

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070219\
 Data File : VX010624.D
 Acq On : 02 Jul 2019 17:57
 Operator : JC/SP
 Sample : K3636-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP19-MMW0002

Quant Time: Jul 03 01:57:54 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	239762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	371380	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	338214	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151745	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	117159	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
35) Dibromofluoromethane	5.50	113	113388	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
50) Toluene-d8	8.71	98	438643	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	11.13	95	147775	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	

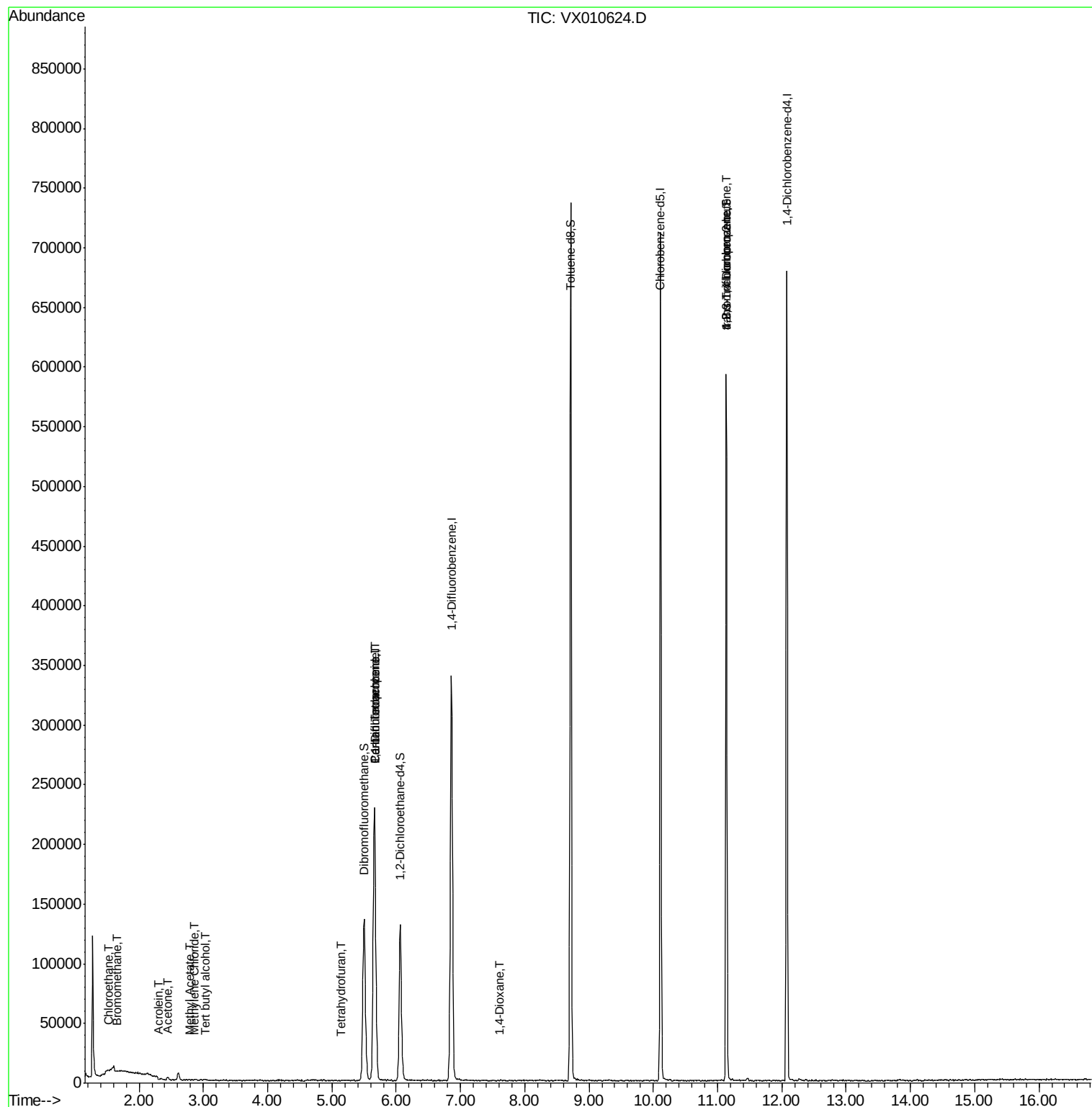
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	452	0.436	ug/l #	54
6) Chloroethane	1.53	64	8901	7.096	ug/l #	47
11) Tert butyl alcohol	3.03	59	821	1.396	ug/l #	75
13) Acrolein	2.31	56	211	0.541	ug/l #	14
16) Acetone	2.45	43	2395	2.126	ug/l	95
18) Methyl Acetate	2.79	43	661	0.294	ug/l #	55
20) Methylene Chloride	2.85	84	485	0.209	ug/l #	71
29) Tetrahydrofuran	5.14	42	352	0.344	ug/l #	28
36) 1,1-Dichloropropene	5.67	75	15260	5.171	ug/l #	47
38) Carbon Tetrachloride	5.66	117	21655	6.776	ug/l #	16
49) 1,4-Dioxane	7.61	88	26	0.387	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	71264	25.772	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	71264	60.123	ug/l #	16

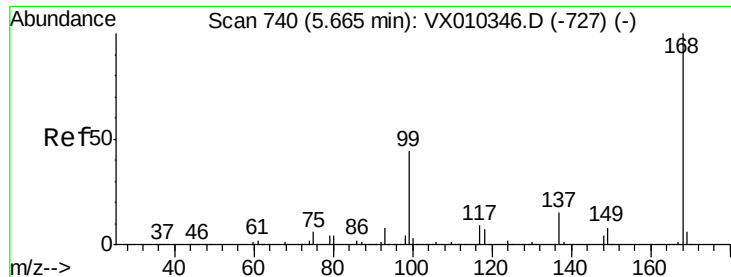
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX010624.D

Acq: 02 Jul 2019 17:57

Instrument :

MSVOA_X

ClientSampleId :

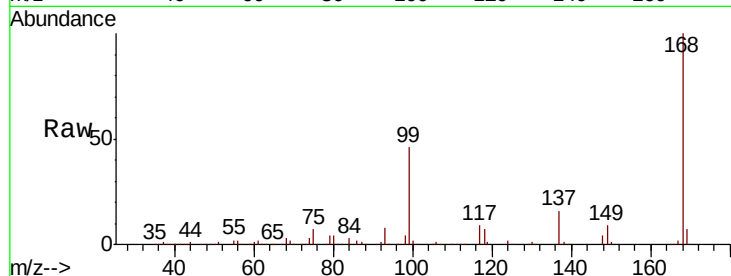
SP19-MMW0002

Tot Ion:168 Resp: 239762

Ion Ratio Lower Upper

168 100

99 45.7 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

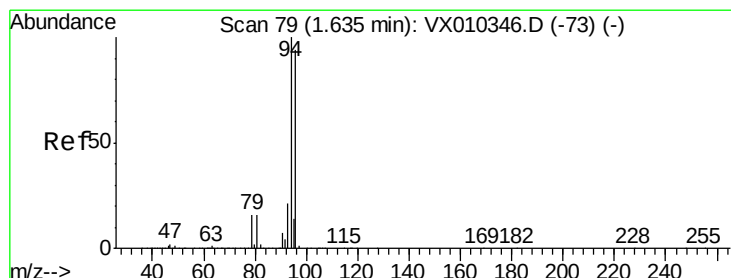
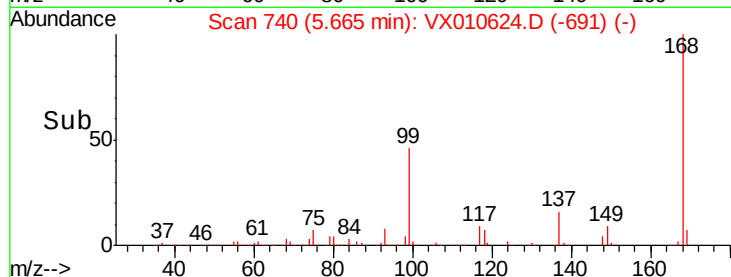
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.436 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010624.D

