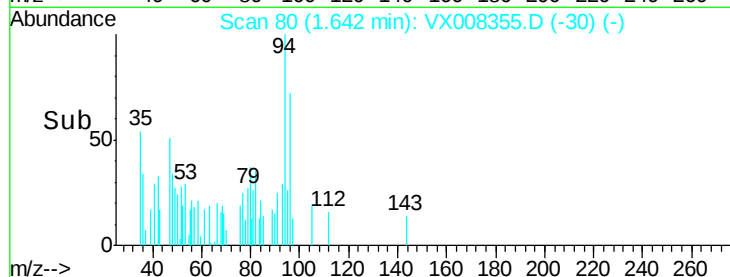
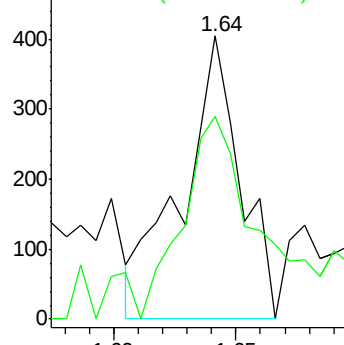
94 100

96 55.0 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#13

Acrolein

Concen: 0.507 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008355.D

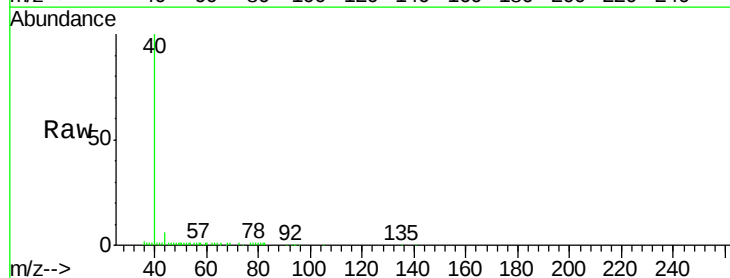
Acq: 23 Mar 2019 17:23

Tgt Ion: 56 Resp: 339

Ion Ratio Lower Upper

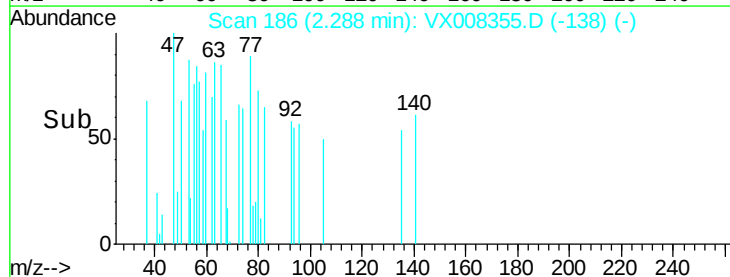
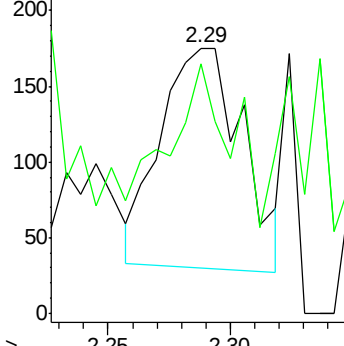
56 100

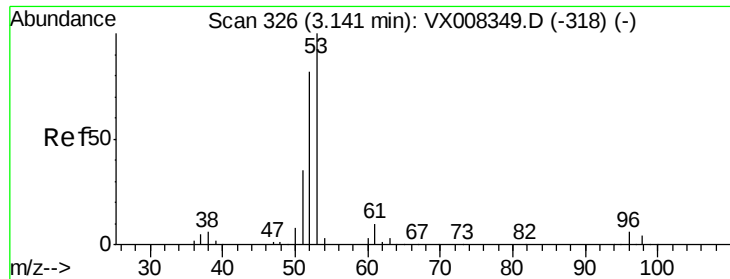
55 56.0 57.8 86.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.377 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX008355.D

Acq: 23 Mar 2019 17:23

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBL01

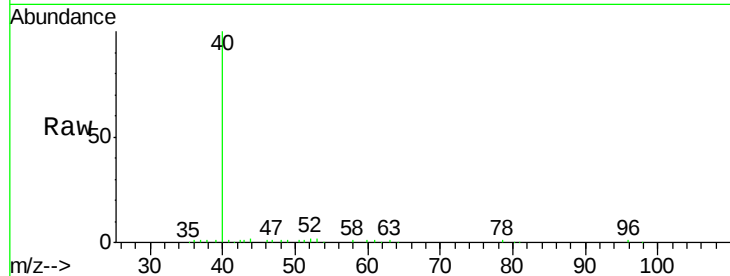
Tot Ion: 53 Resp: 756

Ion Ratio Lower Upper

53 100

52 94.0 66.0 99.0

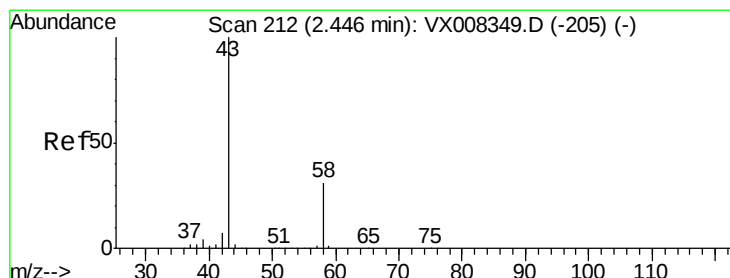
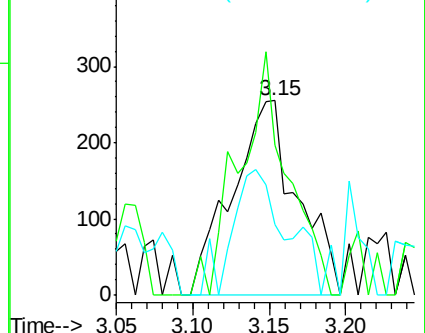
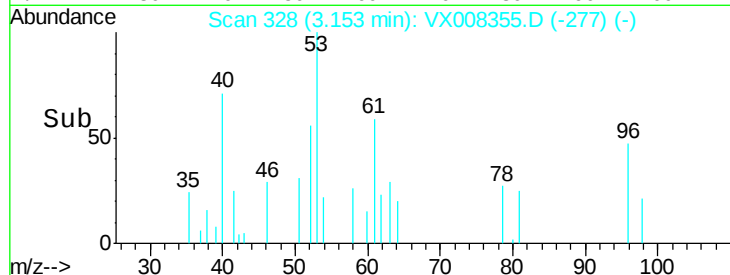
51 54.1 28.0 42.0#



