

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061819\
 Data File : VX010339.D
 Acq On : 18 Jun 2019 13:39
 Operator : JC/SP
 Sample : K3427-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 19 01:17:20 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	5.66	168	309649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	470252	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	424118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192616	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	142523	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	
35) Dibromofluoromethane	5.50	113	142633	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
50) Toluene-d8	8.71	98	548850	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
62) 4-Bromofluorobenzene	11.13	95	184068	45.34	ug/l	0.00
Spiked Amount			Recovery	=	90.68%	

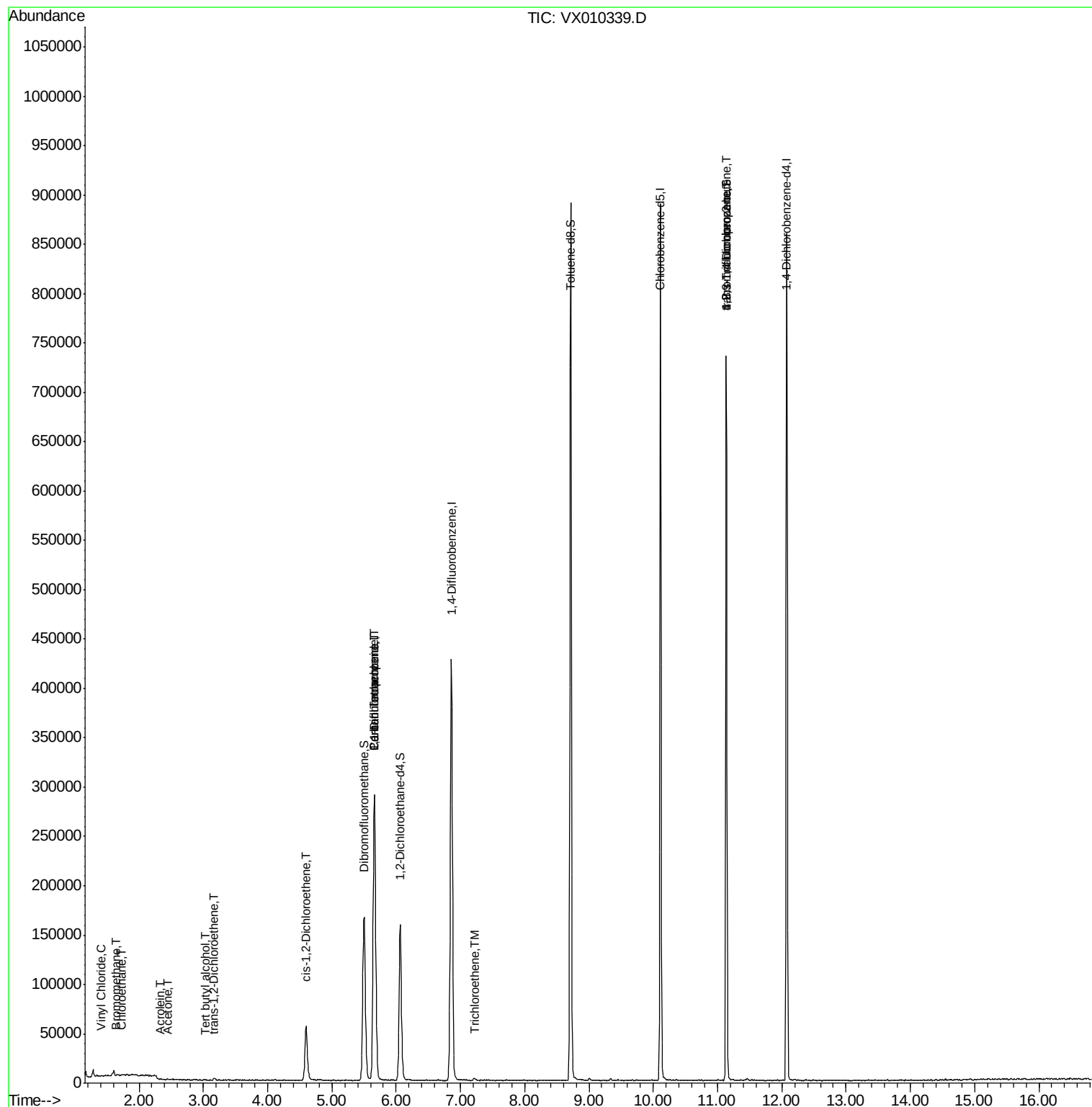
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	579	0.218	ug/l	89
5) Bromomethane	1.64	94	449	0.447	ug/l	81
6) Chloroethane	1.73	64	294	0.219	ug/l #	51
11) Tert butyl alcohol	3.03	59	270	0.365	ug/l #	1
13) Acrolein	2.32	56	104	0.770	ug/l #	67
16) Acetone	2.45	43	1019	0.717	ug/l #	84
21) trans-1,2-Dichloroethene	3.17	96	677	0.220	ug/l #	52
27) cis-1,2-Dichloroethene	4.60	96	38276	11.178	ug/l	69
36) 1,1-Dichloropropene	5.66	75	18890	4.924	ug/l #	52
38) Carbon Tetrachloride	5.66	117	27081	6.236	ug/l #	16
44) Trichloroethene	7.22	130	1085	0.303	ug/l	62
76) 1,2,3-Trichloropropane	11.13	75	86389	22.423	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	86389	49.542	ug/l #	10

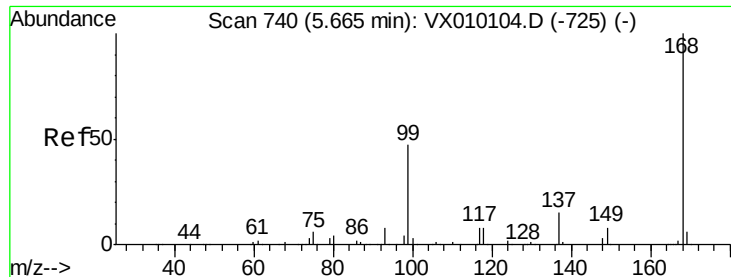
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 08 02:12:13 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: VX010339.D

Acq: 18 Jun 2019 13:39

Instrument :

MSVOA_X

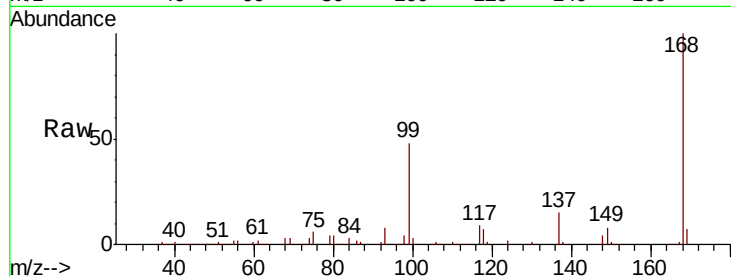
ClientSampleId :

