

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010478.D
 Acq On : 27 Jun 2019 10:52
 Operator : JC/SP
 Sample : VX0627WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 28 06:44:57 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	264331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	406375	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	366535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	167896	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	125912	50.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.60%	
35) Dibromofluoromethane	5.50	113	125642	50.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.06%	
50) Toluene-d8	8.71	98	480670	50.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.06%	
62) 4-Bromofluorobenzene	11.13	95	156496	45.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.14%	

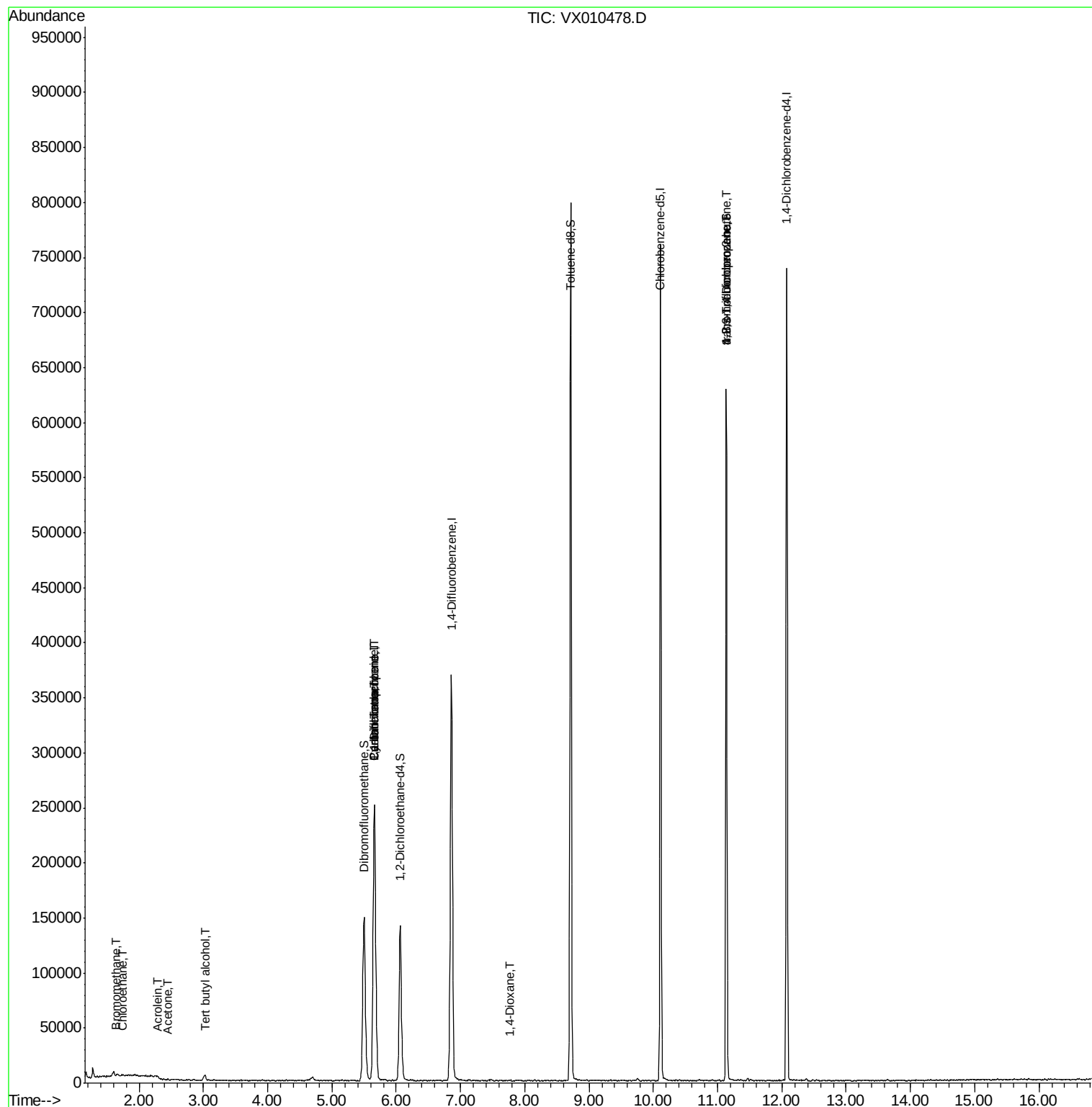
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	635	0.556	ug/l #	44
6) Chloroethane	1.75	64	308	0.223	ug/l #	73
11) Tert butyl alcohol	3.03	59	2858	4.407	ug/l #	83
13) Acrolein	2.29	56	462	1.074	ug/l	90
16) Acetone	2.44	43	850	0.684	ug/l #	87
31) Cyclohexane	5.67	56	4769	1.332	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16380	5.072	ug/l #	47
38) Carbon Tetrachloride	5.67	117	23497	6.719	ug/l #	14
49) 1,4-Dioxane	7.76	88	52	0.707	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	74917	24.487	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	74917	57.125	ug/l #	16

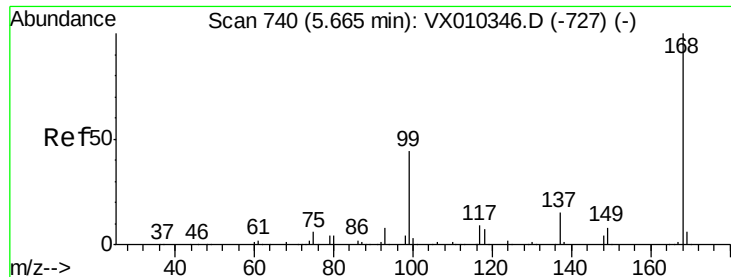
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
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QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010478.D

Acq: 27 Jun 2019 10:52

Instrument :

MSVOA_X

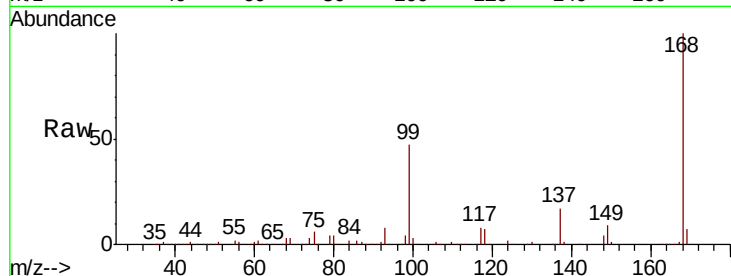
ClientSampled :

