

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010835.D
 Acq On : 12 Jul 2019 14:53
 Operator : JC/SP
 Sample : K3782-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC018-SW-190711

Quant Time: Jul 13 01:39:10 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	200232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	319280	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	296252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	134975	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	105697	56.30	ug/l	0.00
Spiked Amount			Recovery	=	112.60%	
35) Dibromofluoromethane	5.50	113	97357	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
50) Toluene-d8	8.71	98	382152	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	11.13	95	128021	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	

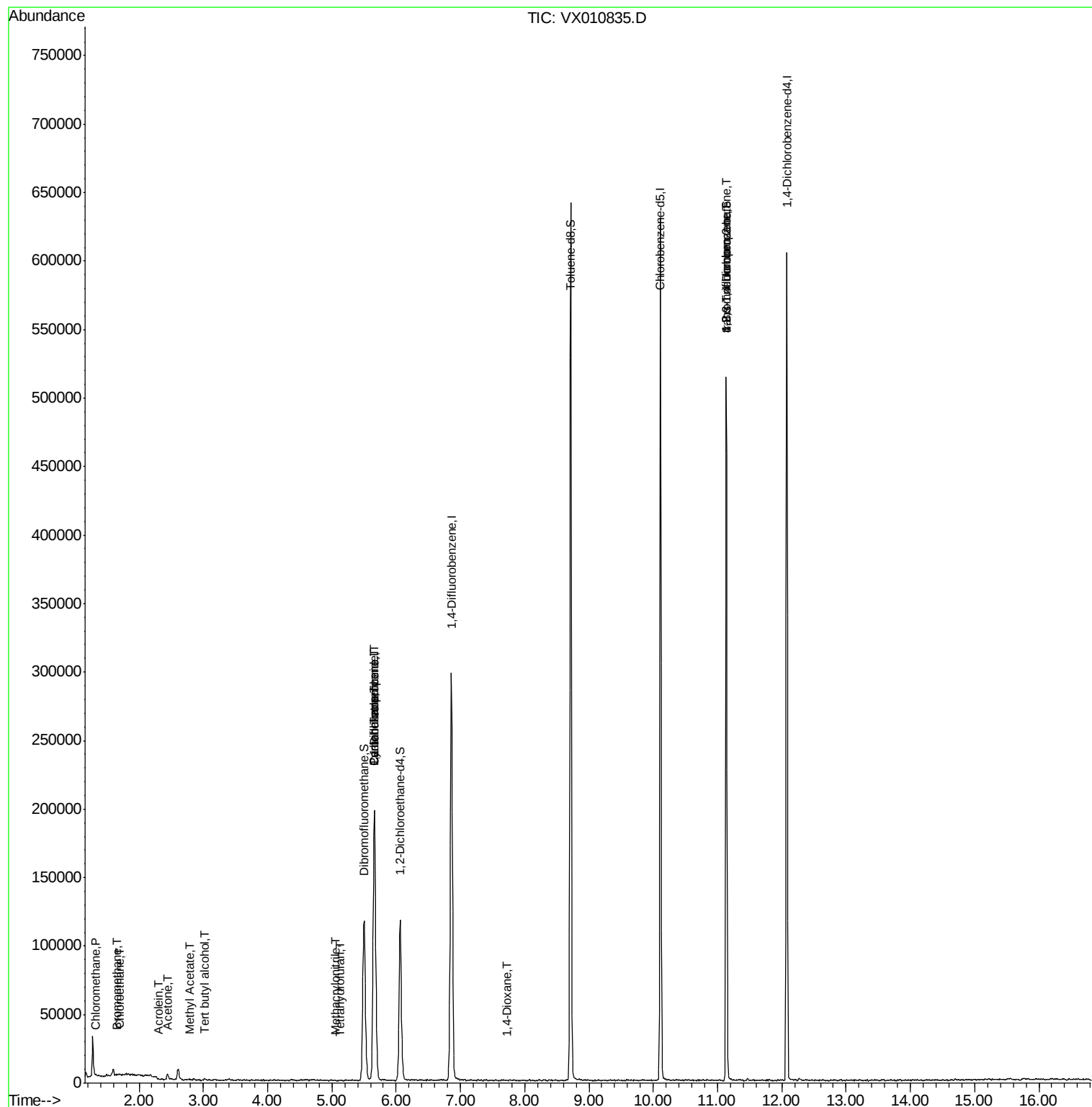
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	501	0.309	ug/l	91
5) Bromomethane	1.65	94	436	0.504	ug/l #	47
6) Chloroethane	1.70	64	690	0.659	ug/l #	41
11) Tert butyl alcohol	3.01	59	570	1.160	ug/l #	74
13) Acrolein	2.31	56	247	0.758	ug/l #	57
16) Acetone	2.44	43	5092	5.412	ug/l #	84
18) Methyl Acetate	2.78	43	449	0.239	ug/l #	79
29) Tetrahydrofuran	5.13	42	195	0.228	ug/l #	28
31) Cyclohexane	5.66	56	3938	1.452	ug/l #	3
36) 1,1-Dichloropropene	5.66	75	13219	5.210	ug/l #	48
38) Carbon Tetrachloride	5.67	117	18091	6.585	ug/l #	16
41) Methacrylonitrile	5.06	41	333	0.233	ug/l #	41
49) 1,4-Dioxane	7.72	88	25	0.432	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	62349	25.349	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	62349	59.137	ug/l #	16

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

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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: VX010835.D

Acq: 12 Jul 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

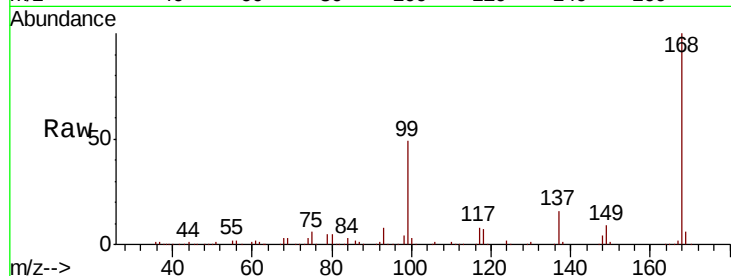
KY030LC018-SW-190711

Tot Ion:168 Resp: 200232

Ion Ratio Lower Upper

168 100

99 49.0 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

40000

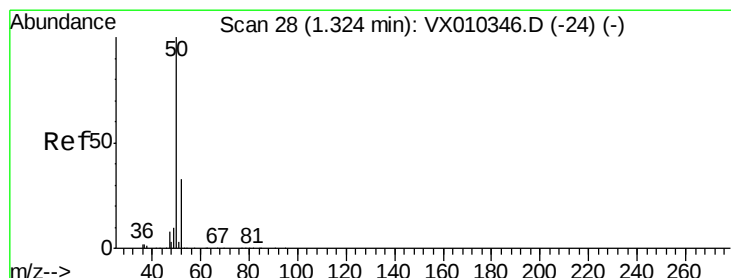
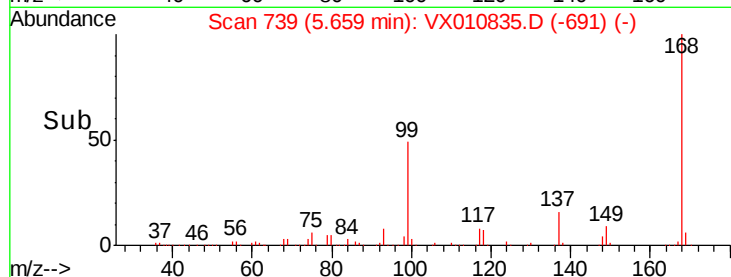
20000

