

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062119\
 Data File : VX010375.D
 Acq On : 21 Jun 2019 11:19
 Operator : JC/SP
 Sample : VX0621WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0621WBL01

Quant Time: Jun 21 23:09:20 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	5.66	168	287797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	435816	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	371604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	165653	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	142066	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	
35) Dibromofluoromethane	5.49	113	142920	53.60	ug/l	0.00
Spiked Amount			Recovery	=	107.20%	
50) Toluene-d8	8.71	98	540433	52.98	ug/l	0.00
Spiked Amount			Recovery	=	105.96%	
62) 4-Bromofluorobenzene	11.13	95	173702	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	

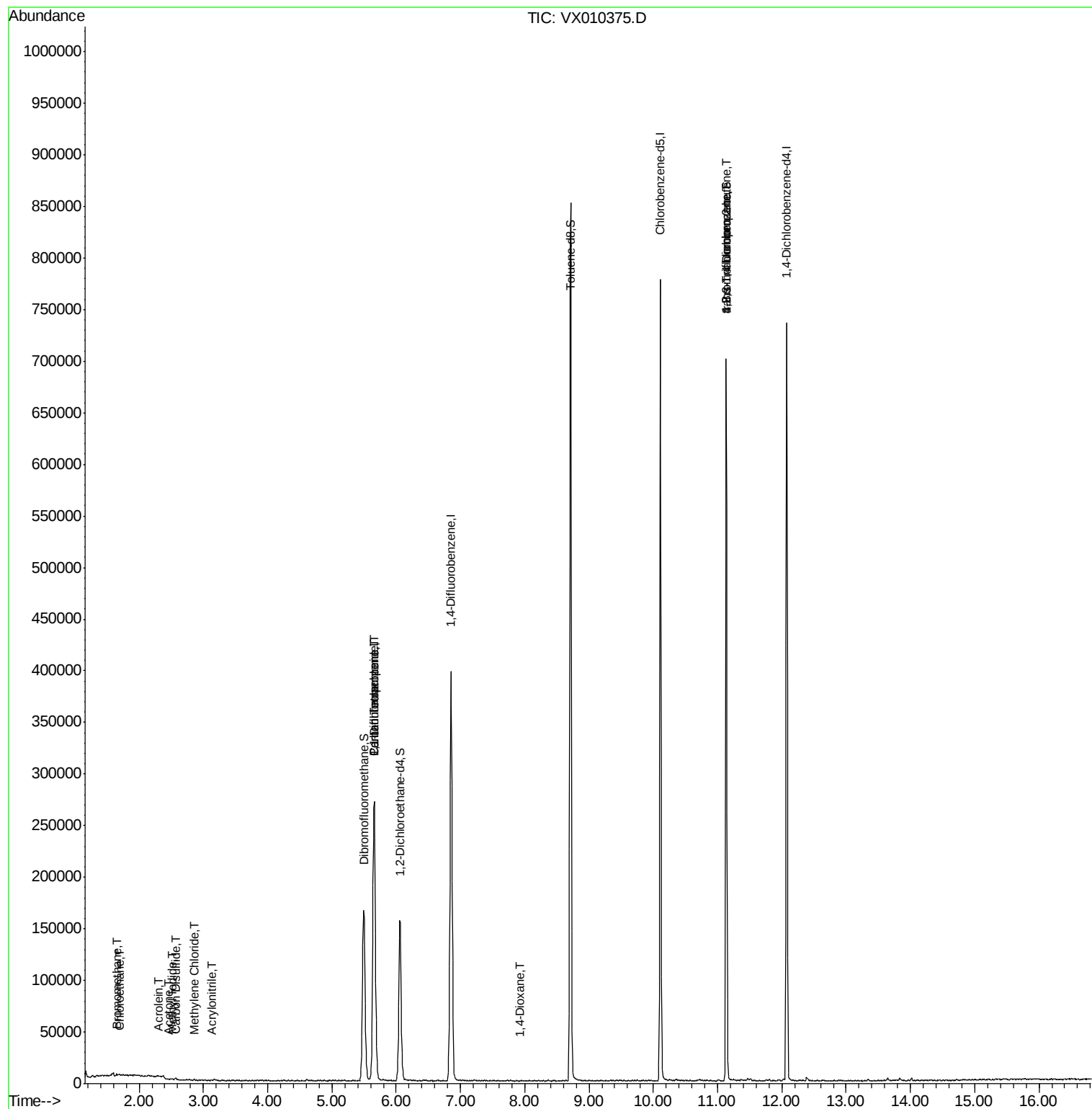
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	837	0.673	ug/l	96
6) Chloroethane	1.70	64	1273	0.846	ug/l #	58
10) Methyl Iodide	2.51	142	1657	0.474	ug/l #	95
13) Acrolein	2.30	56	939	2.005	ug/l #	77
15) Acrylonitrile	3.14	53	333	0.238	ug/l #	9
16) Acetone	2.45	43	370	0.274	ug/l	95
17) Carbon Disulfide	2.57	76	2449	0.366	ug/l #	90
20) Methylene Chloride	2.86	84	560	0.201	ug/l #	86
36) 1,1-Dichloropropene	5.65	75	16829	4.859	ug/l #	48
38) Carbon Tetrachloride	5.66	117	24844	6.625	ug/l #	15
49) 1,4-Dioxane	7.93	88	29	0.367	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	80236	26.580	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	80236	62.009	ug/l #	16

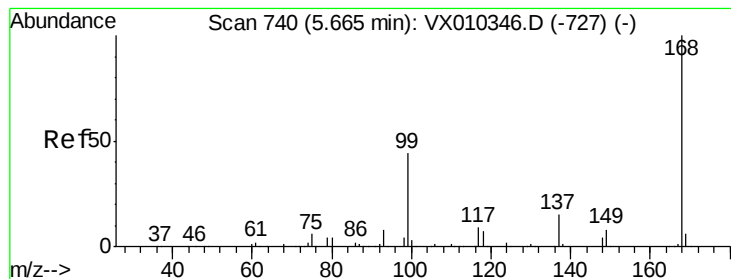
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062119\
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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
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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: VX010375.D

Acq: 21 Jun 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

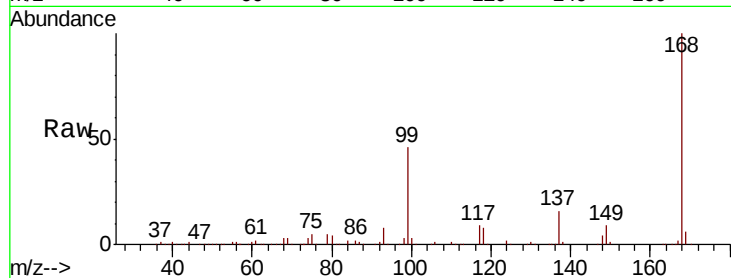
VX0621WBL01

Tot Ion:168 Resp: 287797

Ion Ratio Lower Upper

168 100

99 45.9 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

60000

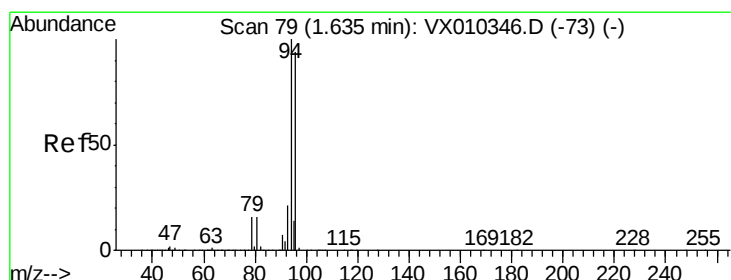
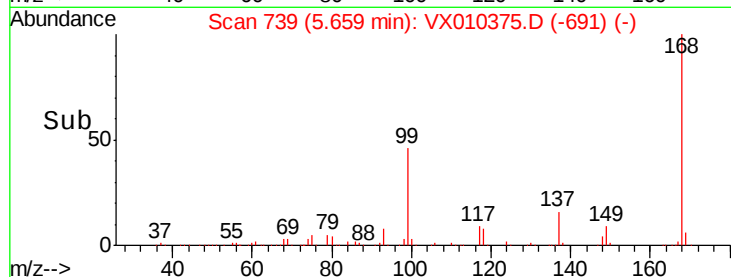
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.673 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010375.D