Tot Ion:168 Resp: 264331

Ion Ratio Lower Upper

168 100

99 47.2 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

100000

80000

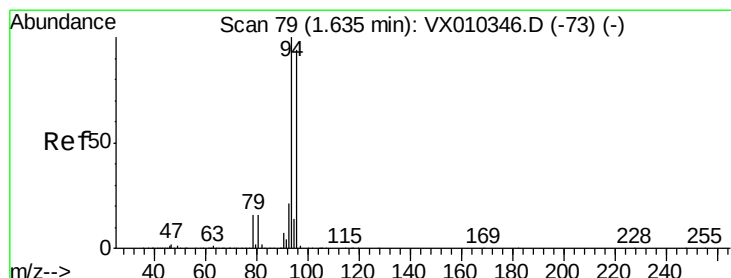
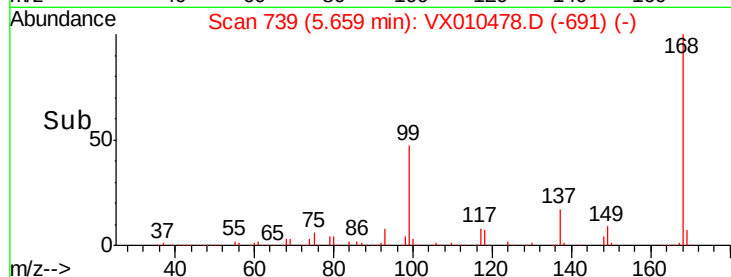
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.556 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010478.D

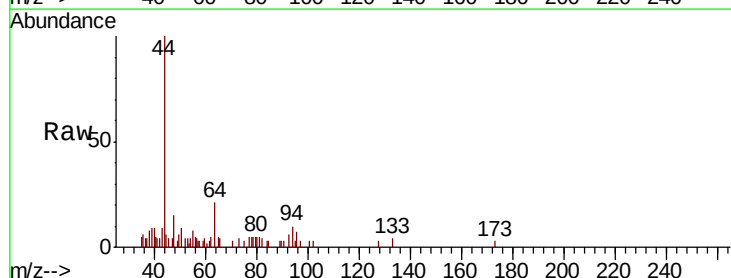
Acq: 27 Jun 2019 10:52

Tgt Ion: 94 Resp: 635

Ion Ratio Lower Upper

94 100

96 40.0 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

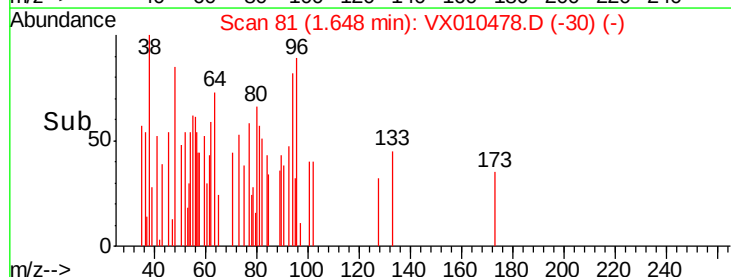
150

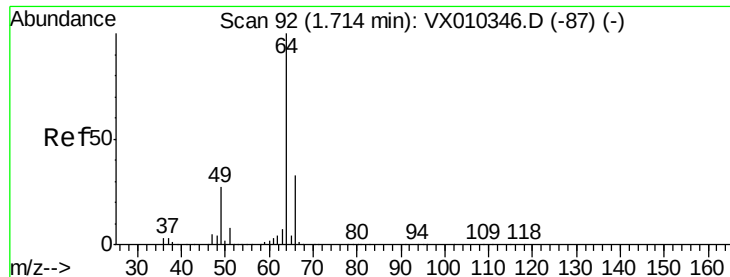
100

50

0

Time-->





#6

Chloroethane

Concen: 0.223 ug/l

RT: 1.75 min Scan# 98

Delta R.T. 0.04 min

Lab File: VX010478.D

Acq: 27 Jun 2019 10:52

Instrument :

MSVOA_X

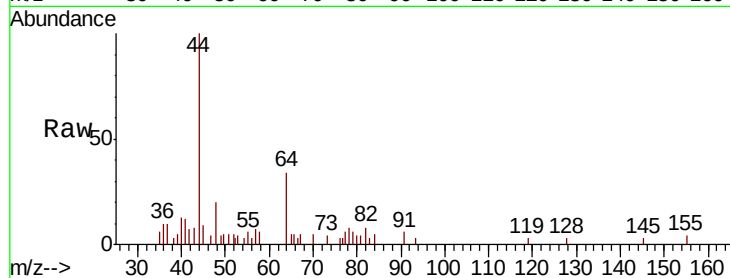
ClientSampleId :

Tot Ion: 64 Resp: 308

Ion Ratio Lower Upper

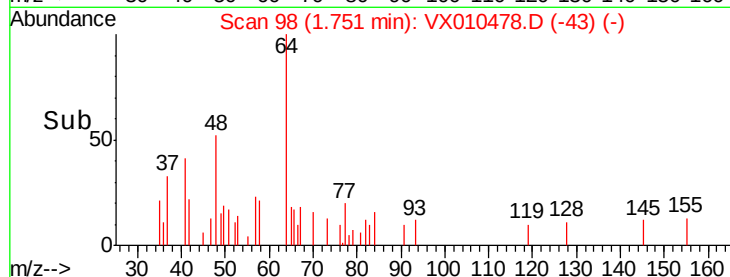
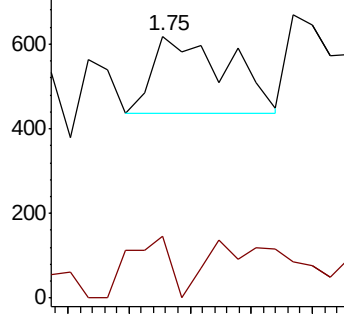
64 100