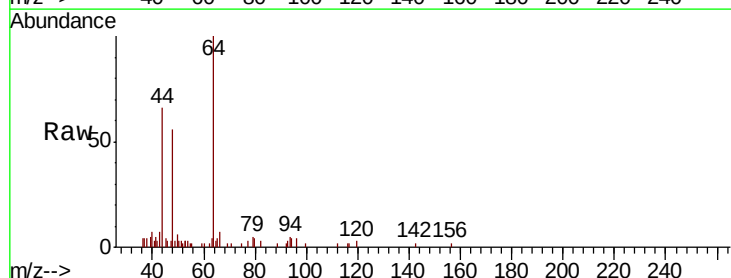
Acq: 02 Jul 2019 17:57

Tgt Ion: 94 Resp: 452

Ion Ratio Lower Upper

94 100

96 50.0 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

250

200

150

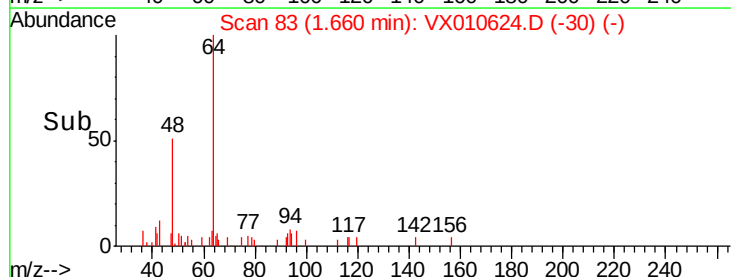
100

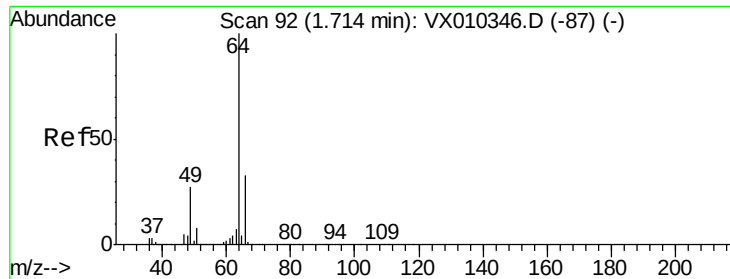
50

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 7.096 ug/l

RT: 1.53 min Scan# 61

Delta R.T. -0.19 min

Lab File: VX010624.D

Acq: 02 Jul 2019 17:57

Instrument :

MSVOA_X

ClientSampleId :

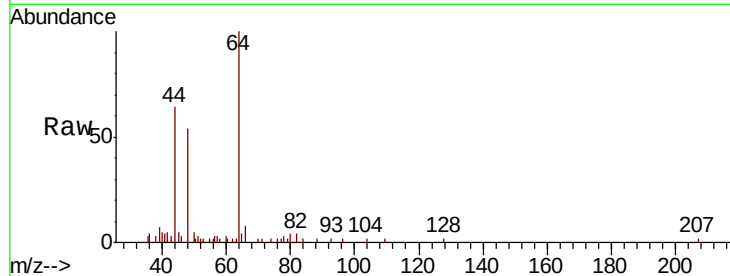
SP19-MMW0002

Tot Ion: 64 Resp: 8901

Ion Ratio Lower Upper

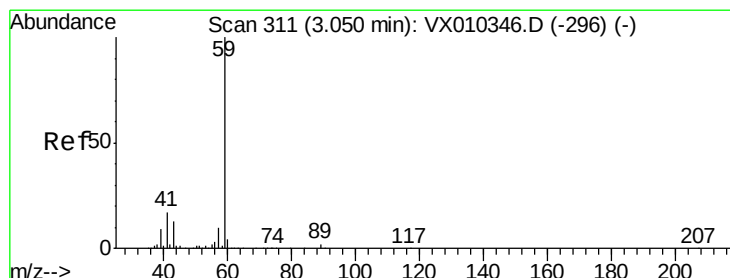
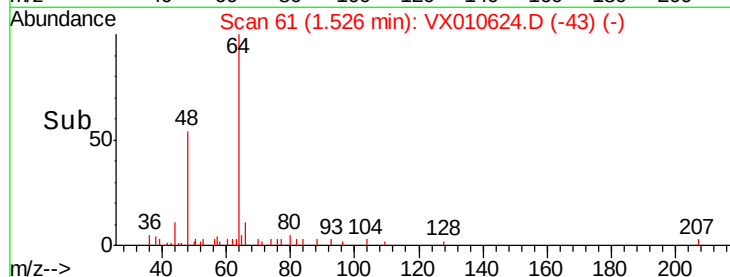
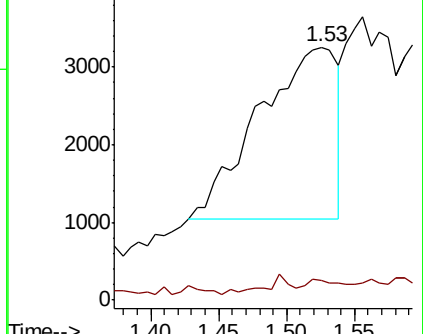
64 100

66 3.2 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: 1.396 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.02 min

Lab File: VX010624.D

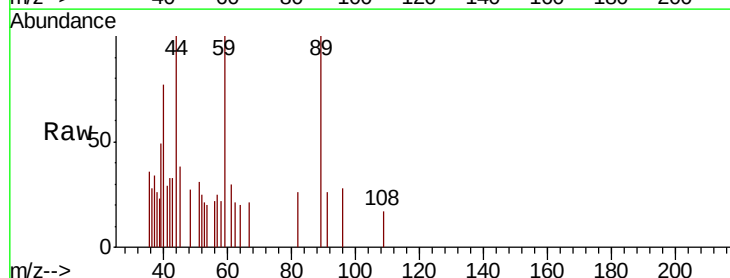
Acq: 02 Jul 2019 17:57

Tgt Ion: 59 Resp: 821

Ion Ratio Lower Upper

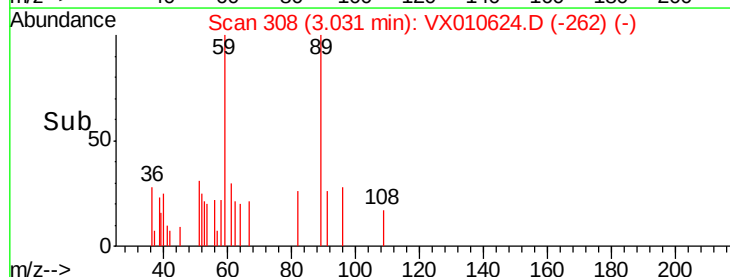
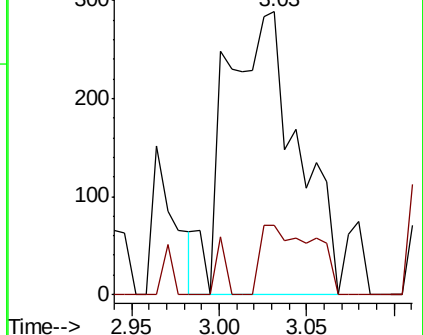
59 100