Tot Ion:168 Resp: 309649

Ion Ratio Lower Upper

168 100

99 47.5 43.0 64.6



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

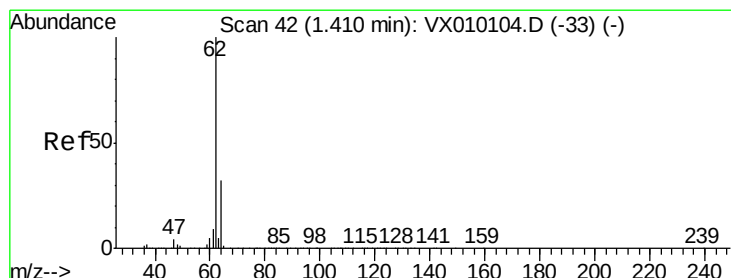
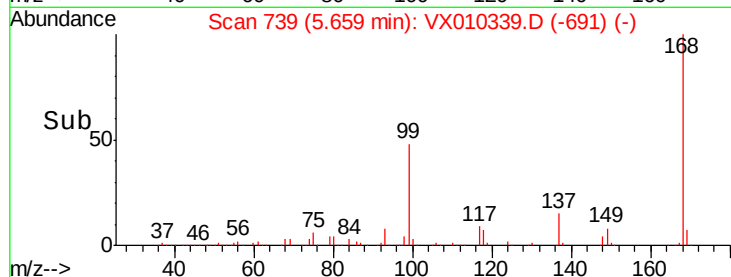
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.218 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010339.D

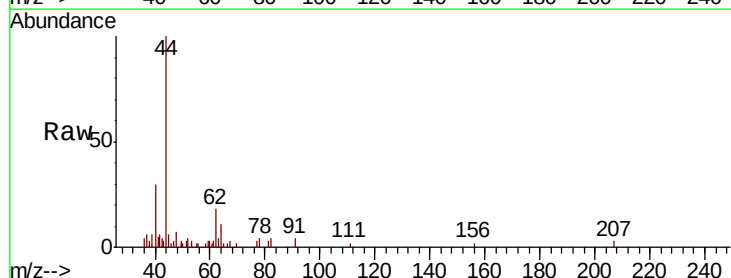
Acq: 18 Jun 2019 13:39

Tgt Ion: 62 Resp: 579

Ion Ratio Lower Upper

62 100

64 25.9 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

500

400

300

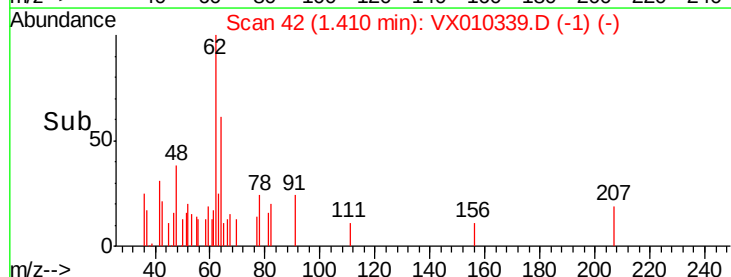
200

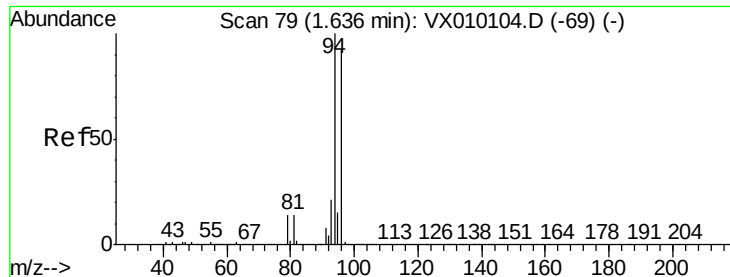
100

0

Time-->

1.40 1.45





#5

Bromomethane

Concen: 0.447 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010339.D

Acq: 18 Jun 2019 13:39

Instrument :

MSVOA_X

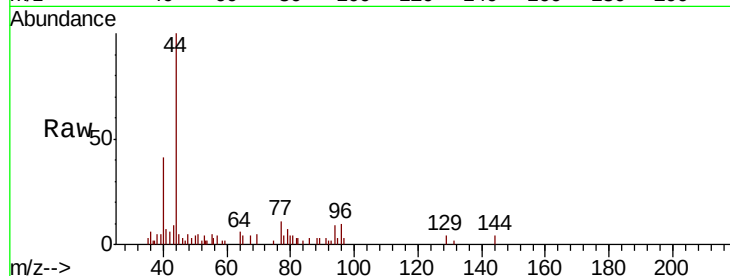
ClientSampleId :

Tot Ion: 94 Resp: 449

Ion Ratio Lower Upper

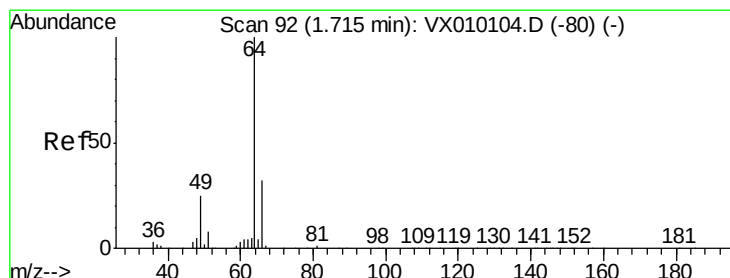
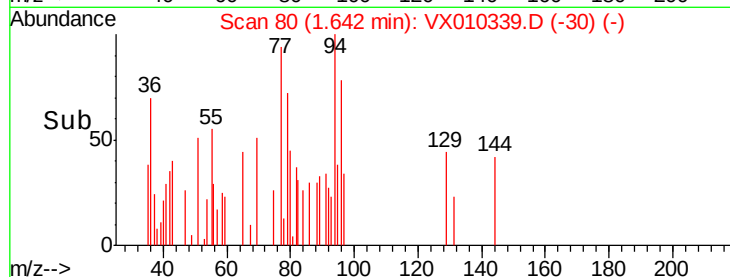
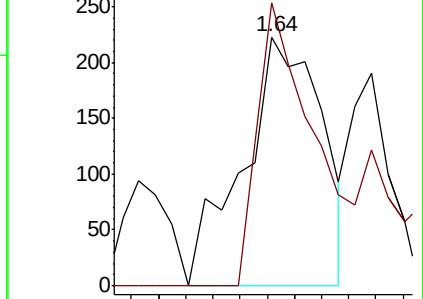
94 100

96 113.5 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.219 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX010339.D

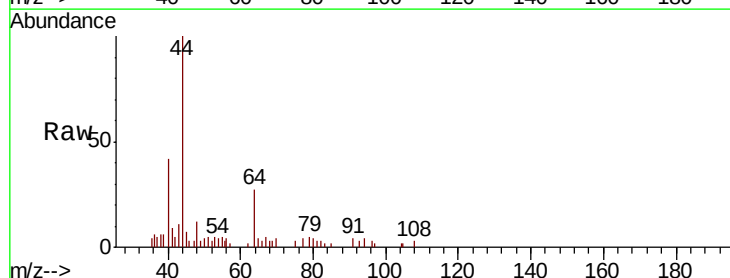
Acq: 18 Jun 2019 13:39

Tgt Ion: 64 Resp: 294

Ion Ratio Lower Upper

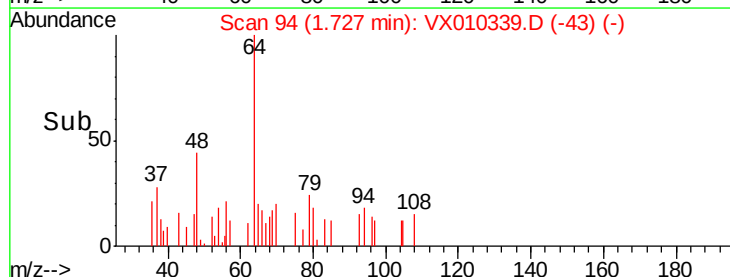
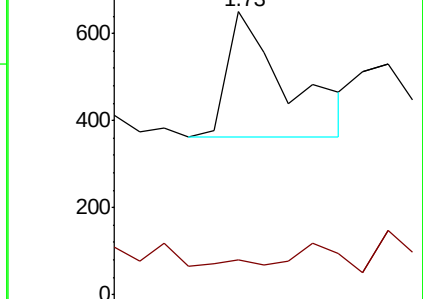
64 100

