

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062419\
 Data File : VX010410.D
 Acq On : 24 Jun 2019 14:40
 Operator : JC/SP
 Sample : K3486-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jun 25 03:38:04 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	306043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	465210	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	406968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182803	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	138914	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
35) Dibromofluoromethane	5.49	113	142007	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
50) Toluene-d8	8.71	98	542283	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
62) 4-Bromofluorobenzene	11.13	95	175760	44.71	ug/l	0.00
Spiked Amount			Recovery	=	89.42%	

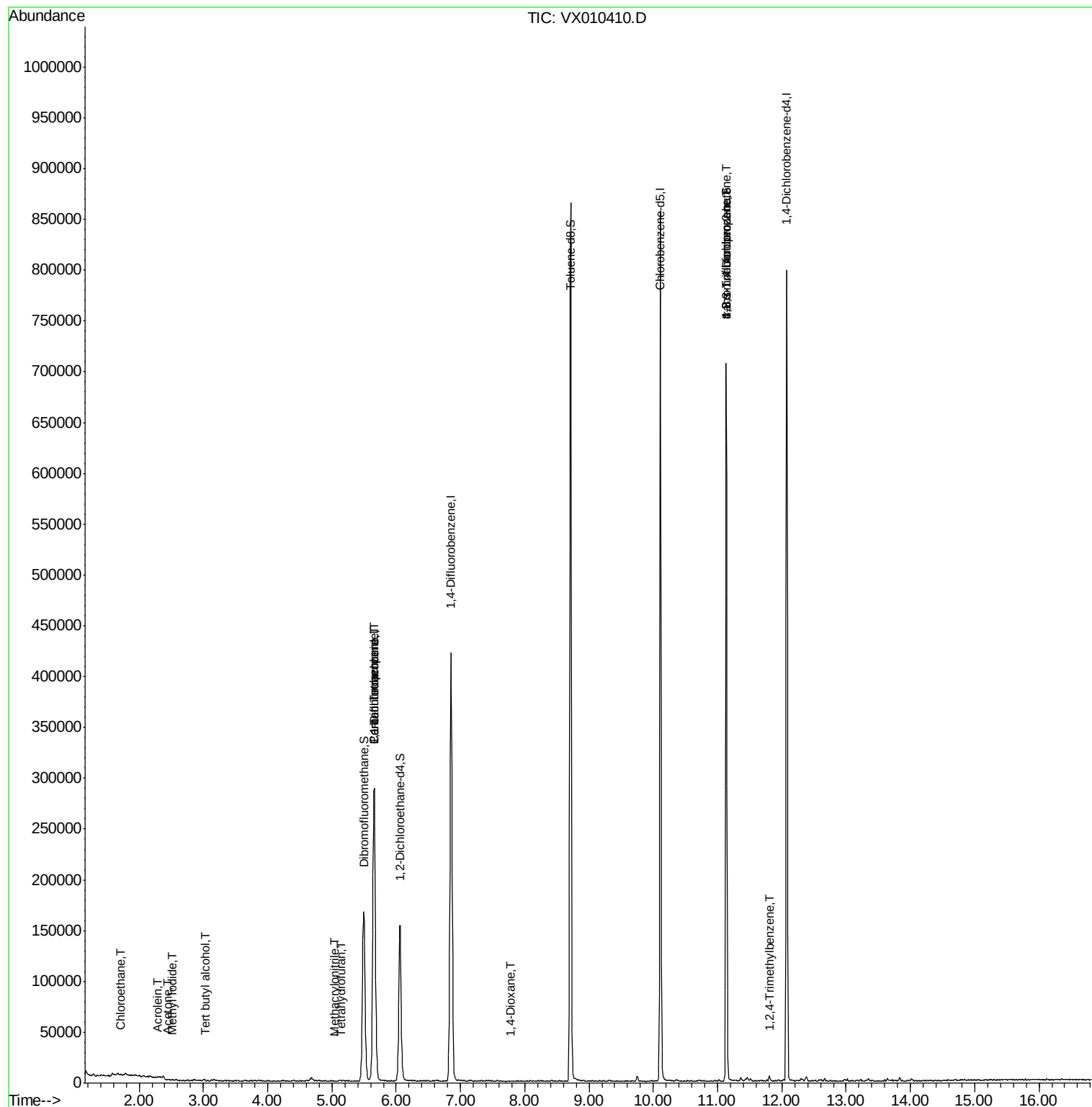
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	417	0.260	ug/l #	41
10) Methyl Iodide	2.51	142	820	0.220	ug/l #	92
11) Tert butyl alcohol	3.02	59	744	0.991	ug/l #	92
13) Acrolein	2.29	56	365	0.733	ug/l	91
16) Acetone	2.45	43	499	0.347	ug/l #	39
29) Tetrahydrofuran	5.13	42	283	0.217	ug/l #	38
36) 1,1-Dichloropropene	5.65	75	18459	4.993	ug/l #	47
38) Carbon Tetrachloride	5.65	117	26828	6.702	ug/l #	16
41) Methacrylonitrile	5.04	41	433	0.208	ug/l #	27
49) 1,4-Dioxane	7.79	88	19	0.226	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	82933	24.896	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	82933	58.080	ug/l #	16
84) 1,2,4-Trimethylbenzene	11.80	105	2484	0.242	ug/l	96

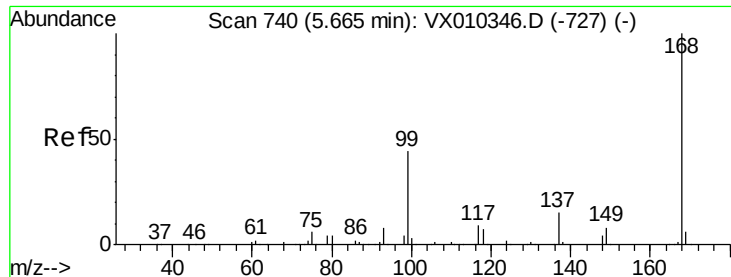
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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
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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: VX010410.D

Acq: 24 Jun 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

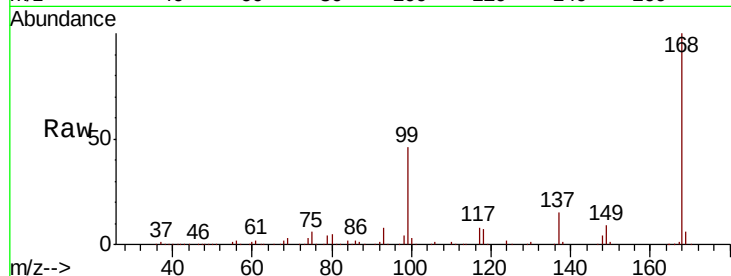
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Tot Ion:168 Resp: 306043

Ion Ratio Lower Upper

168 100

99 45.6 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

120000

100000

80000

60000

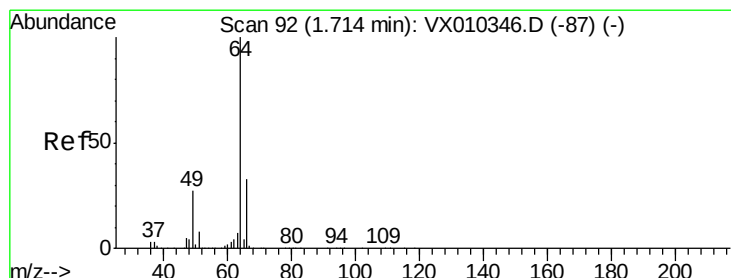
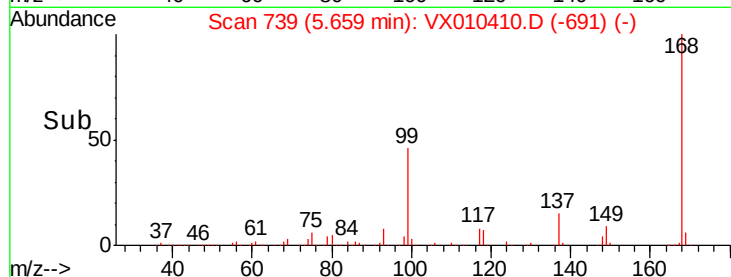
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.260 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX010410.D