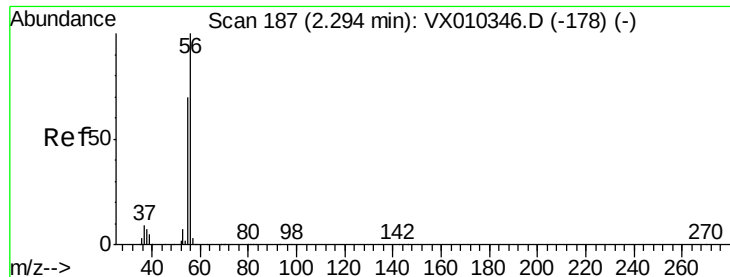
57 18.6 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.541 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX010624.D

Acq: 02 Jul 2019 17:57

Instrument :

MSVOA_X

ClientSampleId :

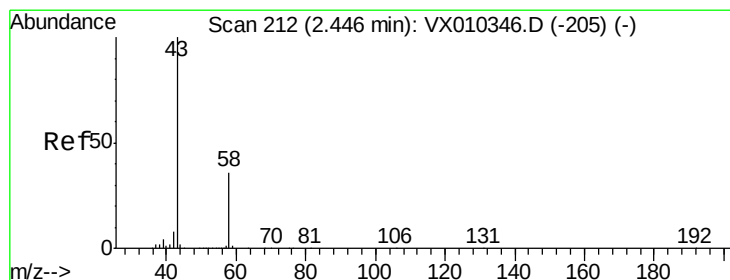
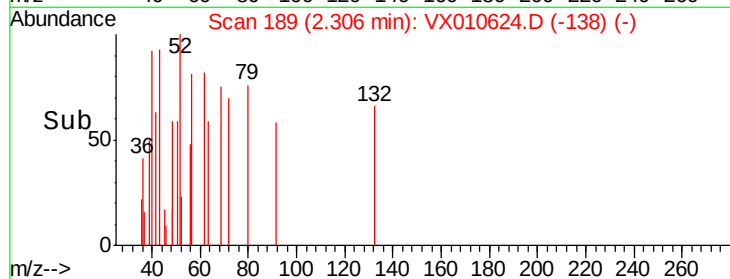
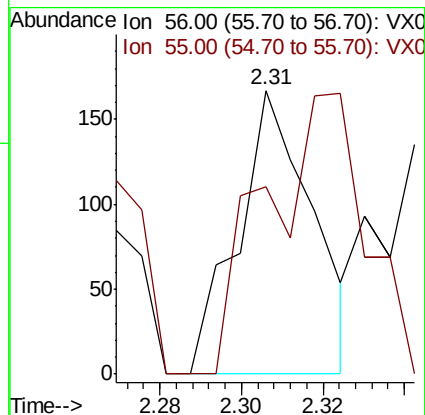
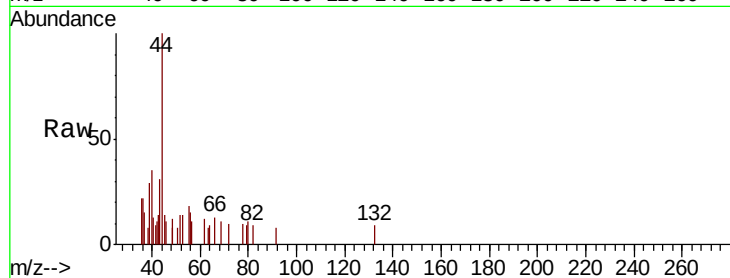
SP19-MMW0002

Tot Ion: 56 Resp: 211

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#16

Acetone

Concen: 2.126 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010624.D

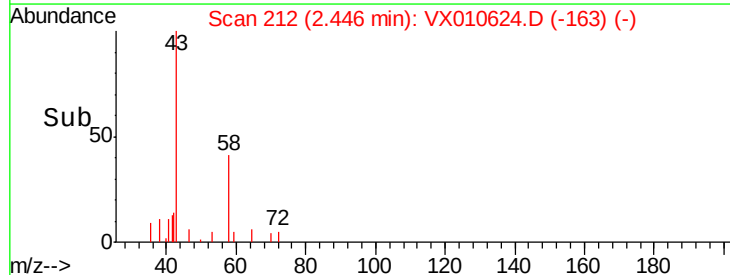
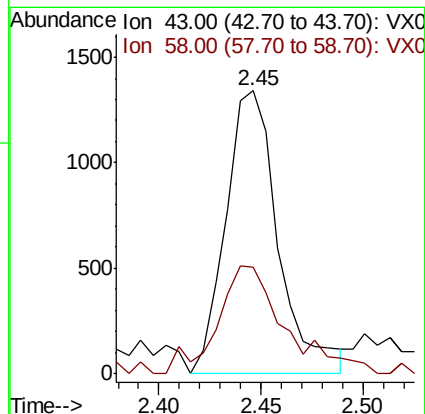
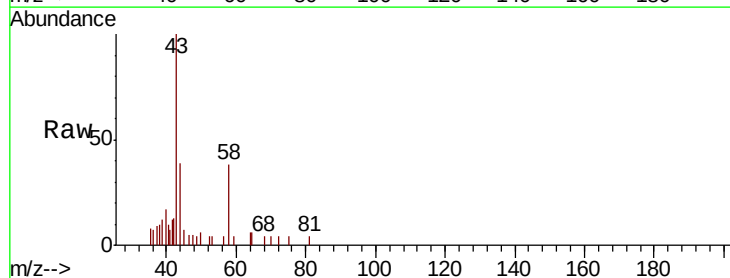
Acq: 02 Jul 2019 17:57

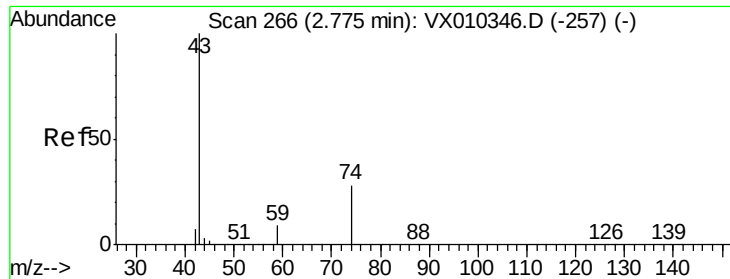
Tgt Ion: 43 Resp: 2395

Ion Ratio Lower Upper

43 100

58 33.2 28.9 43.3

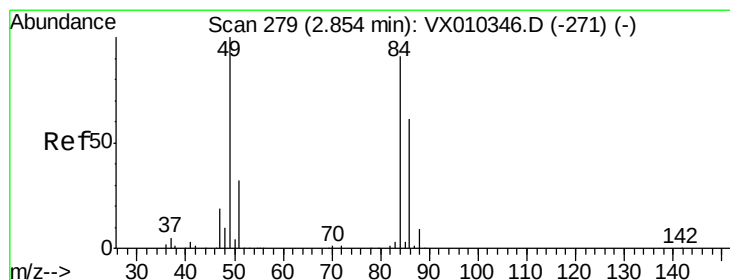
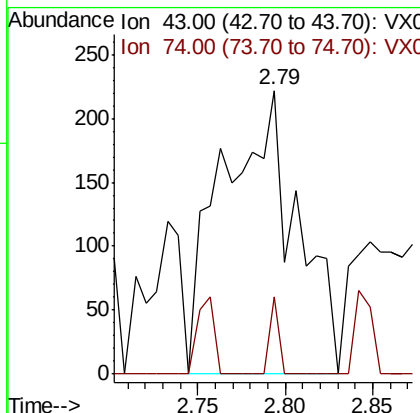
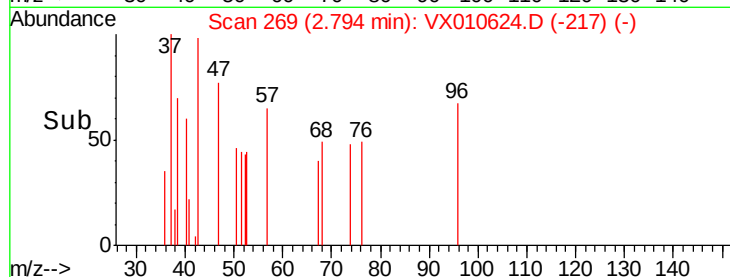
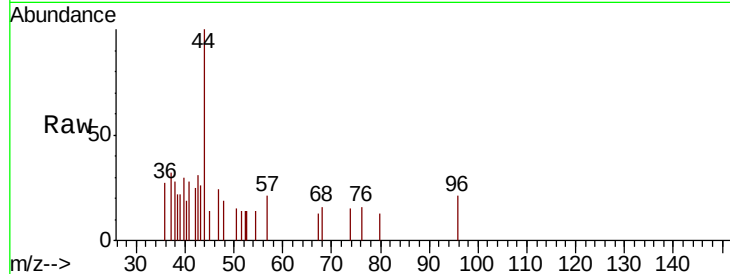