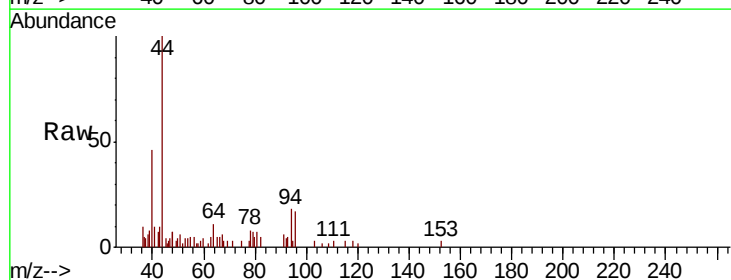
Acq: 21 Jun 2019 11:19

Tgt Ion: 94 Resp: 837

Ion Ratio Lower Upper

94 100

96 98.5 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

300

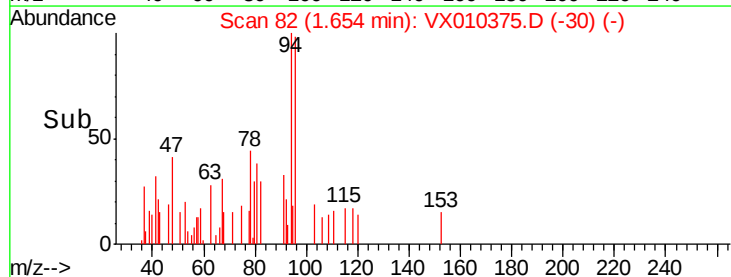
200

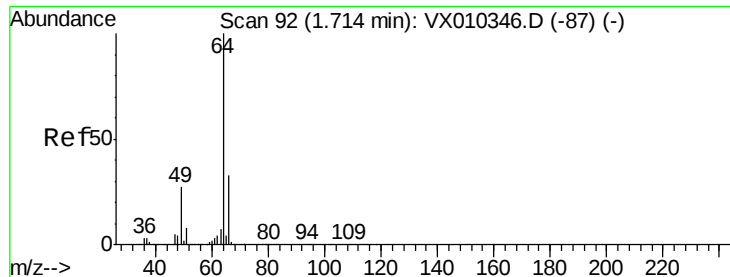
100

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.846 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX010375.D

Acq: 21 Jun 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

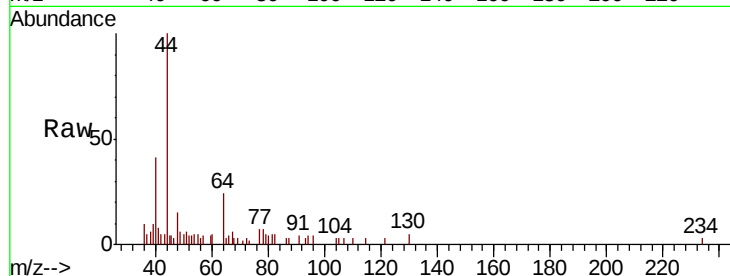
VX0621WBL01

Tot Ion: 64 Resp: 1273

Ion Ratio Lower Upper

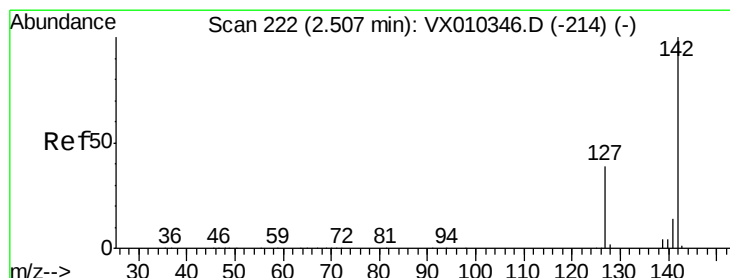
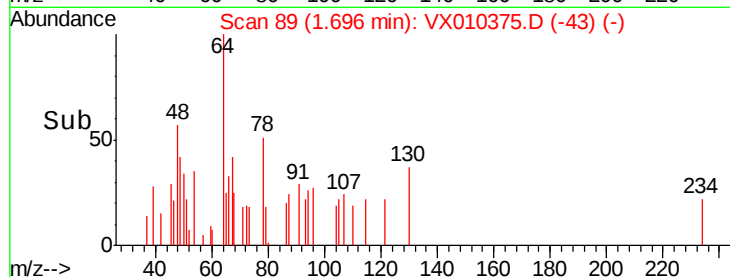
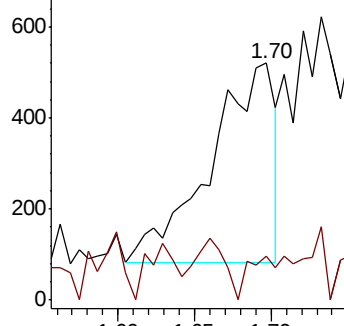
64 100

66 9.7 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.474 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX010375.D

Acq: 21 Jun 2019 11:19

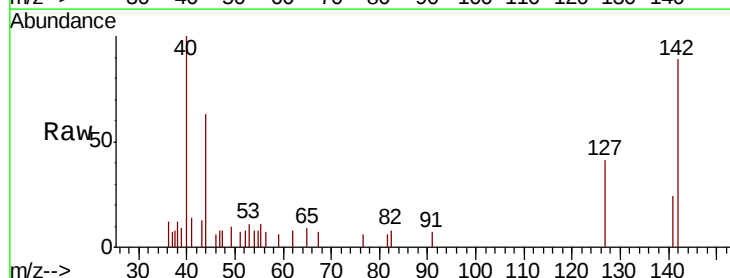
Tgt Ion: 142 Resp: 1657

Ion Ratio Lower Upper

142 100

127 40.7 31.1 46.7

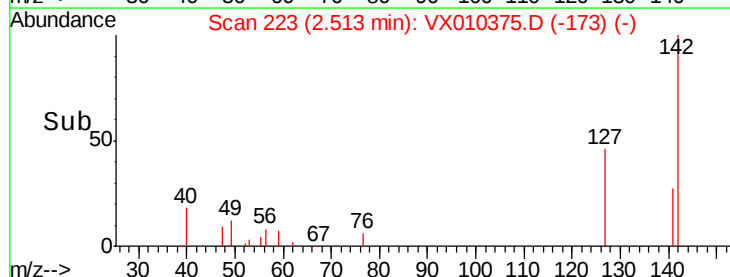
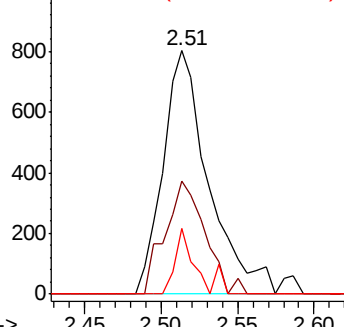
141 10.3 11.2 16.8#



