

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062619\
 Data File : VX010466.D
 Acq On : 26 Jun 2019 16:33
 Operator : JC/SP
 Sample : K3527-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 01:13:38 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

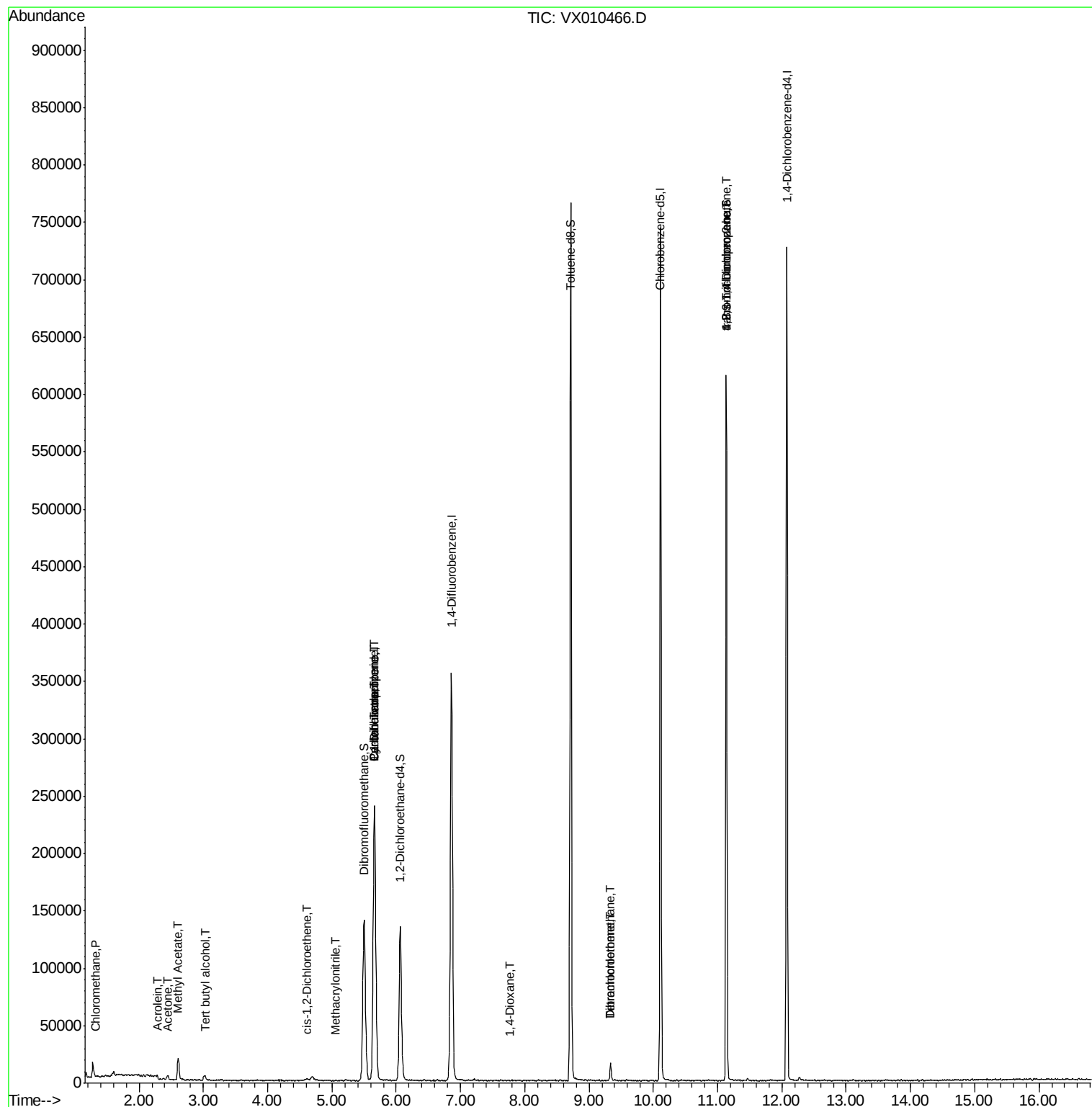
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	253404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	390953	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	358727	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	164919	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	121580	51.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.34%	
35) Dibromofluoromethane	5.50	113	119747	50.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.12%	
50) Toluene-d8	8.71	98	462448	50.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.06%	
62) 4-Bromofluorobenzene	11.13	95	152179	46.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.12%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	503	0.245	ug/l	89
11) Tert butyl alcohol	3.03	59	2672	4.298	ug/l #	90
13) Acrolein	2.28	56	112	0.272	ug/l	88
16) Acetone	2.44	43	4585	3.851	ug/l	100
18) Methyl Acetate	2.60	43	4836	2.038	ug/l #	48
27) cis-1,2-Dichloroethene	4.60	96	1037	0.380	ug/l	87
31) Cyclohexane	5.67	56	4515	1.316	ug/l #	35
36) 1,1-Dichloropropene	5.66	75	15512	4.993	ug/l #	48
38) Carbon Tetrachloride	5.66	117	21909	6.512	ug/l #	14
41) Methacrylonitrile	5.06	41	351	0.200	ug/l #	44
49) 1,4-Dioxane	7.76	88	42	0.593	ug/l #	1
60) Dibromochloromethane	9.34	129	2863	0.973	ug/l #	11
64) Tetrachloroethene	9.34	164	3027	1.043	ug/l	88
76) 1,2,3-Trichloropropane	11.13	75	72708	24.194	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	72708	56.441	ug/l #	16

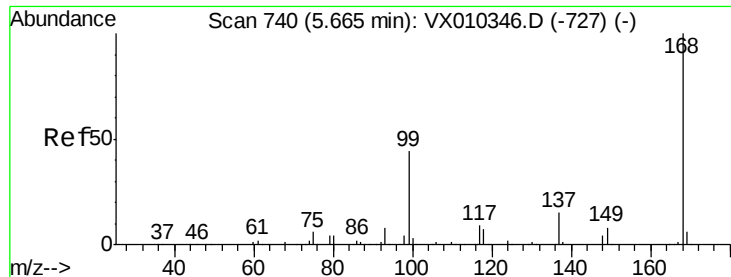
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
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: VX010466.D

Acq: 26 Jun 2019 16:33

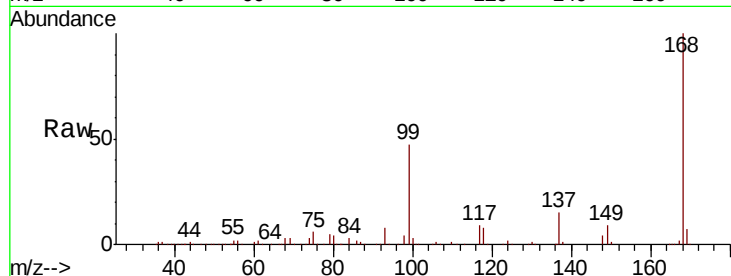
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 253404

Ion Ratio Lower Upper

168 100

99 46.6 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

80000

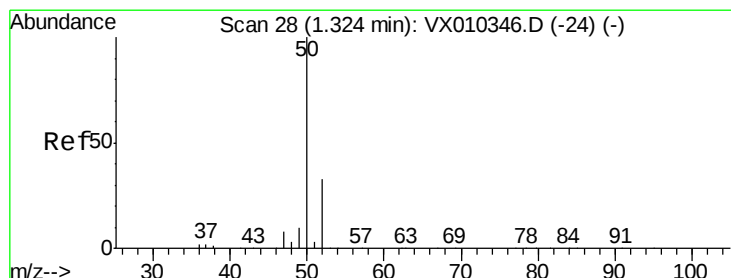
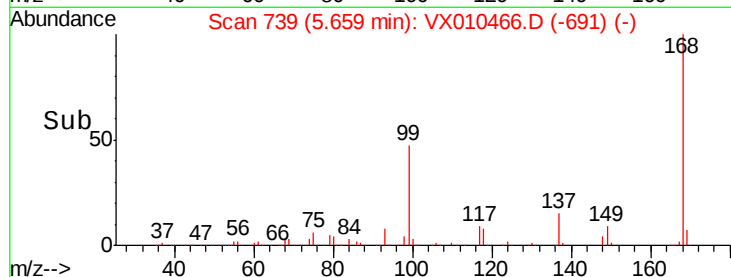
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.245 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010466.D

