

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070919\
 Data File : VX010760.D
 Acq On : 09 Jul 2019 18:54
 Operator : JC/SP
 Sample : K3687-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 72-12017-VNJ-206

Quant Time: Jul 10 02:13:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	215999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	338194	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	316899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	145854	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	108936	53.79	ug/l	0.00
Spiked Amount			Recovery	=	107.58%	
35) Dibromofluoromethane	5.50	113	103105	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
50) Toluene-d8	8.71	98	407926	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	11.13	95	136904	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	

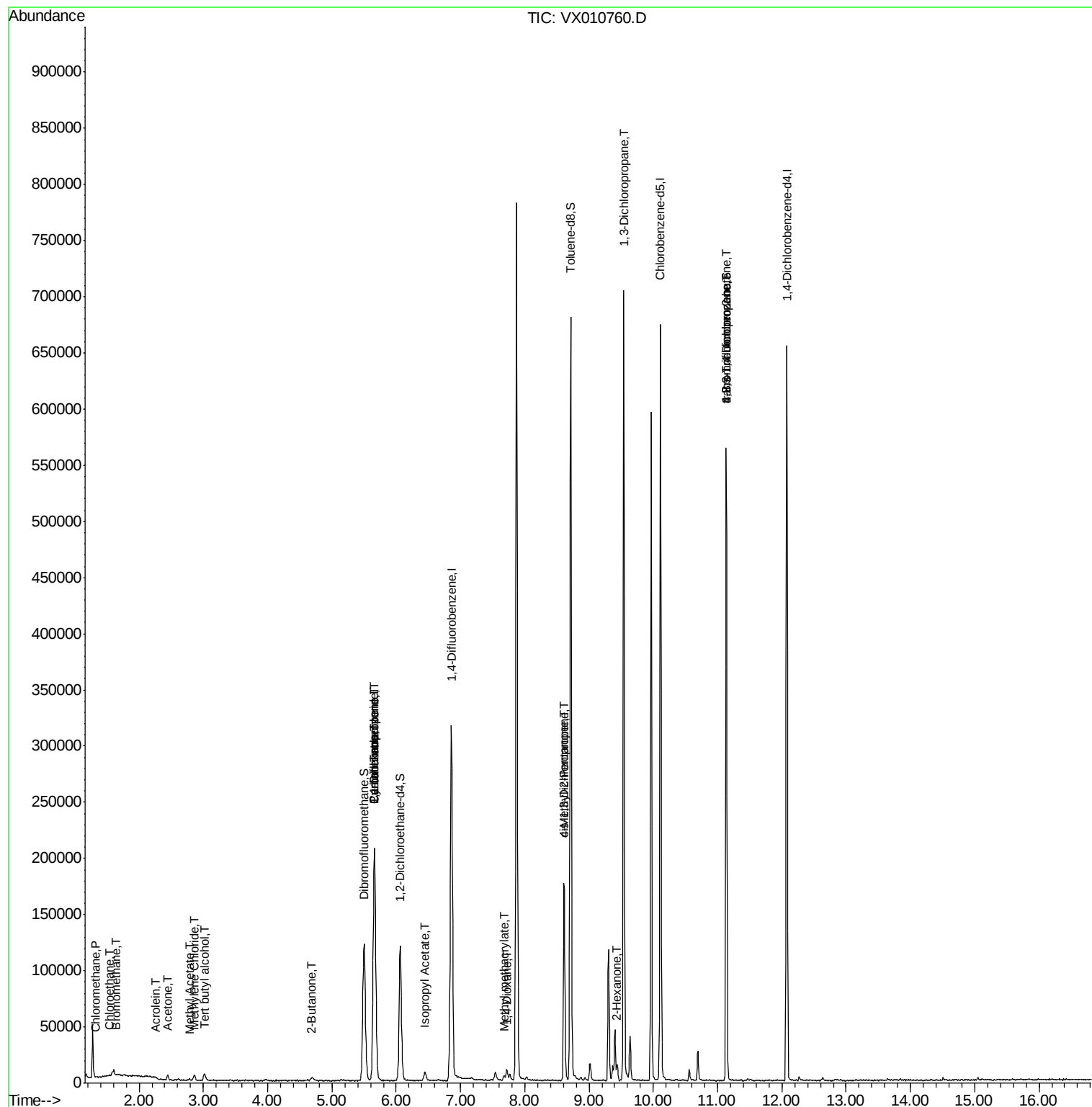
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	416	0.238	ug/l #	57
5) Bromomethane	1.65	94	317	0.340	ug/l #	69
6) Chloroethane	1.54	64	600	0.531	ug/l #	41
11) Tert butyl alcohol	3.01	59	4055	7.652	ug/l #	87
13) Acrolein	2.24	56	105	0.299	ug/l #	14
16) Acetone	2.45	43	5048	4.974	ug/l	99
18) Methyl Acetate	2.78	43	1976	0.977	ug/l	96
20) Methylene Chloride	2.86	84	2547	1.219	ug/l	98
25) 2-Butanone	4.68	43	1141	0.766	ug/l	92
31) Cyclohexane	5.65	56	3998	1.367	ug/l #	33
36) 1,1-Dichloropropene	5.67	75	13510	5.027	ug/l #	48
38) Carbon Tetrachloride	5.66	117	19755	6.788	ug/l #	17
43) Isopropyl Acetate	6.45	43	10812	2.364	ug/l	96
48) Methyl methacrylate	7.68	41	5044	2.372	ug/l #	10
49) 1,4-Dioxane	7.72	88	23	0.376	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	57670	19.713	ug/l #	46
54) cis-1,3-Dichloropropene	8.62	75	29782	8.793	ug/l #	65
57) 1,3-Dichloropropane	9.54	76	6543	1.854	ug/l #	44
59) 2-Hexanone	9.44	43	8401	3.649	ug/l #	22
76) 1,2,3-Trichloropropane	11.13	75	67815	25.515	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	67815	59.524	ug/l #	16

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010760.D

Acq: 09 Jul 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

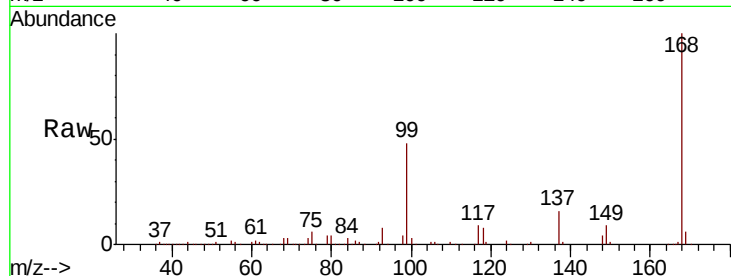
72-12017-VNJ-206

Tot Ion:168 Resp: 215999

Ion Ratio Lower Upper

168 100

99 47.5 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

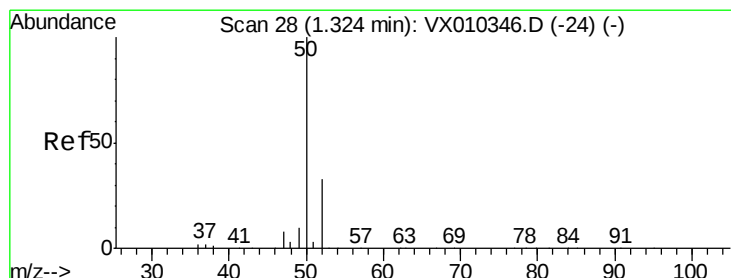
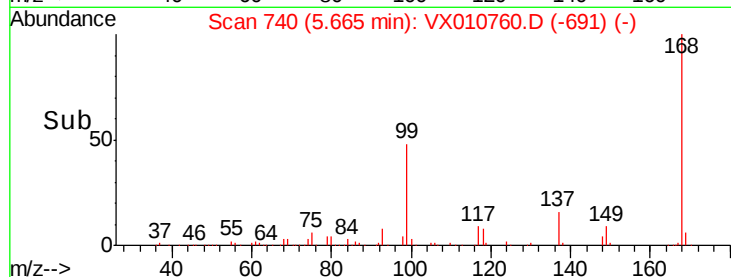
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.238 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010760.D

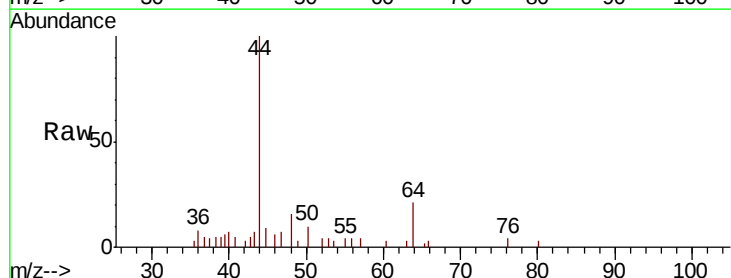
Acq: 09 Jul 2019 18:54

Tgt Ion: 50 Resp: 416

Ion Ratio Lower Upper

50 100

52 9.0 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

250

200

150

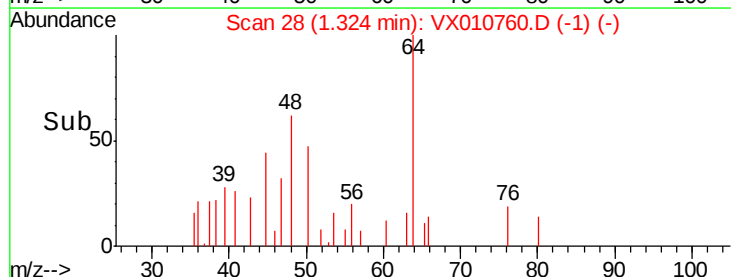
100

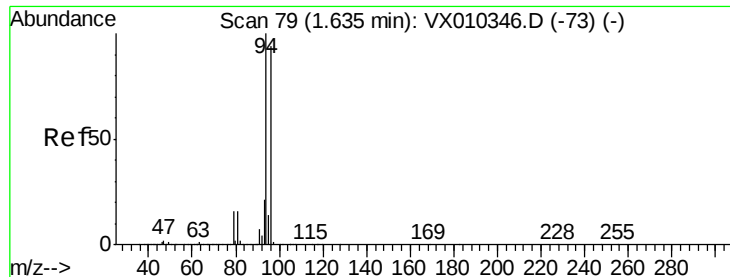
50

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.340 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010760.D