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





#13

Acrolein

Concen: 2.005 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010375.D

Acq: 21 Jun 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

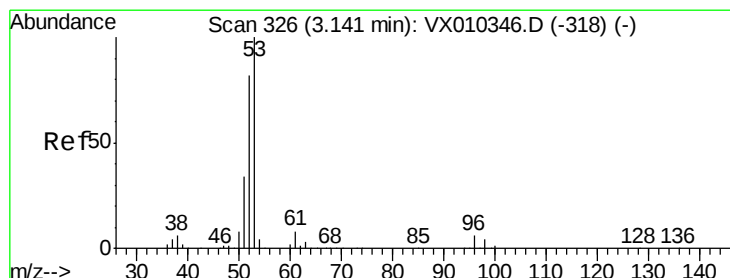
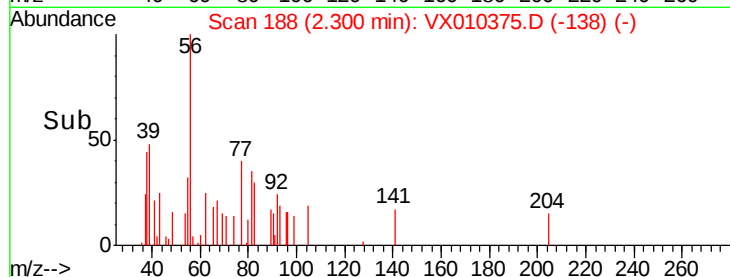
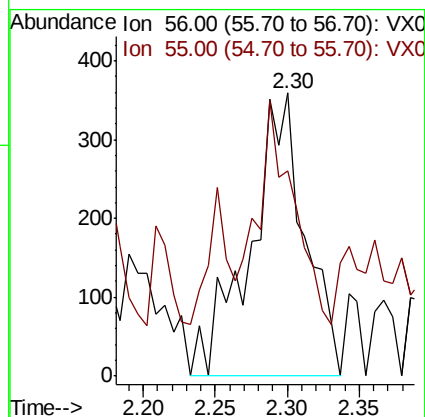
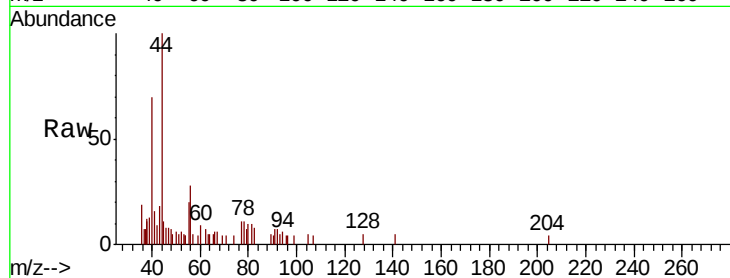
VX0621WBL01

Tot Ion: 56 Resp: 939

Ion Ratio Lower Upper

56 100

55 51.9 56.9 85.3#



#15

Acrylonitrile

Concen: 0.238 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010375.D

Acq: 21 Jun 2019 11:19

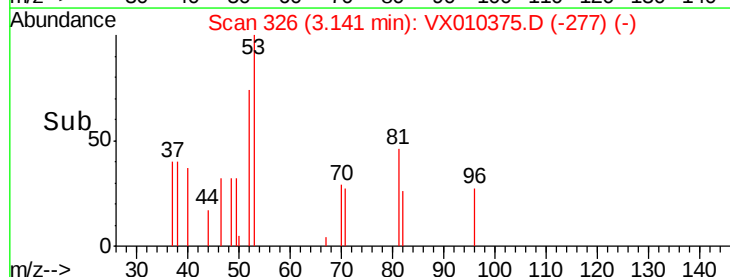
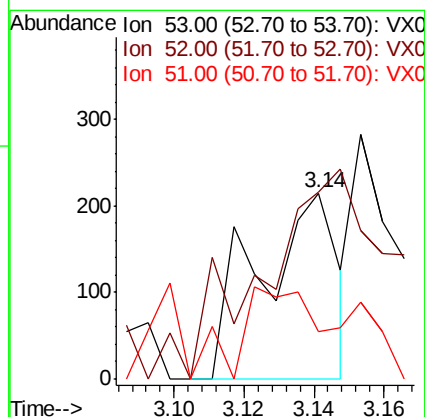
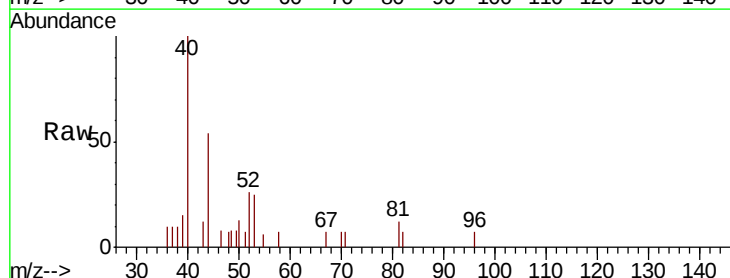
Tgt Ion: 53 Resp: 333

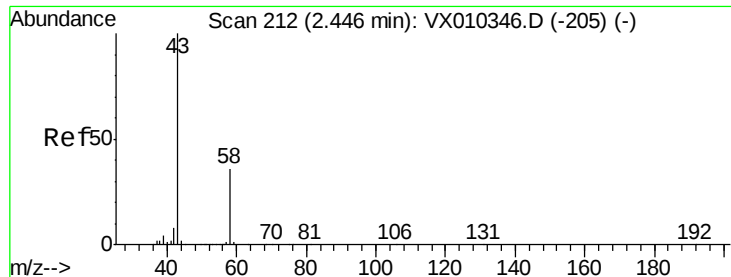
Ion Ratio Lower Upper

53 100

52 175.1 65.5 98.3#

51 0.0 28.2 42.4#





#16

Acetone

Concen: 0.274 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010375.D

Acq: 21 Jun 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

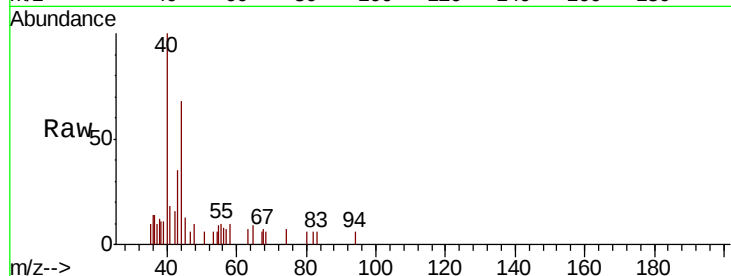
VX0621WBL01

Tot Ion: 43 Resp: 370

Ion Ratio Lower Upper

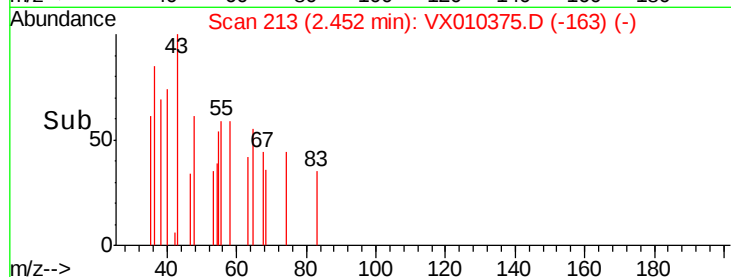
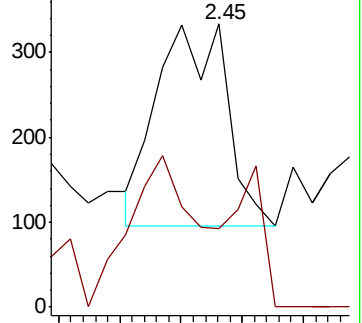
43 100