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: 0.527 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008355.D

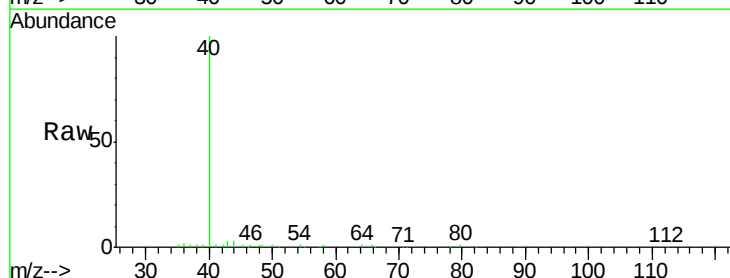
Acq: 23 Mar 2019 17:23

Tgt Ion: 43 Resp: 926

Ion Ratio Lower Upper

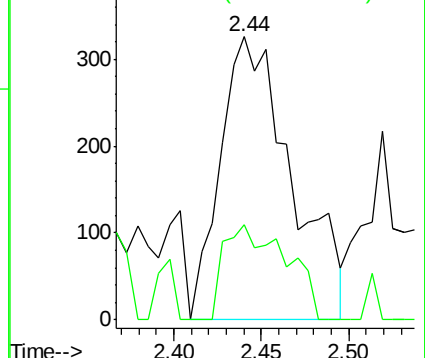
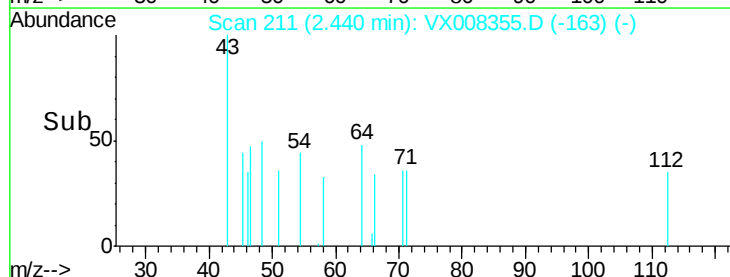
43 100

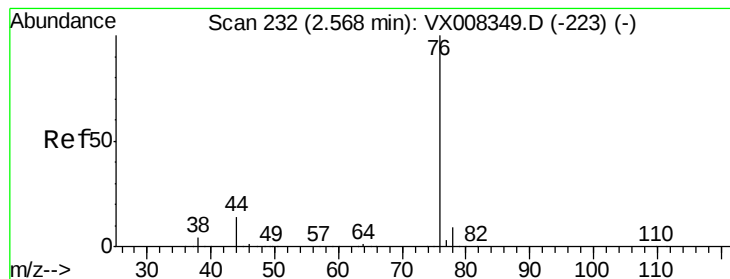
58 33.4 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.249 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008355.D

Acq: 23 Mar 2019 17:23

Instrument :

MSVOA_X

ClientSampleId :

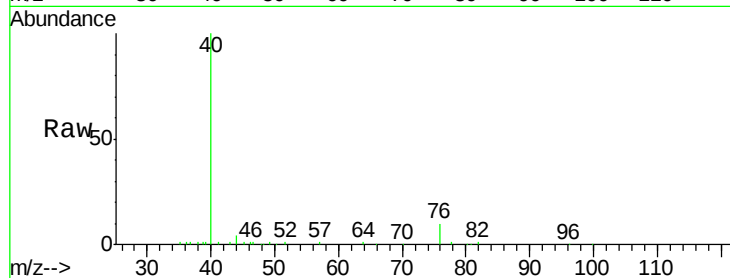
VX0323WBL01

Tot Ion: 76 Resp: 2091

Ion Ratio Lower Upper

76 100

78 14.4 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

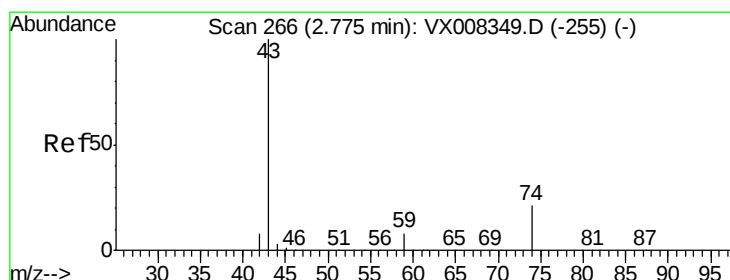
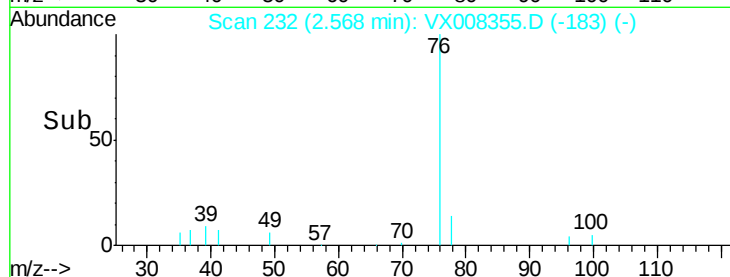
1500