Acq: 09 Jul 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

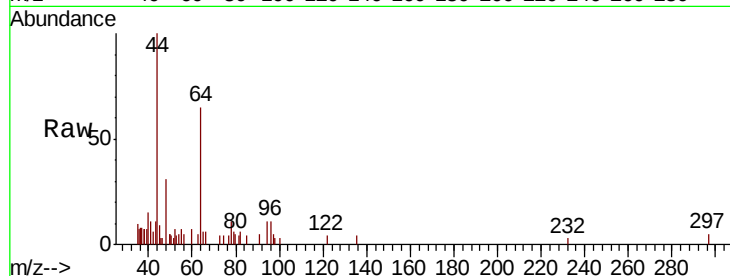
72-12017-VNJ-206

Tot Ion: 94 Resp: 317

Ion Ratio Lower Upper

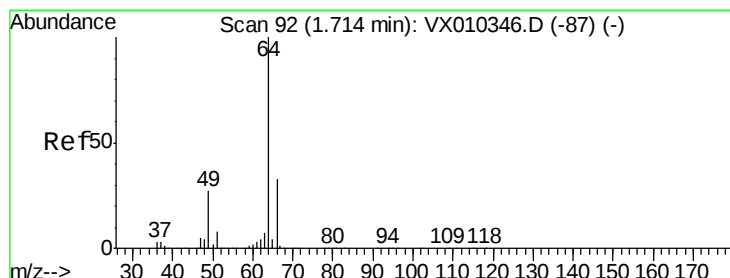
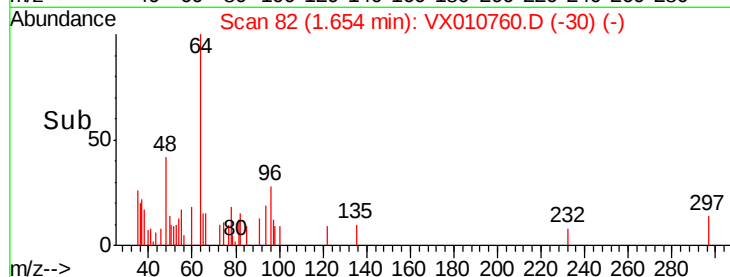
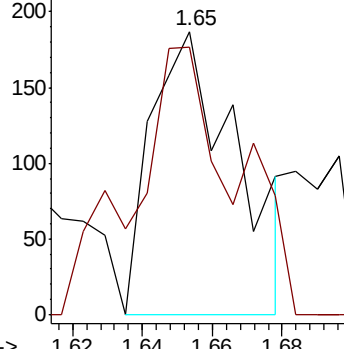
94 100

96 64.2 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.531 ug/l

RT: 1.54 min Scan# 63

Delta R.T. -0.18 min

Lab File: VX010760.D

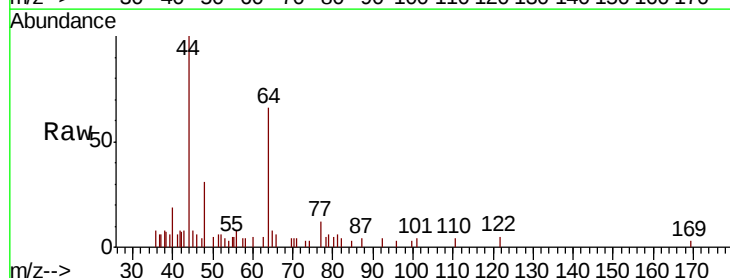
Acq: 09 Jul 2019 18:54

Tgt Ion: 64 Resp: 600

Ion Ratio Lower Upper

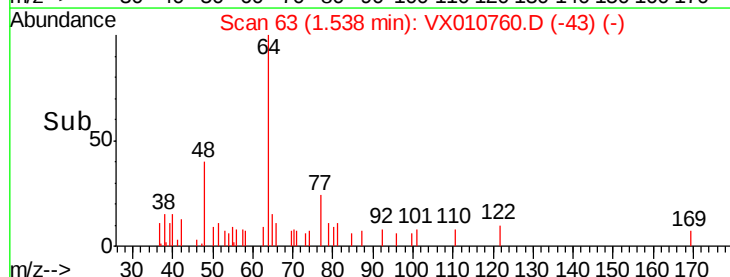
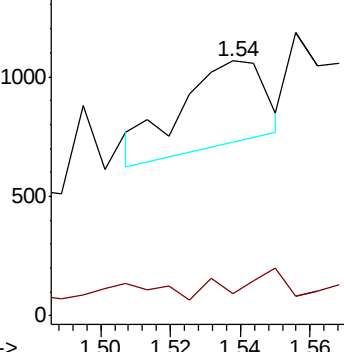
64 100

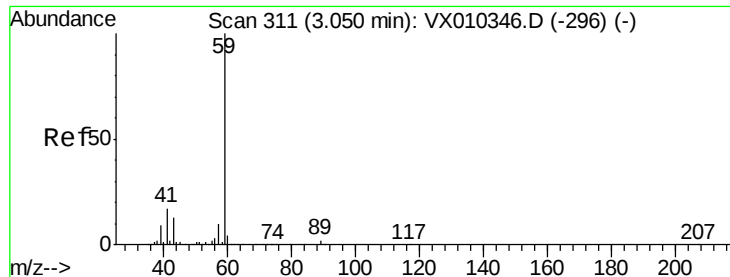
66 0.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



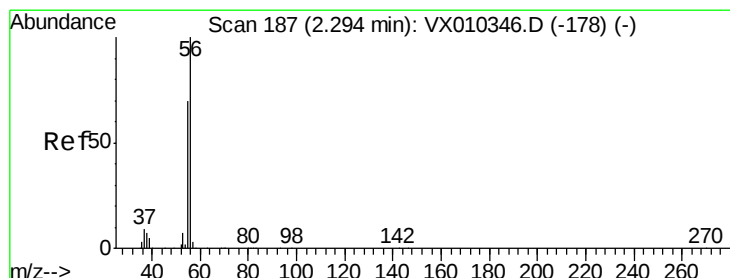
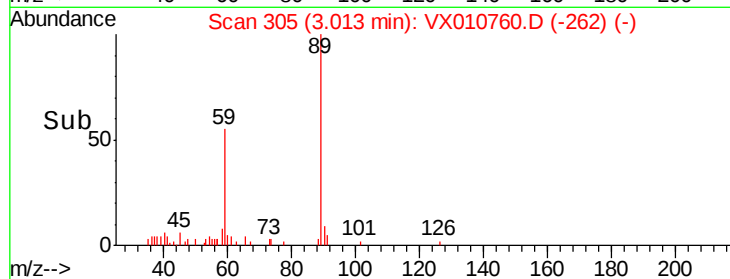
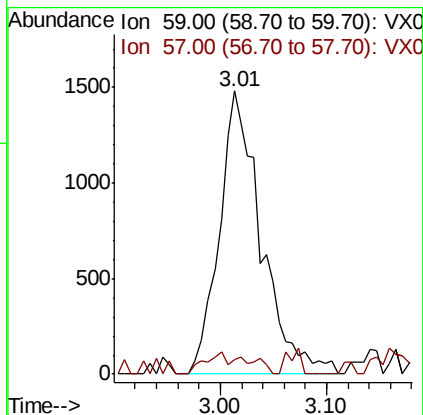
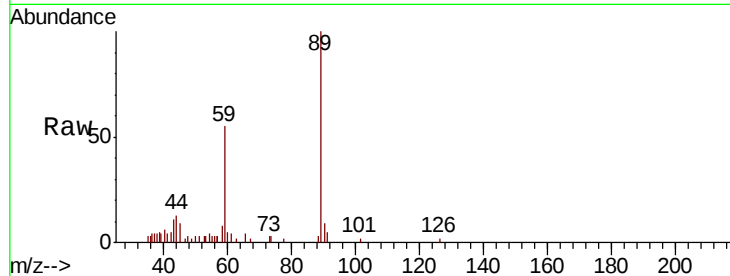


#11

Tert butyl alcohol
Concen: 7.652 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX010760.D
Acq: 09 Jul 2019 18:54

Instrument :
MSVOA_X
ClientSampleId :
72-12017-VNJ-206

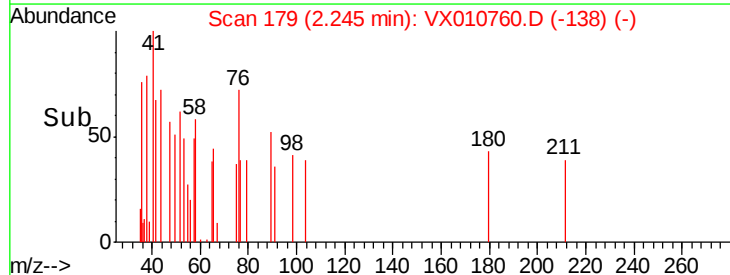
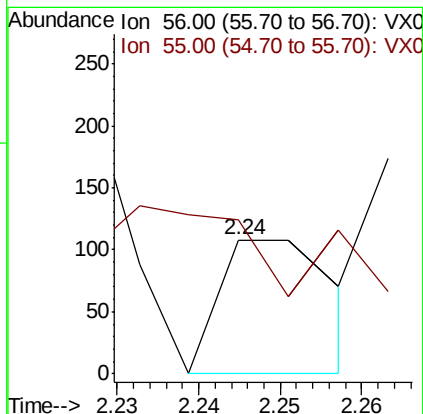
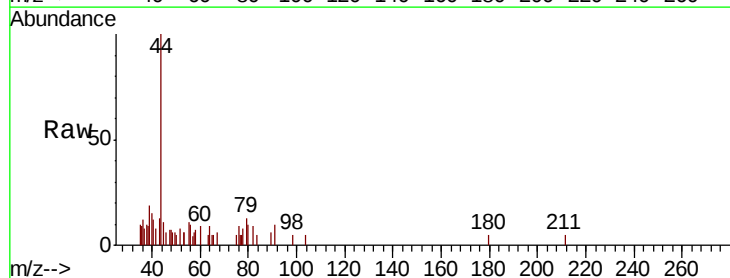
Tot Ion: 59 Resp: 4055
Ion Ratio Lower Upper
59 100
57 4.7 7.7 11.5#