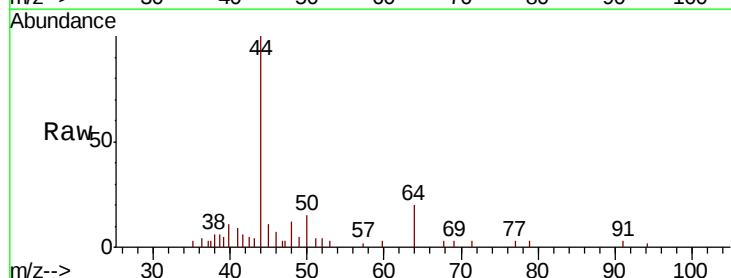
Acq: 26 Jun 2019 16:33

Tgt Ion: 50 Resp: 503

Ion Ratio Lower Upper

50 100

52 27.1 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

400

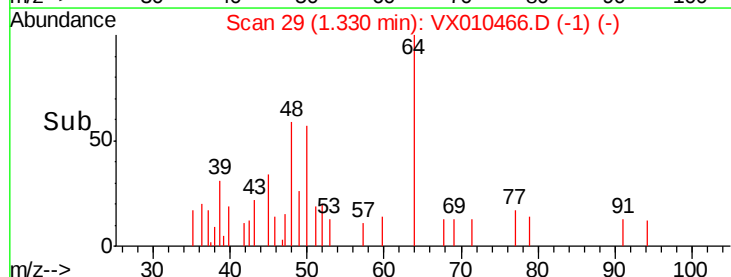
300

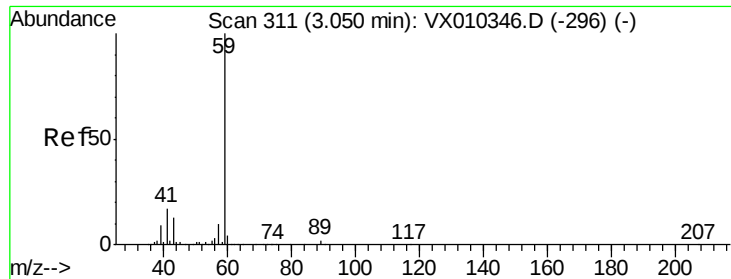
200

100

0

Time--> 1.30 1.35

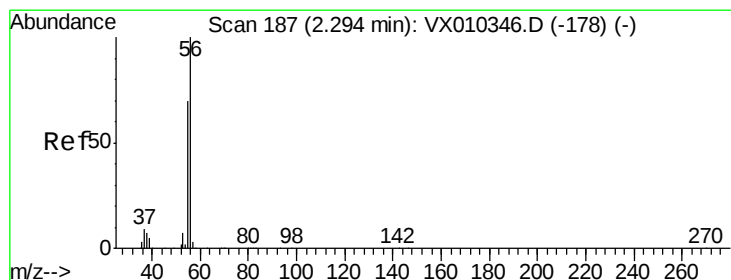
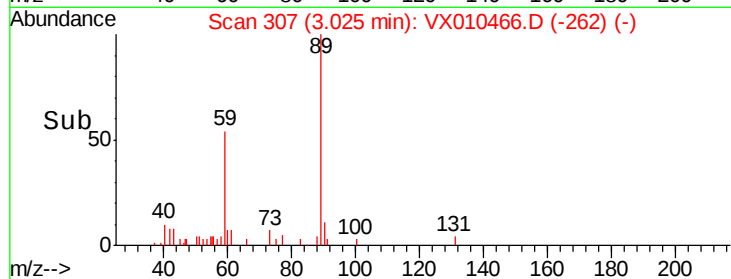
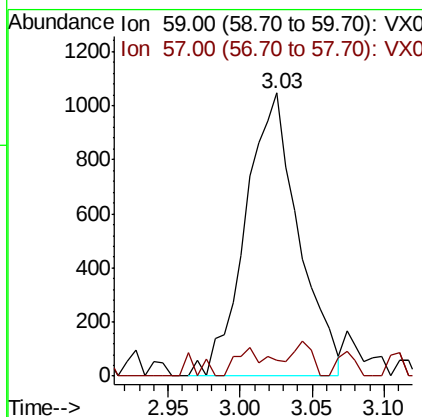
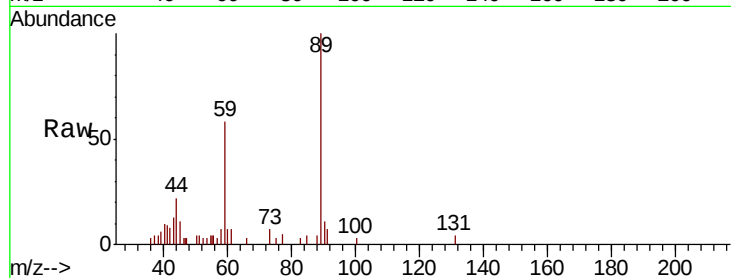




#11
Tert butyl alcohol
Concen: 4.298 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX010466.D
Acq: 26 Jun 2019 16:33

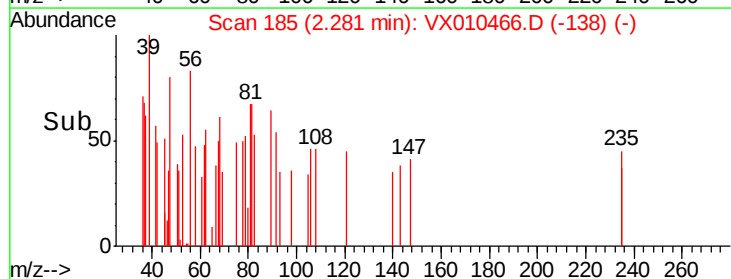
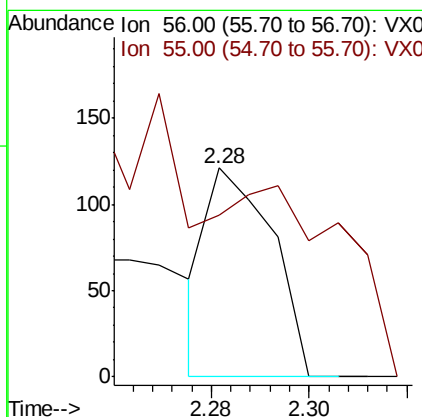
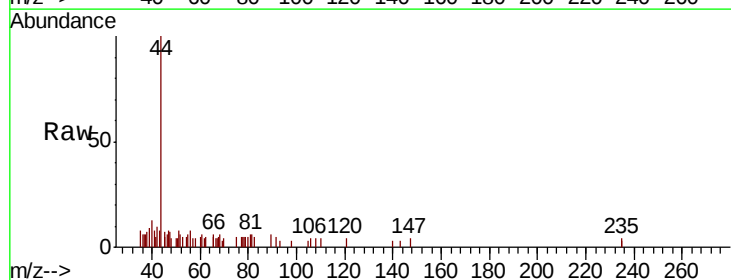
Instrument :
MSVOA_X
ClientSampleId :

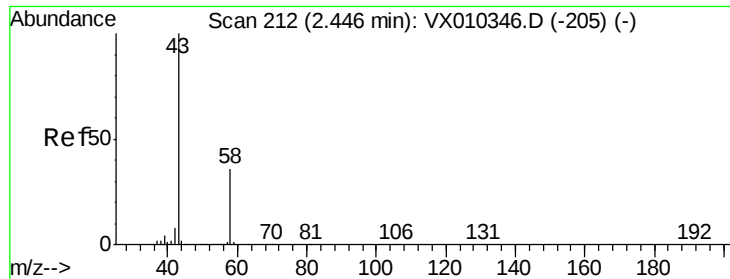
Tot Ion: 59 Resp: 2672
Ion Ratio Lower Upper
59 100
57 6.0 7.7 11.5#



#13
Acrolein
Concen: 0.272 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX010466.D
Acq: 26 Jun 2019 16:33

Tgt Ion: 56 Resp: 112
Ion Ratio Lower Upper
56 100
55 81.3 56.9 85.3





#16

Acetone

Concen: 3.851 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010466.D

Acq: 26 Jun 2019 16:33

Instrument :

