

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062519\
 Data File : VX010436.D
 Acq On : 25 Jun 2019 16:18
 Operator : JC/SP
 Sample : K3521-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SY-3DD

Quant Time: Jun 26 01:20:56 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	259556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	400595	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	360899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	161206	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	122771	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
35) Dibromofluoromethane	5.50	113	122720	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
50) Toluene-d8	8.71	98	471205	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	11.13	95	156623	46.26	ug/l	0.00
Spiked Amount			Recovery	=	92.52%	

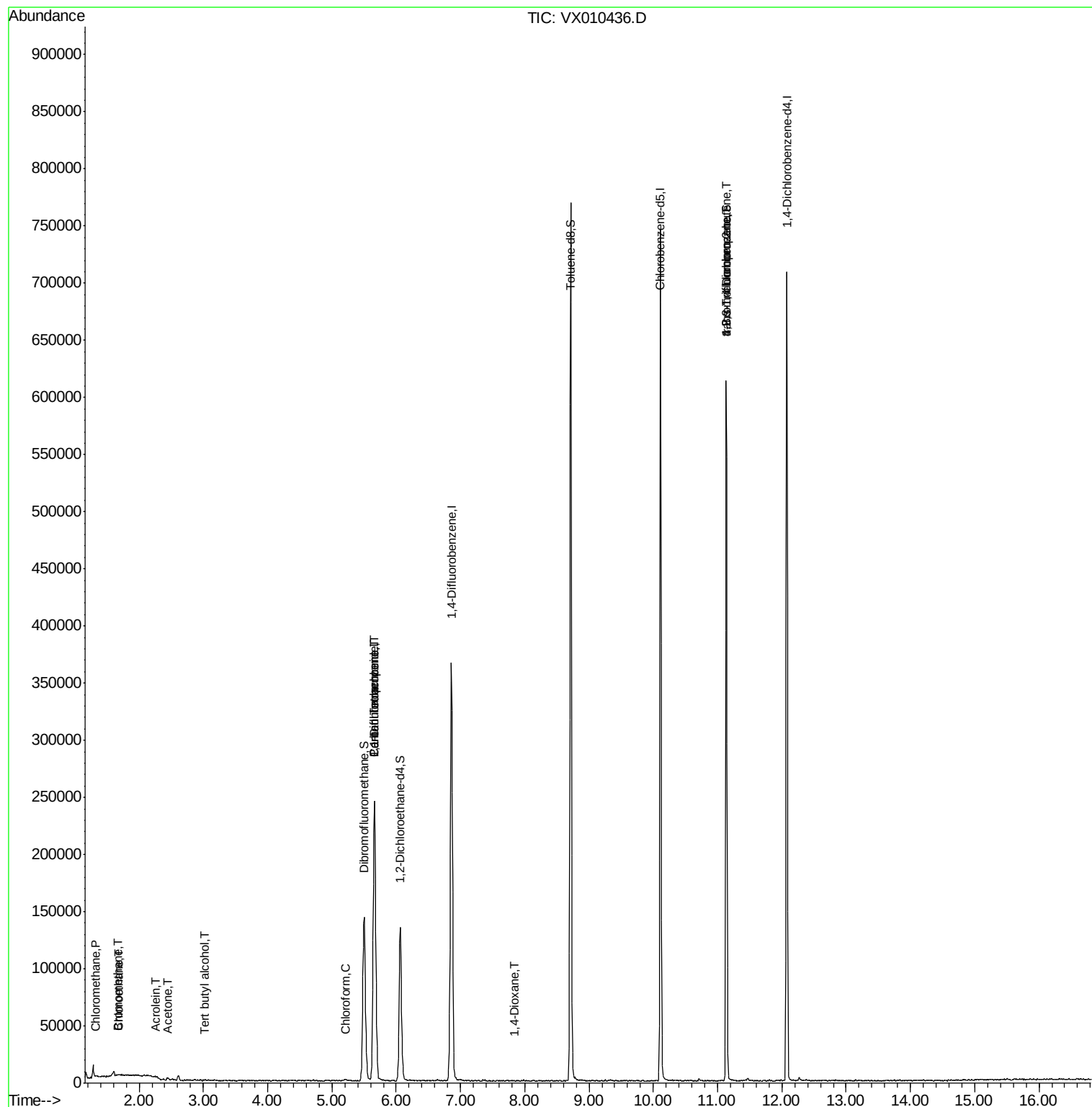
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	684	0.326	ug/l #	57
5) Bromomethane	1.66	94	582	0.519	ug/l #	73
6) Chloroethane	1.68	64	752	0.554	ug/l #	54
11) Tert butyl alcohol	3.02	59	627	0.985	ug/l #	91
13) Acrolein	2.24	56	242	0.573	ug/l #	53
16) Acetone	2.45	43	1693	1.388	ug/l #	85
30) Chloroform	5.21	83	1745	0.420	ug/l #	83
36) 1,1-Dichloropropene	5.66	75	16134	5.068	ug/l #	48
38) Carbon Tetrachloride	5.66	117	22490	6.524	ug/l #	14
49) 1,4-Dioxane	7.84	88	20	0.276	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	72337	24.625	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	72337	57.447	ug/l #	16

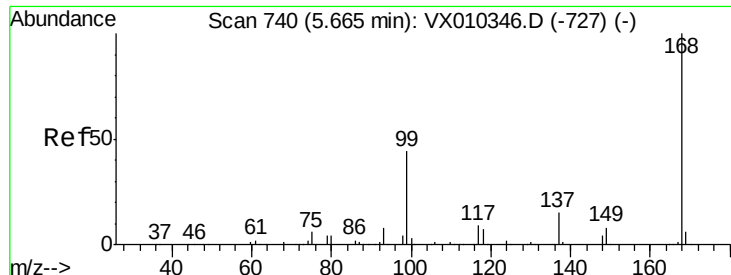
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010436.D

Acq: 25 Jun 2019 16:18

Instrument :

MSVOA_X

ClientSampleId :

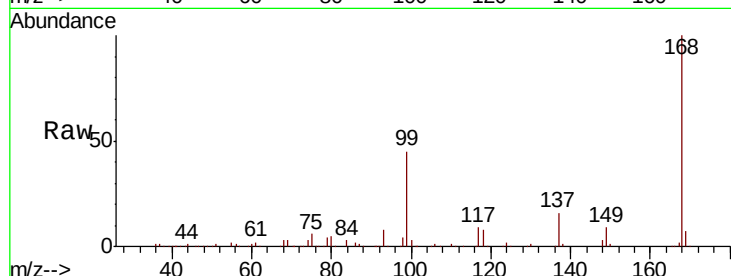
SY-3DD

Tot Ion:168 Resp: 259556

Ion Ratio Lower Upper

168 100

99 45.4 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

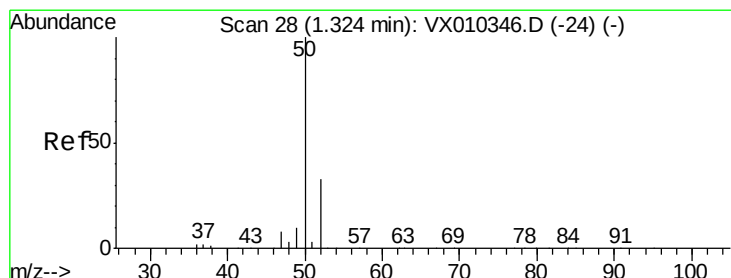
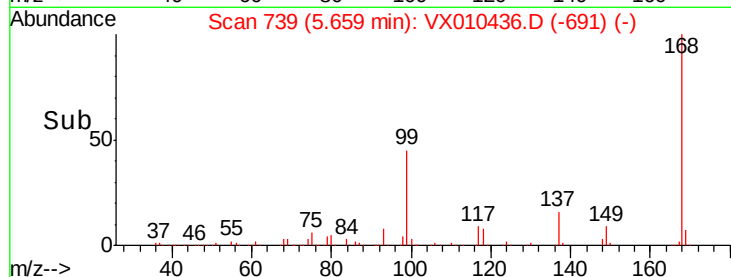
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.326 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010436.D

