

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061719\
 Data File : VX010328.D
 Acq On : 17 Jun 2019 16:45
 Operator : JC/SP
 Sample : IBLK2
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 18 01:53:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	352873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	528418	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	475216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	225461	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	161714	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	
35) Dibromofluoromethane	5.50	113	160322	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
50) Toluene-d8	8.71	98	620650	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	11.13	95	215778	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	

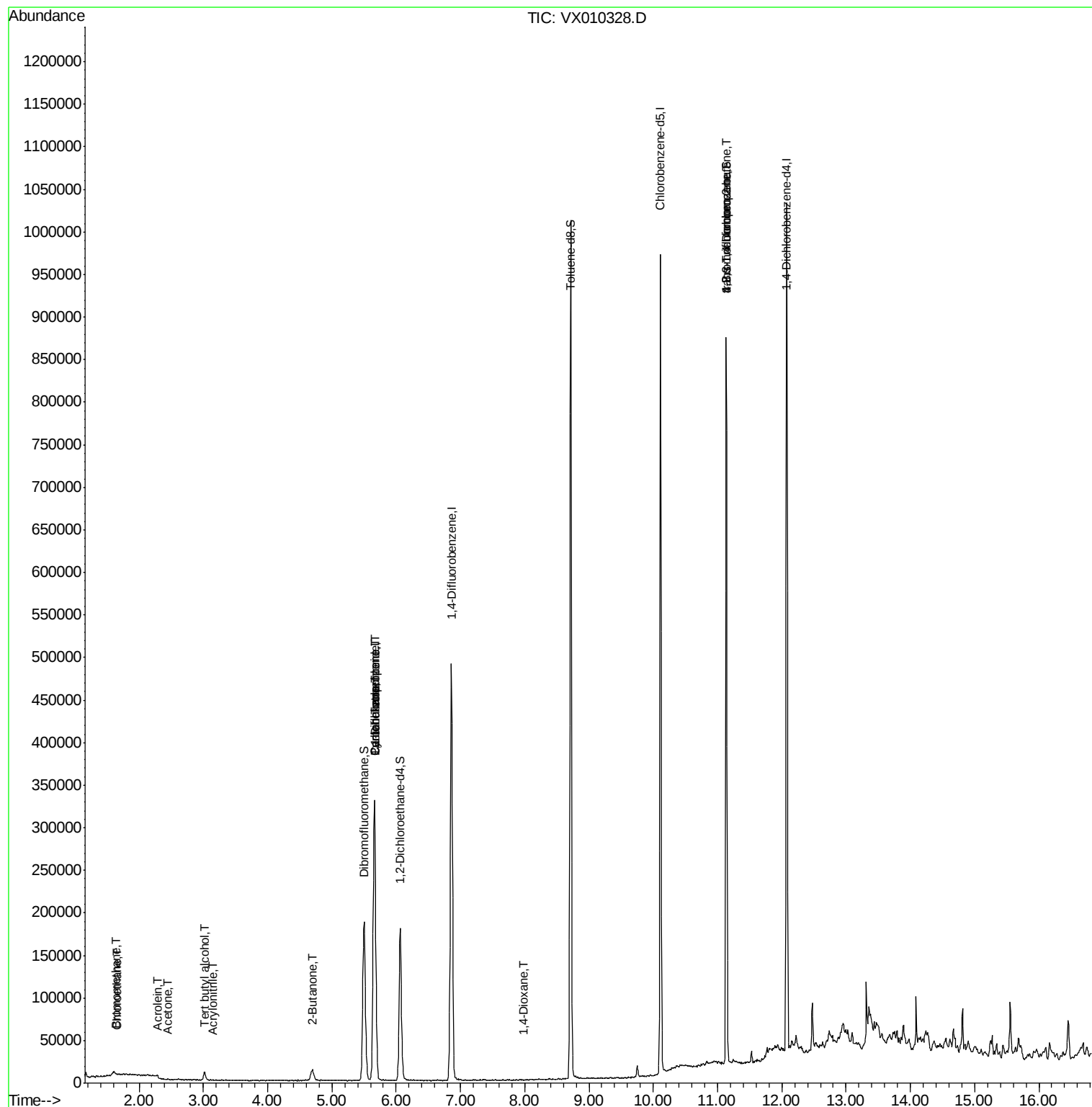
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	360	0.315	ug/l #	77
6) Chloroethane	1.67	64	402	0.263	ug/l #	60
11) Tert butyl alcohol	3.01	59	5535	6.560	ug/l #	85
13) Acrolein	2.28	56	171	1.111	ug/l #	38
15) Acrylonitrile	3.15	53	353	0.205	ug/l #	37
16) Acetone	2.45	43	577	0.356	ug/l #	29
25) 2-Butanone	4.70	43	1230	0.510	ug/l #	54
31) Cyclohexane	5.67	56	5736	1.144	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	21214	4.921	ug/l #	52
38) Carbon Tetrachloride	5.67	117	30930	6.339	ug/l #	14
49) 1,4-Dioxane	7.99	88	22	0.220	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	100296	22.240	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	100296	49.138	ug/l #	10

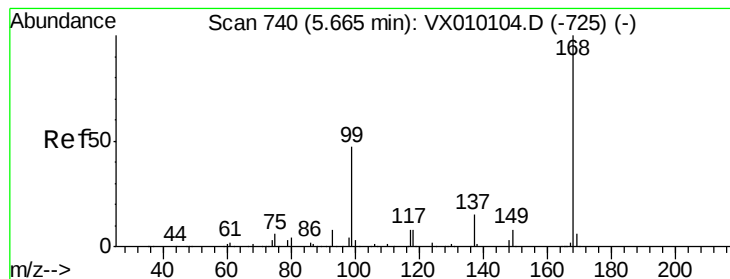
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061719\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010328.D

Acq: 17 Jun 2019 16:45

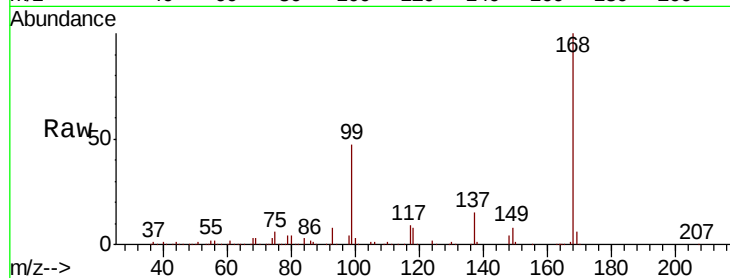
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 352873

Ion Ratio Lower Upper

168 100

99 47.1 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

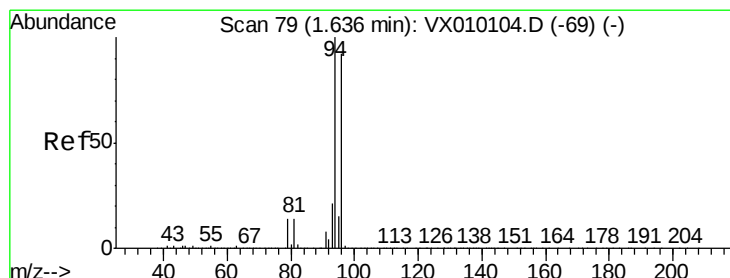
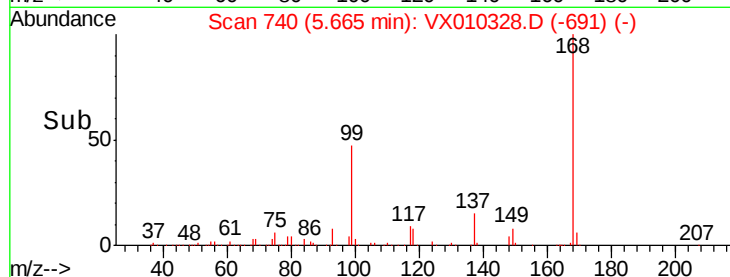
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.315 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010328.D