MSVOA_X

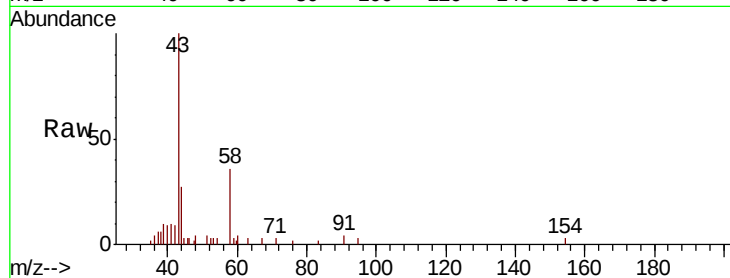
ClientSampleId :

Tot Ion: 43 Resp: 4585

Ion Ratio Lower Upper

43 100

58 36.4 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2500

2000

1500

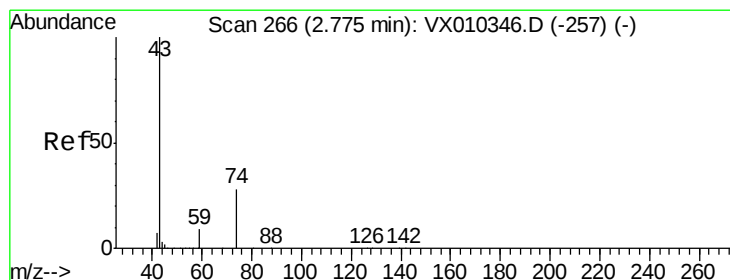
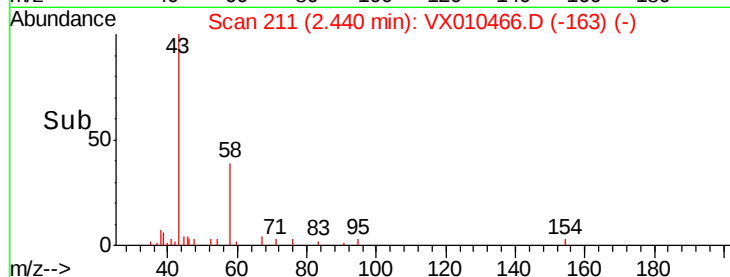
1000

500

0

2.35 2.40 2.45 2.50

Time-->



#18

Methyl Acetate

Concen: 2.038 ug/l

RT: 2.60 min Scan# 238

Delta R.T. -0.17 min

Lab File: VX010466.D

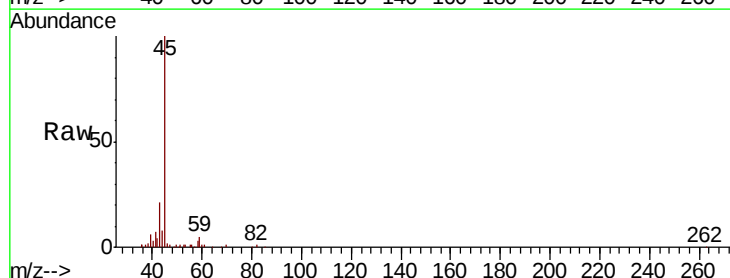
Acq: 26 Jun 2019 16:33

Tgt Ion: 43 Resp: 4836

Ion Ratio Lower Upper

43 100

74 0.0 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

3000

2500

2000

1500

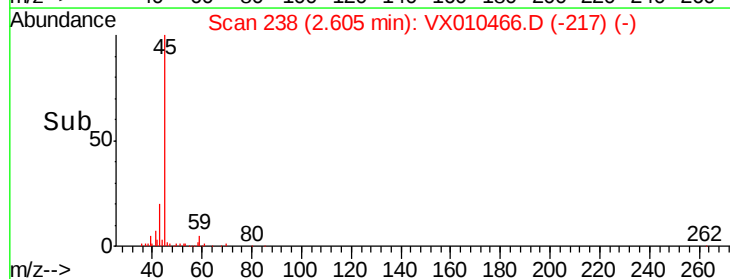
1000

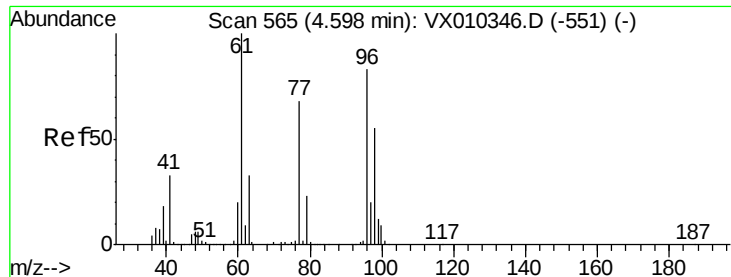
500

0

2.55 2.60 2.65 2.70

Time-->



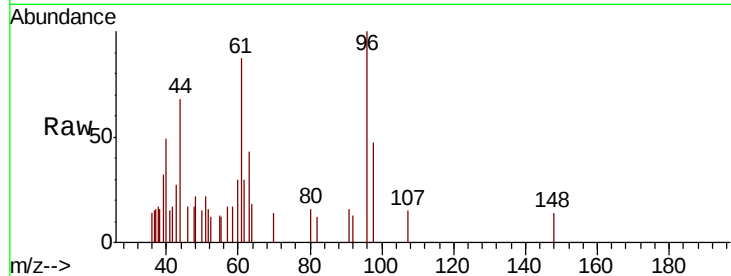


#27

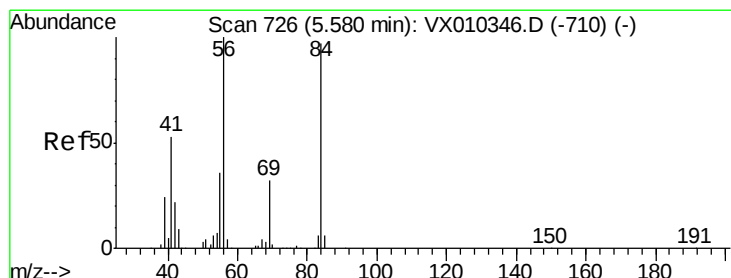
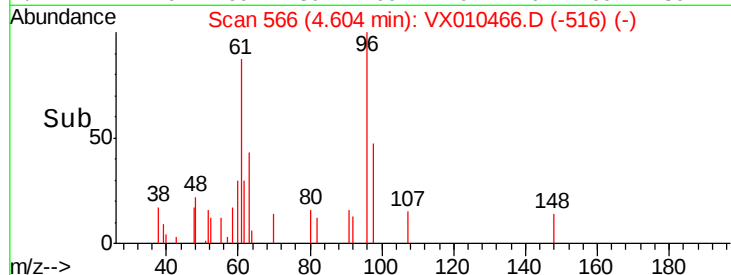
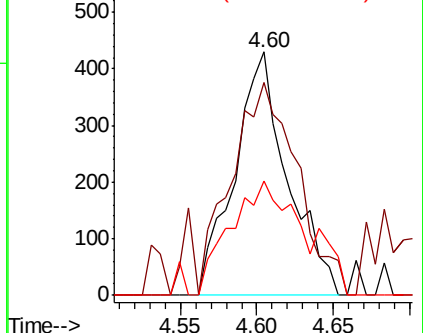
cis-1,2-Dichloroethene
Concen: 0.380 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX010466.D
Acq: 26 Jun 2019 16:33

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	109.0	0.0	251.8
98	56.5	0.0	129.4



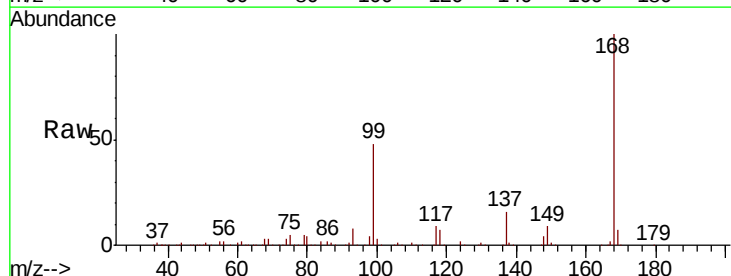
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



