

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071119\
 Data File : VX010805.D
 Acq On : 11 Jul 2019 14:27
 Operator : JC/SP
 Sample : K3749-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB071019

Quant Time: Jul 12 06:54:05 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	5.67	168	235684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	367371	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	340045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	156856	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	120391	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	
35) Dibromofluoromethane	5.50	113	111176	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
50) Toluene-d8	8.71	98	440576	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
62) 4-Bromofluorobenzene	11.13	95	150388	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	

Target Compounds

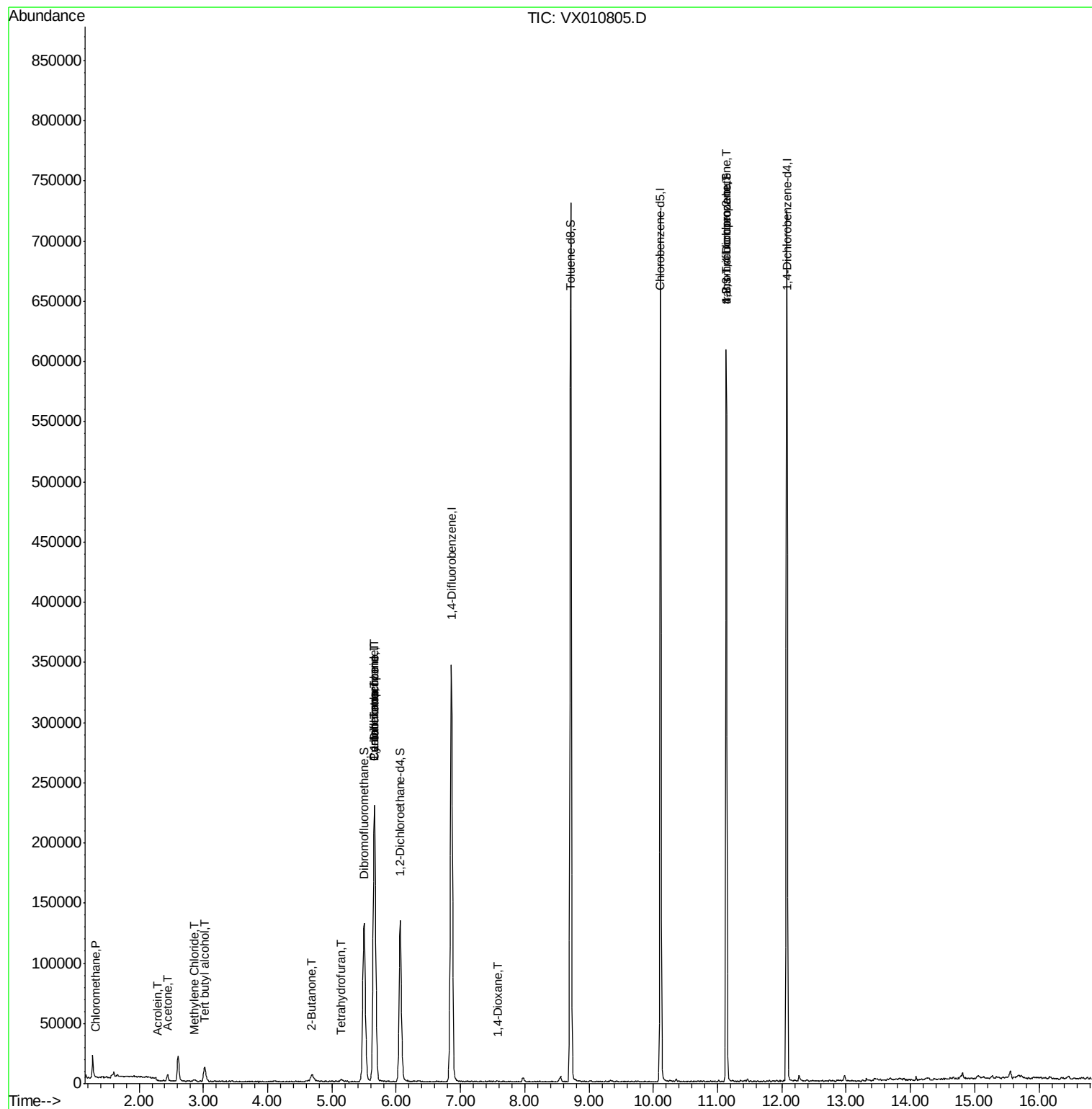
					Qvalue	
3) Chloromethane	1.33	50	460	0.241	ug/l #	70
11) Tert butyl alcohol	3.02	59	8846	15.299	ug/l #	90
13) Acrolein	2.28	56	100	0.261	ug/l #	39
16) Acetone	2.45	43	5659	5.110	ug/l	91
20) Methylene Chloride	2.86	84	751	0.330	ug/l #	67
25) 2-Butanone	4.68	43	806	0.496	ug/l #	34
29) Tetrahydrofuran	5.15	42	1542	1.532	ug/l #	76
31) Cyclohexane	5.66	56	3855	1.208	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15208	5.209	ug/l #	48
38) Carbon Tetrachloride	5.67	117	21168	6.696	ug/l #	15
49) 1,4-Dioxane	7.58	88	38	0.571	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	74800	26.169	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	74800	61.050	ug/l #	16