#18
Methyl Acetate
Concen: 0.294 ug/l
RT: 2.79 min Scan# 269
Delta R.T. 0.02 min
Lab File: VX010624.D
Acq: 02 Jul 2019 17:57

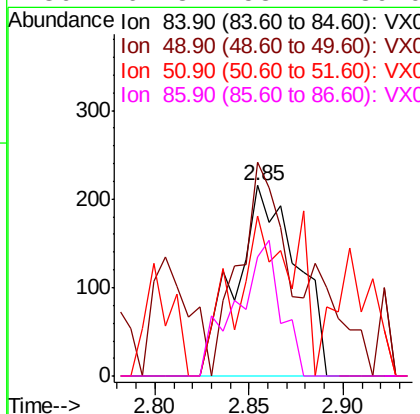
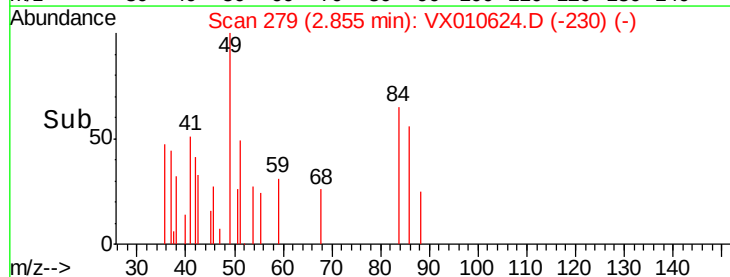
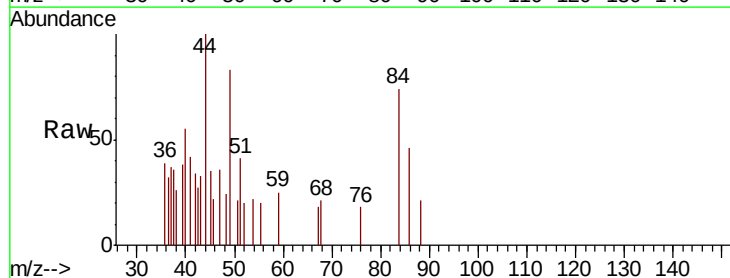
Instrument :
MSVOA_X
ClientSampleId :
SP19-MMW0002

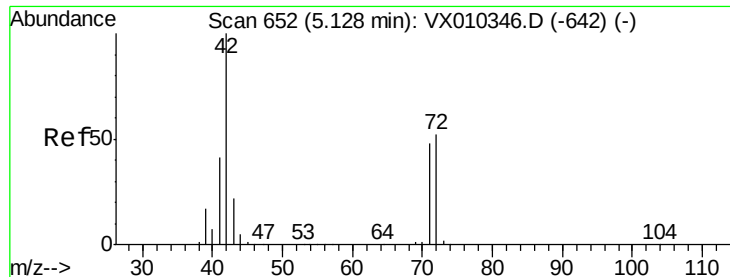
Tot Ion: 43 Resp: 661
Ion Ratio Lower Upper
43 100
74 3.3 21.3 31.9#



#20
Methylene Chloride
Concen: 0.209 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010624.D
Acq: 02 Jul 2019 17:57

Tgt Ion: 84 Resp: 485
Ion Ratio Lower Upper
84 100
49 81.9 87.5 131.3#
51 84.2 27.7 41.5#
86 62.8 53.4 80.0





#29

Tetrahydrofuran

Concen: 0.344 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX010624.D

Acq: 02 Jul 2019 17:57

Instrument :

MSVOA_X

ClientSampleId :

SP19-MMW0002

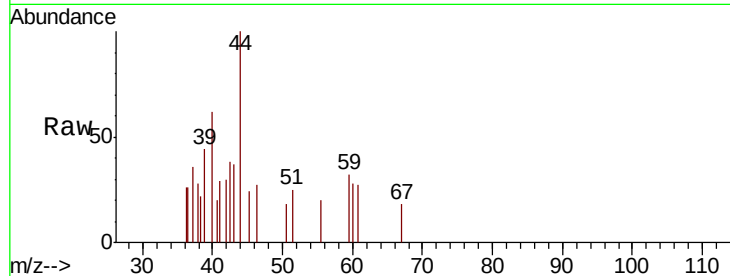
Tot Ion: 42 Resp: 352

Ion Ratio Lower Upper

42 100

72 0.0 40.6 60.8#

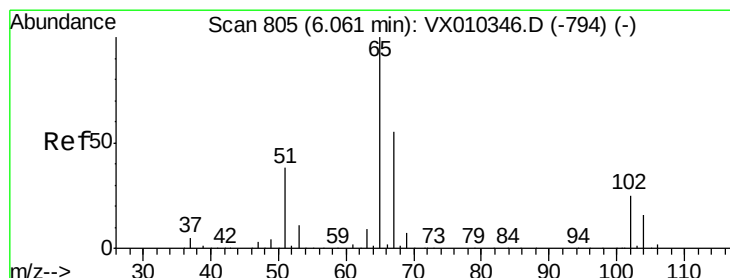
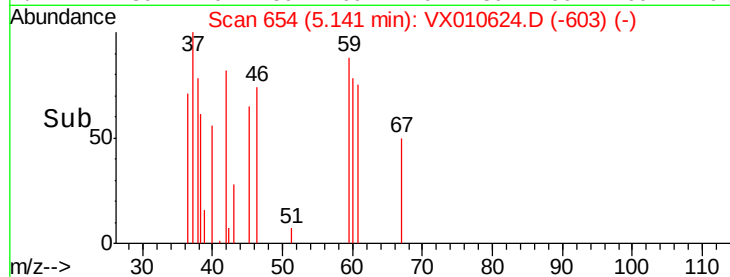
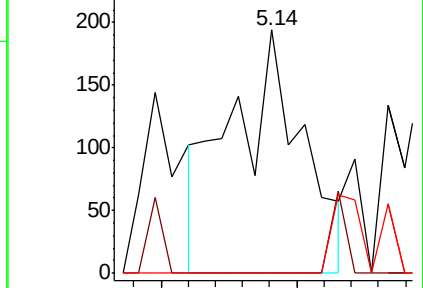
71 0.0 37.8 56.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.117 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010624.D

