

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071819\
 Data File : VX010949.D
 Acq On : 18 Jul 2019 11:29
 Operator : JC/SP
 Sample : VX0718MBL01
 Misc : 5.0g/10mL/100uL/5mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718MBL01

Quant Time: Jul 18 11:58:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 12:41:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	206528	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	323021	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	296858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133532	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	110805	50.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.86%	
35) Dibromofluoromethane	5.50	113	101452	49.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.96%	
50) Toluene-d8	8.71	98	387534	50.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.13	95	131921	46.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.34%	

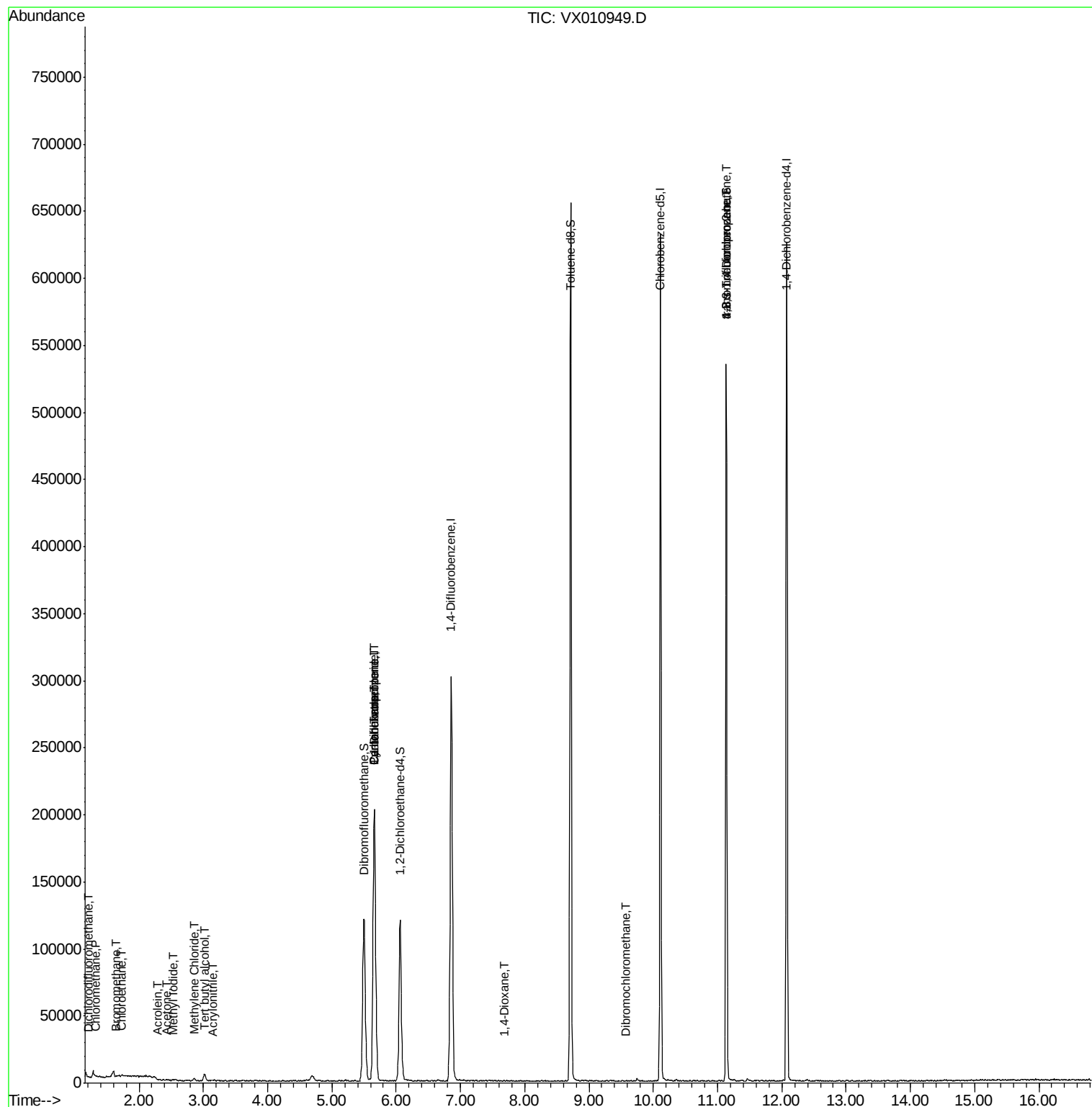
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	119	0.600	ug/l #	42
3) Chloromethane	1.32	50	514	0.271	ug/l	99
5) Bromomethane	1.65	94	585	0.536	ug/l	82
6) Chloroethane	1.72	64	509	0.413	ug/l #	79
10) Methyl Iodide	2.53	142	505	0.206	ug/l #	91
11) Tert butyl alcohol	3.01	59	3054	5.968	ug/l #	83
13) Acrolein	2.28	56	208	0.704	ug/l #	38
15) Acrylonitrile	3.14	53	219	0.212	ug/l #	32
16) Acetone	2.44	43	344	0.347	ug/l #	66
20) Methylene Chloride	2.86	84	558	0.265	ug/l #	83
31) Cyclohexane	5.67	56	4193	1.406	ug/l #	9
36) 1,1-Dichloropropene	5.66	75	13489	5.084	ug/l #	48
38) Carbon Tetrachloride	5.67	117	19237	6.958	ug/l #	15
49) 1,4-Dioxane	7.68	88	19	0.312	ug/l #	1
60) Dibromochloromethane	9.59	129	22	2.536	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	66496	26.857	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	66496	68.330	ug/l #	16

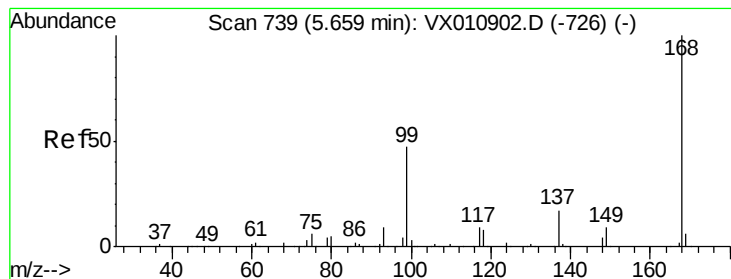
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX071819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010949.D

Acq: 18 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

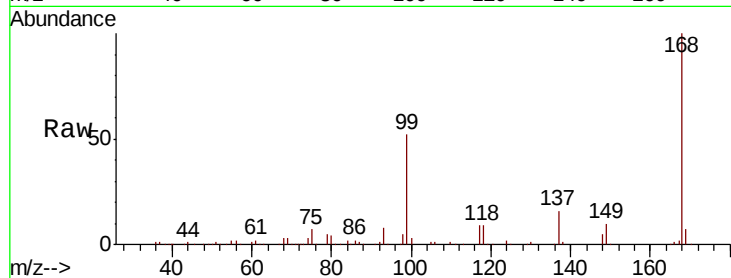
VX0718MBL01

Tgt Ion:168 Resp: 206528

Ion Ratio Lower Upper

168 100

99 51.7 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

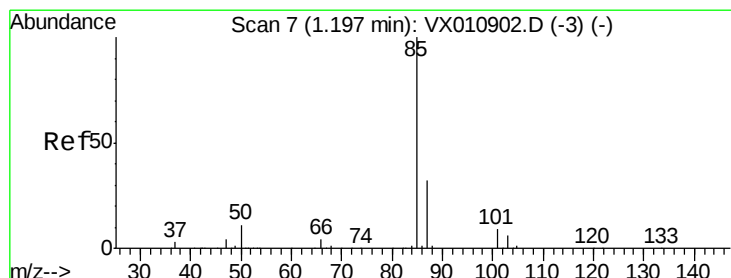
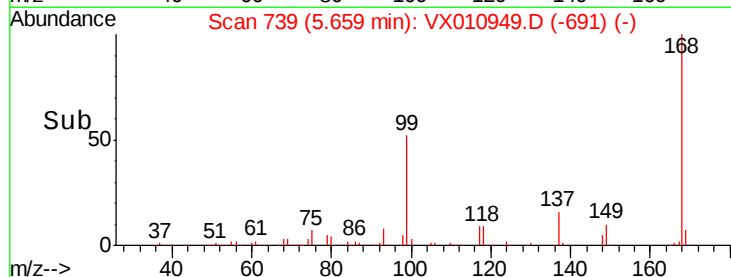
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.600 ug/l

