

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX073119\
 Data File : VX011243.D
 Acq On : 31 Jul 2019 15:20
 Operator : JC/SP
 Sample : VX0731WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731WBL01

Quant Time: Jul 31 15:39:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	238748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	344255	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	299841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	140695	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	121010	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
35) Dibromofluoromethane	5.49	113	103246	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	
50) Toluene-d8	8.71	98	394094	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
62) 4-Bromofluorobenzene	11.13	95	132736	44.06	ug/l	0.00
Spiked Amount			Recovery	=	88.12%	

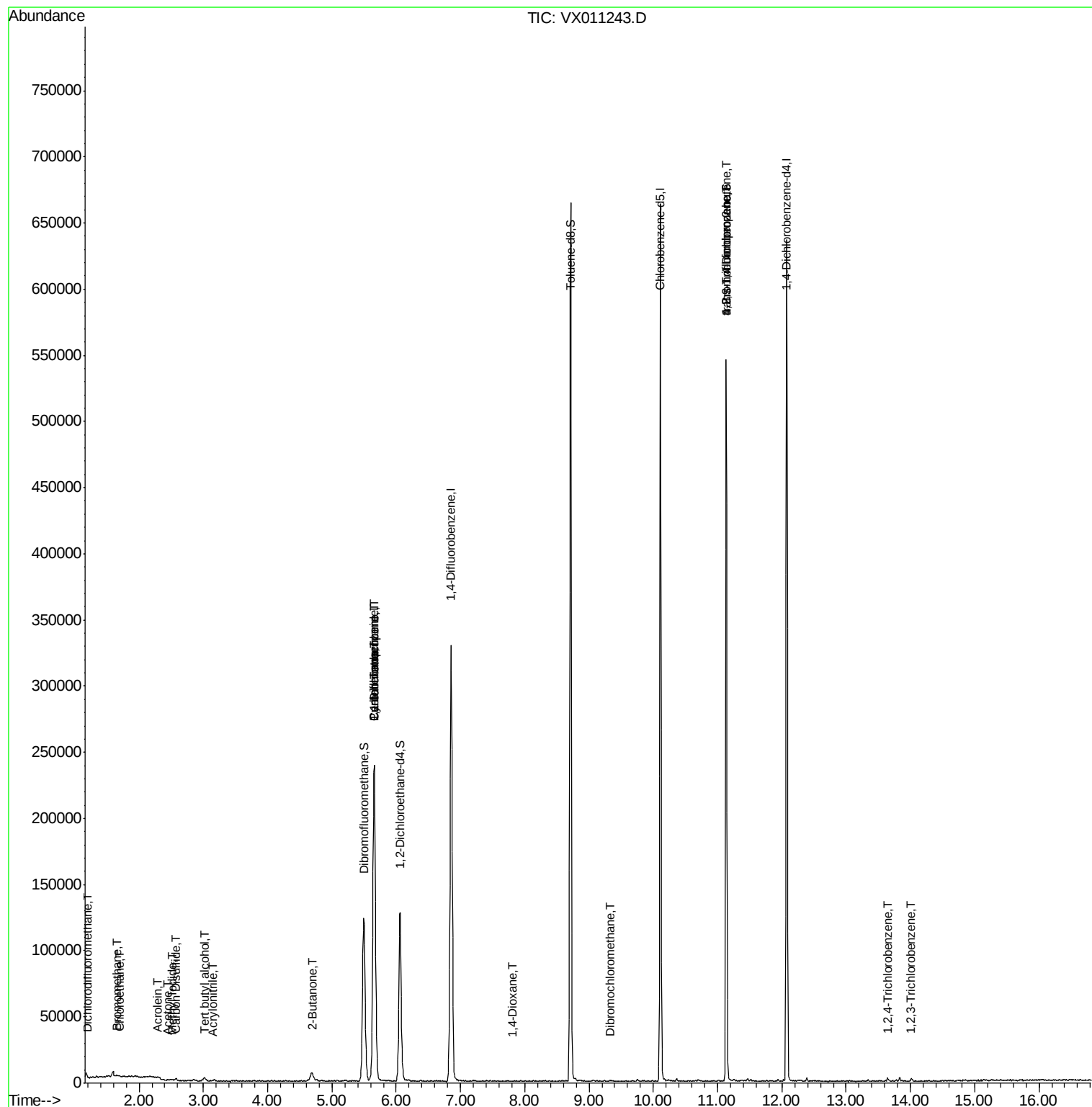
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	115	0.591	ug/l #	43
5) Bromomethane	1.65	94	816	0.647	ug/l #	74
6) Chloroethane	1.71	64	337	0.237	ug/l #	88
10) Methyl Iodide	2.52	142	878	0.309	ug/l #	83
11) Tert butyl alcohol	3.01	59	1658	2.803	ug/l #	80
13) Acrolein	2.28	56	302	0.884	ug/l #	15
15) Acrylonitrile	3.14	53	314	0.263	ug/l #	74
16) Acetone	2.45	43	824	0.718	ug/l	94
17) Carbon Disulfide	2.57	76	1461	0.268	ug/l #	69
25) 2-Butanone	4.71	43	814	0.494	ug/l #	87
31) Cyclohexane	5.65	56	4612	1.337	ug/l #	10
36) 1,1-Dichloropropene	5.65	75	16464	5.822	ug/l #	48
38) Carbon Tetrachloride	5.65	117	22317	7.574	ug/l #	17
49) 1,4-Dioxane	7.81	88	19	0.293	ug/l #	1
60) Dibromochloromethane	9.34	129	76	2.555	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	67616	26.632	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	67616	66.082	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.65	180	618	0.202	ug/l	94
96) 1,2,3-Trichlorobenzene	14.02	180	624	0.205	ug/l	96

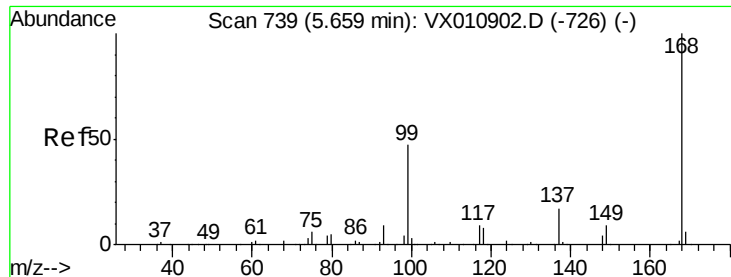
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX073119\
Data File : VX011243.D
Acq On : 31 Jul 2019 15:20
Operator : JC/SP
Sample : VX0731WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0731WBL01

Quant Time: Jul 31 15:39:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011243.D

Acq: 31 Jul 2019 15:20

Instrument :

MSVOA_X

ClientSampleId :

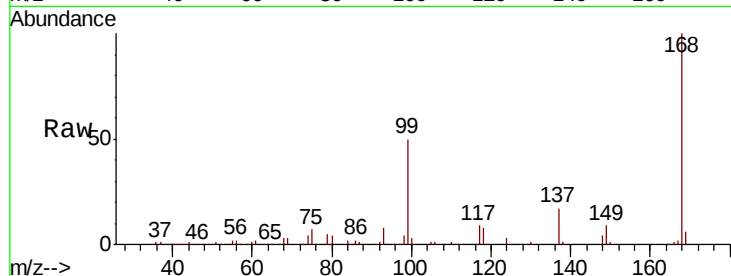
VX0731WBL01

Tgt Ion:168 Resp: 238748

Ion Ratio Lower Upper

168 100

99 50.3 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

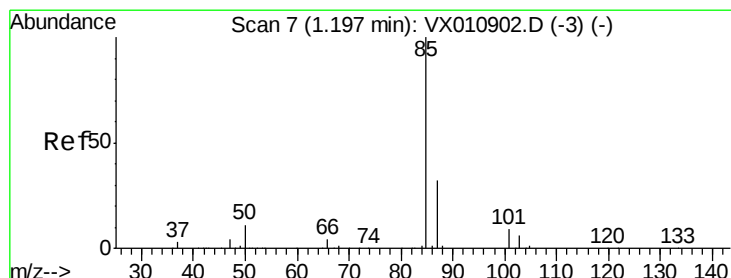
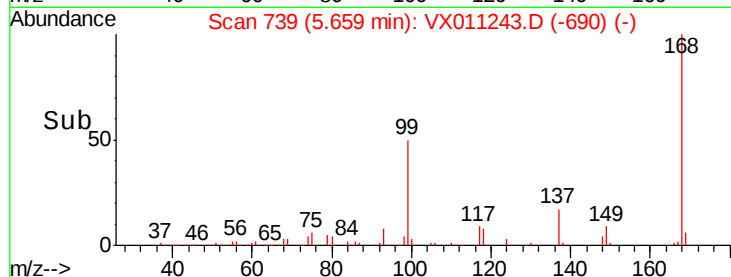
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.591 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX011243.D