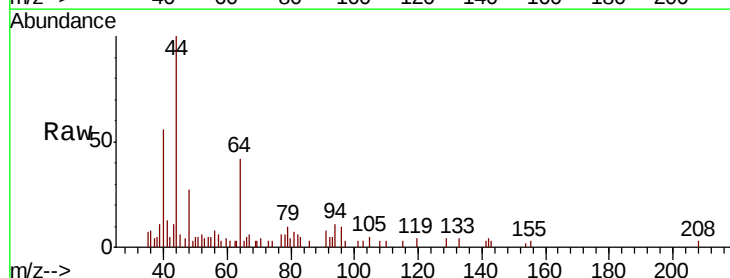
Acq: 17 Jun 2019 16:45

Tgt Ion: 94 Resp: 360

Ion Ratio Lower Upper

94 100

96 117.6 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

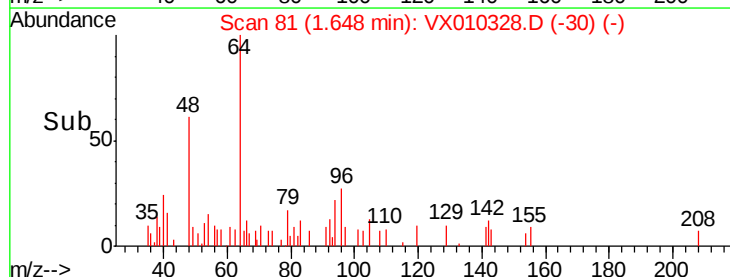
150

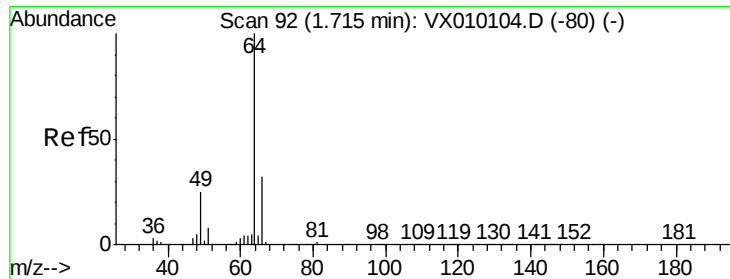
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.263 ug/l

RT: 1.67 min Scan# 84

Delta R.T. -0.05 min

Lab File: VX010328.D

Acq: 17 Jun 2019 16:45

Instrument :

MSVOA_X

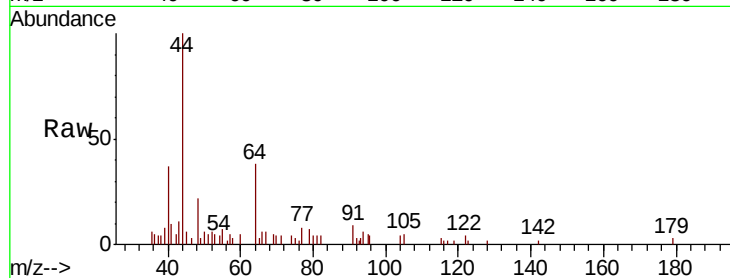
ClientSampleId :

Tot Ion: 64 Resp: 402

Ion Ratio Lower Upper

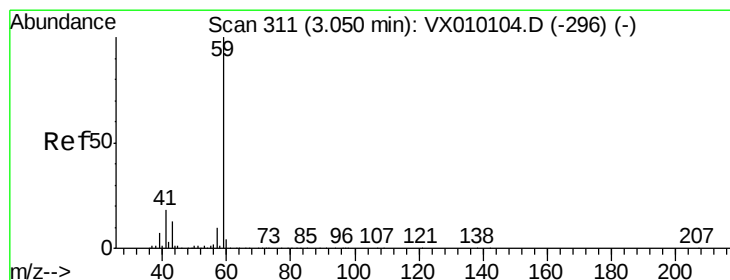
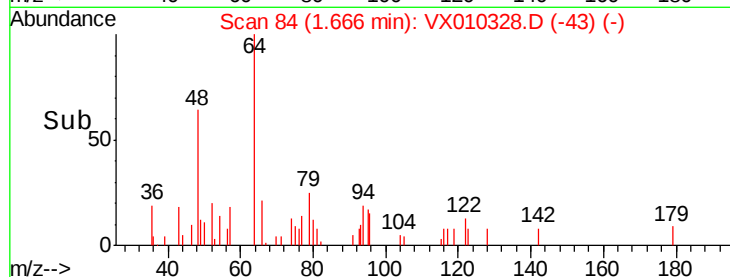
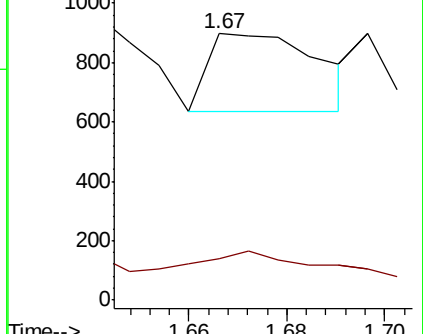
64 100

66 9.2 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 6.560 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX010328.D

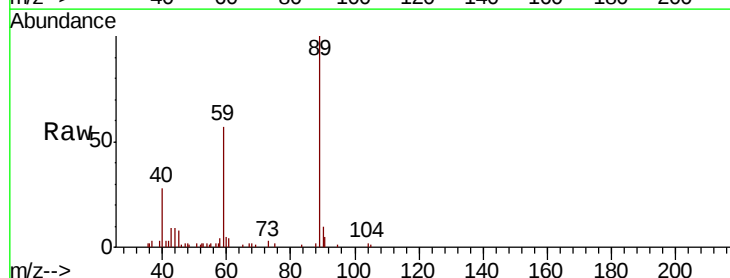
Acq: 17 Jun 2019 16:45

Tgt Ion: 59 Resp: 5535

Ion Ratio Lower Upper

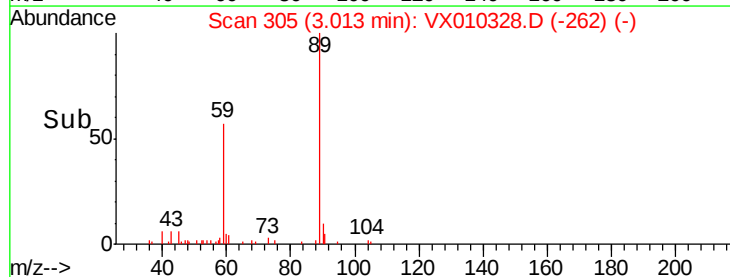
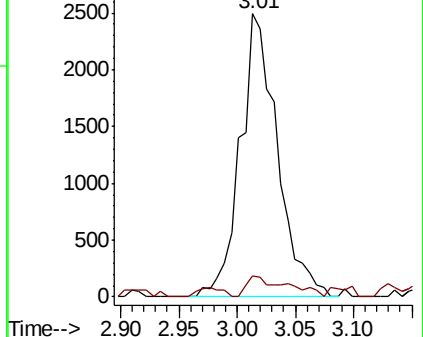
59 100