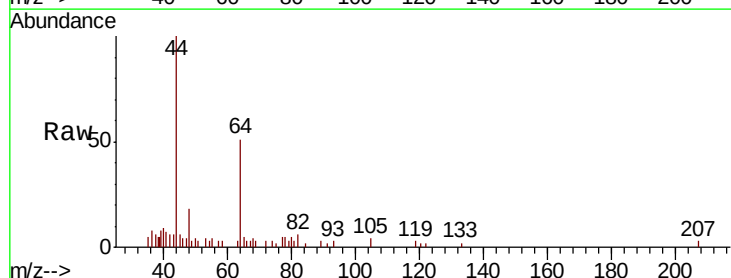
Acq: 24 Jun 2019 14:40

Tgt Ion: 64 Resp: 417

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

1.71

1500

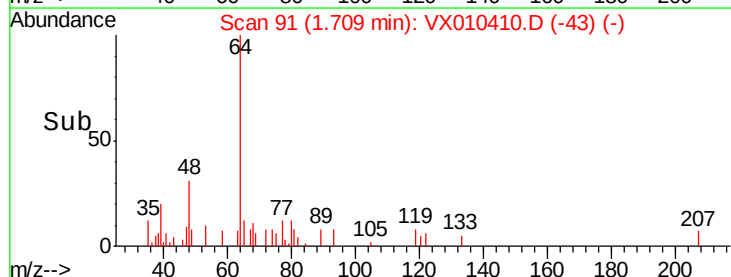
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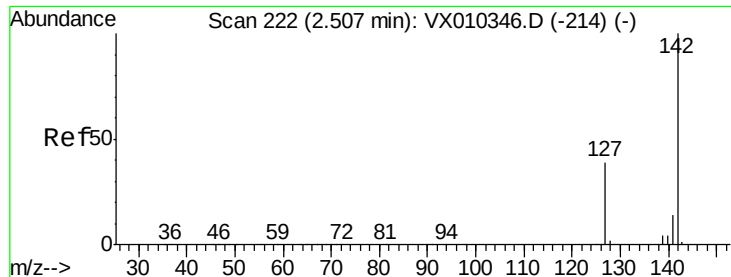
500

0

Time-->

1.70 1.72 1.74

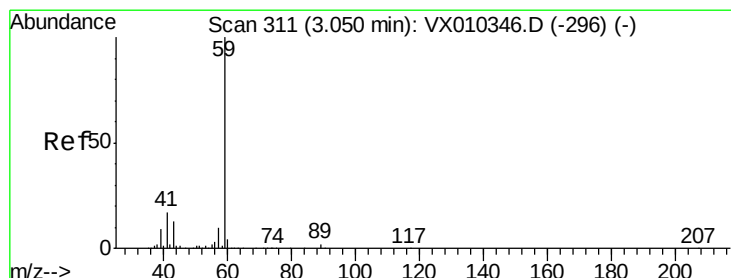
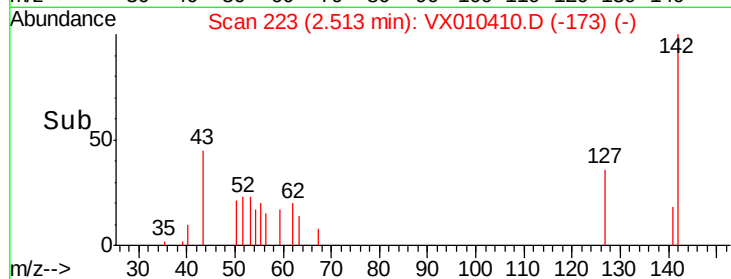
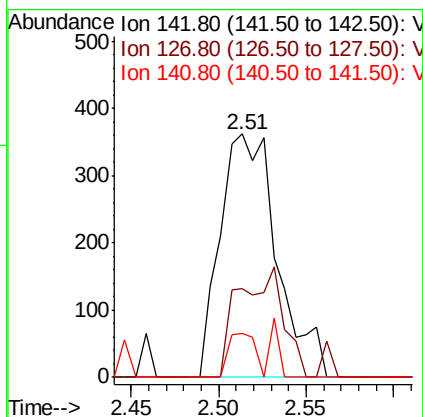
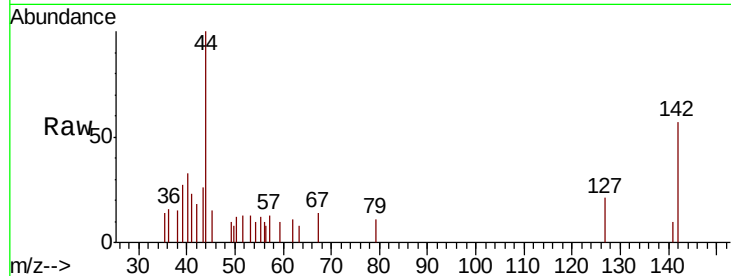




#10
Methvl Iodide
Concen: 0.220 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX010410.D
Acq: 24 Jun 2019 14:40

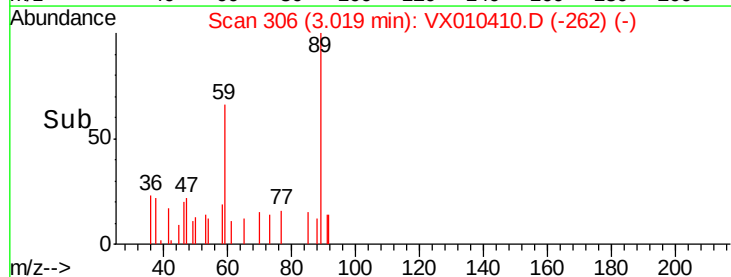
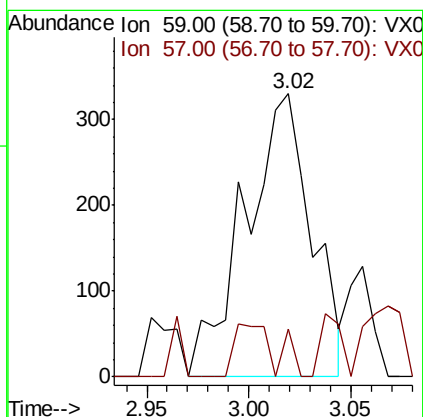
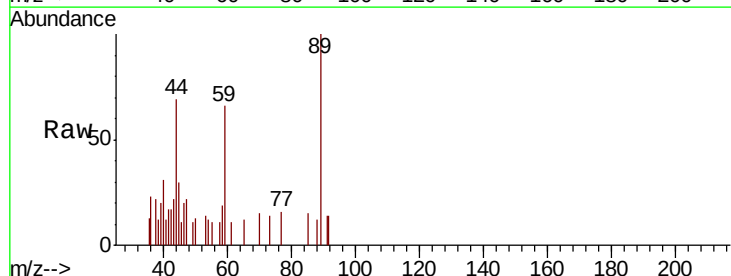
Instrument :
MSVOA_X
ClientSampleId :
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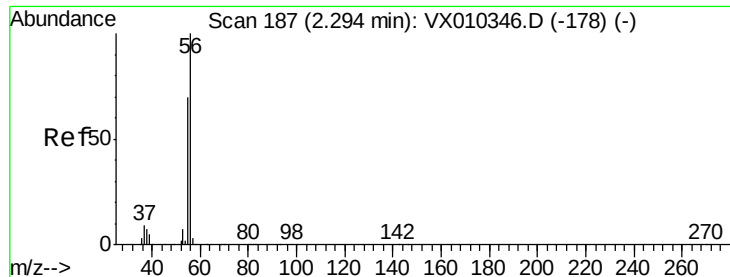
Tot Ion:142 Resp: 820
Ion Ratio Lower Upper
142 100
127 35.6 31.1 46.7
141 8.4 11.2 16.8#