58 39.2 28.9 43.3

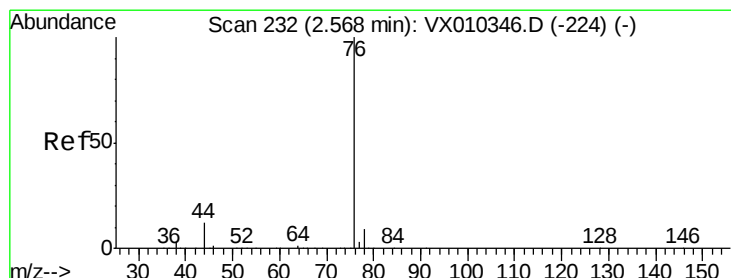


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time--> 2.40 2.42 2.44 2.46 2.48



#17

Carbon Disulfide

Concen: 0.366 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010375.D

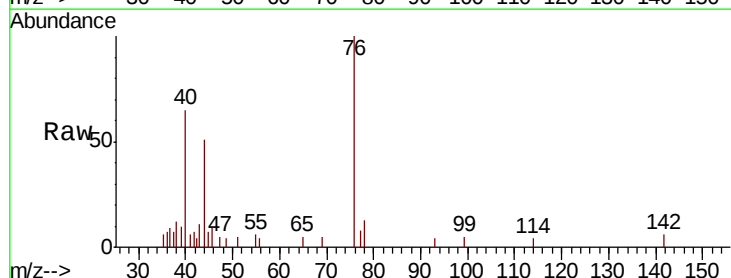
Acq: 21 Jun 2019 11:19

Tgt Ion: 76 Resp: 2449

Ion Ratio Lower Upper

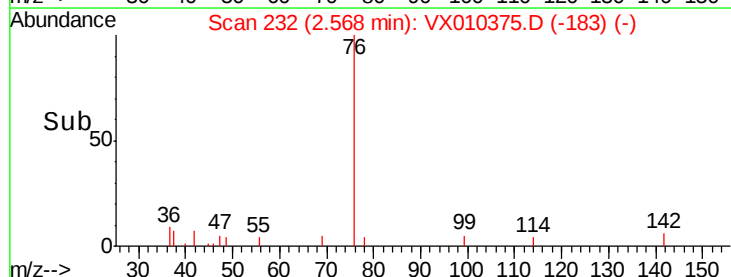
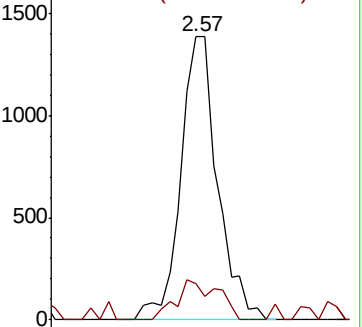
76 100

78 12.9 7.3 10.9#

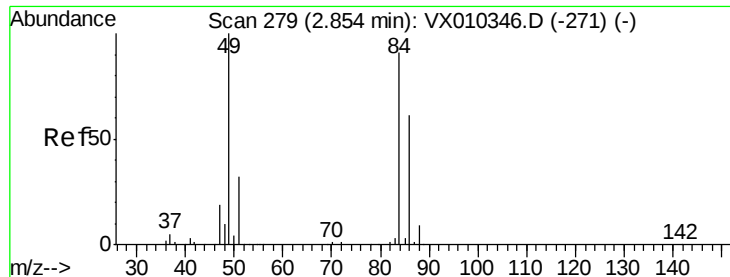


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



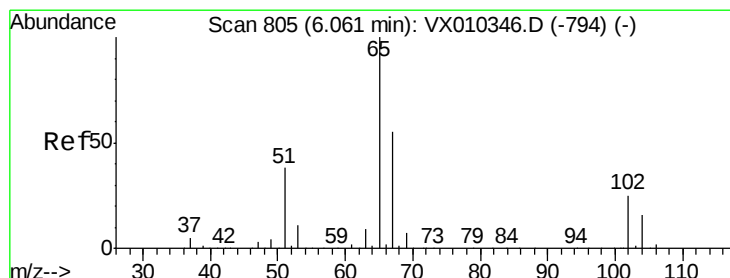
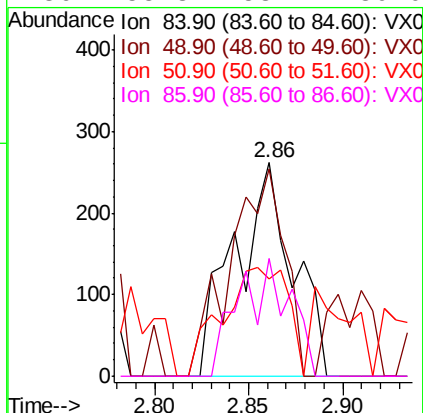
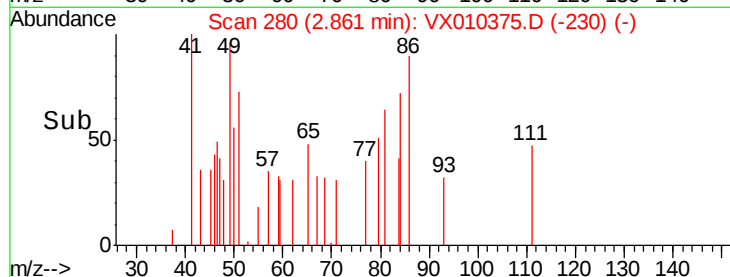
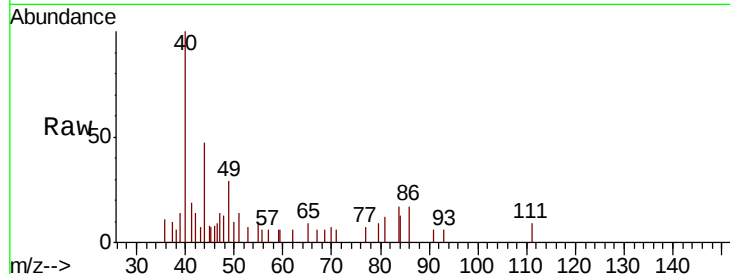
Time--> 2.50 2.55 2.60 2.65



#20
Methvlene Chloride
Concen: 0.201 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010375.D
Acq: 21 Jun 2019 11:19