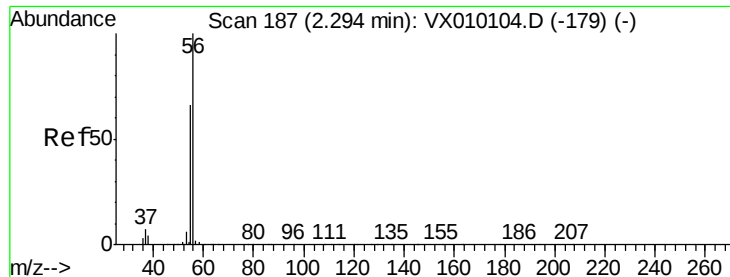
57 4.5 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.111 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX010328.D

Acq: 17 Jun 2019 16:45

Instrument :

MSVOA_X

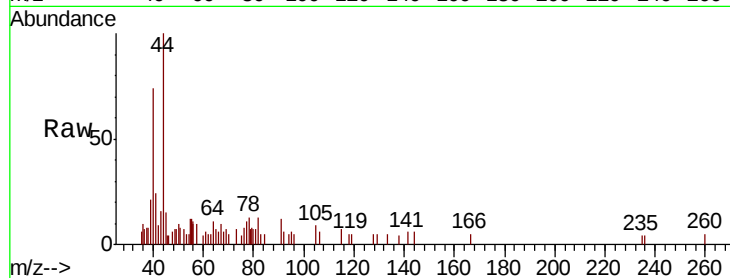
ClientSampleId :

Tot Ion: 56 Resp: 171

Ion Ratio Lower Upper

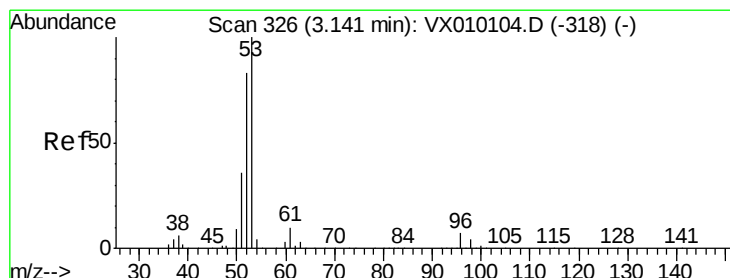
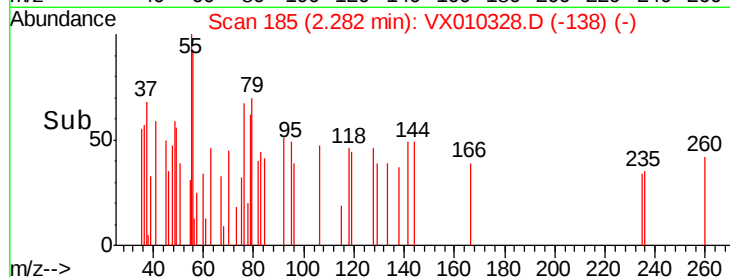
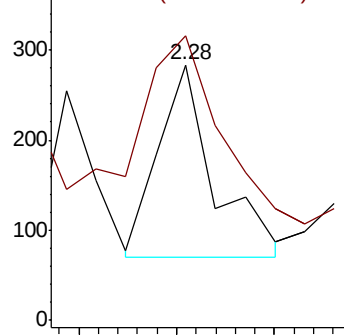
56 100

55 122.2 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.205 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX010328.D

Acq: 17 Jun 2019 16:45

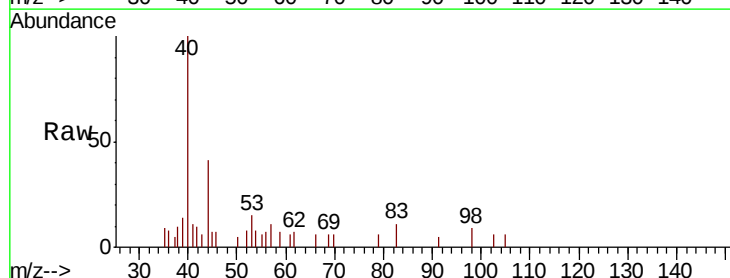
Tgt Ion: 53 Resp: 353

Ion Ratio Lower Upper

53 100

52 26.3 66.7 100.1#

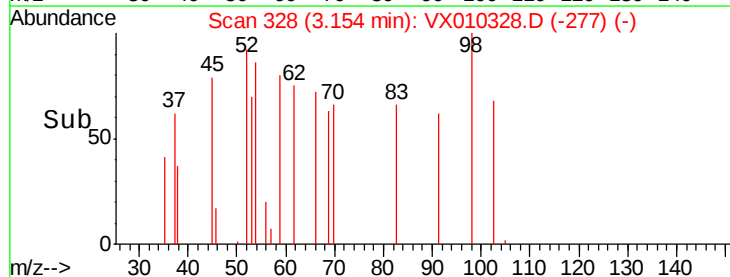
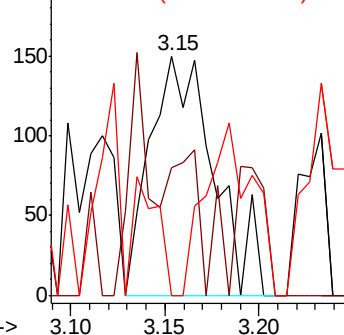
51 0.0 28.8 43.2#

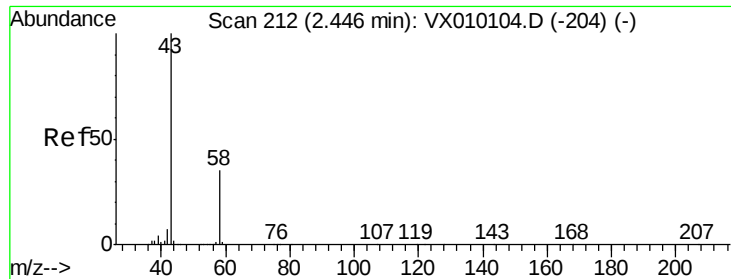


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.356 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010328.D

Acq: 17 Jun 2019 16:45

Instrument :

MSVOA_X

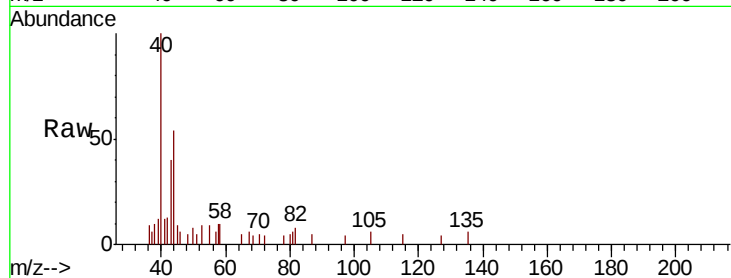
ClientSampleId :

