

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062019\
 Data File : VX010360.D
 Acq On : 20 Jun 2019 16:25
 Operator : JC/SP
 Sample : K3469-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 21 01:22:29 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	316602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	477408	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	423503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	196537	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	143970	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
35) Dibromofluoromethane	5.50	113	147015	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
50) Toluene-d8	8.71	98	558718	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.13	95	187596	46.50	ug/l	0.00
Spiked Amount			Recovery	=	93.00%	

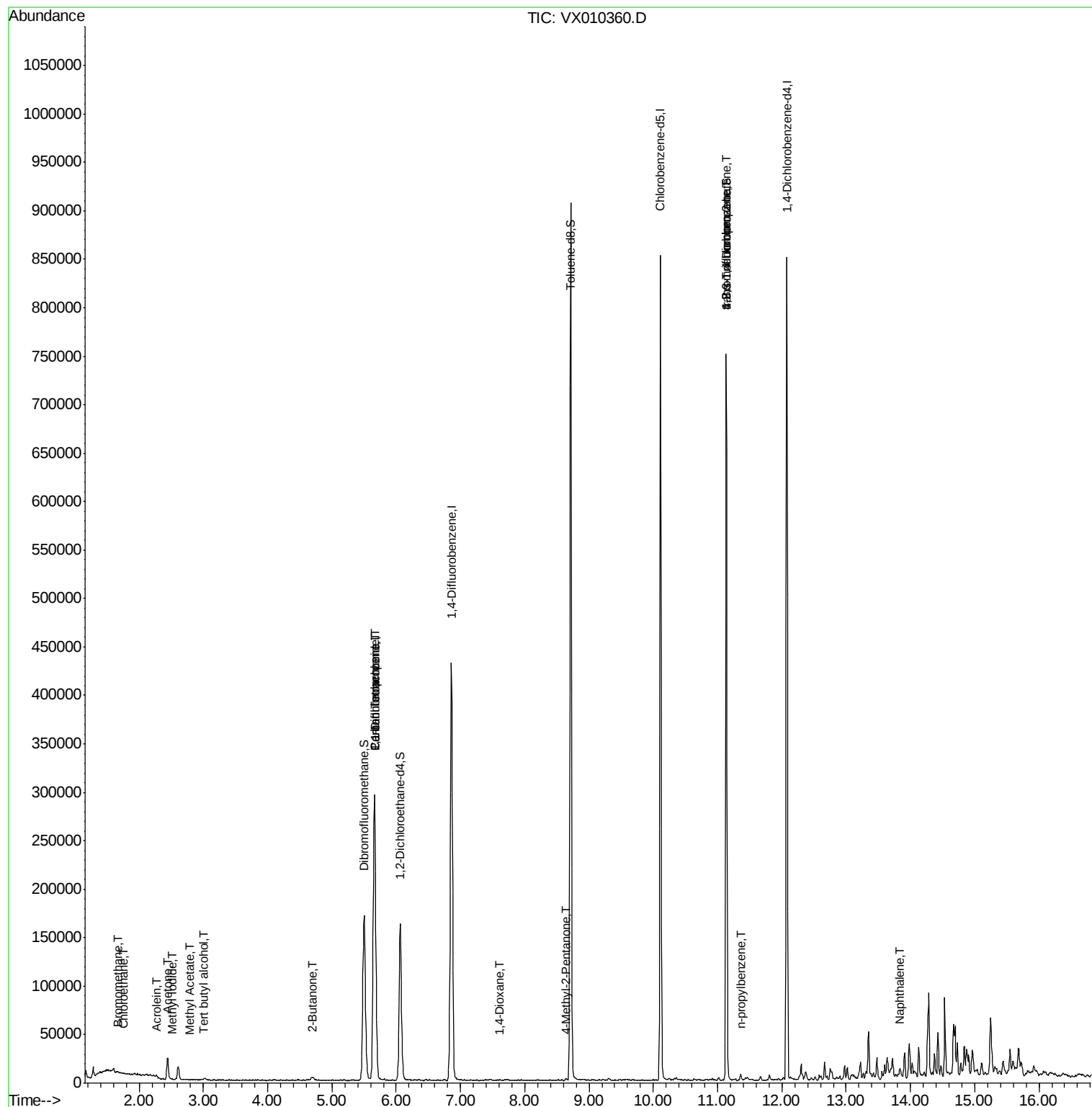
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	713	0.521	ug/l #	64
6) Chloroethane	1.76	64	408	0.246	ug/l #	58
10) Methyl Iodide	2.52	142	1173	0.305	ug/l #	86
11) Tert butyl alcohol	3.01	59	735	0.946	ug/l #	91
13) Acrolein	2.28	56	248	0.481	ug/l	99
16) Acetone	2.44	43	25042	16.833	ug/l #	88
18) Methyl Acetate	2.78	43	852	0.287	ug/l #	59
25) 2-Butanone	4.69	43	3006	1.377	ug/l #	70
36) 1,1-Dichloropropene	5.67	75	19018	5.013	ug/l #	48
38) Carbon Tetrachloride	5.66	117	27875	6.785	ug/l #	16
49) 1,4-Dioxane	7.60	88	47	0.544	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	907	0.220	ug/l #	86
76) 1,2,3-Trichloropropane	11.13	75	87226	24.355	ug/l #	33
78) n-propylbenzene	11.36	91	4111	0.281	ug/l	83
81) trans-1,4-Dichloro-2-buten	11.13	75	87226	56.818	ug/l #	16
95) Naphthalene	13.83	128	5591	0.407	ug/l #	86

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010360.D

Acq: 20 Jun 2019 16:25

Instrument :

MSVOA_X

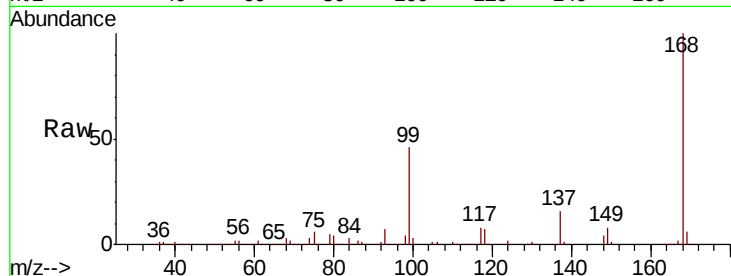
ClientSampleId :

Tot Ion:168 Resp: 316602

Ion Ratio Lower Upper

168 100

99 46.5 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

120000

100000

80000

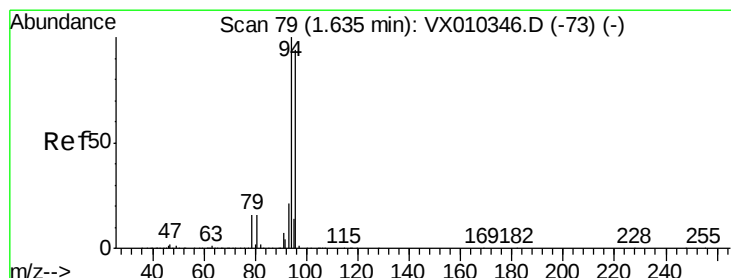
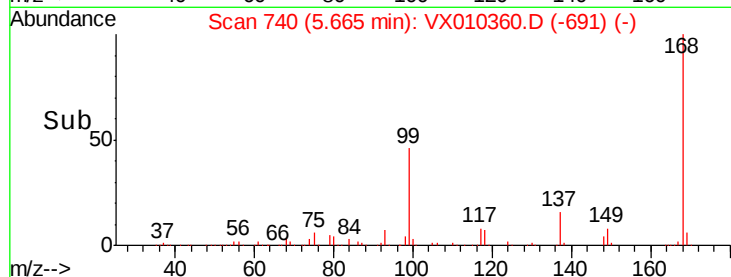
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.521 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010360.D