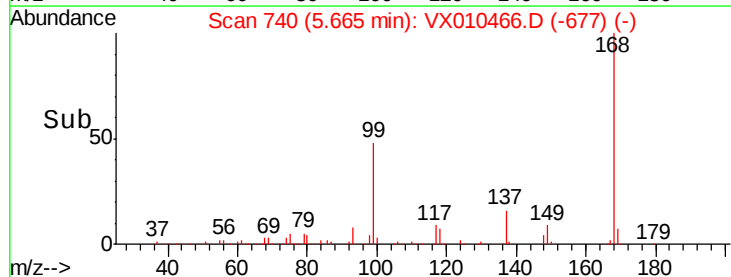
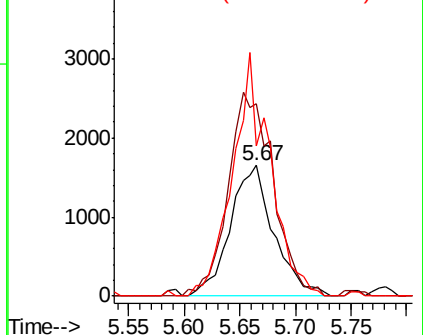
#31

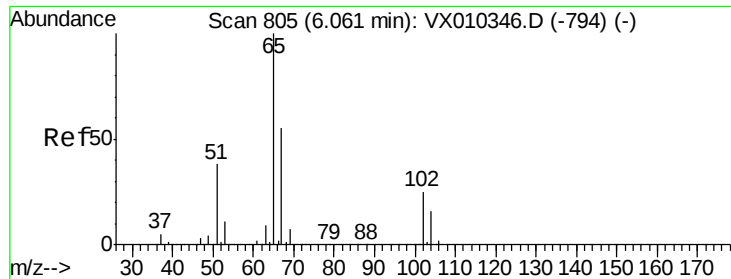
Cyclohexane
Concen: 1.316 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX010466.D
Acq: 26 Jun 2019 16:33

Tgt Ion	Ratio	Lower	Upper
56	100		
69	147.4	25.9	38.9#
84	115.0	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: 51.172 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010466.D

Acq: 26 Jun 2019 16:33

Instrument :

MSVOA_X

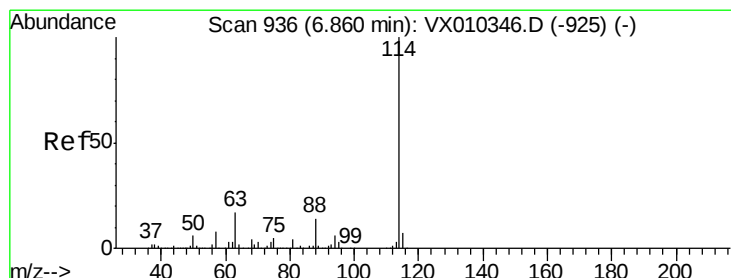
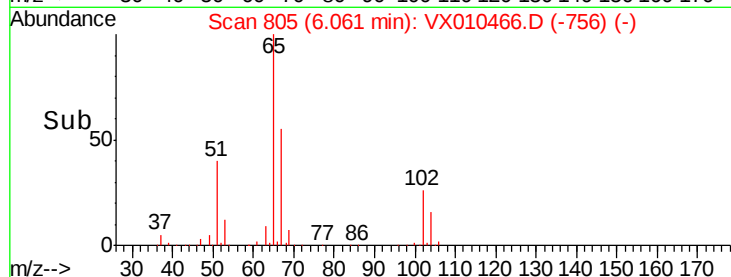
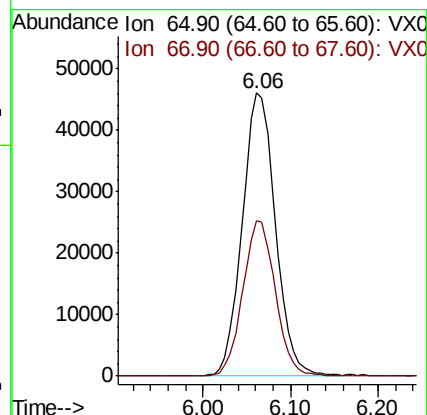
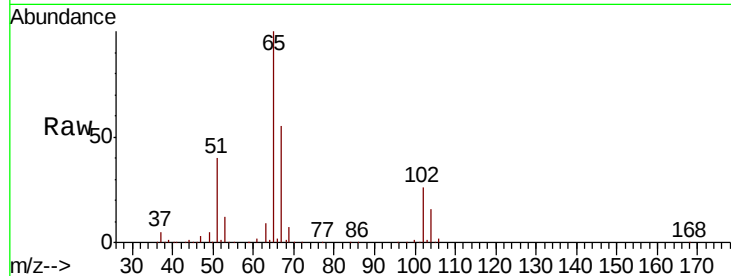
ClientSampled :

Tot Ion: 65 Resp: 121580

Ion Ratio Lower Upper

65 100

67 53.9 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010466.D

Acq: 26 Jun 2019 16:33

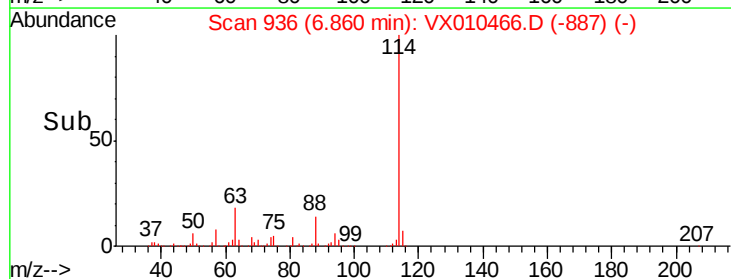
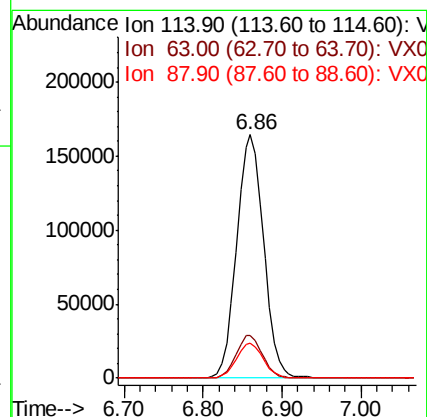
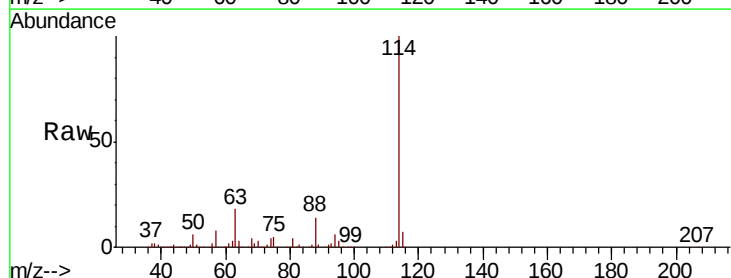
Tgt Ion: 114 Resp: 390953

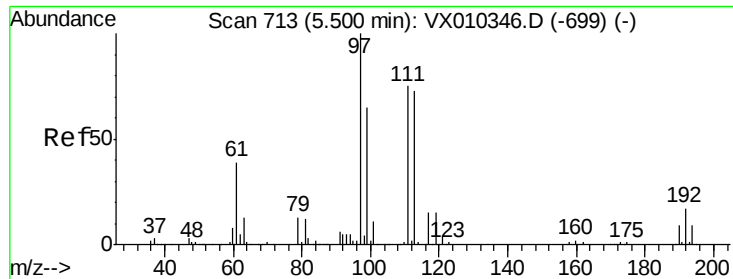
Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.8

88 14.3 0.0 27.6





#35

Dibromofluoromethane

Concen: 50.062 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010466.D

Acq: 26 Jun 2019 16:33

Instrument :

MSVOA_X

ClientSampled :