RT: 1.21 min Scan# 9

Delta R.T. 0.01 min

Lab File: VX010949.D

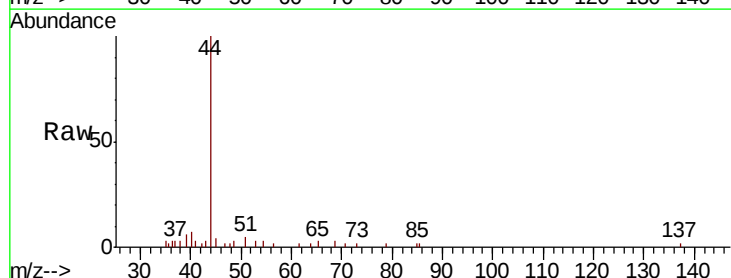
Acq: 18 Jul 2019 11:29

Tgt Ion: 85 Resp: 119

Ion Ratio Lower Upper

85 100

87 0.0 16.3 48.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

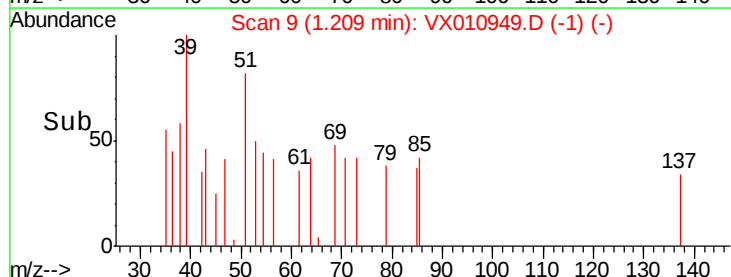
1.21

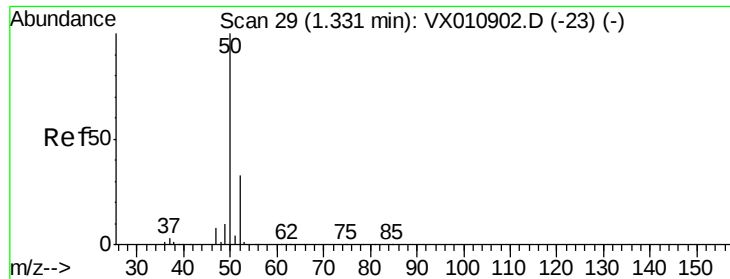
100

50

0

Time--> 1.18 1.20 1.22





#3

Chloromethane

Concen: 0.271 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010949.D

Acq: 18 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

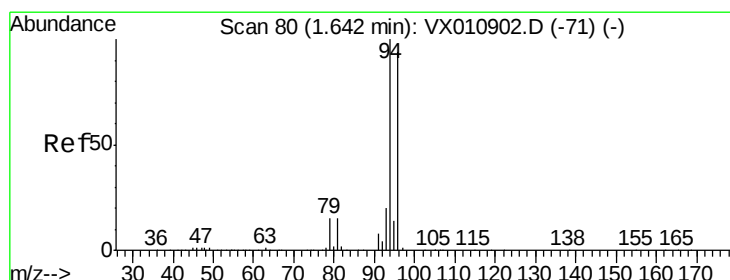
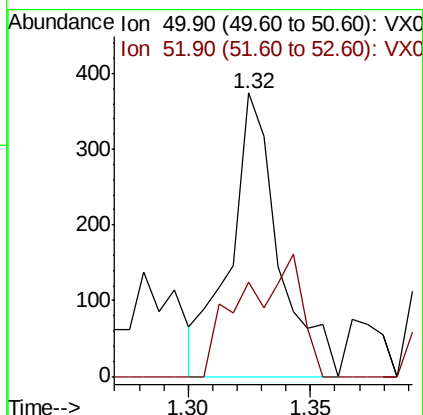
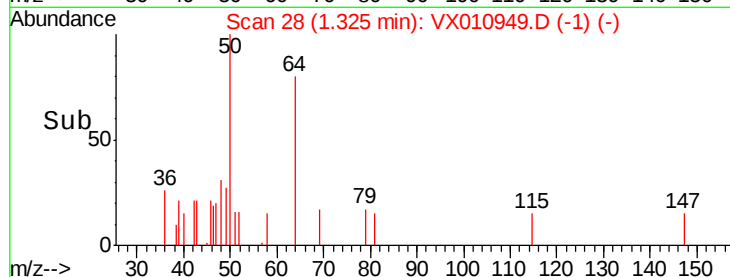
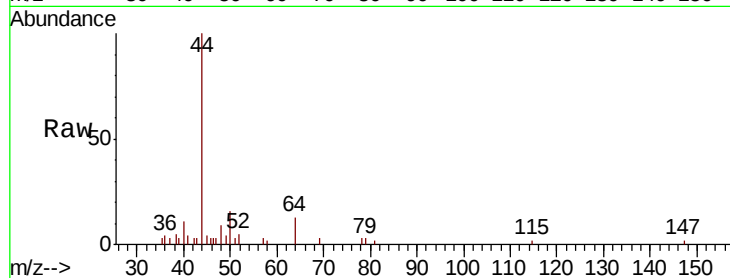
VX0718MBL01

Tgt Ion: 50 Resp: 514

Ion Ratio Lower Upper

50 100

52 33.4 26.5 39.7



#5

Bromomethane

Concen: 0.536 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010949.D

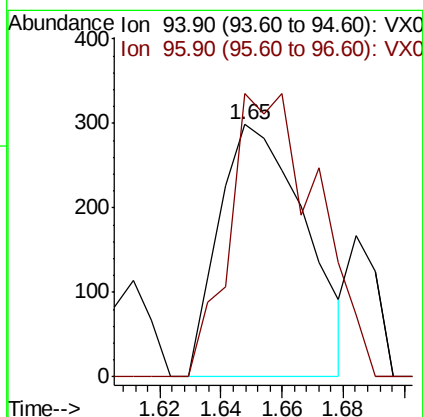
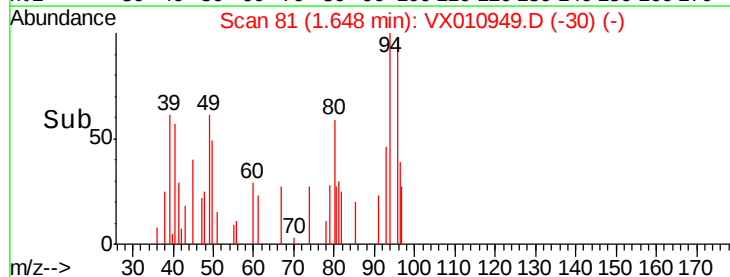
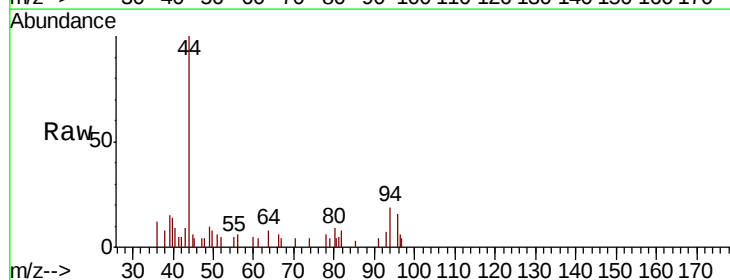
Acq: 18 Jul 2019 11:29

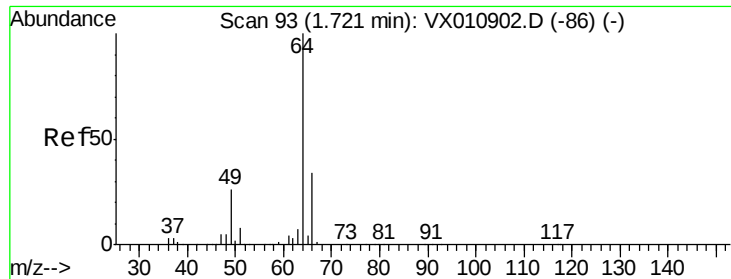
Tgt Ion: 94 Resp: 585

Ion Ratio Lower Upper

94 100

96 112.0 75.5 113.3





#6

Chloroethane

Concen: 0.413 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010949.D

Acq: 18 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

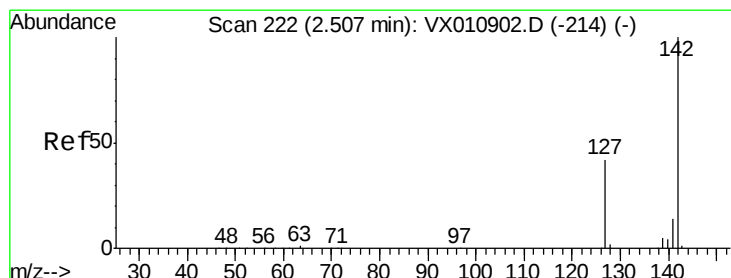
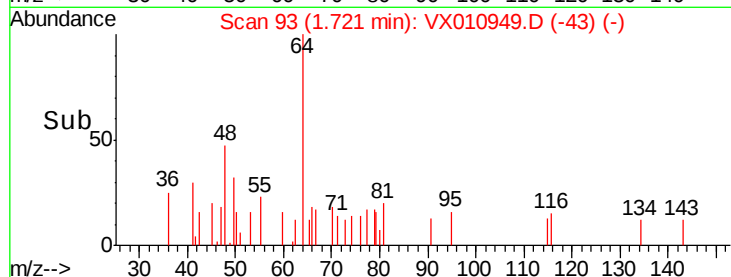
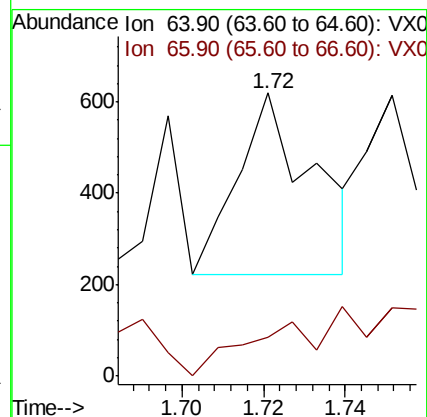
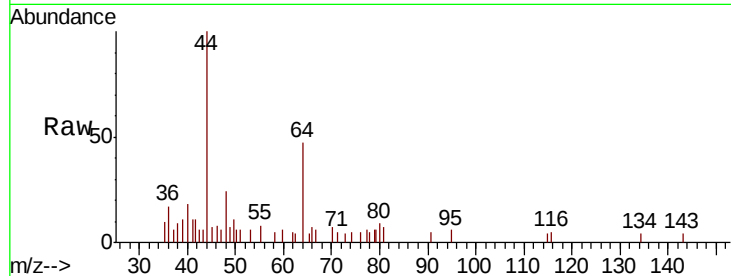
VX0718MBL01