0

Time-->

5.60

5.70



#3

Chloromethane

Concen: 0.309 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010835.D

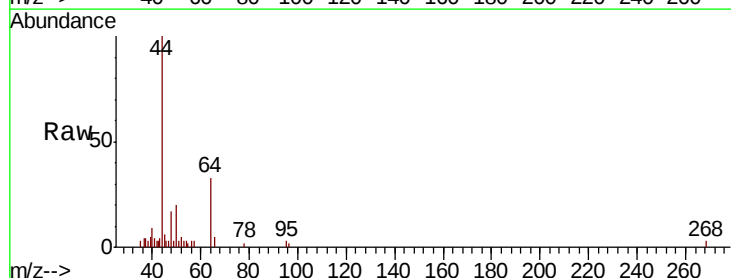
Acq: 12 Jul 2019 14:53

Tgt Ion: 50 Resp: 501

Ion Ratio Lower Upper

50 100

52 27.8 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

500

400

300

200

100

0

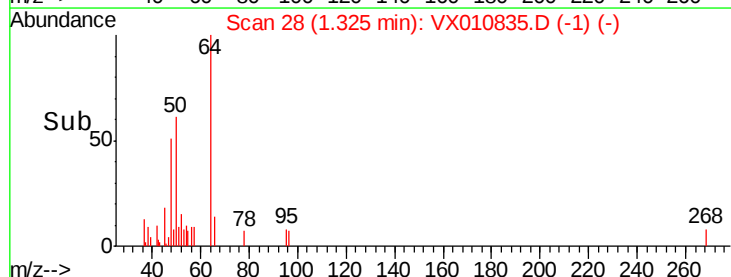
Time-->

1.30

1.32

1.34

1.36





#5

Bromomethane

Concen: 0.504 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010835.D

Acq: 12 Jul 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

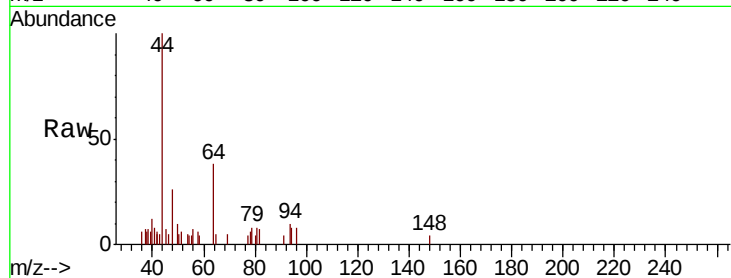
KY030LC018-SW-190711

Tot Ion: 94 Resp: 436

Ion Ratio Lower Upper

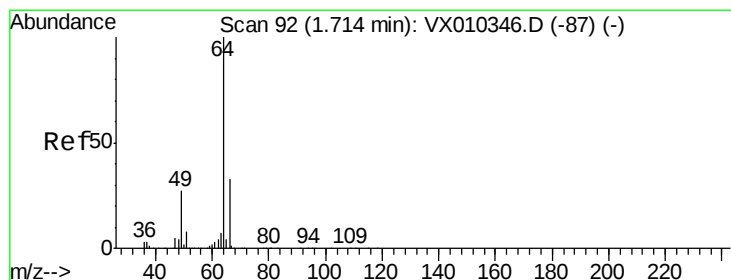
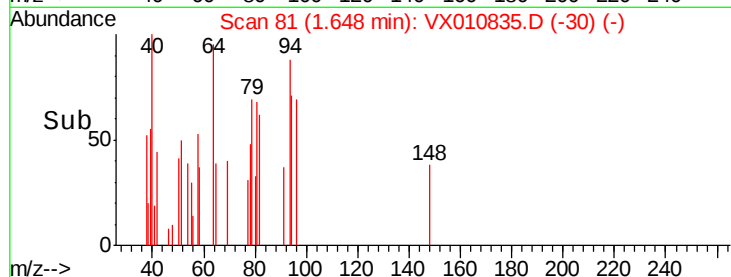
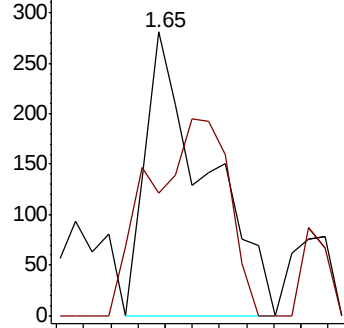
94 100

96 43.4 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: 0.659 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX010835.D

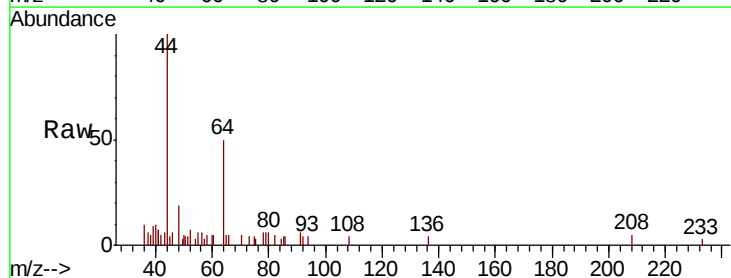
Acq: 12 Jul 2019 14:53

Tgt Ion: 64 Resp: 690

Ion Ratio Lower Upper

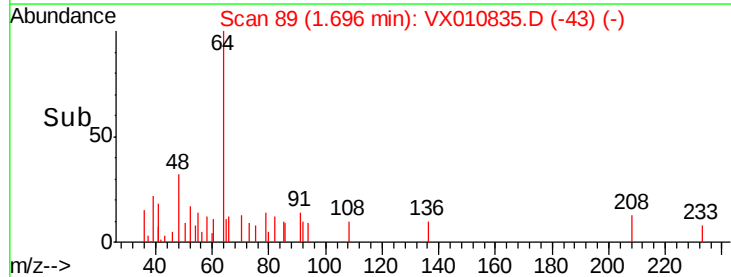
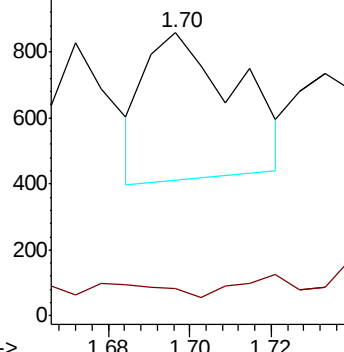
64 100

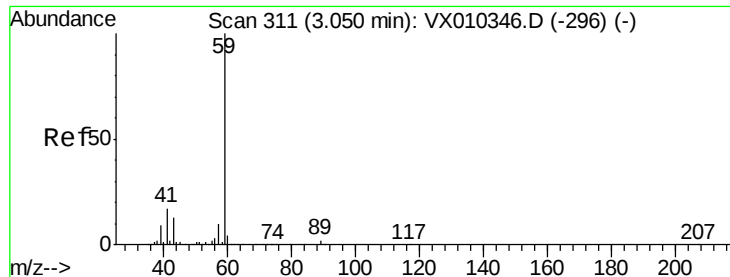
66 0.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



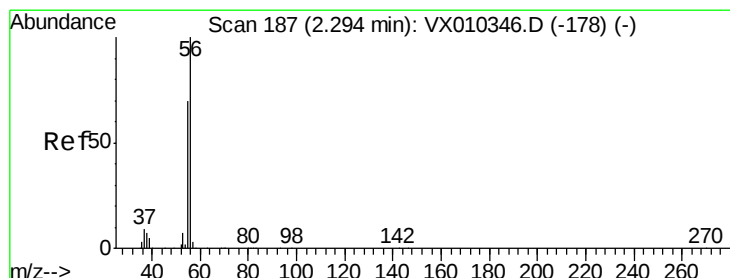
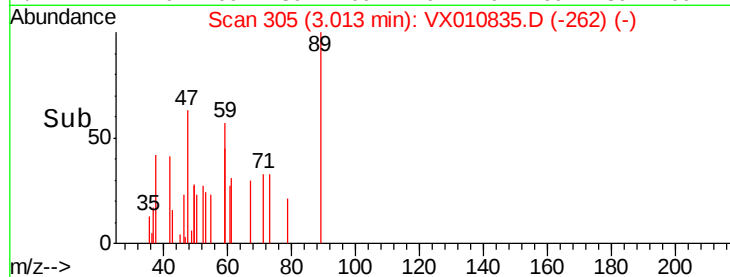
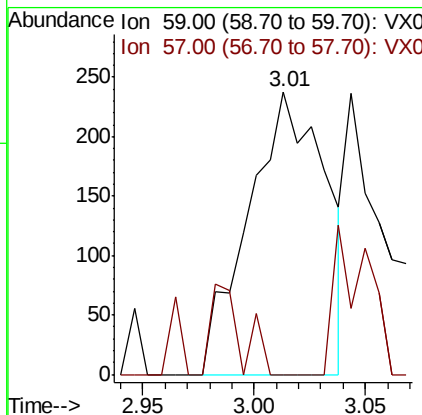
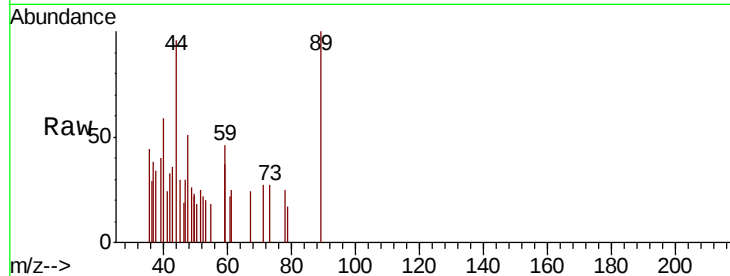