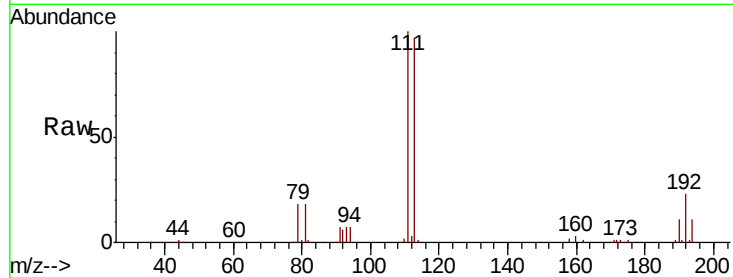
Tot Ion:113 Resp: 119747

Ion Ratio Lower Upper

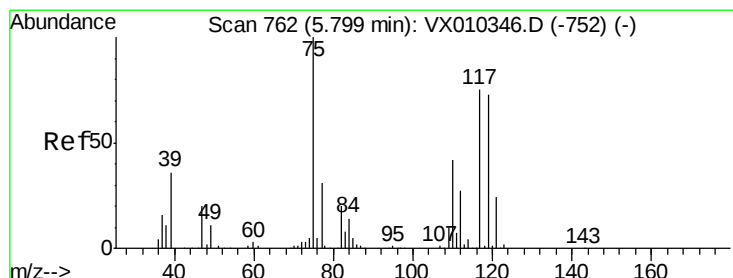
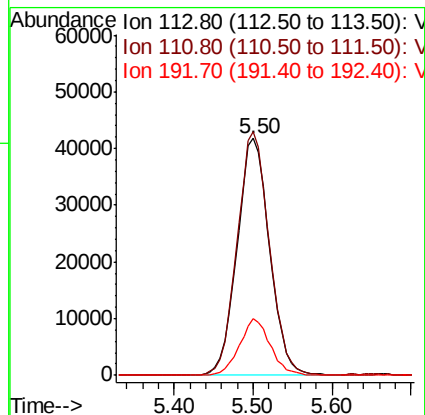
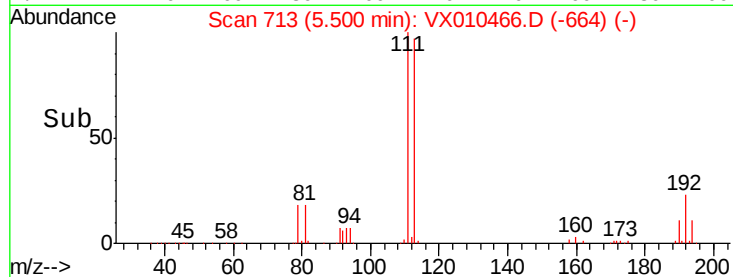
113 100

111 101.8 81.2 121.8

192 22.6 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: 4.993 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010466.D

Acq: 26 Jun 2019 16:33

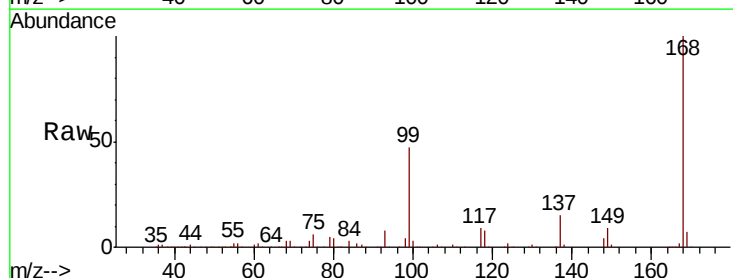
Tgt Ion: 75 Resp: 15512

Ion Ratio Lower Upper

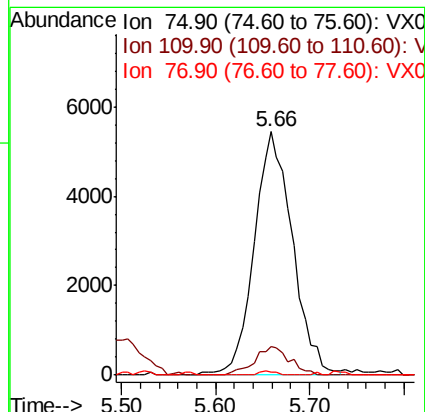
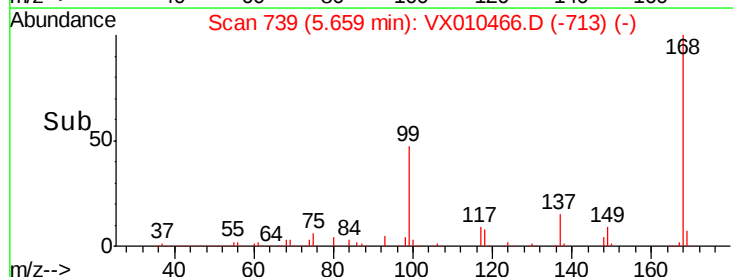
75 100

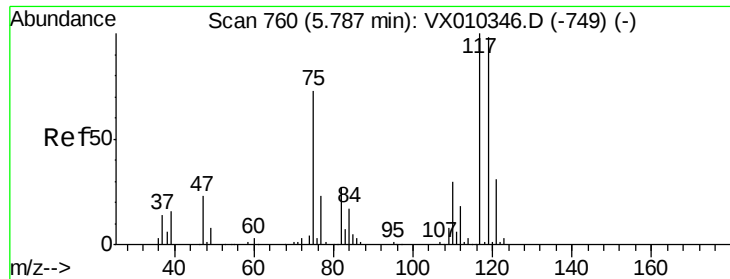
110 10.8 20.8 62.2#

77 0.7 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

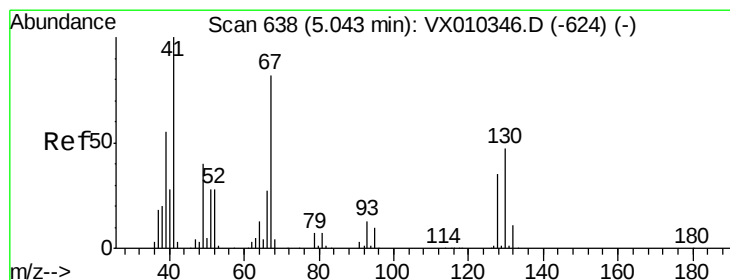
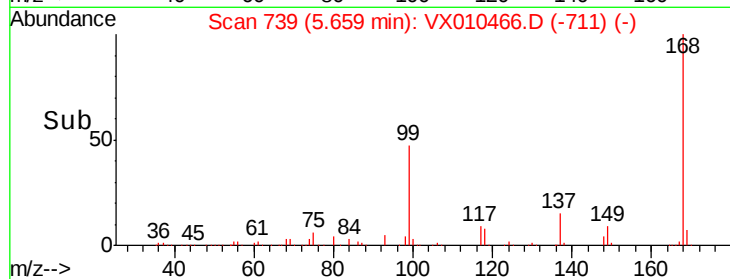
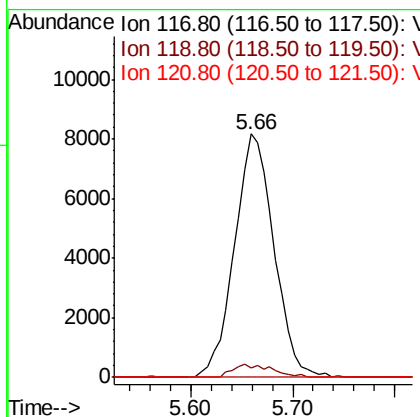
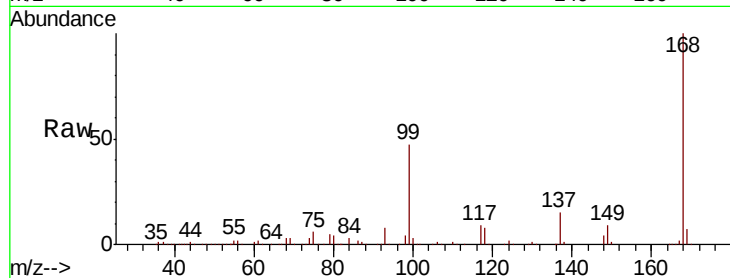




#38
Carbon Tetrachloride
Concen: 6.512 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX010466.D
Acq: 26 Jun 2019 16:33