Tgt Ion: 64 Resp: 509

Ion Ratio Lower Upper

64 100

66 21.6 26.6 40.0#



#10

Methyl Iodide

Concen: 0.206 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX010949.D

Acq: 18 Jul 2019 11:29

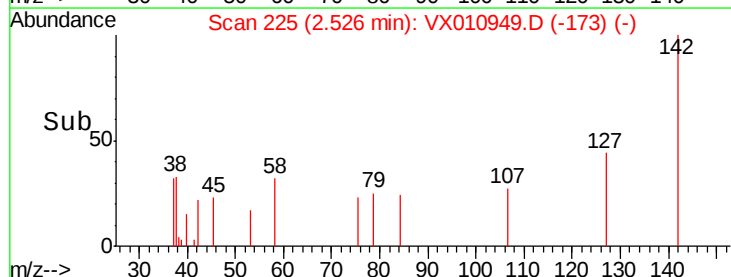
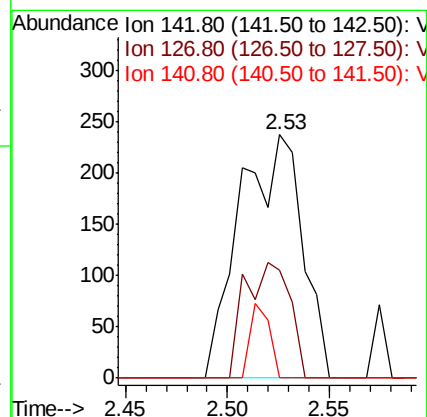
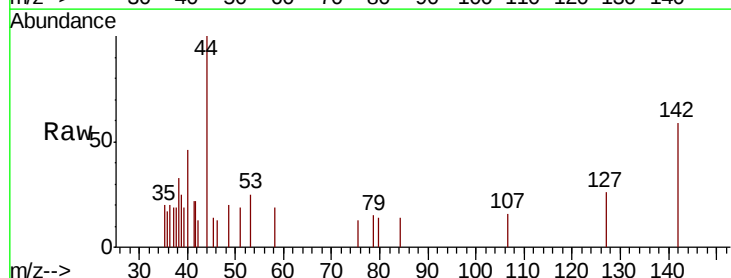
Tgt Ion: 142 Resp: 505

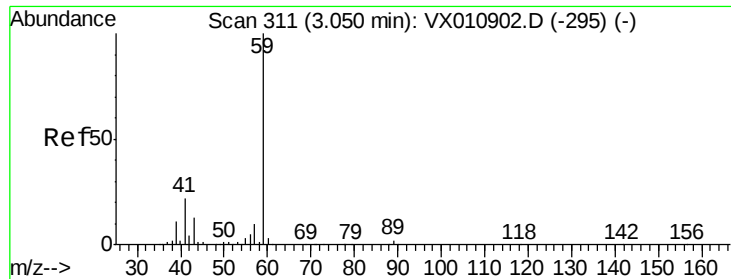
Ion Ratio Lower Upper

142 100

127 34.1 31.1 46.7

141 9.5 11.2 16.8#

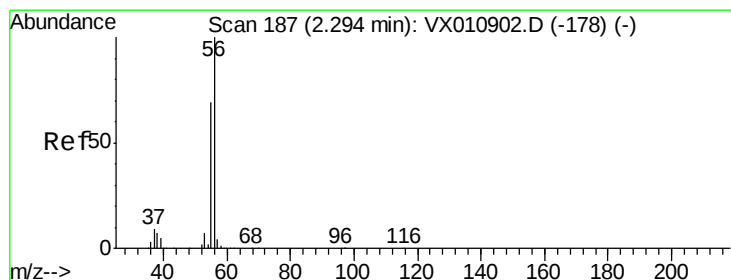
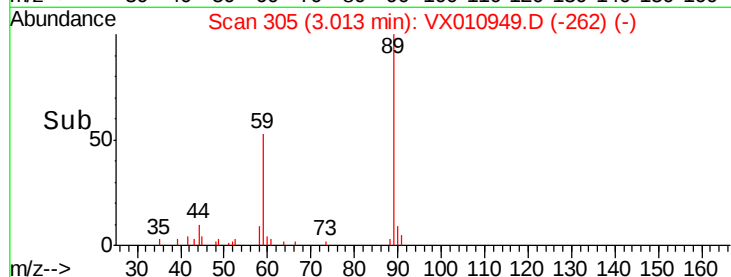
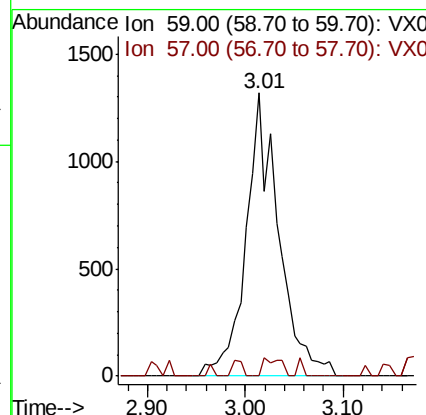
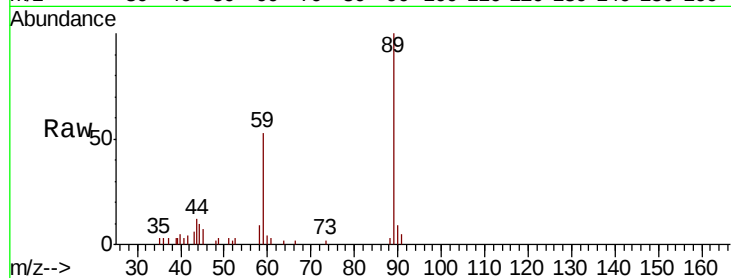




#11
Tert butyl alcohol
Concen: 5.968 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX010949.D
Acq: 18 Jul 2019 11:29

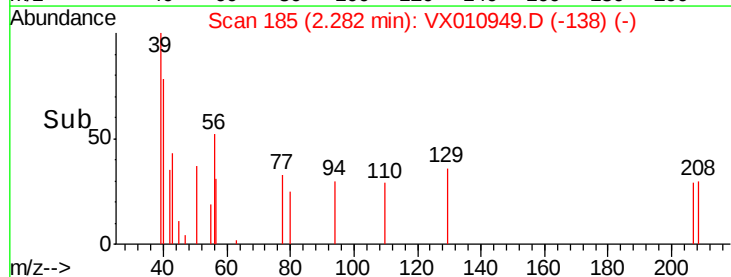
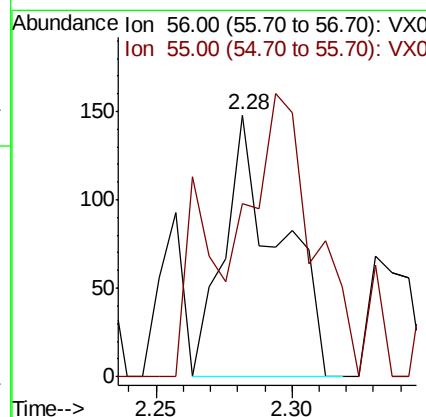
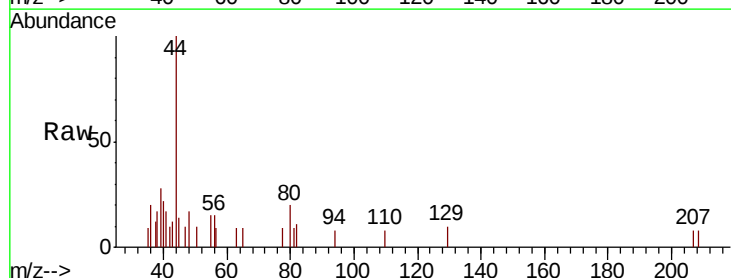
Instrument :
MSVOA_X
ClientSampled :
VX0718MBL01

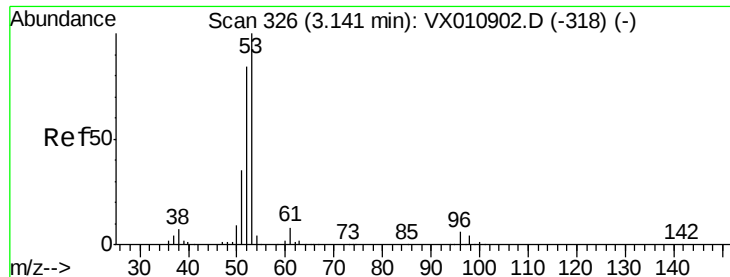
Tgt Ion: 59 Resp: 3054
Ion Ratio Lower Upper
59 100
57 3.5 7.7 11.5#