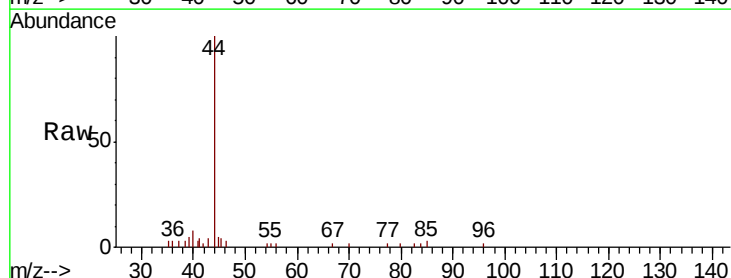
Acq: 31 Jul 2019 15:20

Tgt Ion: 85 Resp: 115

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80

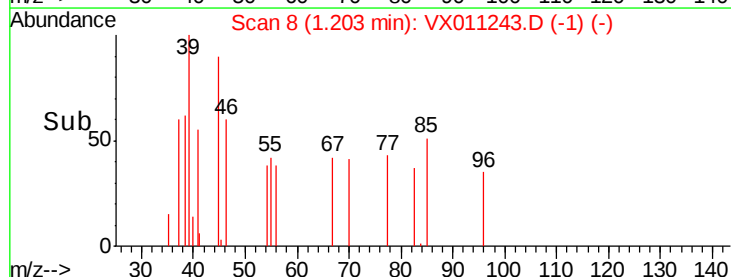
60

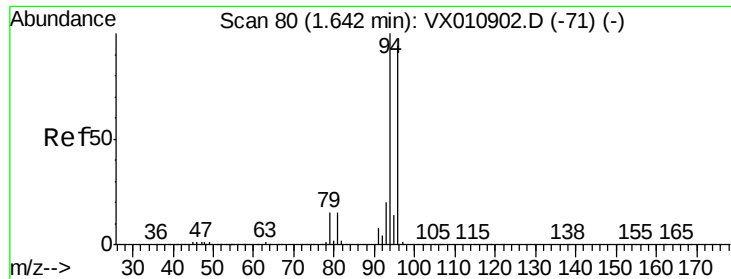
40

20

0

Time--> 1.16 1.18 1.20 1.22 1.24





#5

Bromomethane

Concen: 0.647 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX011243.D

Acq: 31 Jul 2019 15:20

Instrument :

MSVOA_X

ClientSampleId :

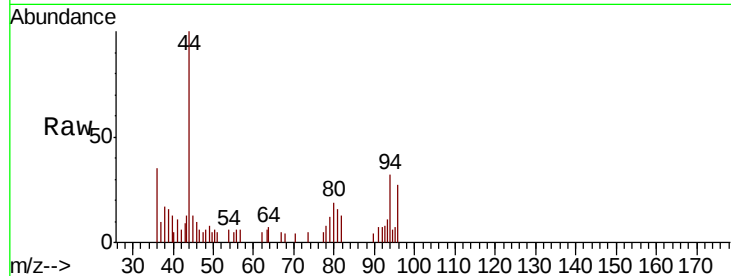
VX0731WBL01

Tgt Ion: 94 Resp: 816

Ion Ratio Lower Upper

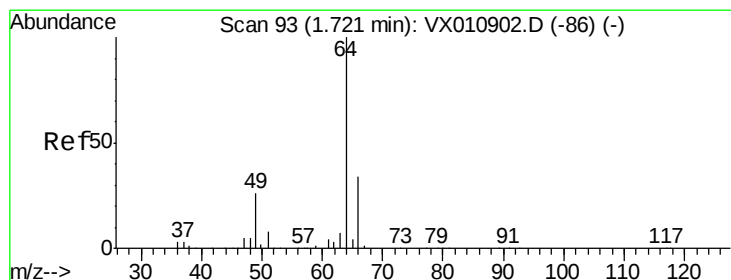
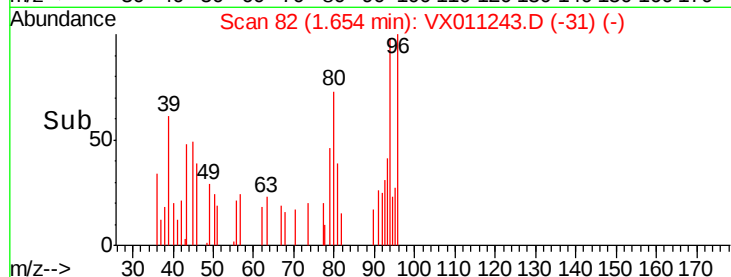
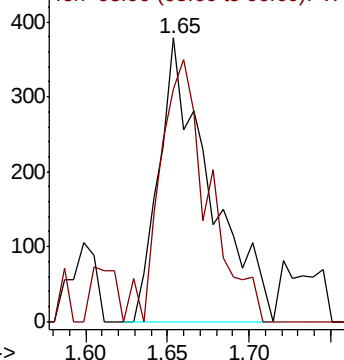
94 100

96 69.2 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.237 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011243.D

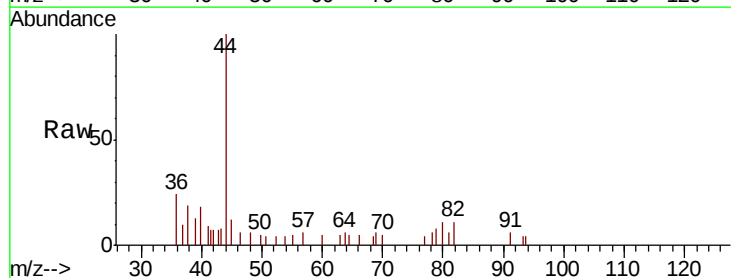
Acq: 31 Jul 2019 15:20

Tgt Ion: 64 Resp: 337

Ion Ratio Lower Upper

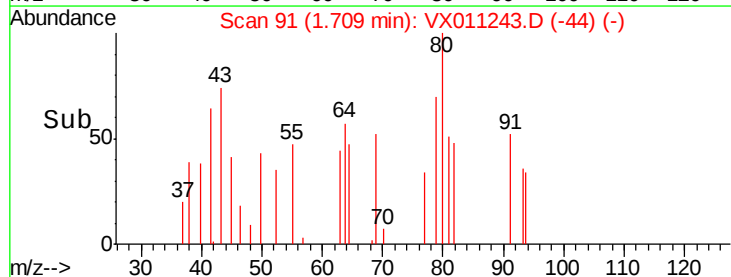
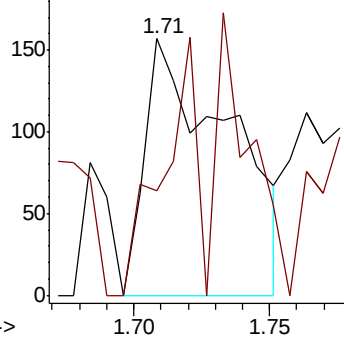
64 100

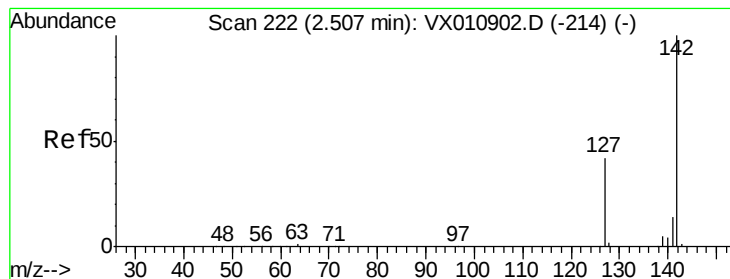
66 40.8 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methyl Iodide

Concen: 0.309 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX011243.D

Acq: 31 Jul 2019 15:20

Instrument :

MSVOA_X

ClientSampleId :

VX0731WBL01

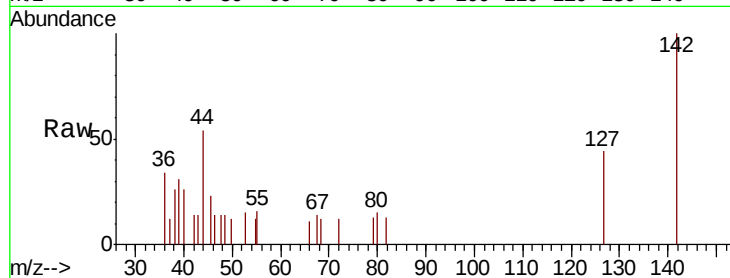
Tgt Ion: 142 Resp: 878

Ion Ratio Lower Upper

142 100

127 49.8 34.2 51.4

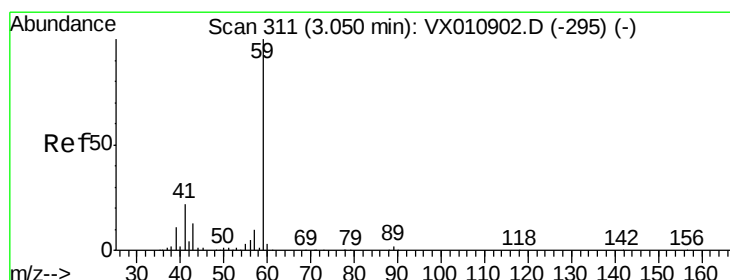
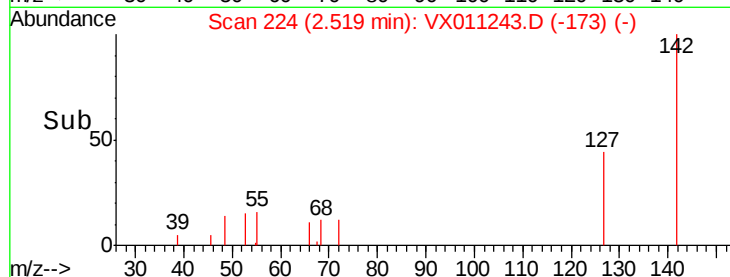
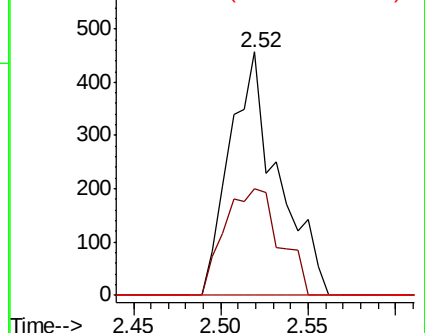
141 0.0 11.7 17.5#