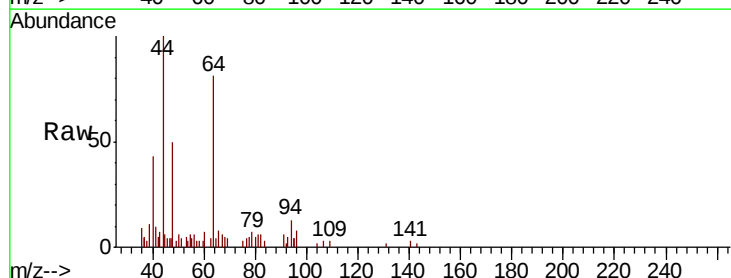
Acq: 20 Jun 2019 16:25

Tgt Ion: 94 Resp: 713

Ion Ratio Lower Upper

94 100

96 59.7 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

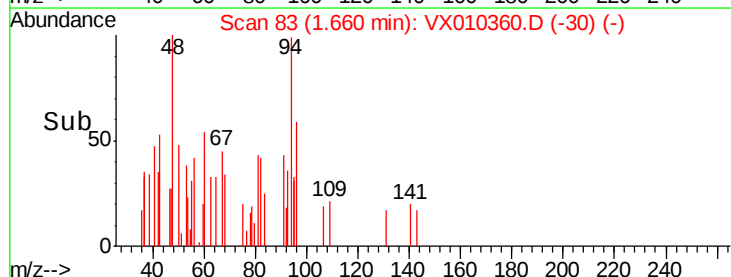
300

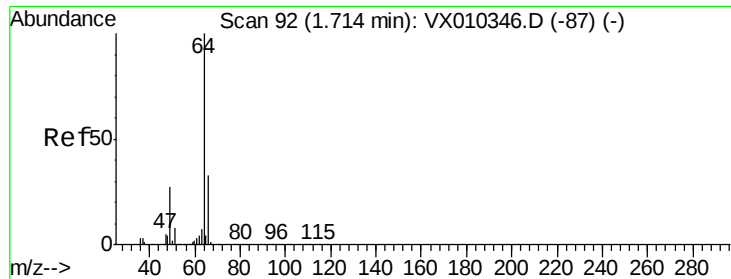
200

100

0

Time-->





#6

Chloroethane

Concen: 0.246 ug/l

RT: 1.76 min Scan# 99

Delta R.T. 0.04 min

Lab File: VX010360.D

Acq: 20 Jun 2019 16:25

Instrument :

MSVOA_X

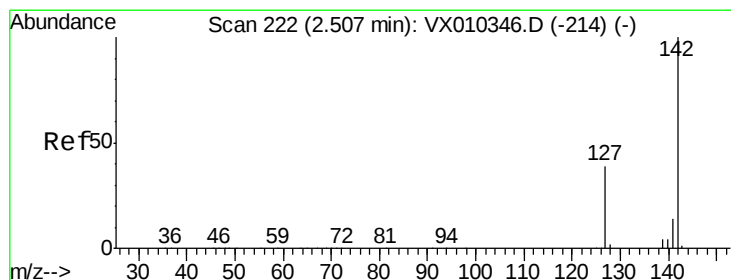
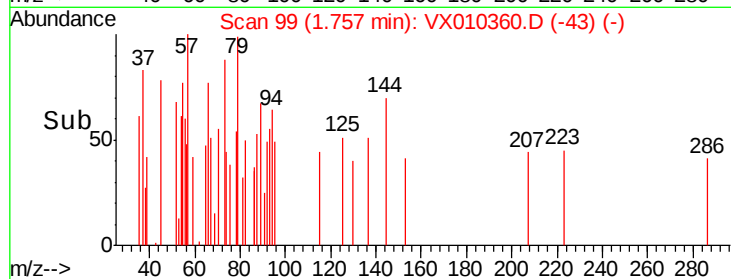
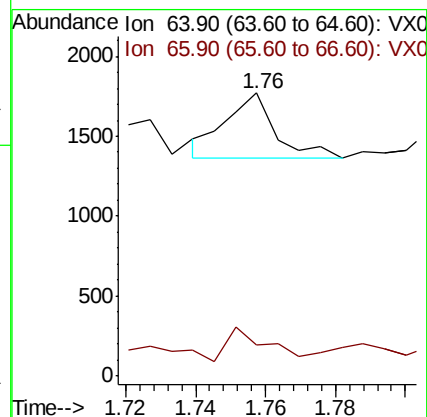
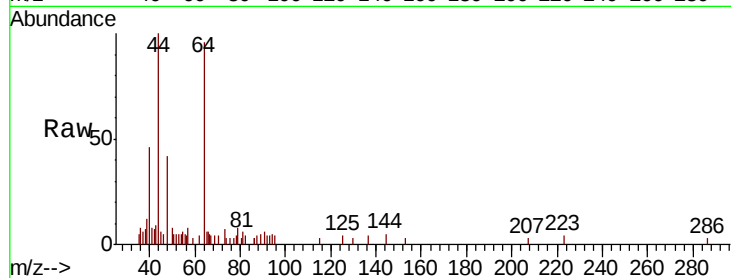
ClientSampleId :

Tot Ion: 64 Resp: 408

Ion Ratio Lower Upper

64 100

66 9.3 26.6 40.0#



#10

Methyl Iodide

Concen: 0.305 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX010360.D

Acq: 20 Jun 2019 16:25

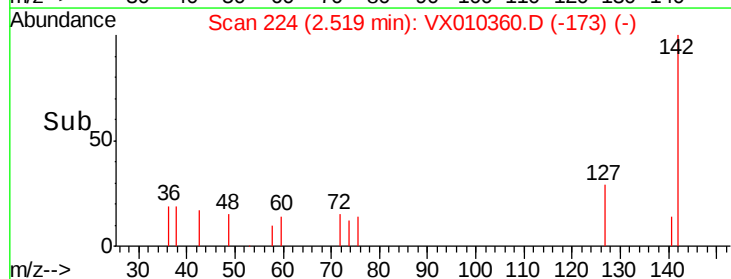
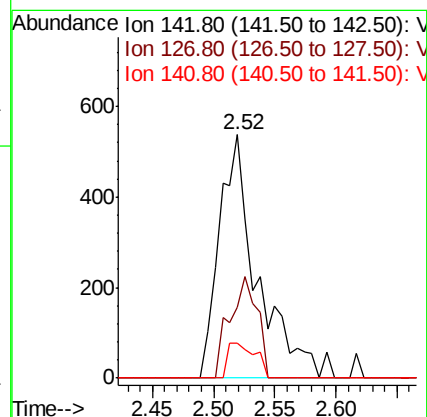
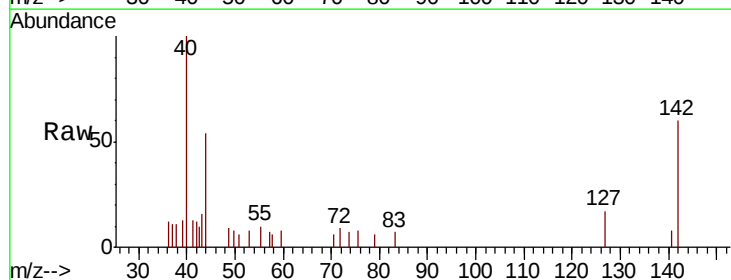
Tgt Ion: 142 Resp: 1173

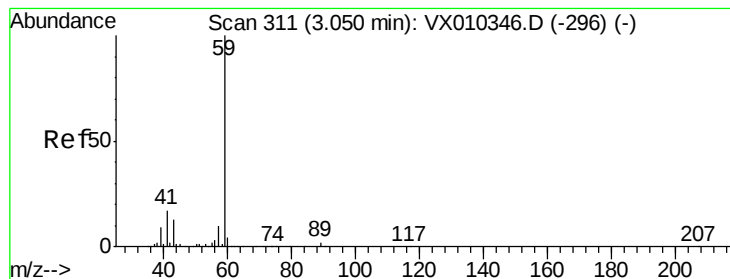
Ion Ratio Lower Upper

142 100

127 29.5 31.1 46.7#

141 10.1 11.2 16.8#



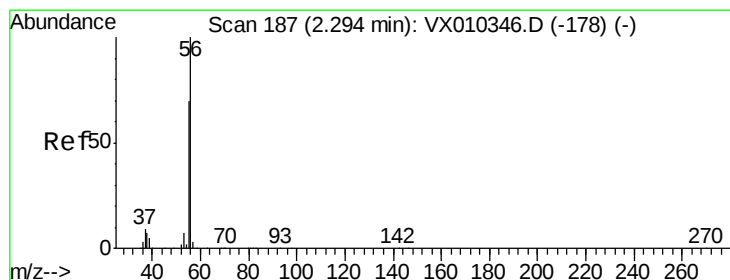
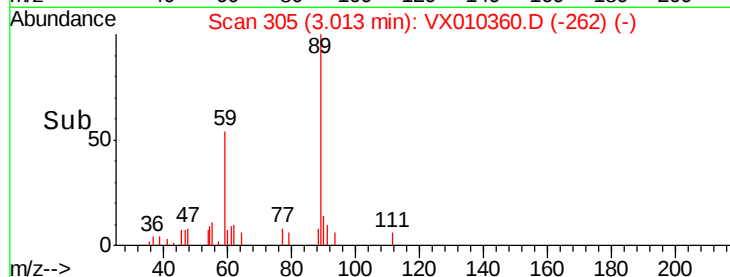
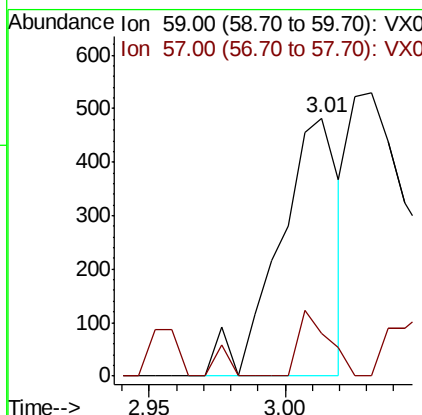
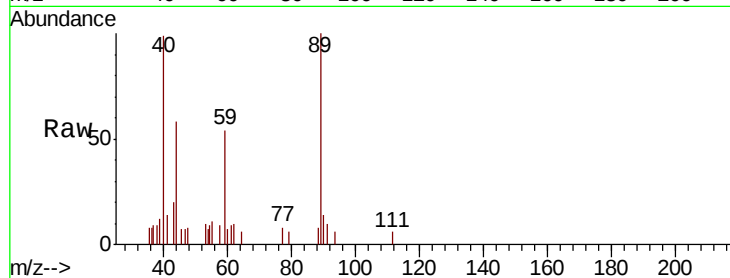