#11

Tert butyl alcohol
 Concen: 1.160 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX010835.D
 Acq: 12 Jul 2019 14:53

Instrument :
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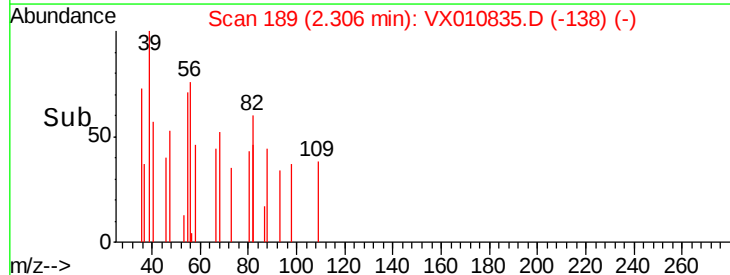
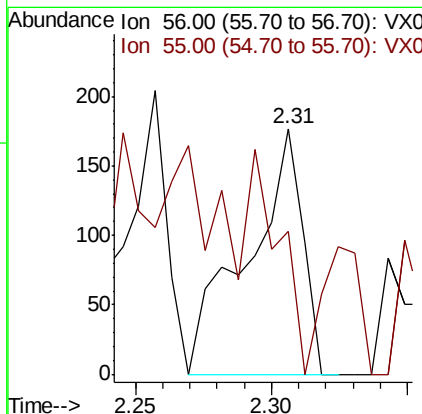
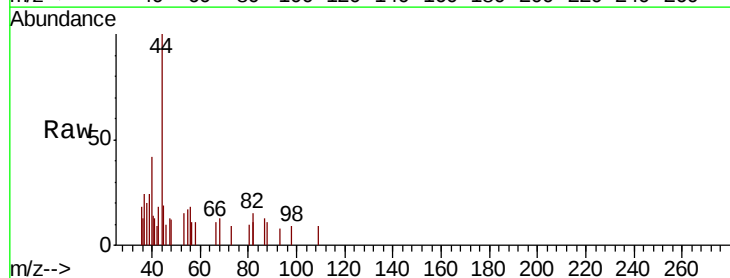
Tot Ion: 59 Resp: 570
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

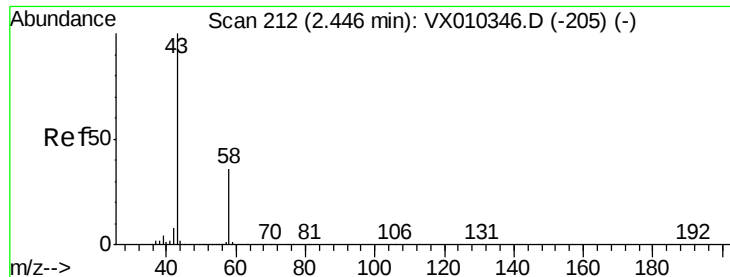


#13

Acrolein
 Concen: 0.758 ug/l
 RT: 2.31 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VX010835.D
 Acq: 12 Jul 2019 14:53

Tgt Ion: 56 Resp: 247
 Ion Ratio Lower Upper
 56 100
 55 35.2 56.9 85.3#

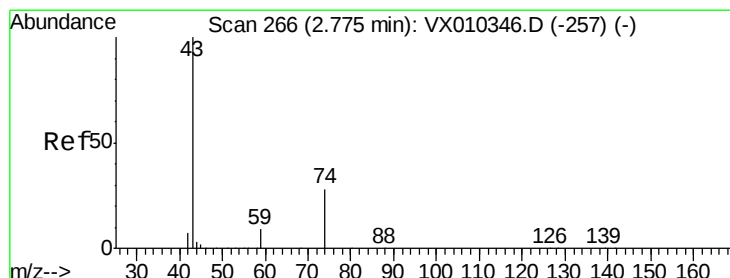
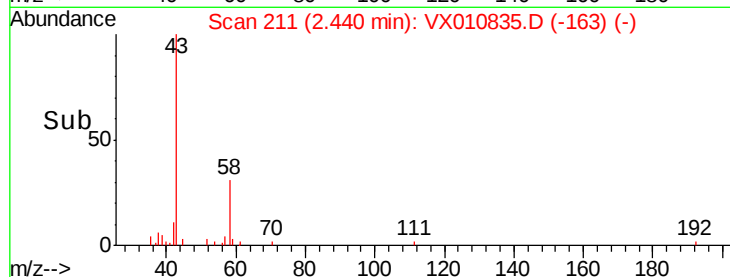
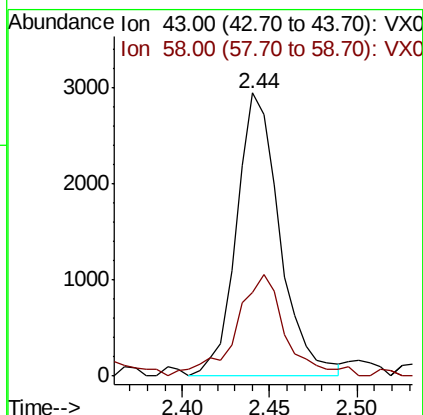
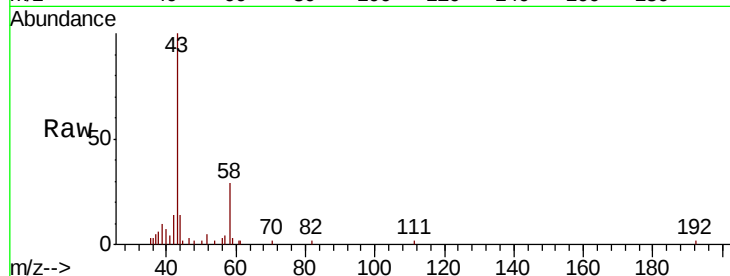




#16
Acetone
Concen: 5.412 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX010835.D
Acq: 12 Jul 2019 14:53

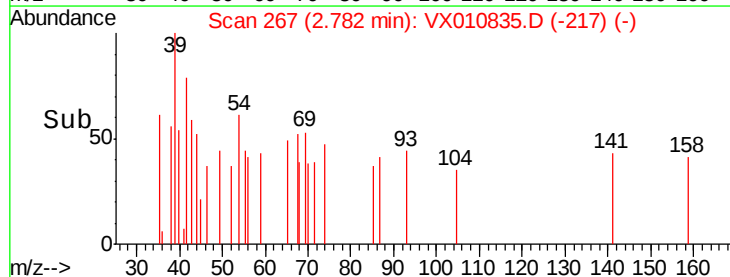
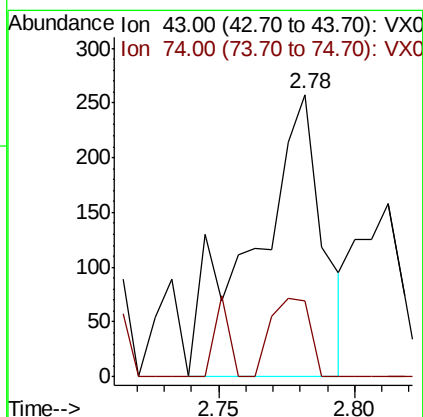
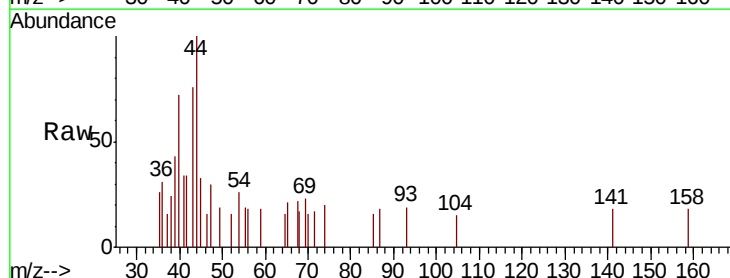
Instrument :
MSVOA_X
ClientSampleId :
KY030LC018-SW-190711