#13
Acrolein
Concen: 0.704 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX010949.D
Acq: 18 Jul 2019 11:29

Tgt Ion: 56 Resp: 208
Ion Ratio Lower Upper
56 100
55 122.1 56.9 85.3#





#15

Acrylonitrile

Concen: 0.212 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010949.D

Acq: 18 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampled :

VX0718MBL01

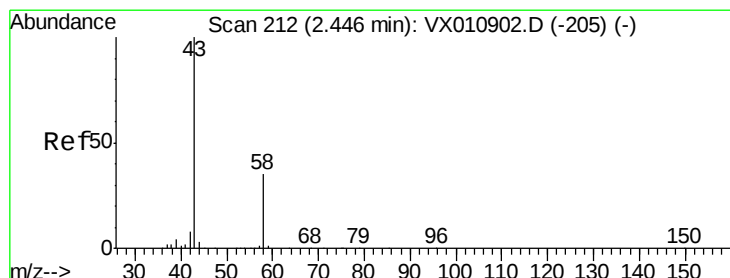
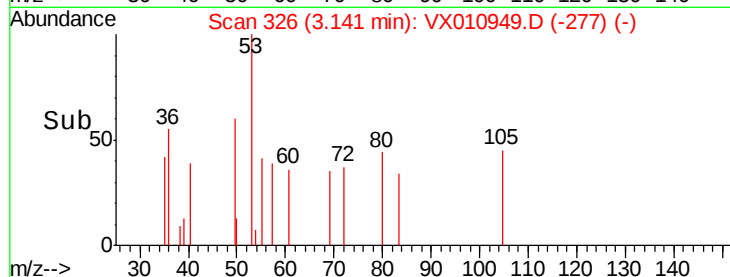
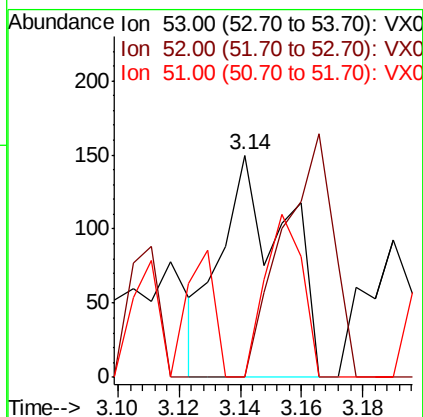
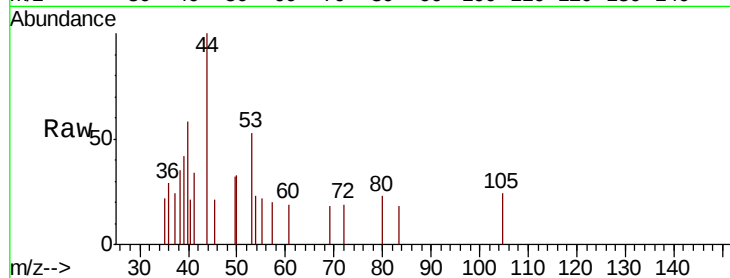
Tgt Ion: 53 Resp: 219

Ion Ratio Lower Upper

53 100

52 0.0 65.5 98.3#

51 42.9 28.2 42.4#



#16

Acetone

Concen: 0.347 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010949.D

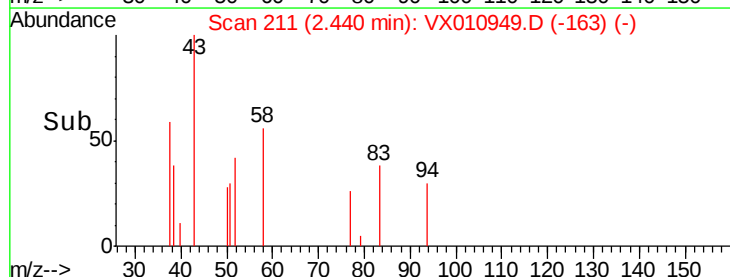
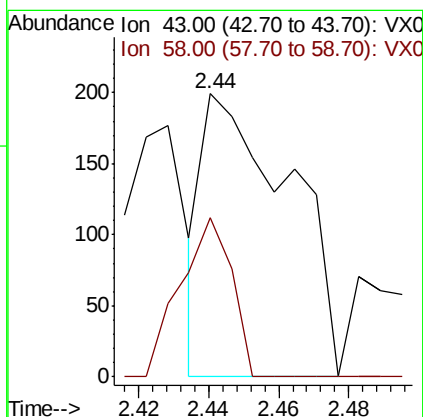
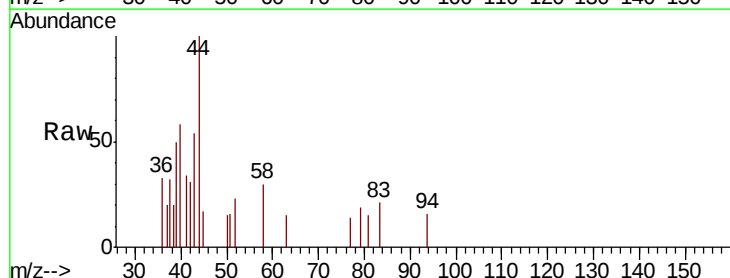
Acq: 18 Jul 2019 11:29

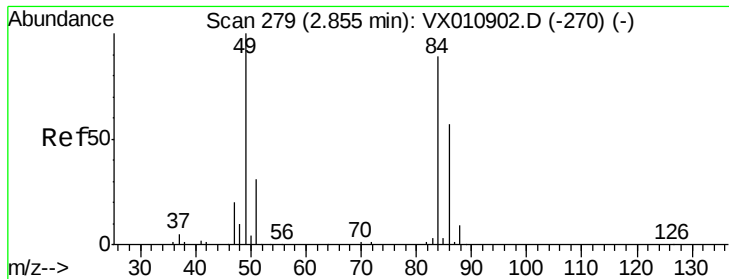
Tgt Ion: 43 Resp: 344

Ion Ratio Lower Upper

43 100

58 56.3 28.9 43.3#





#20

Methylene Chloride

Concen: 0.265 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX010949.D

Acq: 18 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0718MBL01

Tgt Ion: 84 Resp: 558

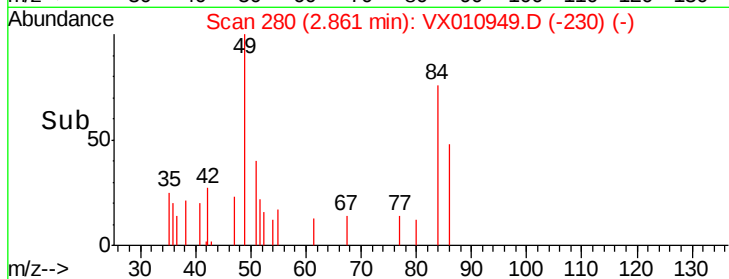
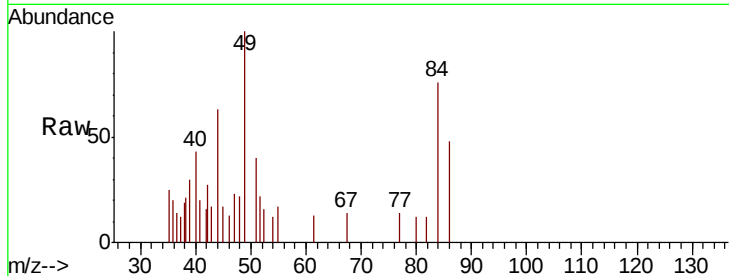
Ion Ratio Lower Upper

84 100

49 131.5 87.5 131.3#

51 52.2 27.7 41.5#

86 63.0 53.4 80.0

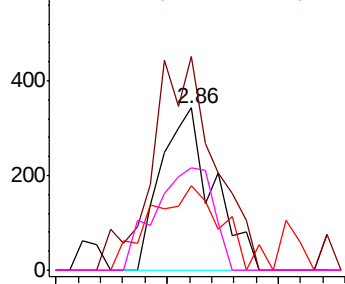


Abundance Ion 83.90 (83.60 to 84.60): VX0

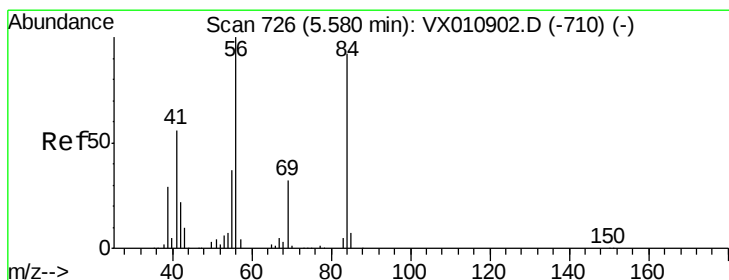
Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