#11

Tert butyl alcohol
 Concen: 0.946 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX010360.D
 Acq: 20 Jun 2019 16:25

Instrument :
 MSVOA_X
 ClientSampleId :

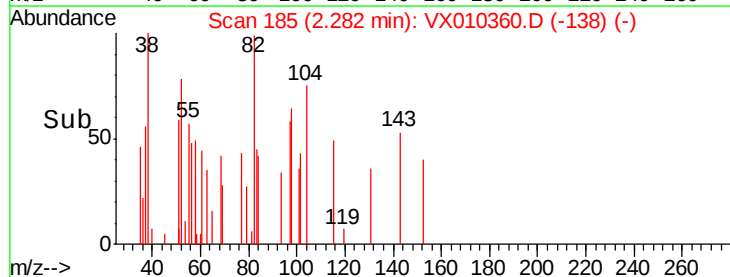
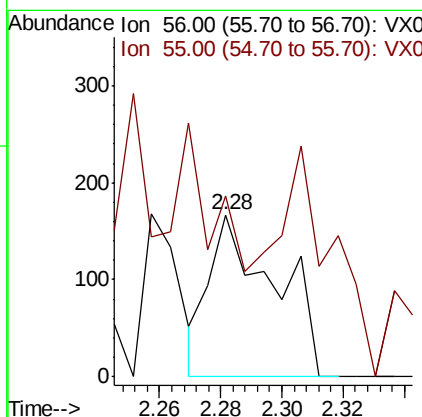
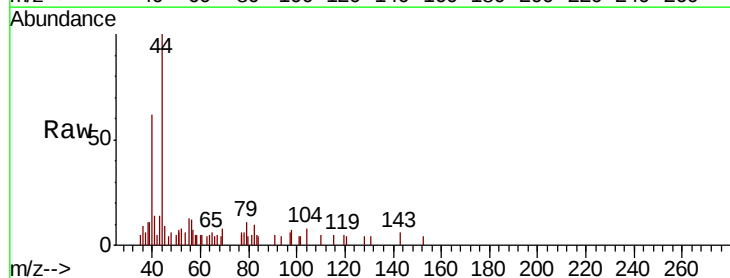
Tot Ion: 59 Resp: 735
 Ion Ratio Lower Upper
 59 100
 57 12.8 7.7 11.5#

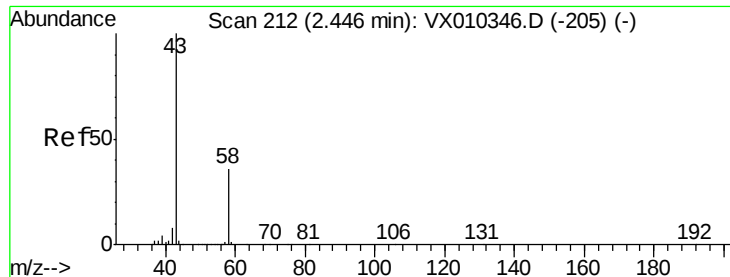


#13

Acrolein
 Concen: 0.481 ug/l
 RT: 2.28 min Scan# 185
 Delta R.T. -0.01 min
 Lab File: VX010360.D
 Acq: 20 Jun 2019 16:25

Tgt Ion: 56 Resp: 248
 Ion Ratio Lower Upper
 56 100
 55 72.2 56.9 85.3





#16

Acetone

Concen: 16.833 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010360.D

Acq: 20 Jun 2019 16:25

Instrument :

MSVOA_X

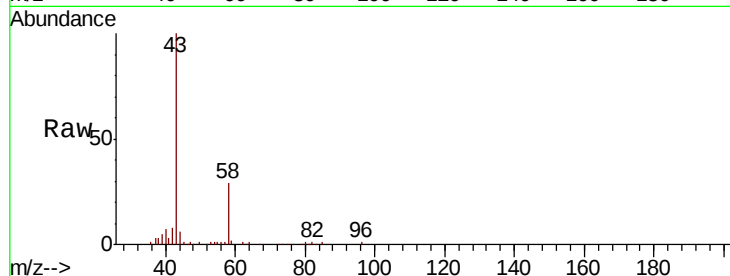
ClientSampleId :

Tot Ion: 43 Resp: 25042

Ion Ratio Lower Upper

43 100

58 28.9 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

15000

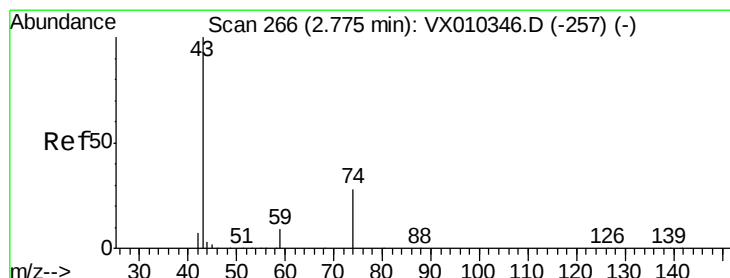
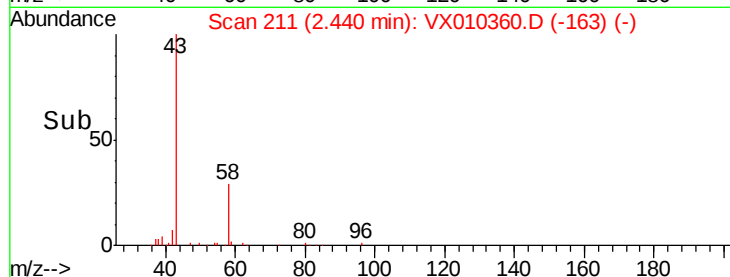
10000

5000

0

2.40 2.50

Time-->



#18

Methyl Acetate

Concen: 0.287 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX010360.D

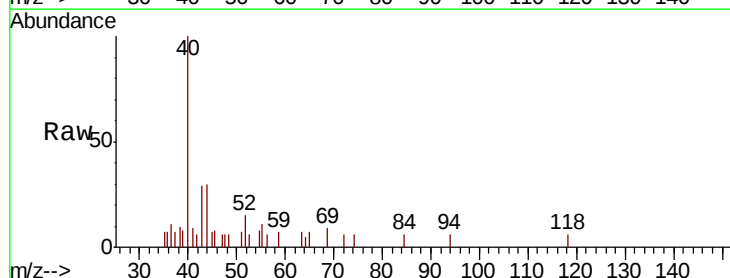
Acq: 20 Jun 2019 16:25

Tgt Ion: 43 Resp: 852

Ion Ratio Lower Upper

43 100

74 5.5 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

300

250

200

150

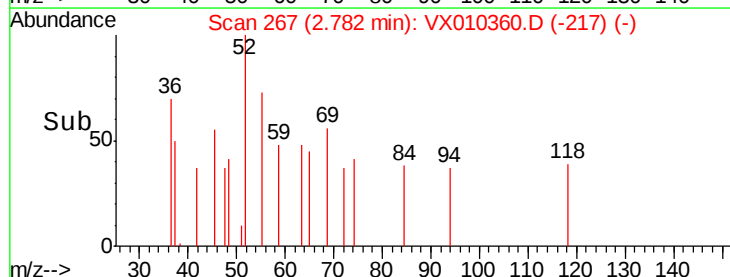
100

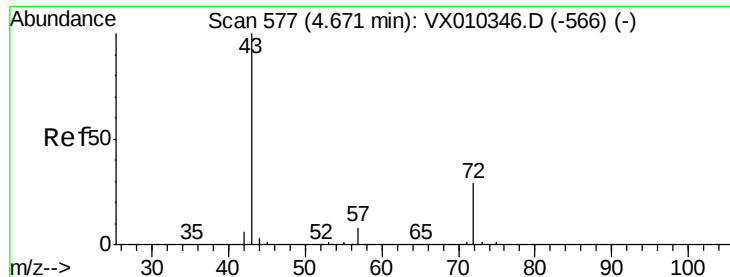
50

0

2.70 2.75 2.80

Time-->





#25

2-Butanone

Concen: 1.377 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX010360.D

Acq: 20 Jun 2019 16:25

Instrument :