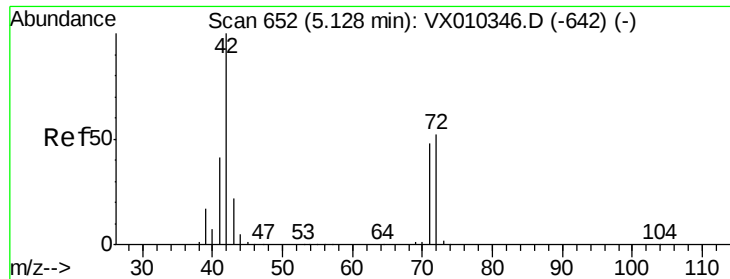
Tot Ion: 43 Resp: 5092
Ion Ratio Lower Upper
43 100
58 26.7 28.9 43.3#



#18
Methyl Acetate
Concen: 0.239 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX010835.D
Acq: 12 Jul 2019 14:53

Tgt Ion: 43 Resp: 449
Ion Ratio Lower Upper
43 100
74 16.0 21.3 31.9#

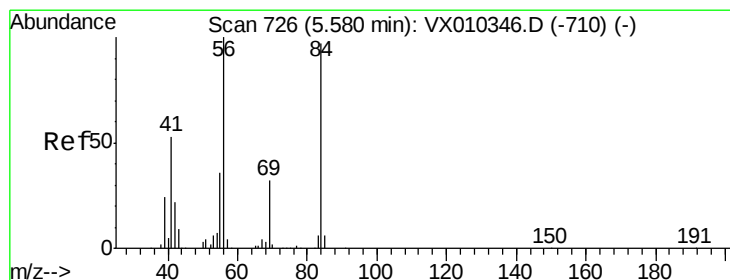
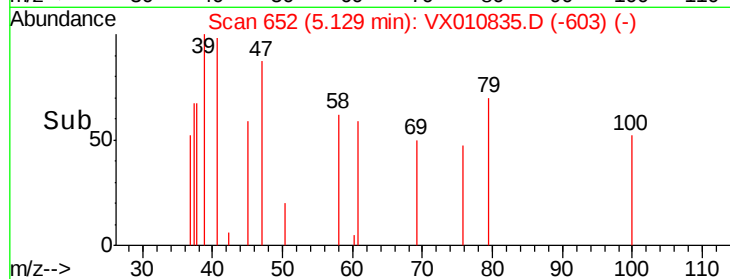
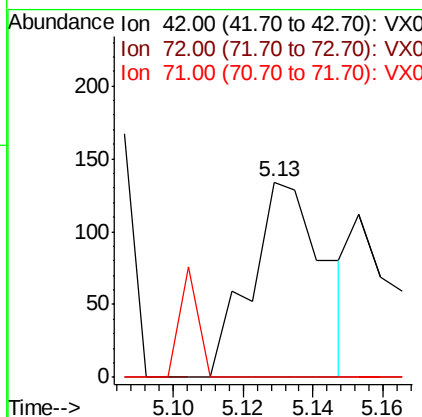
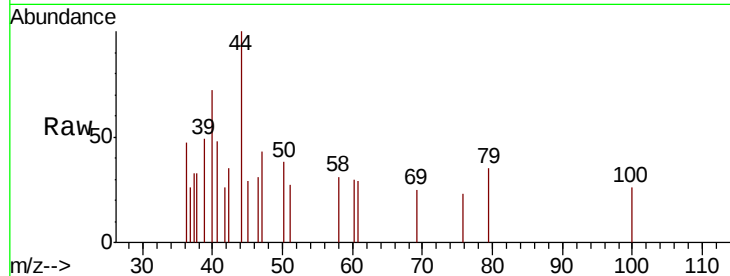




#29
Tetrahydrofuran
Concen: 0.228 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010835.D
Acq: 12 Jul 2019 14:53

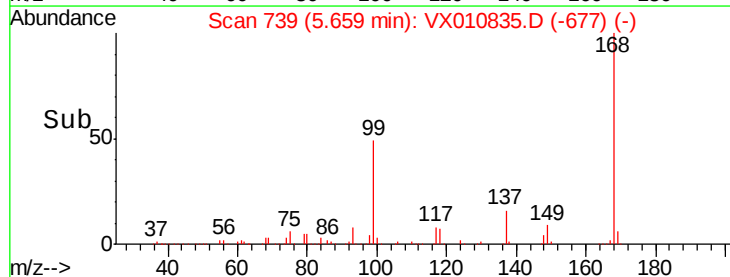
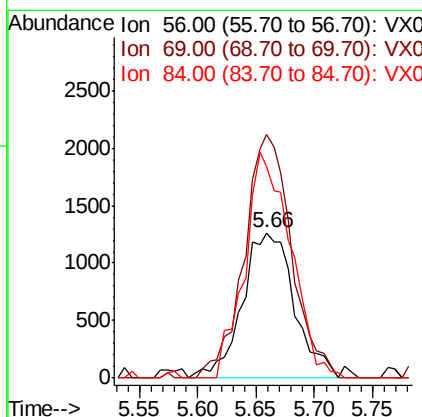
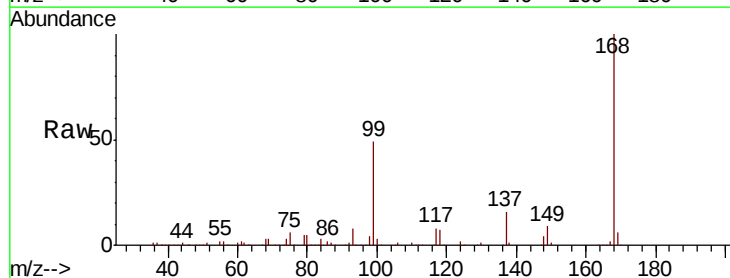
Instrument :
MSVOA_X
ClientSampleId :
KY030LC018-SW-190711

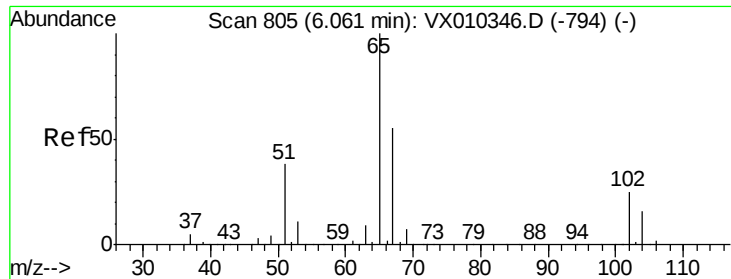
Tot Ion: 42 Resp: 195
Ion Ratio Lower Upper
42 100
72 0.0 40.6 60.8#
71 0.0 37.8 56.8#



#31
Cyclohexane
Concen: 1.452 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX010835.D
Acq: 12 Jul 2019 14:53

Tgt Ion: 56 Resp: 3938
Ion Ratio Lower Upper
56 100
69 167.8 25.9 38.9#
84 145.7 78.0 117.0#