Time-->



#31

Cyclohexane

Concen: 1.406 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX010949.D

Acq: 18 Jul 2019 11:29

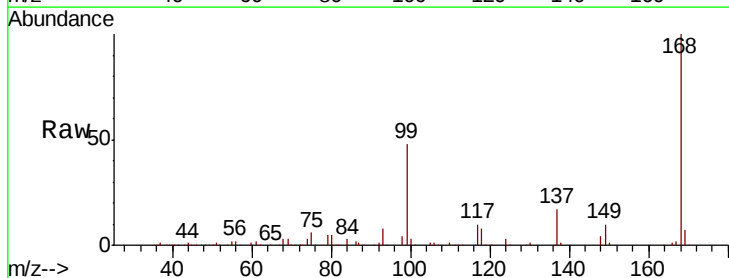
Tgt Ion: 56 Resp: 4193

Ion Ratio Lower Upper

56 100

69 154.7 25.9 38.9#

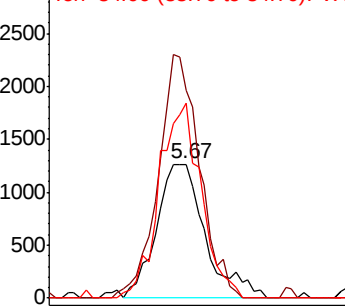
84 145.7 78.0 117.0#



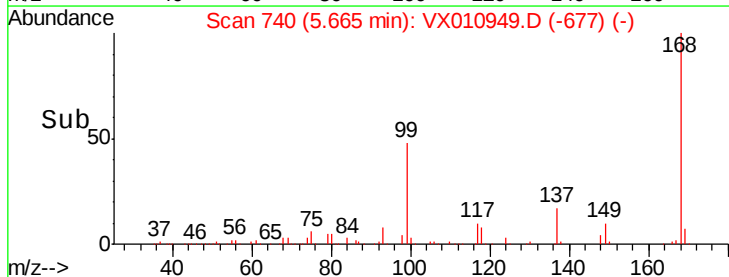
Abundance Ion 56.00 (55.70 to 56.70): VX0

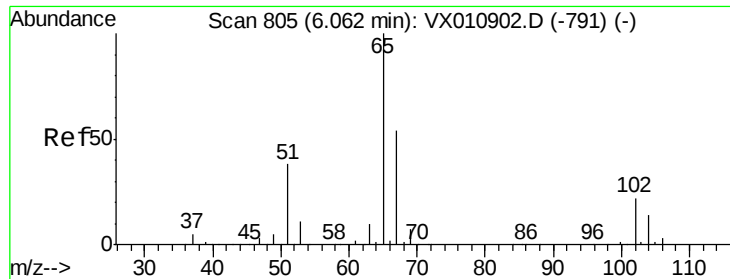
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time-->

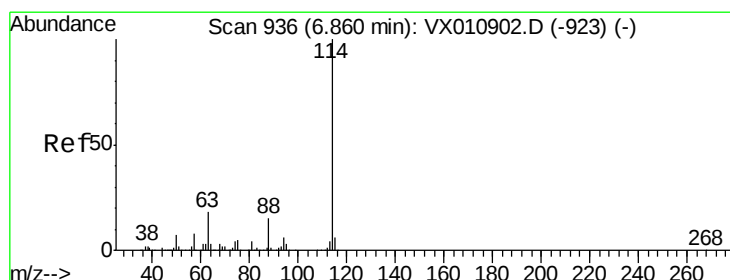
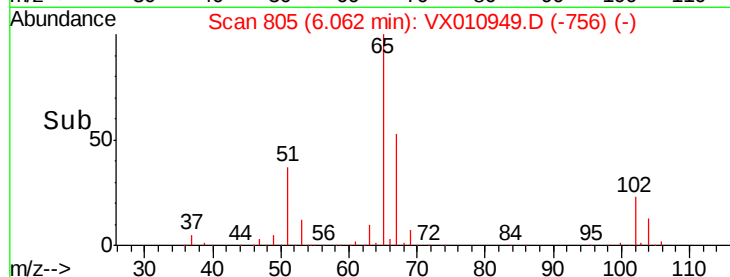
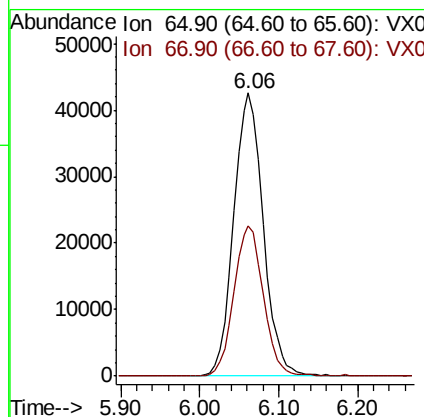
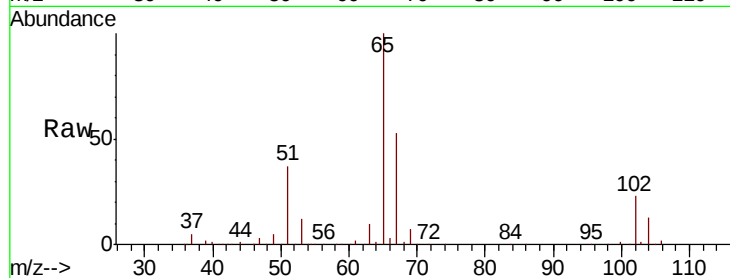




#33
 1,2-Dichloroethane-d4
 Concen: 50.431 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010949.D
 Acq: 18 Jul 2019 11:29

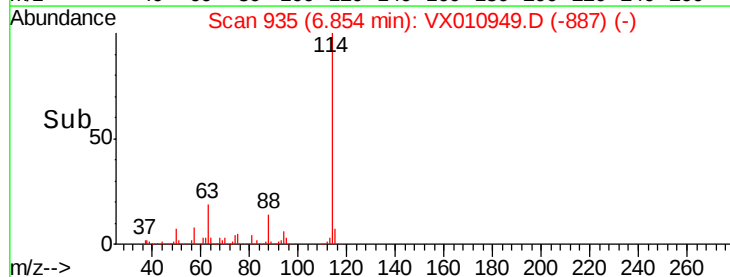
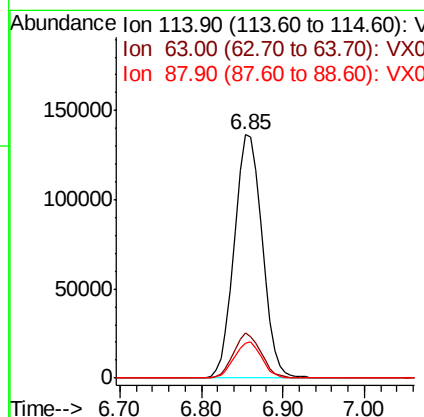
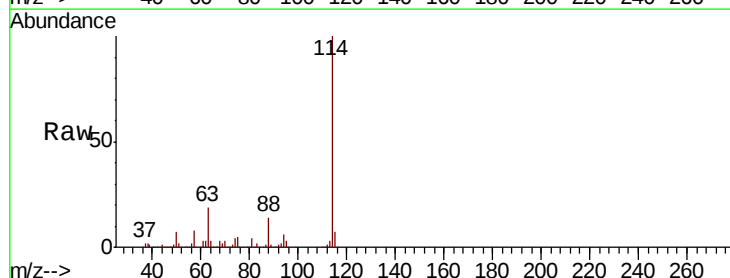
Instrument :
 MSVOA_X
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 VX0718MBL01

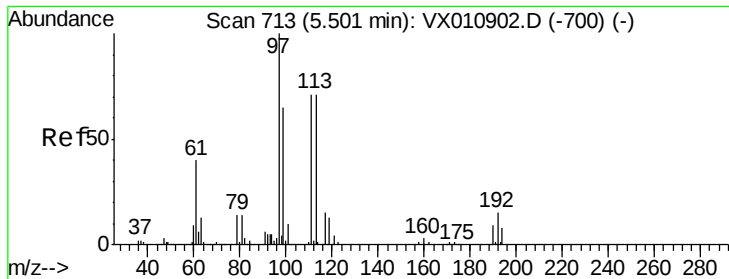
Tgt Ion: 65 Resp: 110805
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010949.D
 Acq: 18 Jul 2019 11:29

Tgt Ion: 114 Resp: 323021
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 33.8
 88 14.4 0.0 27.6