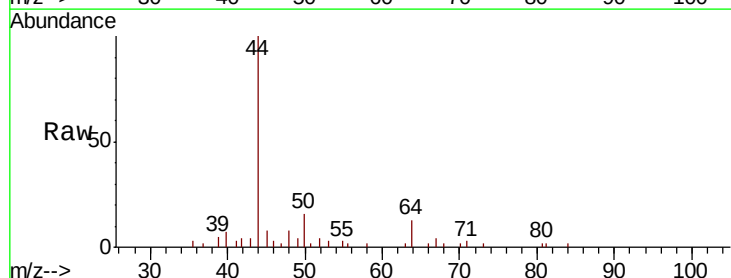
Acq: 25 Jun 2019 16:18

Tgt Ion: 50 Resp: 684

Ion Ratio Lower Upper

50 100

52 8.6 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

500

400

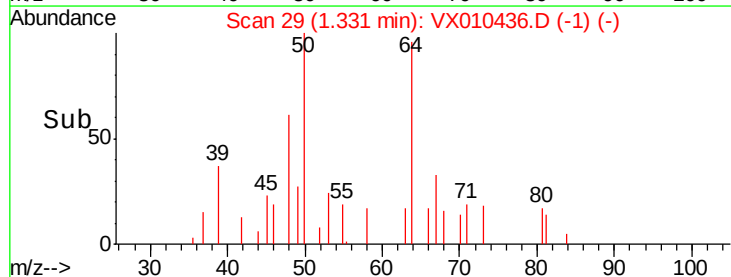
300

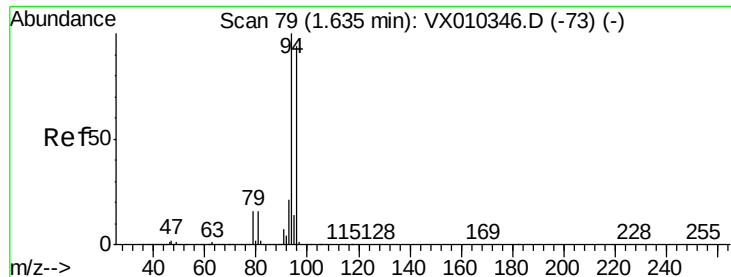
200

100

0

Time-->





#5

Bromomethane

Concen: 0.519 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010436.D

Acq: 25 Jun 2019 16:18

Instrument :

MSVOA_X

ClientSampled :

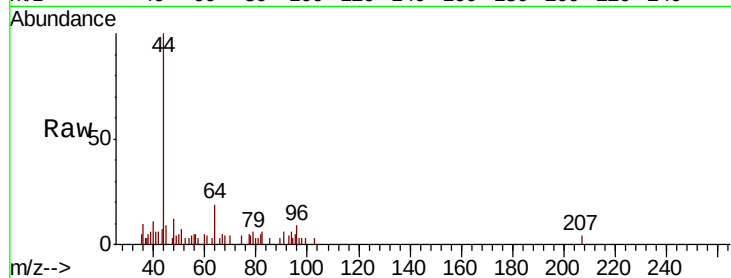
SY-3DD

Tot Ion: 94 Resp: 582

Ion Ratio Lower Upper

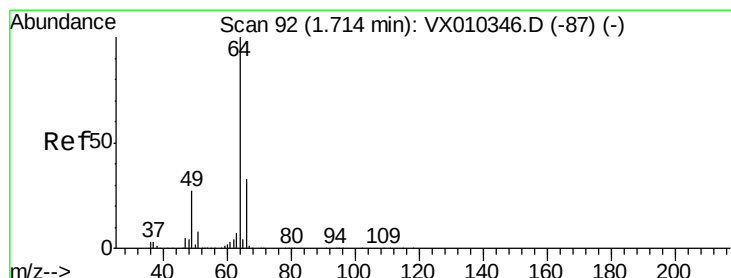
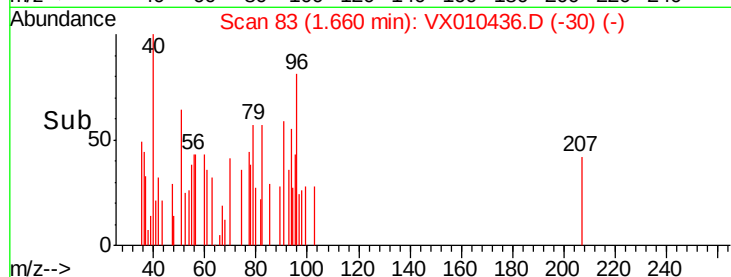
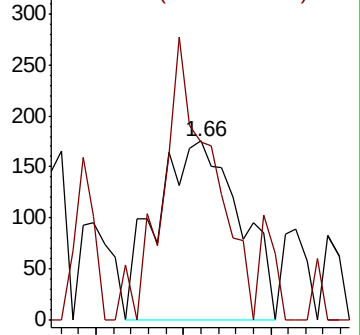
94 100

96 68.6 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: 0.554 ug/l

RT: 1.68 min Scan# 86

Delta R.T. -0.04 min

Lab File: VX010436.D

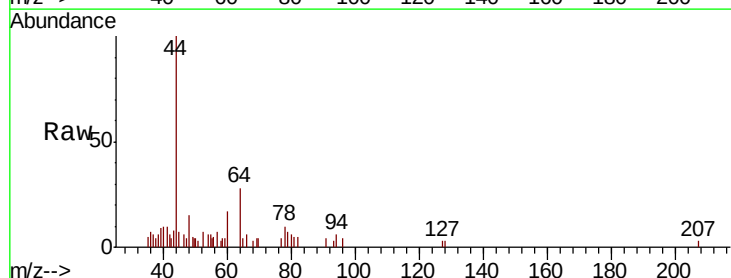
Acq: 25 Jun 2019 16:18

Tgt Ion: 64 Resp: 752

Ion Ratio Lower Upper

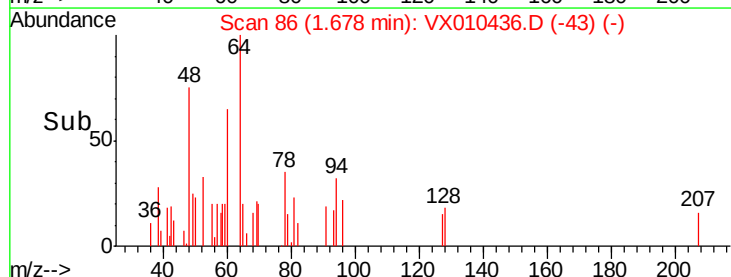
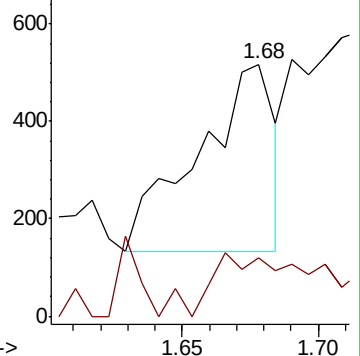
64 100