Tot Ion: 43 Resp: 577

Ion Ratio Lower Upper

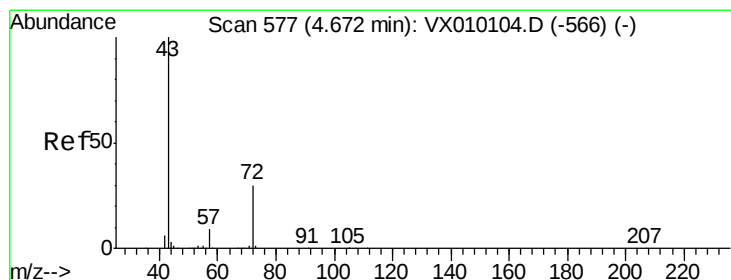
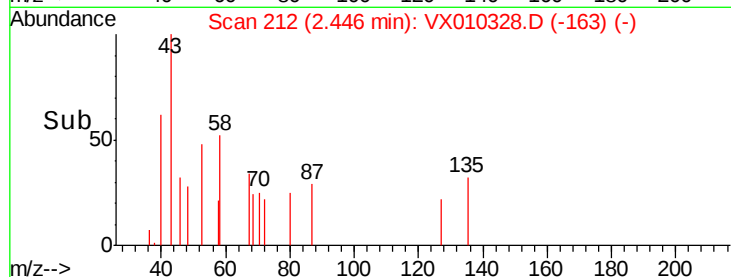
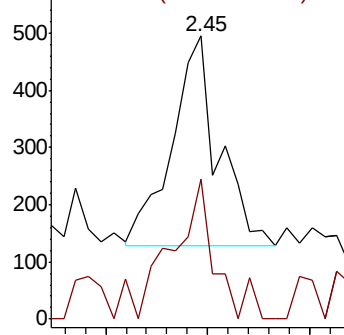
43 100

58 66.7 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#25

2-Butanone

Concen: 0.510 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX010328.D

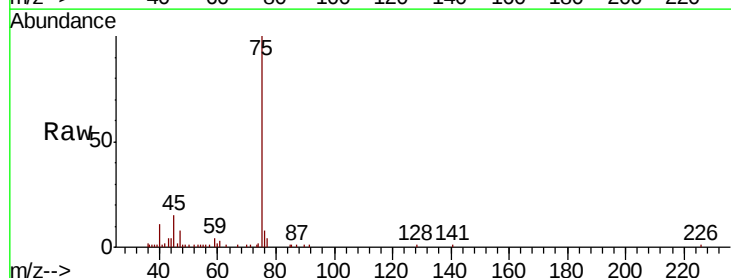
Acq: 17 Jun 2019 16:45

Tgt Ion: 43 Resp: 1230

Ion Ratio Lower Upper

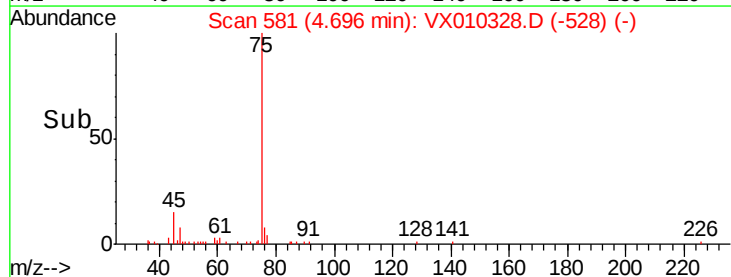
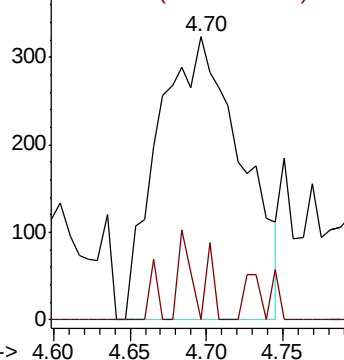
43 100

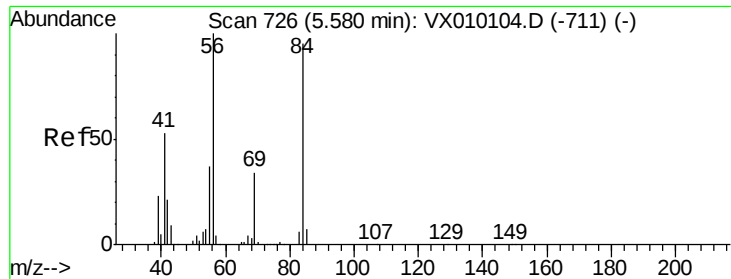
72 0.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

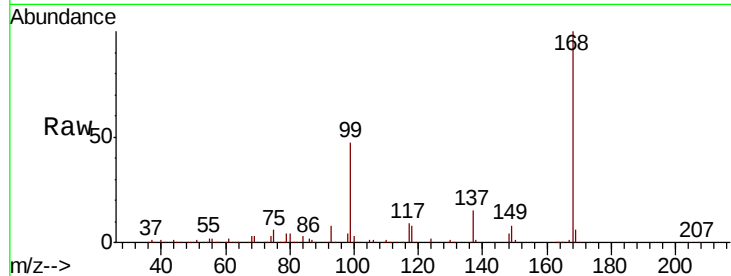




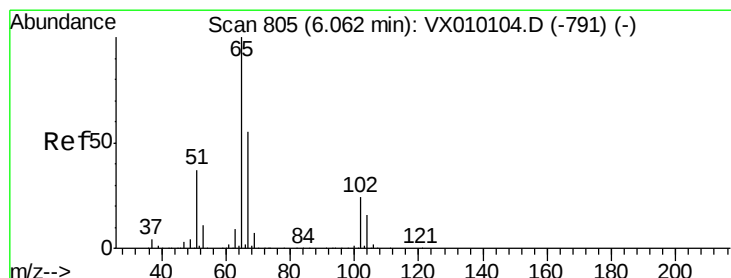
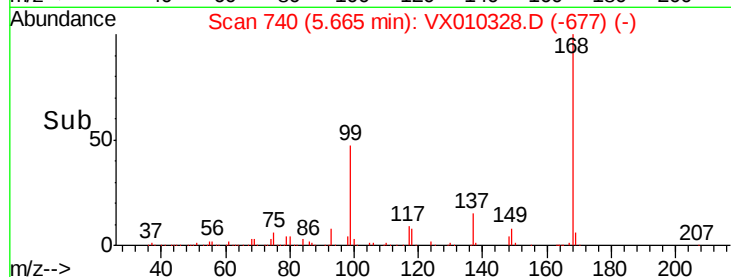
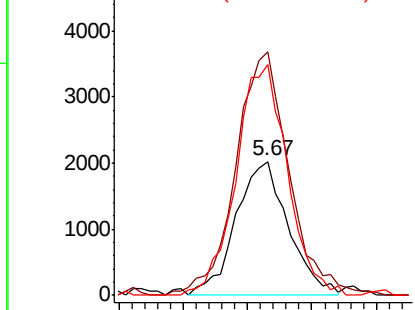
#31
Cyclohexane
Concen: 1.144 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX010328.D
Acq: 17 Jun 2019 16:45

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 5736
Ion Ratio Lower Upper
56 100
69 176.0 21.6 32.4#
84 168.1 56.8 85.2#