66 18.2 26.6 40.0#

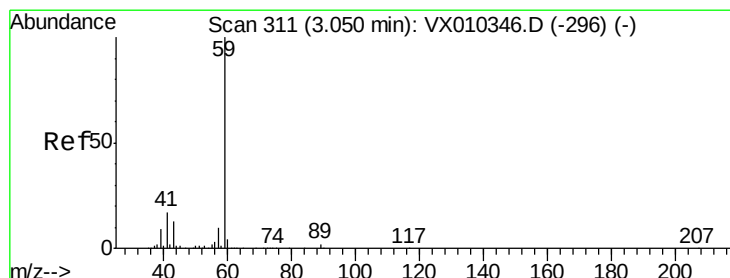


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



#11

Tert butyl alcohol

Concen: 4.407 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX010478.D

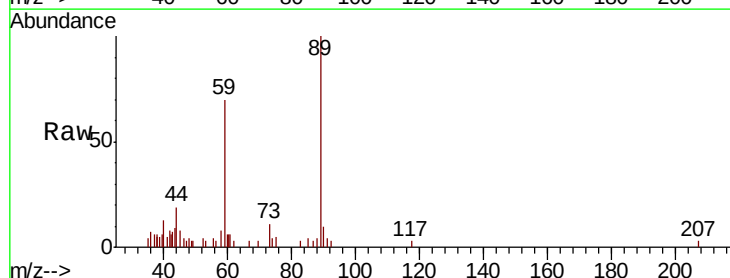
Acq: 27 Jun 2019 10:52

Tgt Ion: 59 Resp: 2858

Ion Ratio Lower Upper

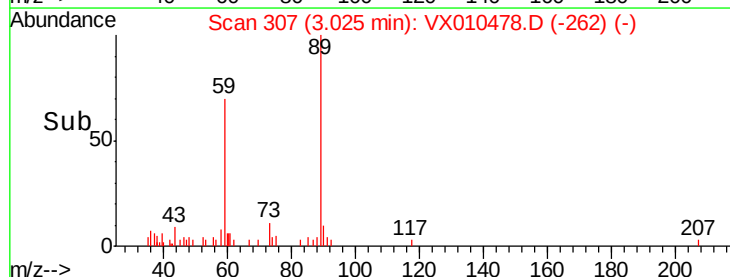
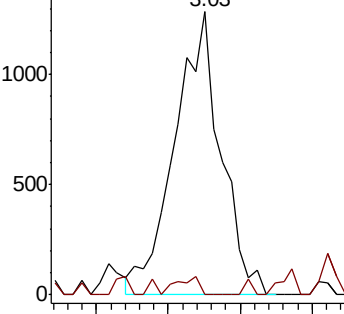
59 100

57 3.2 7.7 11.5#

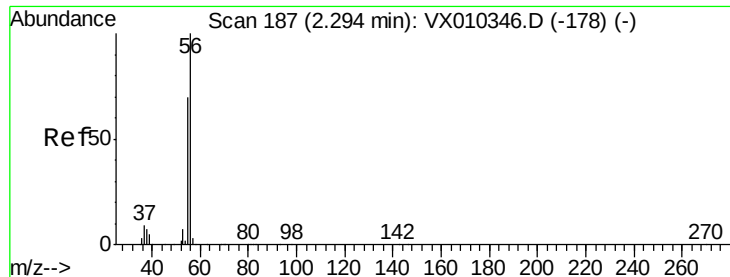


Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



Time-->



#13

Acrolein

Concen: 1.074 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX010478.D

Acq: 27 Jun 2019 10:52

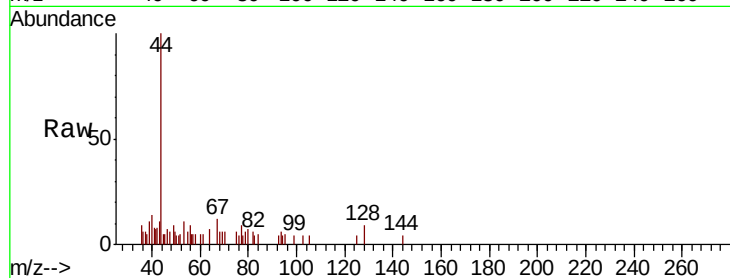
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 462

Ion Ratio Lower Upper

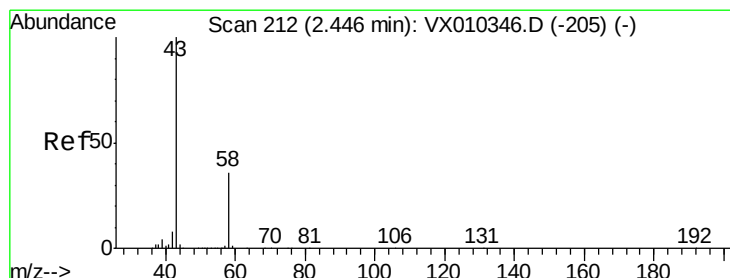
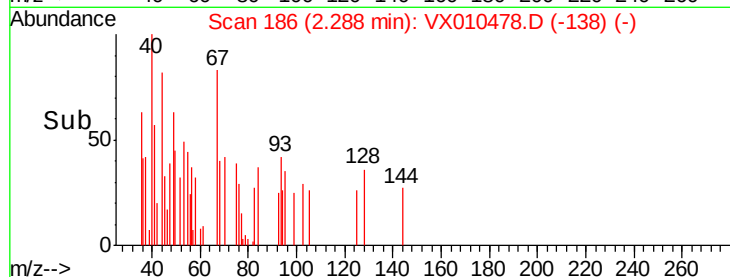
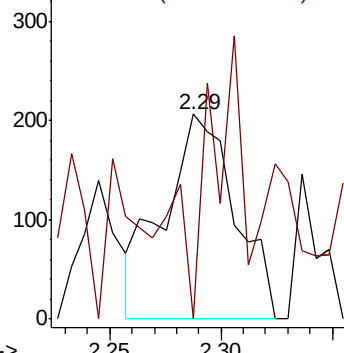
56 100

55 62.6 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.684 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010478.D

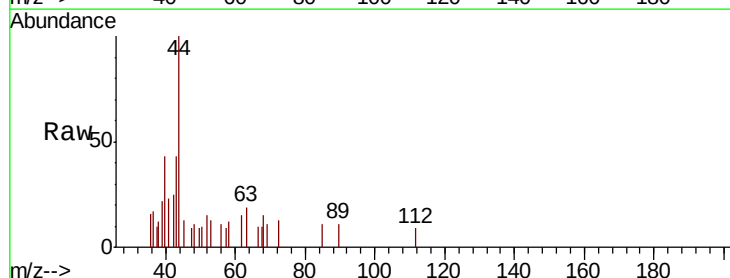
Acq: 27 Jun 2019 10:52

Tgt Ion: 43 Resp: 850

Ion Ratio Lower Upper

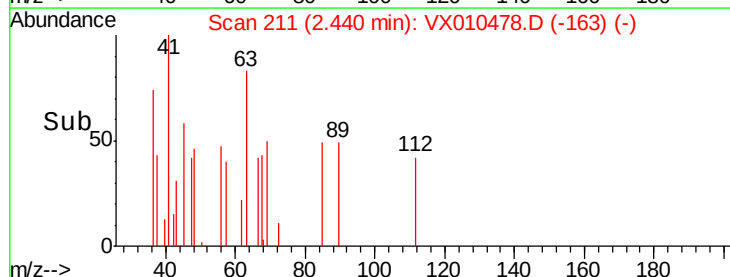
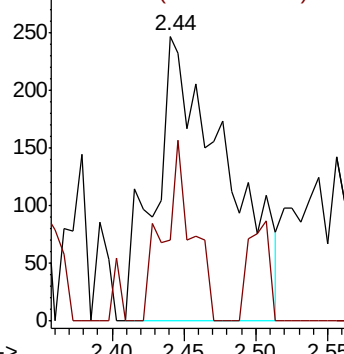
43 100