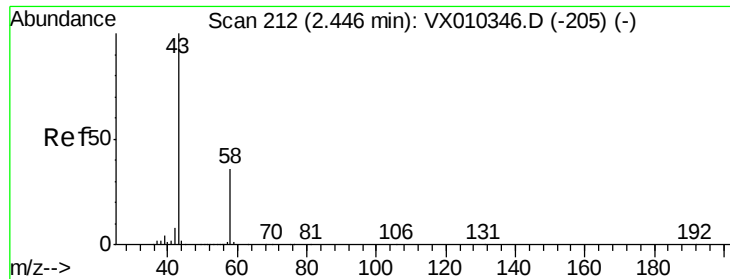


#13

Acrolein
Concen: 0.299 ug/l
RT: 2.24 min Scan# 179
Delta R.T. -0.05 min
Lab File: VX010760.D
Acq: 09 Jul 2019 18:54

Tgt Ion: 56 Resp: 105
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#





#16

Acetone

Concen: 4.974 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010760.D

Acq: 09 Jul 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

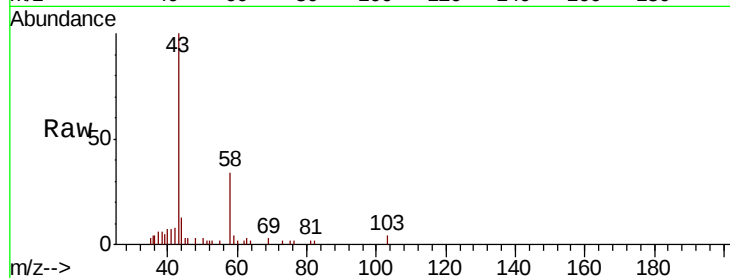
72-12017-VNJ-206

Tot Ion: 43 Resp: 5048

Ion Ratio Lower Upper

43 100

58 35.2 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

3000

2500

2000

1500

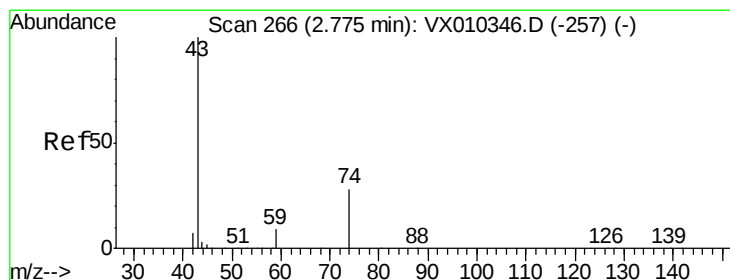
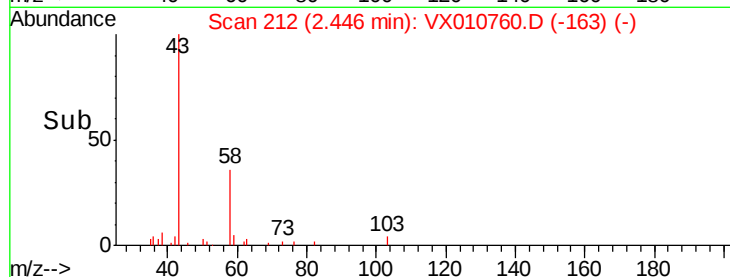
1000

500

0

Time-->

2.40 2.45 2.50



#18

Methyl Acetate

Concen: 0.977 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010760.D

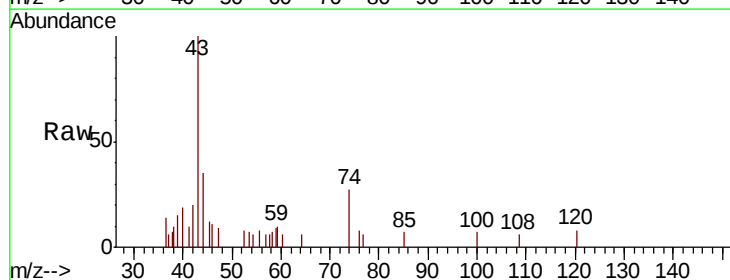
Acq: 09 Jul 2019 18:54

Tgt Ion: 43 Resp: 1976

Ion Ratio Lower Upper

43 100

74 28.4 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

1000

800

600

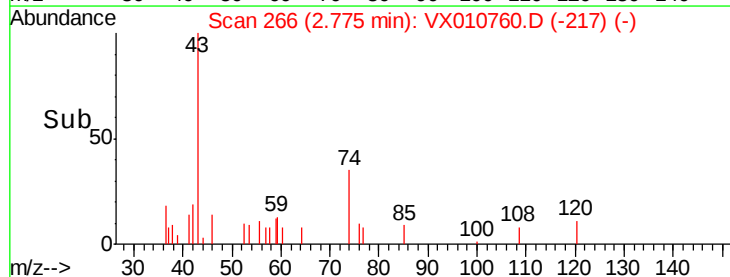
400

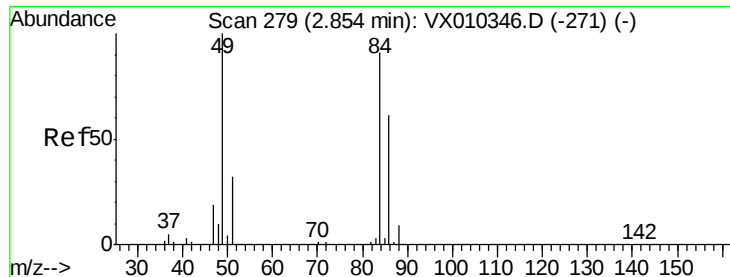
200

0

Time-->

2.70 2.75 2.80

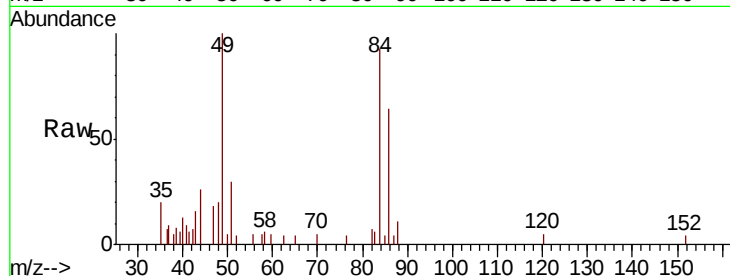




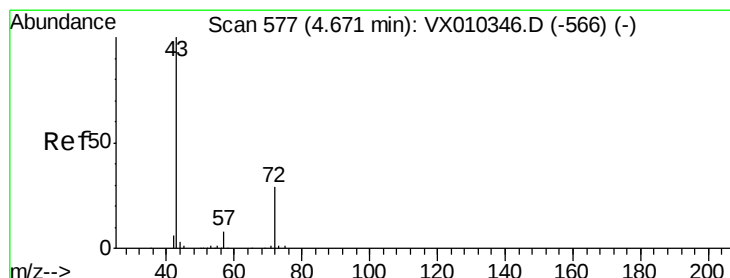
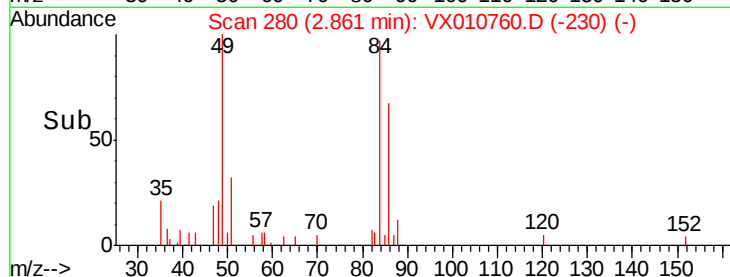
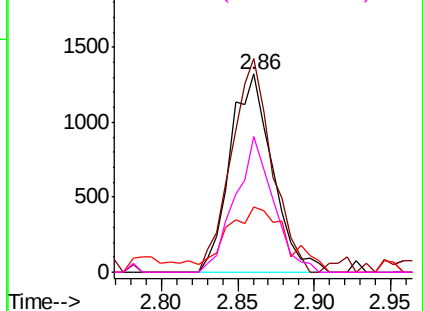
#20
Methvlene Chloride
Concen: 1.219 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010760.D
Acq: 09 Jul 2019 18:54

Instrument :
MSVOA_X
ClientSampleId :
72-12017-VNJ-206

Tot Ion: 84 Resp: 2547
Ion Ratio Lower Upper
84 100
49 107.9 87.5 131.3
51 32.8 27.7 41.5
86 68.7 53.4 80.0

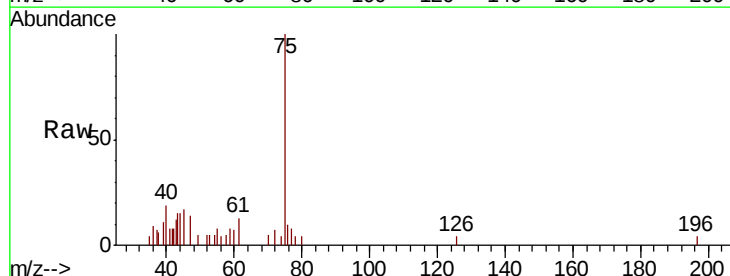


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

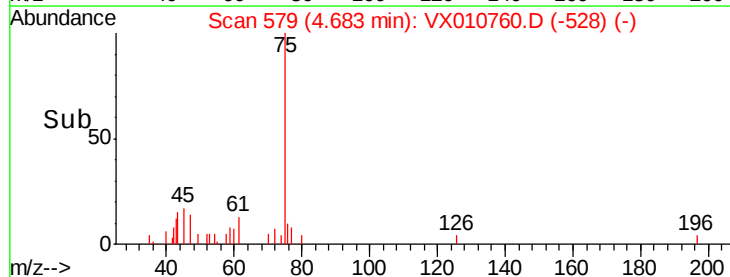
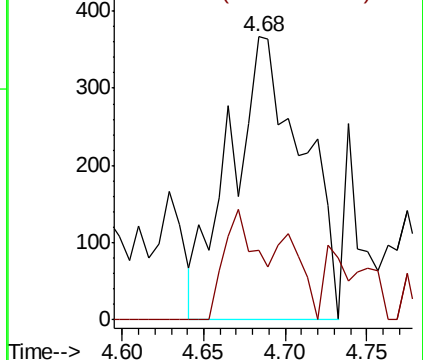


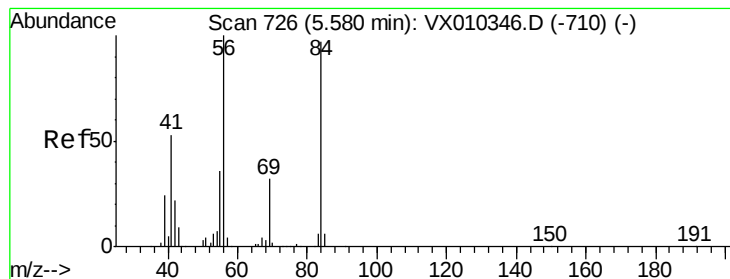
#25
2-Butanone
Concen: 0.766 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX010760.D
Acq: 09 Jul 2019 18:54