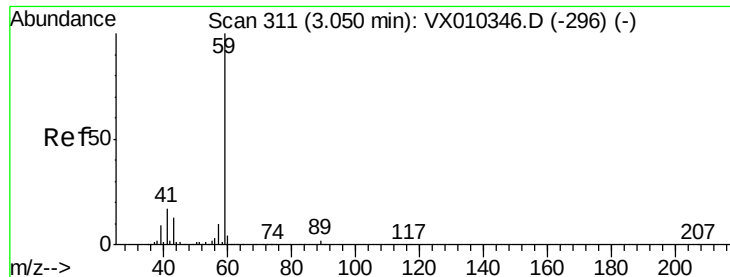
66 7.3 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#11

Tert butyl alcohol

Concen: 0.985 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010436.D

Acq: 25 Jun 2019 16:18

Instrument :

MSVOA_X

ClientSampled :

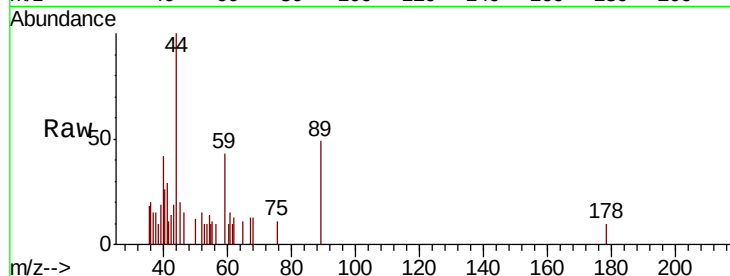
SY-3DD

Tot Ion: 59 Resp: 627

Ion Ratio Lower Upper

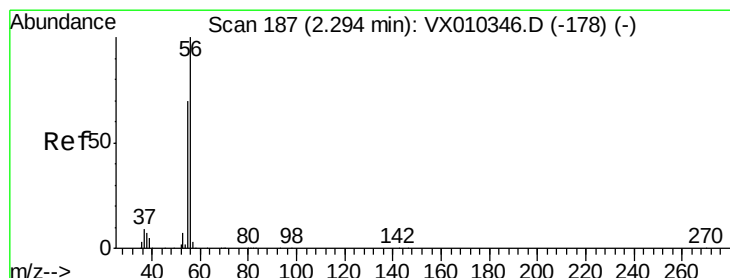
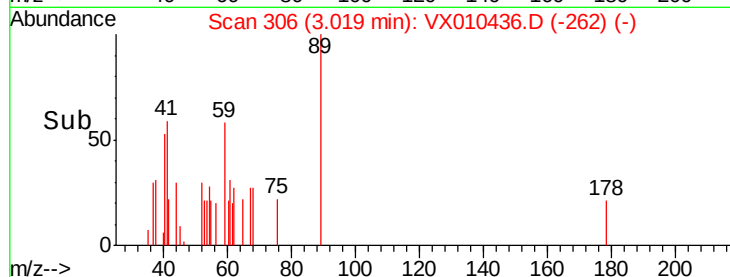
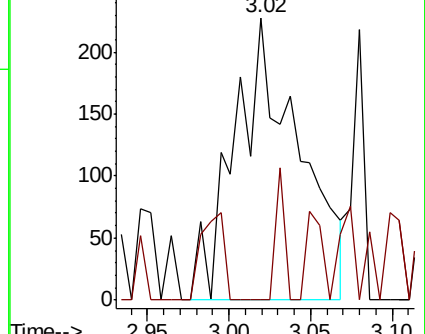
59 100

57 6.2 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: 0.573 ug/l

RT: 2.24 min Scan# 179

Delta R.T. -0.05 min

Lab File: VX010436.D

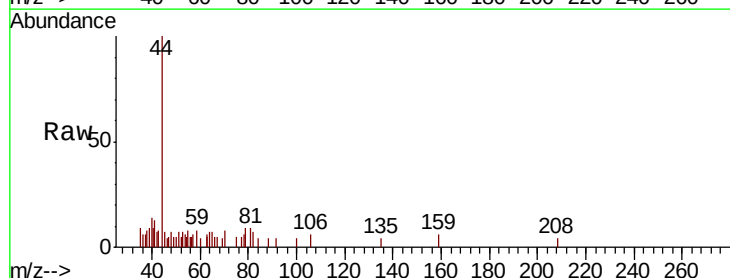
Acq: 25 Jun 2019 16:18

Tgt Ion: 56 Resp: 242

Ion Ratio Lower Upper

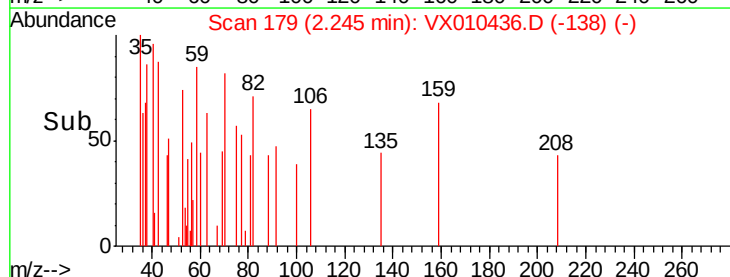
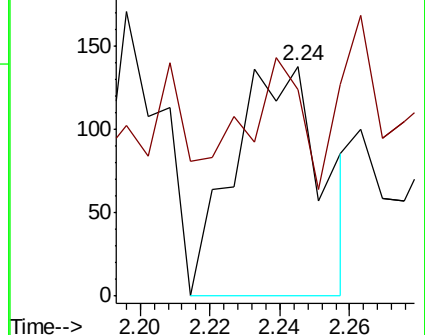
56 100

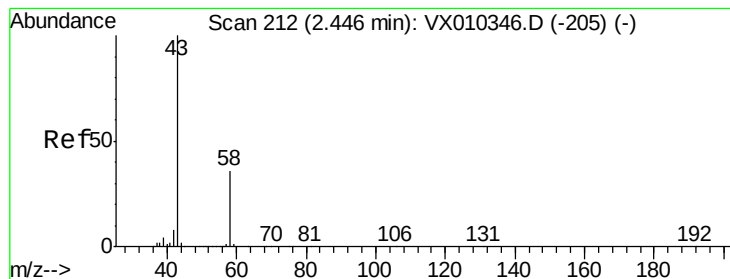
55 31.8 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.388 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010436.D

Acq: 25 Jun 2019 16:18

Instrument :

MSVOA_X

ClientSampleId :