#11
Tert butyl alcohol
Concen: 0.991 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010410.D
Acq: 24 Jun 2019 14:40

Tgt Ion: 59 Resp: 744
Ion Ratio Lower Upper
59 100
57 6.6 7.7 11.5#





#13

Acrolein

Concen: 0.733 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010410.D

Acq: 24 Jun 2019 14:40

Instrument :

MSVOA_X

ClientSampled :

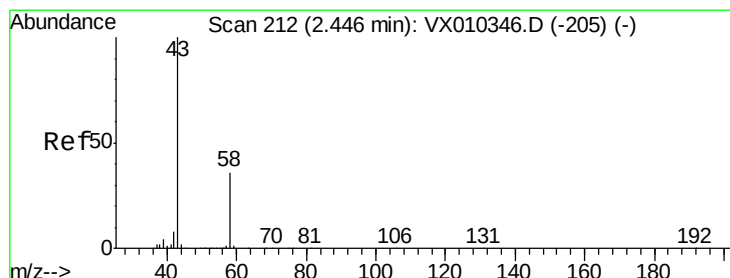
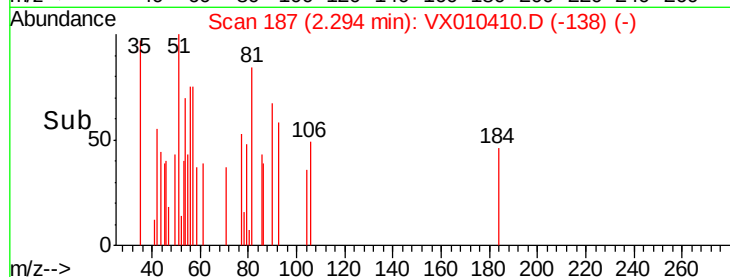
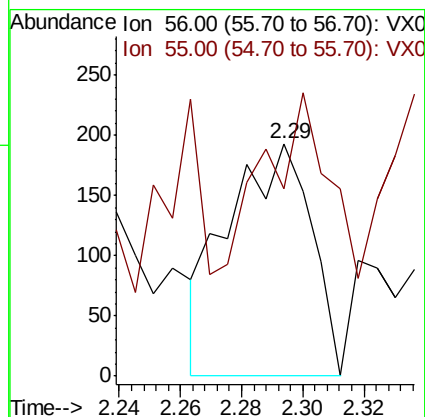
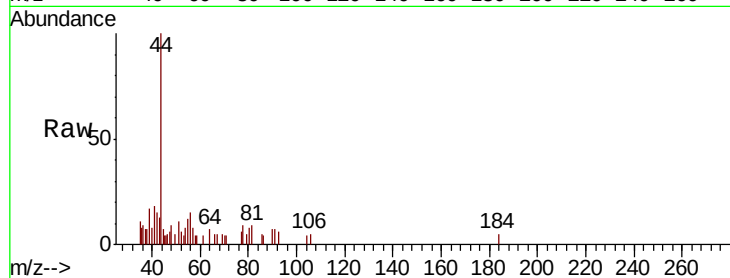
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Tot Ion: 56 Resp: 365

Ion Ratio Lower Upper

56 100

55 63.3 56.9 85.3



#16

Acetone

Concen: 0.347 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010410.D

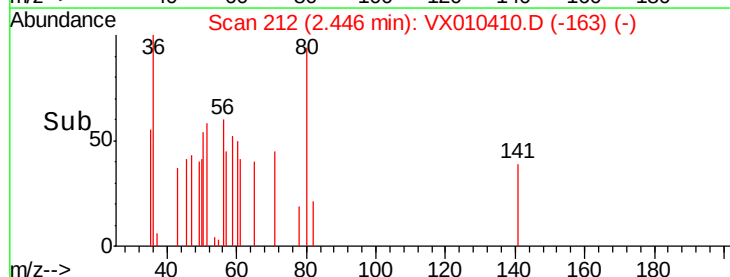
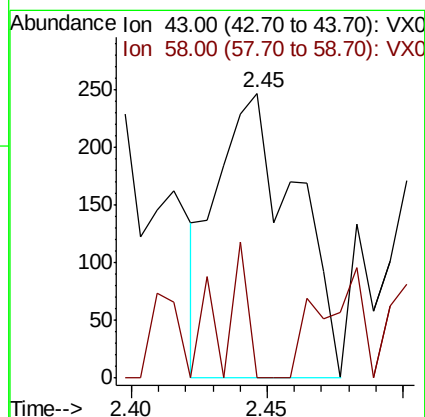
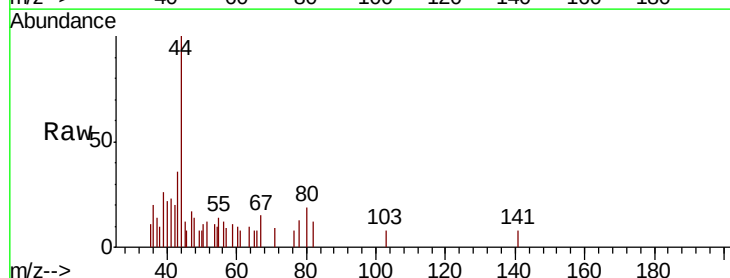
Acq: 24 Jun 2019 14:40