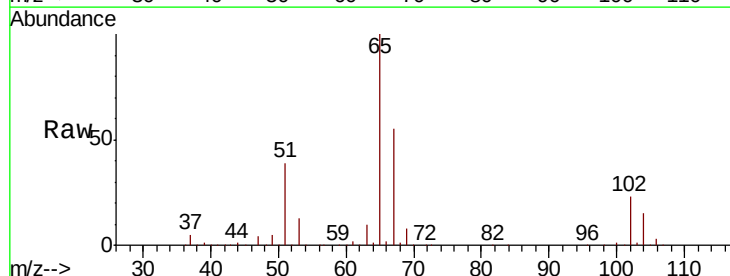
Acq: 02 Jul 2019 17:57

Tgt Ion: 65 Resp: 117159

Ion Ratio Lower Upper

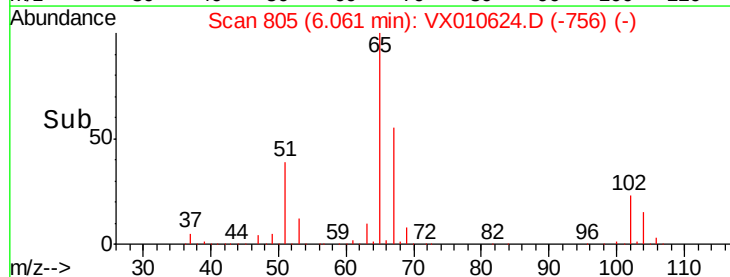
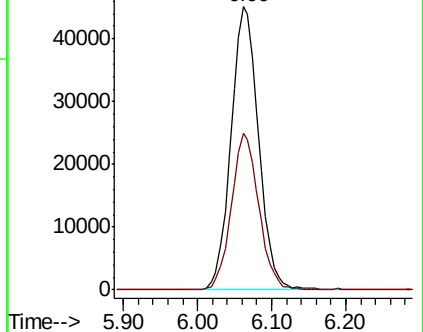
65 100

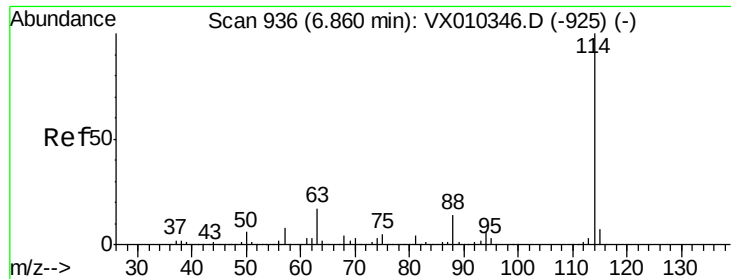
67 54.8 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

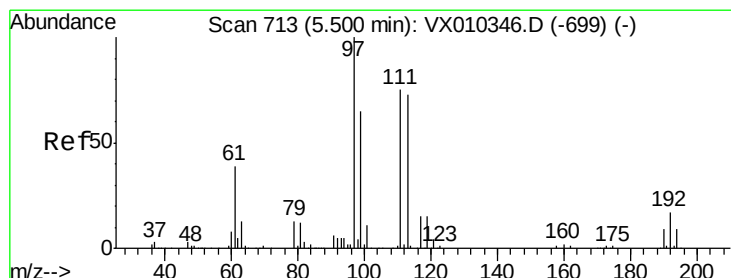
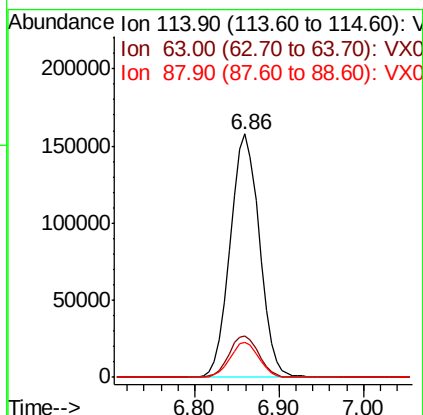
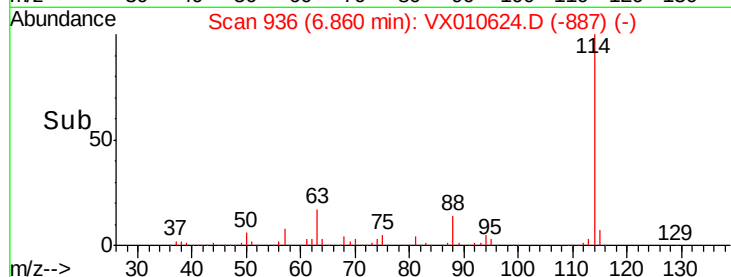
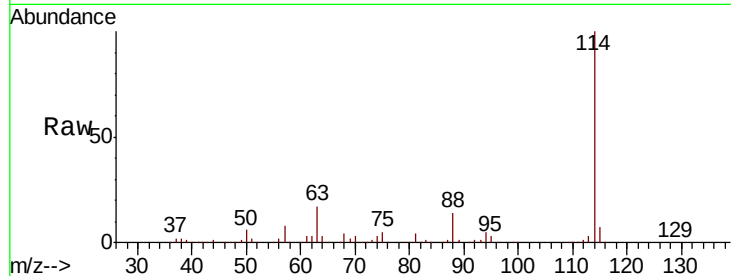




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010624.D
Acq: 02 Jul 2019 17:57

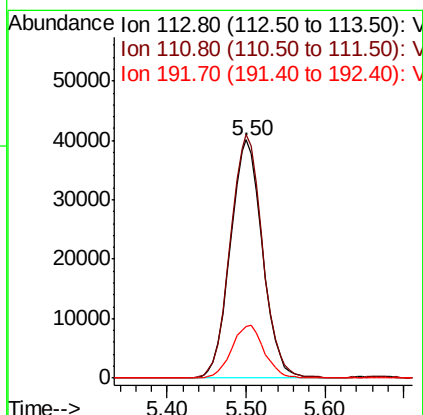
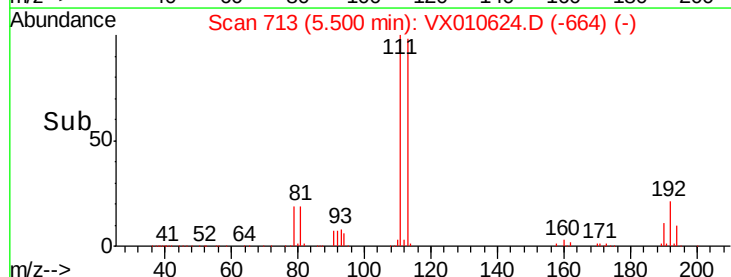
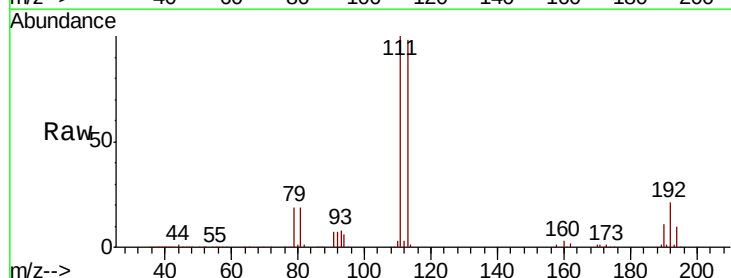
Instrument :
MSVOA_X
ClientSampleId :
SP19-MMW0002

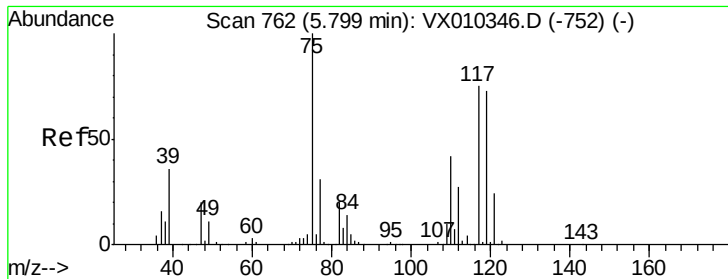
Tot Ion:114 Resp: 371380
Ion Ratio Lower Upper
114 100
63 17.1 0.0 33.8
88 14.4 0.0 27.6