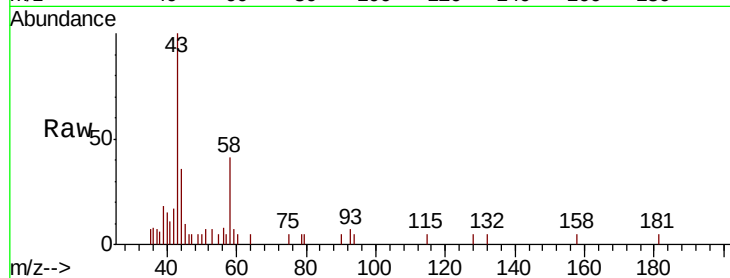
SY-3DD

Tot Ion: 43 Resp: 1693

Ion Ratio Lower Upper

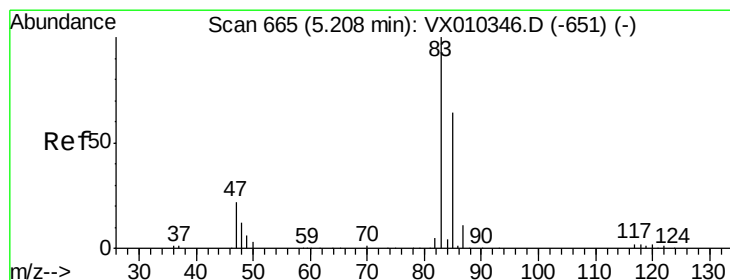
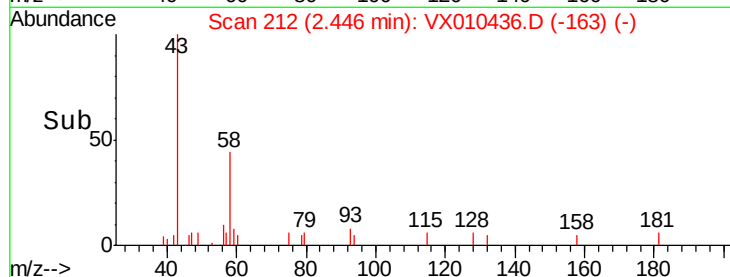
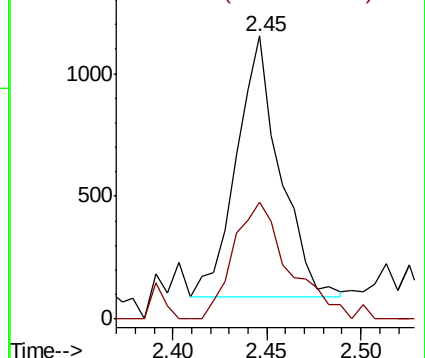
43 100

58 44.9 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#30

Chloroform

Concen: 0.420 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX010436.D

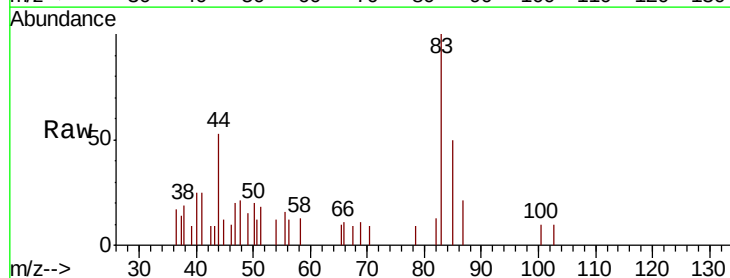
Acq: 25 Jun 2019 16:18

Tgt Ion: 83 Resp: 1745

Ion Ratio Lower Upper

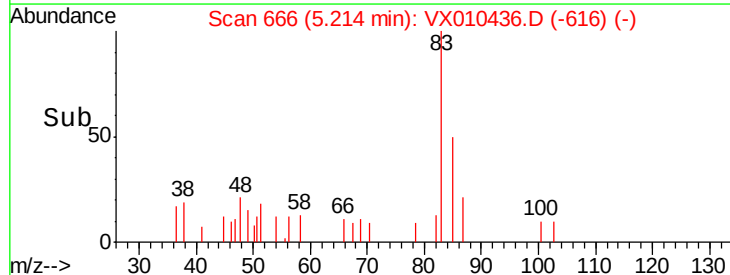
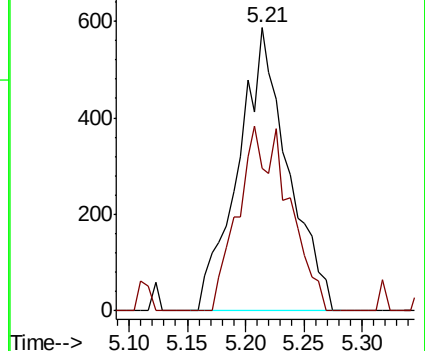
83 100

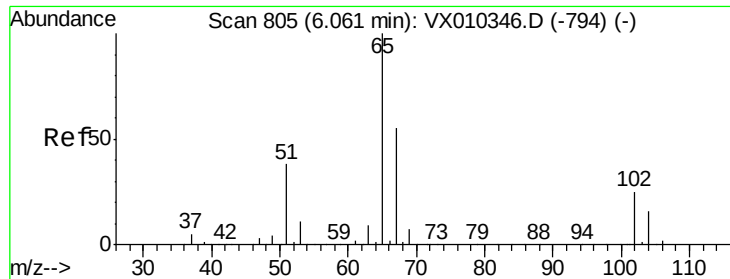
85 50.1 50.9 76.3#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.448 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010436.D

Acq: 25 Jun 2019 16:18

Instrument :

MSVOA_X

ClientSampled :

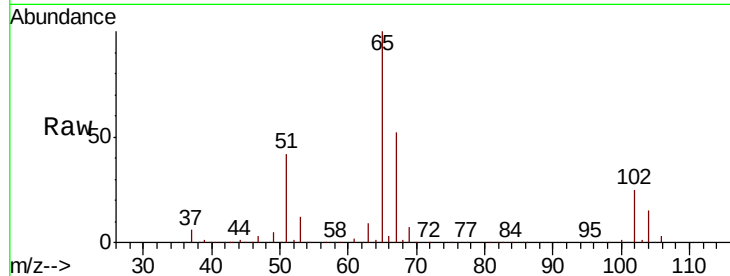
SY-3DD

Tot Ion: 65 Resp: 122771

Ion Ratio Lower Upper

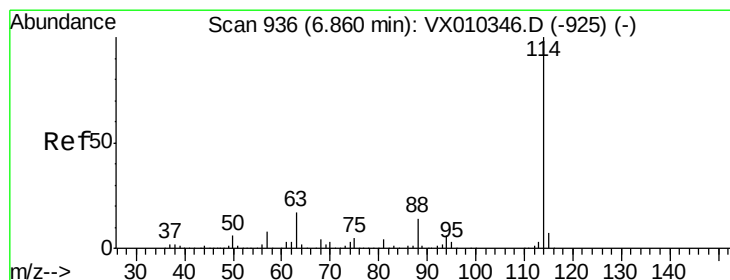
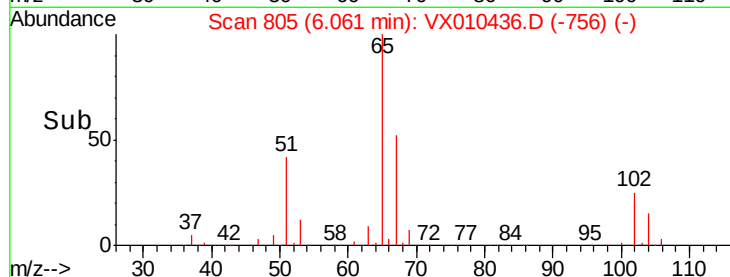
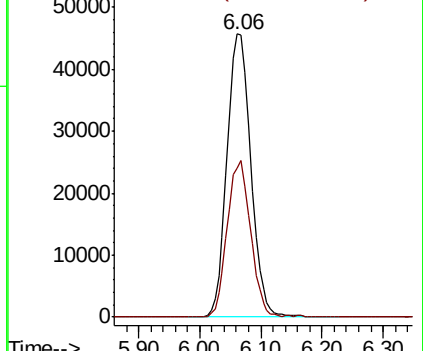
65 100