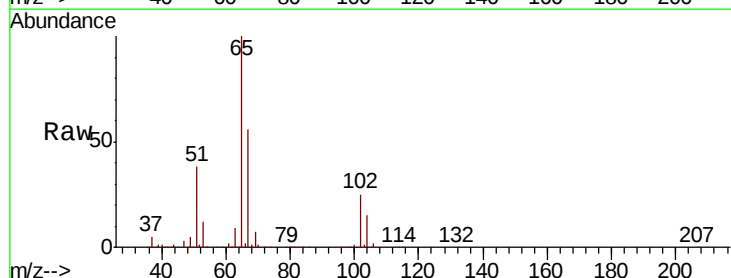


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

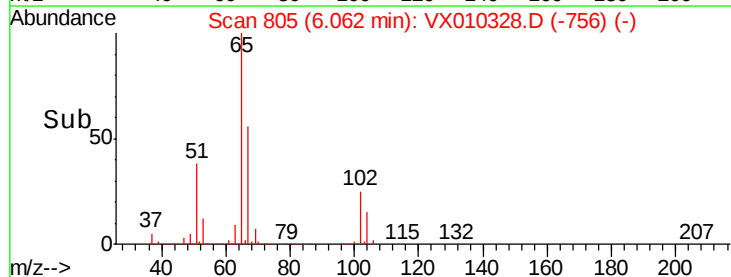
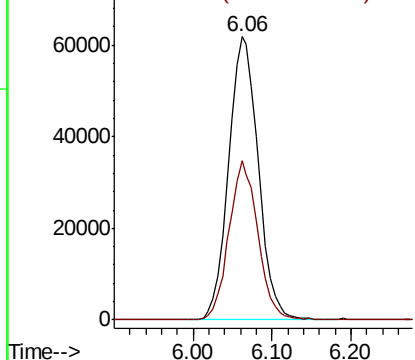


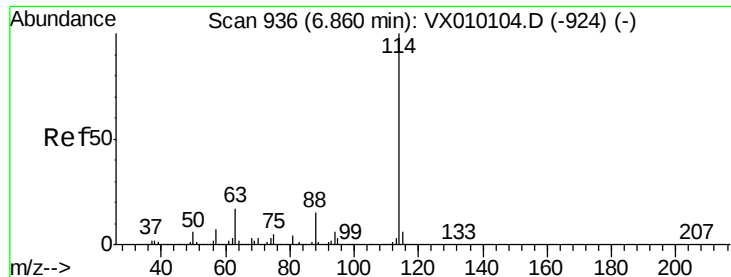
#33
1,2-Dichloroethane-d4
Concen: 46.949 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010328.D
Acq: 17 Jun 2019 16:45

Tgt Ion: 65 Resp: 161714
Ion Ratio Lower Upper
65 100
67 54.7 0.0 108.4



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: VX010328.D

Acq: 17 Jun 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

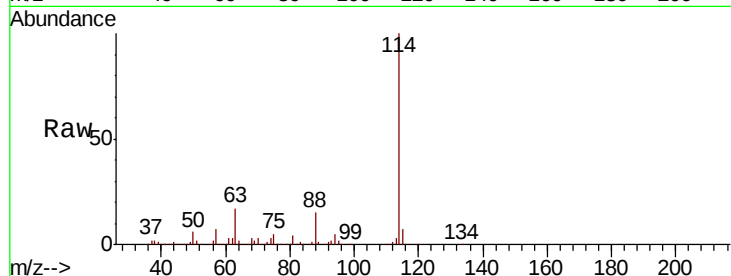
Tot Ion:114 Resp: 528418

Ion Ratio Lower Upper

114 100

63 17.0 0.0 47.4

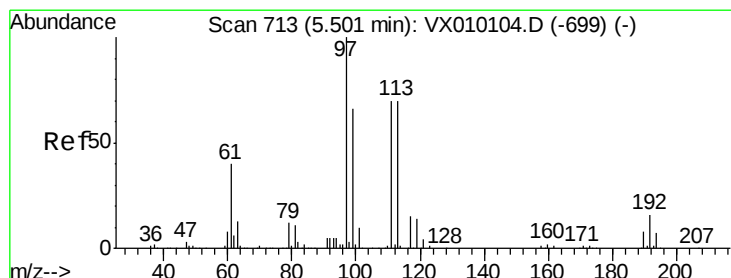
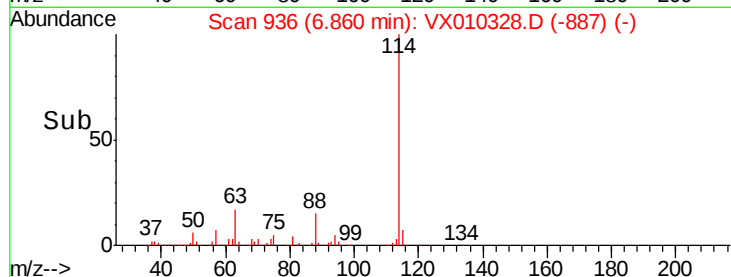
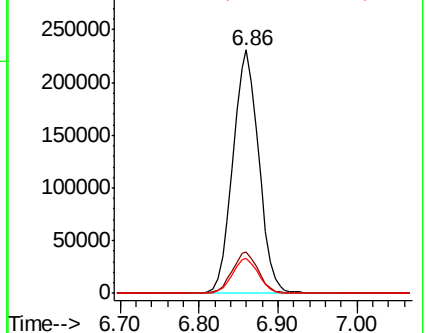
88 14.6 0.0 33.0



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: 49.187 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010328.D

Acq: 17 Jun 2019 16:45

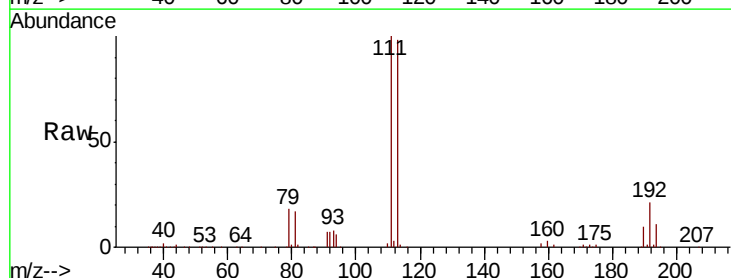
Tgt Ion:113 Resp: 160322

Ion Ratio Lower Upper

113 100

111 101.4 82.2 123.2

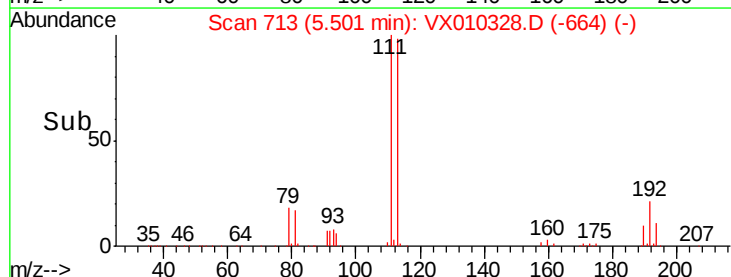
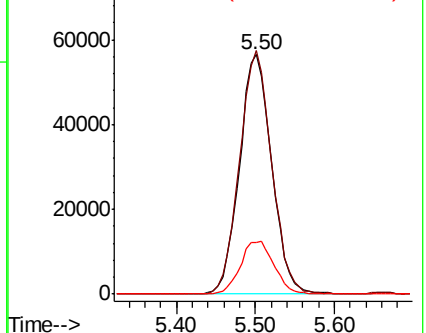
192 23.1 17.1 25.7

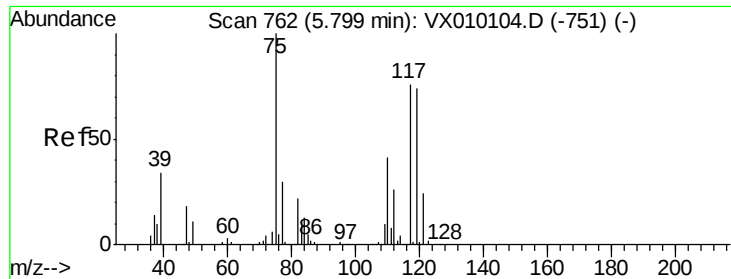


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.921 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010328.D