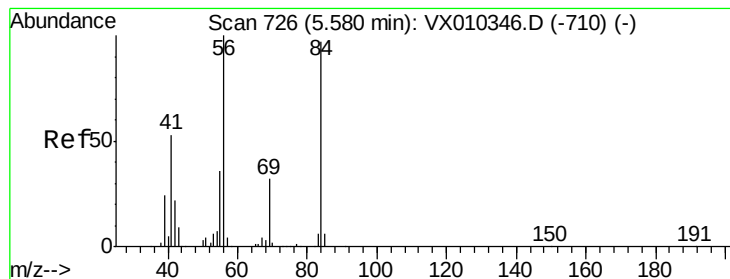
58 28.3 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#31

Cyclohexane

Concen: 1.332 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX010478.D

Acq: 27 Jun 2019 10:52

Instrument :

MSVOA_X

ClientSampled :

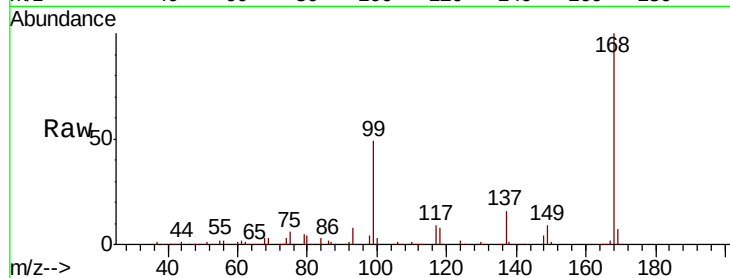
Tot Ion: 56 Resp: 4769

Ion Ratio Lower Upper

56 100

69 162.7 25.9 38.9#

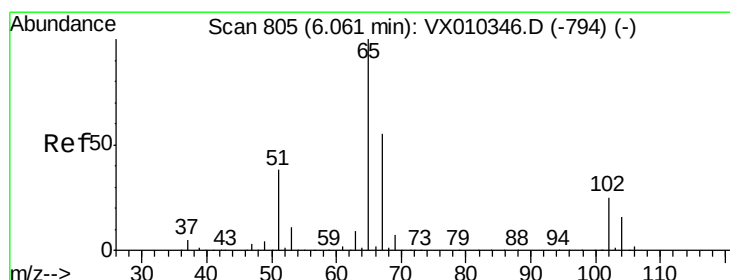
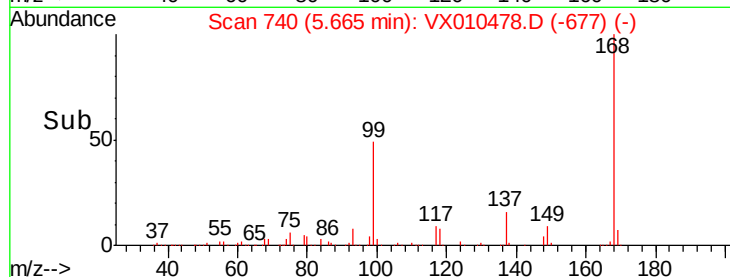
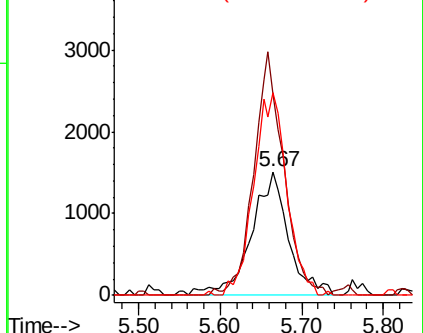
84 163.2 78.0 117.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.804 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010478.D

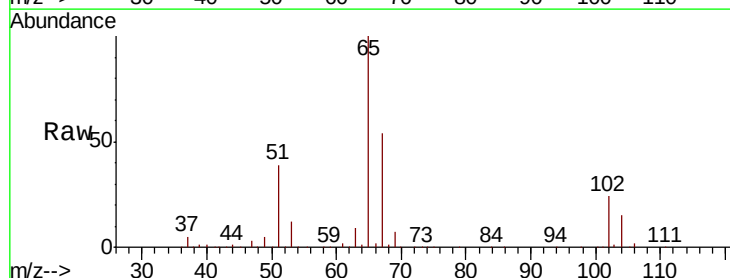
Acq: 27 Jun 2019 10:52

Tgt Ion: 65 Resp: 125912

Ion Ratio Lower Upper

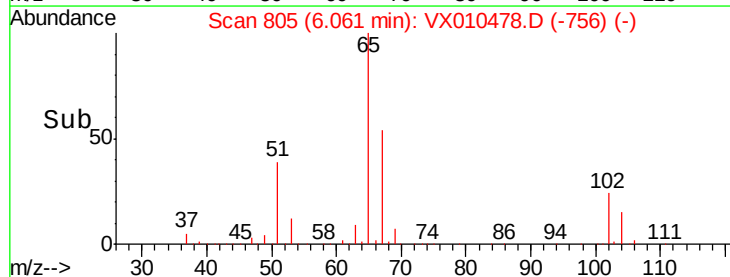
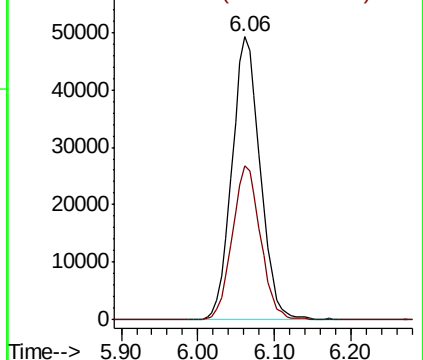
65 100