Tgt Ion: 43 Resp: 1141
Ion Ratio Lower Upper
43 100
72 24.8 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 1.367 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX010760.D

Acq: 09 Jul 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

72-12017-VNJ-206

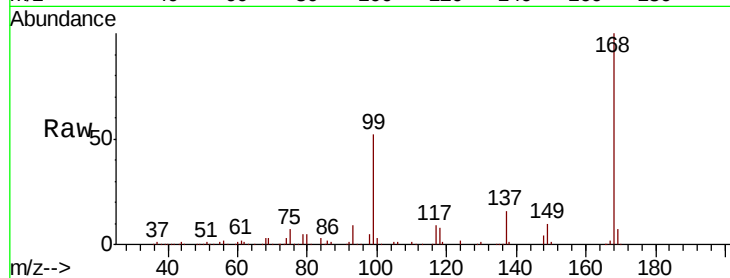
Tot Ion: 56 Resp: 3998

Ion Ratio Lower Upper

56 100

69 134.7 25.9 38.9#

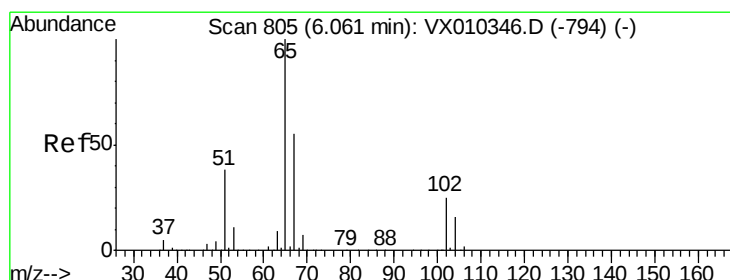
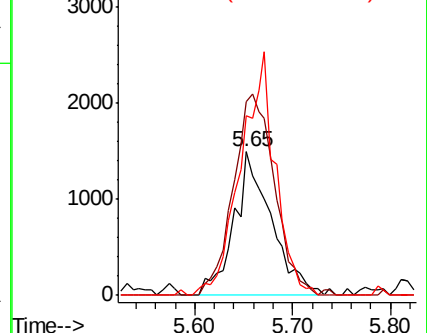
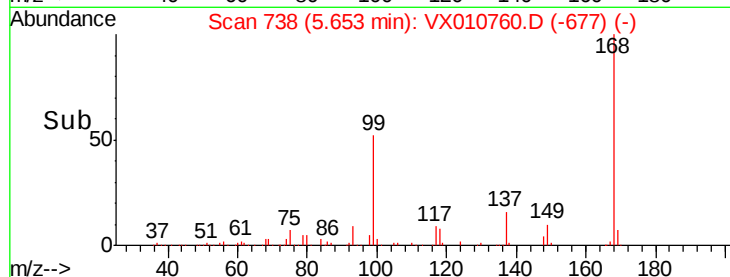
84 125.1 78.0 117.0#



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



#33

1,2-Dichloroethane-d4

Concen: 53.790 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010760.D

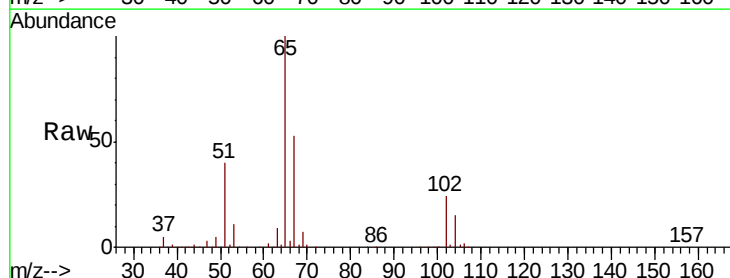
Acq: 09 Jul 2019 18:54

Tgt Ion: 65 Resp: 108936

Ion Ratio Lower Upper

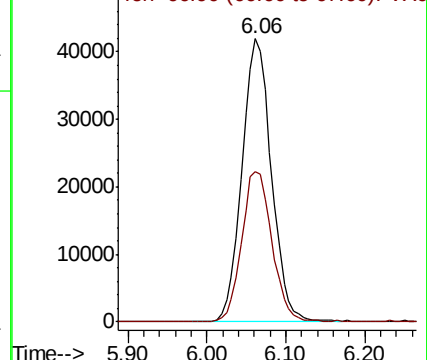
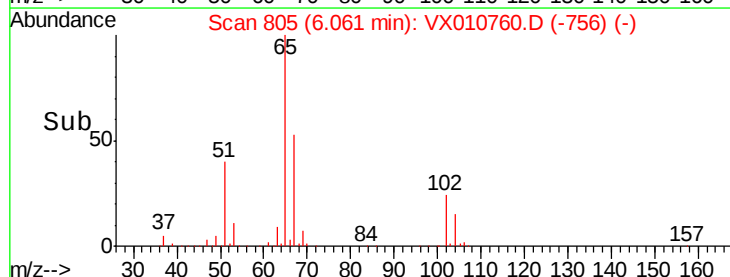
65 100

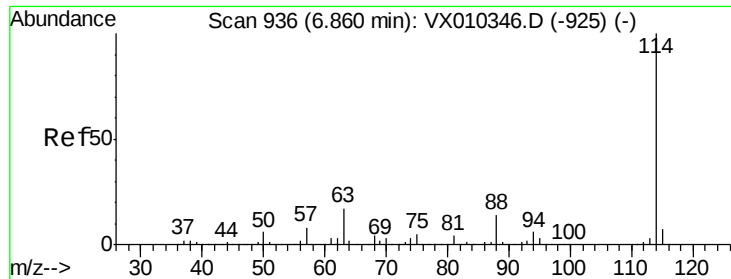
67 54.6 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

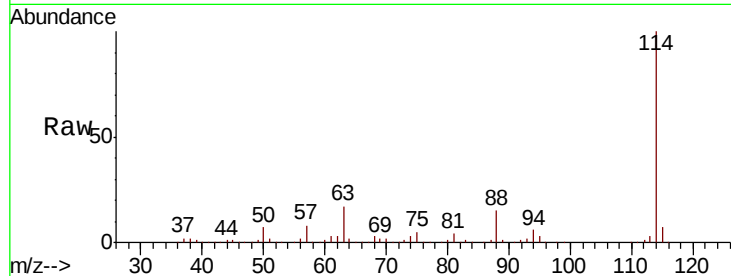




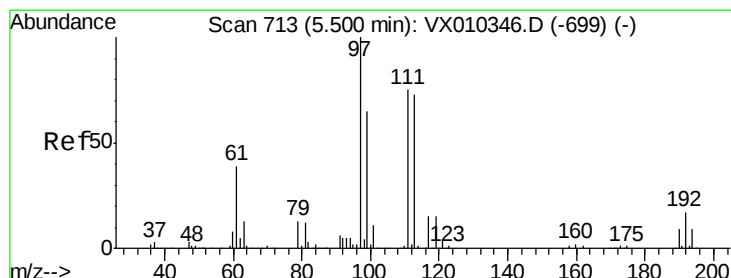
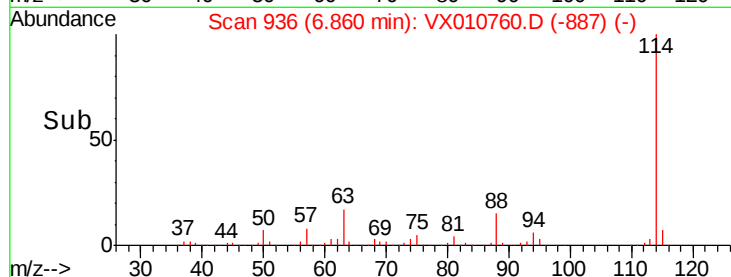
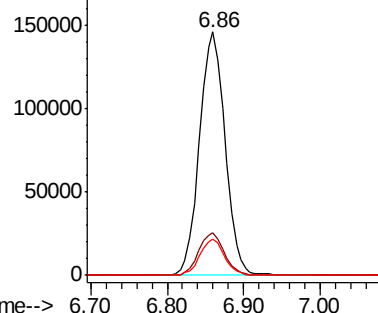
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010760.D
Acq: 09 Jul 2019 18:54

Instrument :
MSVOA_X
ClientSampleId :
72-12017-VNJ-206

Tot Ion:114 Resp: 338194
Ion Ratio Lower Upper
114 100
63 17.4 0.0 33.8
88 14.7 0.0 27.6

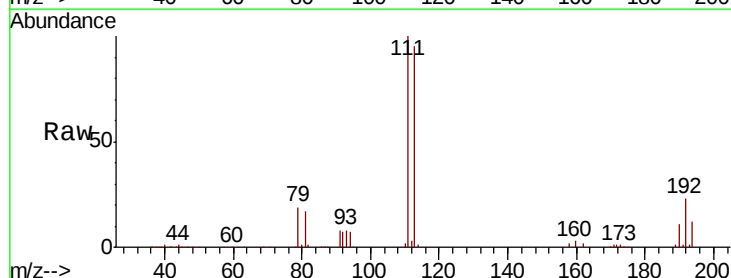


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

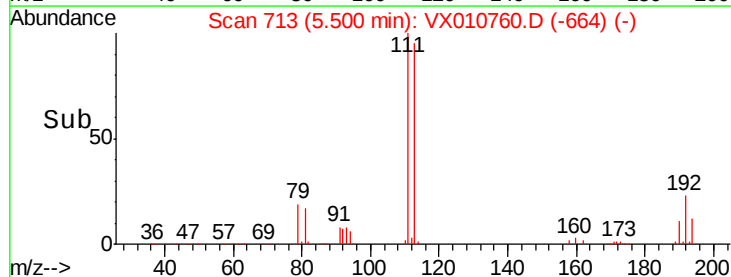
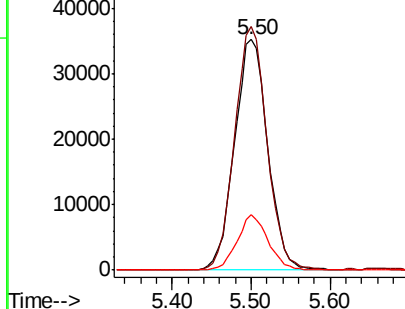