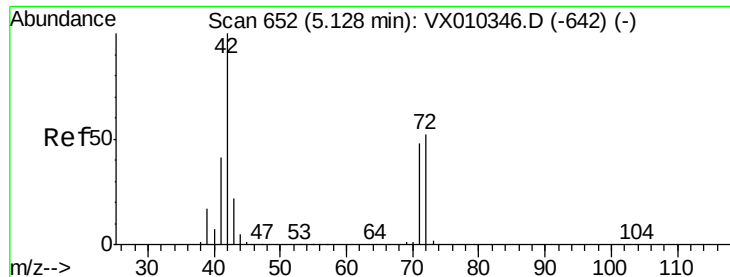
Tgt Ion: 43 Resp: 499

Ion Ratio Lower Upper

43 100

58 0.0 28.9 43.3#





#29

Tetrahydrofuran

Concen: 0.217 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX010410.D

Acq: 24 Jun 2019 14:40

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

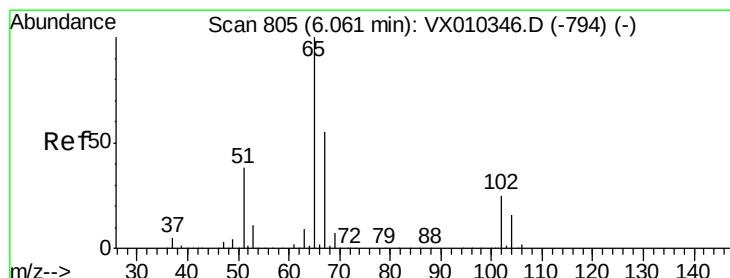
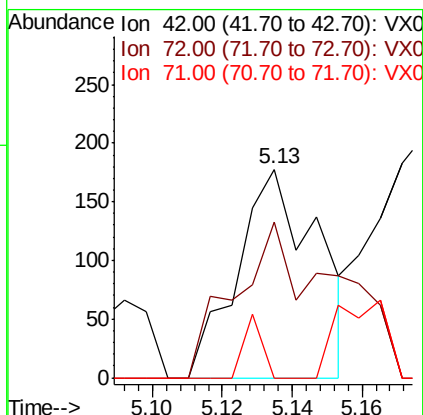
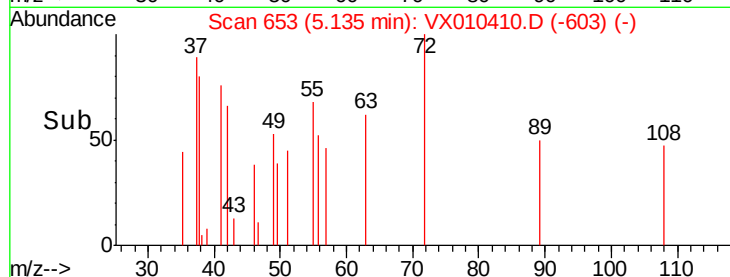
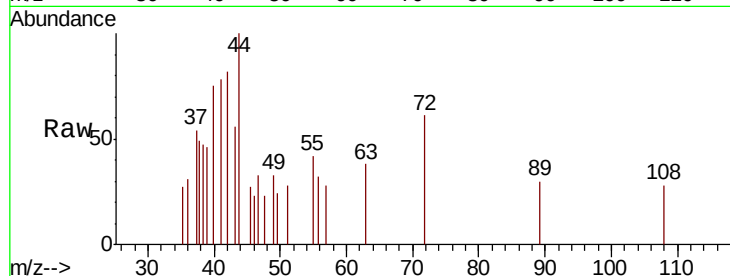
Tot Ion: 42 Resp: 283

Ion Ratio Lower Upper

42 100

72 94.3 40.6 60.8#

71 7.1 37.8 56.8#



#33

1,2-Dichloroethane-d4

Concen: 48.411 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX010410.D

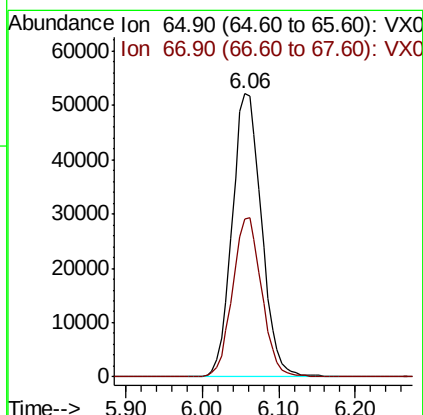
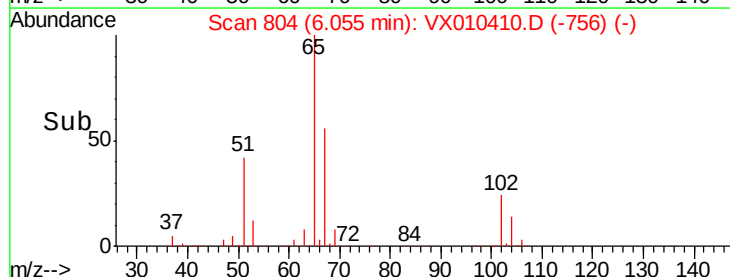
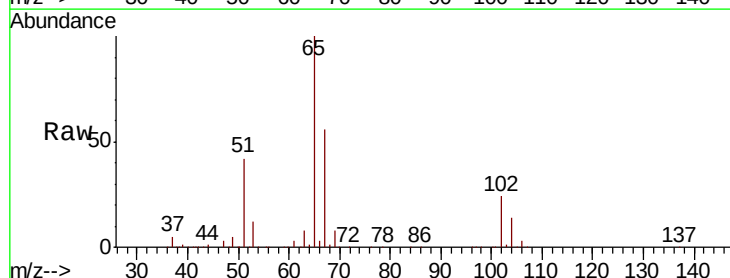
Acq: 24 Jun 2019 14:40

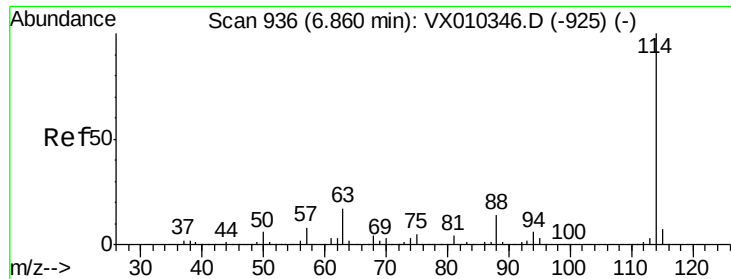
Tgt Ion: 65 Resp: 138914

Ion Ratio Lower Upper

65 100

67 55.8 0.0 110.2

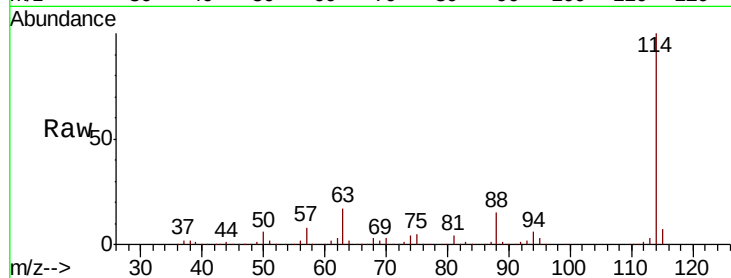




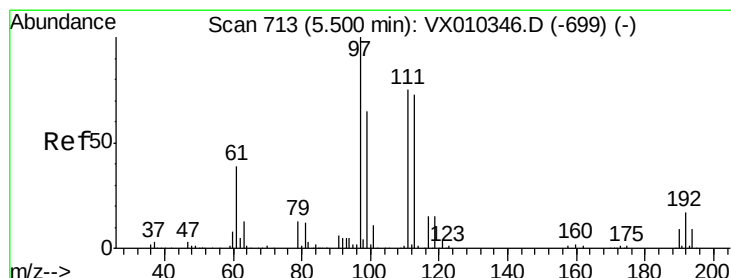
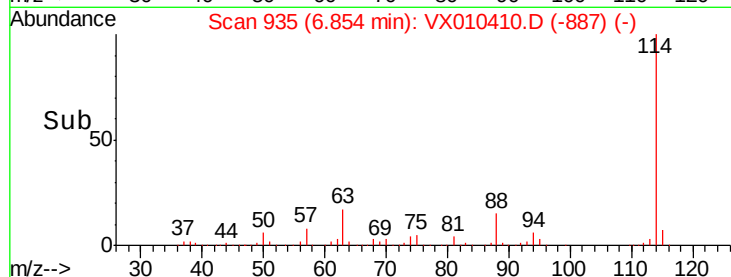
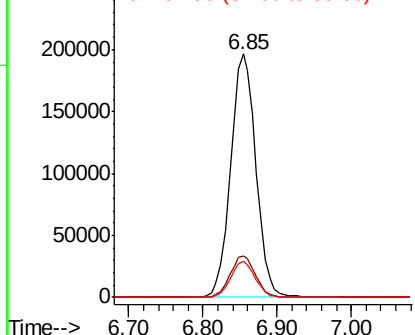
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.01 min
Lab File: VX010410.D
Acq: 24 Jun 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tot Ion:114 Resp: 465210
Ion Ratio Lower Upper
114 100
63 17.0 0.0 33.8
88 14.8 0.0 27.6