#35
Dibromofluoromethane
Concen: 49.901 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010624.D
Acq: 02 Jul 2019 17:57

Tgt Ion:113 Resp: 113388
Ion Ratio Lower Upper
113 100
111 102.7 81.2 121.8
192 22.2 18.6 27.8

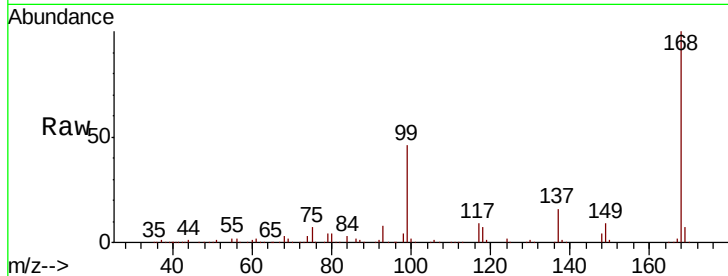




#36
 1,1-Dichloropropene
 Concen: 5.171 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010624.D
 Acq: 02 Jul 2019 17:57

Instrument :
 MSVOA_X
 ClientSampleId :
 SP19-MMW0002

Tot Ion	Ratio	Lower	Upper
75	100		
110	10.4	20.8	62.2#
77	0.0	25.4	38.0#

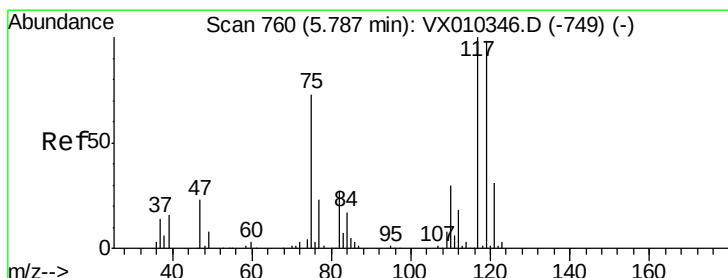
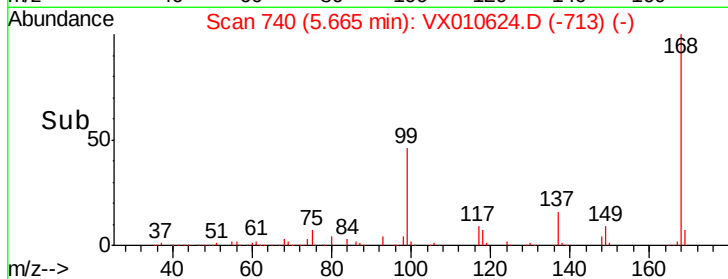
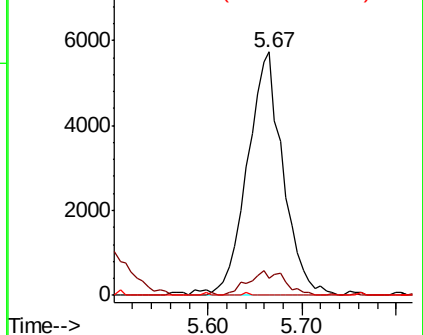


Abundance

Ion 74.90 (74.60 to 75.60): VX0

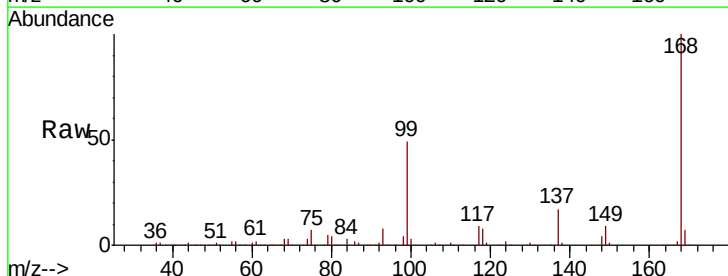
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38
 Carbon Tetrachloride
 Concen: 6.776 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010624.D
 Acq: 02 Jul 2019 17:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	78.2	117.4#
121	0.0	24.7	37.1#

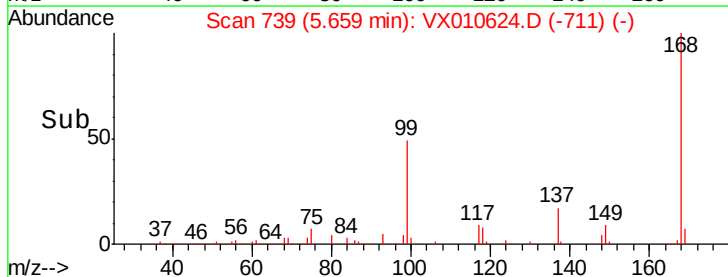
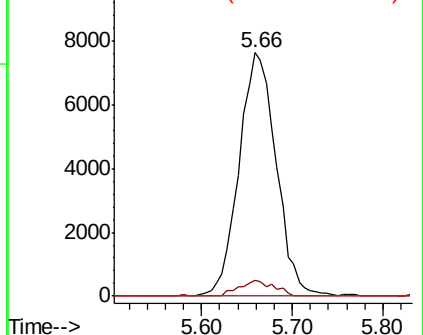


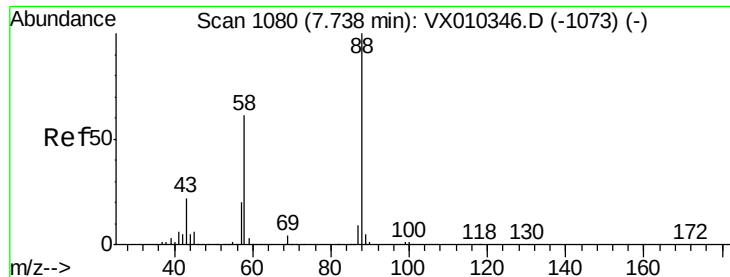
Abundance

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

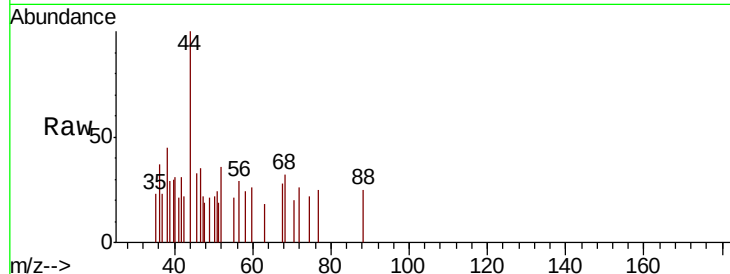




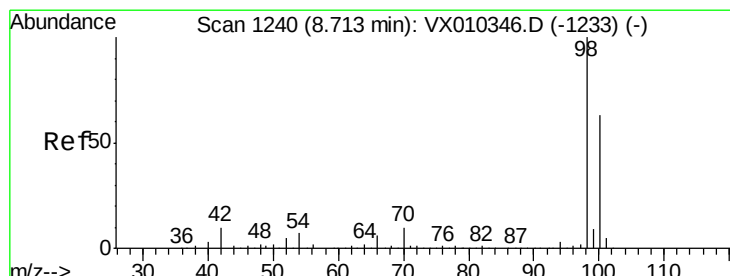
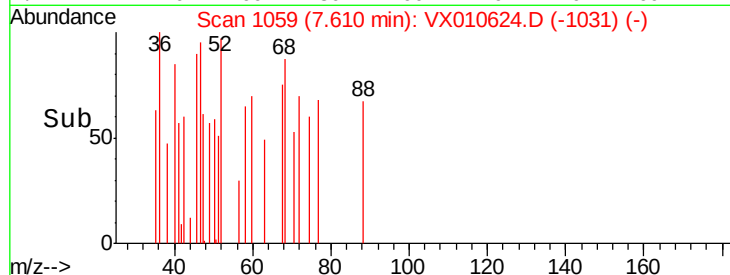
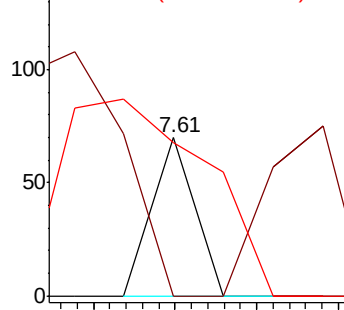
#49
1,4-Dioxane
Concen: 0.387 ug/l
RT: 7.61 min Scan# 1059
Delta R.T. -0.13 min
Lab File: VX010624.D
Acq: 02 Jul 2019 17:57