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: 2.803 ug/l

RT: 3.01 min Scan# 304

Delta R.T. -0.04 min

Lab File: VX011243.D

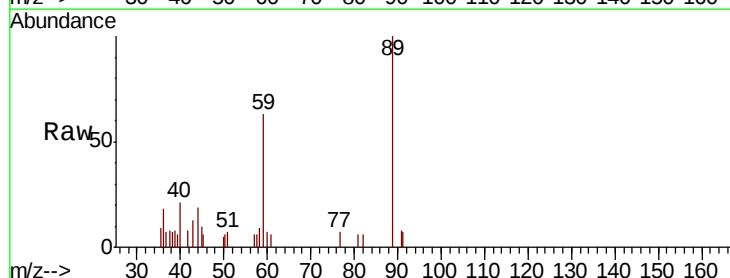
Acq: 31 Jul 2019 15:20

Tgt Ion: 59 Resp: 1658

Ion Ratio Lower Upper

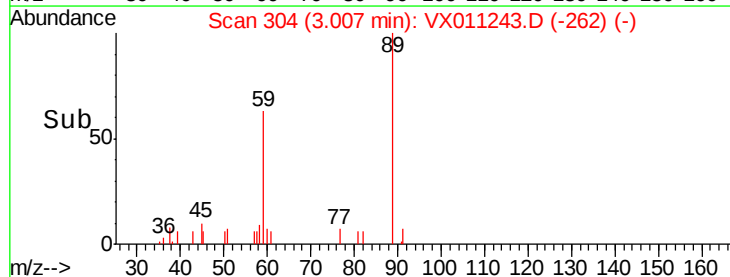
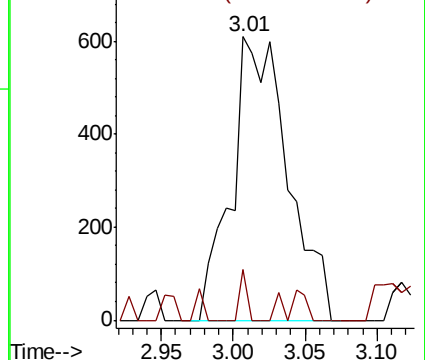
59 100

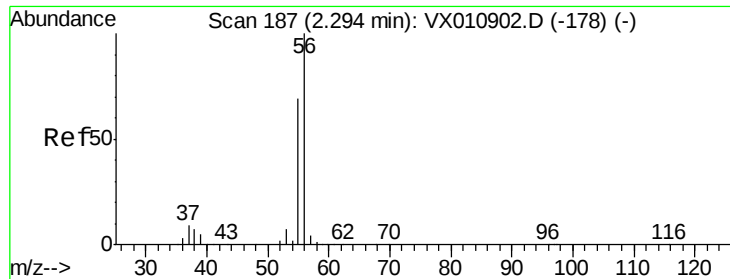
57 2.4 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.884 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX011243.D

Acq: 31 Jul 2019 15:20

Instrument :

MSVOA_X

ClientSampled :

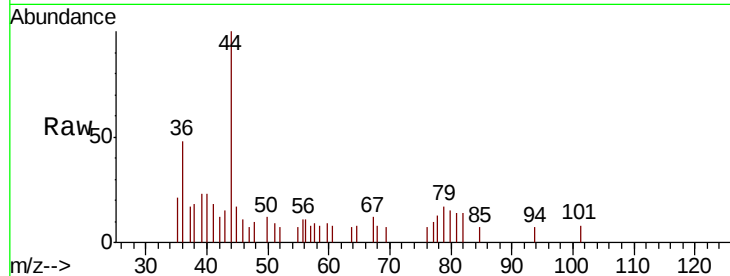
VX0731WBL01

Tgt Ion: 56 Resp: 302

Ion Ratio Lower Upper

56 100

55 0.0 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

150

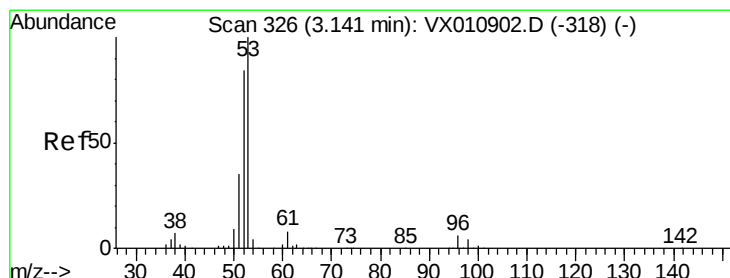
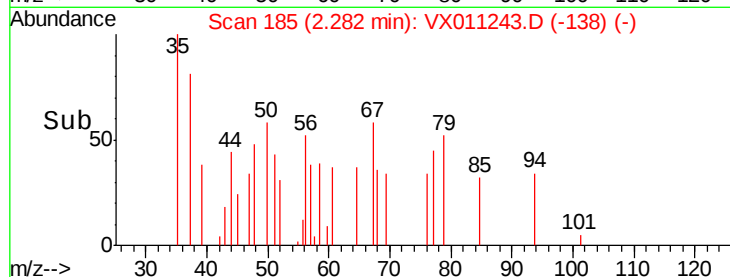
100

50

0

2.25 2.30

Time-->



#15

Acrylonitrile

Concen: 0.263 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX011243.D

Acq: 31 Jul 2019 15:20

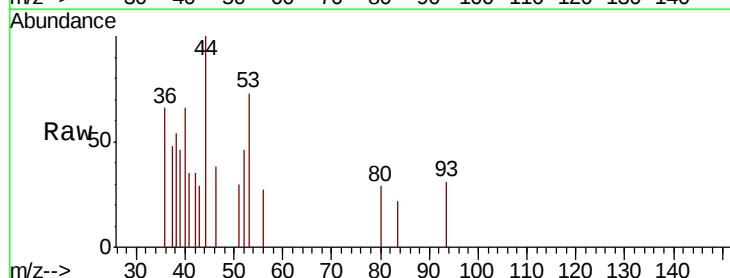
Tgt Ion: 53 Resp: 314

Ion Ratio Lower Upper

53 100

52 52.5 66.5 99.7#

51 30.3 28.2 42.4



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

250

200

150

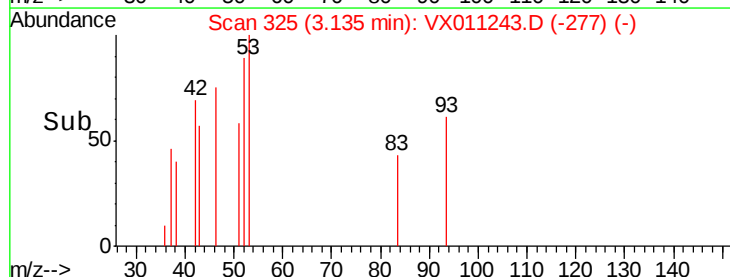
100

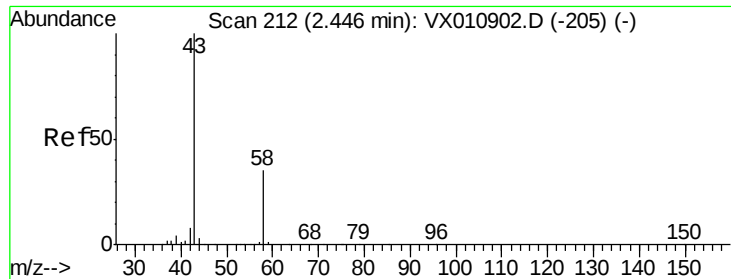
50

0

3.10 3.12 3.14 3.16

Time-->





#16

Acetone

Concen: 0.718 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX011243.D

Acq: 31 Jul 2019 15:20

Instrument :

MSVOA_X

ClientSampleId :

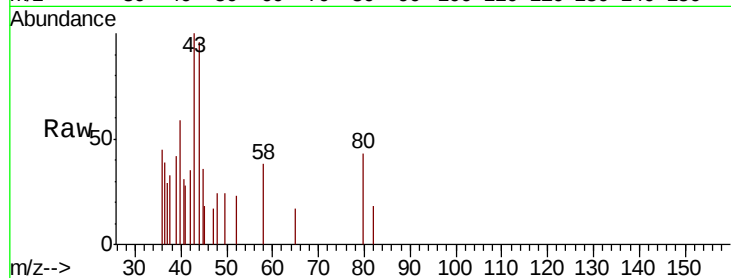
VX0731WBL01

Tgt Ion: 43 Resp: 824

Ion Ratio Lower Upper

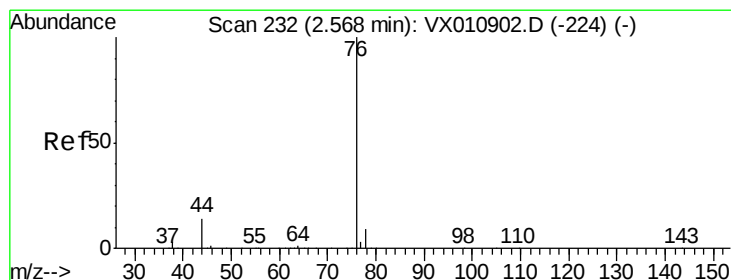
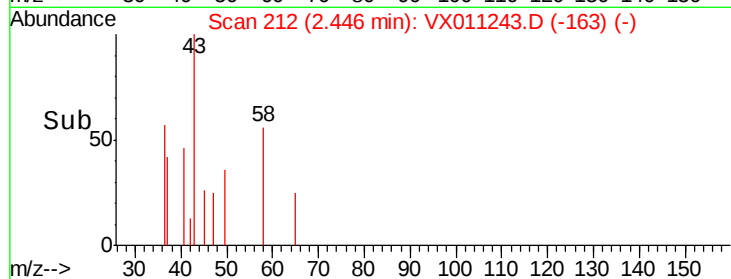
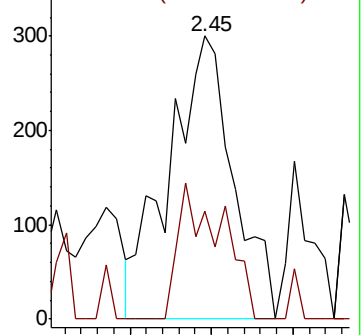
43 100