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: VX010436.D

Acq: 25 Jun 2019 16:18

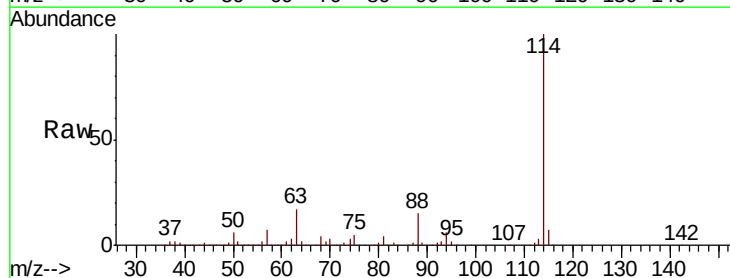
Tgt Ion: 114 Resp: 400595

Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.8

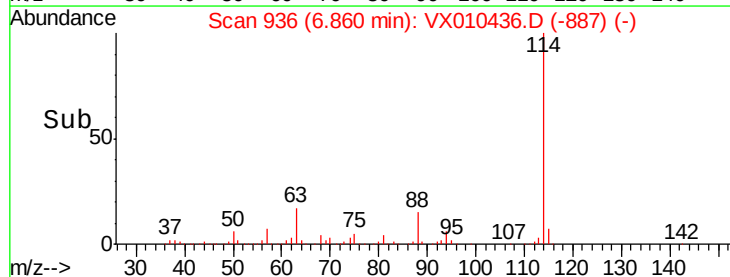
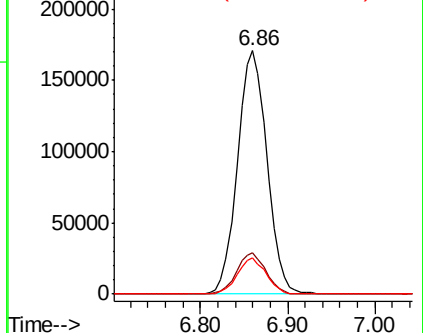
88 14.7 0.0 27.6

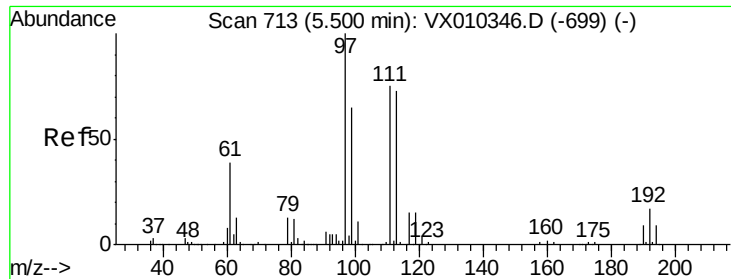


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.070 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010436.D

Acq: 25 Jun 2019 16:18

Instrument :

MSVOA_X

ClientSampleId :

SY-3DD

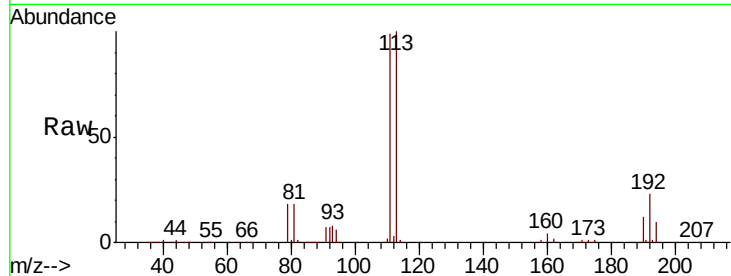
Tot Ion:113 Resp: 122720

Ion Ratio Lower Upper

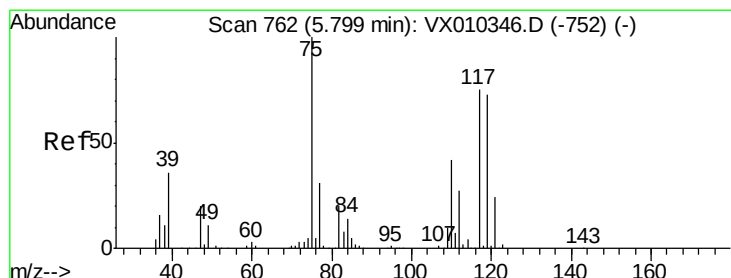
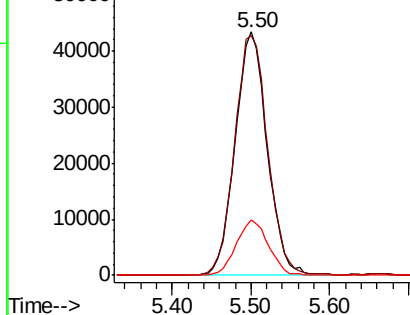
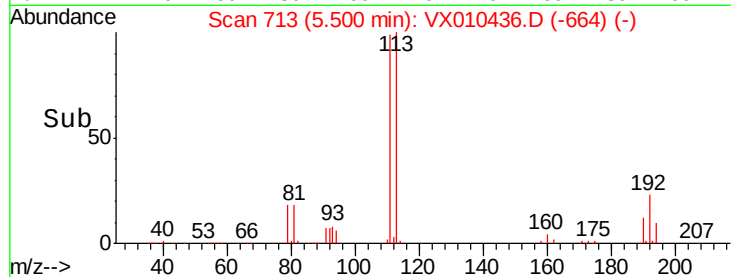
113 100

111 101.6 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: 5.068 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010436.D