Instrument :
MSVOA_X
ClientSampled :
SP19-MMW0002

Tot Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 411.5 49.5 74.3#

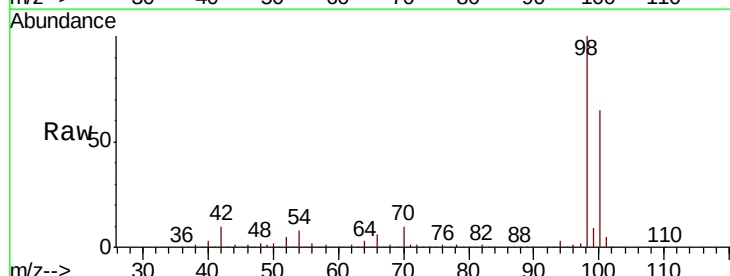


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

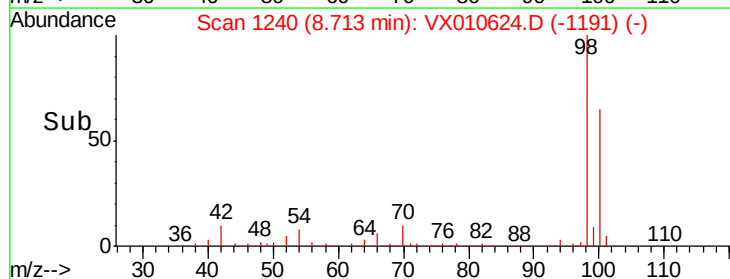
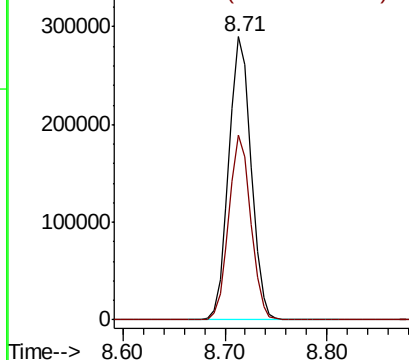


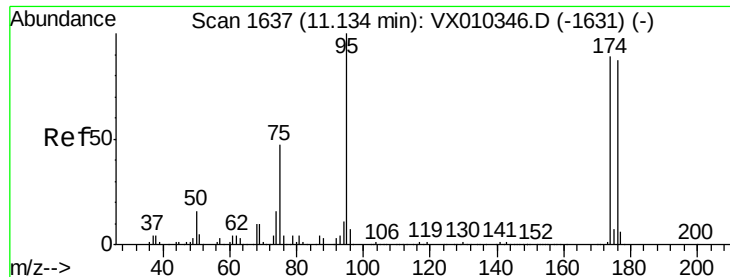
#50
Toluene-d8
Concen: 50.459 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010624.D
Acq: 02 Jul 2019 17:57

Tgt Ion: 98 Resp: 438643
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 47.085 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010624.D

Acq: 02 Jul 2019 17:57

Instrument :

MSVOA_X

ClientSampleId :

SP19-MMW0002

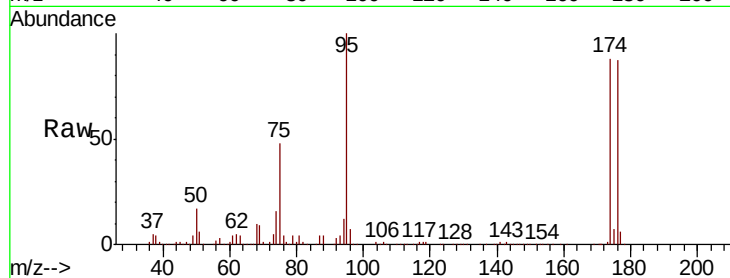
Tot Ion: 95 Resp: 147775

Ion Ratio Lower Upper

95 100

174 92.7 0.0 187.6

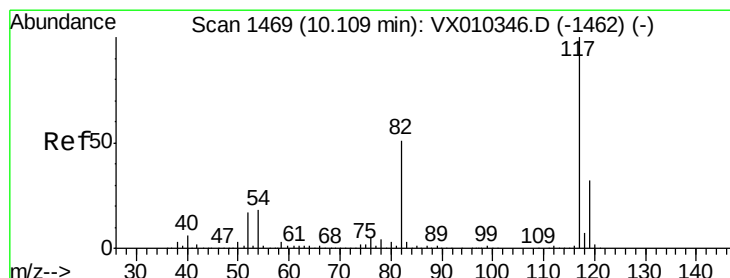
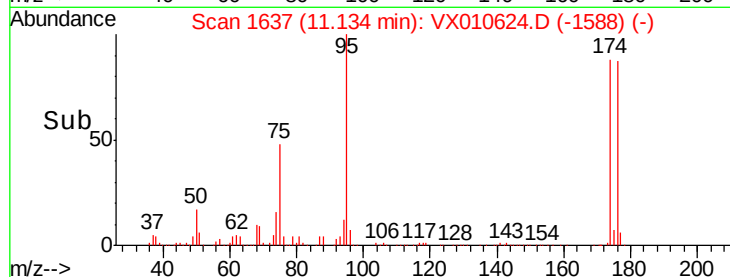
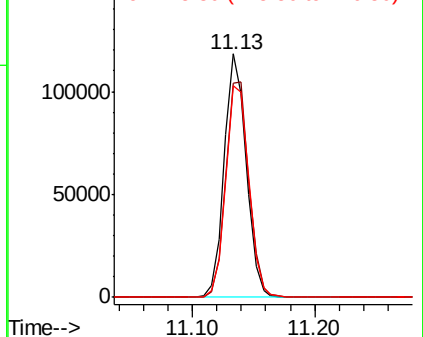
176 90.8 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010624.D

Acq: 02 Jul 2019 17:57

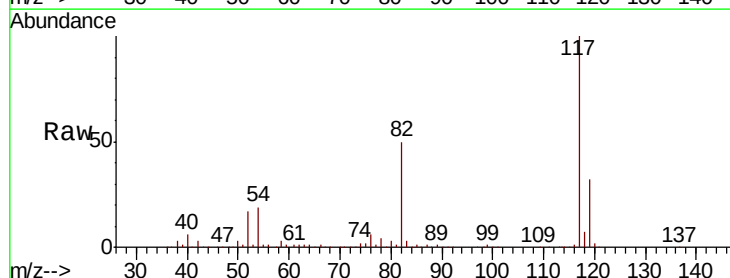
Tgt Ion: 117 Resp: 338214

Ion Ratio Lower Upper

117 100

82 50.3 41.2 61.8

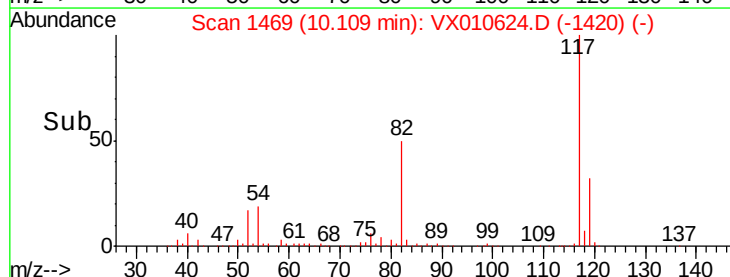
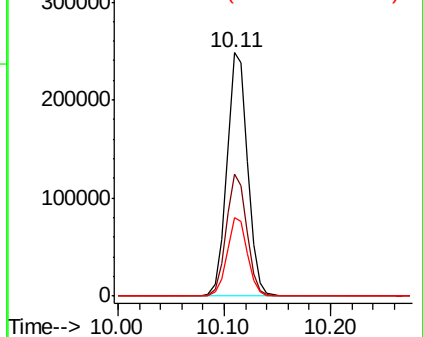
119 32.1 25.5 38.3