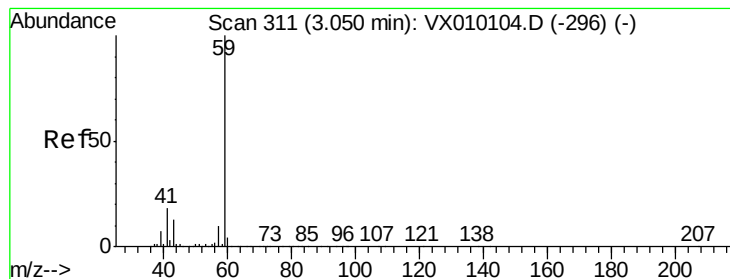
66 4.5 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



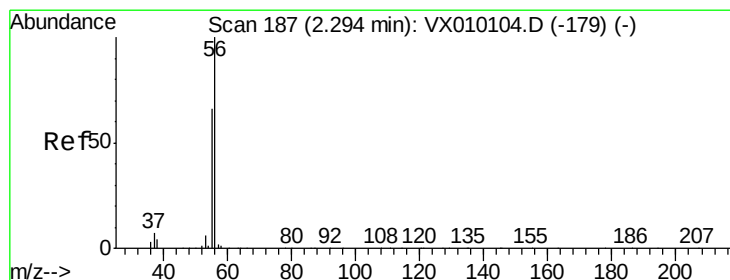
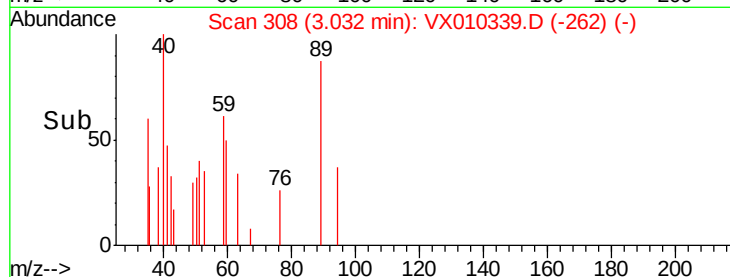
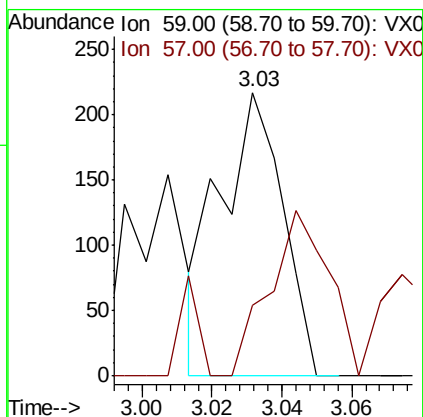
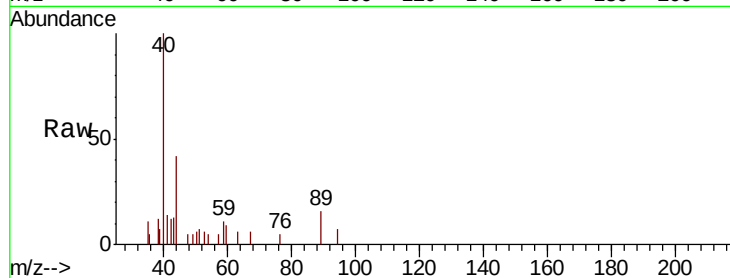


#11

Tert butyl alcohol
 Concen: 0.365 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. -0.02 min
 Lab File: VX010339.D
 Acq: 18 Jun 2019 13:39

Instrument :
 MSVOA_X
 ClientSampled :

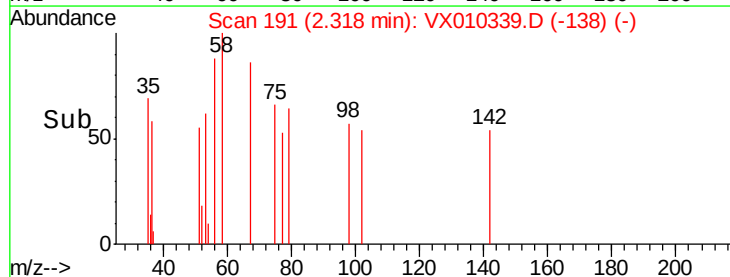
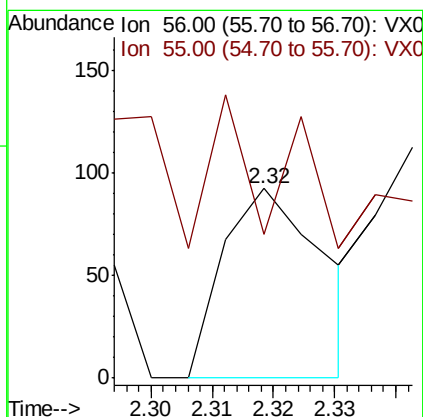
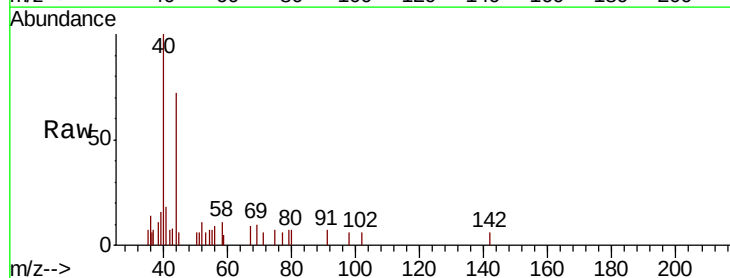
Tot Ion: 59 Resp: 270
 Ion Ratio Lower Upper
 59 100
 57 55.6 8.2 12.2#

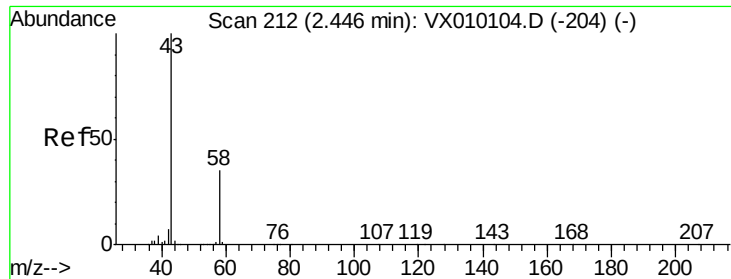


#13

Acrolein
 Concen: 0.770 ug/l
 RT: 2.32 min Scan# 191
 Delta R.T. 0.02 min
 Lab File: VX010339.D
 Acq: 18 Jun 2019 13:39

Tgt Ion: 56 Resp: 104
 Ion Ratio Lower Upper
 56 100
 55 44.2 57.0 85.4#





#16

Acetone

Concen: 0.717 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010339.D

Acq: 18 Jun 2019 13:39

Instrument :

MSVOA_X

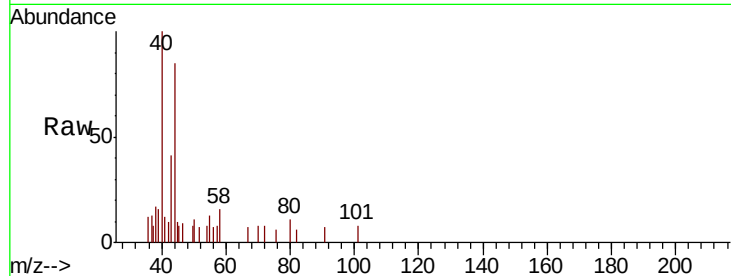
ClientSampled :