MSVOA_X

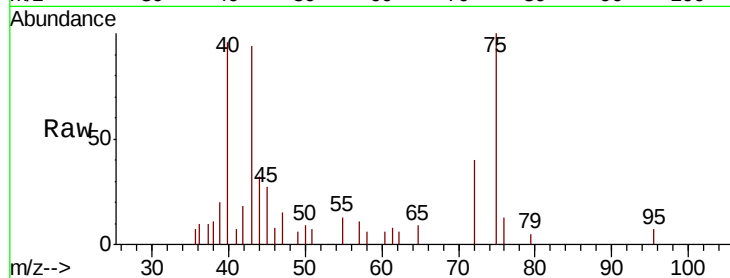
ClientSampled :

Tot Ion: 43 Resp: 3006

Ion Ratio Lower Upper

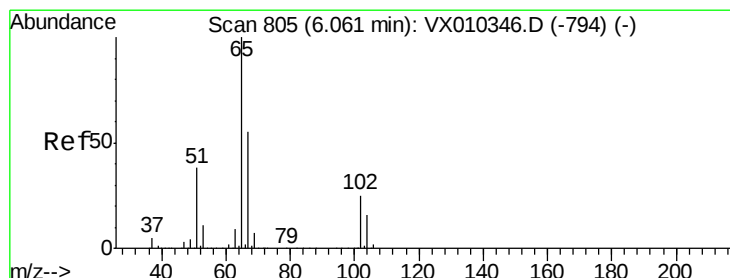
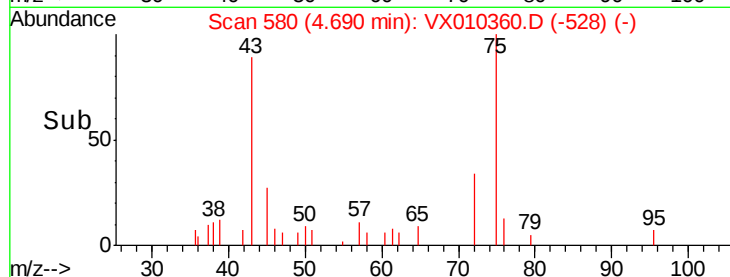
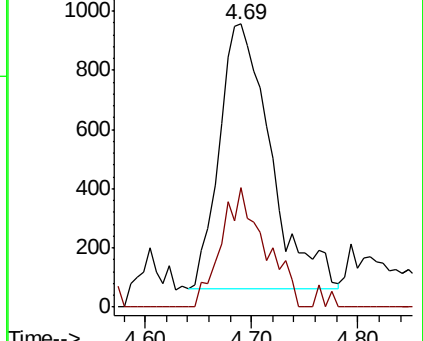
43 100

72 45.4 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.500 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010360.D

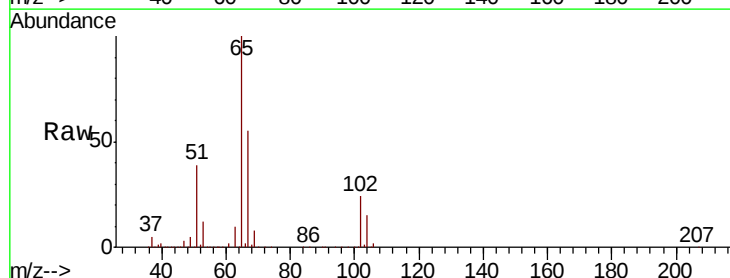
Acq: 20 Jun 2019 16:25

Tgt Ion: 65 Resp: 143970

Ion Ratio Lower Upper

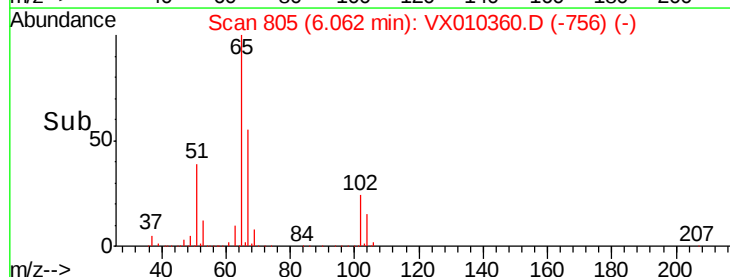
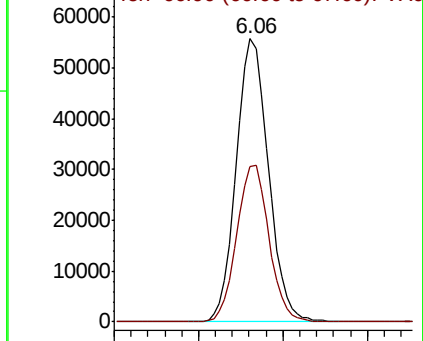
65 100

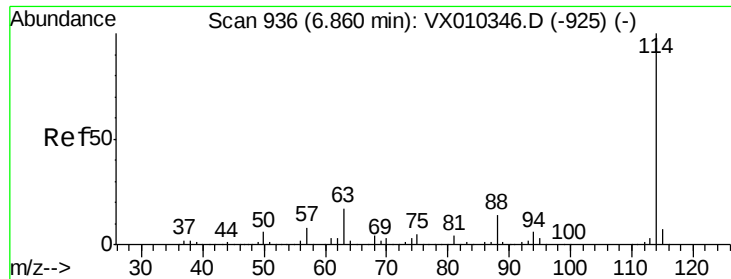
67 55.4 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

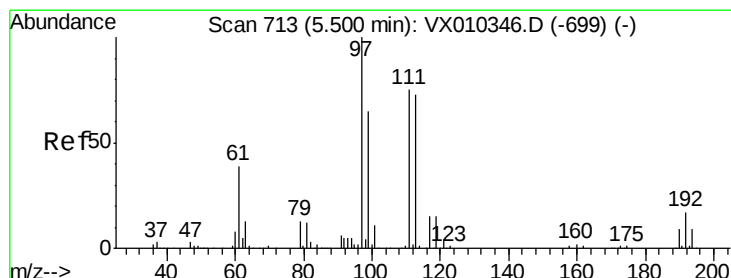
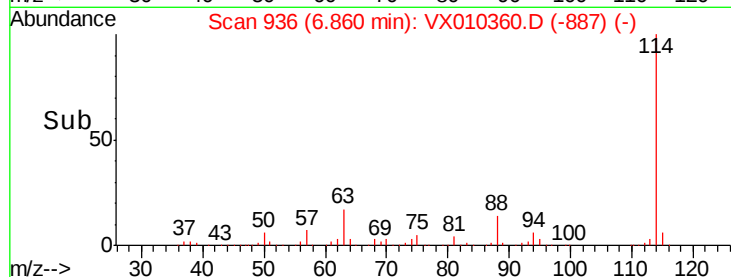
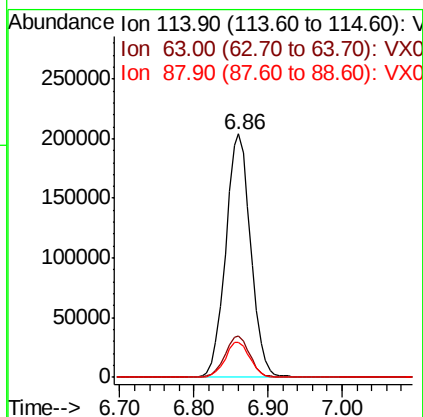
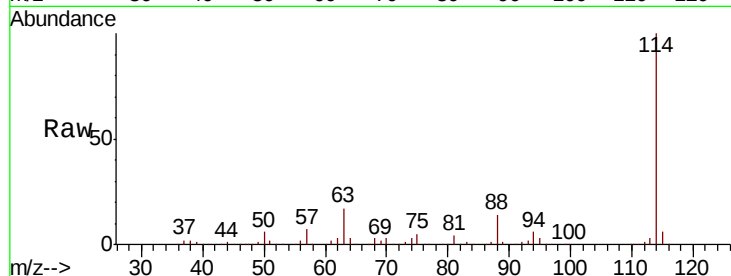




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010360.D
 Acq: 20 Jun 2019 16:25