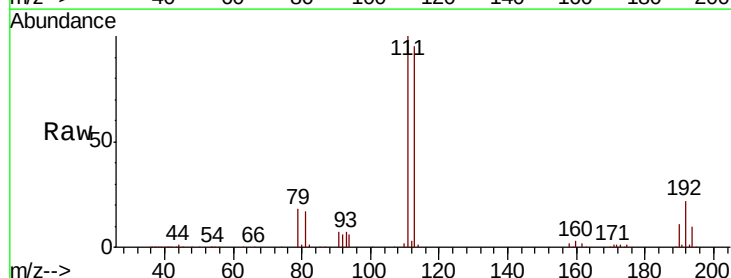


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

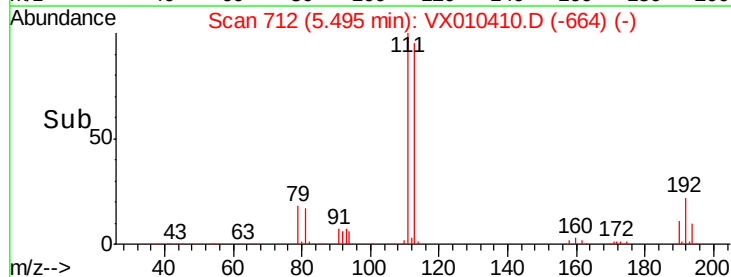
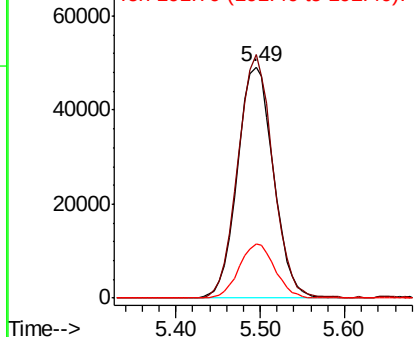


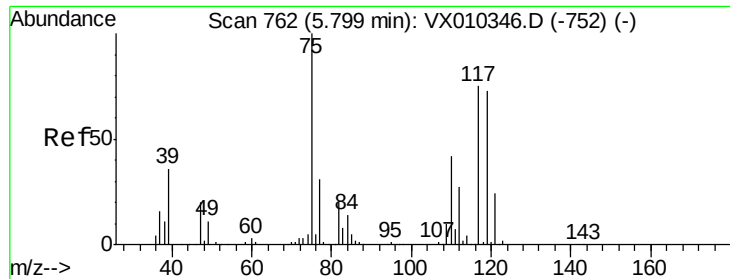
#35
Dibromofluoromethane
Concen: 49.891 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX010410.D
Acq: 24 Jun 2019 14:40

Tgt Ion:113 Resp: 142007
Ion Ratio Lower Upper
113 100
111 102.6 81.2 121.8
192 23.3 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

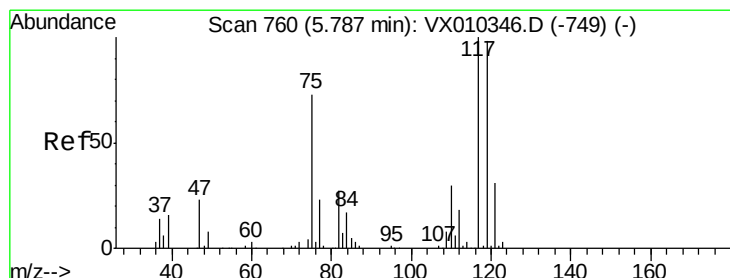
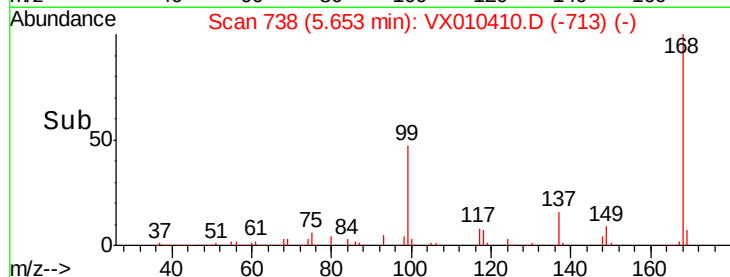
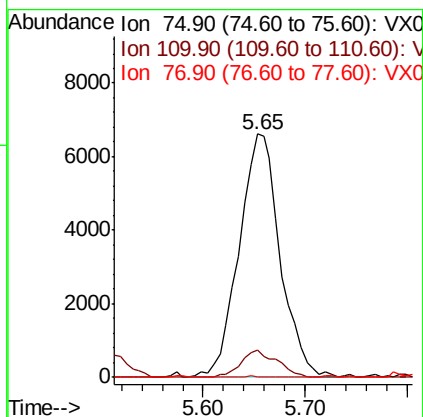
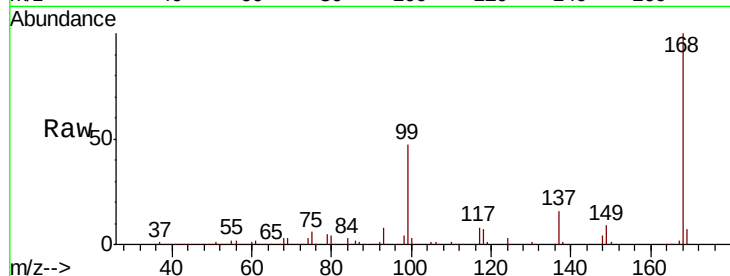




#36
 1,1-Dichloropropene
 Concen: 4.993 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX010410.D
 Acq: 24 Jun 2019 14:40

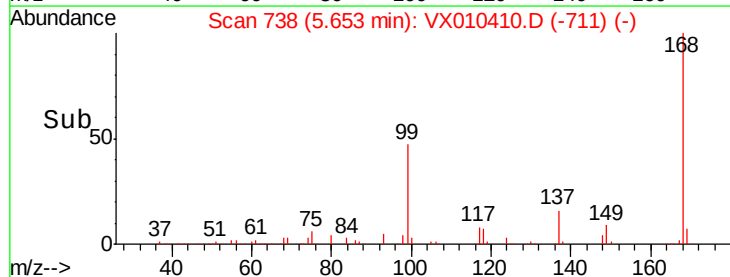
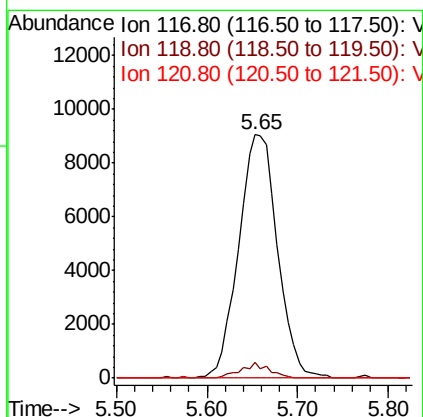
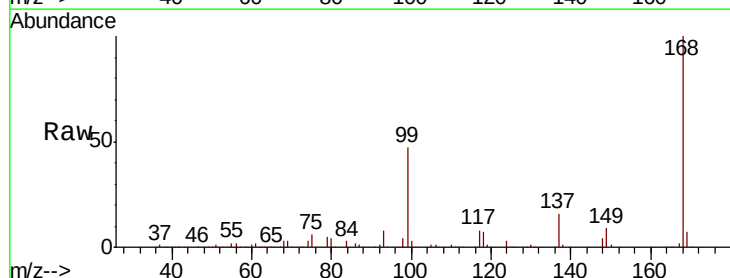
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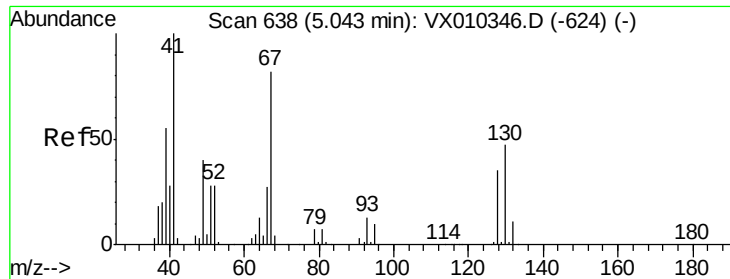
Tot Ion	75	Resp	18459
Ion Ratio	100	Lower	Upper
75	100		
110	10.0	20.8	62.2#
77	0.1	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.702 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX010410.D
 Acq: 24 Jun 2019 14:40