Tot Ion: 43 Resp: 1019

Ion Ratio Lower Upper

43 100

58 37.8 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

300

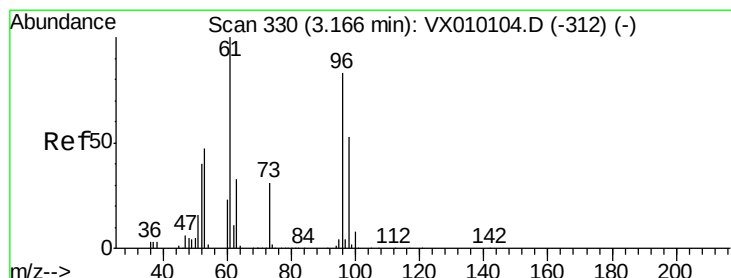
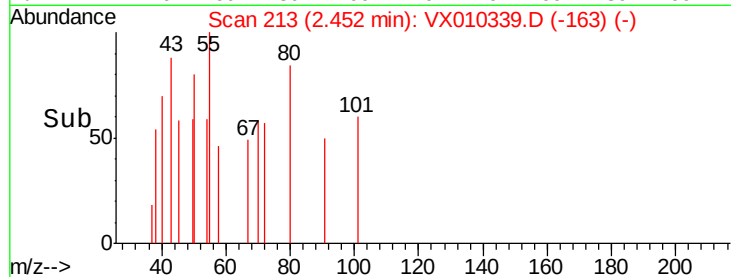
200

100

0

2.40 2.45 2.50

Time-->



#21

trans-1,2-Dichloroethene

Concen: 0.220 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX010339.D

Acq: 18 Jun 2019 13:39

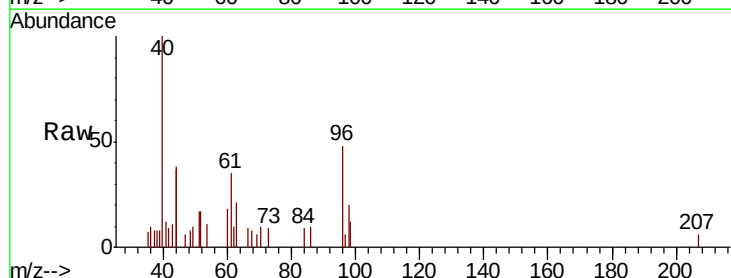
Tgt Ion: 96 Resp: 677

Ion Ratio Lower Upper

96 100

61 73.0 125.7 188.5#

98 66.1 49.0 73.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

3.17

400

300

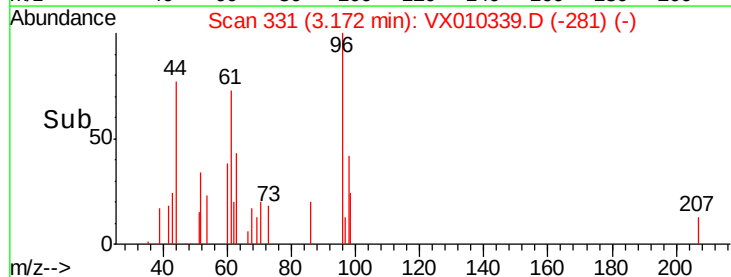
200

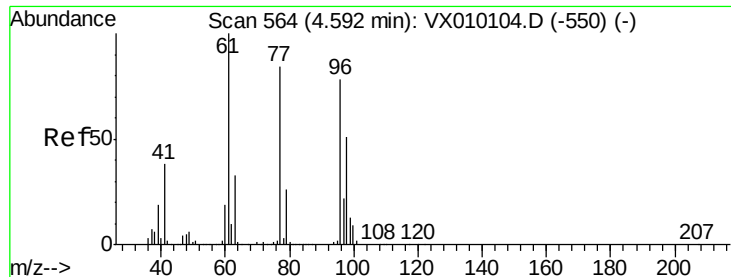
100

0

3.10 3.15 3.20

Time-->



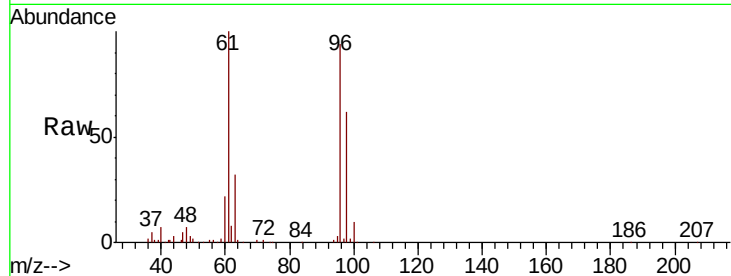


#27

cis-1,2-Dichloroethene
 Concen: 11.178 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX010339.D
 Acq: 18 Jun 2019 13:39

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	96	Resp	38276
Ion	Ratio	Lower	Upper
96	100		
61	108.5	0.0	334.0
98	65.0	0.0	131.6

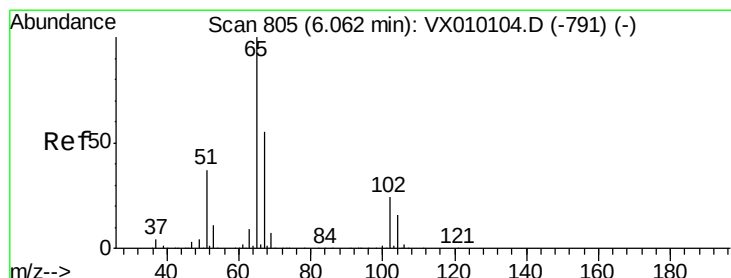
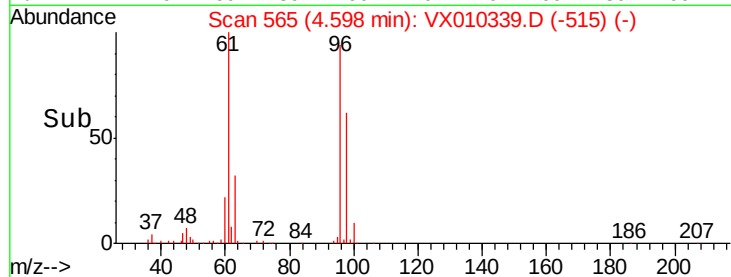
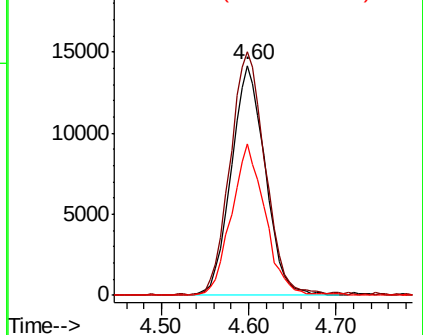


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

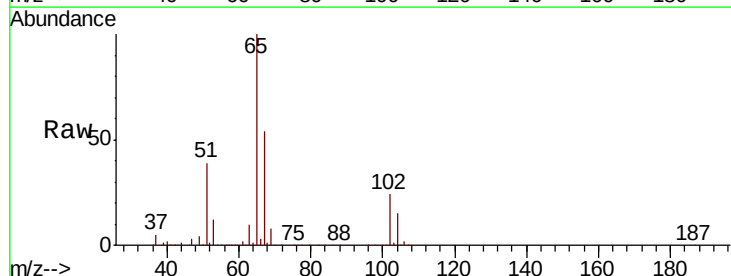
Ion 97.90 (97.60 to 98.60): VX0



#33

1,2-Dichloroethane-d4
 Concen: 47.154 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010339.D
 Acq: 18 Jun 2019 13:39