Acq: 17 Jun 2019 16:45

Instrument :
MSVOA_X
ClientSampled :

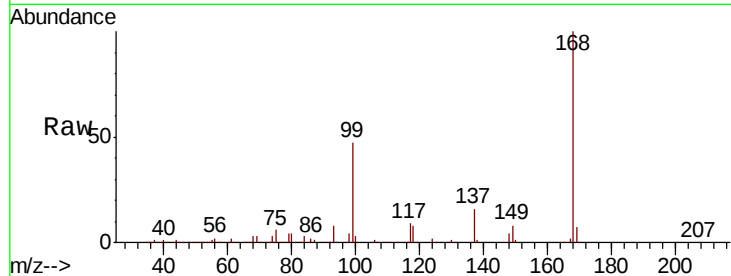
Tot Ion: 75 Resp: 21214

Ion Ratio Lower Upper

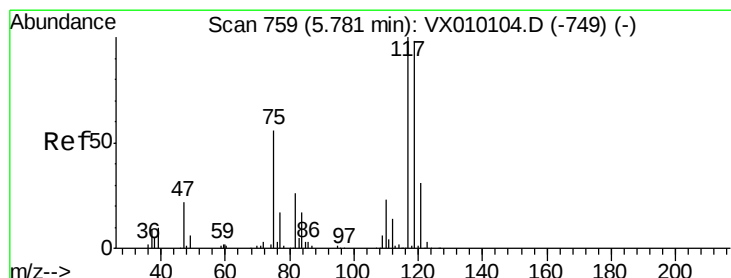
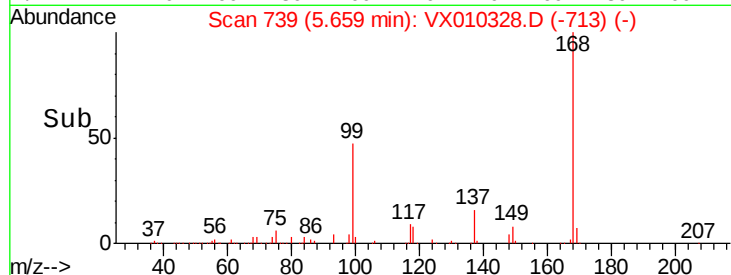
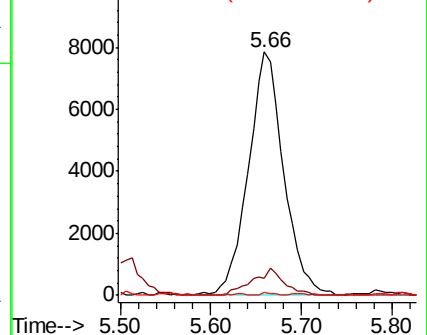
75 100

110 9.9 16.7 50.1#

77 0.4 25.0 37.4#



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: 6.339 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010328.D

Acq: 17 Jun 2019 16:45

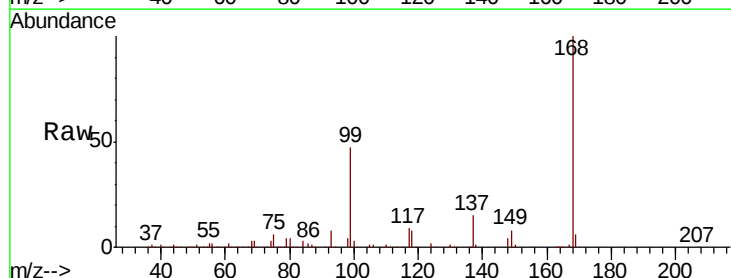
Tgt Ion: 117 Resp: 30930

Ion Ratio Lower Upper

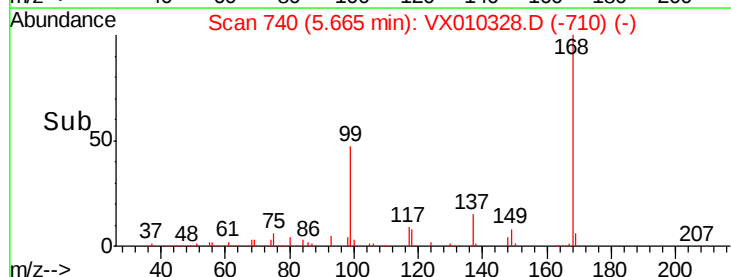
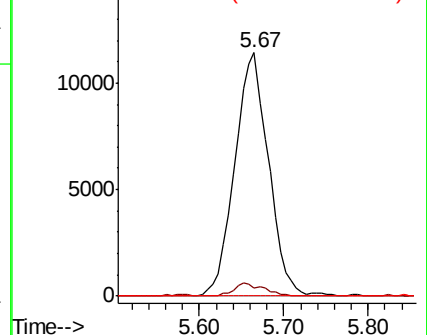
117 100

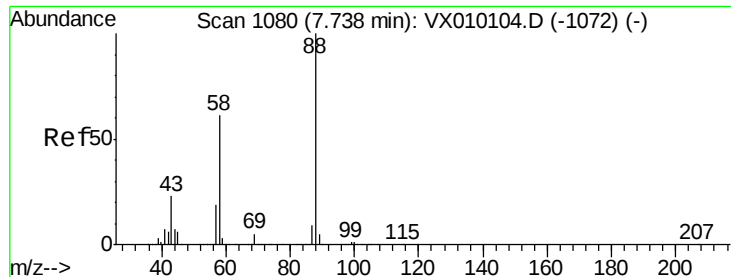
119 3.4 77.3 115.9#

121 0.0 25.4 38.0#



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

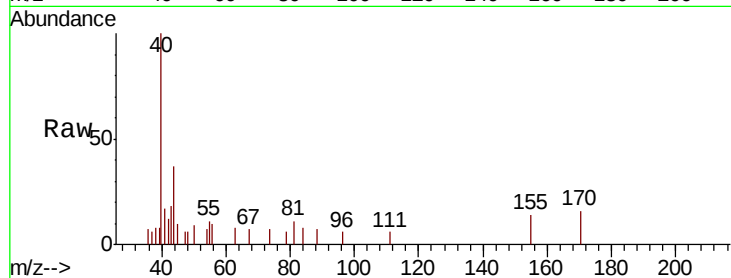




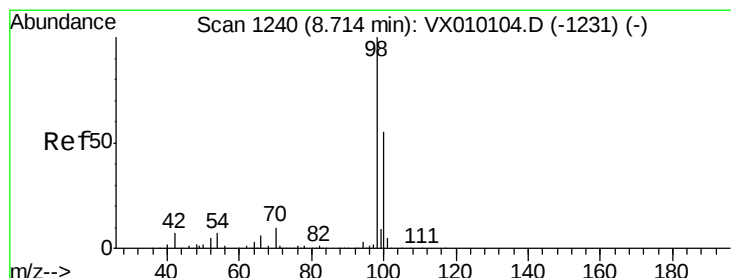
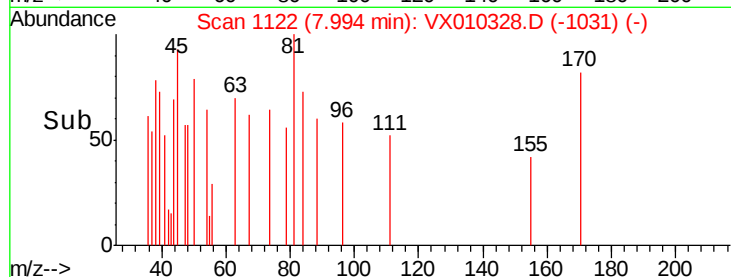
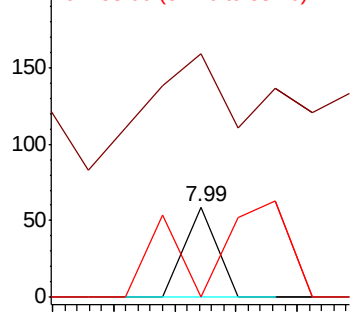
#49
 1,4-Dioxane
 Concen: 0.220 ug/l
 RT: 7.99 min Scan# 1122
 Delta R.T. 0.26 min
 Lab File: VX010328.D
 Acq: 17 Jun 2019 16:45