58 38.0 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.268 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX011243.D

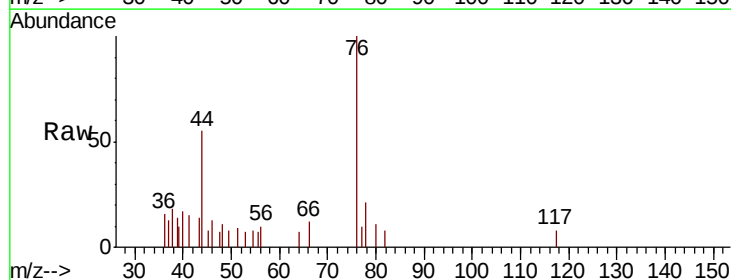
Acq: 31 Jul 2019 15:20

Tgt Ion: 76 Resp: 1461

Ion Ratio Lower Upper

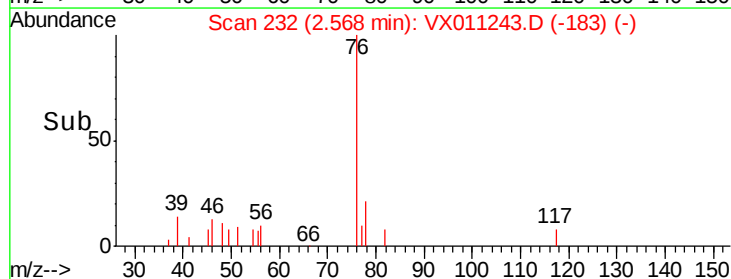
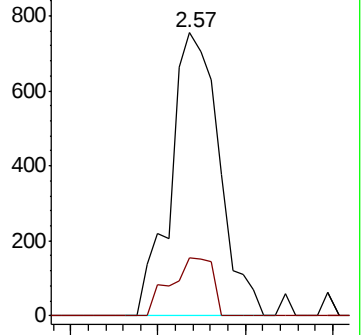
76 100

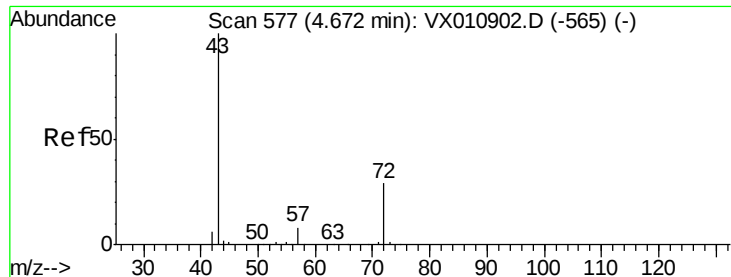
78 20.5 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#25

2-Butanone

Concen: 0.494 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.04 min

Lab File: VX011243.D

Acq: 31 Jul 2019 15:20

Instrument :

MSVOA_X

ClientSampled :

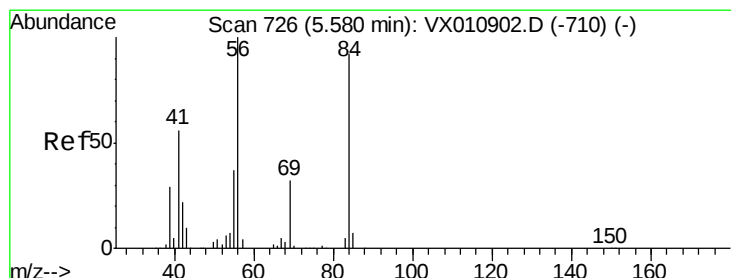
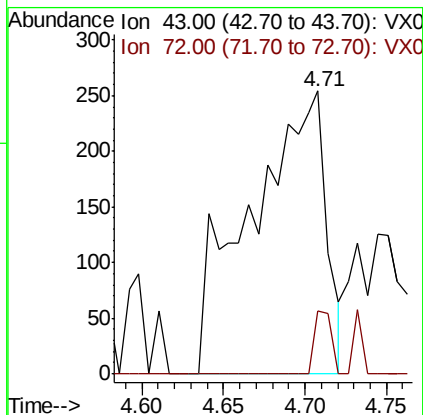
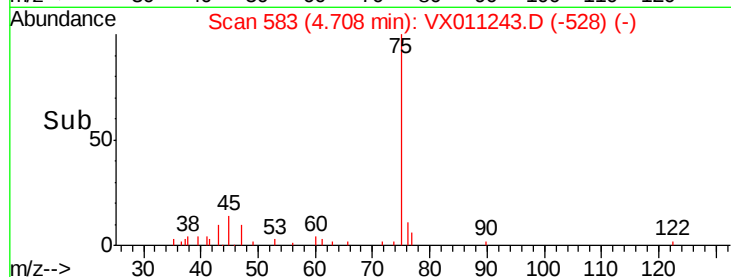
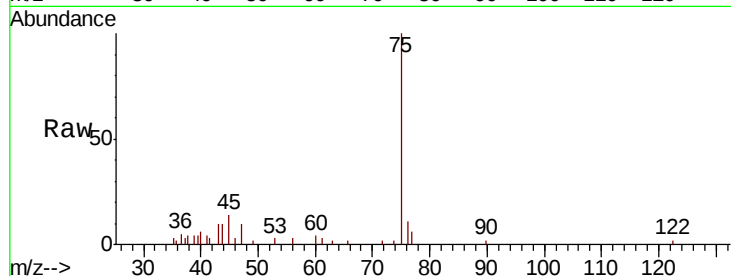
VX0731WBL01

Tgt Ion: 43 Resp: 814

Ion Ratio Lower Upper

43 100

72 22.0 23.0 34.6#



#31

Cyclohexane

Concen: 1.337 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX011243.D

Acq: 31 Jul 2019 15:20

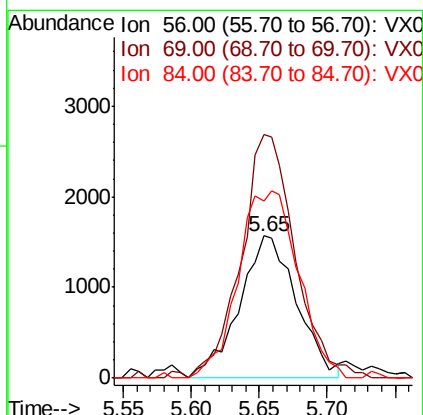
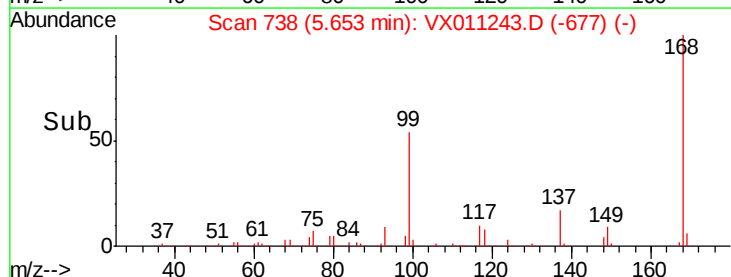
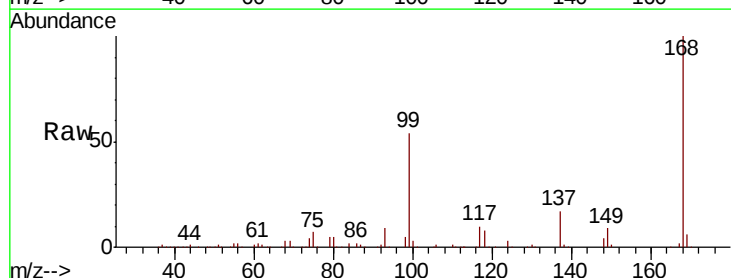
Tgt Ion: 56 Resp: 4612

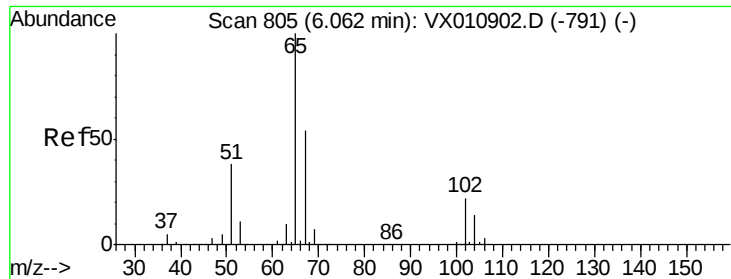
Ion Ratio Lower Upper

56 100

69 171.5 25.8 38.8#

84 124.8 73.8 110.6#





#33

1,2-Dichloroethane-d4

Concen: 47.643 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011243.D

Acq: 31 Jul 2019 15:20

Instrument :

MSVOA_X

ClientSampleId :