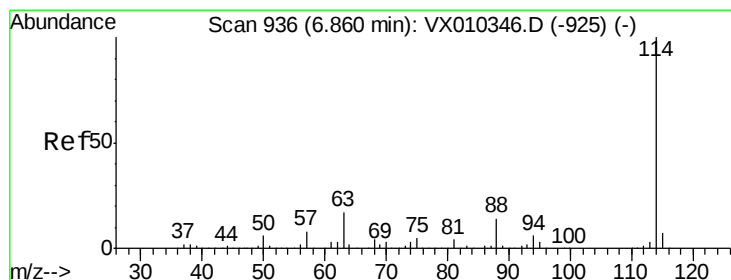
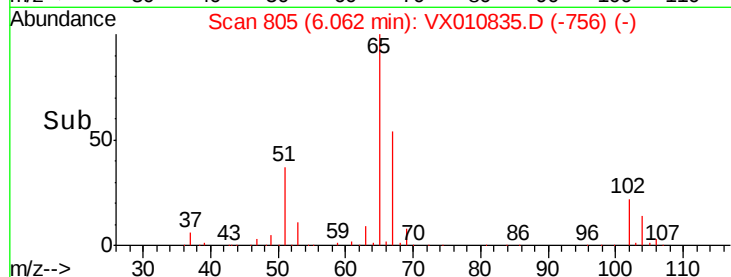
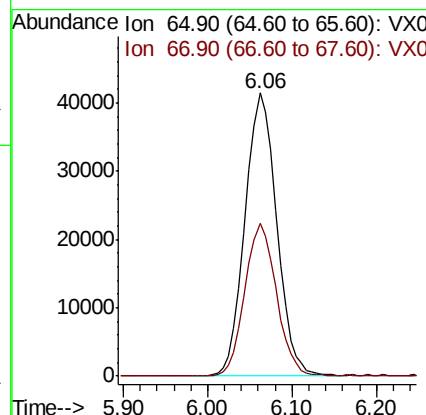
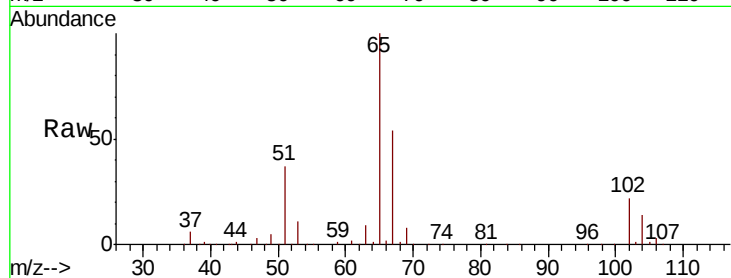




#33
 1,2-Dichloroethane-d4
 Concen: 56.300 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010835.D
 Acq: 12 Jul 2019 14:53

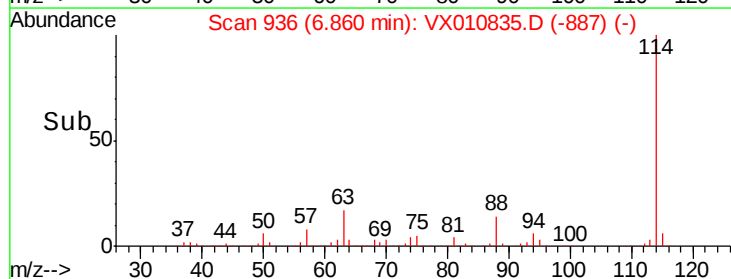
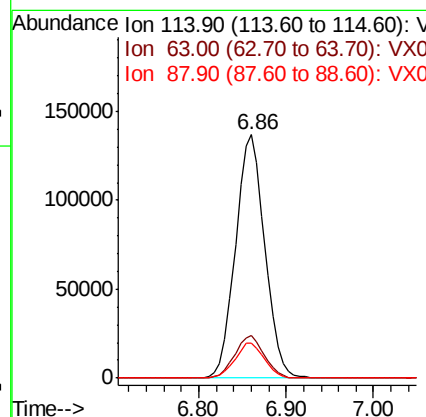
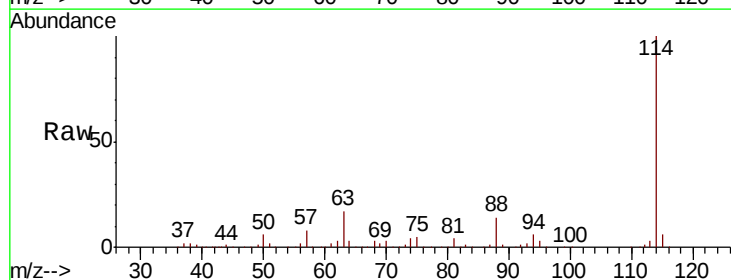
Instrument :
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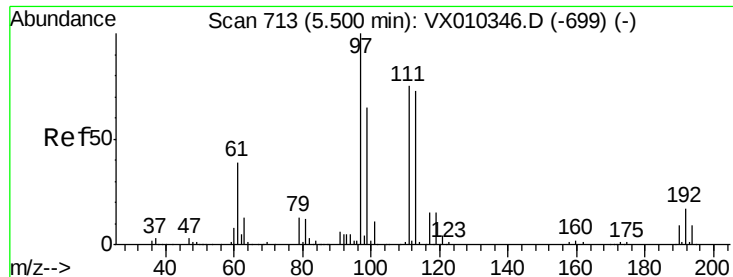
Tot Ion: 65 Resp: 105697
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010835.D
 Acq: 12 Jul 2019 14:53

Tgt Ion: 114 Resp: 319280
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 33.8
 88 14.5 0.0 27.6





#35

Dibromofluoromethane

Concen: 49.838 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010835.D

Acq: 12 Jul 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

KY030LC018-SW-190711

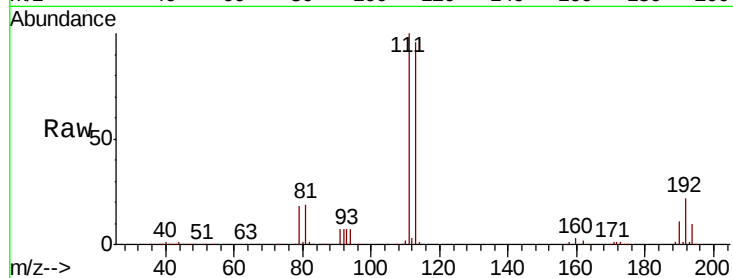
Tot Ion:113 Resp: 97357

Ion Ratio Lower Upper

113 100

111 103.0 81.2 121.8

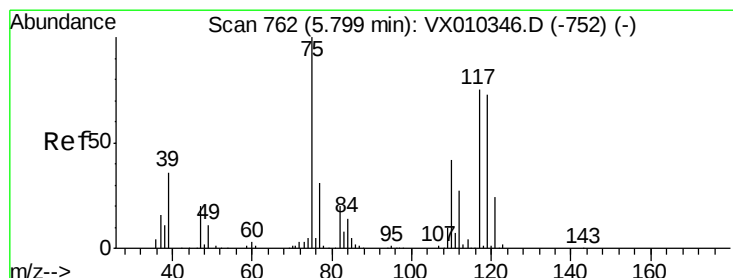
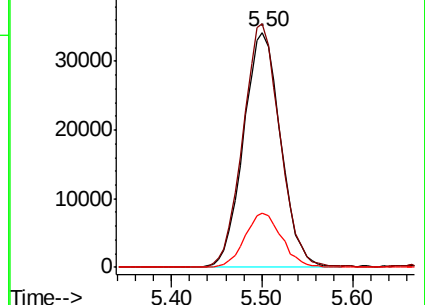
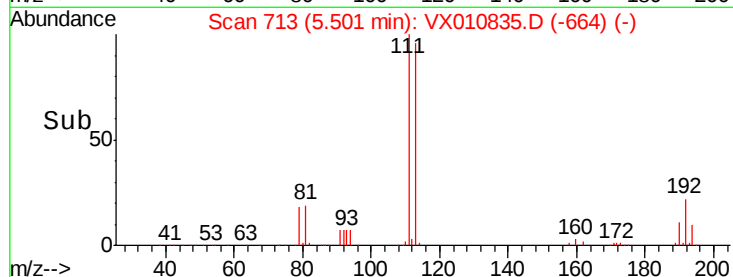
192 22.8 18.6 27.8



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: 5.210 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010835.D