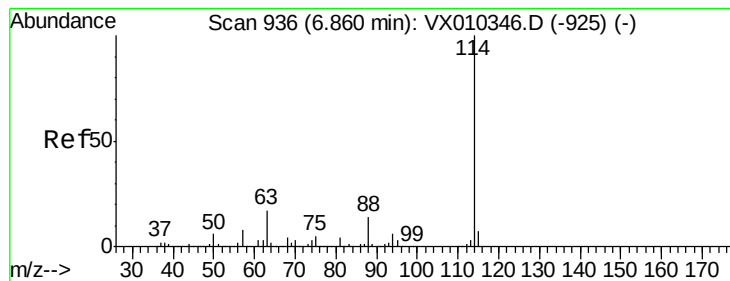
67 54.3 0.0 110.2



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: VX010478.D

Acq: 27 Jun 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

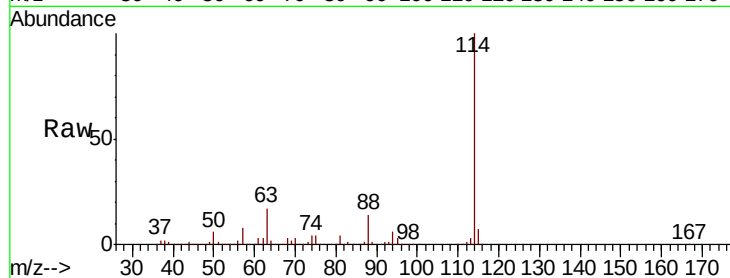
Tot Ion:114 Resp: 406375

Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.8

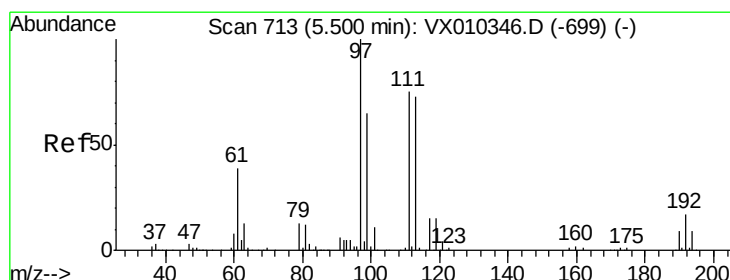
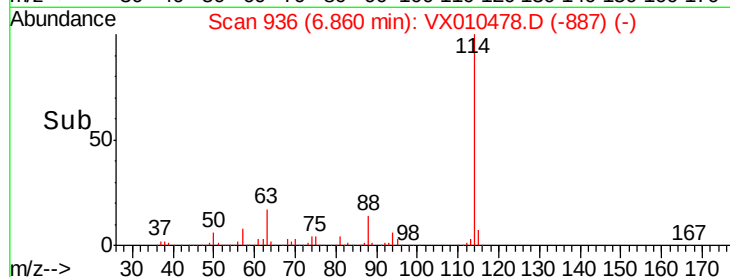
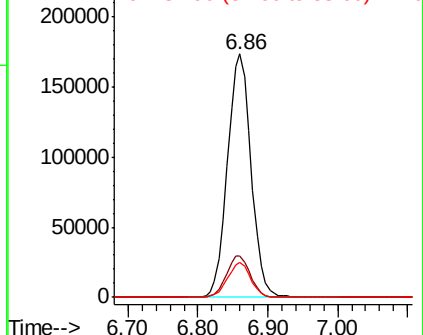
88 14.4 0.0 27.6



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: 50.533 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010478.D

Acq: 27 Jun 2019 10:52

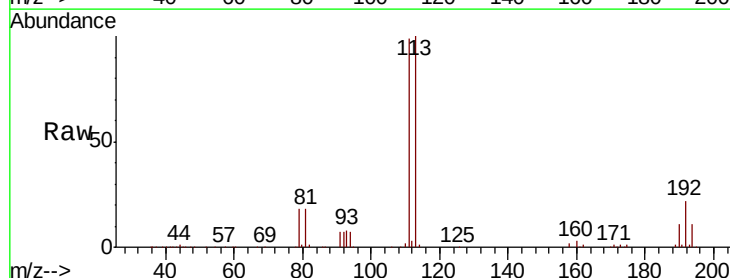
Tgt Ion:113 Resp: 125642

Ion Ratio Lower Upper

113 100

111 100.5 81.2 121.8

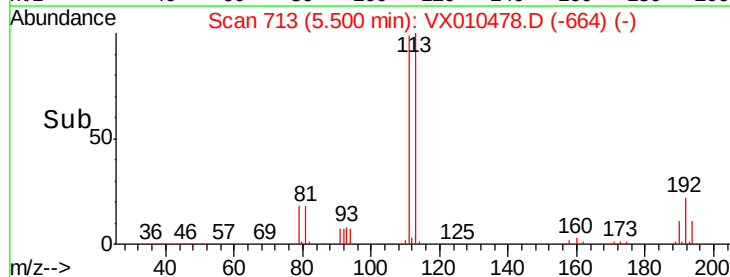
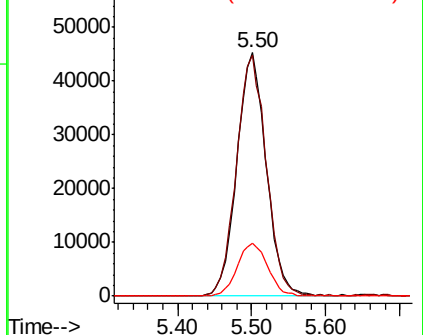
192 22.5 18.6 27.8

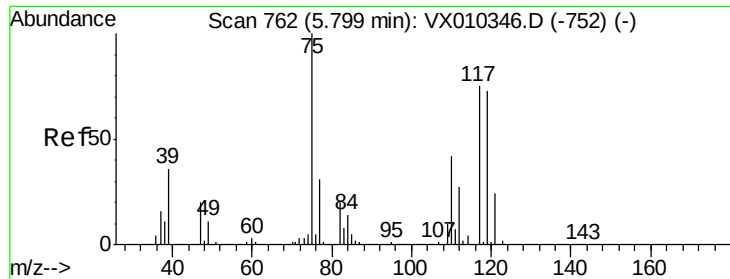


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

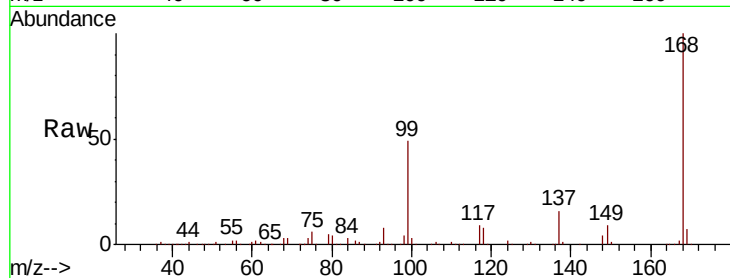




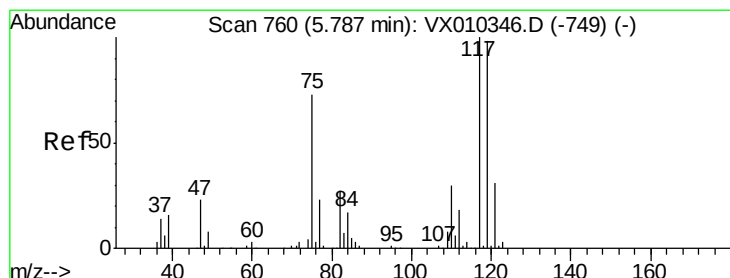
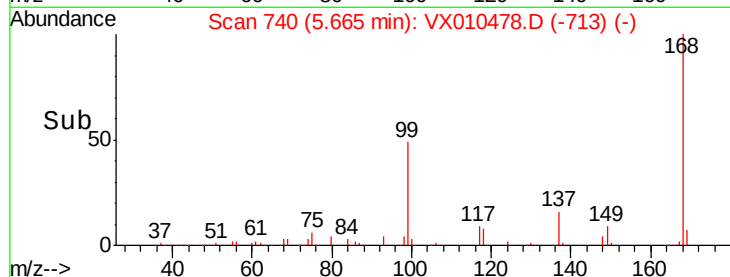
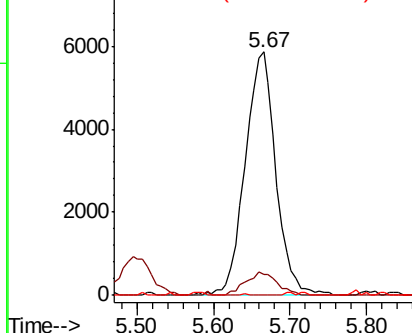
#36
 1,1-Dichloropropene
 Concen: 5.072 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010478.D
 Acq: 27 Jun 2019 10:52