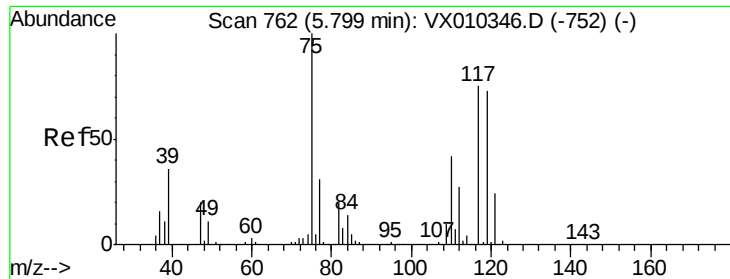
#35
Dibromofluoromethane
Concen: 49.829 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010760.D
Acq: 09 Jul 2019 18:54

Tgt Ion:113 Resp: 103105
Ion Ratio Lower Upper
113 100
111 102.7 81.2 121.8
192 22.2 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

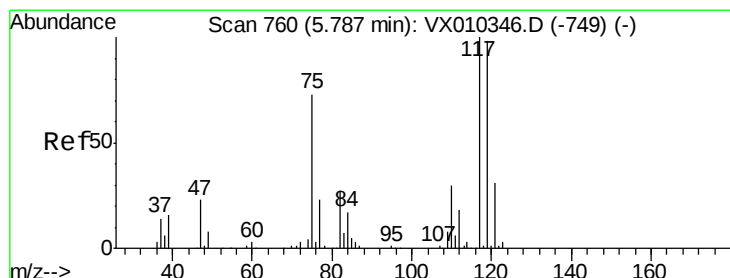
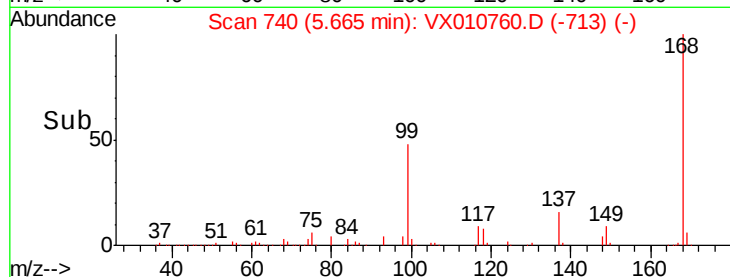
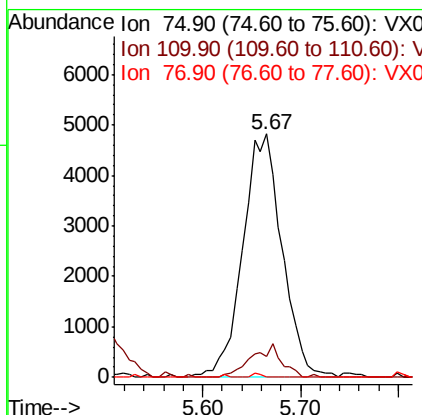
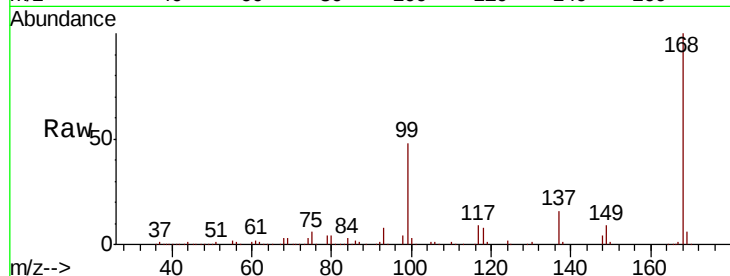




#36
 1,1-Dichloropropene
 Concen: 5.027 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010760.D
 Acq: 09 Jul 2019 18:54

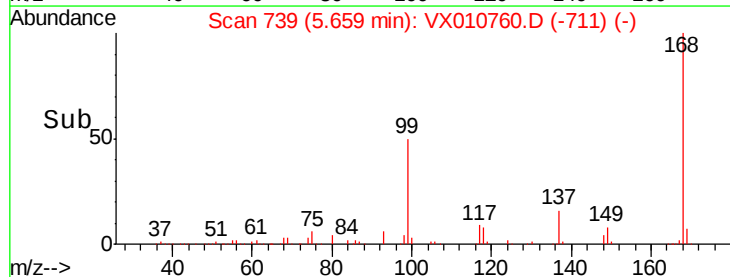
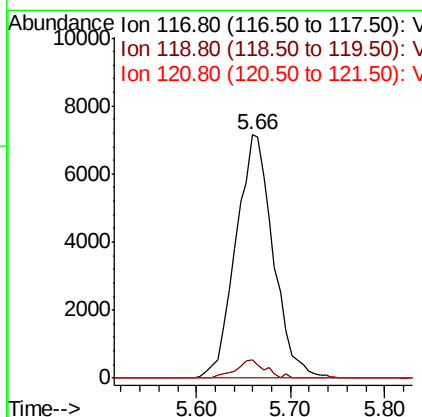
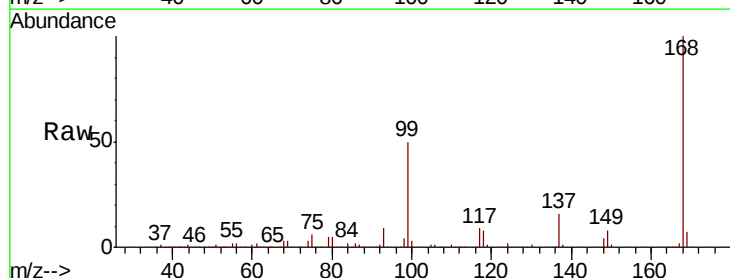
Instrument :
 MSVOA_X
 ClientSampleId :
 72-12017-VNJ-206

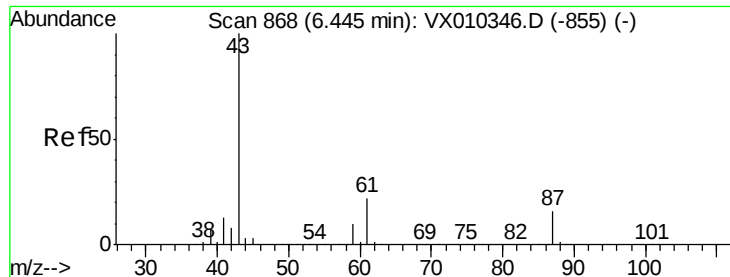
Tot Ion: 75 Resp: 13510
 Ion Ratio Lower Upper
 75 100
 110 10.5 20.8 62.2#
 77 0.4 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 6.788 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010760.D
 Acq: 09 Jul 2019 18:54

Tgt Ion: 117 Resp: 19755
 Ion Ratio Lower Upper
 117 100
 119 7.5 78.2 117.4#
 121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 2.364 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010760.D

Acq: 09 Jul 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

72-12017-VNJ-206

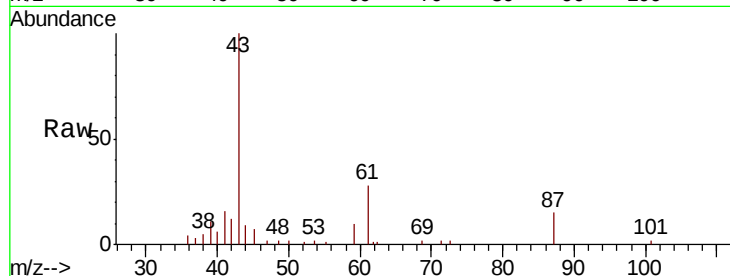
Tot Ion: 43 Resp: 10812

Ion Ratio Lower Upper

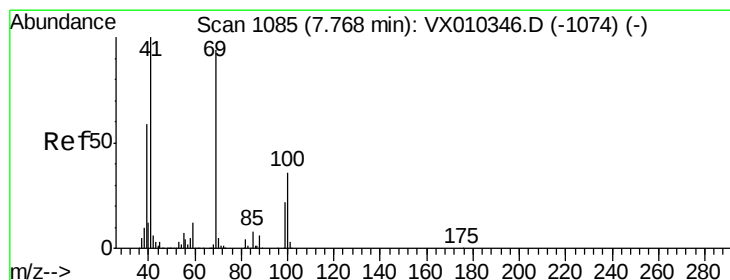
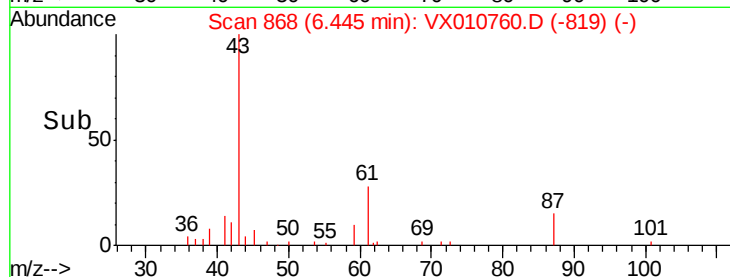
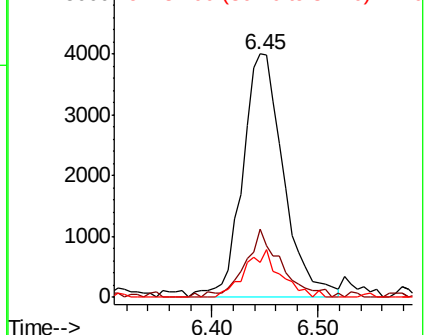
43 100