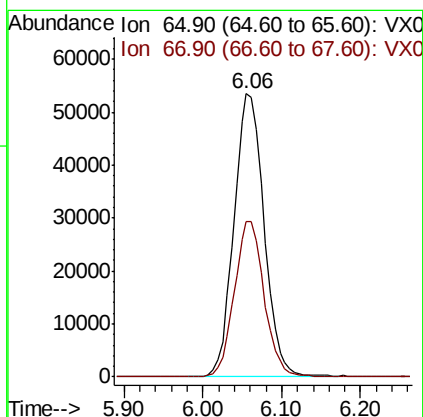
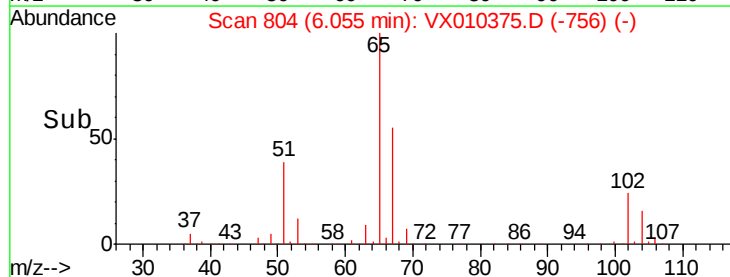
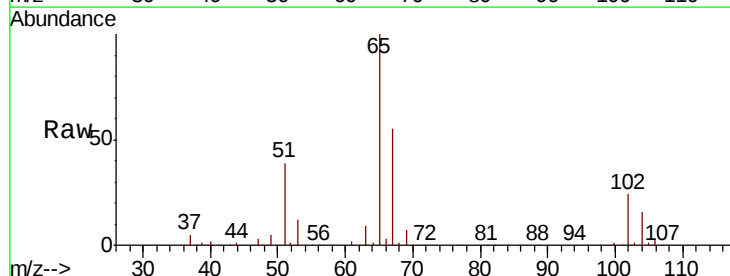
Instrument :
MSVOA_X
ClientSampleId :
VX0621WBL01

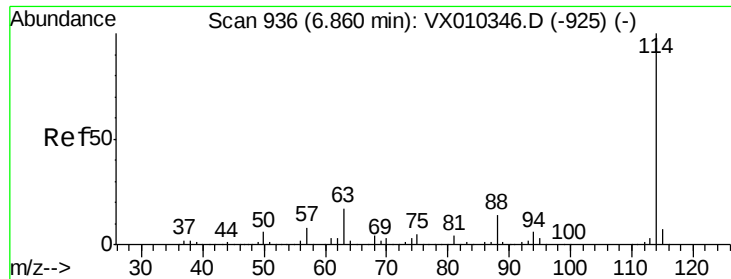
Tot Ion: 84 Resp: 560
Ion Ratio Lower Upper
84 100
49 96.9 87.5 131.3
51 45.4 27.7 41.5#
86 55.3 53.4 80.0



#33
1,2-Dichloroethane-d4
Concen: 52.649 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.01 min
Lab File: VX010375.D
Acq: 21 Jun 2019 11:19

Tgt Ion: 65 Resp: 142066
Ion Ratio Lower Upper
65 100
67 54.4 0.0 110.2

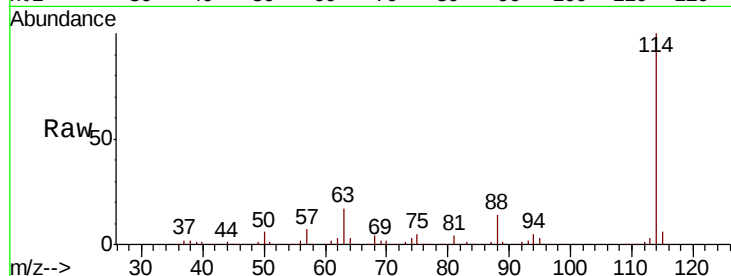




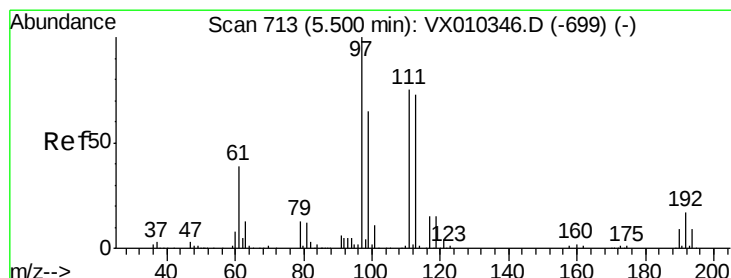
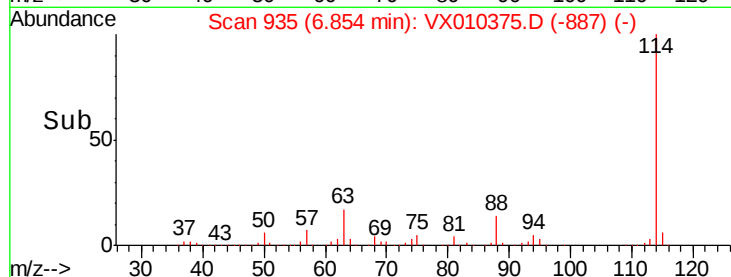
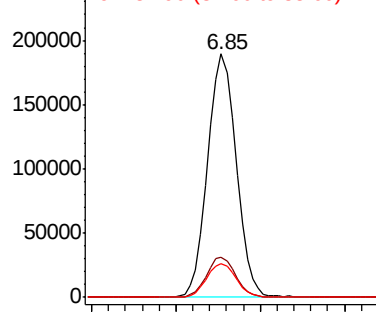
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.01 min
Lab File: VX010375.D
Acq: 21 Jun 2019 11:19

Instrument :
MSVOA_X
ClientSampleId :
VX0621WBL01

Tot Ion:114 Resp: 435816
Ion Ratio Lower Upper
114 100
63 16.6 0.0 33.8
88 13.9 0.0 27.6

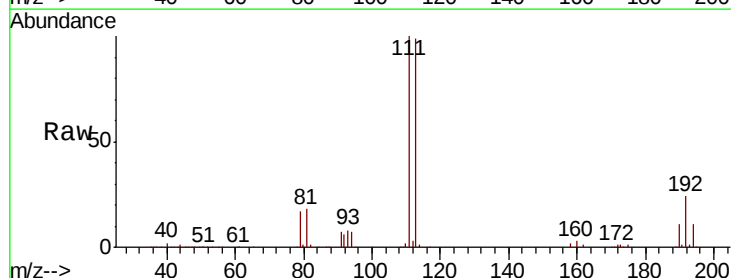


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

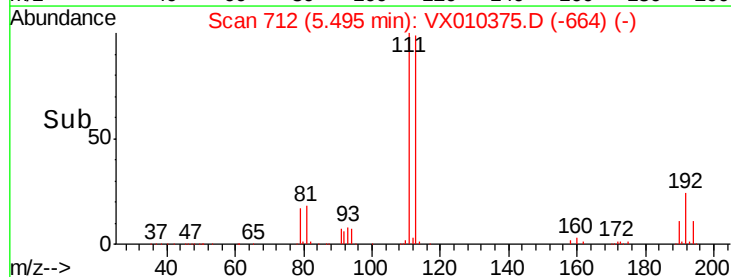
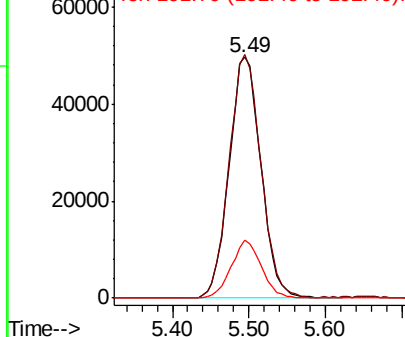