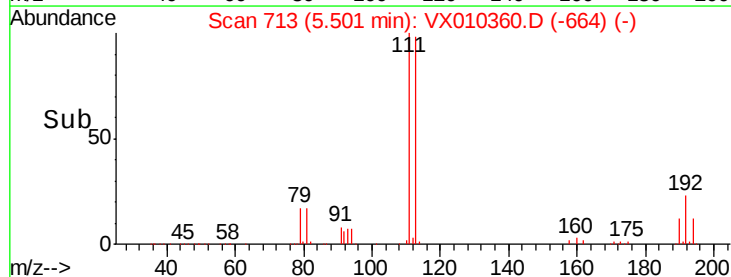
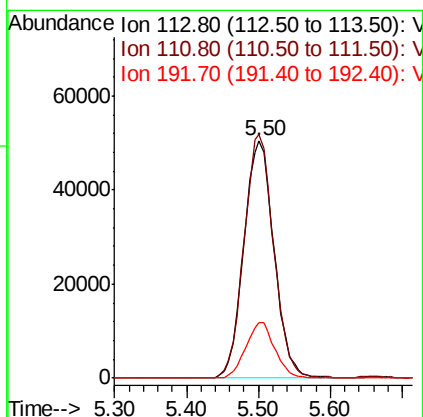
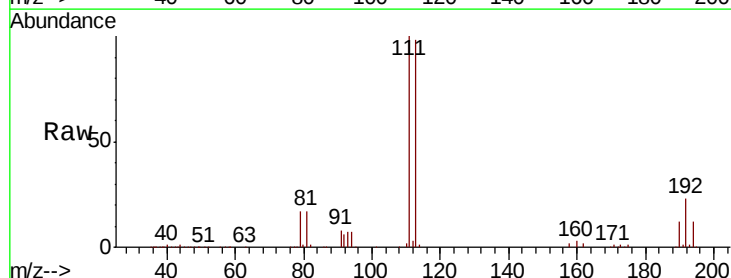
Instrument :
 MSVOA_X
 ClientSampled :

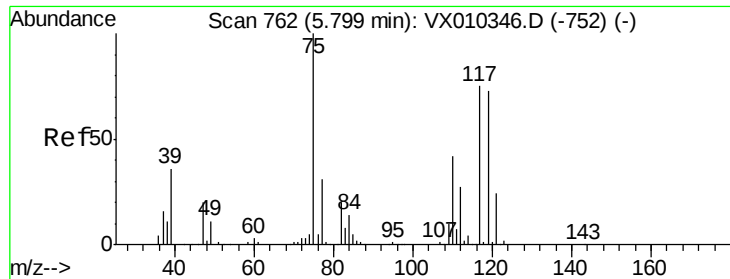
Tot Ion:114 Resp: 477408
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 33.8
 88 14.2 0.0 27.6



#35
 Dibromofluoromethane
 Concen: 50.331 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010360.D
 Acq: 20 Jun 2019 16:25

Tgt Ion:113 Resp: 147015
 Ion Ratio Lower Upper
 113 100
 111 100.6 81.2 121.8
 192 22.7 18.6 27.8

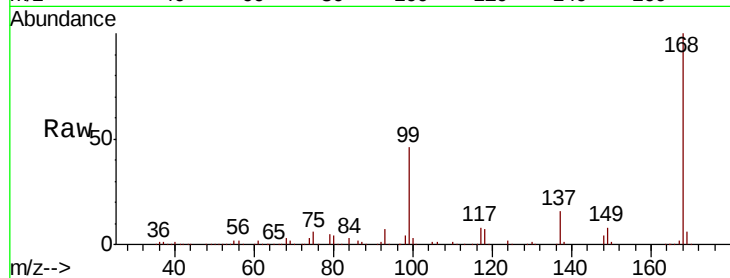




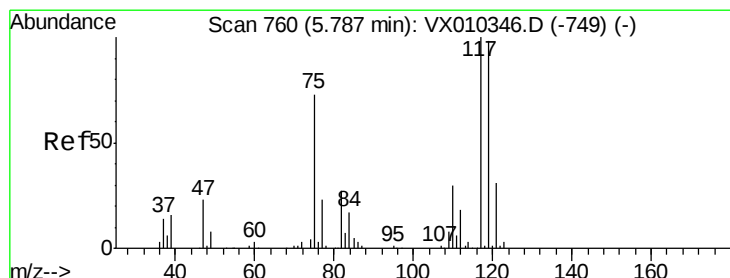
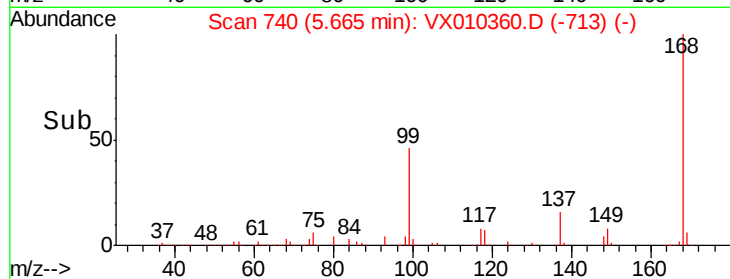
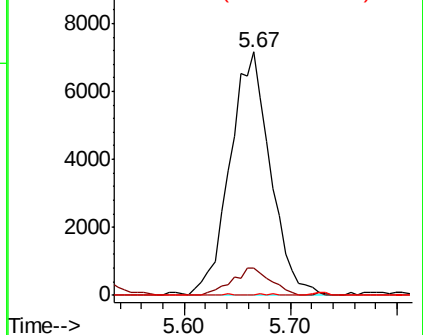
#36
 1,1-Dichloropropene
 Concen: 5.013 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010360.D
 Acq: 20 Jun 2019 16:25

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	75	Resp	19018
Ion Ratio	100	Lower	Upper
110	10.6	20.8	62.2#
77	0.2	25.4	38.0#

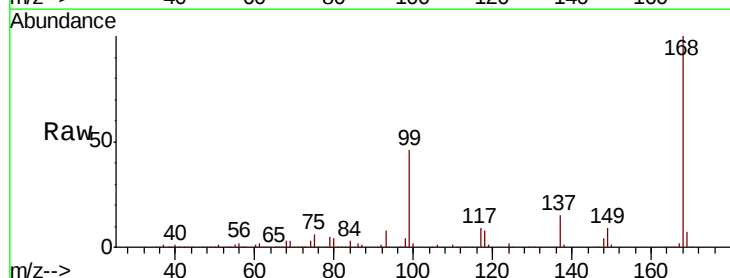


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

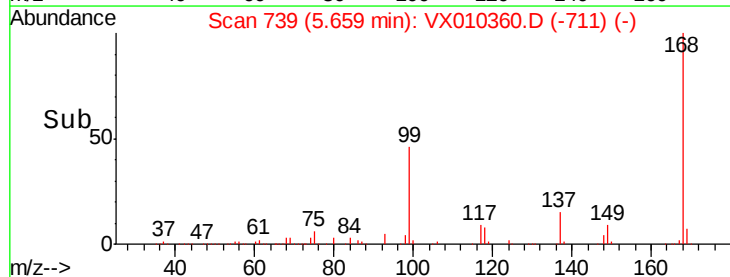
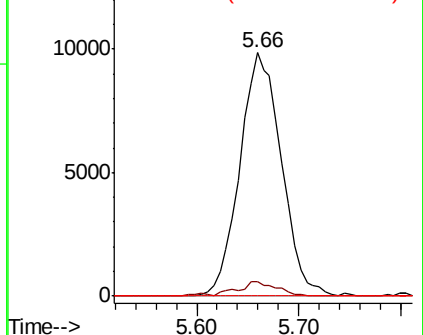


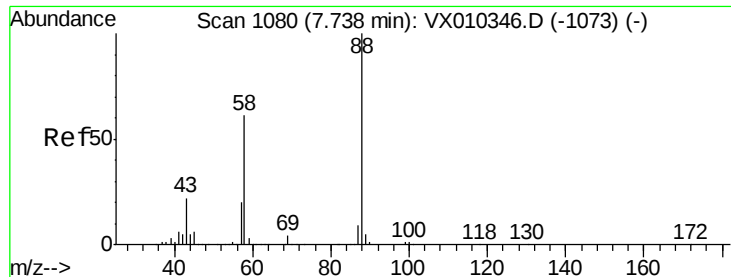
#38
 Carbon Tetrachloride
 Concen: 6.785 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010360.D
 Acq: 20 Jun 2019 16:25

Tgt Ion	117	Resp	27875
Ion Ratio	100	Lower	Upper
119	5.7	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