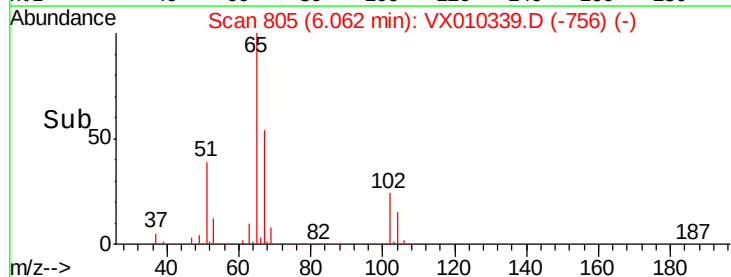
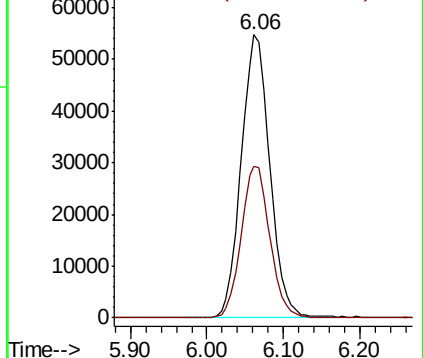
Tgt Ion	65	Resp	142523
Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	108.4

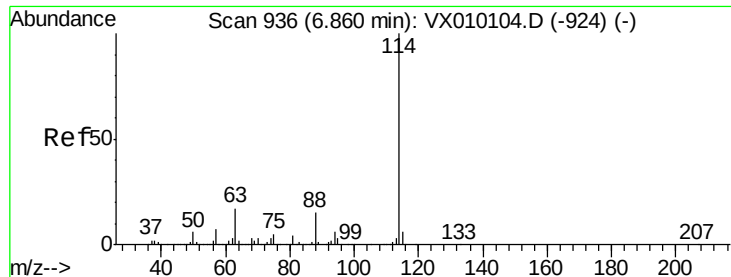


Abundance

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: VX010339.D

Acq: 18 Jun 2019 13:39

Instrument :

MSVOA_X

ClientSampled :

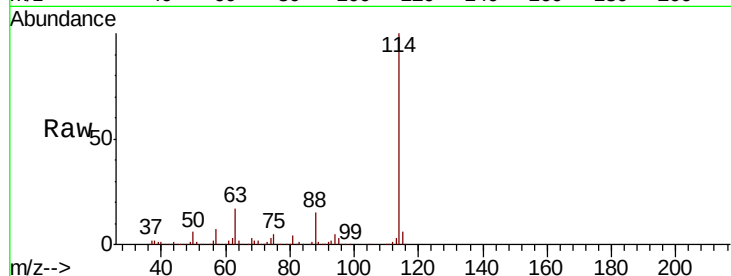
Tot Ion:114 Resp: 470252

Ion Ratio Lower Upper

114 100

63 17.2 0.0 47.4

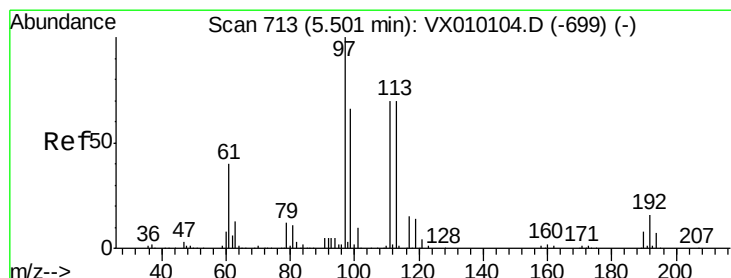
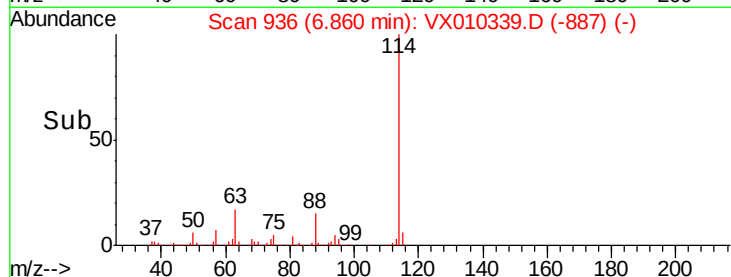
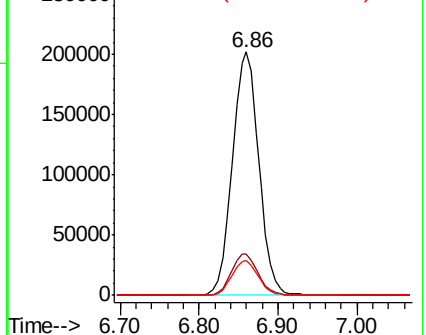
88 14.6 0.0 33.0



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: 49.173 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010339.D

Acq: 18 Jun 2019 13:39

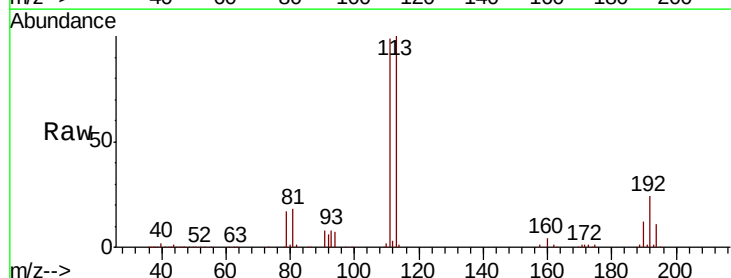
Tgt Ion:113 Resp: 142633

Ion Ratio Lower Upper

113 100

111 101.4 82.2 123.2

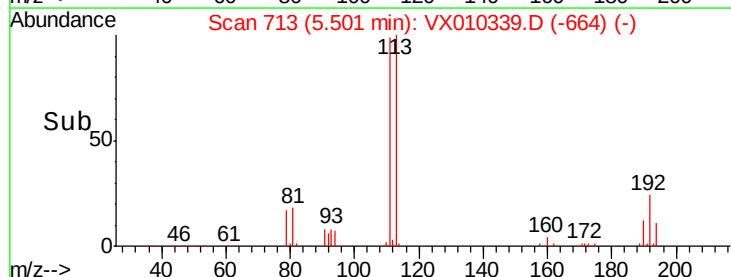
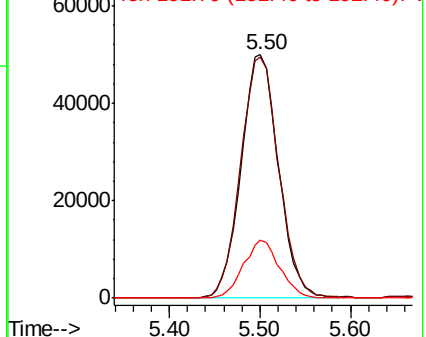
192 23.2 17.1 25.7