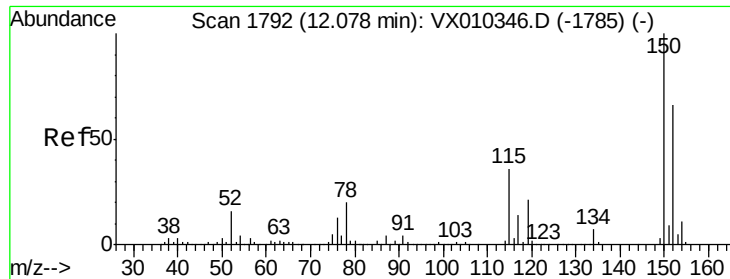


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX010624.D

Acq: 02 Jul 2019 17:57

Instrument :

MSVOA_X

ClientSampleId :

SP19-MMW0002

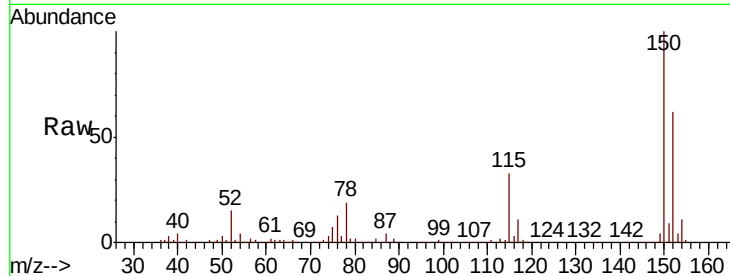
Tot Ion:152 Resp: 151745

Ion Ratio Lower Upper

152 100

115 55.8 38.6 115.7

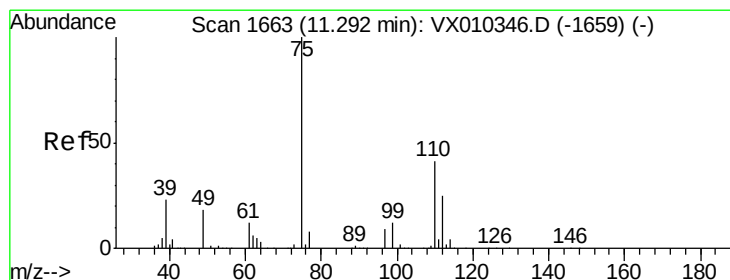
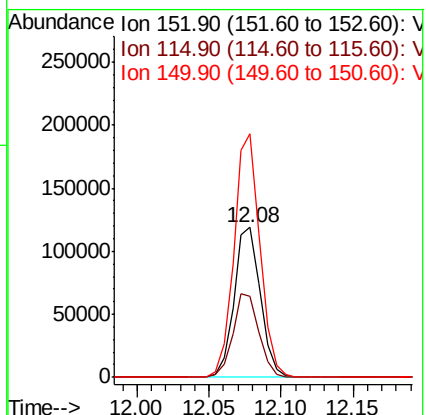
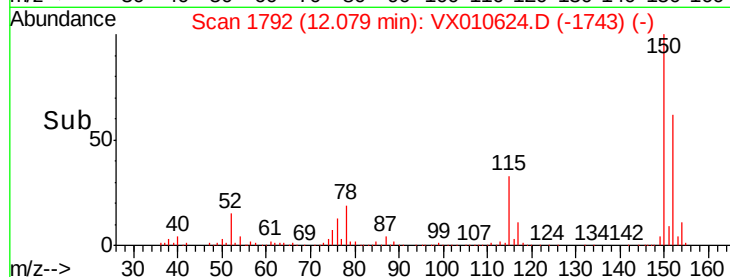
150 159.9 0.0 347.4



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: 25.772 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010624.D

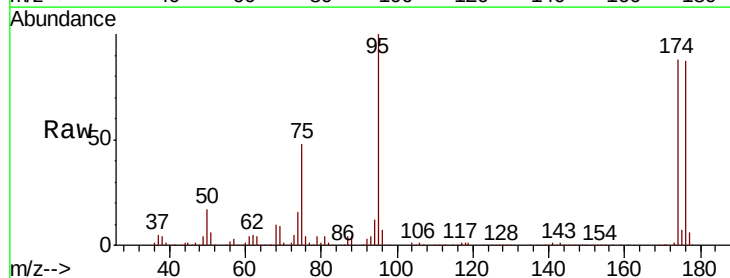
Acq: 02 Jul 2019 17:57

Tgt Ion: 75 Resp: 71264

Ion Ratio Lower Upper

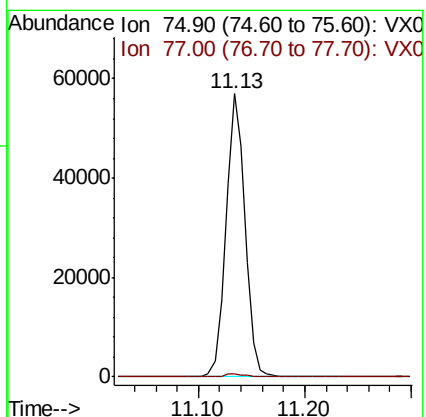
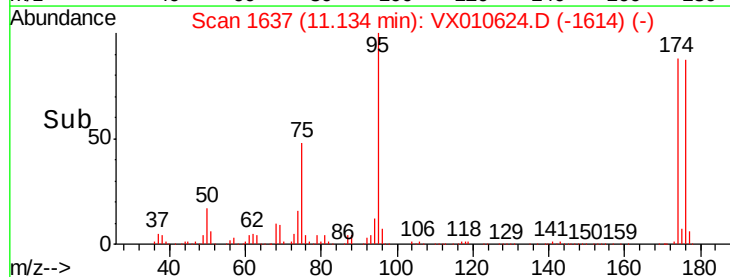
75 100

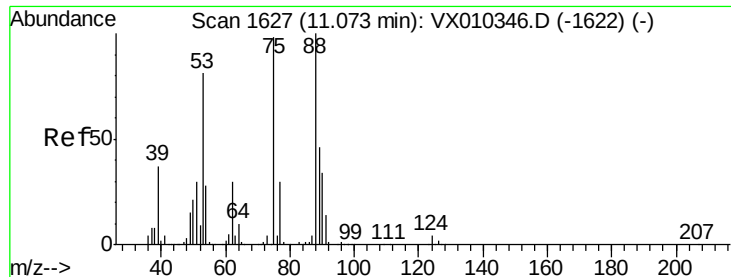
77 1.3 22.6 67.8#



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: 60.123 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010624.D
 Acq: 02 Jul 2019 17:57

Instrument :
 MSVOA_X
 ClientSampleId :
 SP19-MMW0002

Tot Ion: 75 Resp: 71264
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.1 99.1#
 89 0.0 37.8 56.6#