1000

500

0

Time-->



#18

Methyl Acetate

Concen: 0.212 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX008355.D

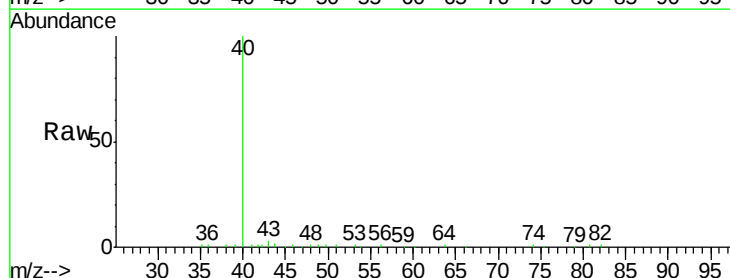
Acq: 23 Mar 2019 17:23

Tgt Ion: 43 Resp: 930

Ion Ratio Lower Upper

43 100

74 11.2 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

400

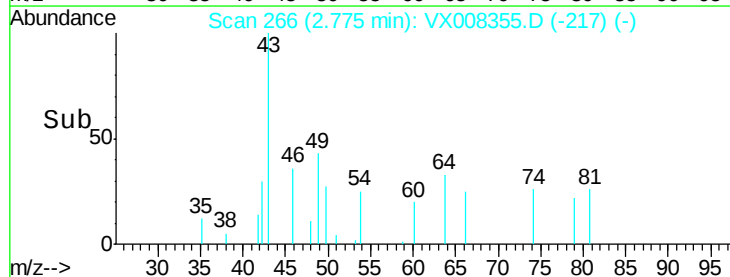
300

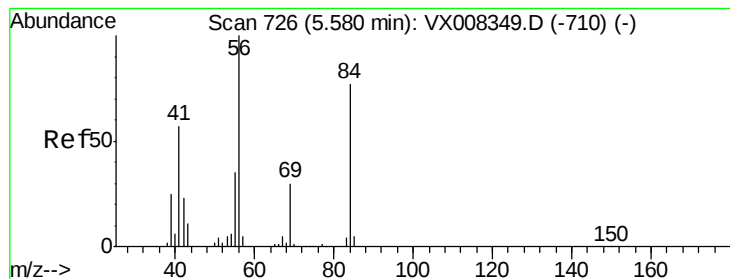
200

100

0

Time-->





#31

Cyclohexane

Concen: 0.920 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008355.D

Acq: 23 Mar 2019 17:23

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBL01

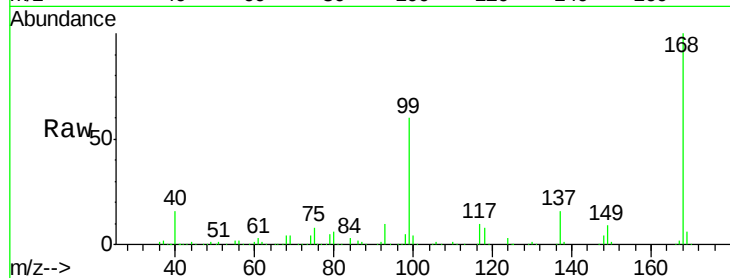
Tot Ion: 56 Resp: 5086

Ion Ratio Lower Upper

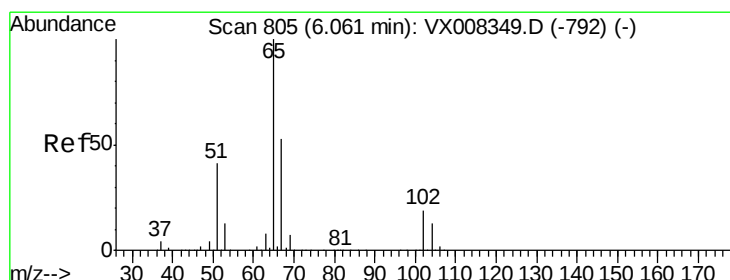
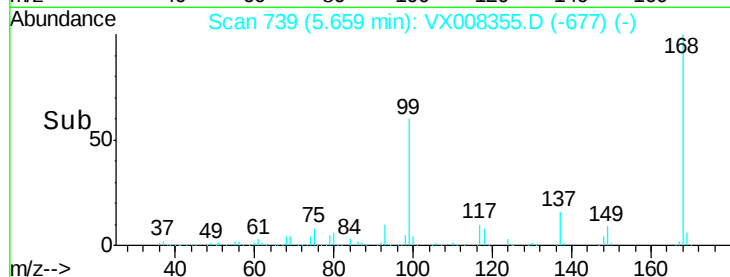
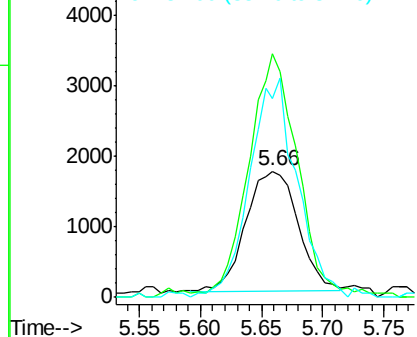
56 100

69 197.6 24.0 36.0#

84 166.7 65.3 97.9#



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: 47.185 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008355.D

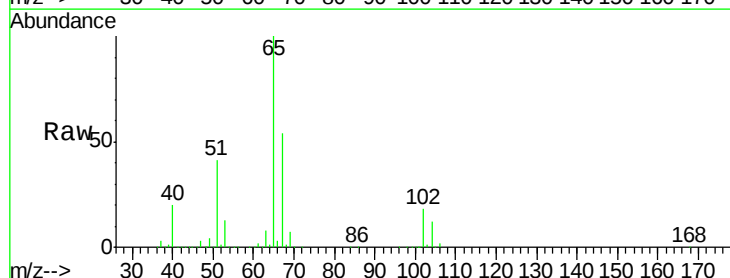
Acq: 23 Mar 2019 17:23

Tgt Ion: 65 Resp: 165789

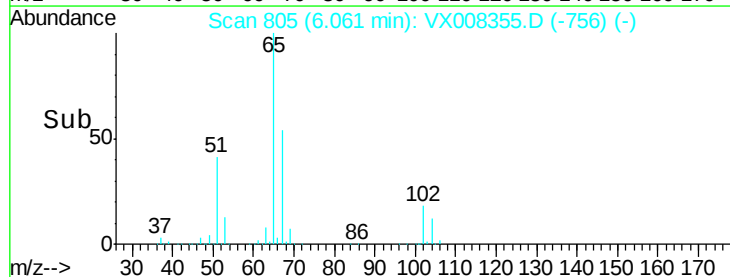
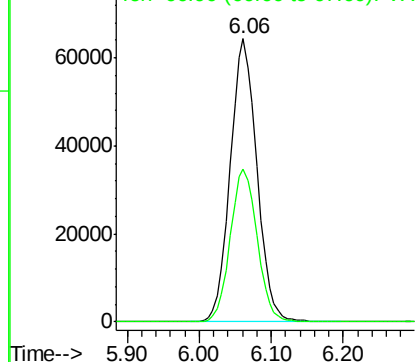
Ion Ratio Lower Upper