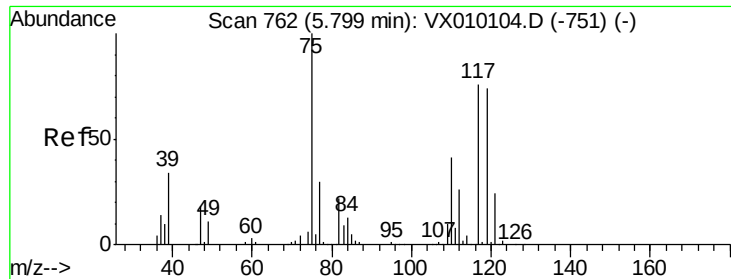


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

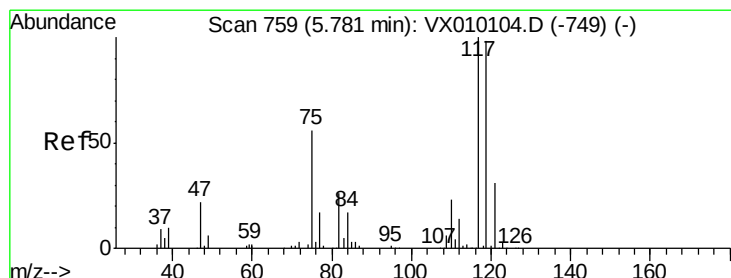
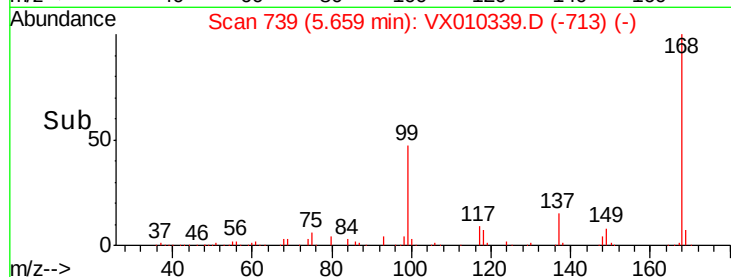
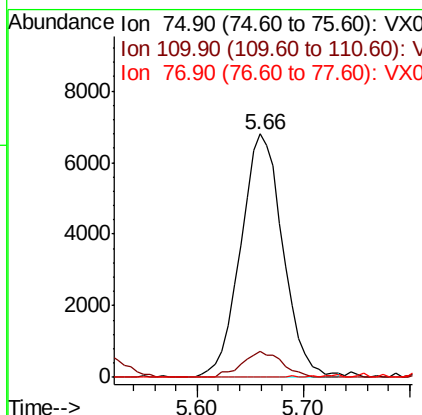
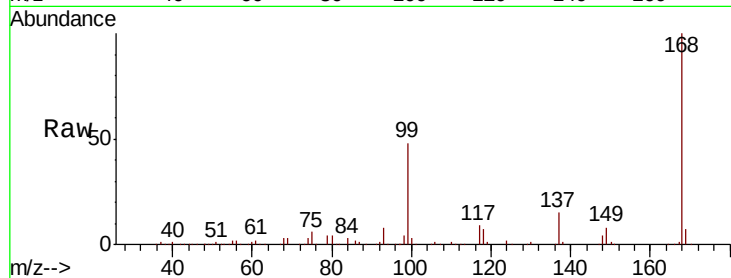




#36
 1,1-Dichloropropene
 Concen: 4.924 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010339.D
 Acq: 18 Jun 2019 13:39

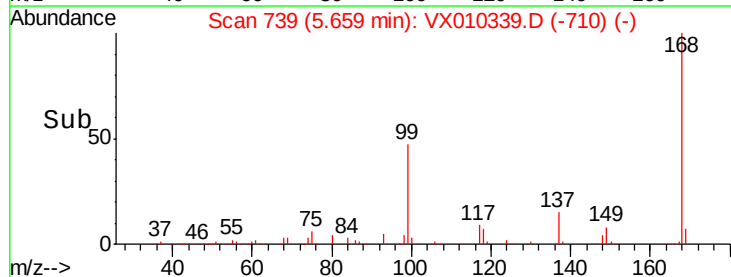
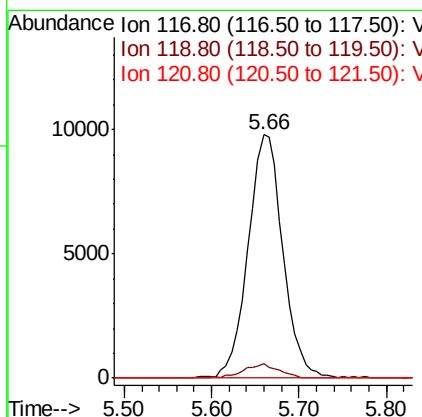
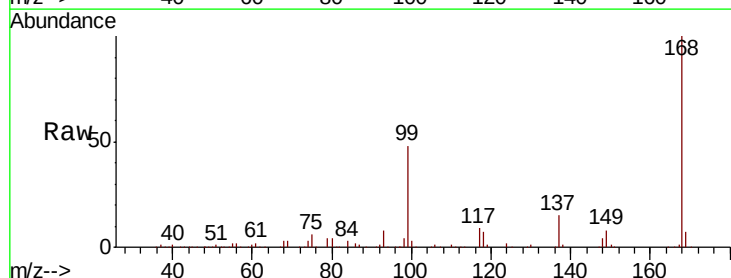
Instrument :
 MSVOA_X
 ClientSampleId :

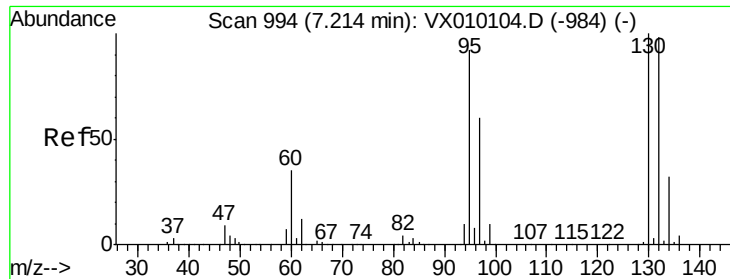
Tot Ion: 75 Resp: 18890
 Ion Ratio Lower Upper
 75 100
 110 10.2 16.7 50.1#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.236 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX010339.D
 Acq: 18 Jun 2019 13:39

Tgt Ion: 117 Resp: 27081
 Ion Ratio Lower Upper
 117 100
 119 5.8 77.3 115.9#
 121 0.0 25.4 38.0#





#44

Trichloroethene

Concen: 0.303 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX010339.D

Acq: 18 Jun 2019 13:39

Instrument :

MSVOA_X

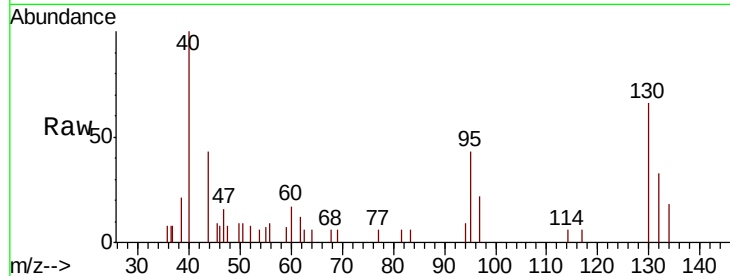
ClientSampleId :