#35

Dibromofluoromethane

Concen: 49.482 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010949.D

Acq: 18 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0718MBL01

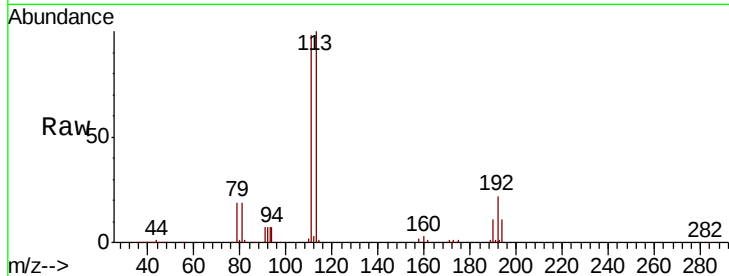
Tgt Ion: 113 Resp: 101452

Ion Ratio Lower Upper

113 100

111 101.7 81.2 121.8

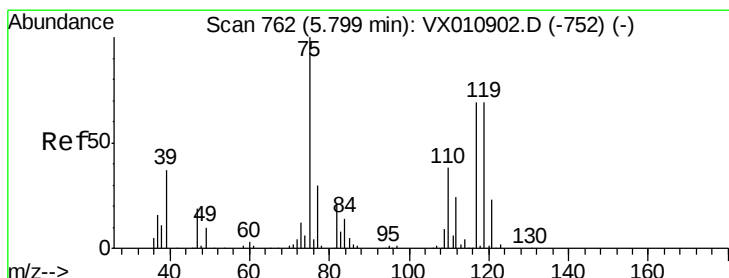
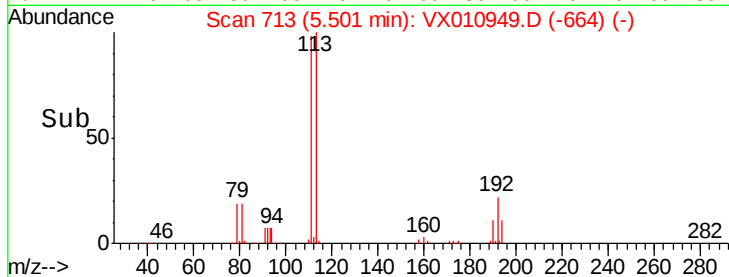
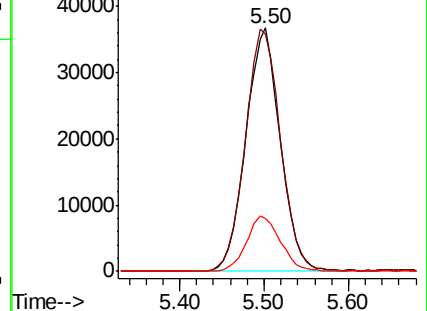
192 22.3 18.6 27.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.084 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010949.D

Acq: 18 Jul 2019 11:29

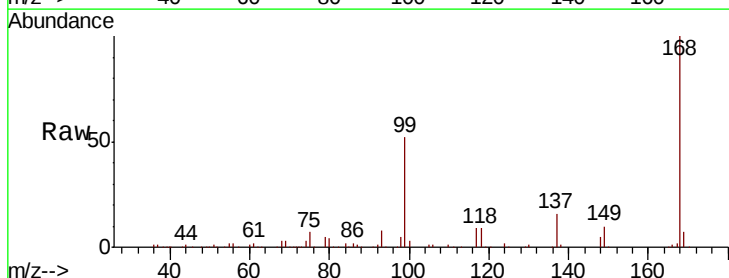
Tgt Ion: 75 Resp: 13489

Ion Ratio Lower Upper

75 100

110 11.6 20.8 62.2#

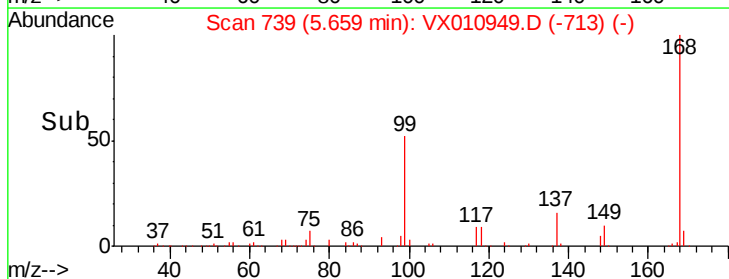
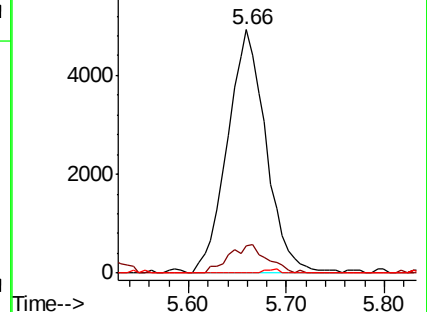
77 0.0 25.4 38.0#

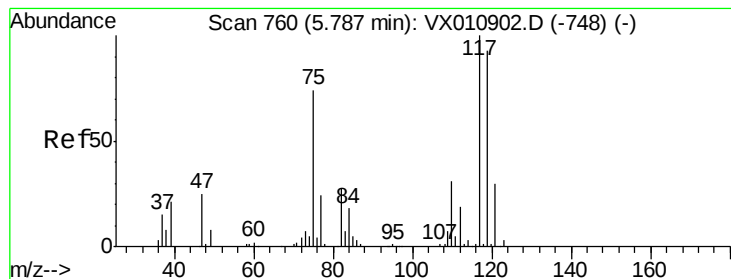


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.958 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010949.D

Acq: 18 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0718MBL01

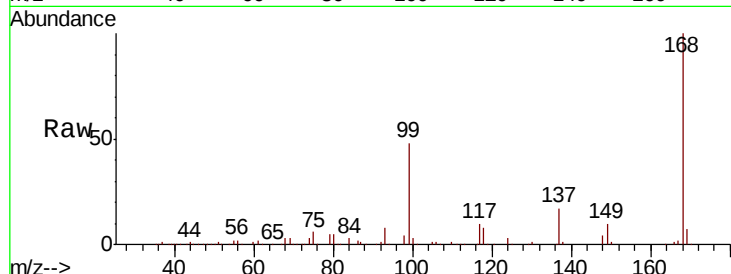
Tgt Ion:117 Resp: 19237

Ion Ratio Lower Upper

117 100

119 4.5 78.2 117.4#

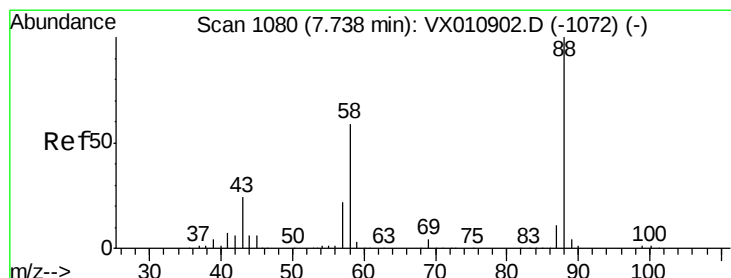
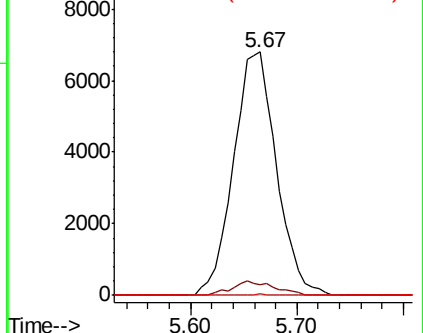
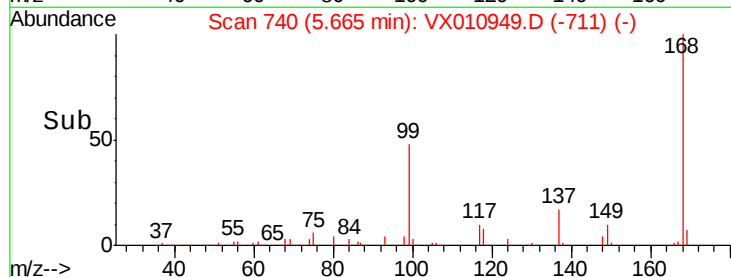
121 0.7 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 0.312 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.05 min

Lab File: VX010949.D

Acq: 18 Jul 2019 11:29

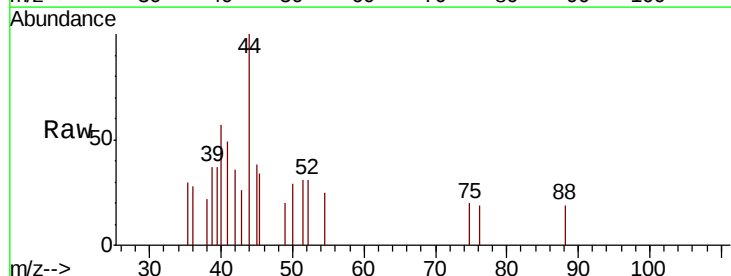
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.2#

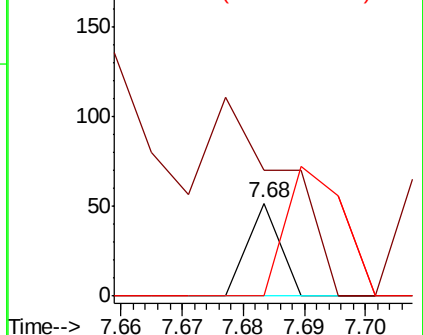
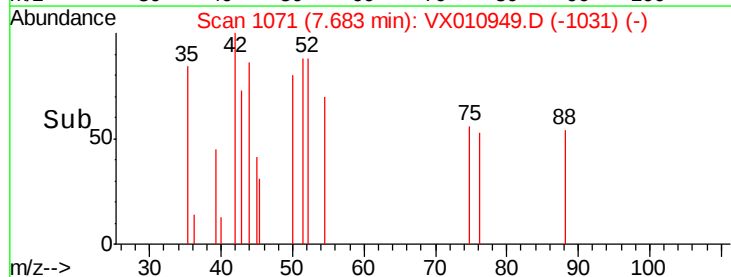
58 247.4 49.5 74.3#