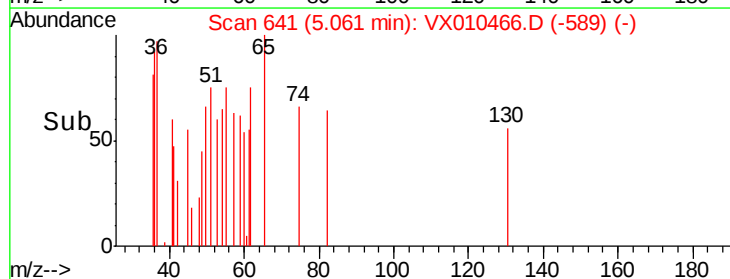
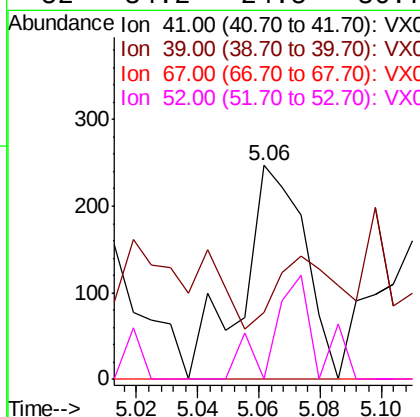
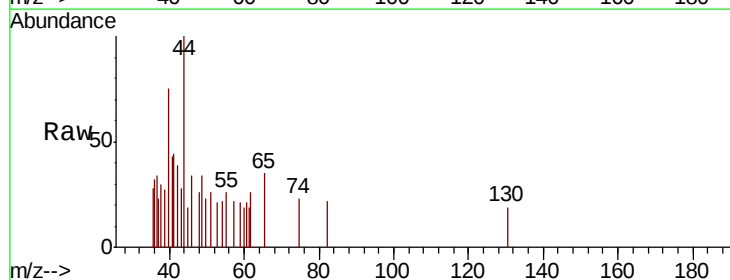
Instrument :
MSVOA_X
ClientSampled :

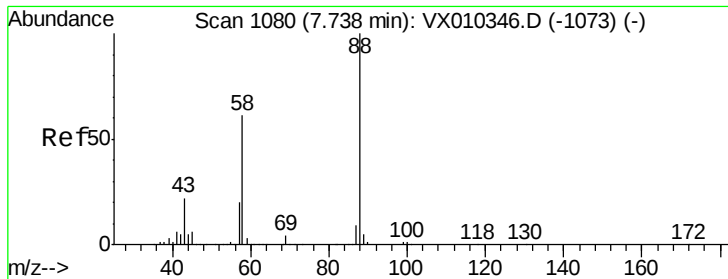
Tot Ion:117 Resp: 21909
Ion Ratio Lower Upper
117 100
119 4.1 78.2 117.4#
121 0.0 24.7 37.1#



#41
Methacrylonitrile
Concen: 0.200 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.02 min
Lab File: VX010466.D
Acq: 26 Jun 2019 16:33

Tgt Ion: 41 Resp: 351
Ion Ratio Lower Upper
41 100
39 33.6 43.8 65.8#
67 0.0 66.6 100.0#
52 34.2 24.5 36.7

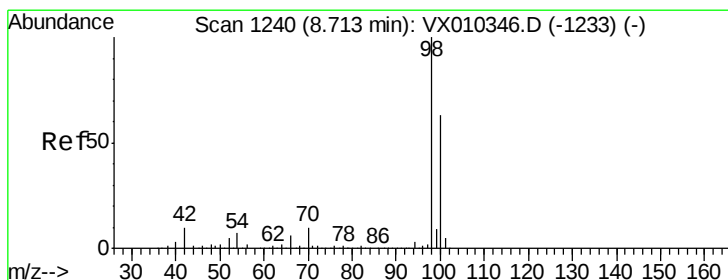
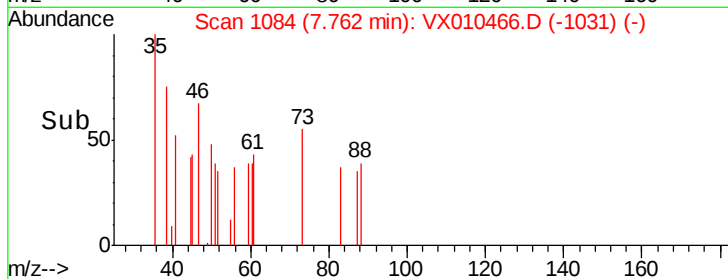
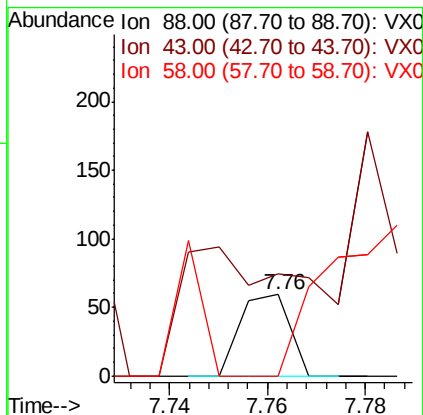
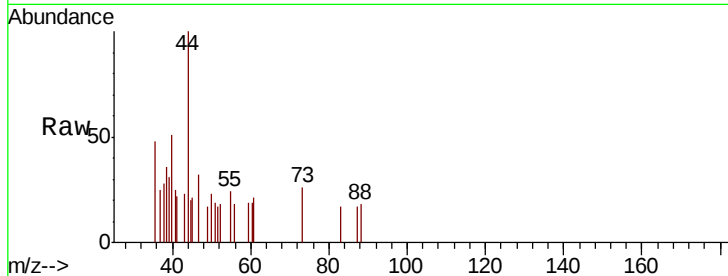




#49
1,4-Dioxane
Concen: 0.593 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.02 min
Lab File: VX010466.D
Acq: 26 Jun 2019 16:33

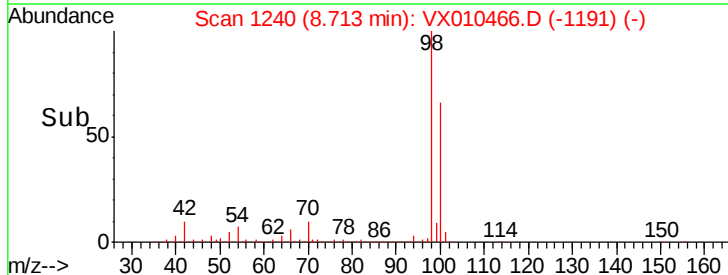
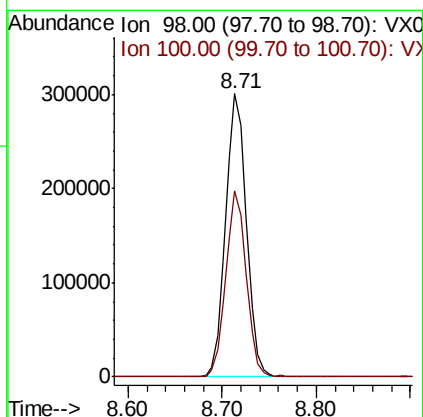
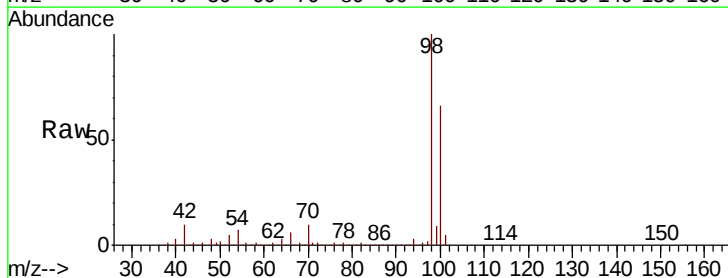
Instrument :
MSVOA_X
ClientSampleId :

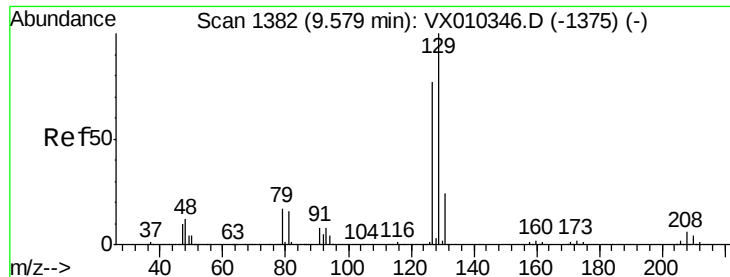
Tot Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 345.2 20.2 30.2#
58 85.7 49.5 74.3#



#50
Toluene-d8
Concen: 50.534 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010466.D
Acq: 26 Jun 2019 16:33