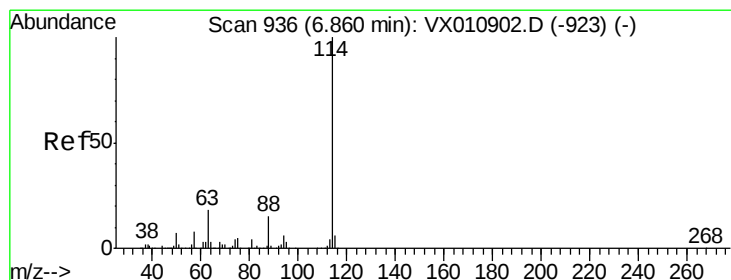
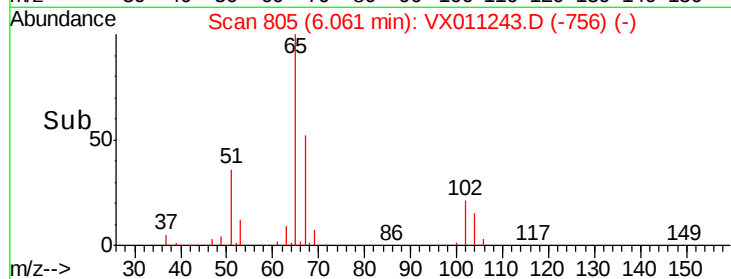
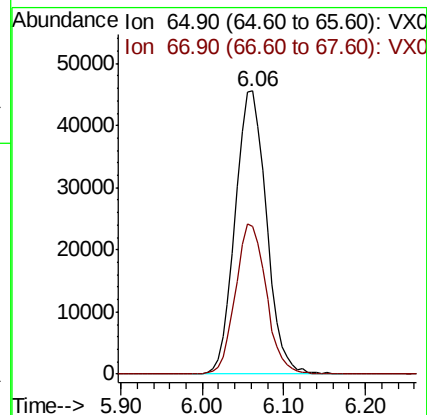
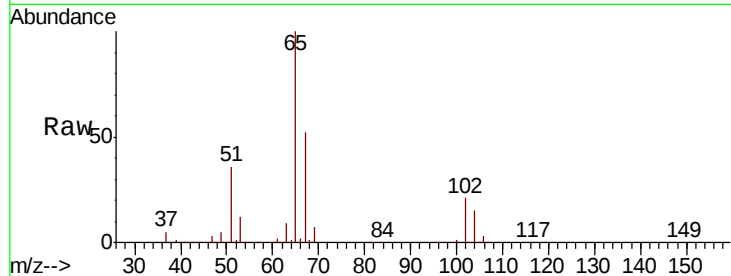
VX0731WBL01

Tgt Ion: 65 Resp: 121010

Ion Ratio Lower Upper

65 100

67 52.0 0.0 107.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX011243.D

Acq: 31 Jul 2019 15:20

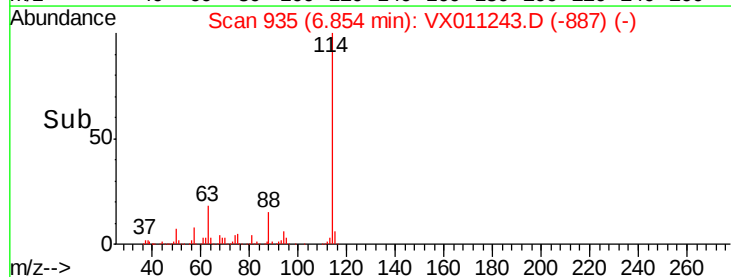
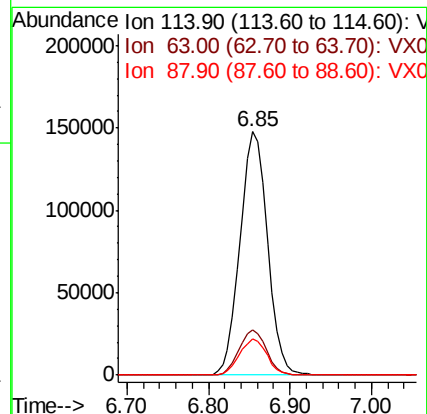
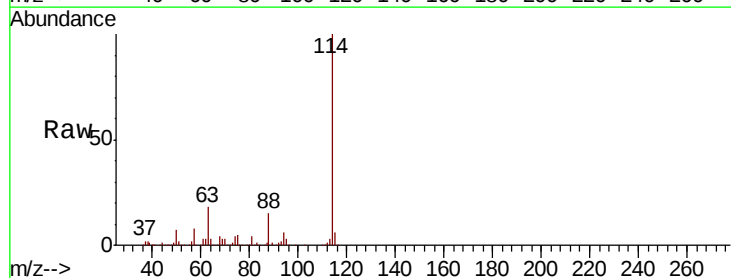
Tgt Ion: 114 Resp: 344255

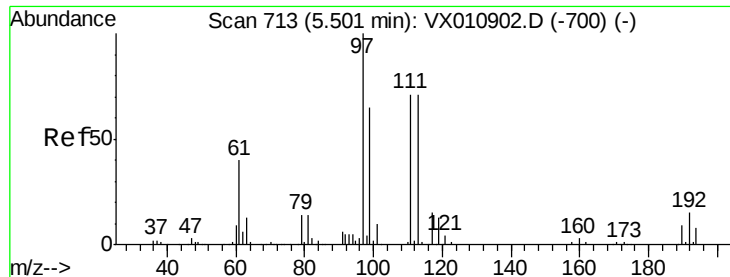
Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.6

88 14.9 0.0 29.8

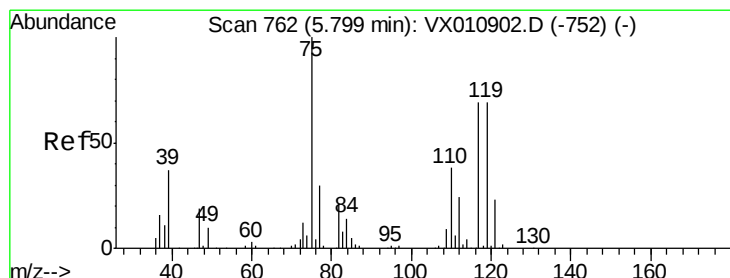
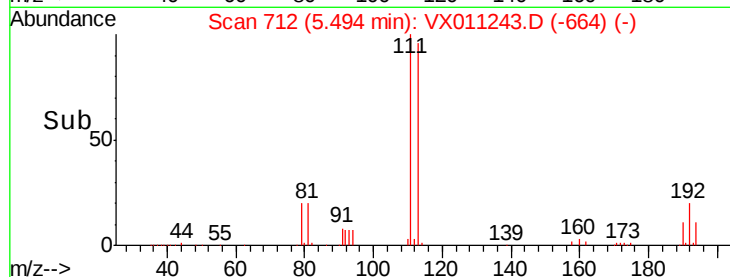
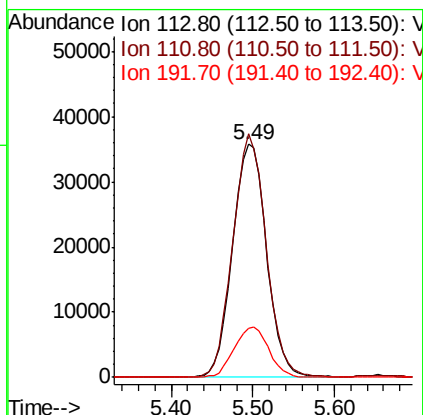
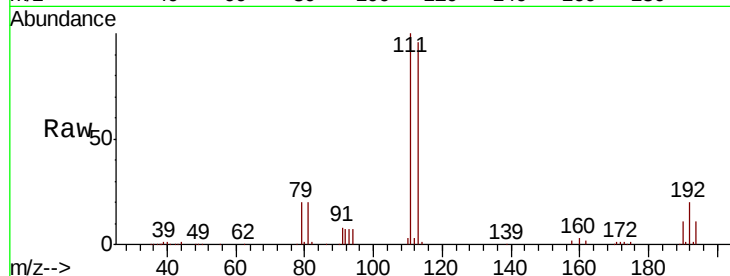




#35
 Dibromofluoromethane
 Concen: 47.251 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX011243.D
 Acq: 31 Jul 2019 15:20

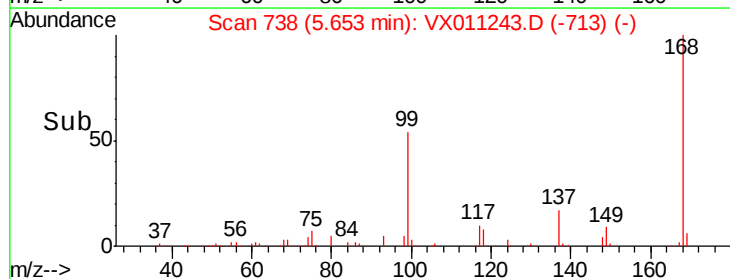
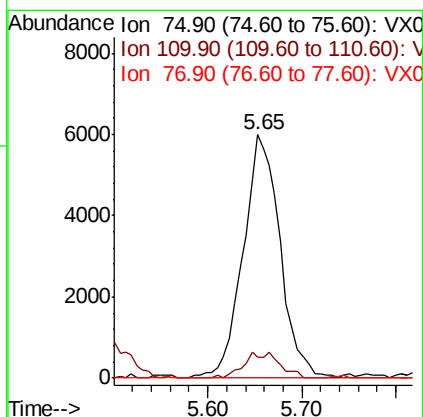
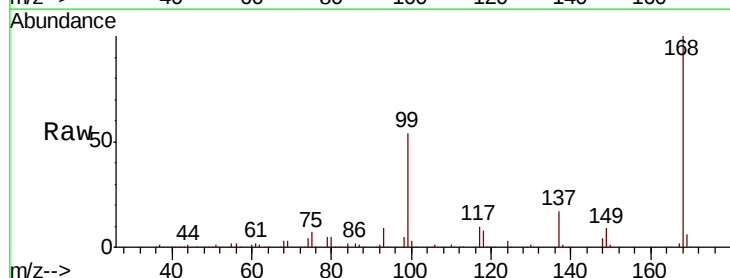
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731WBL01

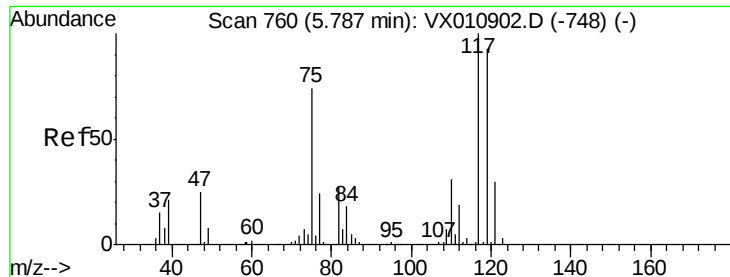
Tgt Ion:113 Resp: 103246
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.3 123.5
 192 21.9 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 5.822 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX011243.D
 Acq: 31 Jul 2019 15:20