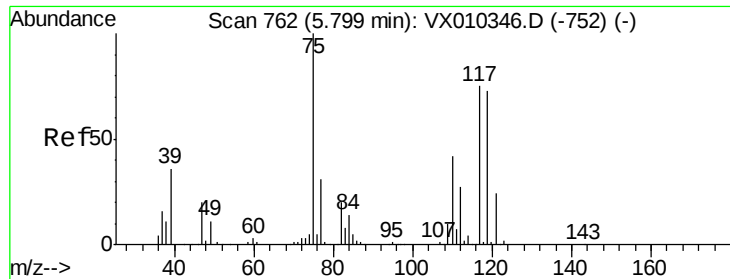
#35
Dibromofluoromethane
Concen: 53.599 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX010375.D
Acq: 21 Jun 2019 11:19

Tgt Ion:113 Resp: 142920
Ion Ratio Lower Upper
113 100
111 101.0 81.2 121.8
192 22.7 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

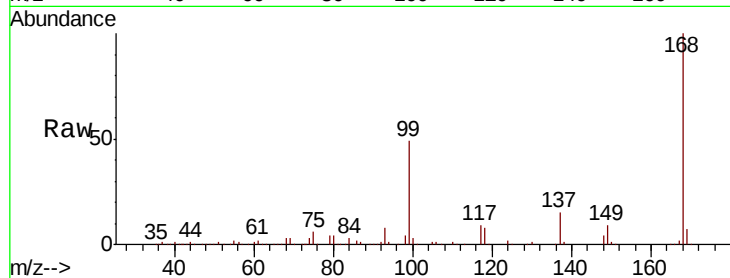




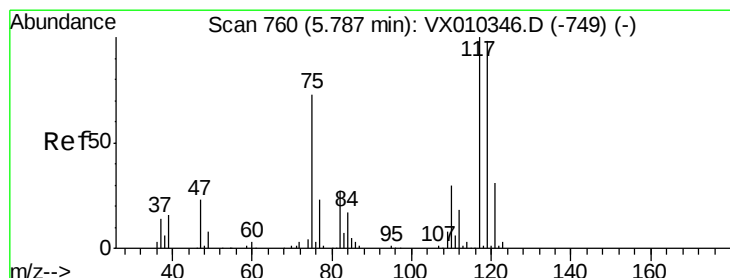
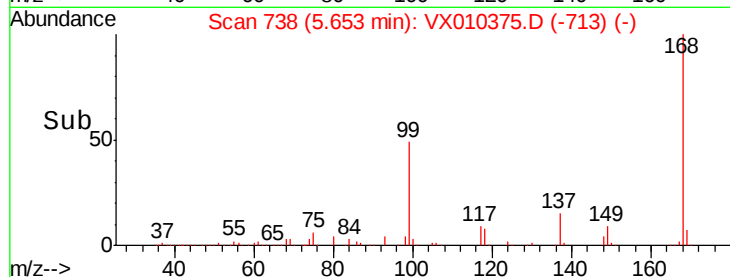
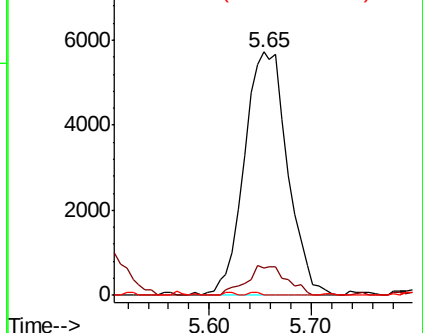
#36
 1,1-Dichloropropene
 Concen: 4.859 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX010375.D
 Acq: 21 Jun 2019 11:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0621WBL01

Tot Ion	75	Resp	16829
Ion Ratio	100	Lower	Upper
110	11.3	20.8	62.2#
77	0.3	25.4	38.0#

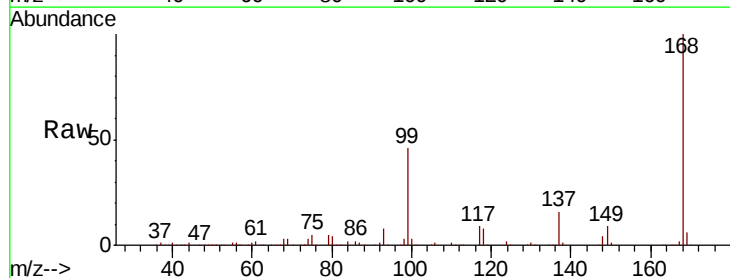


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

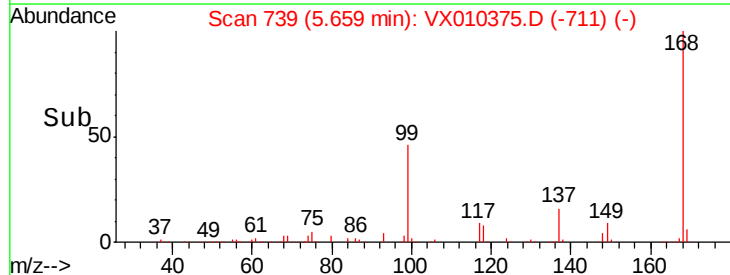
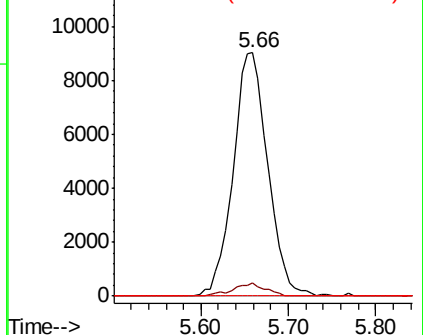


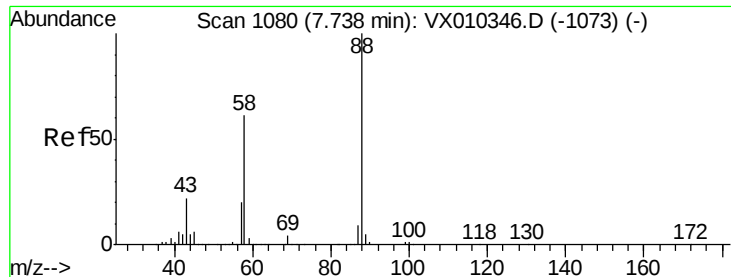
#38
 Carbon Tetrachloride
 Concen: 6.625 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010375.D
 Acq: 21 Jun 2019 11:19

Tgt Ion	117	Resp	24844
Ion Ratio	100	Lower	Upper
119	5.2	78.2	117.4#
121	0.0	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