Tgt Ion: 98 Resp: 462448
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4

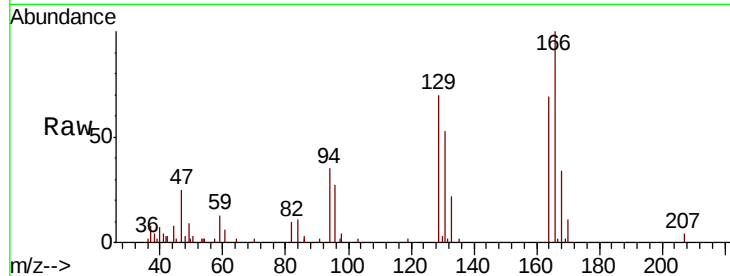




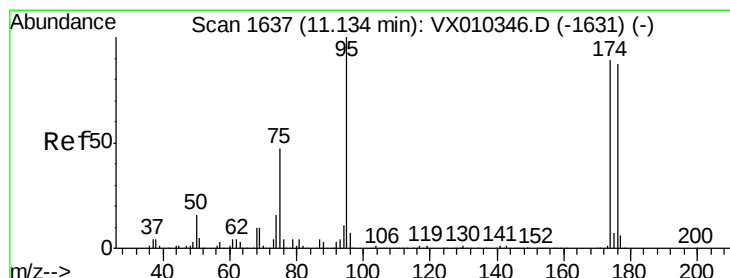
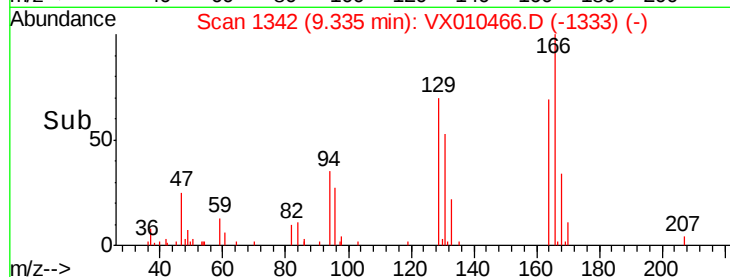
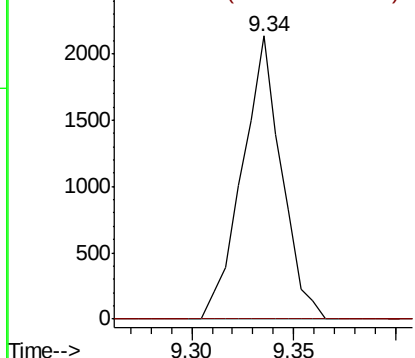
#60
Dibromochloromethane
Concen: 0.973 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX010466.D
Acq: 26 Jun 2019 16:33

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 2863
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#

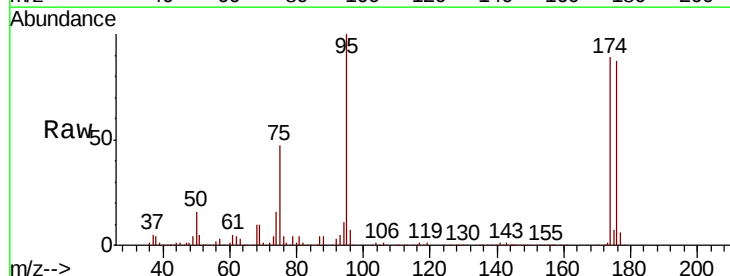


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

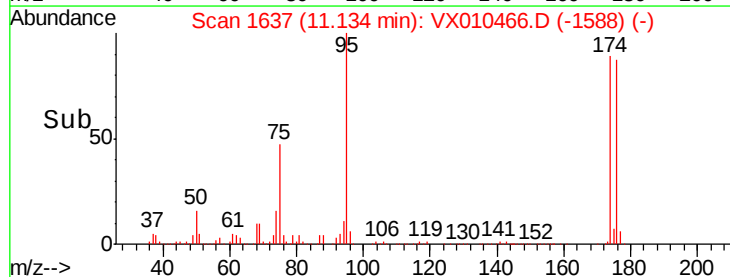
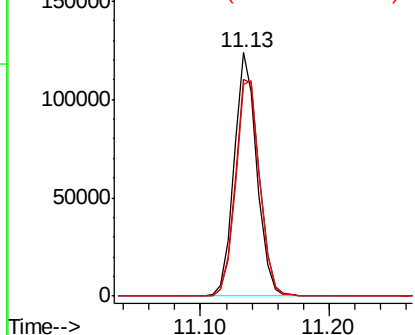


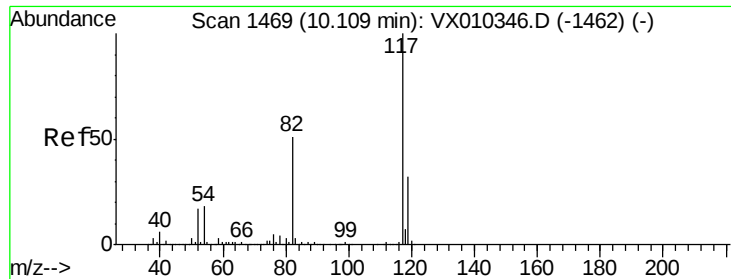
#62
4-Bromofluorobenzene
Concen: 46.061 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010466.D
Acq: 26 Jun 2019 16:33

Tgt Ion: 95 Resp: 152179
Ion Ratio Lower Upper
95 100
174 95.1 0.0 187.6
176 93.2 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

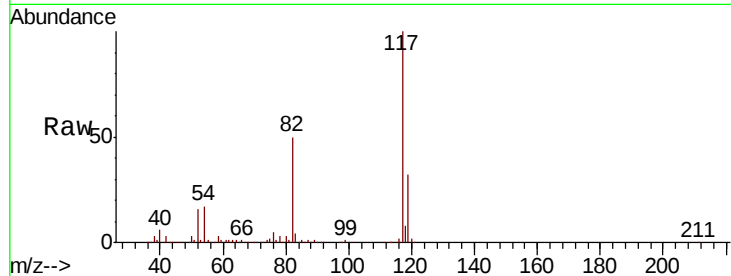




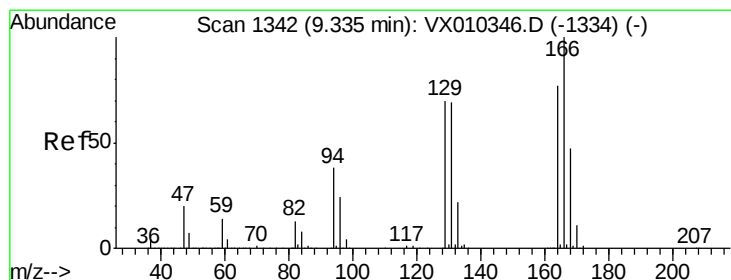
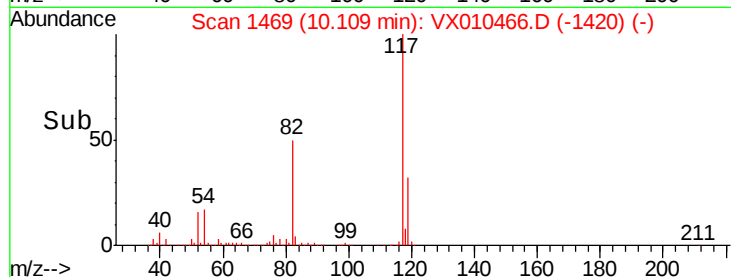
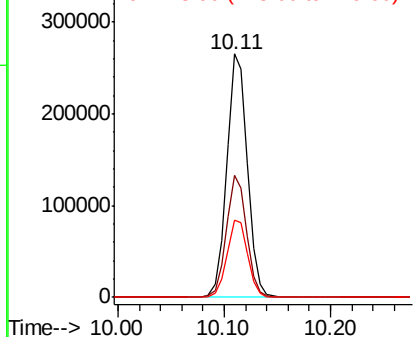
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010466.D
Acq: 26 Jun 2019 16:33

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 358727
Ion Ratio Lower Upper
117 100
82 50.1 41.2 61.8
119 32.0 25.5 38.3