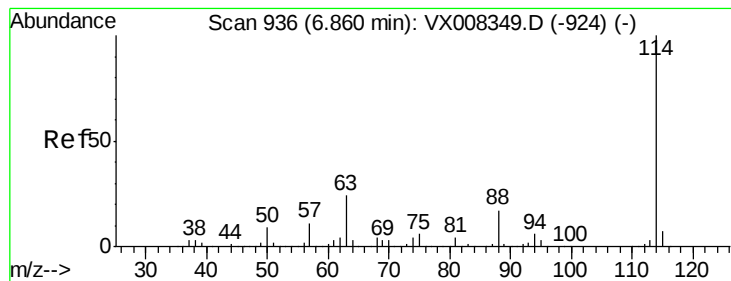
65 100

67 54.6 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX008355.D

Acq: 23 Mar 2019 17:23

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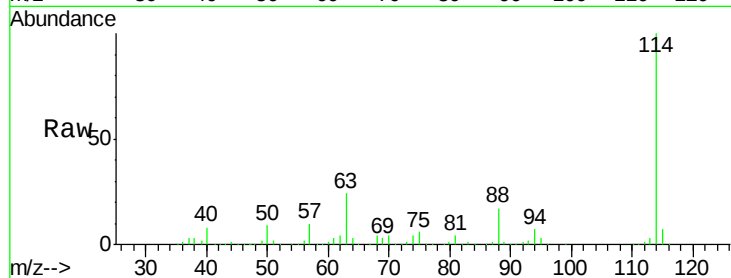
Tot Ion:114 Resp: 393315

Ion Ratio Lower Upper

114 100

63 24.3 0.0 39.8

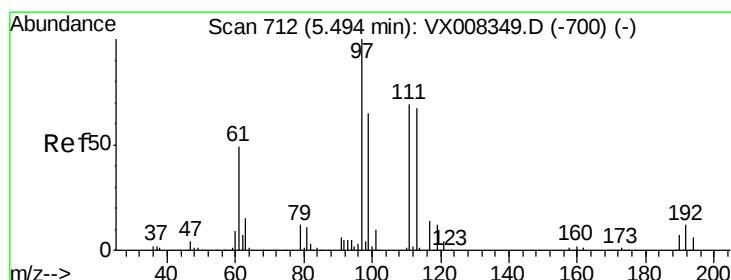
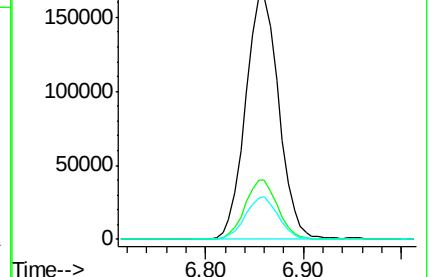
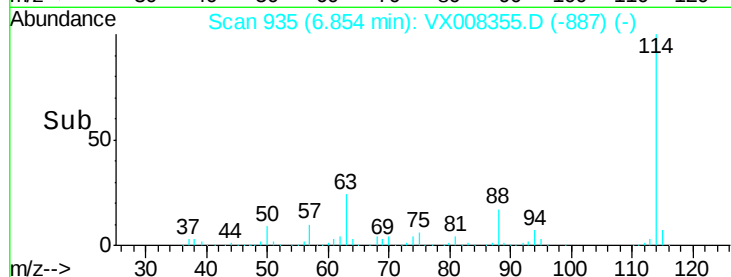
88 17.2 0.0 31.4



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: 47.928 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX008355.D

Acq: 23 Mar 2019 17:23

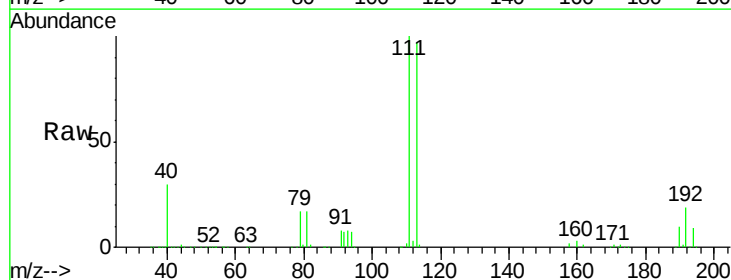
Tgt Ion:113 Resp: 122134

Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.0

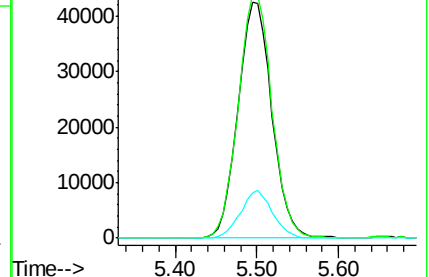
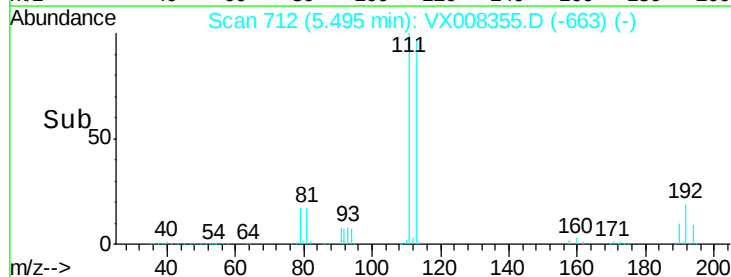
192 19.1 19.4 29.0#