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 88 Resp: 22
 Ion Ratio Lower Upper
 88 100
 43 1631.8 30.2 45.4#
 58 281.8 64.0 96.0#

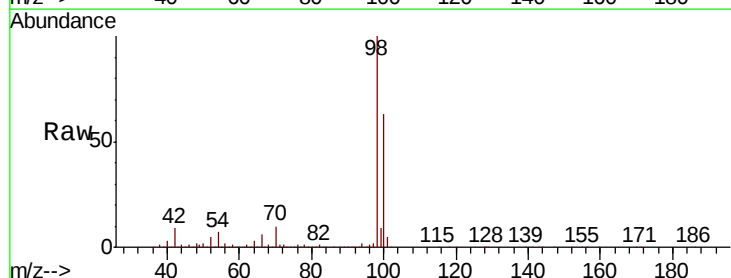


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

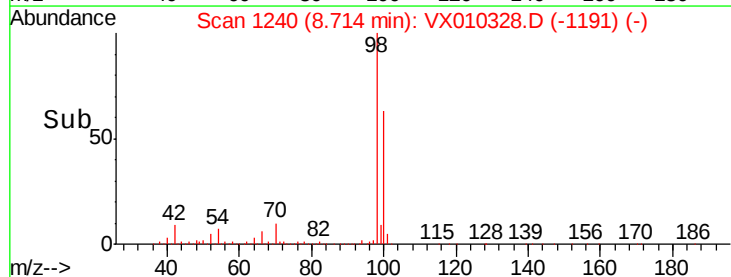
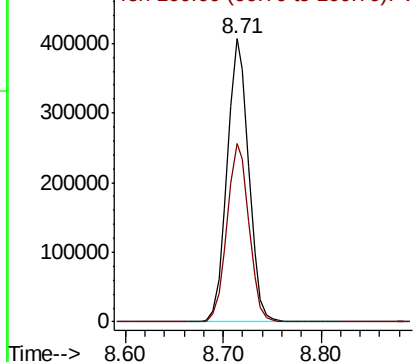


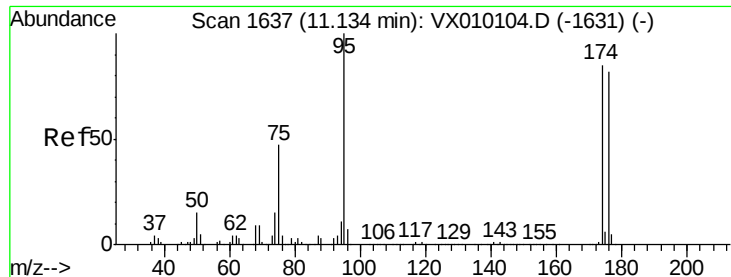
#50
 Toluene-d8
 Concen: 50.807 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX010328.D
 Acq: 17 Jun 2019 16:45

Tgt Ion: 98 Resp: 620650
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.5 77.3



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





#62

4-Bromofluorobenzene

Concen: 47.298 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010328.D

Acq: 17 Jun 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

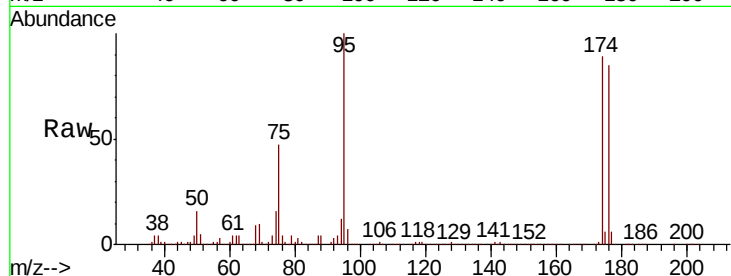
Tot Ion: 95 Resp: 215778

Ion Ratio Lower Upper

95 100

174 94.2 0.0 160.4

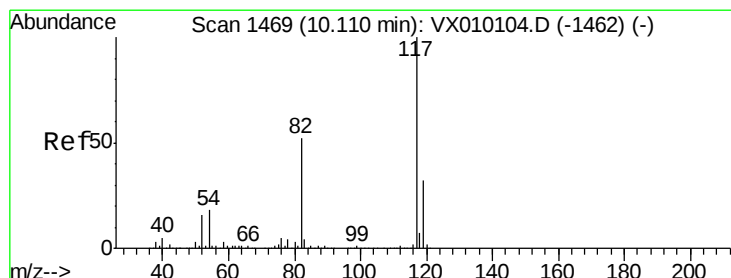
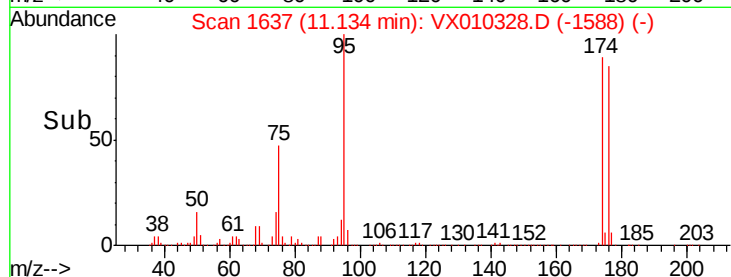
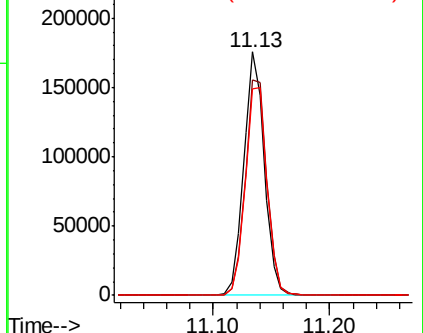
176 91.4 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX010104.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010104.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010104.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010328.D