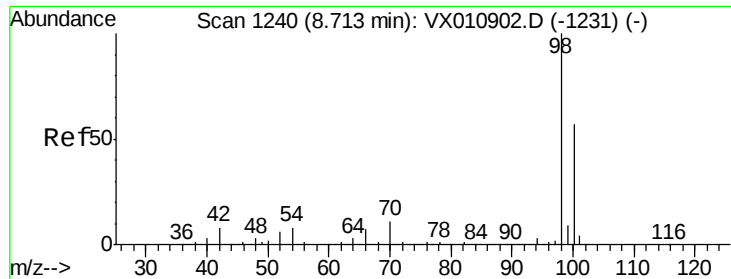


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

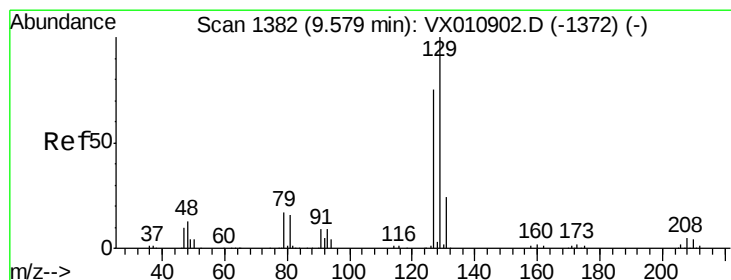
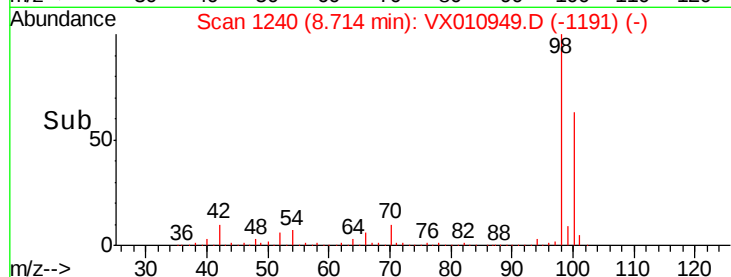
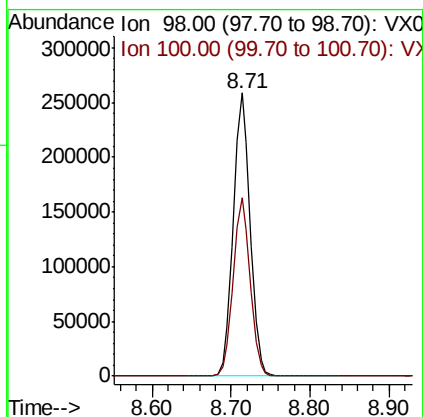
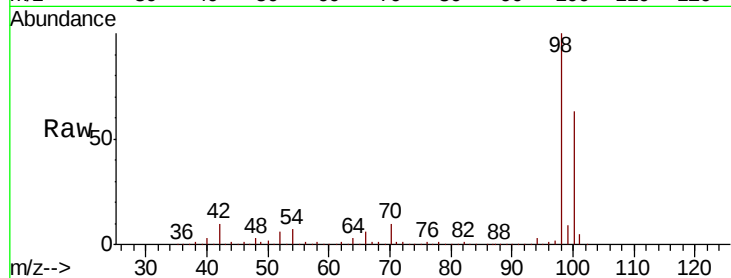




#50
Toluene-d8
Concen: 50.395 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010949.D
Acq: 18 Jul 2019 11:29

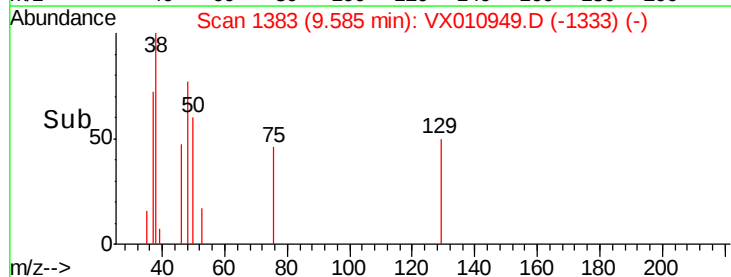
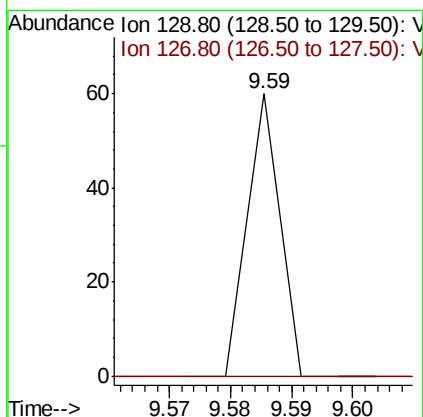
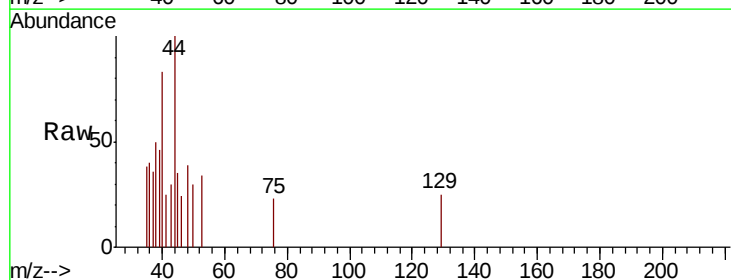
Instrument :
MSVOA_X
ClientSampleId :
VX0718MBL01

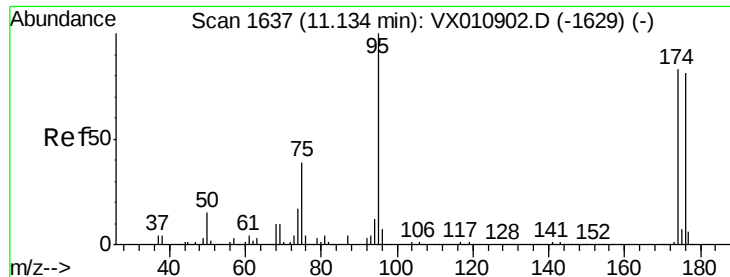
Tgt Ion: 98 Resp: 387534
Ion Ratio Lower Upper
98 100
100 63.3 51.6 77.4



#60
Dibromochloromethane
Concen: 2.536 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX010949.D
Acq: 18 Jul 2019 11:29

Tgt Ion: 129 Resp: 22
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#





#62

4-Bromofluorobenzene

Concen: 46.672 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010949.D

Acq: 18 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0718MBL01

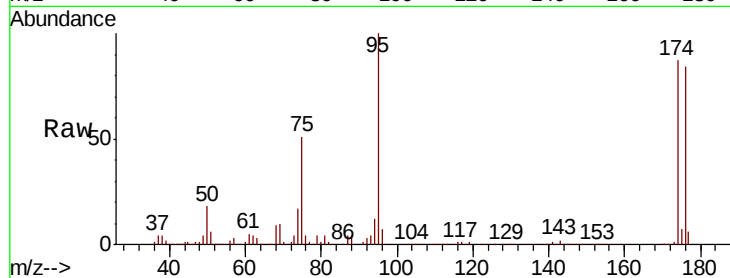
Tgt Ion: 95 Resp: 131921

Ion Ratio Lower Upper

95 100

174 91.7 0.0 187.6

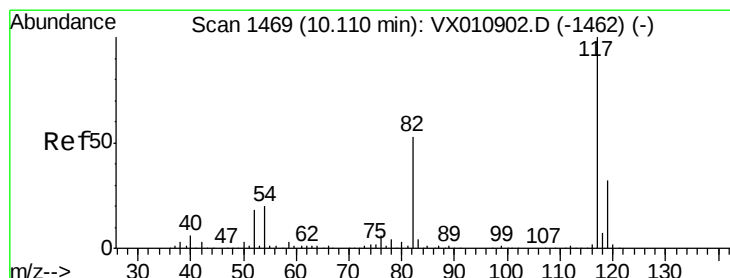
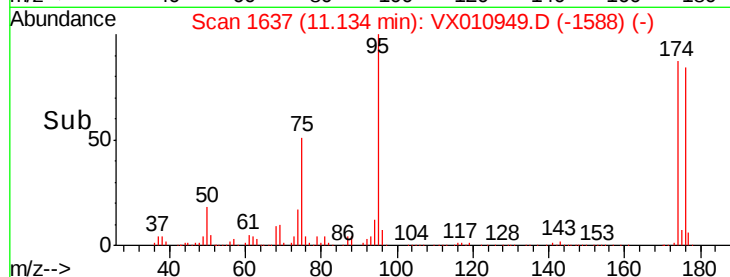
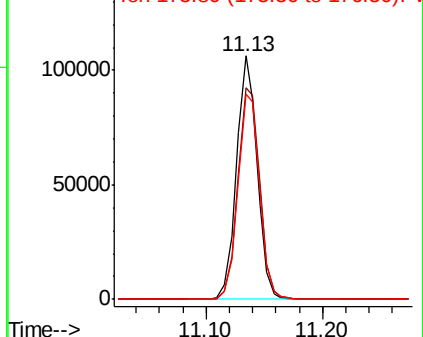
176 88.1 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010902.D (-1629) (-)

Ion 173.80 (173.50 to 174.50): VX010902.D (-1629) (-)

Ion 175.80 (175.50 to 176.50): VX010902.D (-1629) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010949.D