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.7	20.8	62.2#
77	0.0	25.4	38.0#

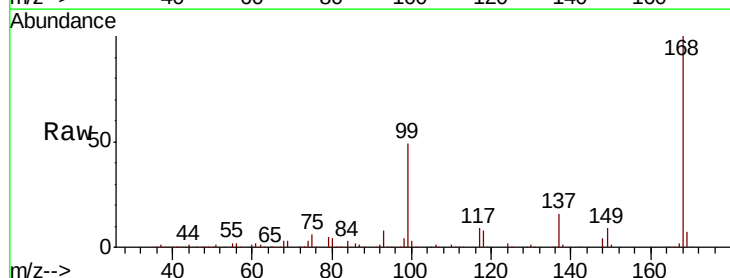


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

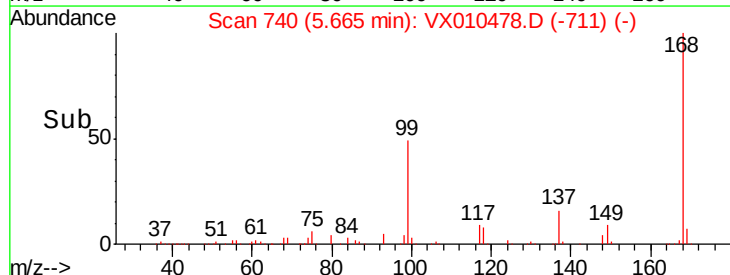
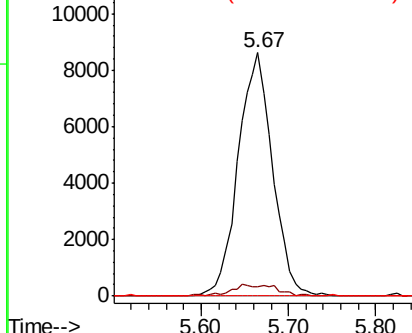


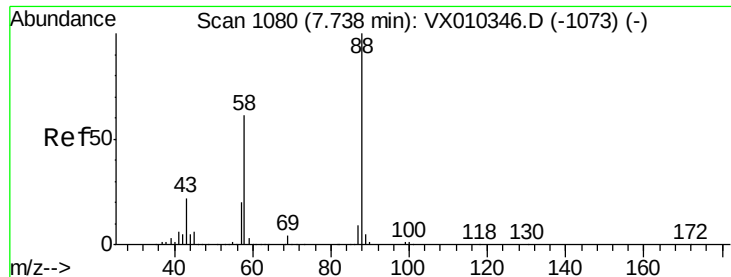
#38
 Carbon Tetrachloride
 Concen: 6.719 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010478.D
 Acq: 27 Jun 2019 10:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	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

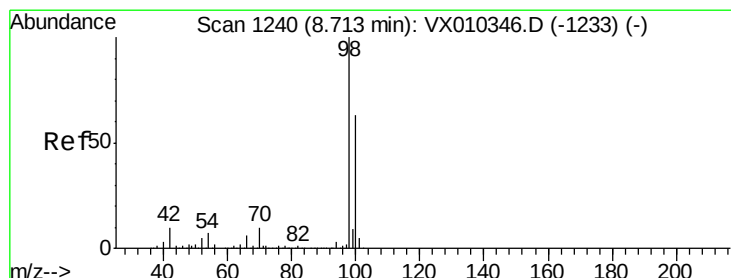
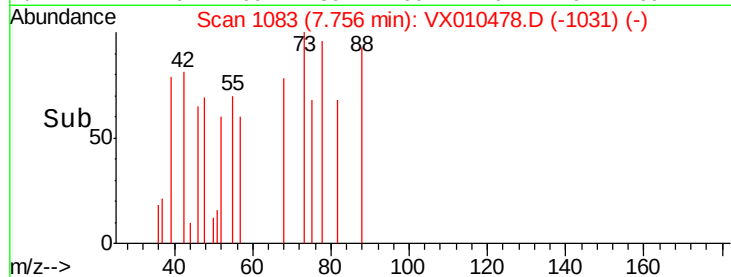
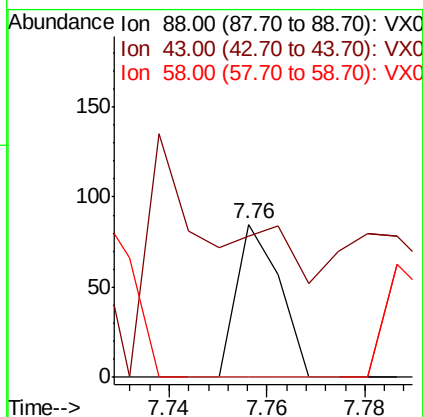
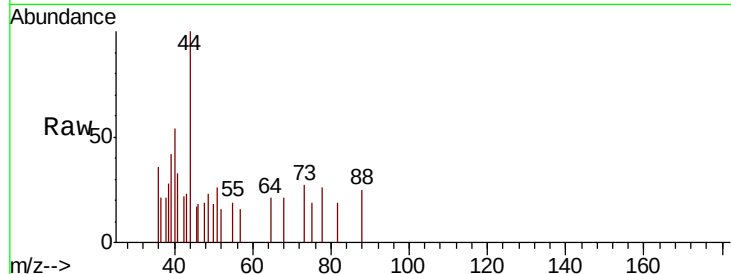




#49
1,4-Dioxane
Concen: 0.707 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.02 min
Lab File: VX010478.D
Acq: 27 Jun 2019 10:52