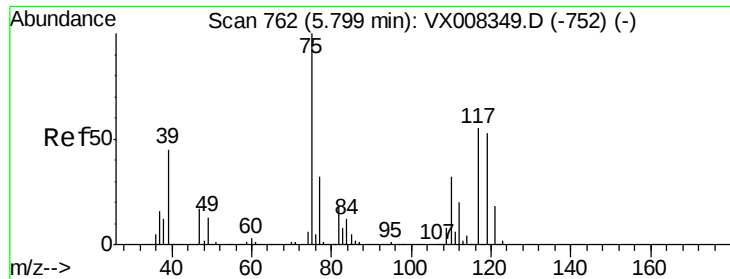


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

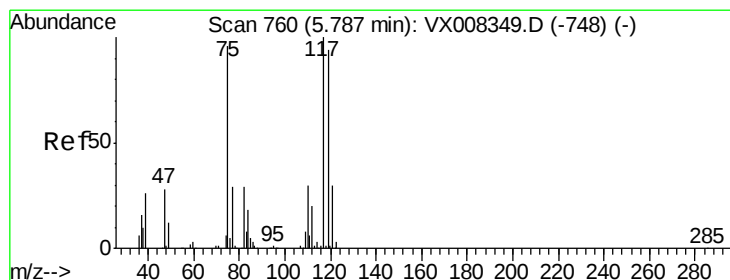
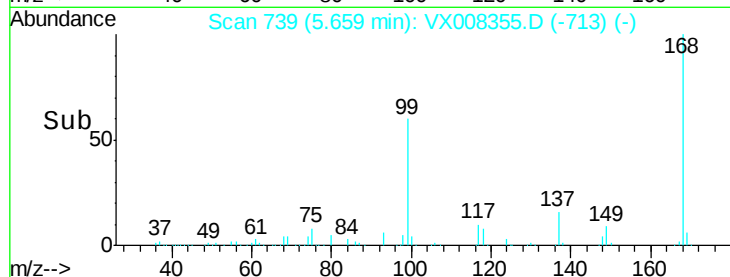
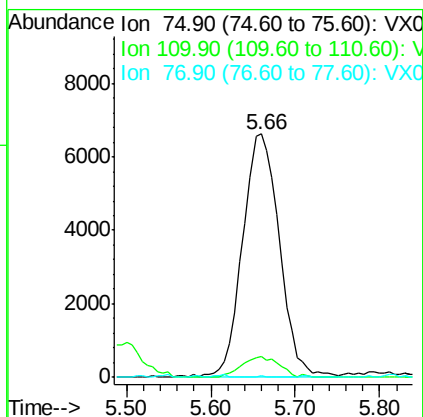
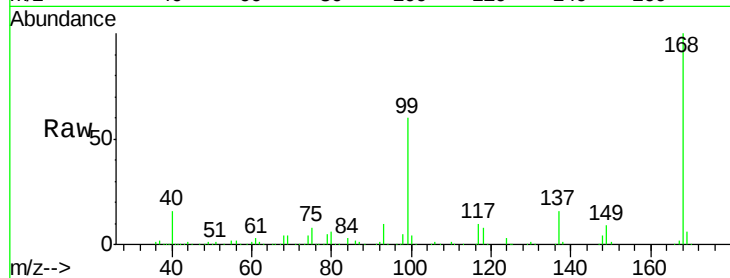




#36
 1,1-Dichloropropene
 Concen: 4.897 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008355.D
 Acq: 23 Mar 2019 17:23

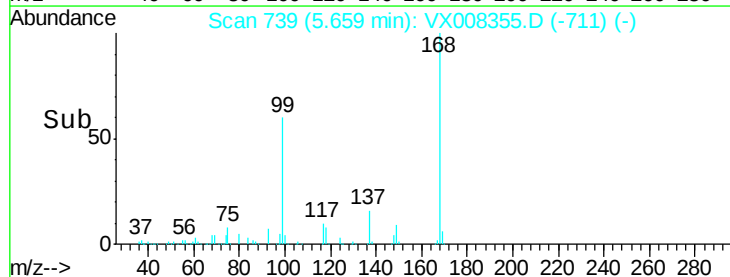
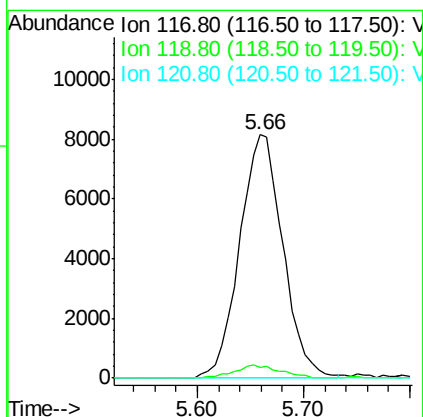
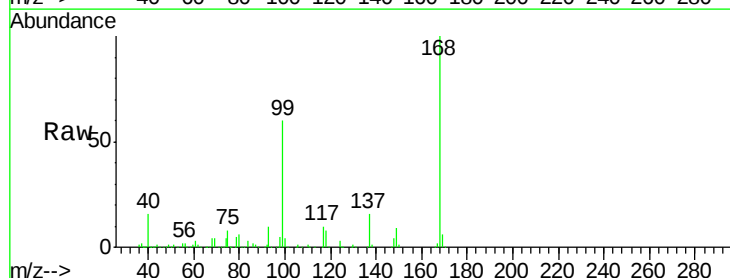
Instrument :
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 VX0323WBL01