Tgt Ion: 75 Resp: 16464
 Ion Ratio Lower Upper
 75 100
 110 10.2 19.9 59.7#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 7.574 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011243.D

Acq: 31 Jul 2019 15:20

Instrument :

MSVOA_X

ClientSampled :

VX0731WBL01

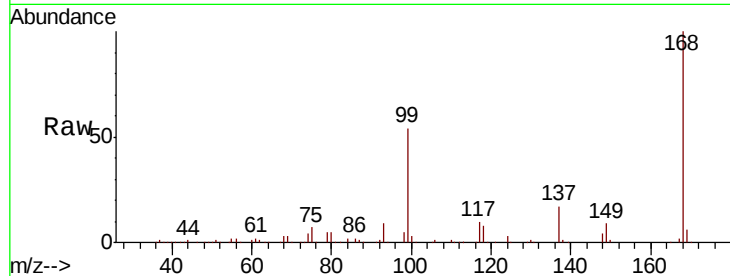
Tgt Ion:117 Resp: 22317

Ion Ratio Lower Upper

117 100

119 4.8 74.2 111.2#

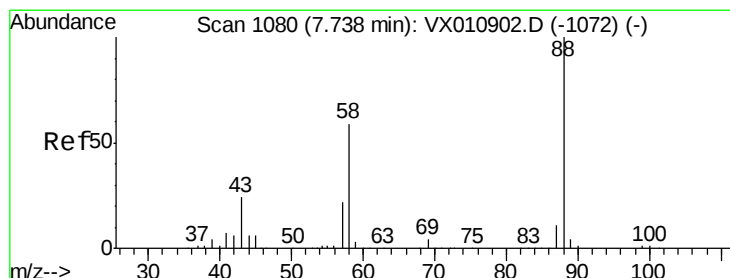
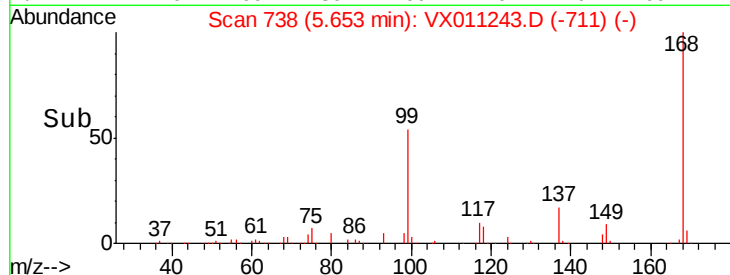
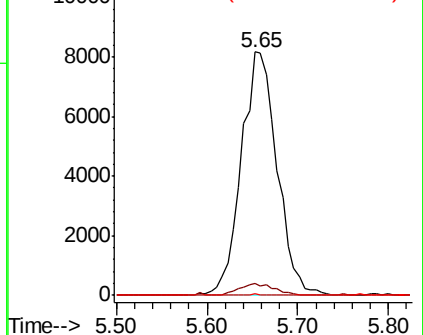
121 0.7 24.2 36.2#



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: 0.293 ug/l

RT: 7.81 min Scan# 1092

Delta R.T. 0.07 min

Lab File: VX011243.D

Acq: 31 Jul 2019 15:20

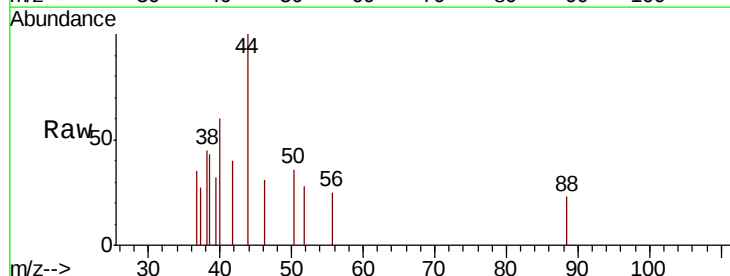
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 200.0 22.9 34.3#

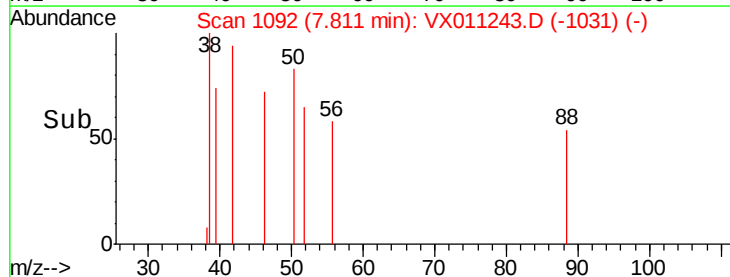
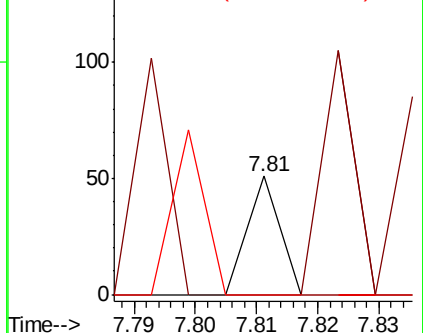
58 0.0 49.8 74.8#

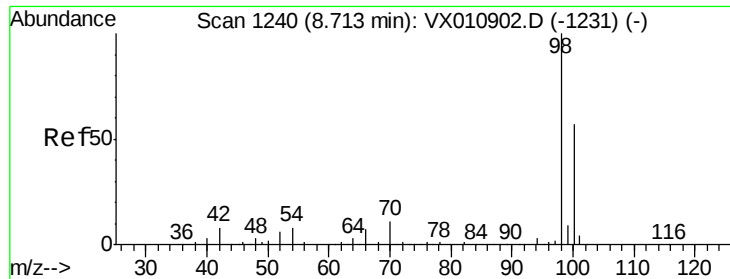


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

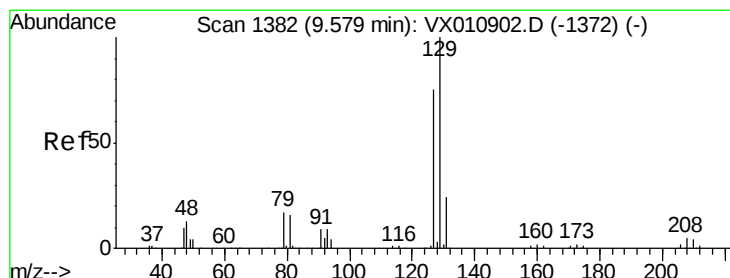
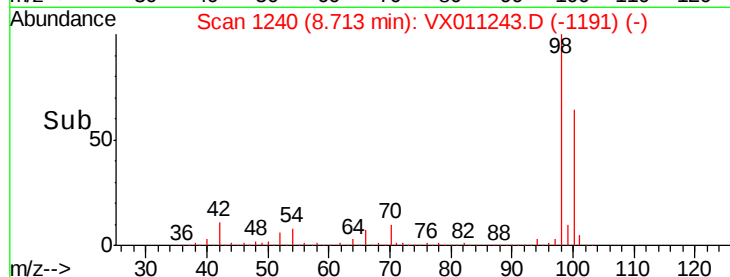
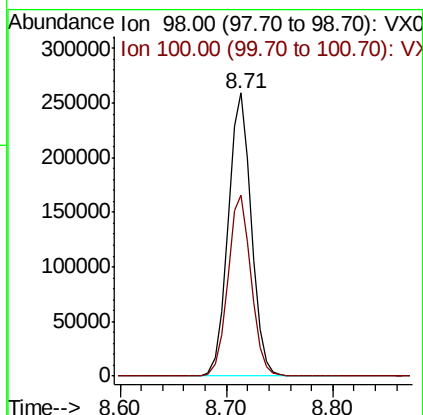
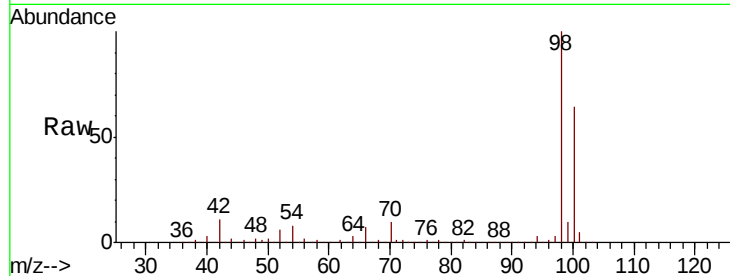




#50
Toluene-d8
Concen: 48.087 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011243.D
Acq: 31 Jul 2019 15:20

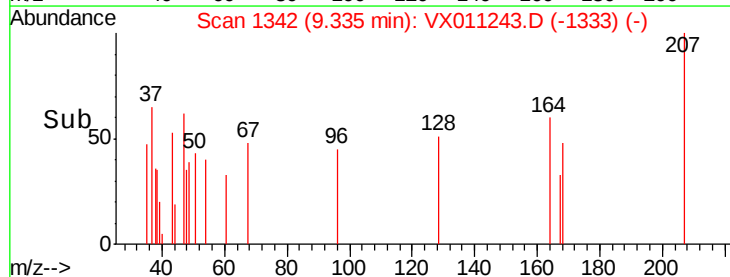
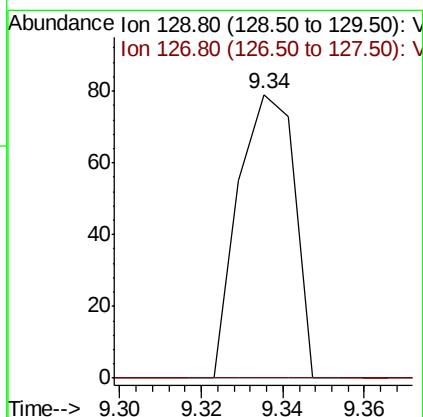
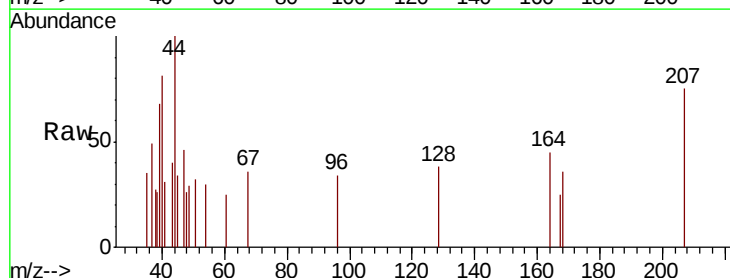
Instrument :
MSVOA_X
ClientSampleId :
VX0731WBL01