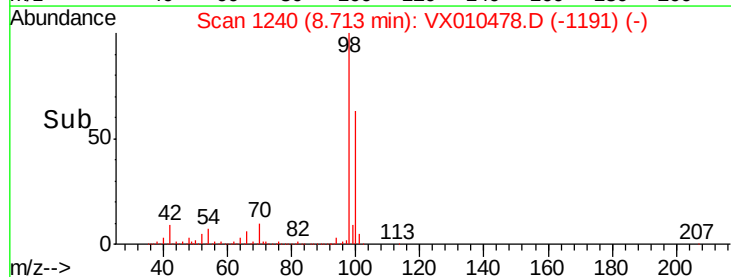
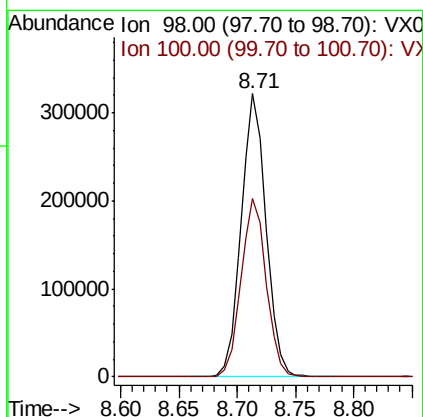
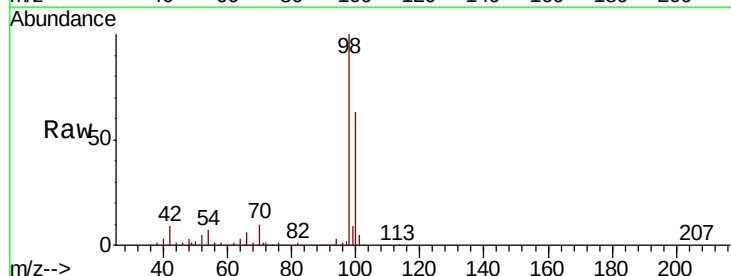
Instrument :
MSVOA_X
ClientSampled :

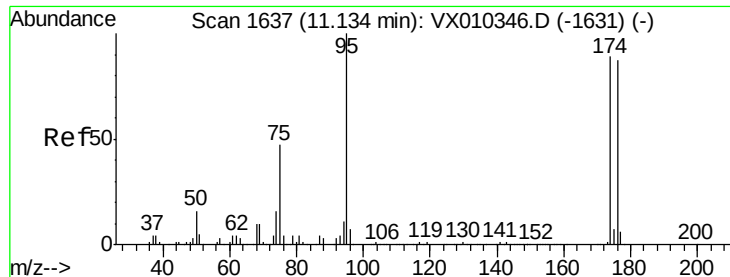
Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	20.2	30.2#
58	0.0	49.5	74.3#



#50
Toluene-d8
Concen: 50.531 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010478.D
Acq: 27 Jun 2019 10:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.6	77.4





#62

4-Bromofluorobenzene

Concen: 45.570 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010478.D

Acq: 27 Jun 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

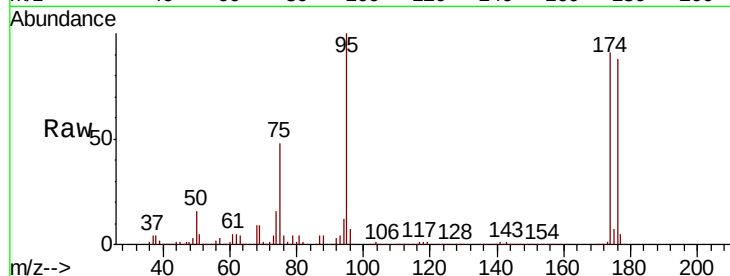
Tot Ion: 95 Resp: 156496

Ion Ratio Lower Upper

95 100

174 97.0 0.0 187.6

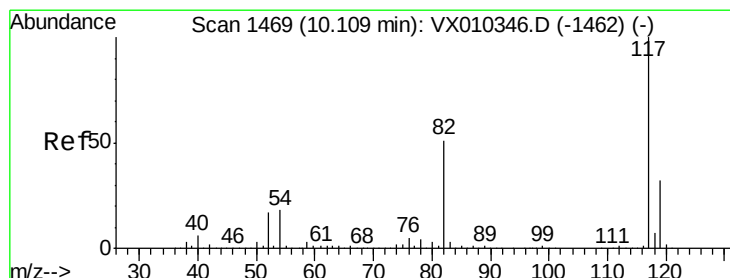
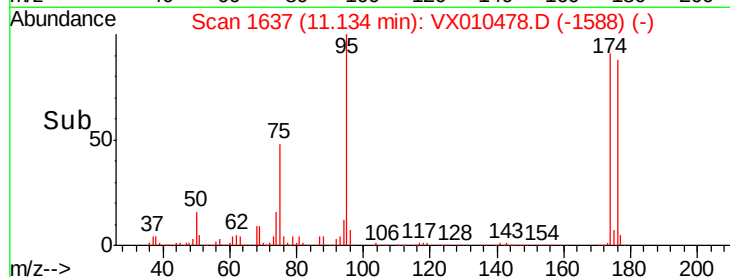
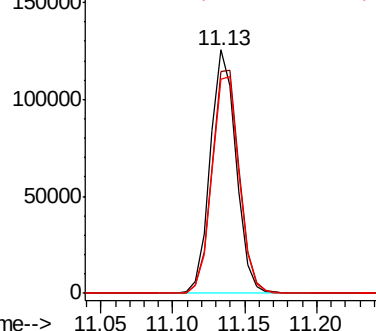
176 93.9 0.0 184.0



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: VX010478.D

Acq: 27 Jun 2019 10:52

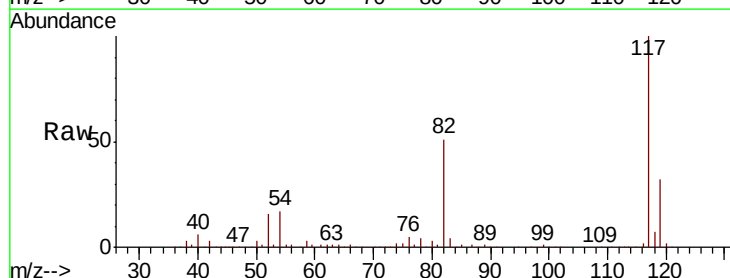
Tgt Ion: 117 Resp: 366535

Ion Ratio Lower Upper

117 100

82 50.7 41.2 61.8

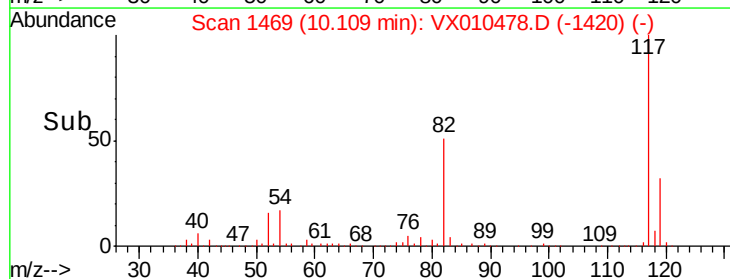
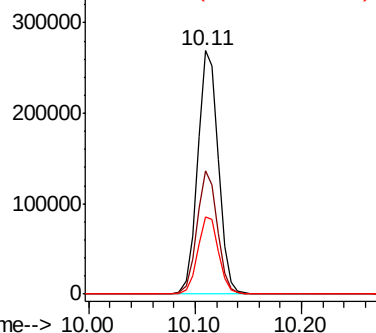
119 31.7 25.5 38.3