61 24.9 17.8 26.6

87 17.1 13.0 19.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 2.372 ug/l

RT: 7.68 min Scan# 1070

Delta R.T. -0.09 min

Lab File: VX010760.D

Acq: 09 Jul 2019 18:54

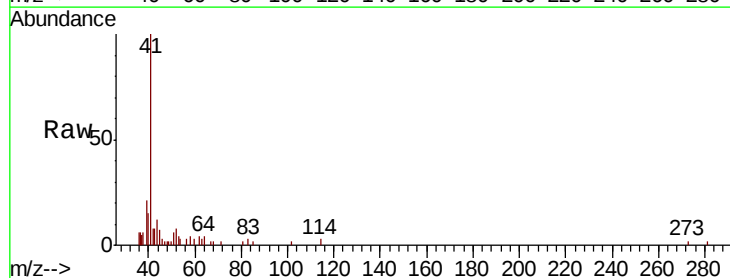
Tgt Ion: 41 Resp: 5044

Ion Ratio Lower Upper

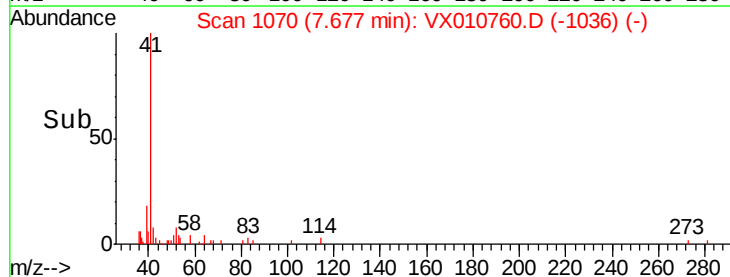
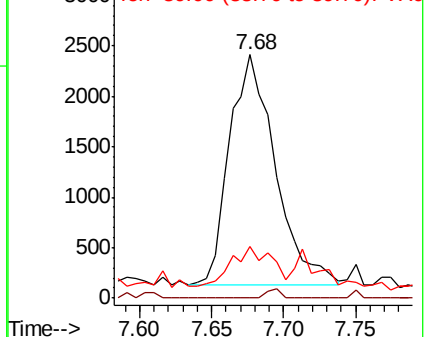
41 100

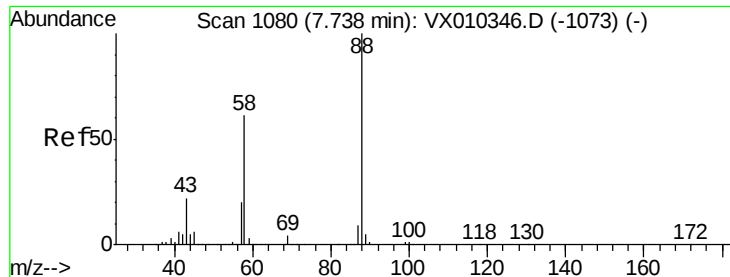
69 1.2 76.1 114.1#

39 0.0 47.6 71.4#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

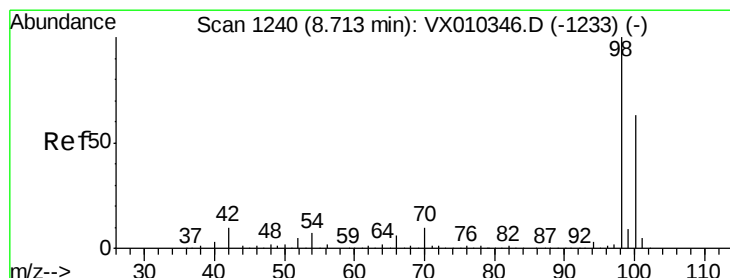
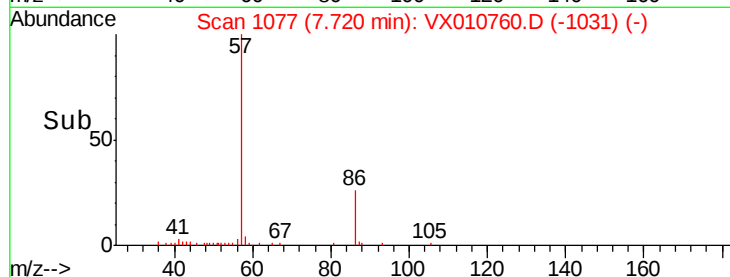
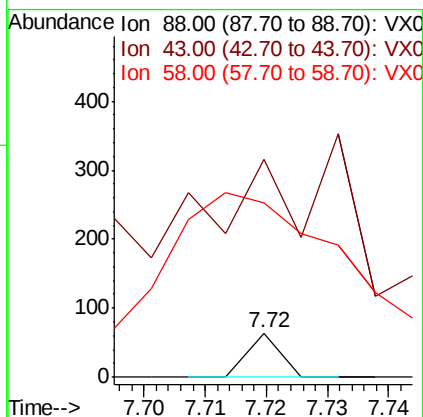
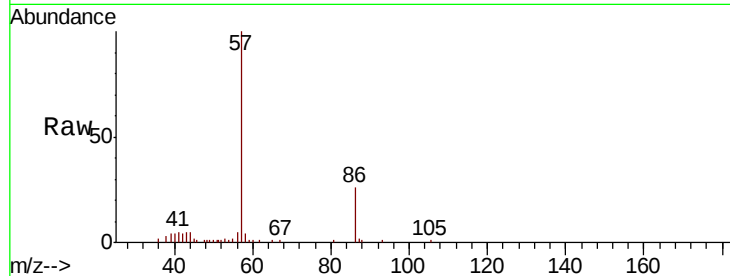




#49
 1,4-Dioxane
 Concen: 0.376 ug/l
 RT: 7.72 min Scan# 1077
 Delta R.T. -0.02 min
 Lab File: VX010760.D
 Acq: 09 Jul 2019 18:54

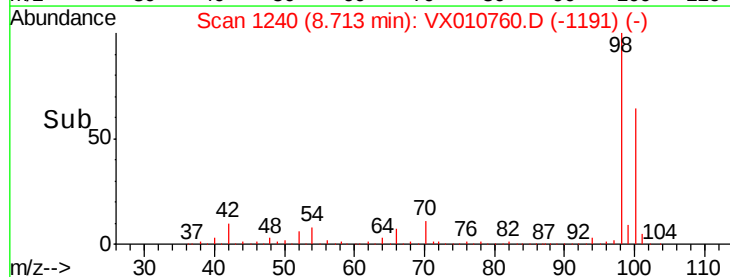
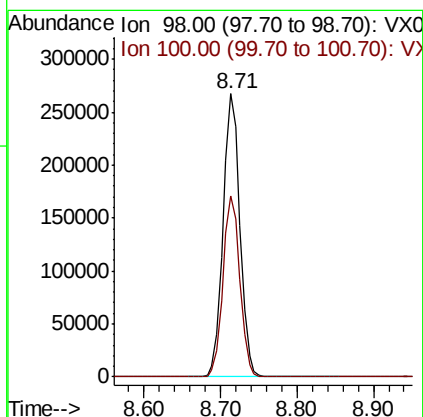
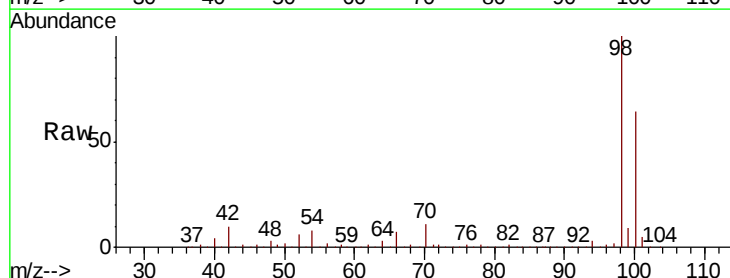
Instrument :
 MSVOA_X
 ClientSampleId :
 72-12017-VNJ-206

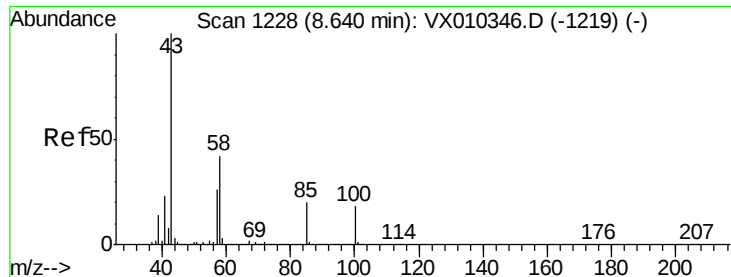
Tot Ion: 88 Resp: 23
 Ion Ratio Lower Upper
 88 100
 43 0.0 20.2 30.2#
 58 2473.9 49.5 74.3#



#50
 Toluene-d8
 Concen: 51.530 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX010760.D
 Acq: 09 Jul 2019 18:54

Tgt Ion: 98 Resp: 407926
 Ion Ratio Lower Upper
 98 100
 100 63.9 51.6 77.4

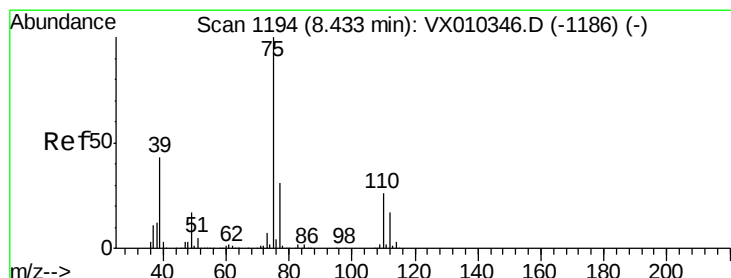
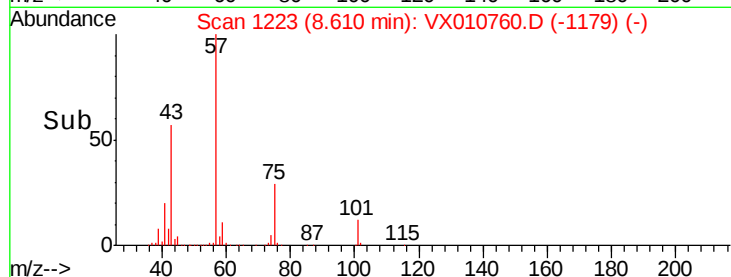
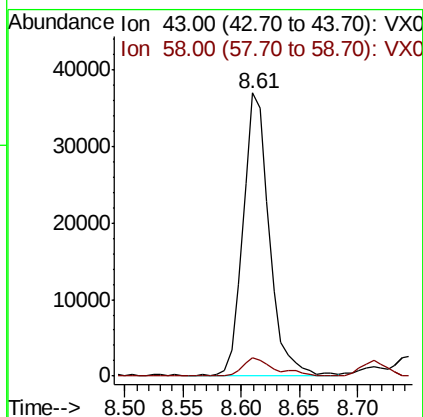
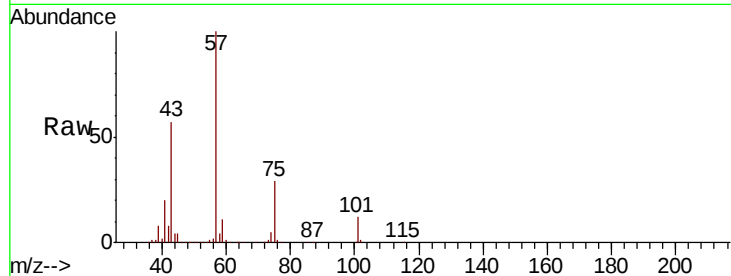