Acq: 12 Jul 2019 14:53

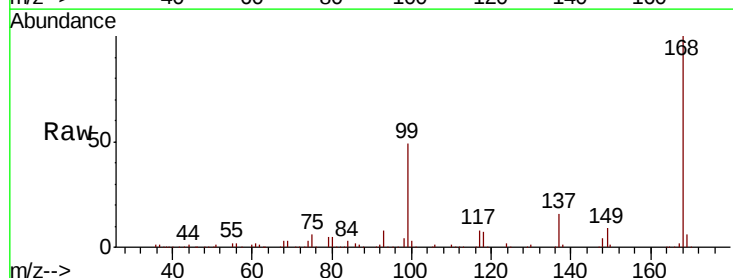
Tgt Ion: 75 Resp: 13219

Ion Ratio Lower Upper

75 100

110 11.3 20.8 62.2#

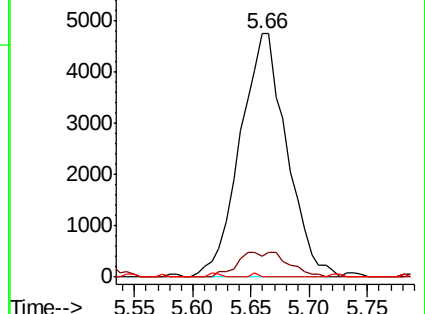
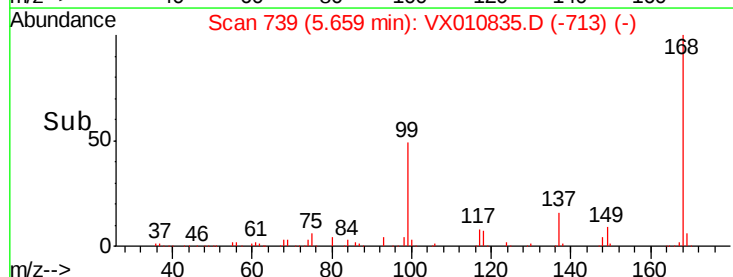
77 0.2 25.4 38.0#

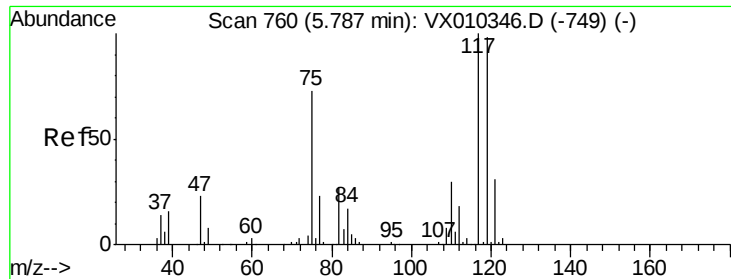


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.585 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010835.D

Acq: 12 Jul 2019 14:53

Instrument :

MSVOA_X

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KY030LC018-SW-190711

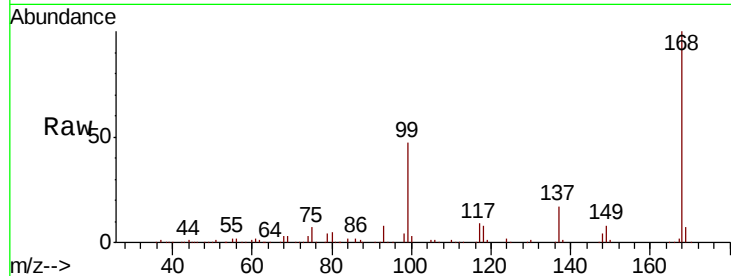
Tot Ion:117 Resp: 18091

Ion Ratio Lower Upper

117 100

119 5.7 78.2 117.4#

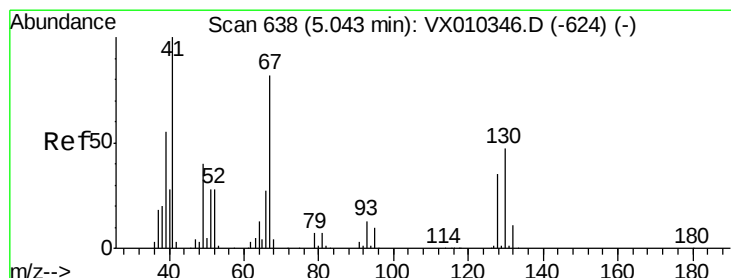
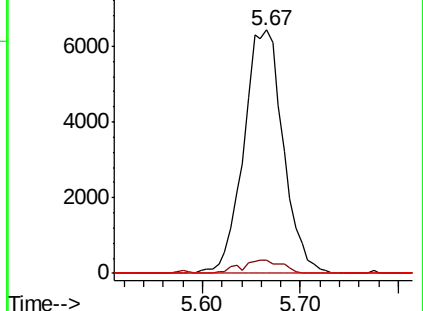
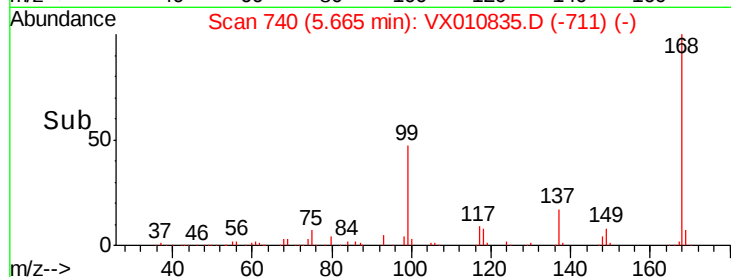
121 0.0 24.7 37.1#



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



#41

Methacrylonitrile

Concen: 0.233 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.02 min

Lab File: VX010835.D

Acq: 12 Jul 2019 14:53

Tgt Ion: 41 Resp: 333

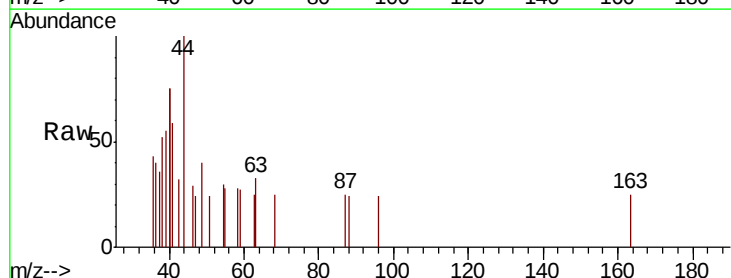
Ion Ratio Lower Upper

41 100

39 77.8 43.8 65.8#

67 6.3 66.6 100.0#

52 11.7 24.5 36.7#

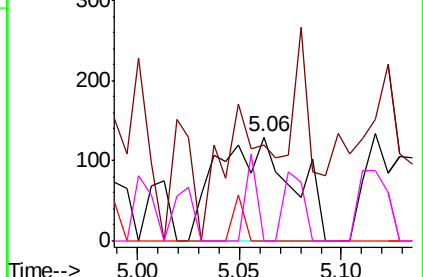
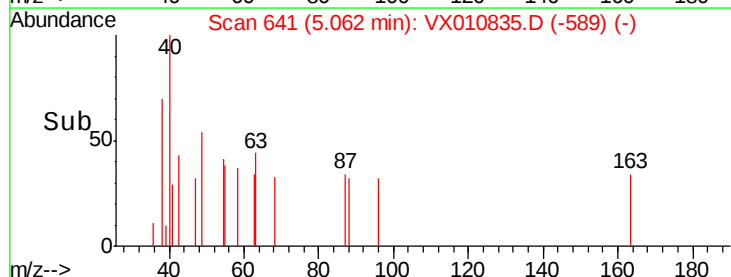


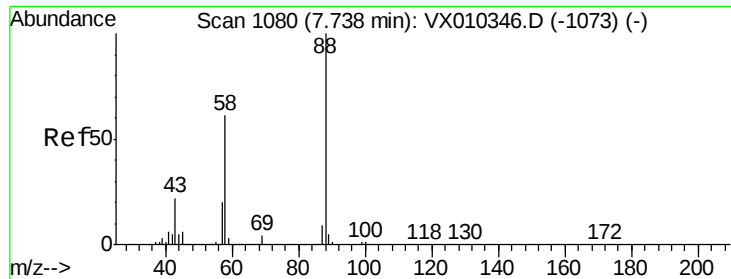
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