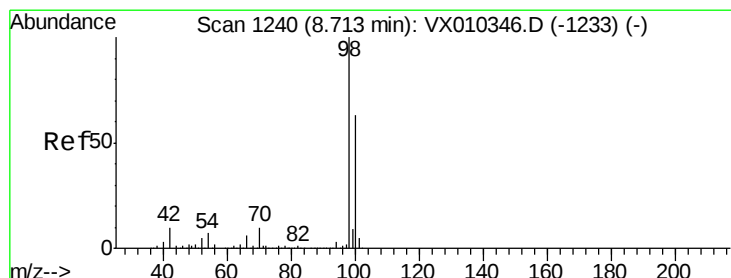
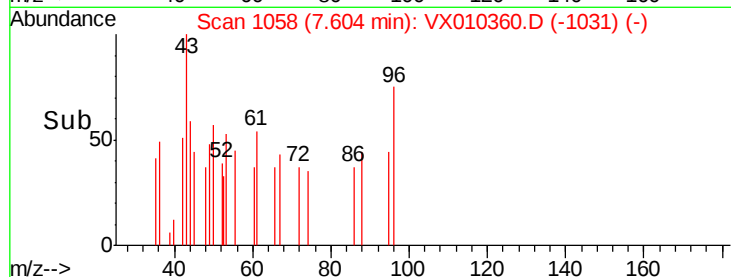
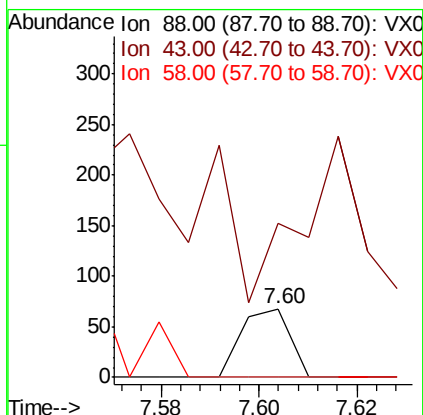
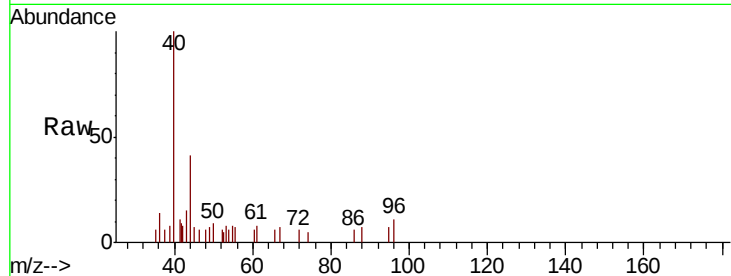




#49
1,4-Dioxane
Concen: 0.544 ug/l
RT: 7.60 min Scan# 1058
Delta R.T. -0.13 min
Lab File: VX010360.D
Acq: 20 Jun 2019 16:25

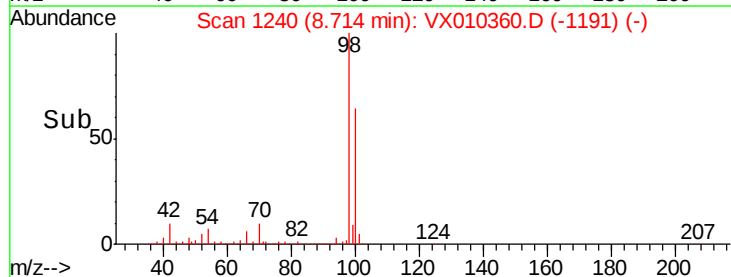
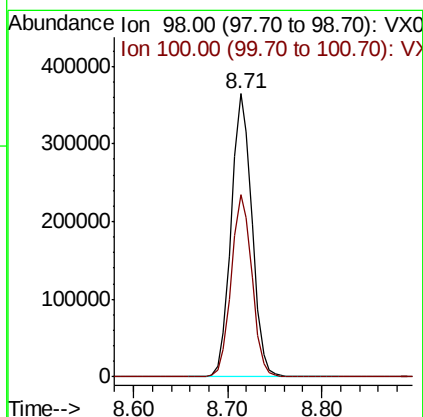
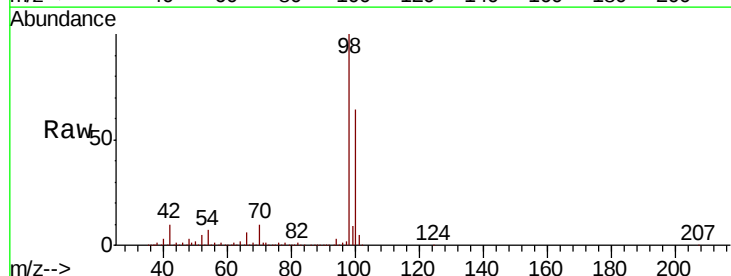
Instrument :
MSVOA_X
ClientSampleId :

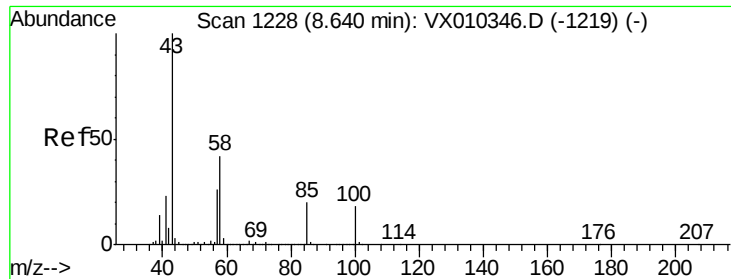
Tot Ion: 88 Resp: 47
Ion Ratio Lower Upper
88 100
43 478.7 20.2 30.2#
58 0.0 49.5 74.3#



#50
Toluene-d8
Concen: 49.997 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010360.D
Acq: 20 Jun 2019 16:25

Tgt Ion: 98 Resp: 558718
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4

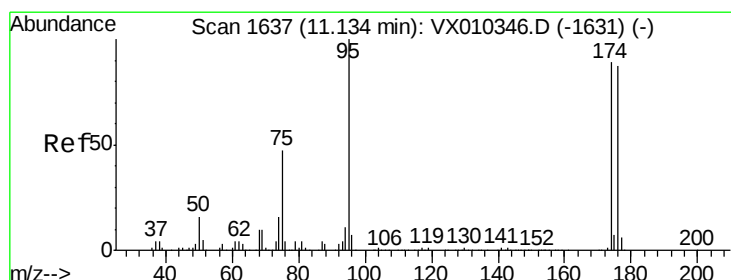
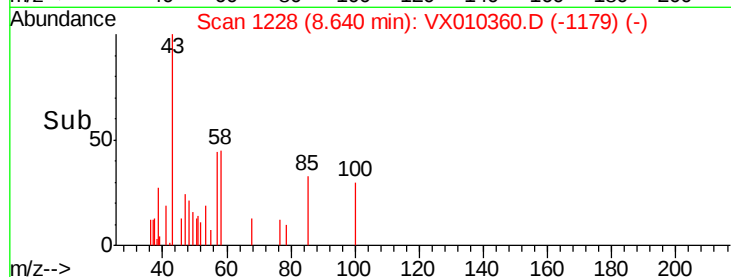
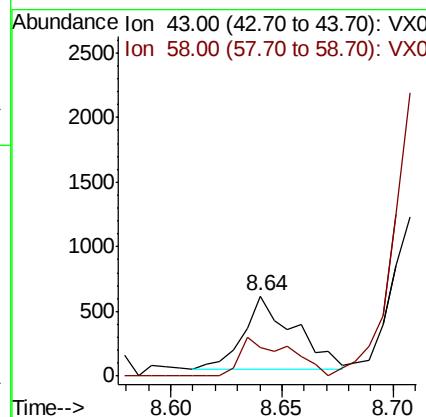
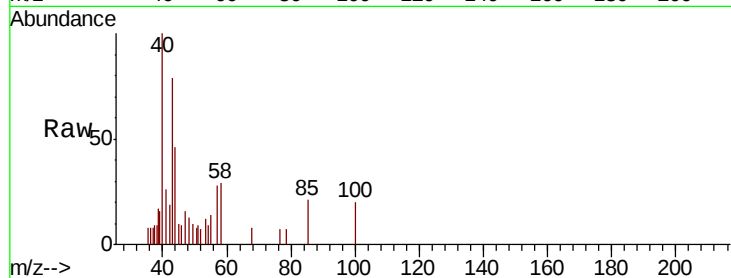




#51
4-Methyl-2-Pentanone
Concen: 0.220 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010360.D
Acq: 20 Jun 2019 16:25