Acq: 17 Jun 2019 16:45

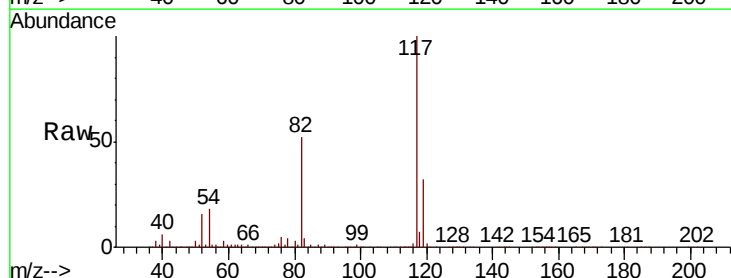
Tgt Ion: 117 Resp: 475216

Ion Ratio Lower Upper

117 100

82 52.0 49.2 73.8

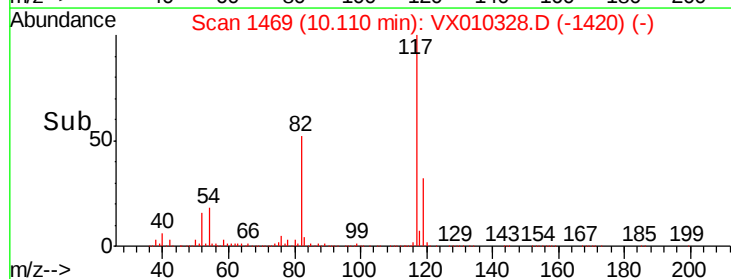
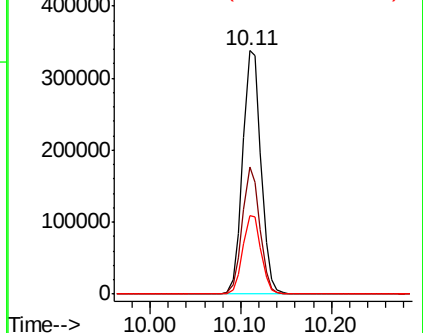
119 32.3 25.2 37.8

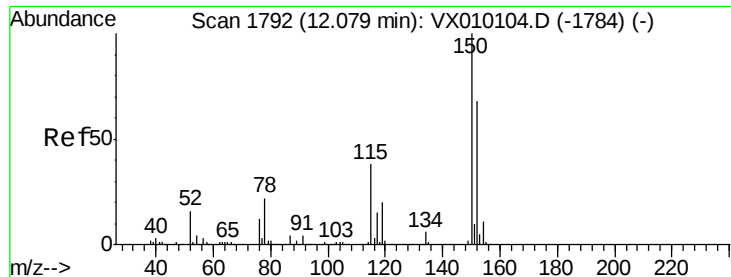


Abundance Ion 116.90 (116.60 to 117.60): VX010104.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010104.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010104.D (-1462) (-)



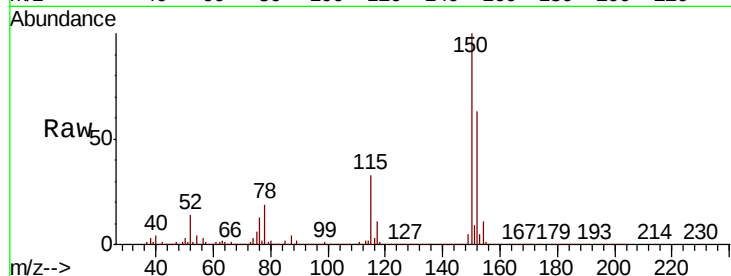


#72

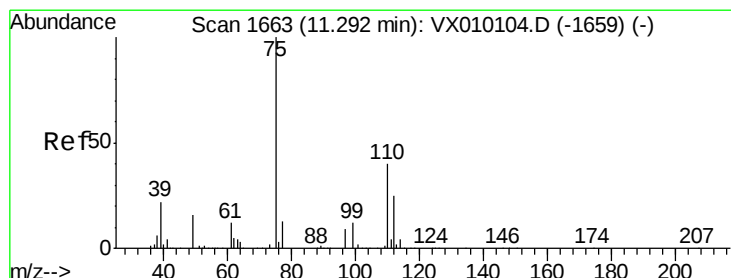
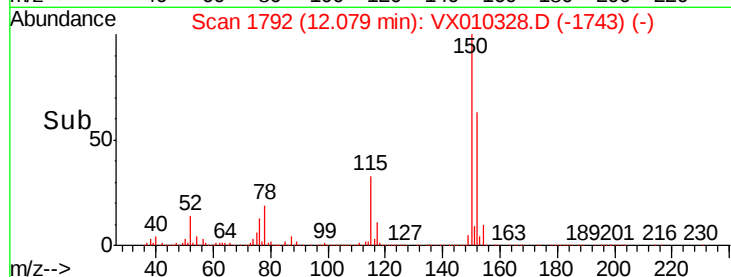
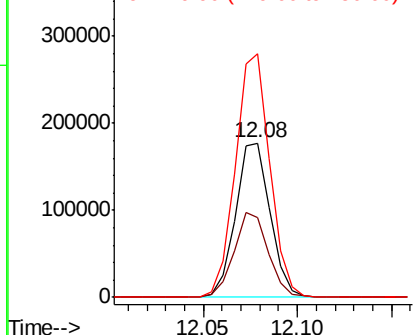
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010328.D
Acq: 17 Jun 2019 16:45

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 225461
Ion Ratio Lower Upper
152 100
115 54.2 41.4 124.2
150 157.2 0.0 345.2



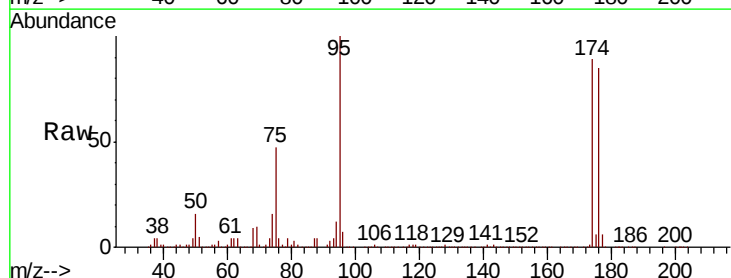
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



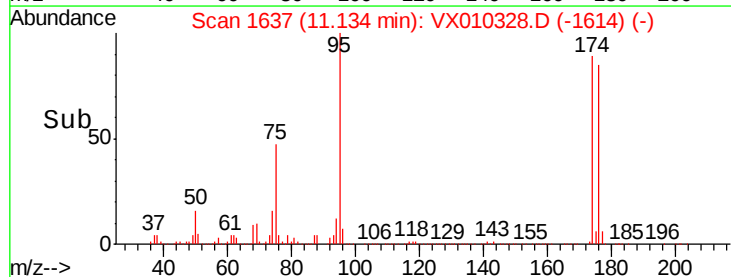
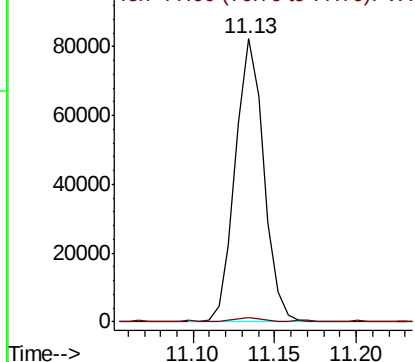
#76

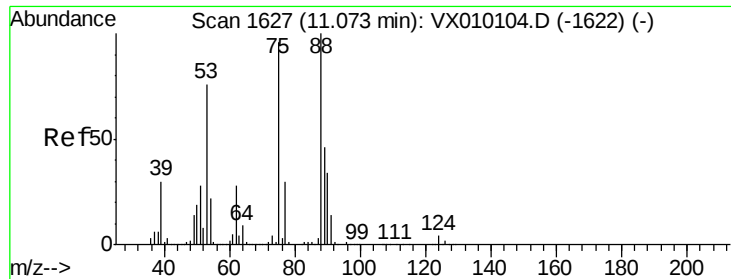
1,2,3-Trichloropropane
Concen: 22.240 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010328.D
Acq: 17 Jun 2019 16:45

Tgt Ion: 75 Resp: 100296
Ion Ratio Lower Upper
75 100
77 1.3 22.1 66.1#



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: 49.138 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010328.D

Acq: 17 Jun 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 100296

Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

89 0.0 34.2 51.4#