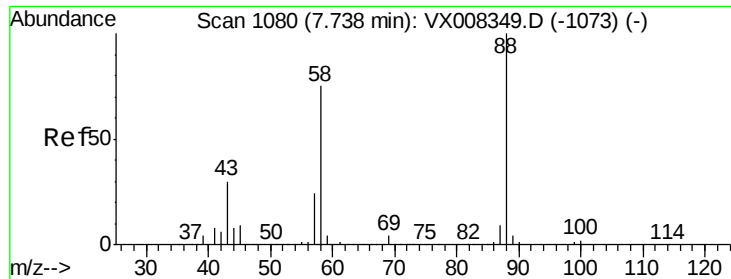
Tot Ion: 75 Resp: 19683
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.4 55.0#
 77 0.1 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.716 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008355.D
 Acq: 23 Mar 2019 17:23

Tgt Ion: 117 Resp: 23139
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.2 114.2#
 121 0.0 24.6 36.8#

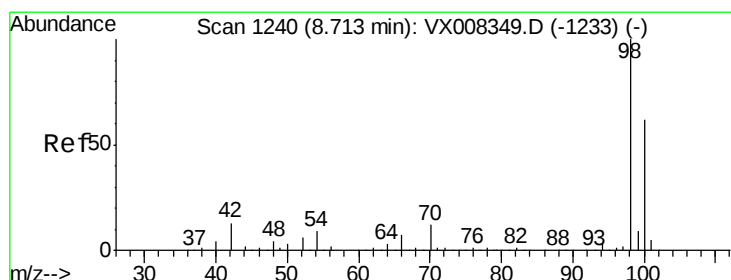
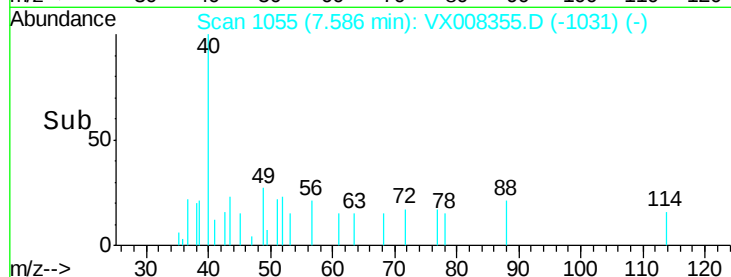
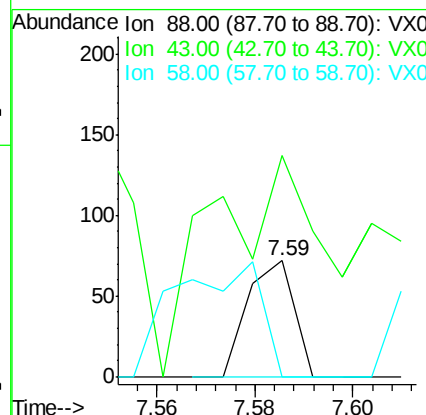
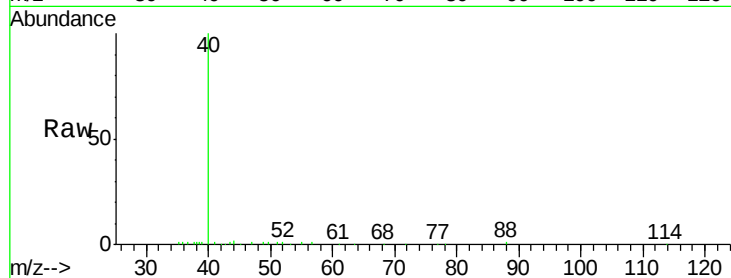




#49
1,4-Dioxane
Concen: 0.557 ug/l
RT: 7.59 min Scan# 1055
Delta R.T. -0.15 min
Lab File: VX008355.D
Acq: 23 Mar 2019 17:23

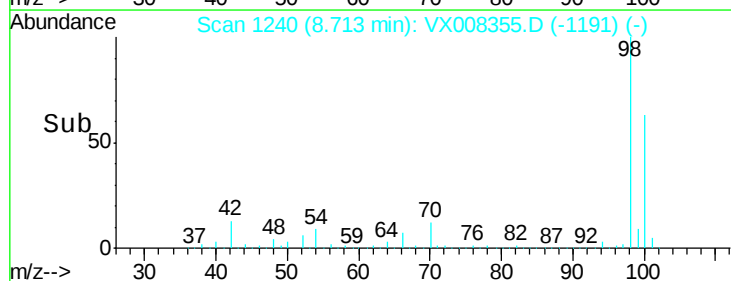
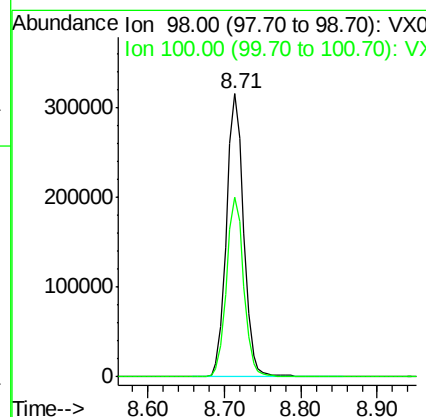
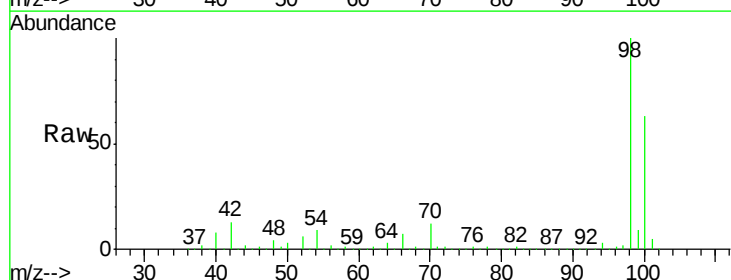
Instrument :
MSVOA_X
ClientSampleId :
VX0323WBL01