Acq: 18 Jul 2019 11:29

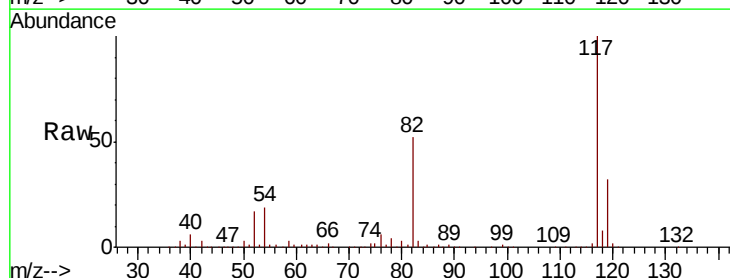
Tgt Ion: 117 Resp: 296858

Ion Ratio Lower Upper

117 100

82 52.3 41.2 61.8

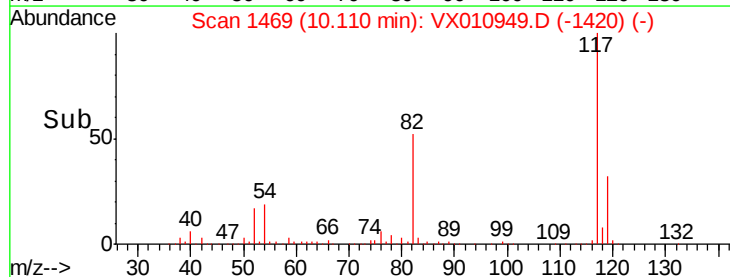
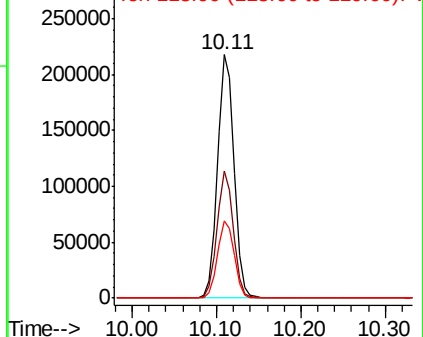
119 31.6 25.5 38.3

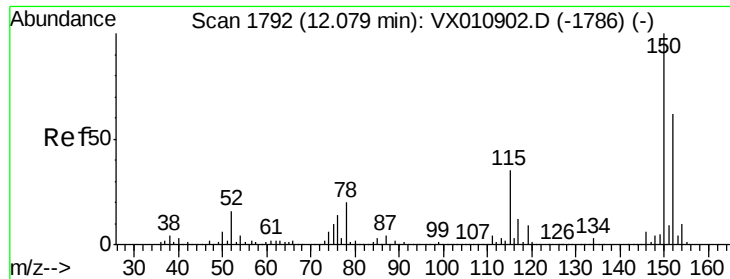


Abundance Ion 116.90 (116.60 to 117.60): VX010902.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010902.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010902.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: VX010949.D

Acq: 18 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0718MBL01

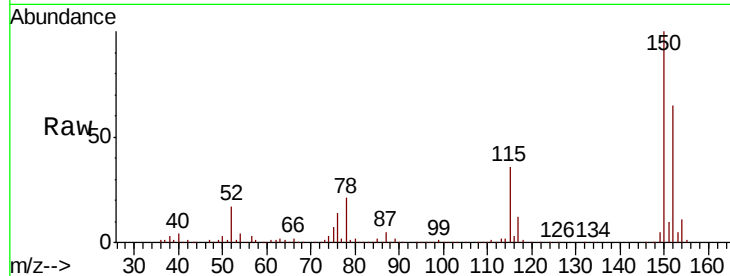
Tgt Ion:152 Resp: 133532

Ion Ratio Lower Upper

152 100

115 57.7 38.6 115.7

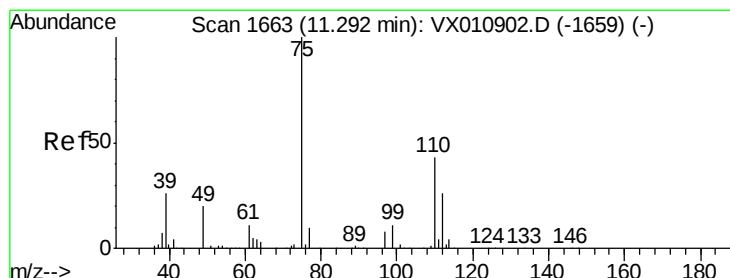
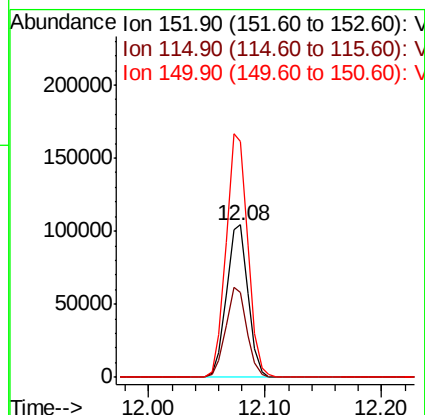
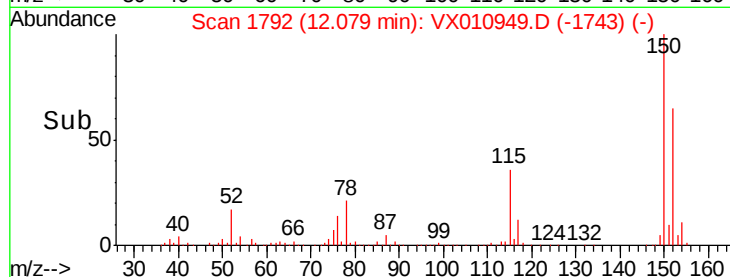
150 159.9 0.0 347.4



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: 26.857 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010949.D

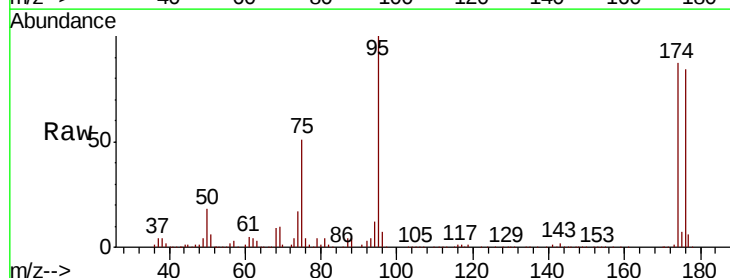
Acq: 18 Jul 2019 11:29

Tgt Ion: 75 Resp: 66496

Ion Ratio Lower Upper

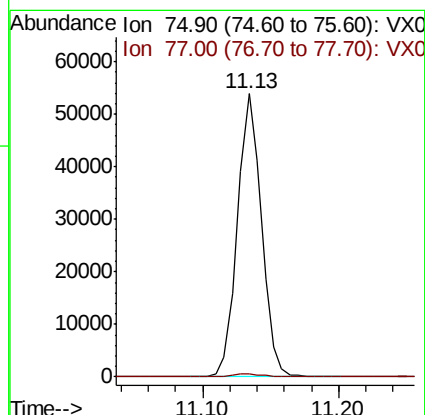
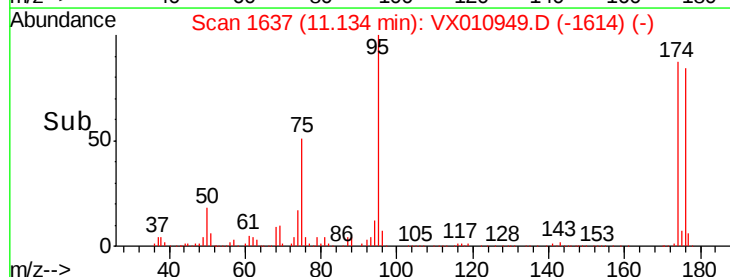
75 100

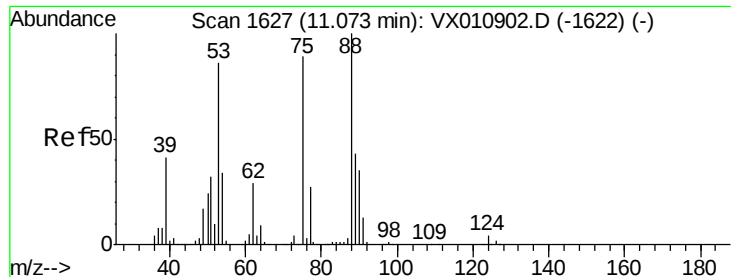
77 1.4 22.6 67.8#



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: 68.330 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010949.D

Acq: 18 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0718MBL01

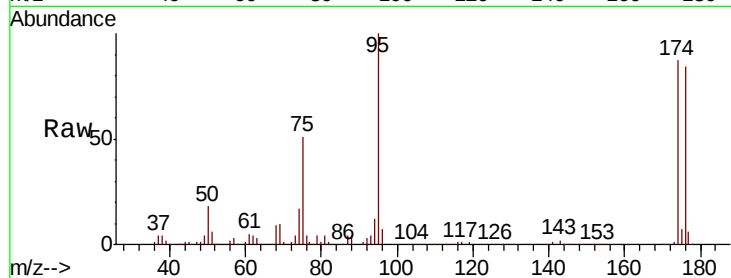
Tgt Ion: 75 Resp: 66496

Ion Ratio Lower Upper

75 100

53 0.3 66.1 99.1#

89 0.1 37.8 56.6#



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