Tgt Ion	117	Resp	26828
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	6.4	78.2	117.4#
121	0.0	24.7	37.1#

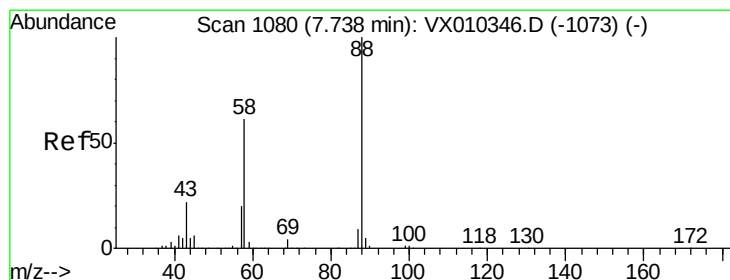
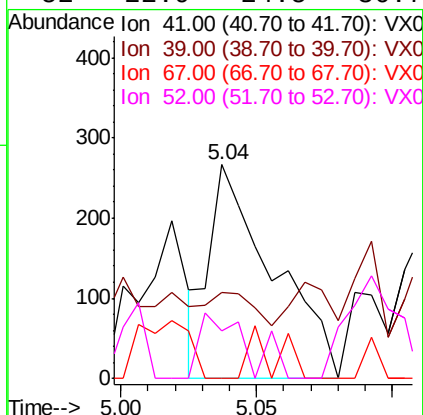
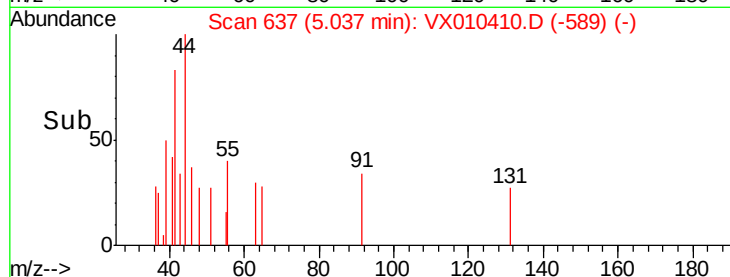
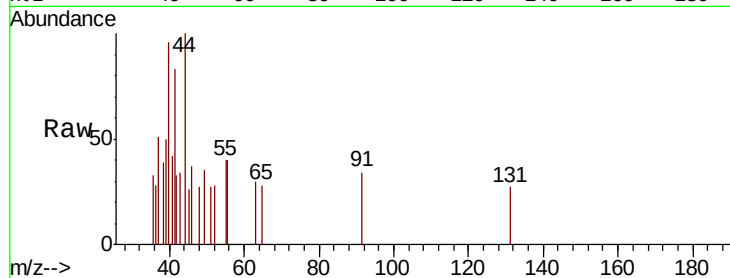




#41
Methacrylonitrile
Concen: 0.208 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010410.D
Acq: 24 Jun 2019 14:40

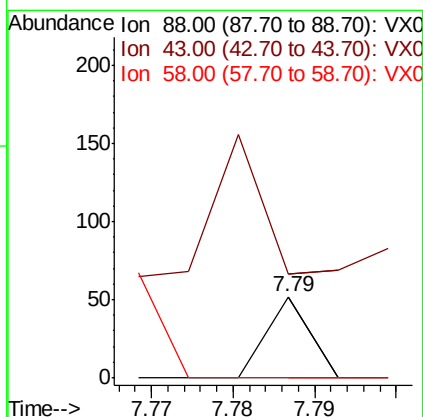
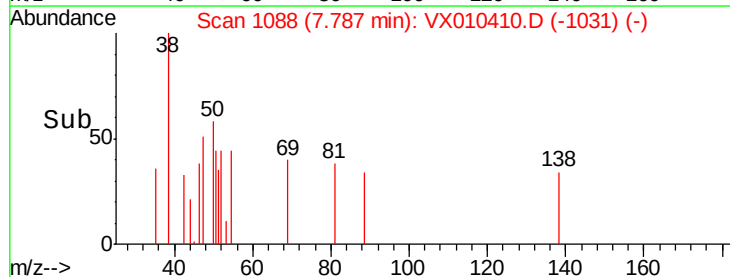
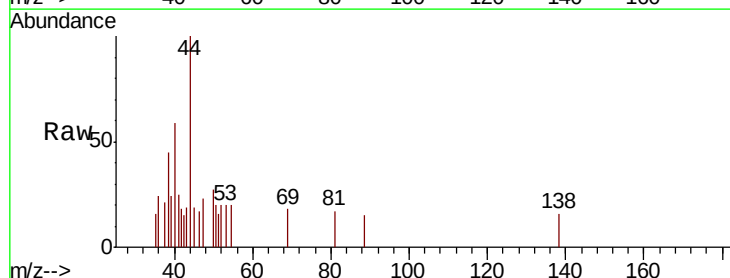
Instrument :
MSVOA_X
ClientSampled :
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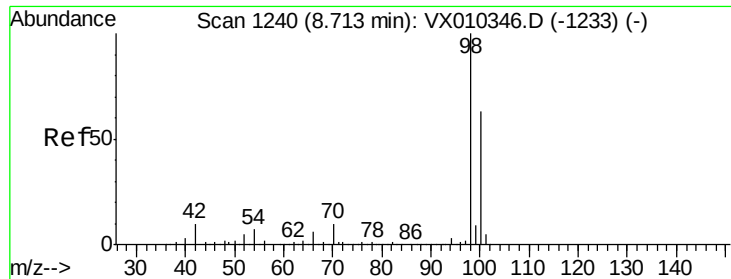
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.8	65.8#
67	0.0	66.6	100.0#
52	22.9	24.5	36.7#



#49
1,4-Dioxane
Concen: 0.226 ug/l
RT: 7.79 min Scan# 1088
Delta R.T. 0.05 min
Lab File: VX010410.D
Acq: 24 Jun 2019 14:40

Tgt Ion	Ratio	Lower	Upper
88	100		
43	568.4	20.2	30.2#
58	0.0	49.5	74.3#

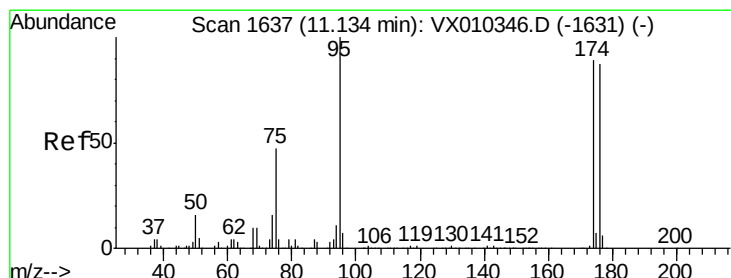
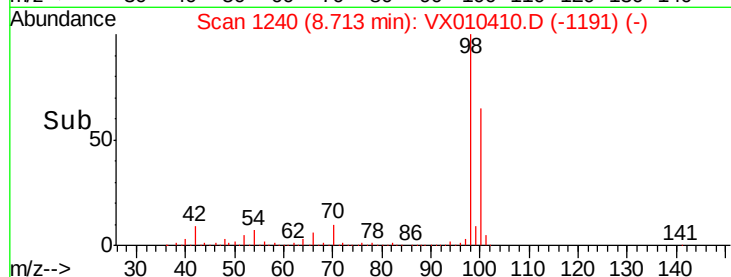
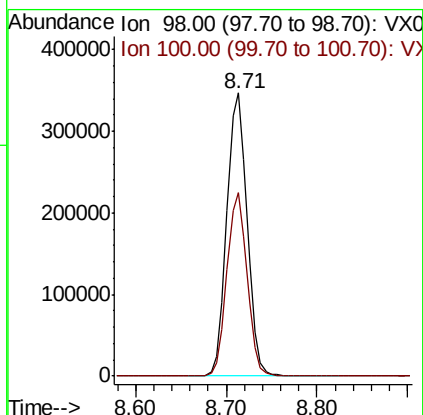
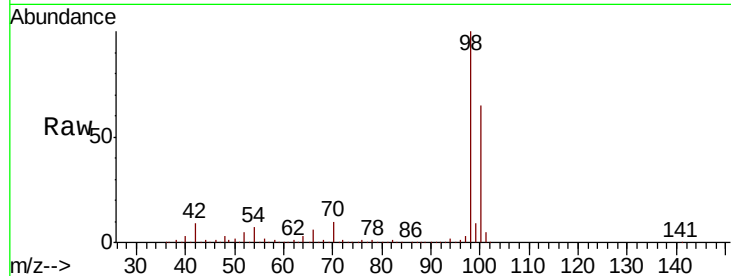