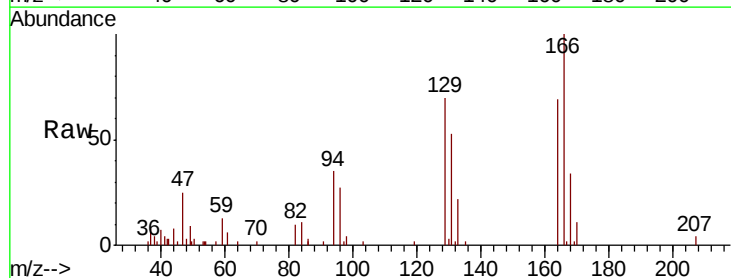


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

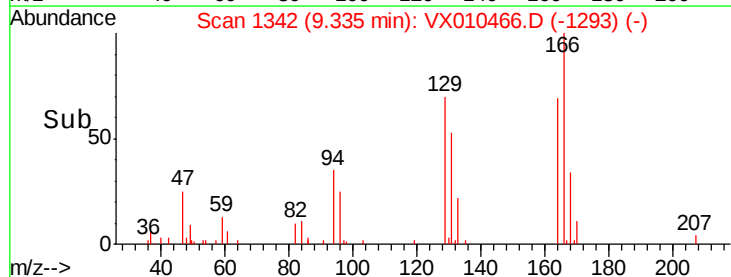
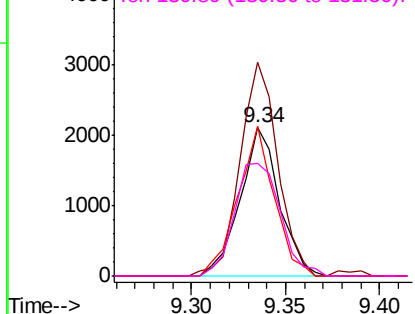


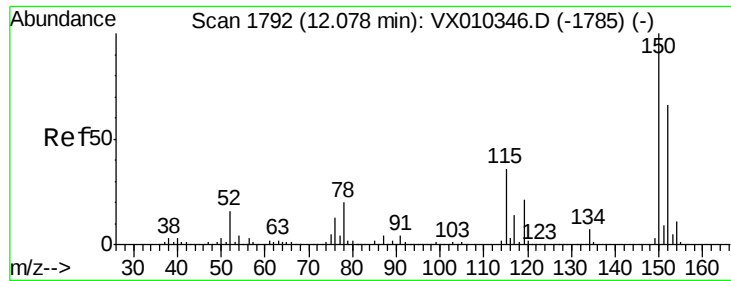
#64
Tetrachloroethene
Concen: 1.043 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010466.D
Acq: 26 Jun 2019 16:33

Tgt Ion:164 Resp: 3027
Ion Ratio Lower Upper
164 100
166 144.4 103.6 155.4
129 101.4 73.0 109.4
131 76.0 71.0 106.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VX010466.D

Acq: 26 Jun 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

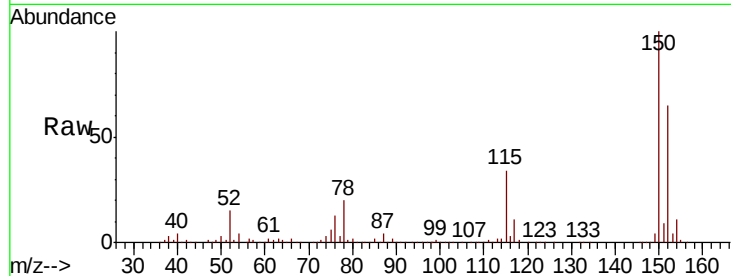
Tot Ion:152 Resp: 164919

Ion Ratio Lower Upper

152 100

115 54.1 38.6 115.7

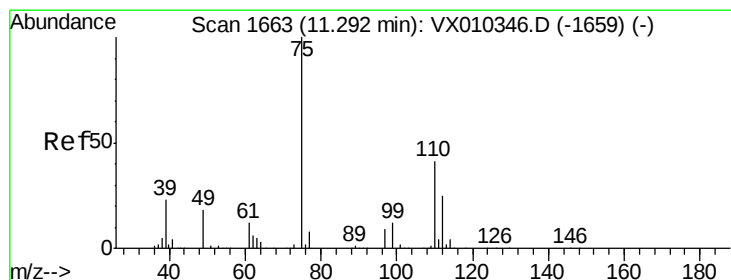
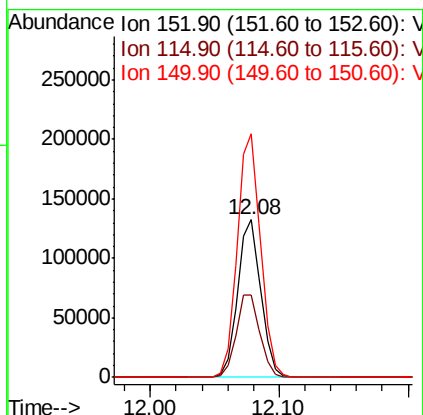
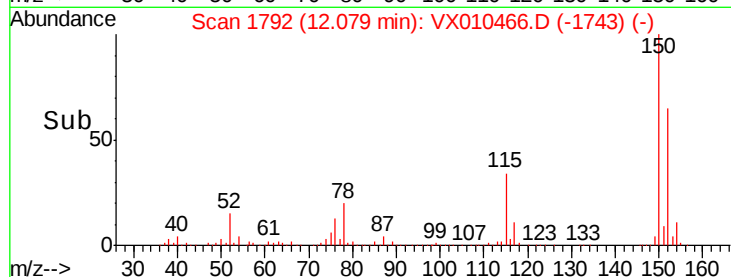
150 156.1 0.0 347.4



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: 24.194 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010466.D

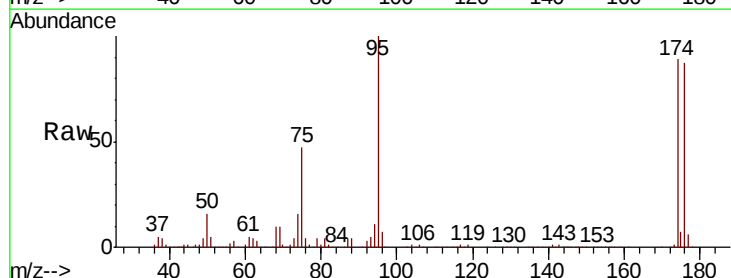
Acq: 26 Jun 2019 16:33

Tgt Ion: 75 Resp: 72708

Ion Ratio Lower Upper

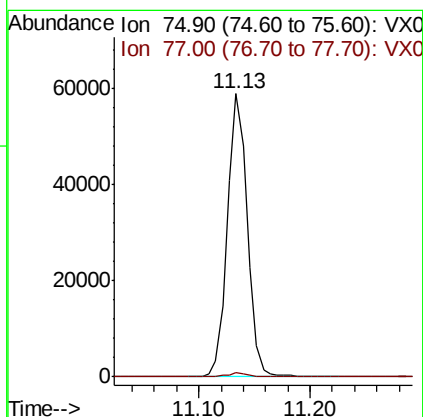
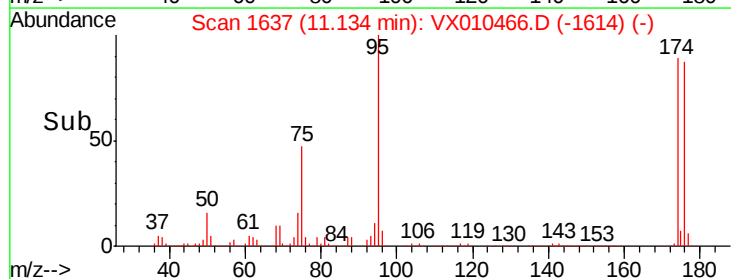
75 100

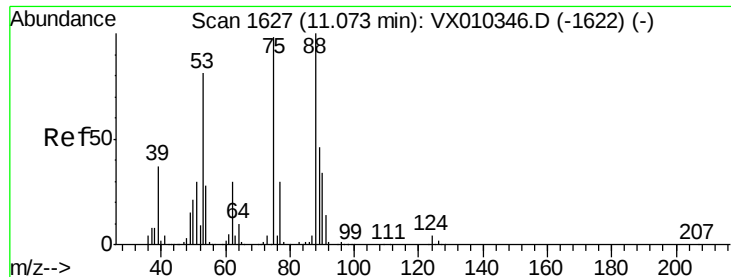
77 1.5 22.6 67.8#



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: 56.441 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010466.D
 Acq: 26 Jun 2019 16:33

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 72708
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.1 99.1#
 89 0.0 37.8 56.6#