Tot Ion:130 Resp: 1085

Ion Ratio Lower Upper

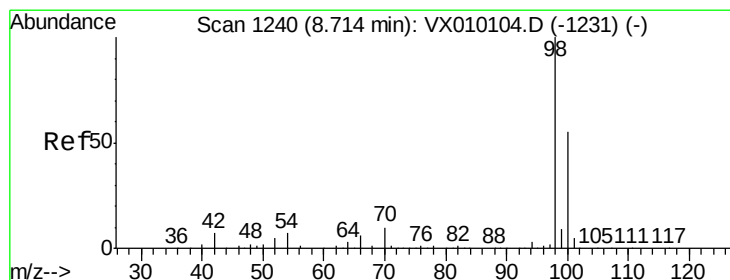
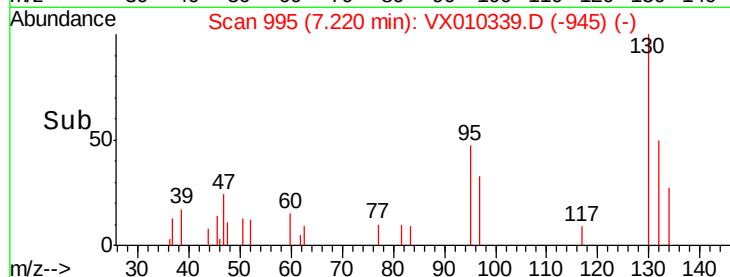
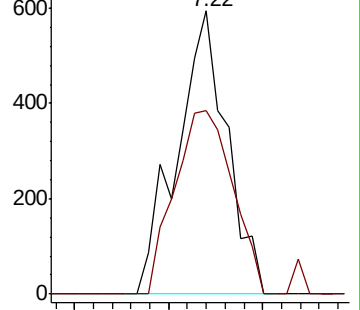
130 100

95 64.6 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 50.487 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010339.D

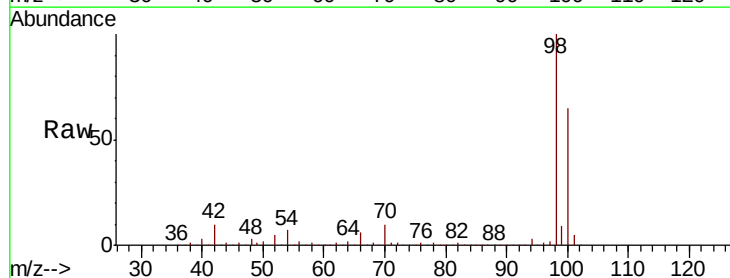
Acq: 18 Jun 2019 13:39

Tgt Ion: 98 Resp: 548850

Ion Ratio Lower Upper

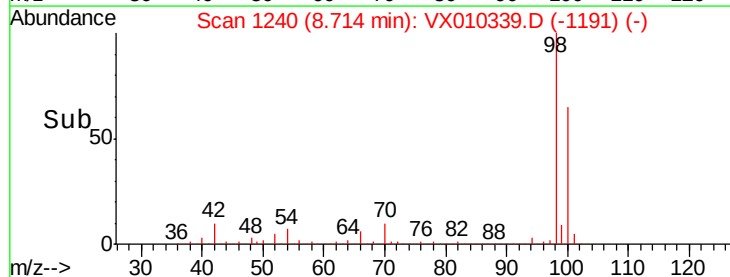
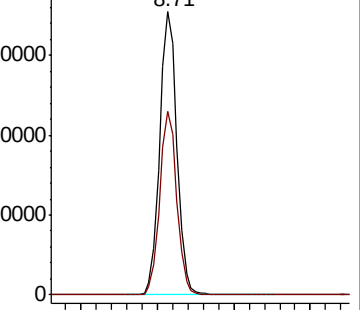
98 100

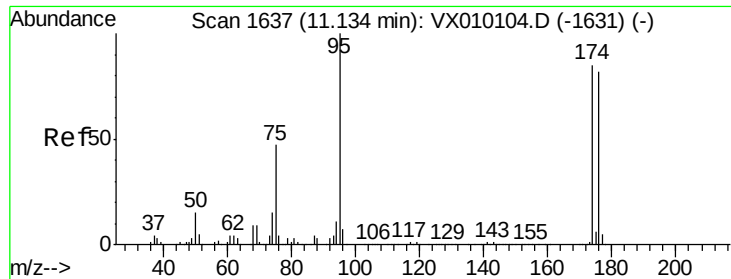
100 64.3 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

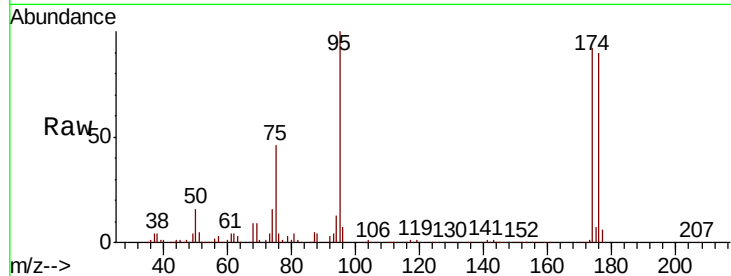




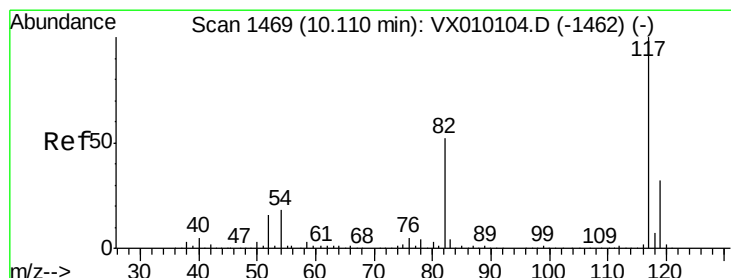
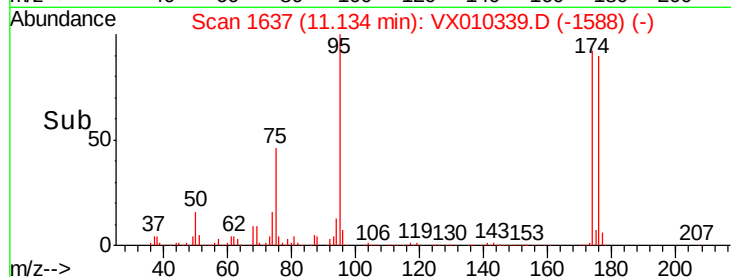
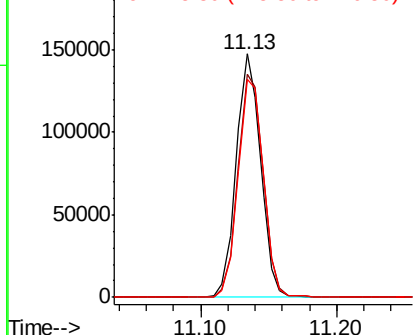
#62
4-Bromofluorobenzene
Concen: 45.338 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010339.D
Acq: 18 Jun 2019 13:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 184068
Ion Ratio Lower Upper
95 100
174 94.8 0.0 160.4
176 93.1 0.0 154.6

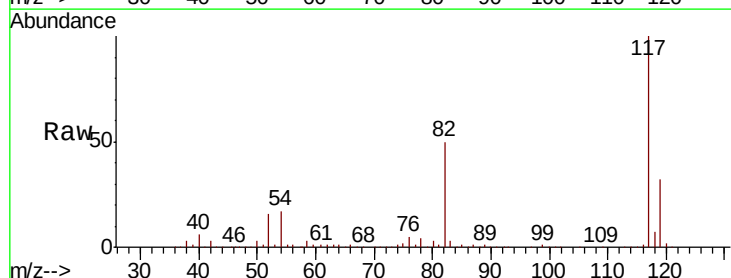


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

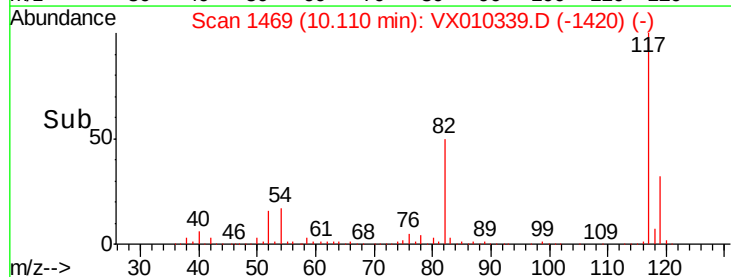
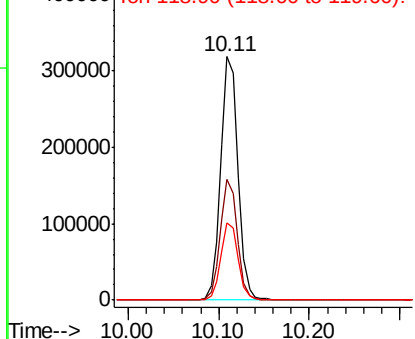