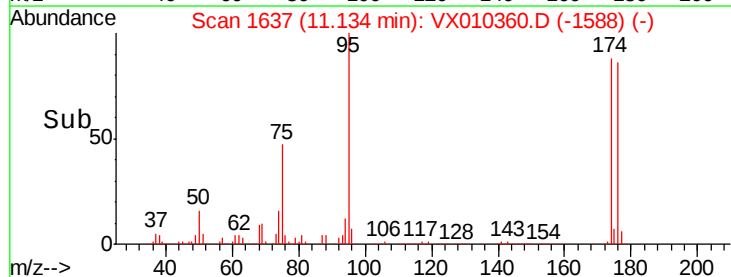
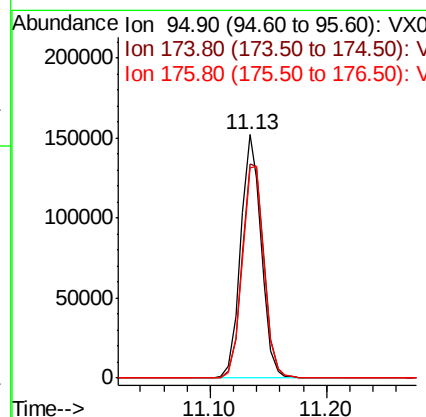
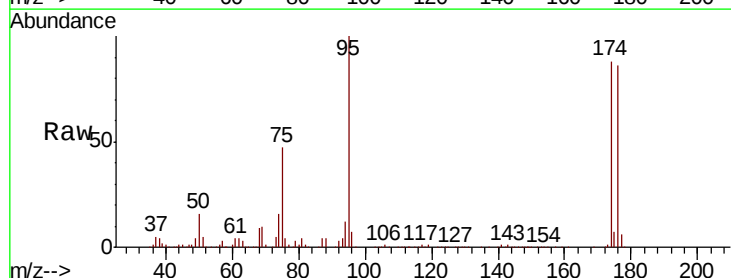
Instrument :
MSVOA_X
ClientSampleId :

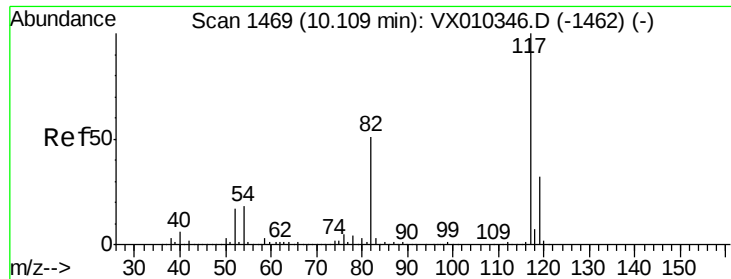
Tot Ion: 43 Resp: 907
Ion Ratio Lower Upper
43 100
58 51.0 33.5 50.3#



#62
4-Bromofluorobenzene
Concen: 46.498 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010360.D
Acq: 20 Jun 2019 16:25

Tgt Ion: 95 Resp: 187596
Ion Ratio Lower Upper
95 100
174 93.9 0.0 187.6
176 91.8 0.0 184.0

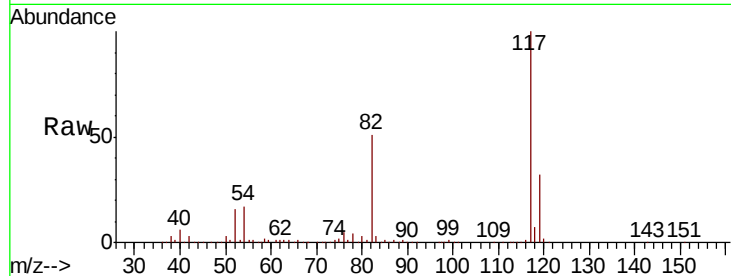




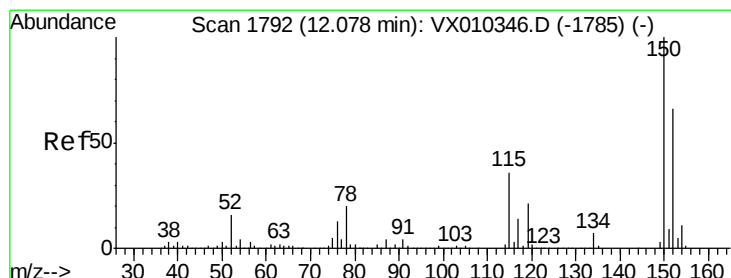
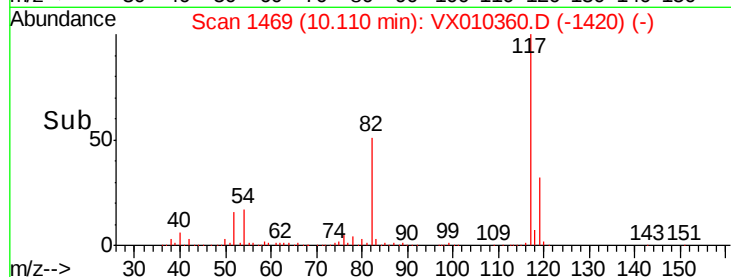
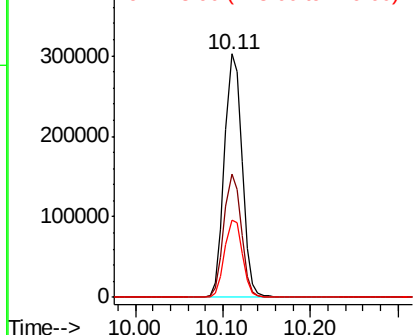
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010360.D
Acq: 20 Jun 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 423503
Ion Ratio Lower Upper
117 100
82 50.5 41.2 61.8
119 31.8 25.5 38.3

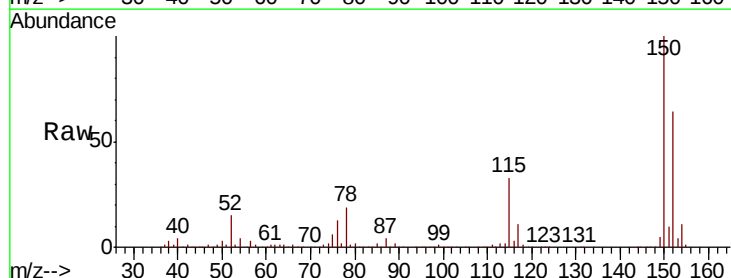


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

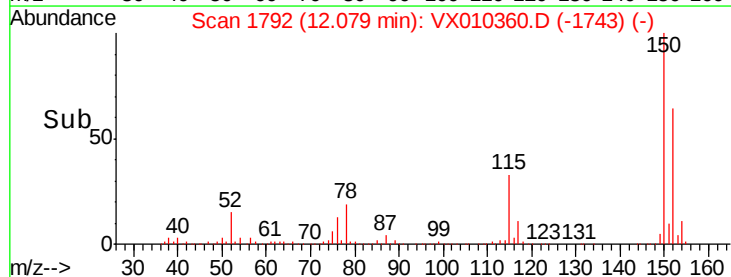
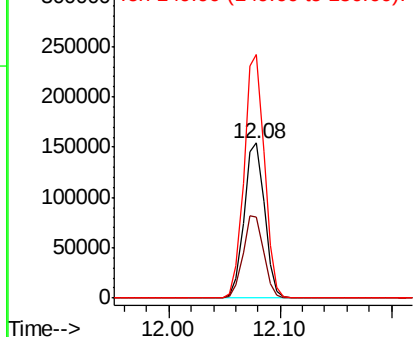


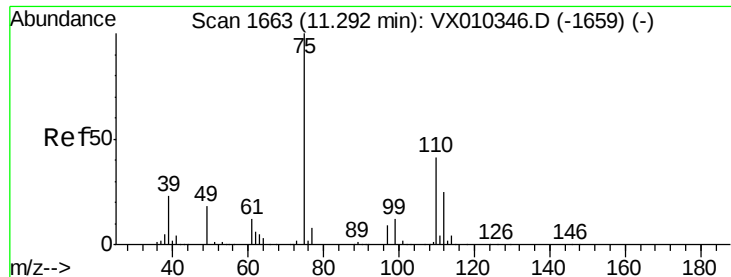
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010360.D
Acq: 20 Jun 2019 16:25

Tgt Ion:152 Resp: 196537
Ion Ratio Lower Upper
152 100
115 53.3 38.6 115.7
150 155.9 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