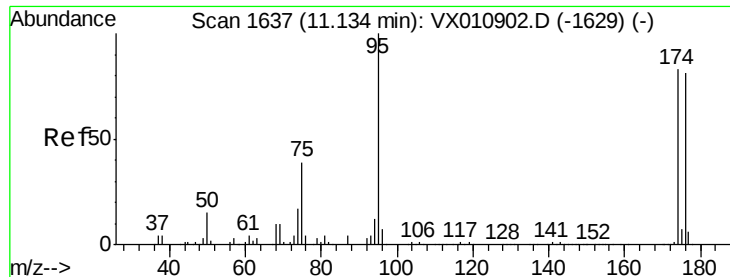
Tgt Ion: 98 Resp: 394094
Ion Ratio Lower Upper
98 100
100 64.1 50.6 75.8



#60
Dibromochloromethane
Concen: 2.555 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX011243.D
Acq: 31 Jul 2019 15:20

Tgt Ion: 129 Resp: 76
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 44.064 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011243.D

Acq: 31 Jul 2019 15:20

Instrument :

MSVOA_X

ClientSampleId :

VX0731WBL01

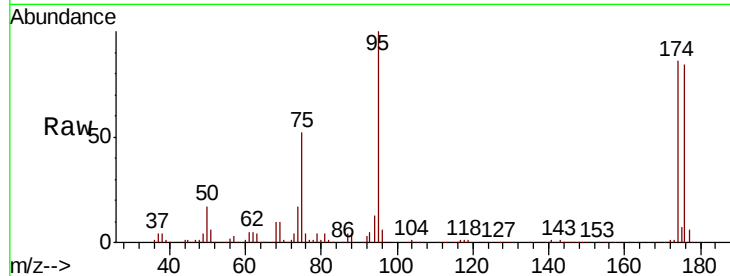
Tgt Ion: 95 Resp: 132736

Ion Ratio Lower Upper

95 100

174 91.0 0.0 180.6

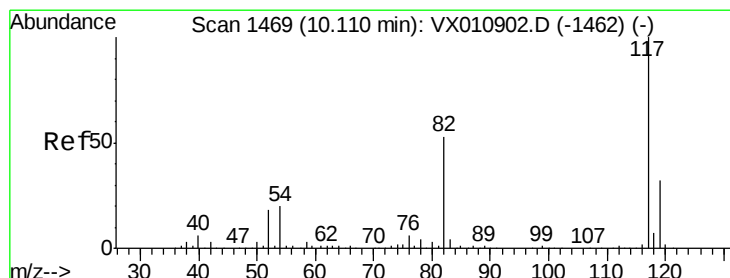
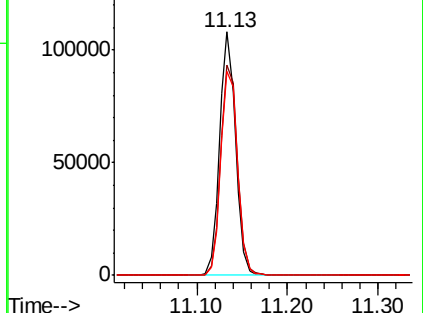
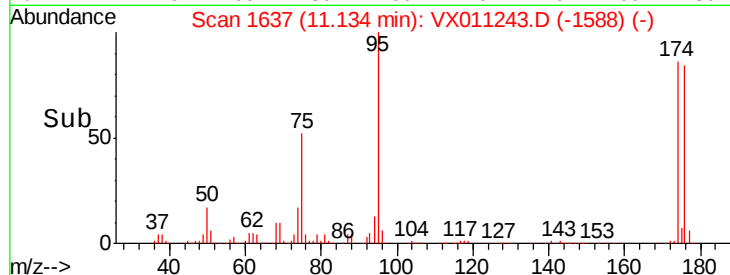
176 88.7 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX011243.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX011243.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011243.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011243.D

Acq: 31 Jul 2019 15:20

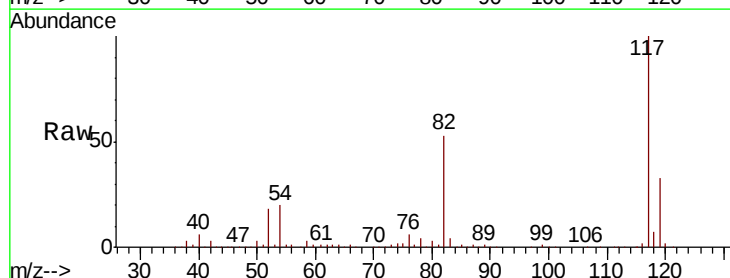
Tgt Ion: 117 Resp: 299841

Ion Ratio Lower Upper

117 100

82 53.2 42.6 63.8

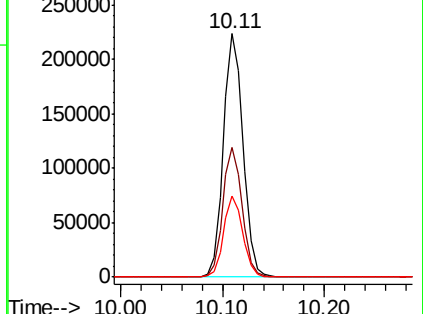
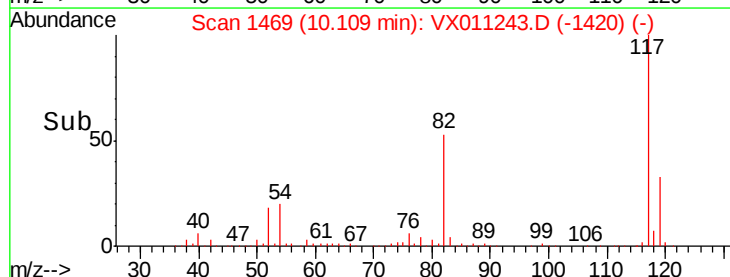
119 33.1 25.9 38.9

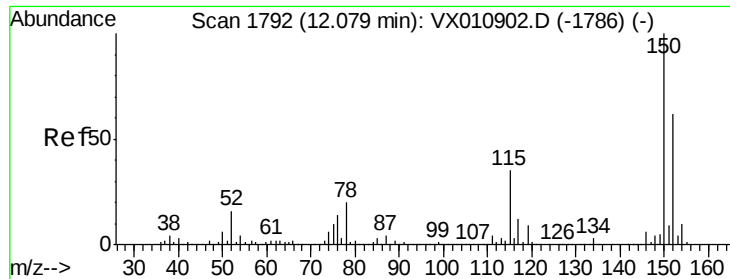


Abundance Ion 116.90 (116.60 to 117.60): VX011243.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX011243.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011243.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011243.D

Acq: 31 Jul 2019 15:20

Instrument :

MSVOA_X

ClientSampleId :

VX0731WBL01

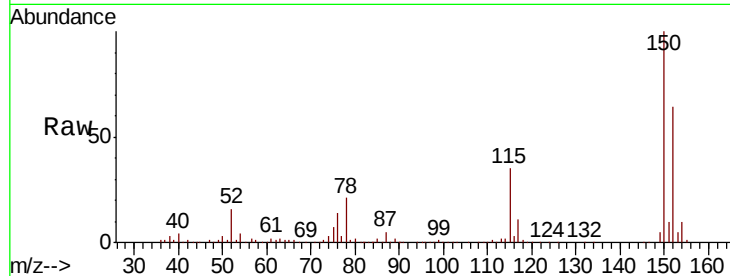
Tgt Ion:152 Resp: 140695

Ion Ratio Lower Upper

152 100

115 54.9 39.7 119.1

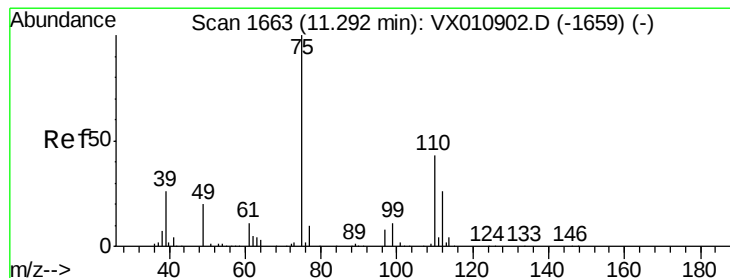
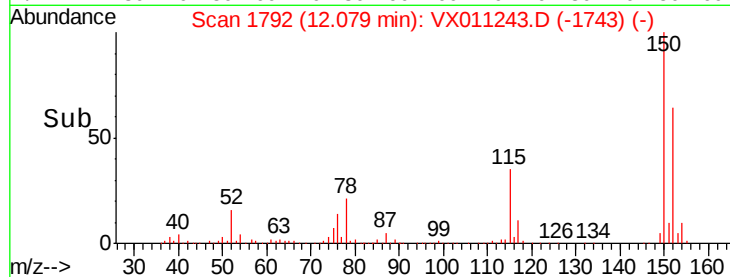
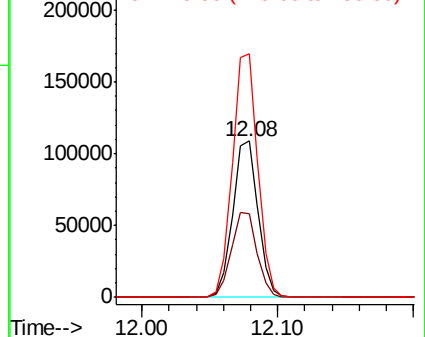
150 155.8 0.0 345.6