#50
Toluene-d8
Concen: 49.799 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010410.D
Acq: 24 Jun 2019 14:40

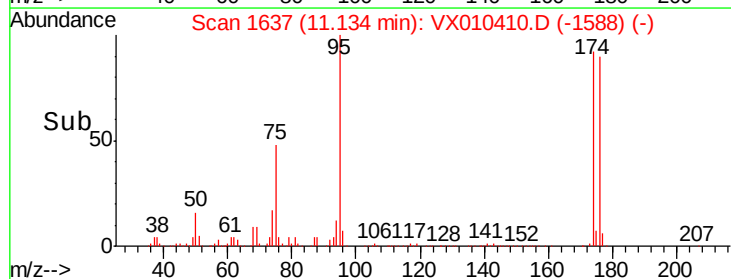
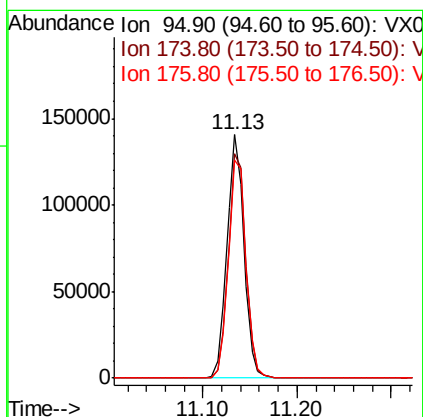
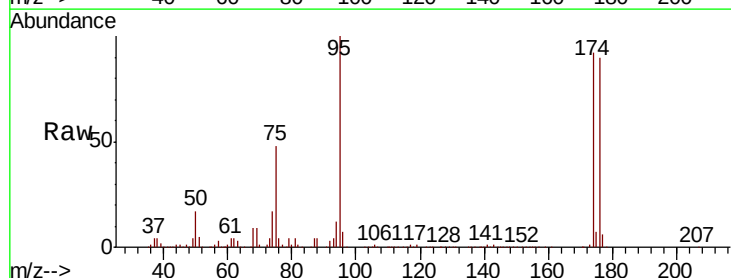
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

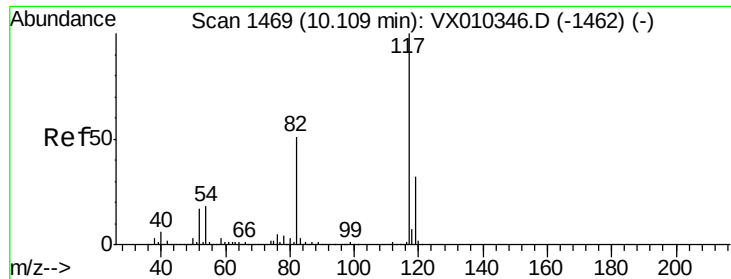
Tot Ion: 98 Resp: 542283
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 44.707 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010410.D
Acq: 24 Jun 2019 14:40

Tgt Ion: 95 Resp: 175760
Ion Ratio Lower Upper
95 100
174 95.1 0.0 187.6
176 93.2 0.0 184.0

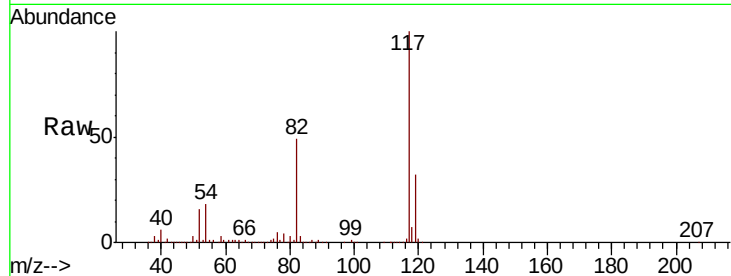




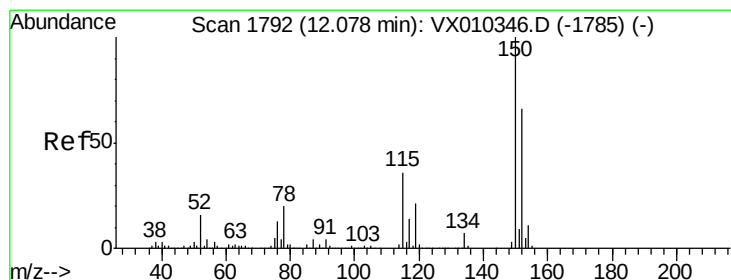
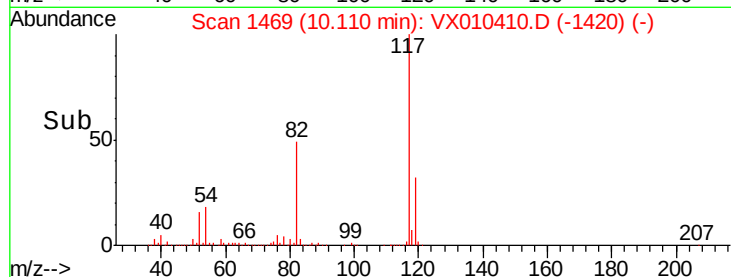
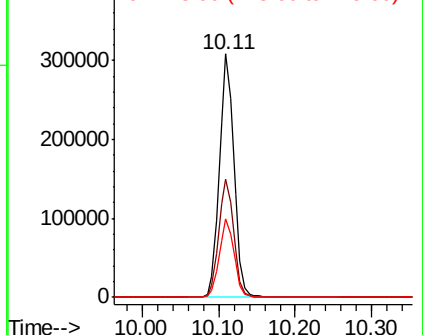
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010410.D
Acq: 24 Jun 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tot Ion:117 Resp: 406968
Ion Ratio Lower Upper
117 100
82 48.7 41.2 61.8
119 32.1 25.5 38.3