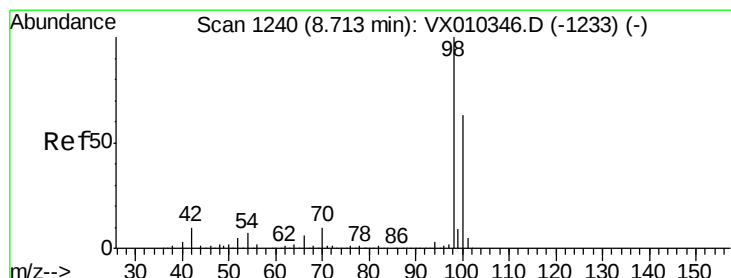
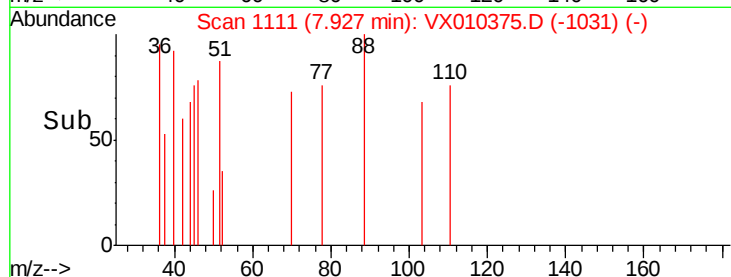
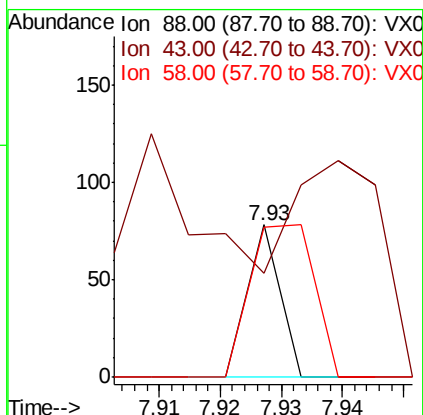
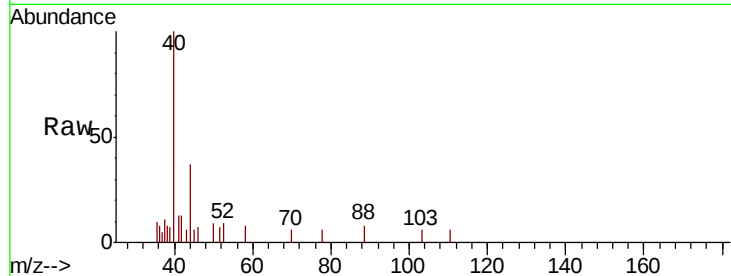




#49
1,4-Dioxane
Concen: 0.367 ug/l
RT: 7.93 min Scan# 1111
Delta R.T. 0.19 min
Lab File: VX010375.D
Acq: 21 Jun 2019 11:19

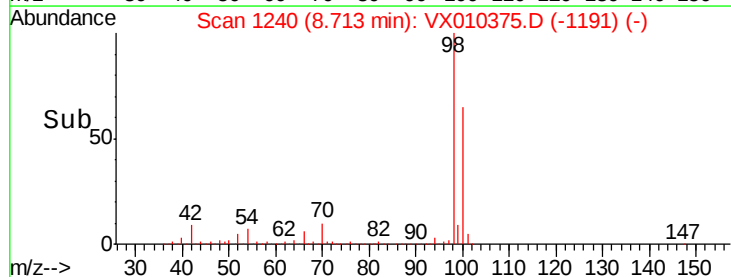
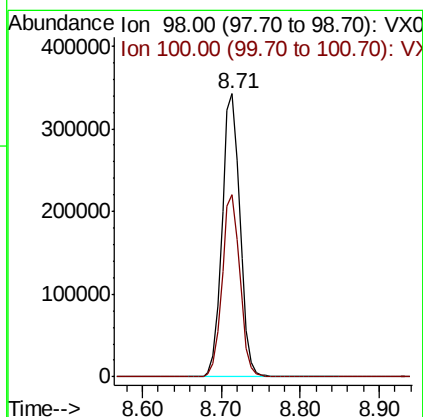
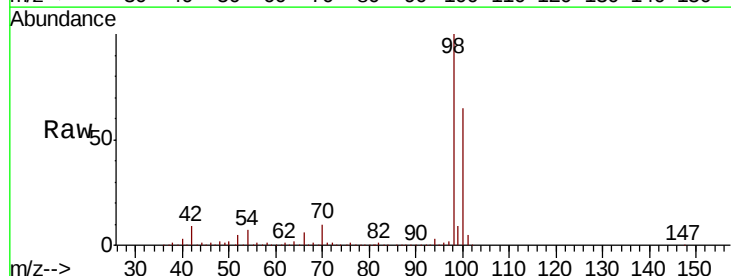
Instrument :
MSVOA_X
ClientSampleId :
VX0621WBL01

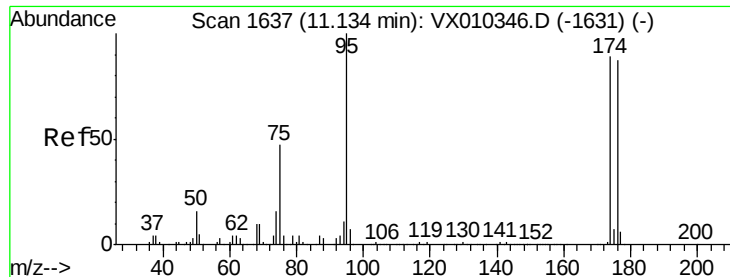
Tot Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 389.7 20.2 30.2#
58 196.6 49.5 74.3#



#50
Toluene-d8
Concen: 52.976 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010375.D
Acq: 21 Jun 2019 11:19

Tgt Ion: 98 Resp: 540433
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 47.163 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010375.D

Acq: 21 Jun 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

VX0621WBL01

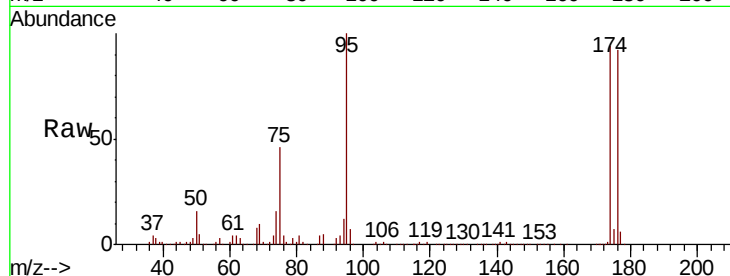
Tot Ion: 95 Resp: 173702

Ion Ratio Lower Upper

95 100

174 96.2 0.0 187.6

176 92.6 0.0 184.0

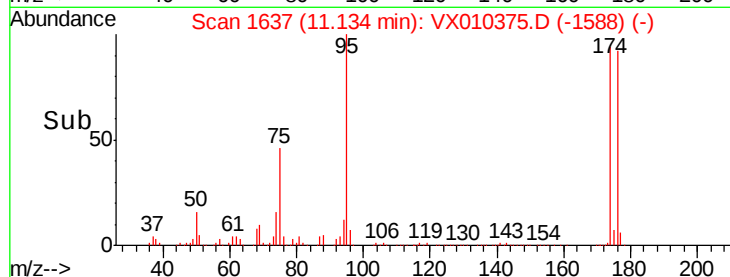


Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)

Time-->

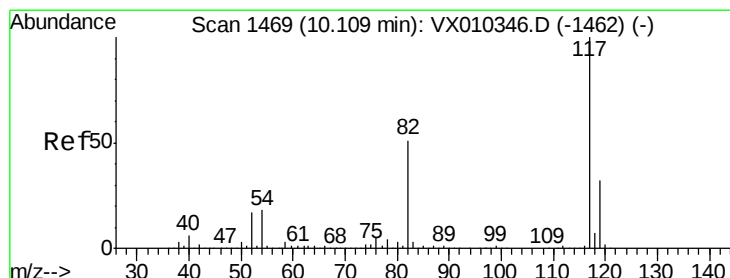


Abundance Ion 94.90 (94.60 to 95.60): VX010375.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX010375.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX010375.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010375.D