#51
 4-Methyl-2-Pentanone
 Concen: 19.713 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. -0.03 min
 Lab File: VX010760.D
 Acq: 09 Jul 2019 18:54

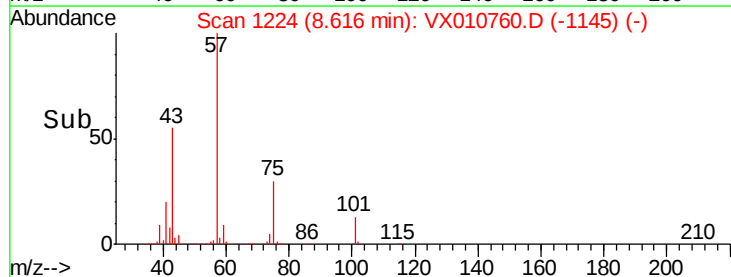
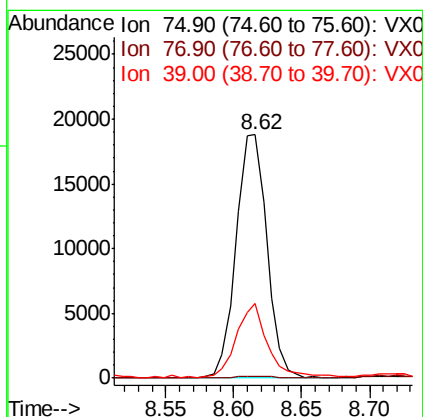
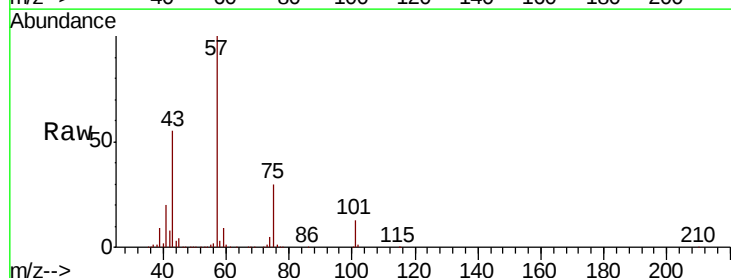
Instrument :
 MSVOA_X
 ClientSampleId :
 72-12017-VNJ-206

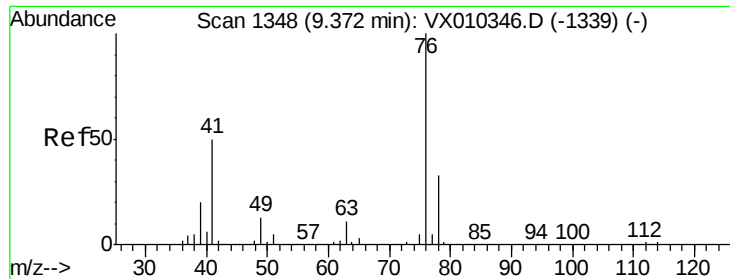
Tot Ion: 43 Resp: 57670
 Ion Ratio Lower Upper
 43 100
 58 8.0 33.5 50.3#



#54
 cis-1,3-Dichloropropene
 Concen: 8.793 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. 0.18 min
 Lab File: VX010760.D
 Acq: 09 Jul 2019 18:54

Tgt Ion: 75 Resp: 29782
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.2 37.8#
 39 30.2 34.5 51.7#

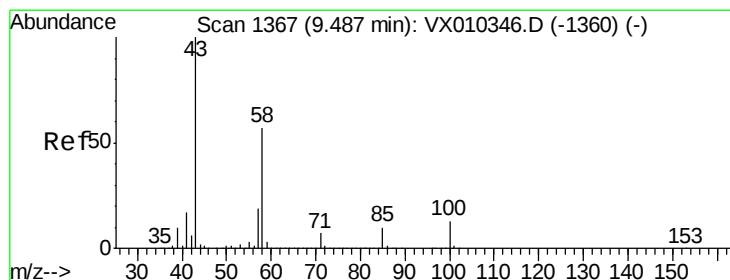
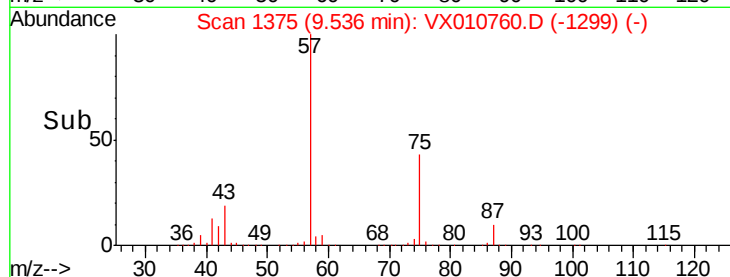
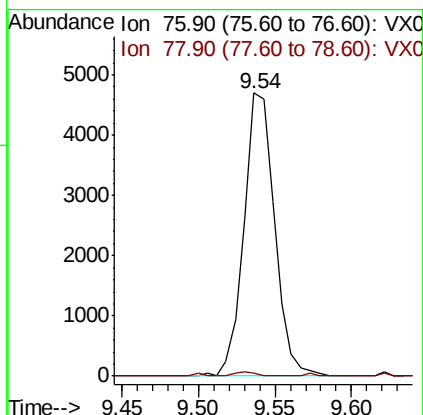
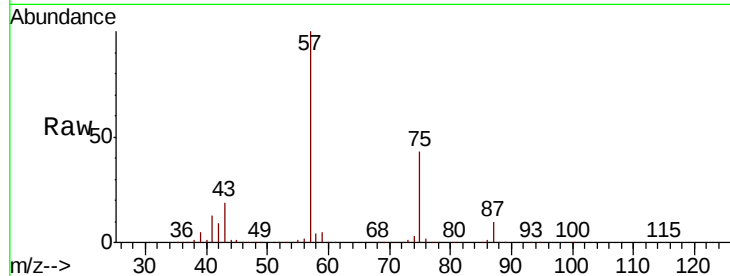




#57
 1,3-Dichloropropane
 Concen: 1.854 ug/l
 RT: 9.54 min Scan# 1375
 Delta R.T. 0.16 min
 Lab File: VX010760.D
 Acq: 09 Jul 2019 18:54

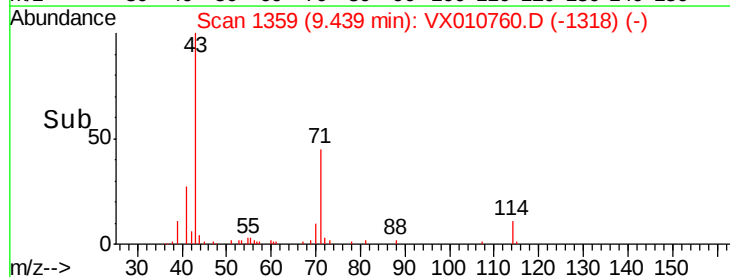
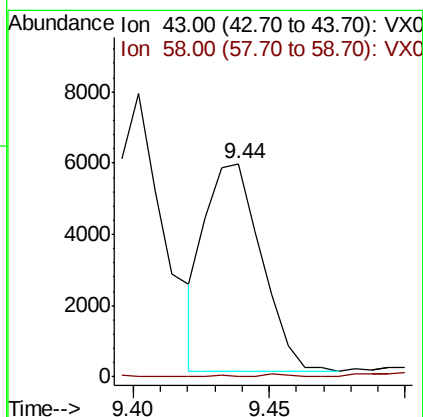
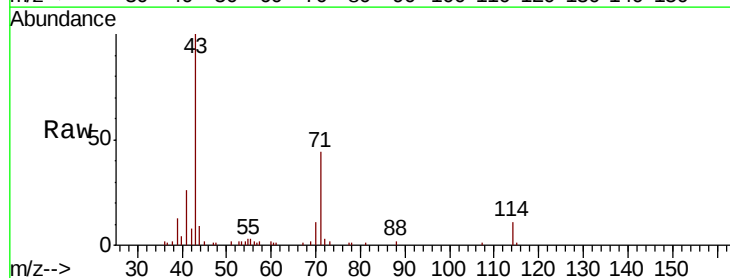
Instrument :
 MSVOA_X
 ClientSampleId :
 72-12017-VNJ-206

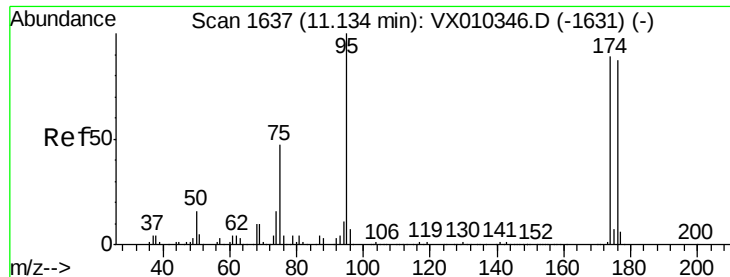
Tot Ion: 76 Resp: 6543
 Ion Ratio Lower Upper
 76 100
 78 1.0 26.1 39.1#



#59
 2-Hexanone
 Concen: 3.649 ug/l
 RT: 9.44 min Scan# 1359
 Delta R.T. -0.05 min
 Lab File: VX010760.D
 Acq: 09 Jul 2019 18:54

Tgt Ion: 43 Resp: 8401
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.0 87.1#