Acq: 25 Jun 2019 16:18

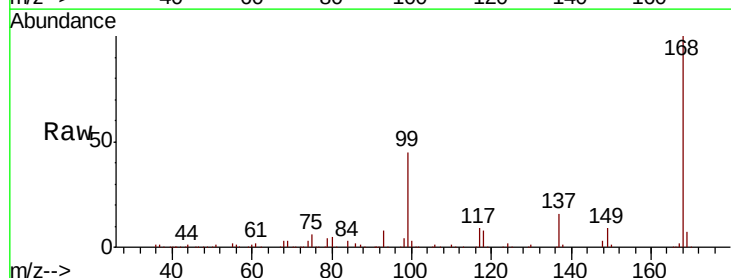
Tgt Ion: 75 Resp: 16134

Ion Ratio Lower Upper

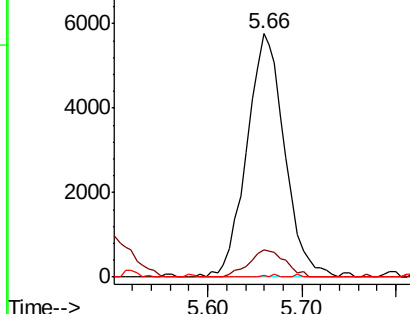
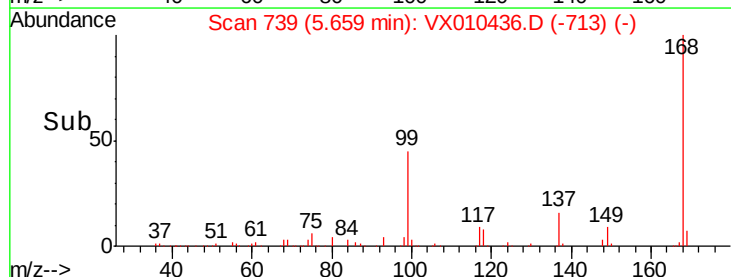
75 100

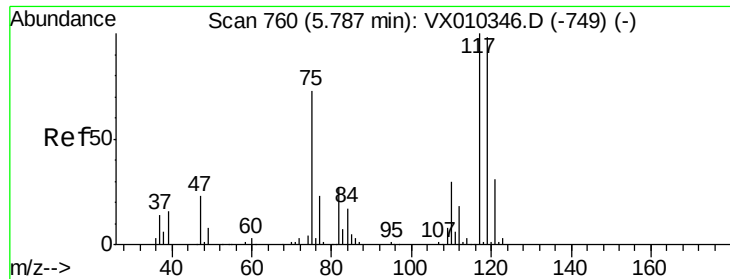
110 10.8 20.8 62.2#

77 0.1 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: 6.524 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010436.D

Acq: 25 Jun 2019 16:18

Instrument :

MSVOA_X

ClientSampled :

SY-3DD

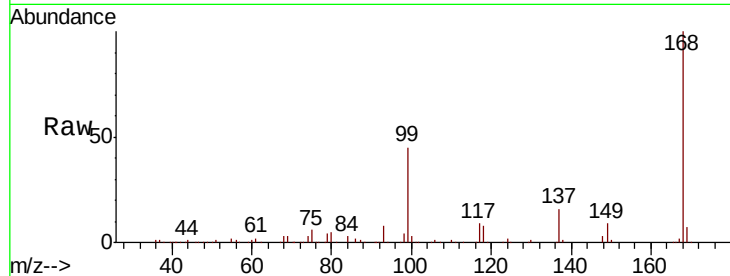
Tot Ion:117 Resp: 22490

Ion Ratio Lower Upper

117 100

119 4.1 78.2 117.4#

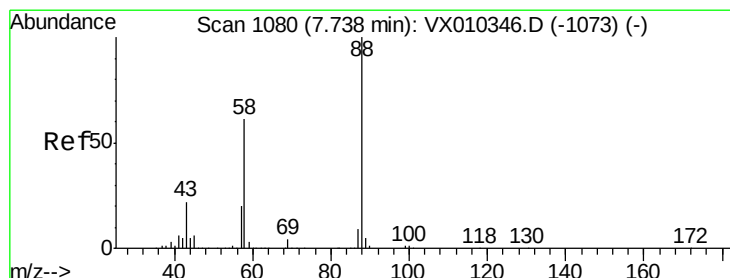
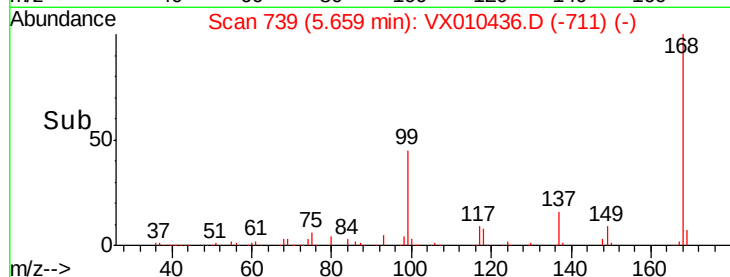
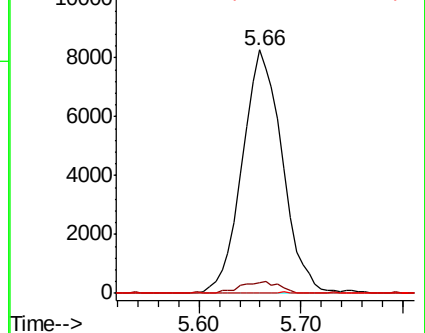
121 0.0 24.7 37.1#



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: 0.276 ug/l

RT: 7.84 min Scan# 1097

Delta R.T. 0.10 min

Lab File: VX010436.D

Acq: 25 Jun 2019 16:18

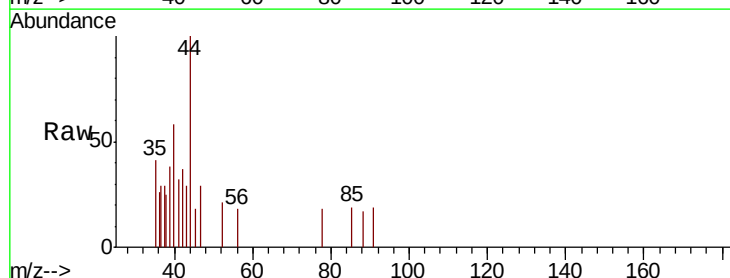
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.2#

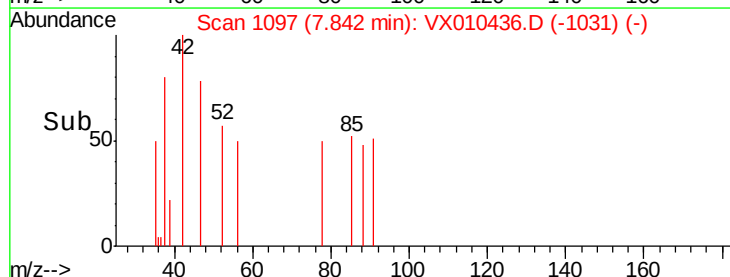
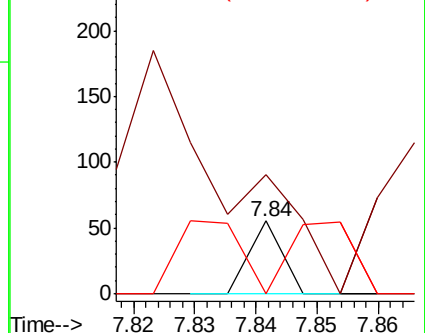
58 195.0 49.5 74.3#