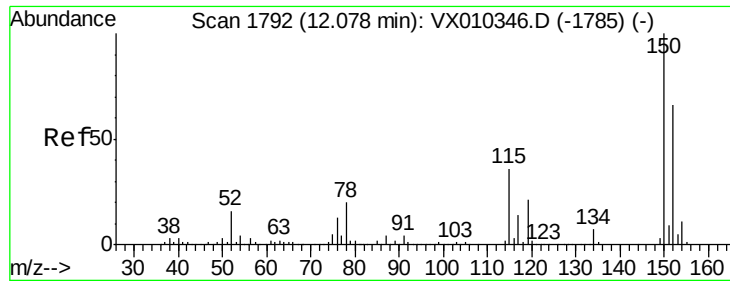


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



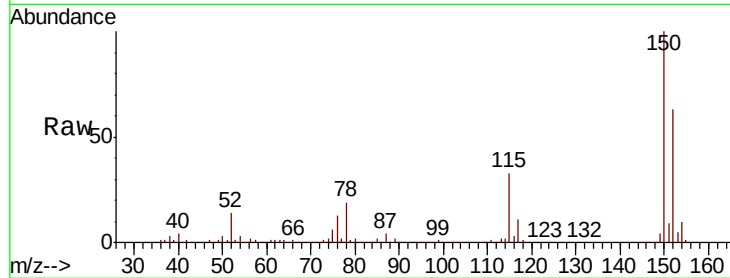


#72

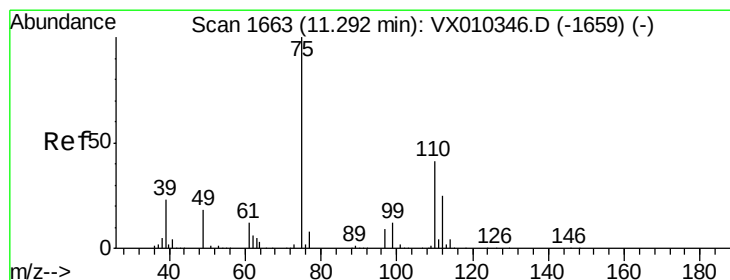
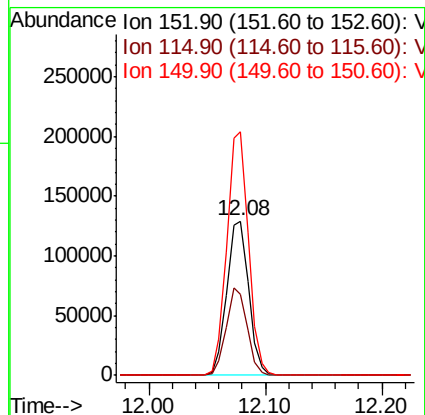
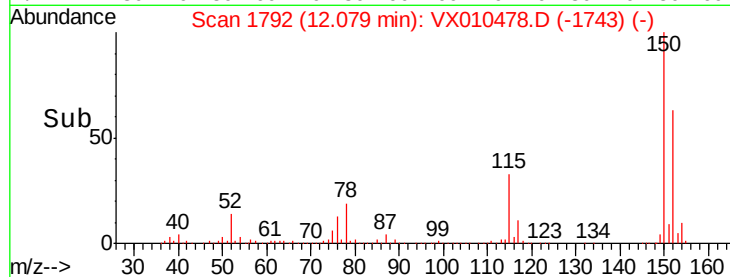
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010478.D
Acq: 27 Jun 2019 10:52

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 167896
Ion Ratio Lower Upper
152 100
115 54.5 38.6 115.7
150 155.9 0.0 347.4



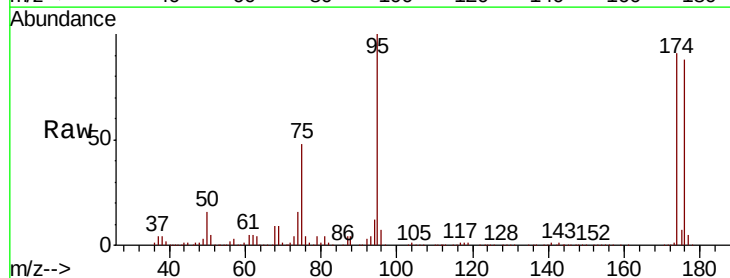
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



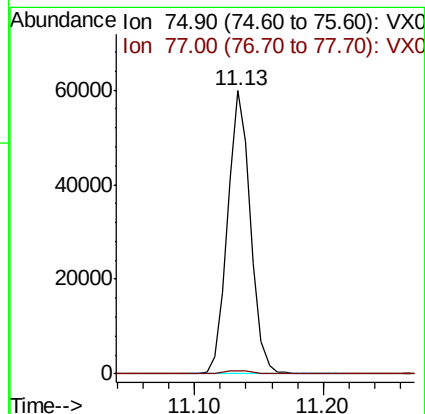
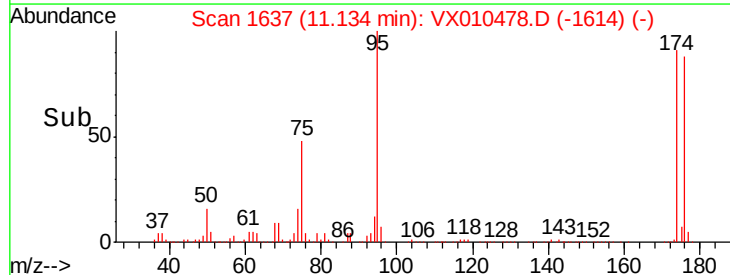
#76

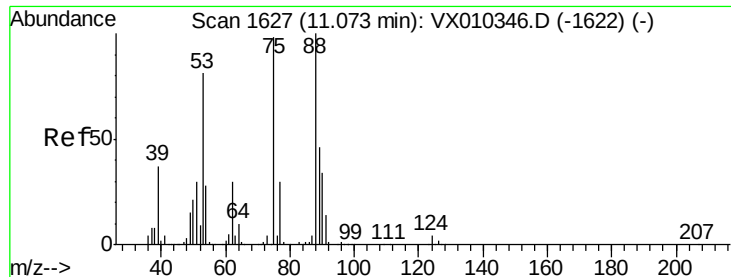
1,2,3-Trichloropropane
Concen: 24.487 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010478.D
Acq: 27 Jun 2019 10:52

Tgt Ion: 75 Resp: 74917
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: 57.125 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010478.D
 Acq: 27 Jun 2019 10:52

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 74917
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.1 99.1#
 89 0.1 37.8 56.6#