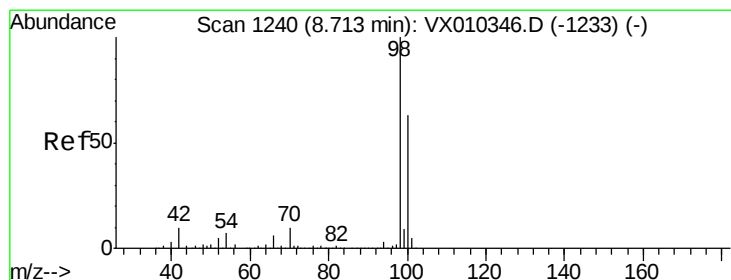
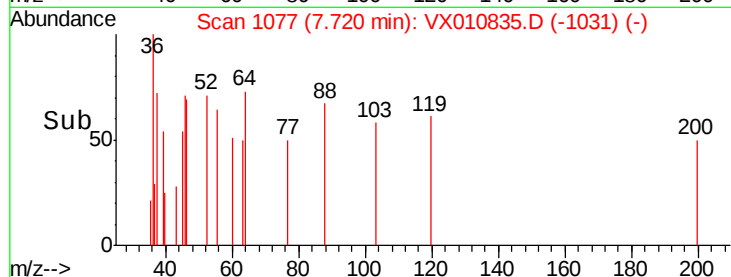
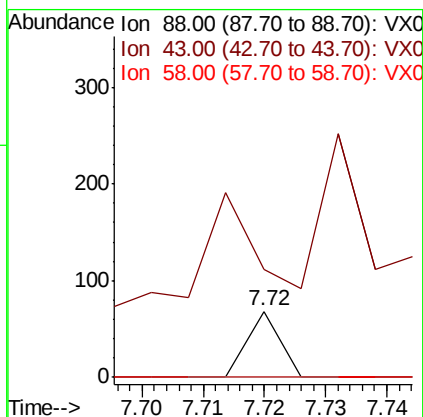
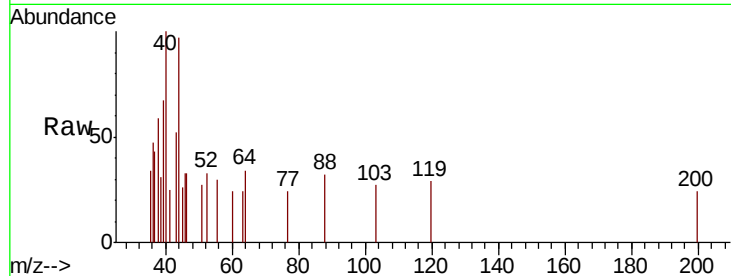




#49
 1,4-Dioxane
 Concen: 0.432 ug/l
 RT: 7.72 min Scan# 1077
 Delta R.T. -0.02 min
 Lab File: VX010835.D
 Acq: 12 Jul 2019 14:53

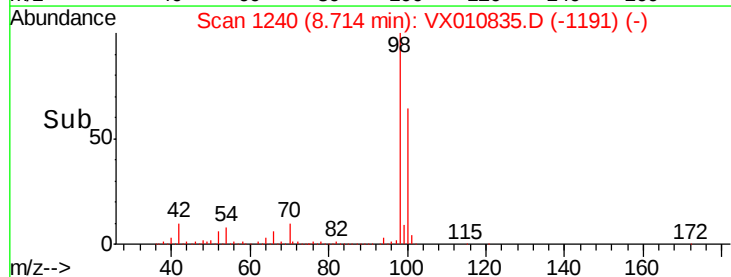
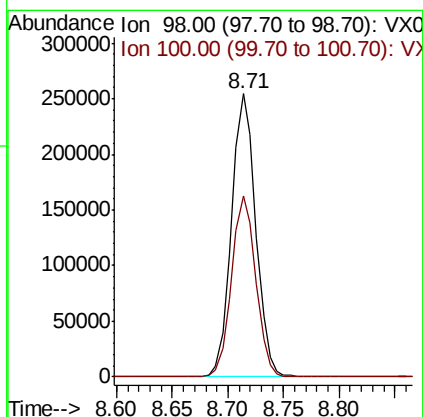
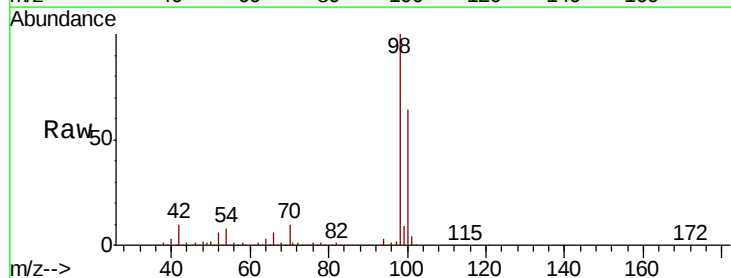
Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC018-SW-190711

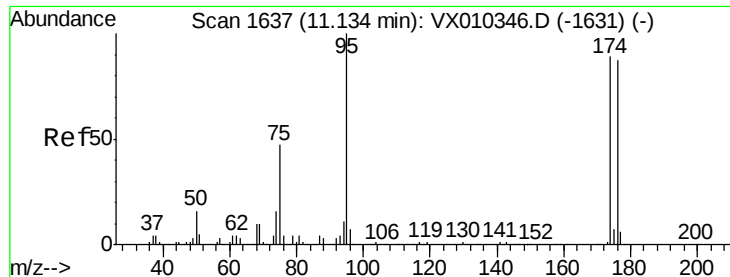
Tot Ion	Ratio	Lower	Upper
88	100		
43	288.0	20.2	30.2#
58	0.0	49.5	74.3#



#50
 Toluene-d8
 Concen: 51.134 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX010835.D
 Acq: 12 Jul 2019 14:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.6	77.4

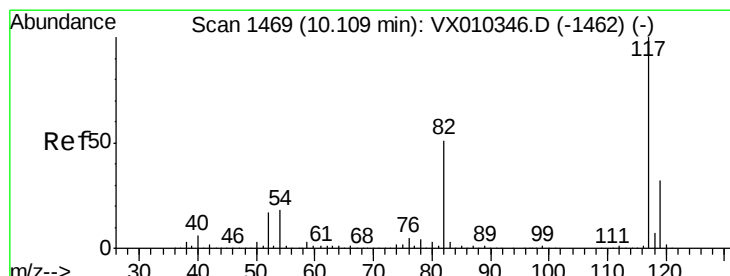
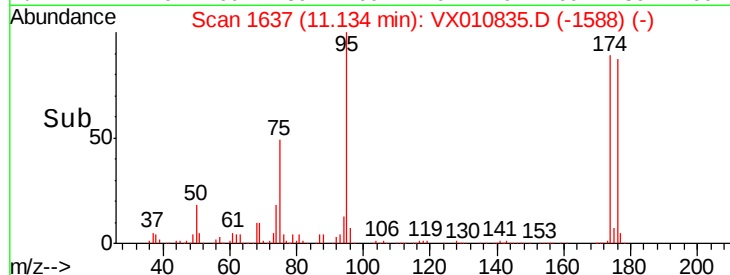
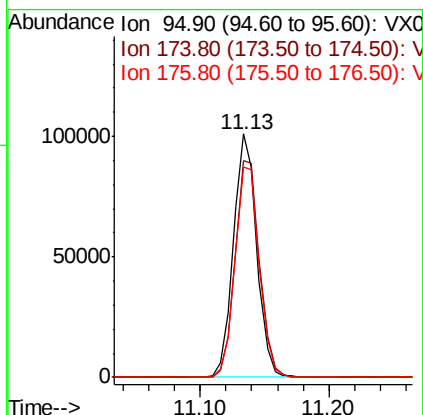
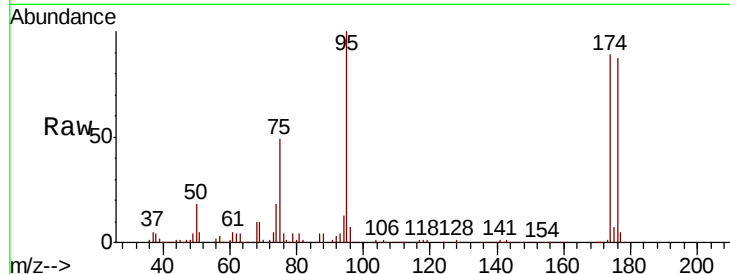




#62
4-Bromofluorobenzene
Concen: 47.447 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010835.D
Acq: 12 Jul 2019 14:53