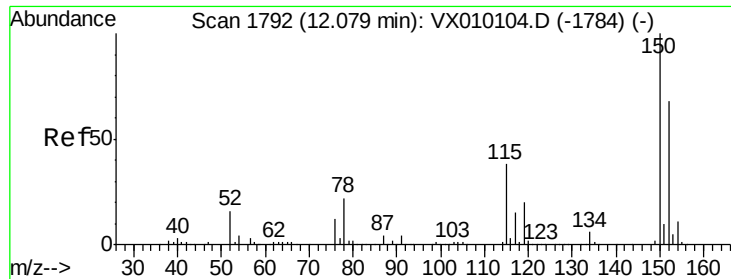
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010339.D
Acq: 18 Jun 2019 13:39

Tgt Ion: 117 Resp: 424118
Ion Ratio Lower Upper
117 100
82 49.6 49.2 73.8
119 31.8 25.2 37.8



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: VX010339.D

Acq: 18 Jun 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

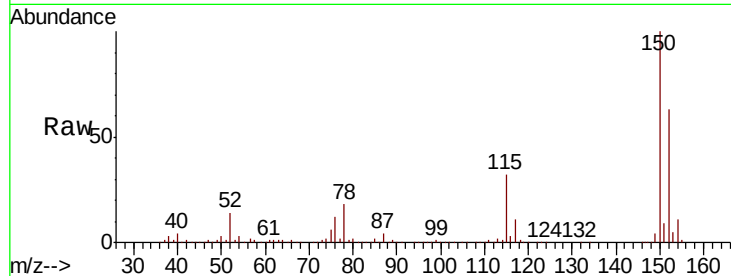
Tot Ion:152 Resp: 192616

Ion Ratio Lower Upper

152 100

115 53.7 41.4 124.2

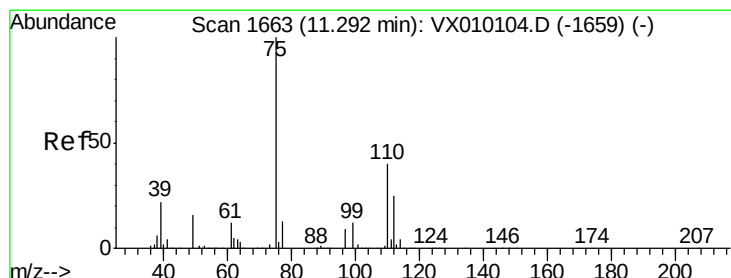
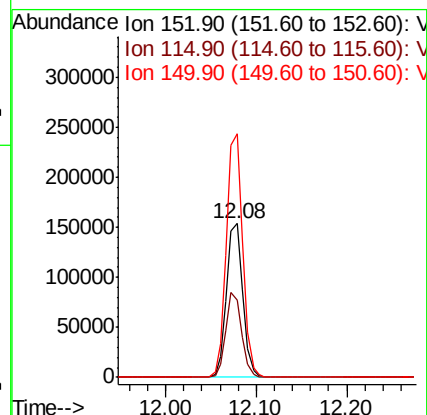
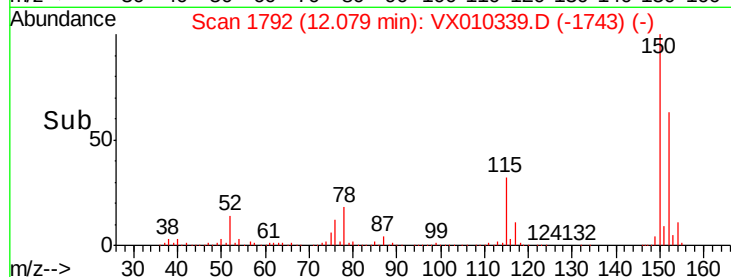
150 158.5 0.0 345.2



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: 22.423 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010339.D

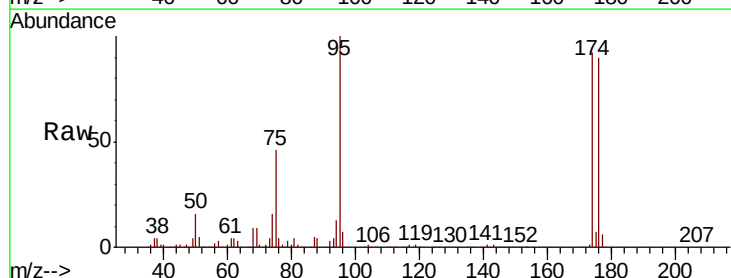
Acq: 18 Jun 2019 13:39

Tgt Ion: 75 Resp: 86389

Ion Ratio Lower Upper

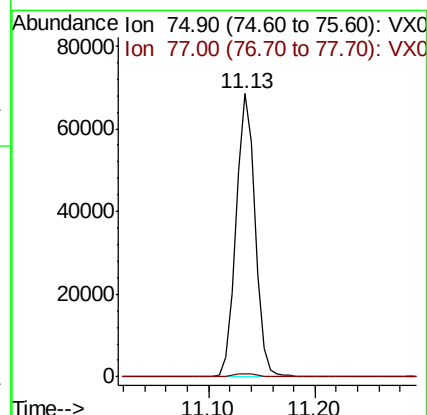
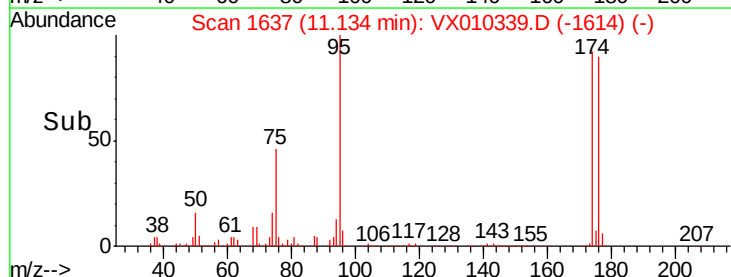
75 100

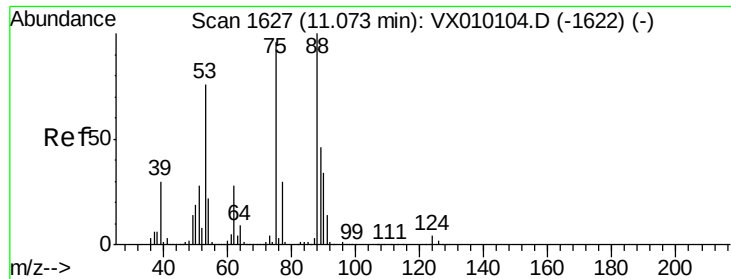
77 1.4 22.1 66.1#



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: 49.542 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010339.D

Acq: 18 Jun 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 86389

Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

89 0.0 34.2 51.4#