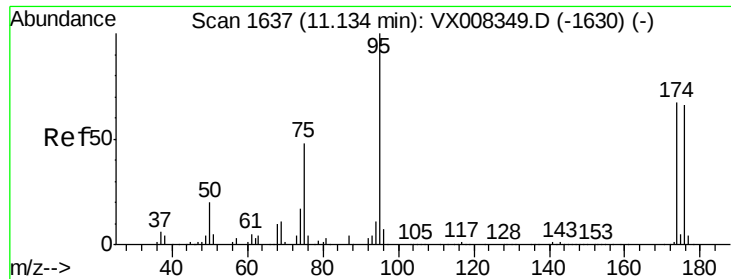
Tot Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
43 216.7 25.1 37.7#
58 181.3 57.8 86.6#



#50
Toluene-d8
Concen: 48.951 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008355.D
Acq: 23 Mar 2019 17:23

Tgt Ion: 98 Resp: 493381
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 43.361 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008355.D

Acq: 23 Mar 2019 17:23

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBL01

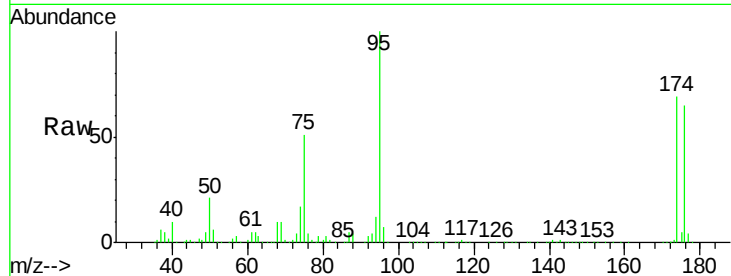
Tot Ion: 95 Resp: 160463

Ion Ratio Lower Upper

95 100

174 73.4 0.0 182.8

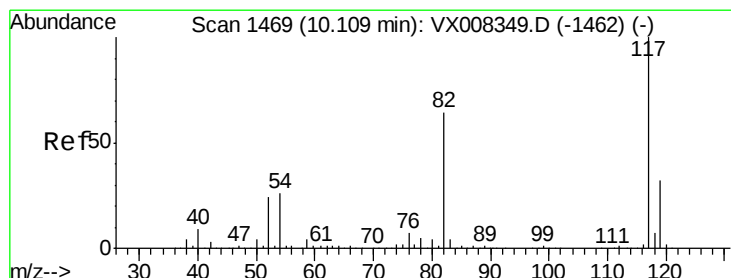
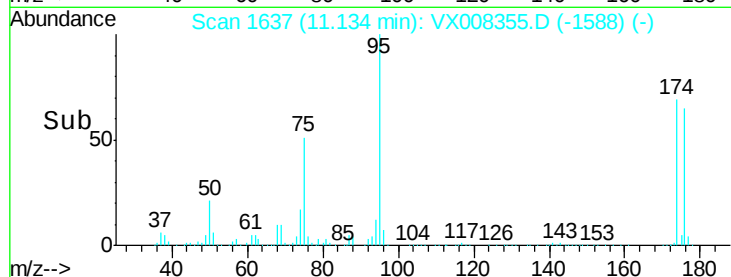
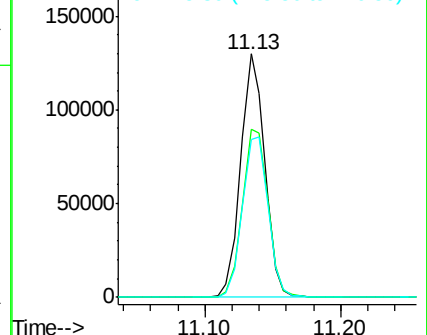
176 70.6 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX008349.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008349.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008349.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008355.D

Acq: 23 Mar 2019 17:23

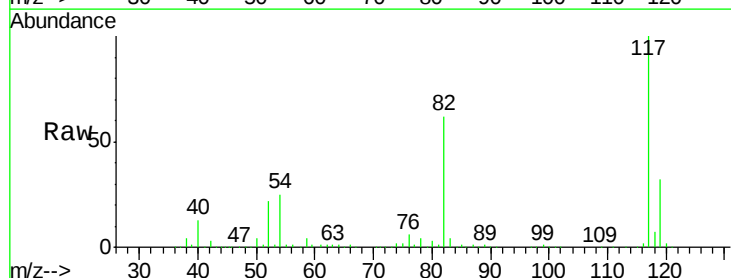
Tgt Ion: 117 Resp: 331341

Ion Ratio Lower Upper

117 100

82 62.2 44.3 66.5

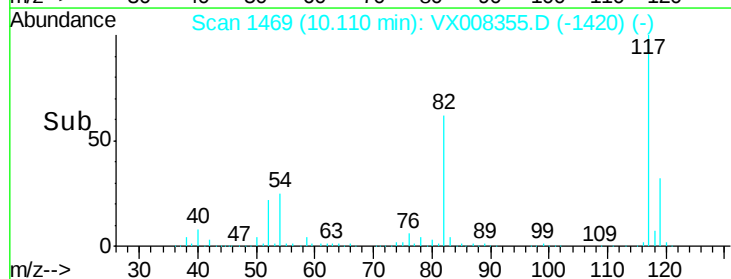
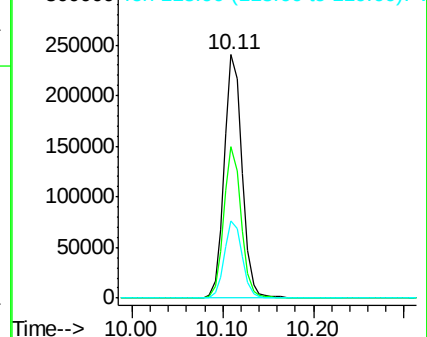
119 31.9 25.3 37.9

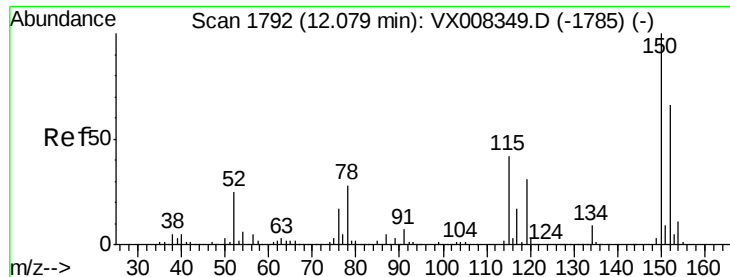


Abundance Ion 116.90 (116.60 to 117.60): VX008349.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008349.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008349.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008355.D