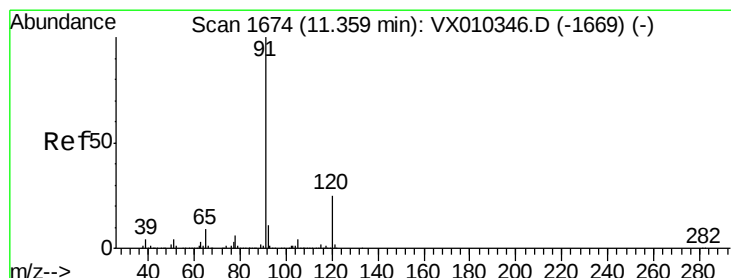
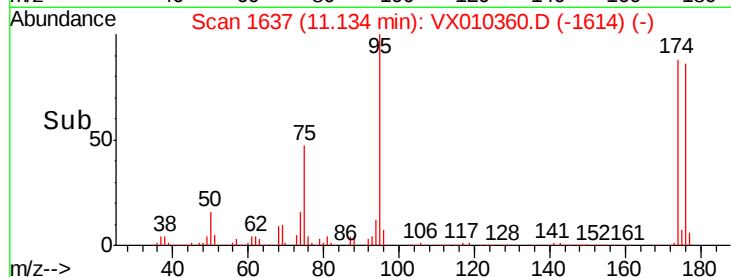
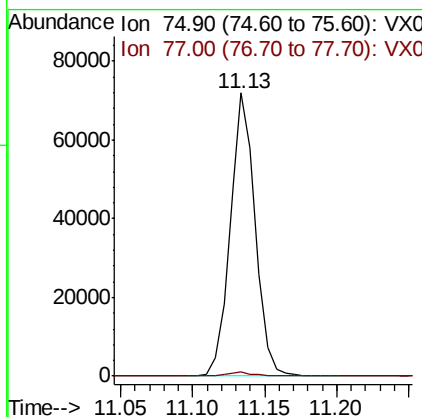
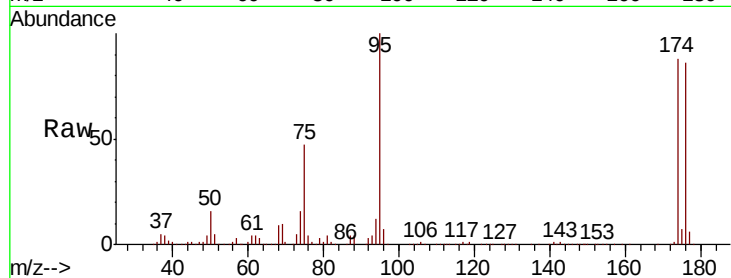


#76

1,2,3-Trichloropropane
Concen: 24.355 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010360.D
Acq: 20 Jun 2019 16:25

Instrument :
MSVOA_X
ClientSampled :

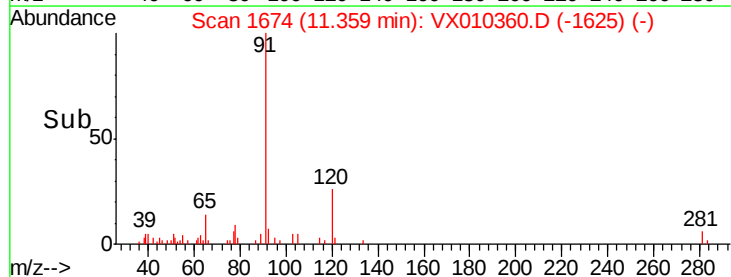
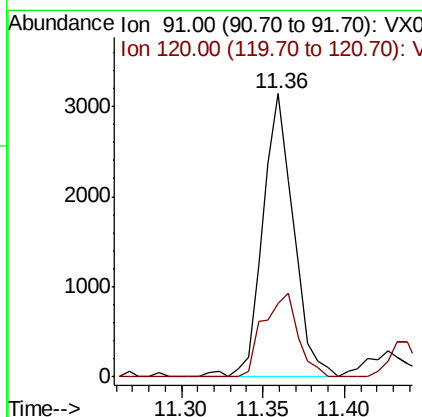
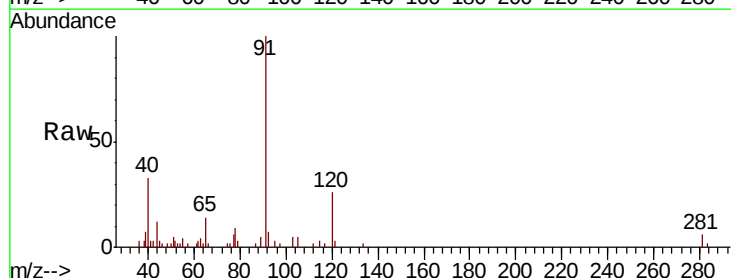
Tot Ion: 75 Resp: 87226
Ion Ratio Lower Upper
75 100
77 1.5 22.6 67.8#

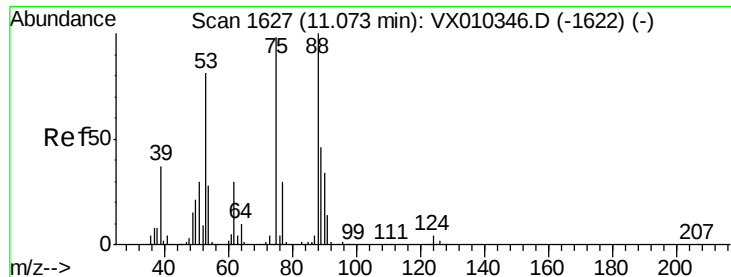


#78

n-propylbenzene
Concen: 0.281 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX010360.D
Acq: 20 Jun 2019 16:25

Tgt Ion: 91 Resp: 4111
Ion Ratio Lower Upper
91 100
120 33.4 12.4 37.4





#81

trans-1,4-Dichloro-2-butene

Concen: 56.818 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010360.D

Acq: 20 Jun 2019 16:25

Instrument :

MSVOA_X

ClientSampled :

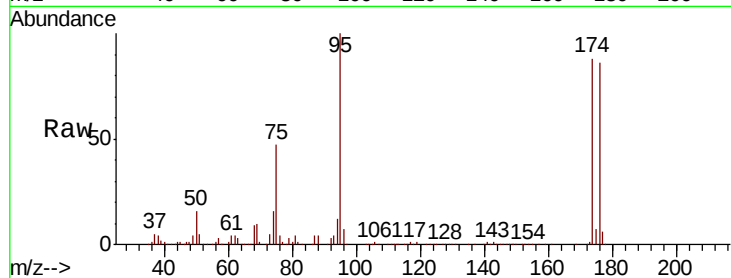
Tot Ion: 75 Resp: 87226

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

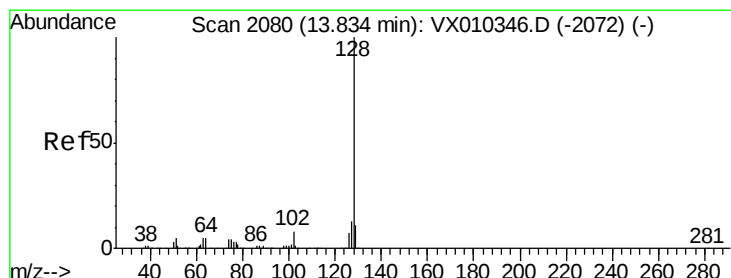
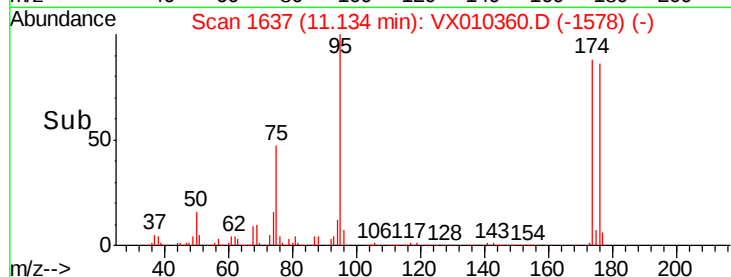
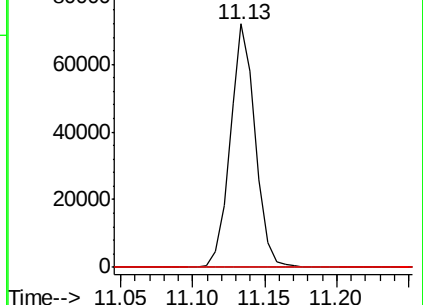
89 0.0 37.8 56.6#



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



#95

Naphthalene

Concen: 0.407 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010360.D

Acq: 20 Jun 2019 16:25

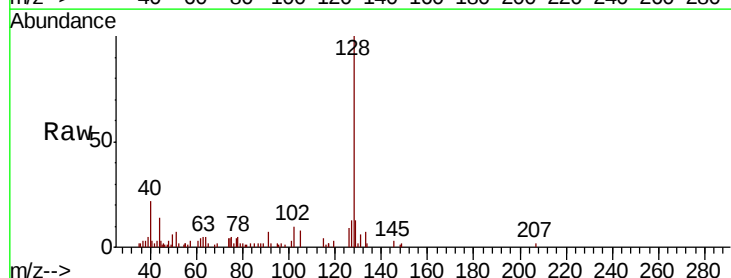
Tgt Ion: 128 Resp: 5591

Ion Ratio Lower Upper

128 100

127 16.0 10.2 15.4#

129 19.1 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