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: 26.632 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011243.D

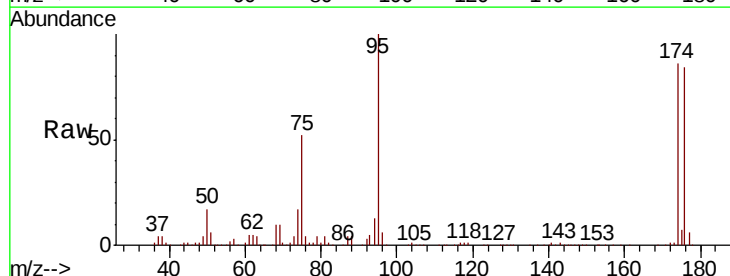
Acq: 31 Jul 2019 15:20

Tgt Ion: 75 Resp: 67616

Ion Ratio Lower Upper

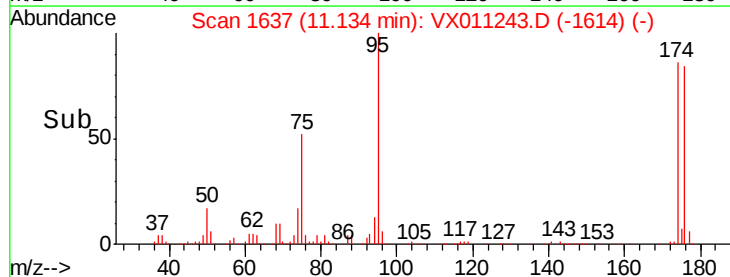
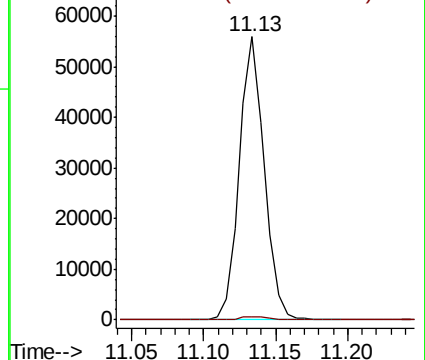
75 100

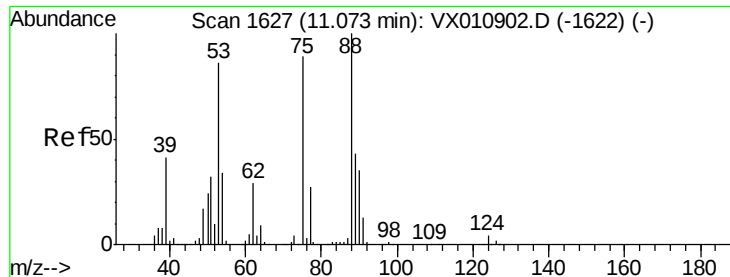
77 1.3 21.3 64.0#



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: 66.082 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011243.D

Acq: 31 Jul 2019 15:20

Instrument :

MSVOA_X

ClientSampleId :

VX0731WBL01

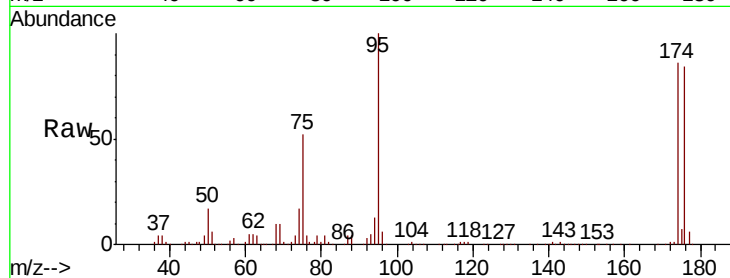
Tgt Ion: 75 Resp: 67616

Ion Ratio Lower Upper

75 100

53 0.2 76.7 115.1#

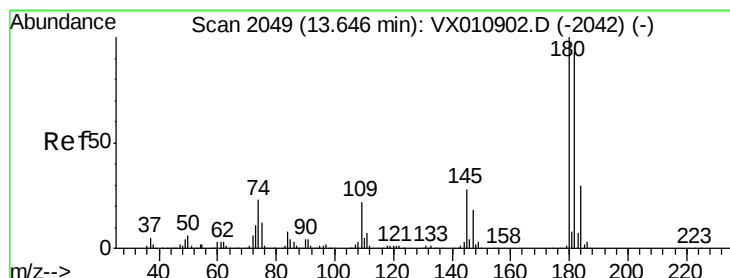
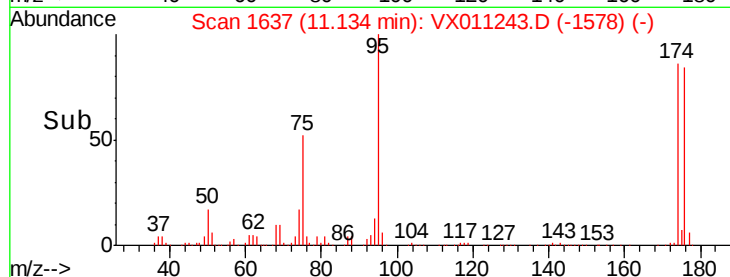
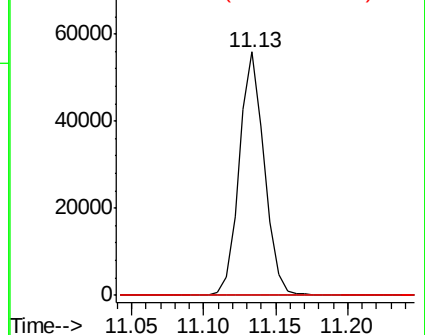
89 0.1 38.5 57.7#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.202 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX011243.D

Acq: 31 Jul 2019 15:20

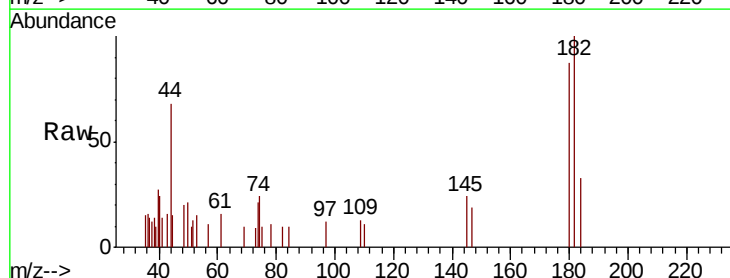
Tgt Ion: 180 Resp: 618

Ion Ratio Lower Upper

180 100

182 100.2 47.1 141.3

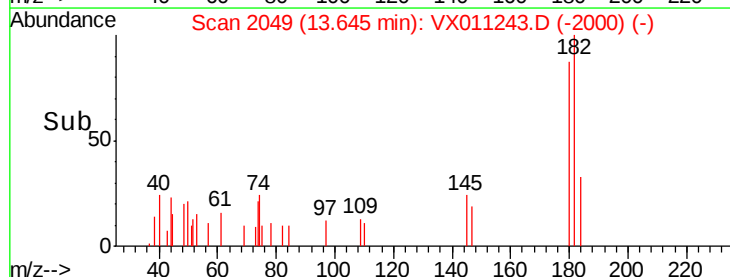
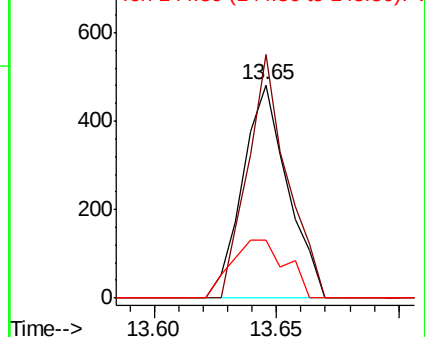
145 33.2 14.8 44.4

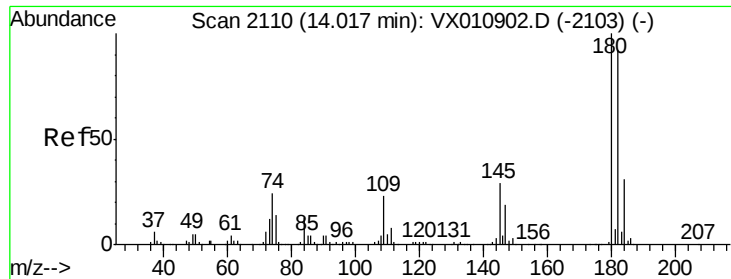


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

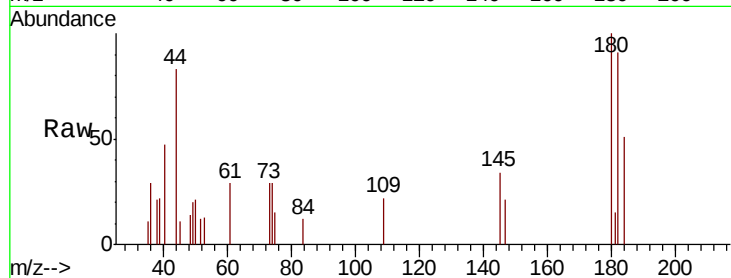




#96
 1,2,3-Trichlorobenzene
 Concen: 0.205 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX011243.D
 Acq: 31 Jul 2019 15:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.7	47.4	142.3
145	30.8	15.1	45.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