Acq: 23 Mar 2019 17:23

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBL01

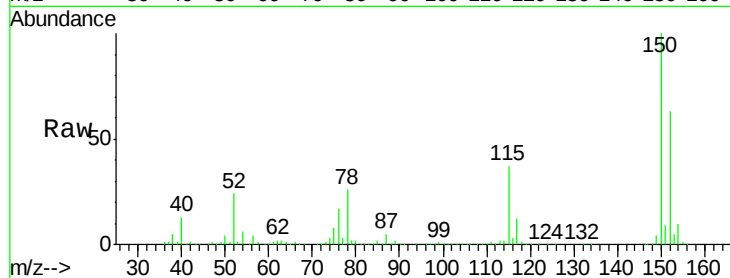
Tot Ion:152 Resp: 129679

Ion Ratio Lower Upper

152 100

115 61.4 38.6 115.7

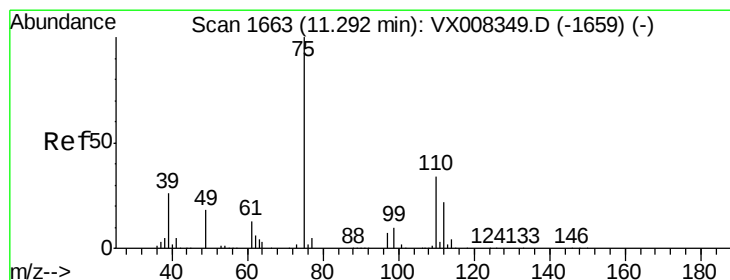
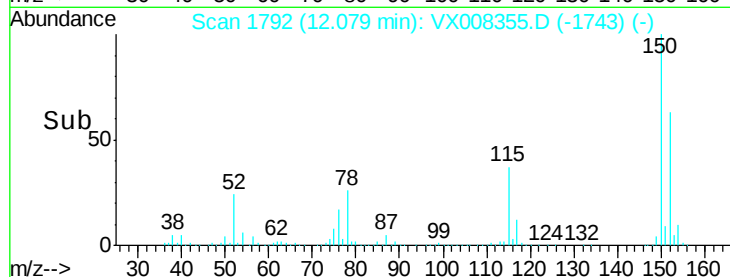
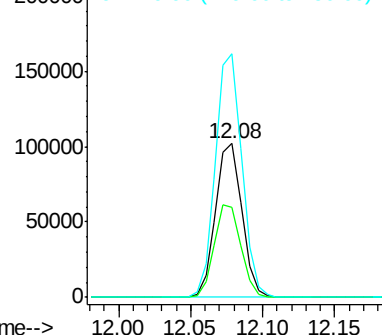
150 158.8 0.0 348.4



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: 24.157 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008355.D

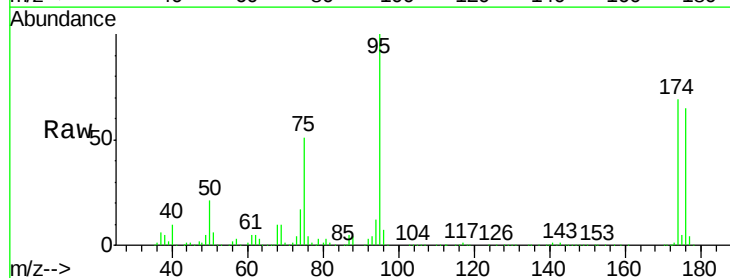
Acq: 23 Mar 2019 17:23

Tgt Ion: 75 Resp: 81997

Ion Ratio Lower Upper

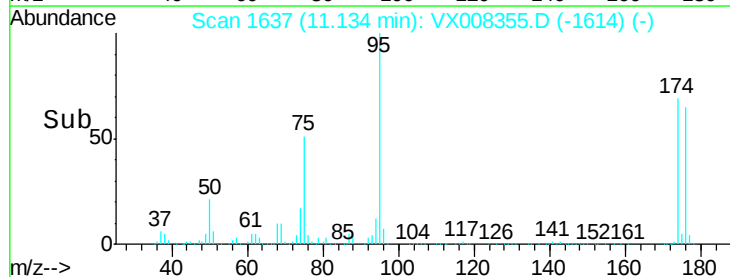
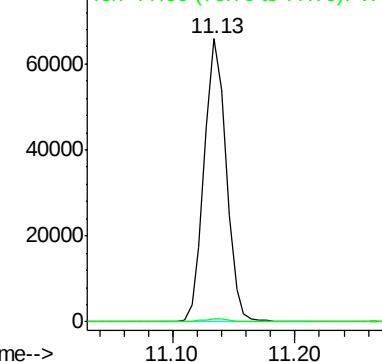
75 100

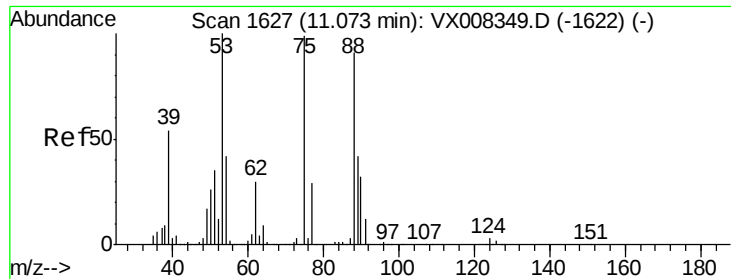
77 1.4 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 68.841 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008355.D

Acq: 23 Mar 2019 17:23

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBL01

Tot Ion: 75 Resp: 81997

Ion Ratio Lower Upper

75 100

53 0.1 76.1 114.1#

89 0.0 36.3 54.5#