#62

4-Bromofluorobenzene

Concen: 47.902 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010760.D

Acq: 09 Jul 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

72-12017-VNJ-206

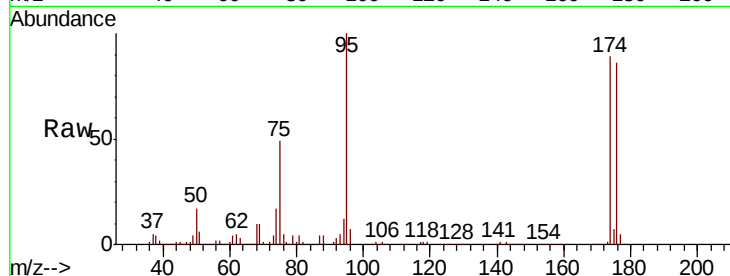
Tot Ion: 95 Resp: 136904

Ion Ratio Lower Upper

95 100

174 94.0 0.0 187.6

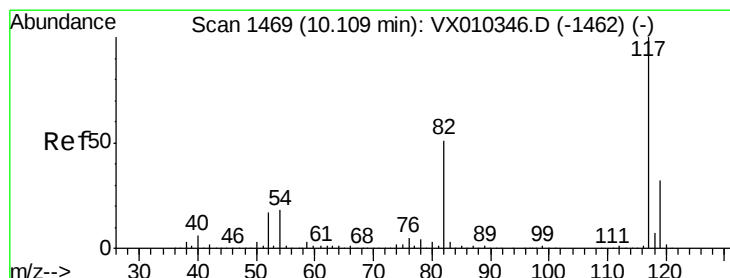
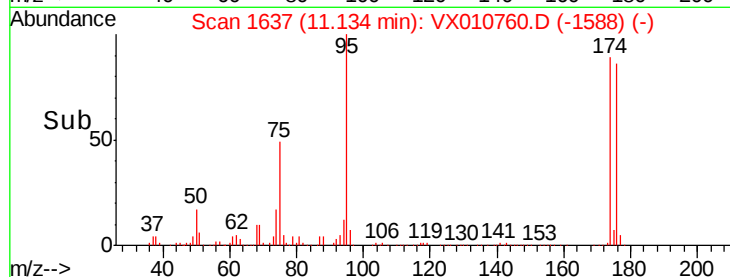
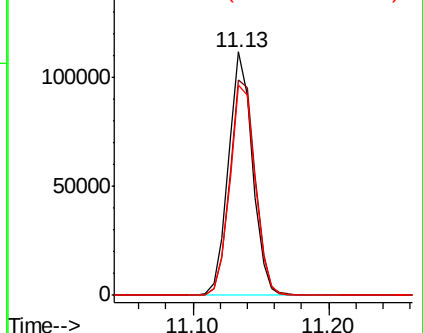
176 91.3 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010760.D

Acq: 09 Jul 2019 18:54

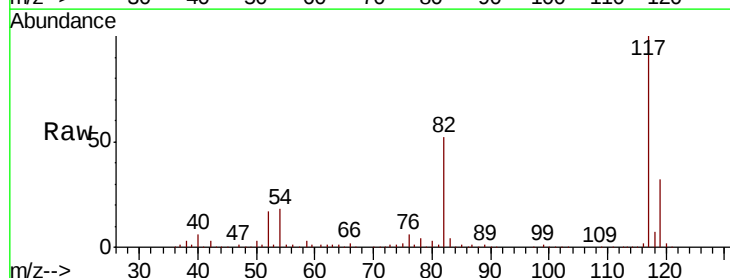
Tgt Ion: 117 Resp: 316899

Ion Ratio Lower Upper

117 100

82 51.6 41.2 61.8

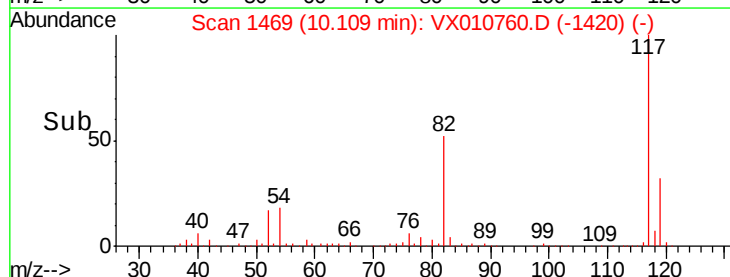
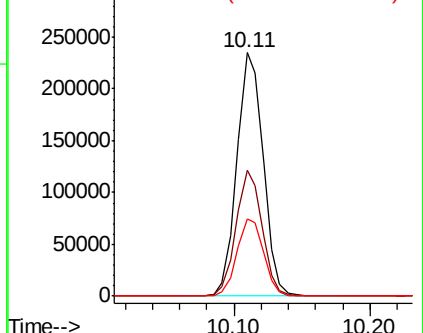
119 31.8 25.5 38.3

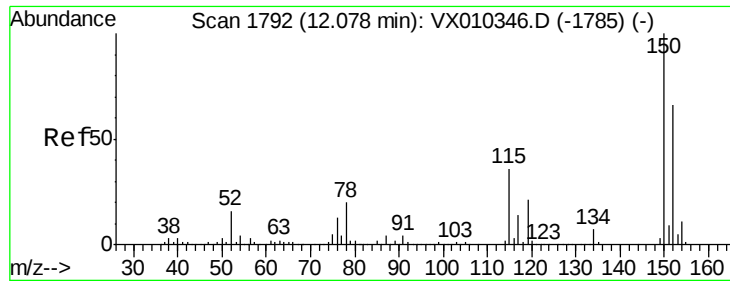


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010760.D

Acq: 09 Jul 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

72-12017-VNJ-206

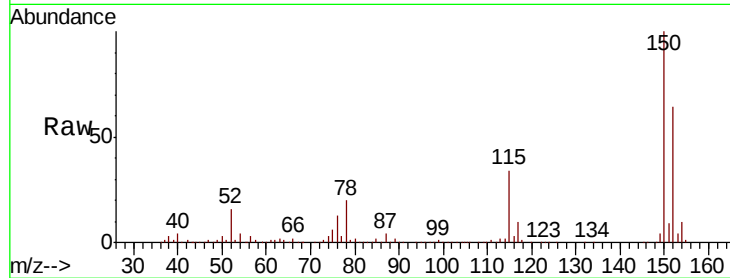
Tot Ion:152 Resp: 145854

Ion Ratio Lower Upper

152 100

115 54.4 38.6 115.7

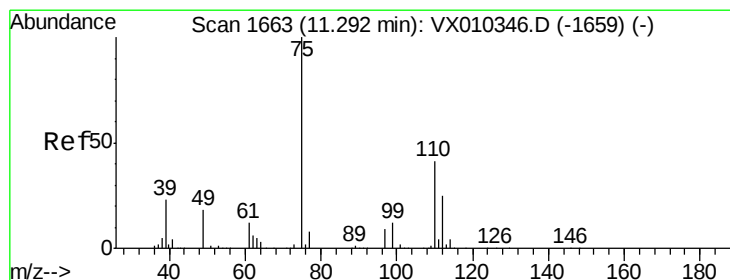
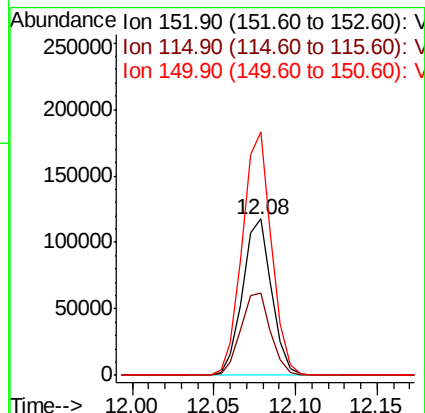
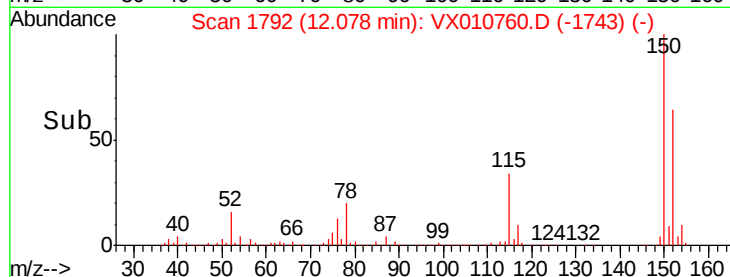
150 156.8 0.0 347.4



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: 25.515 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010760.D

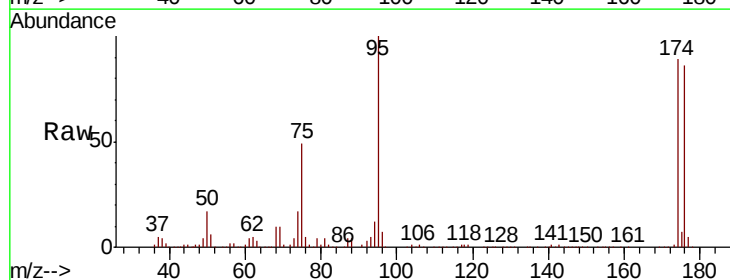
Acq: 09 Jul 2019 18:54

Tgt Ion: 75 Resp: 67815

Ion Ratio Lower Upper

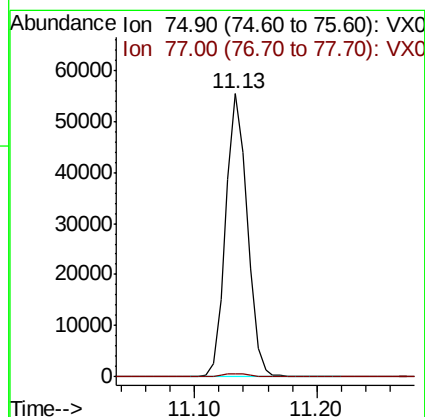
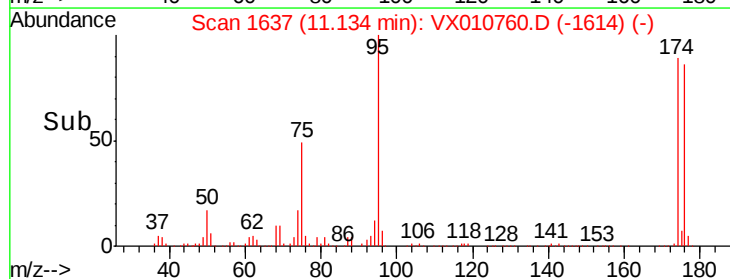
75 100

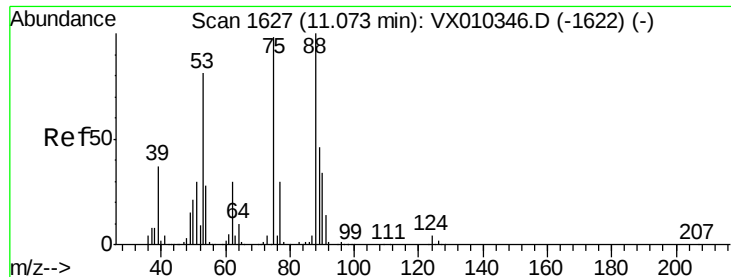
77 1.5 22.6 67.8#



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: 59.524 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010760.D
 Acq: 09 Jul 2019 18:54

Instrument :
 MSVOA_X
 ClientSampleId :
 72-12017-VNJ-206

Tot Ion: 75 Resp: 67815
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.1 99.1#
 89 0.0 37.8 56.6#