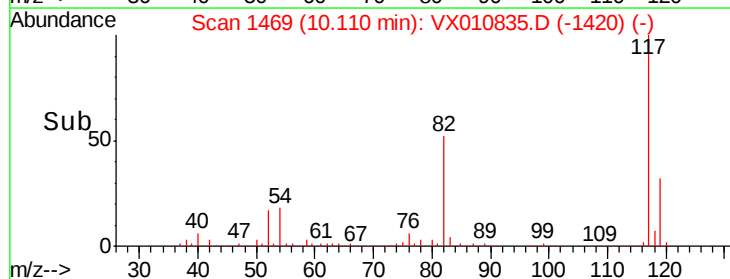
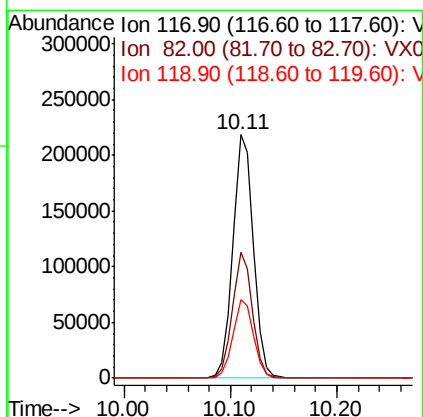
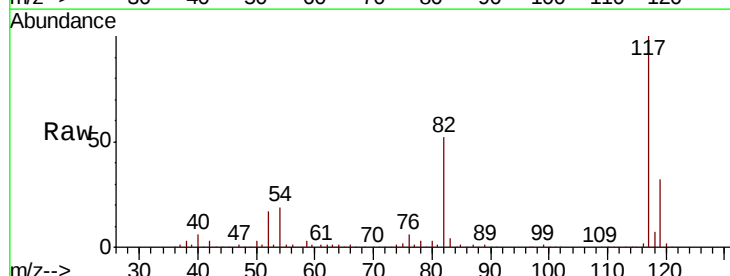
Instrument :
MSVOA_X
ClientSampleId :
KY030LC018-SW-190711

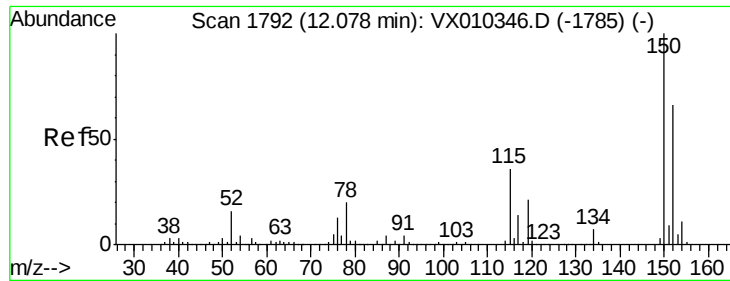
Tot Ion	Ratio	Lower	Upper
95	100		
174	92.8	0.0	187.6
176	90.1	0.0	184.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010835.D
Acq: 12 Jul 2019 14:53

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.7	41.2	61.8
119	32.1	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010835.D

Acq: 12 Jul 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

KY030LC018-SW-190711

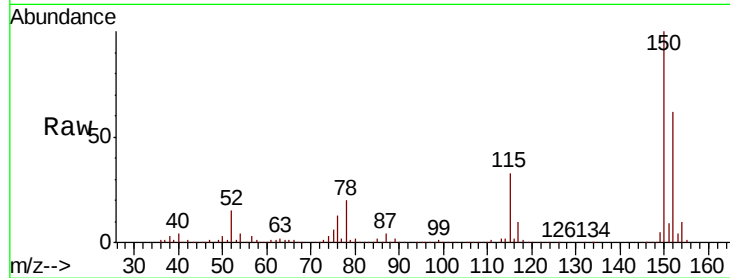
Tot Ion:152 Resp: 134975

Ion Ratio Lower Upper

152 100

115 55.0 38.6 115.7

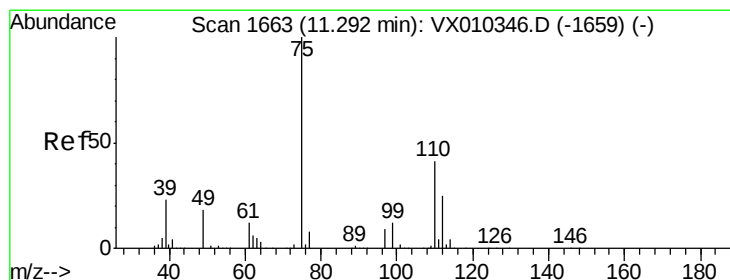
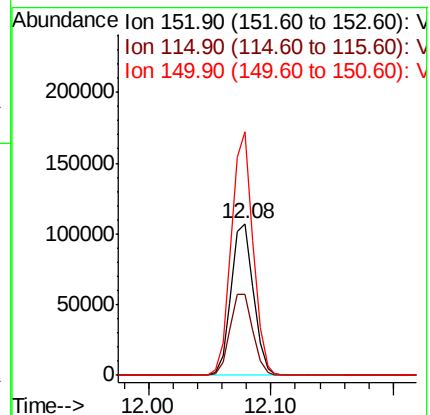
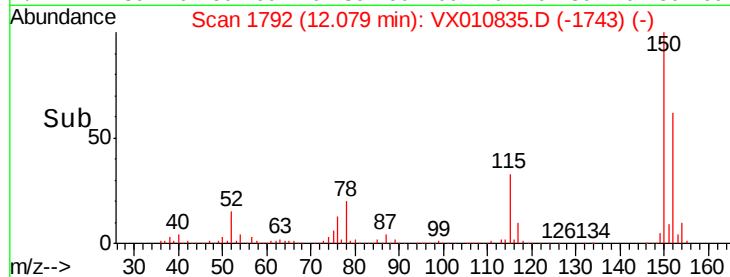
150 155.7 0.0 347.4



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: 25.349 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010835.D

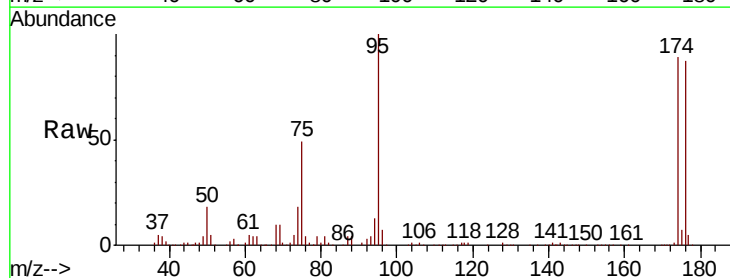
Acq: 12 Jul 2019 14:53

Tgt Ion: 75 Resp: 62349

Ion Ratio Lower Upper

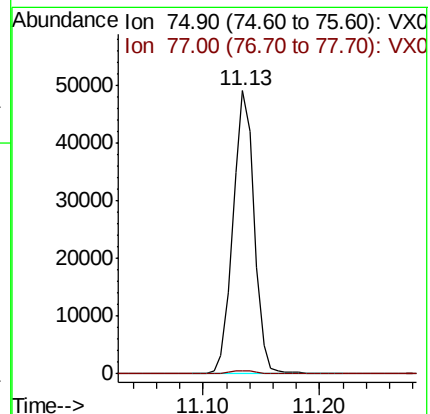
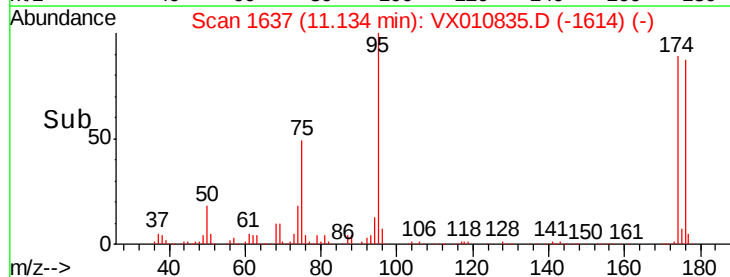
75 100

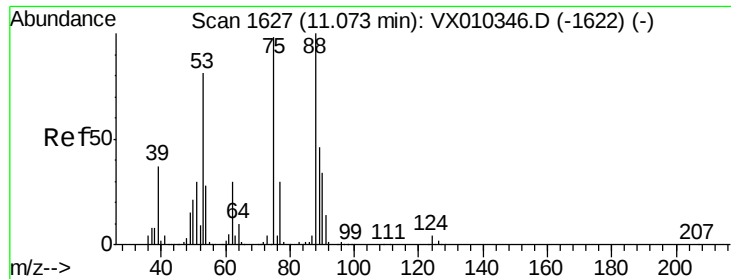
77 1.5 22.6 67.8#



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: 59.137 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010835.D

Acq: 12 Jul 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

KY030LC018-SW-190711

Tot Ion: 75 Resp: 62349

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.1 37.8 56.6#