Acq: 21 Jun 2019 11:19

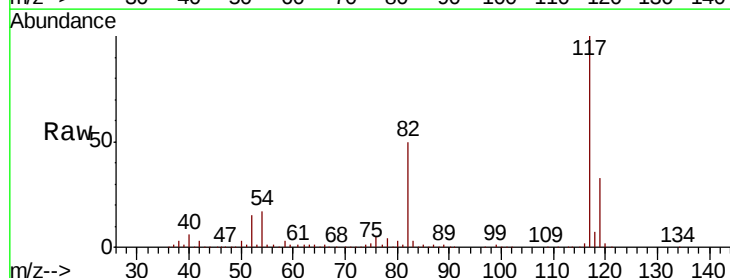
Tgt Ion: 117 Resp: 371604

Ion Ratio Lower Upper

117 100

82 50.3 41.2 61.8

119 33.0 25.5 38.3

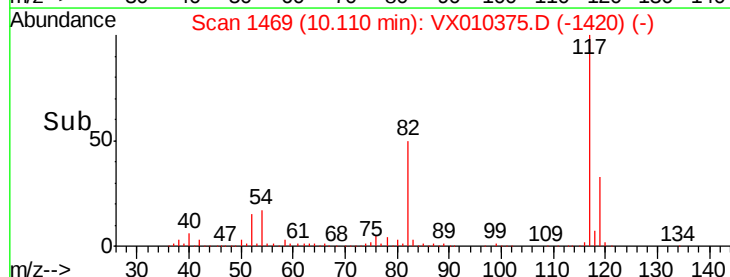


Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)

Time-->

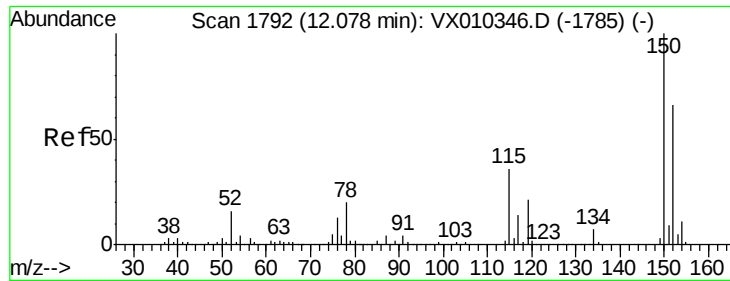


Abundance Ion 116.90 (116.60 to 117.60): VX010375.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010375.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010375.D (-1420) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010375.D

Acq: 21 Jun 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

VX0621WBL01

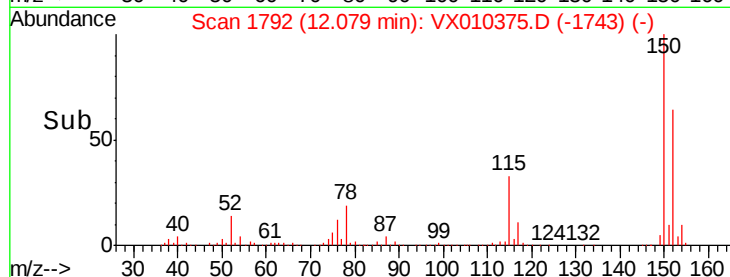
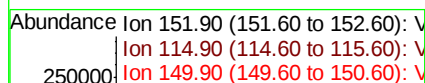
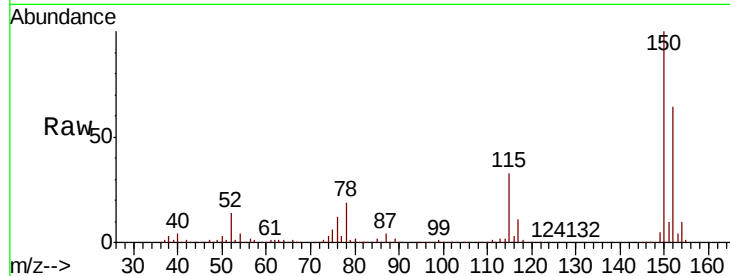
Tot Ion:152 Resp: 165653

Ion Ratio Lower Upper

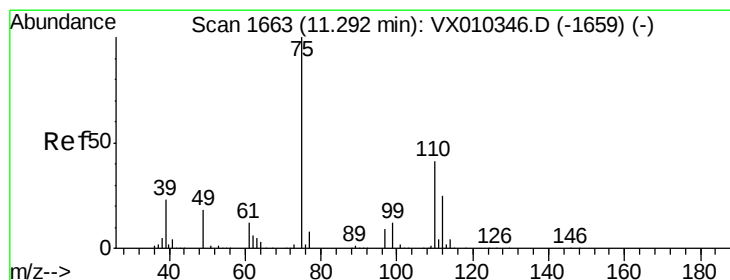
152 100

115 53.8 38.6 115.7

150 155.3 0.0 347.4



Time-->



#76

1,2,3-Trichloropropane

Concen: 26.580 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010375.D

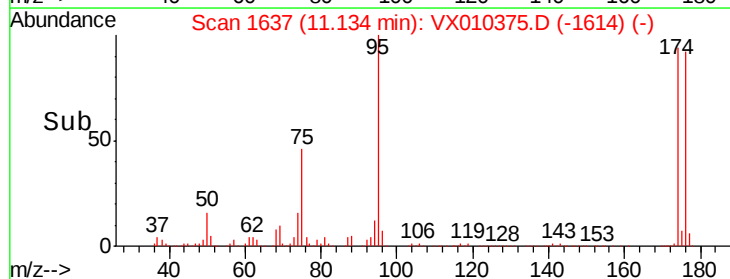
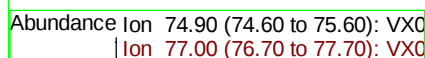
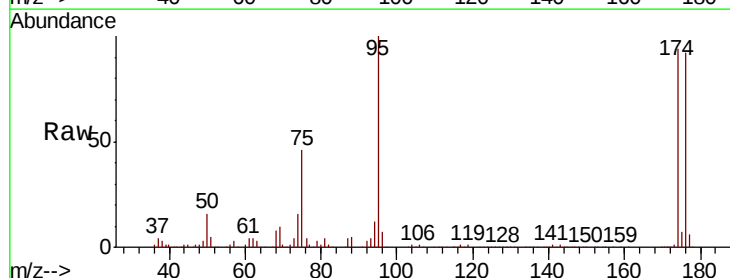
Acq: 21 Jun 2019 11:19

Tgt Ion: 75 Resp: 80236

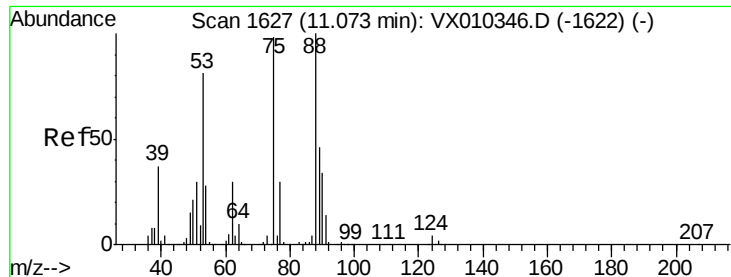
Ion Ratio Lower Upper

75 100

77 1.3 22.6 67.8#



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 62.009 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010375.D

Acq: 21 Jun 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

VX0621WBL01

Tot Ion: 75 Resp: 80236

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.1 37.8 56.6#