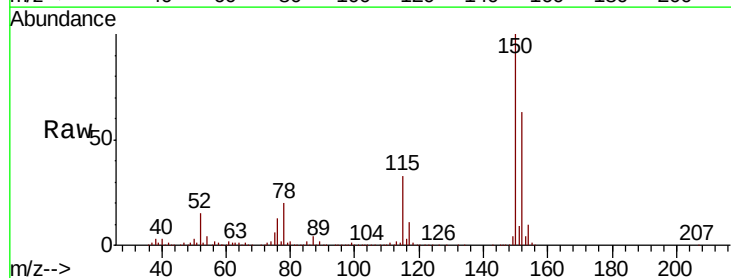


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

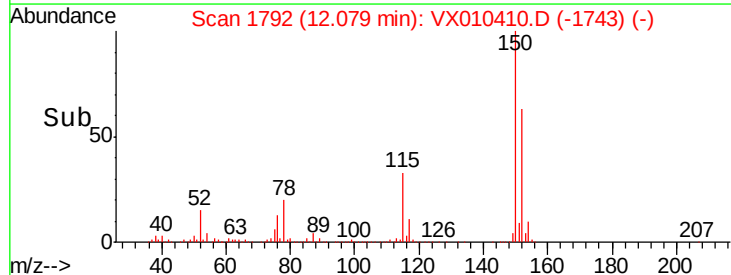
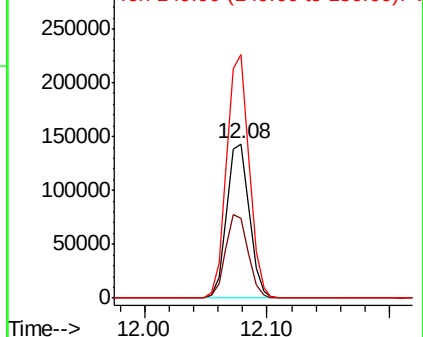


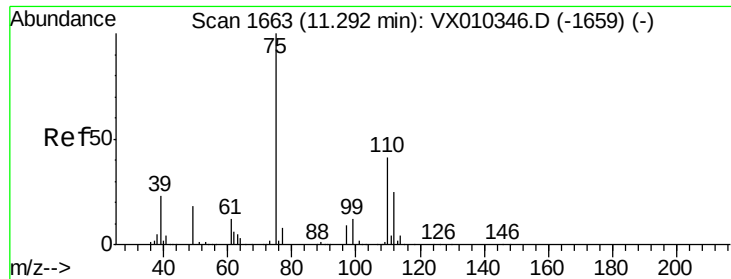
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010410.D
Acq: 24 Jun 2019 14:40

Tgt Ion:152 Resp: 182803
Ion Ratio Lower Upper
152 100
115 54.1 38.6 115.7
150 156.6 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: 24.896 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010410.D

Acq: 24 Jun 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

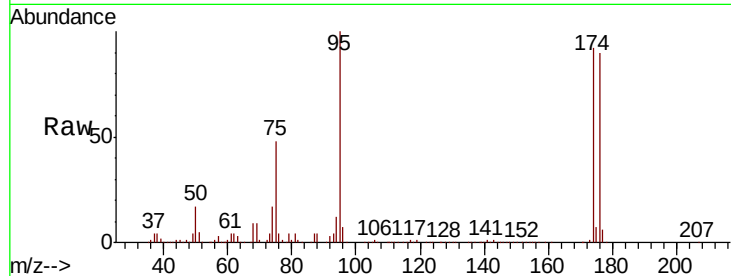
TRIP-BLANK

Tot Ion: 75 Resp: 82933

Ion Ratio Lower Upper

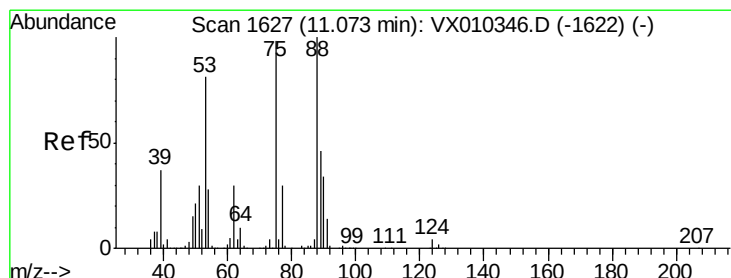
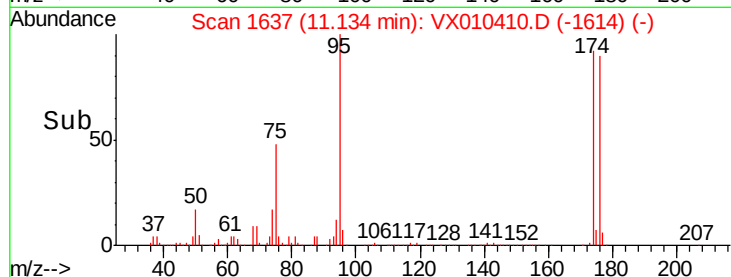
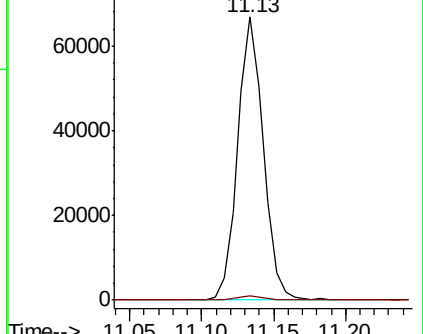
75 100

77 1.4 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: 58.080 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010410.D

Acq: 24 Jun 2019 14:40

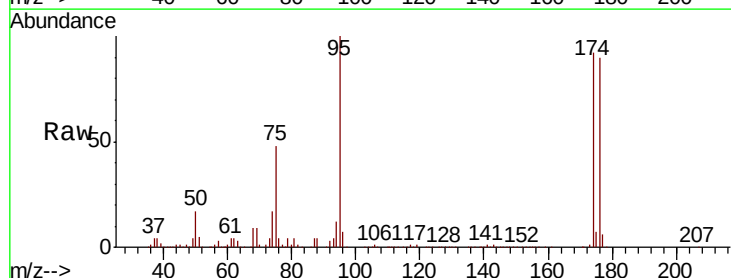
Tgt Ion: 75 Resp: 82933

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

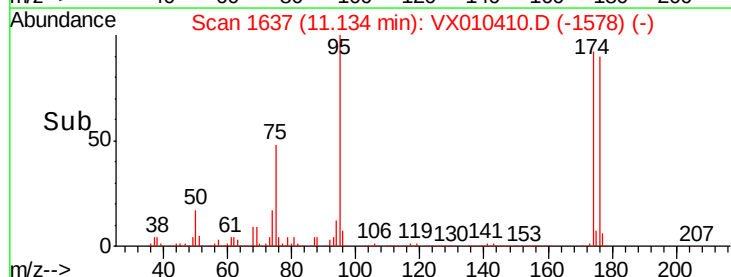
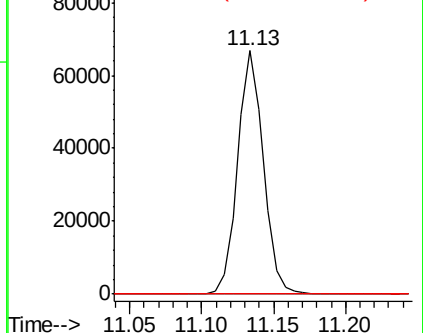
89 0.0 37.8 56.6#

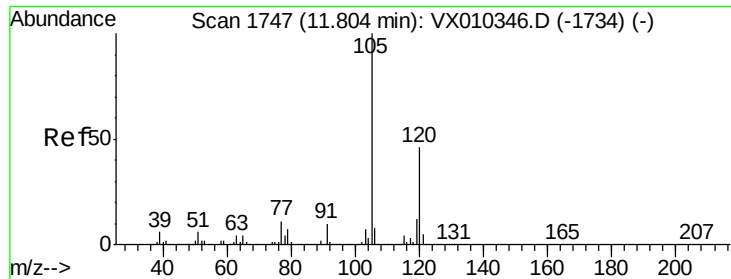


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#84
 1,2,4-Trimethylbenzene
 Concen: 0.242 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010410.D
 Acq: 24 Jun 2019 14:40

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Tot Ion:105 Resp: 2484
 Ion Ratio Lower Upper
 105 100
 120 43.7 23.1 69.2