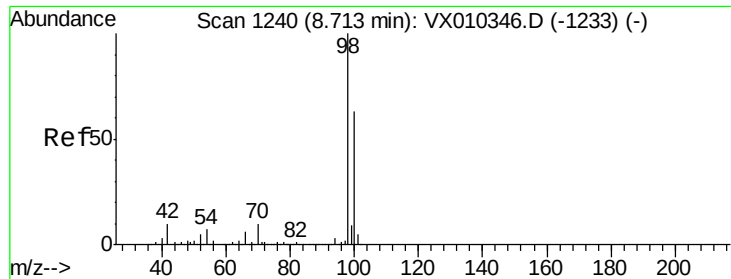


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

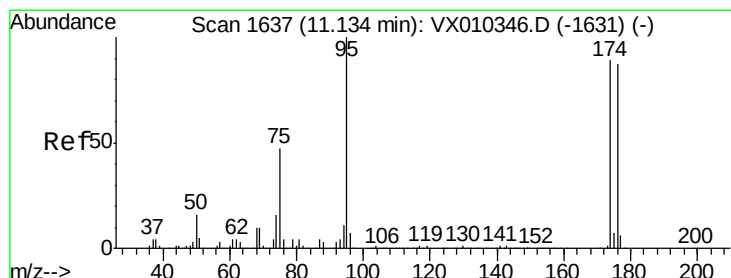
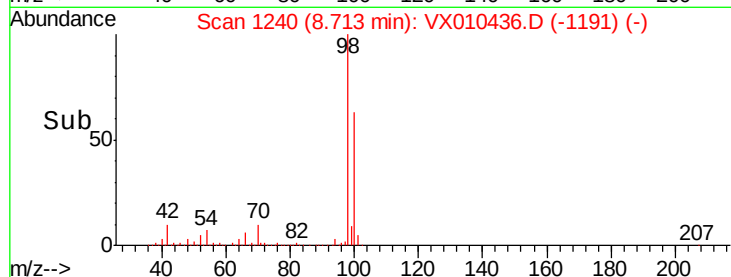
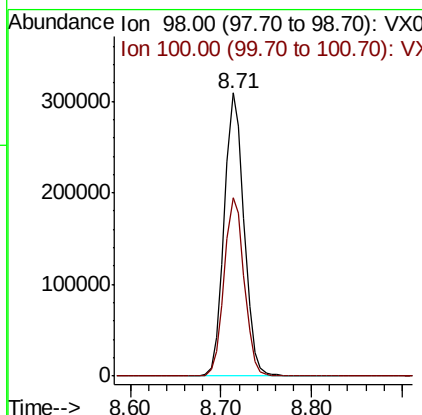
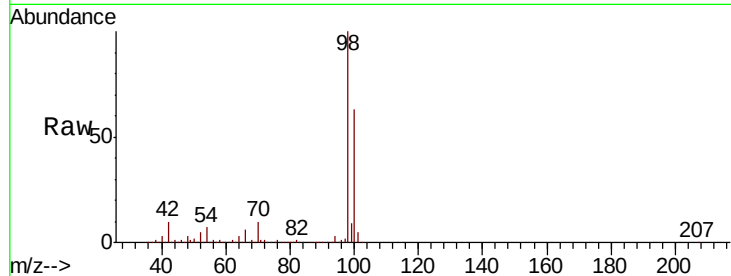




#50
Toluene-d8
Concen: 50.251 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010436.D
Acq: 25 Jun 2019 16:18

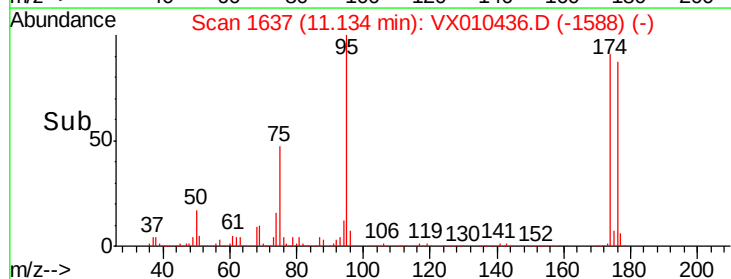
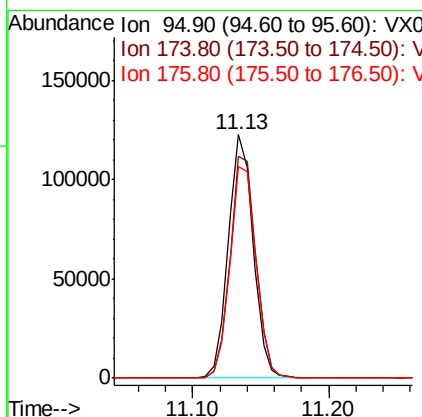
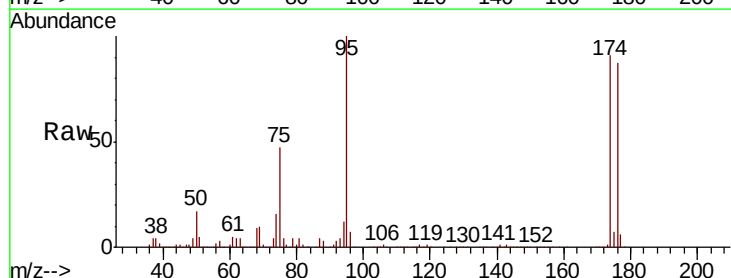
Instrument :
MSVOA_X
ClientSampleId :
SY-3DD

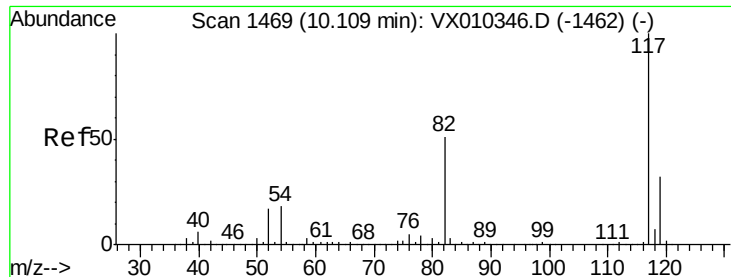
Tot Ion: 98 Resp: 471205
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 46.265 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010436.D
Acq: 25 Jun 2019 16:18

Tgt Ion: 95 Resp: 156623
Ion Ratio Lower Upper
95 100
174 94.6 0.0 187.6
176 91.0 0.0 184.0

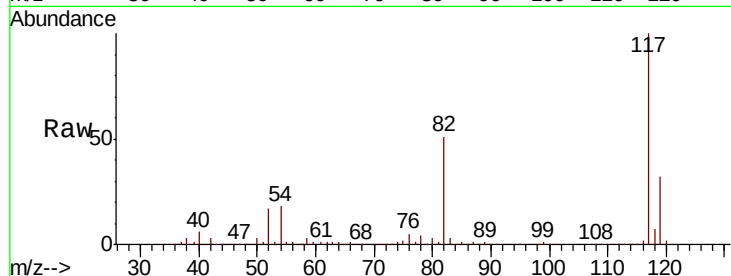




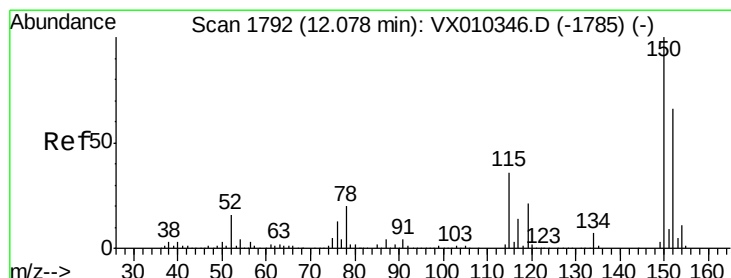
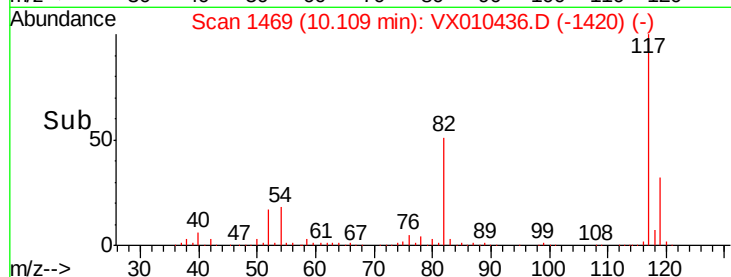
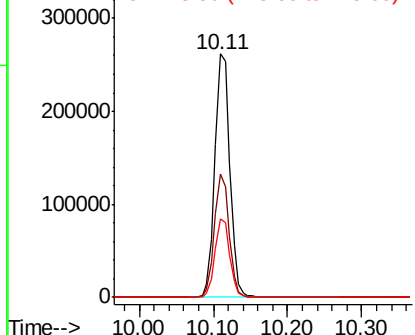
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010436.D
Acq: 25 Jun 2019 16:18

Instrument :
MSVOA_X
ClientSampleId :
SY-3DD

Tot Ion:117 Resp: 360899
Ion Ratio Lower Upper
117 100
82 50.8 41.2 61.8
119 32.2 25.5 38.3

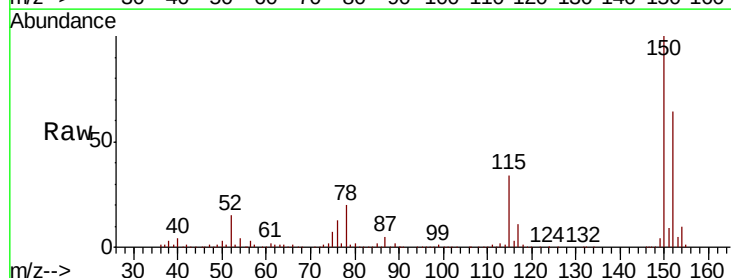


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

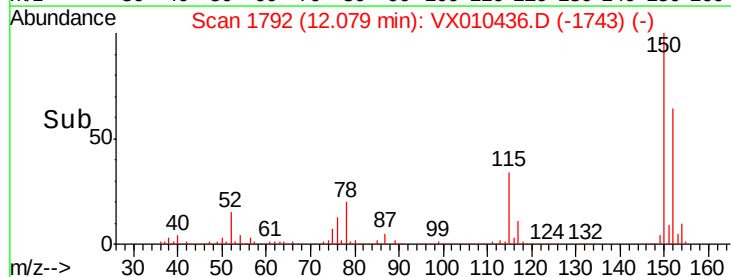
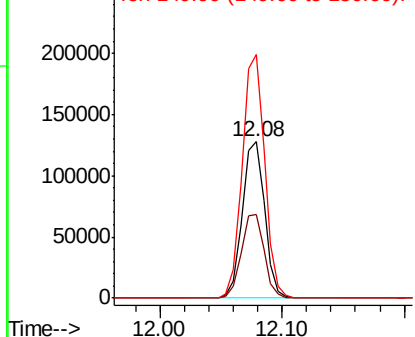


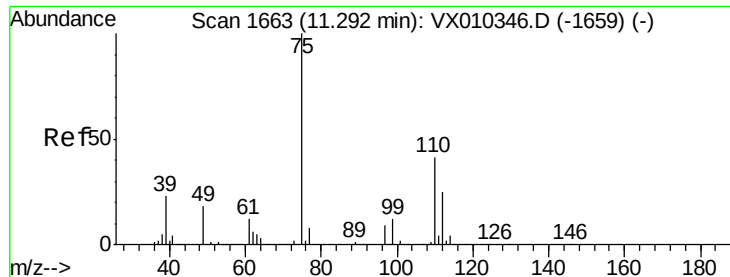
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010436.D
Acq: 25 Jun 2019 16:18

Tgt Ion:152 Resp: 161206
Ion Ratio Lower Upper
152 100
115 54.4 38.6 115.7
150 156.1 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

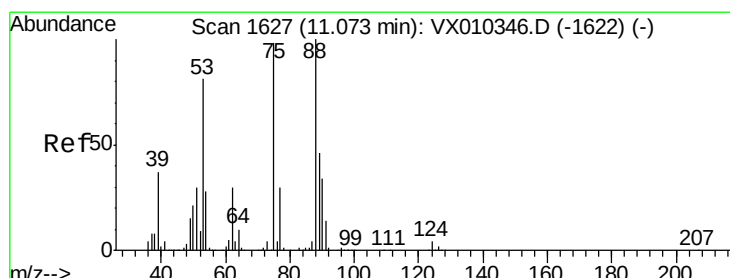
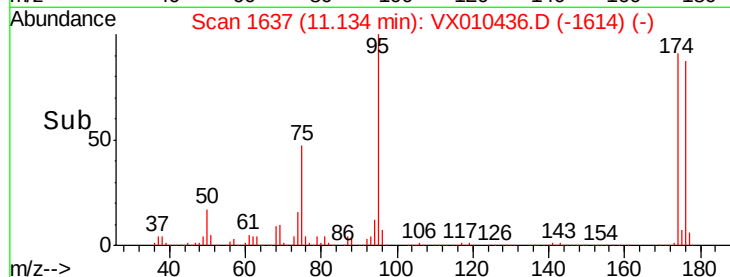
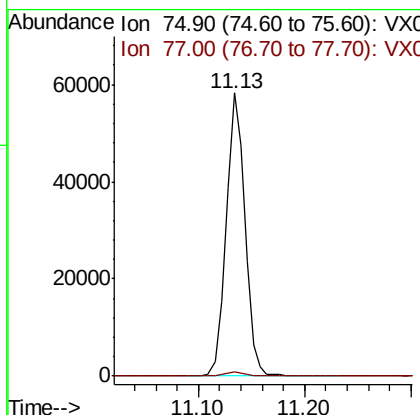
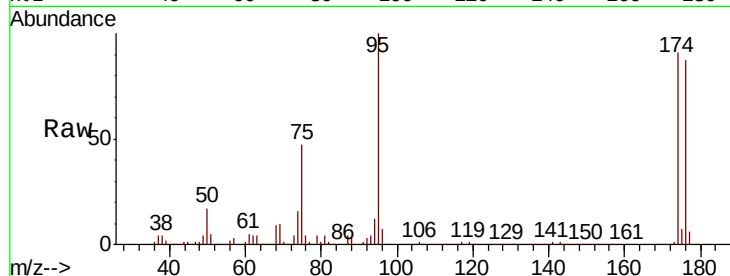




#76
 1,2,3-Trichloropropane
 Concen: 24.625 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010436.D
 Acq: 25 Jun 2019 16:18

Instrument :
 MSVOA_X
 ClientSampleId :
 SY-3DD

Tot Ion: 75 Resp: 72337
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.447 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010436.D
 Acq: 25 Jun 2019 16:18

Tgt Ion: 75 Resp: 72337
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.1 99.1#
 89 0.1 37.8 56.6#