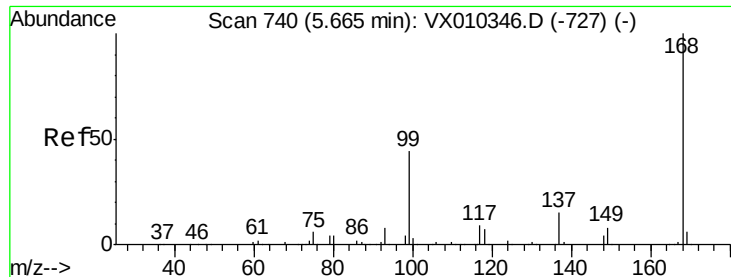
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010805.D

Acq: 11 Jul 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

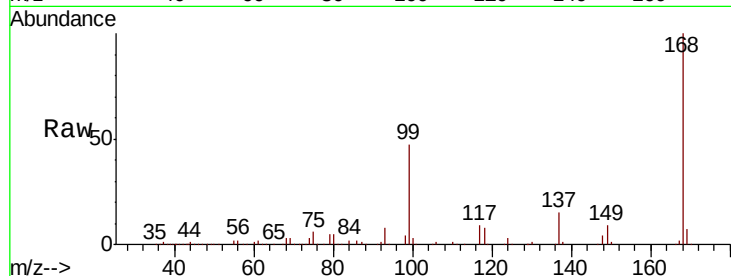
FB071019

Tot Ion:168 Resp: 235684

Ion Ratio Lower Upper

168 100

99 47.5 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

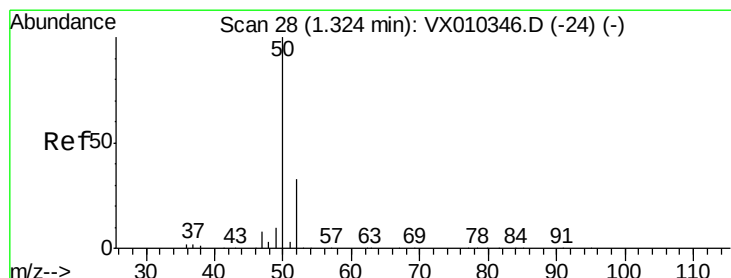
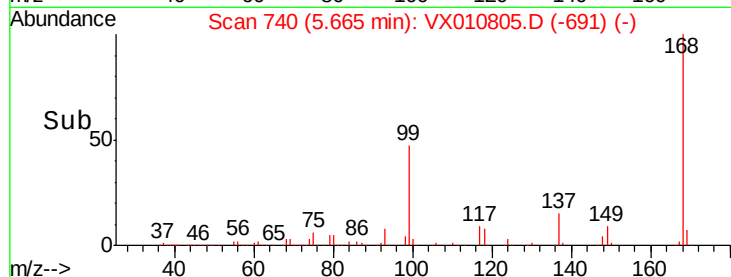
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.241 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010805.D

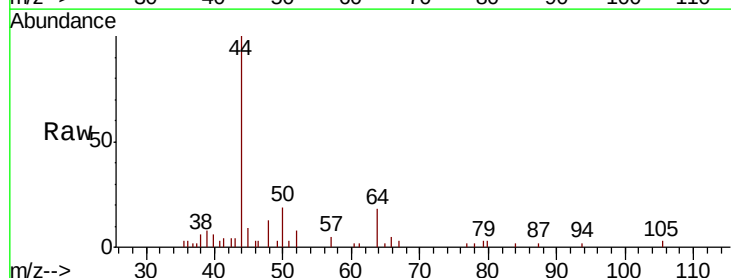
Acq: 11 Jul 2019 14:27

Tgt Ion: 50 Resp: 460

Ion Ratio Lower Upper

50 100

52 50.3 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

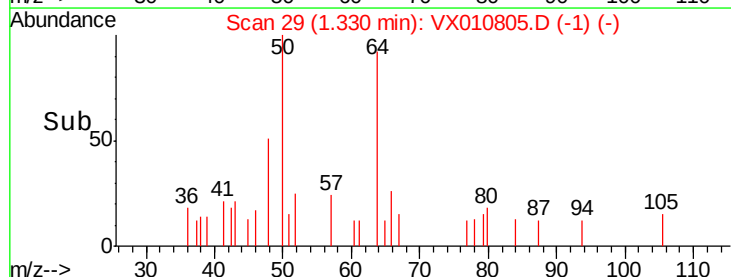
300

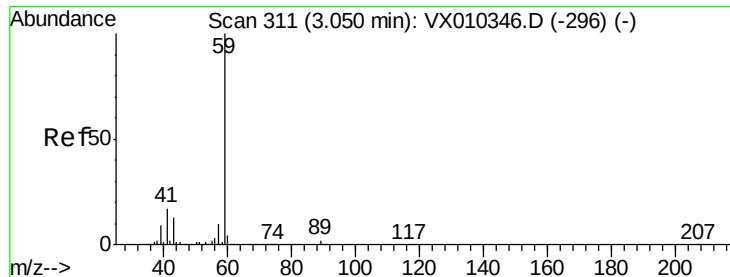
200

100

0

Time--> 1.30 1.32 1.34 1.36

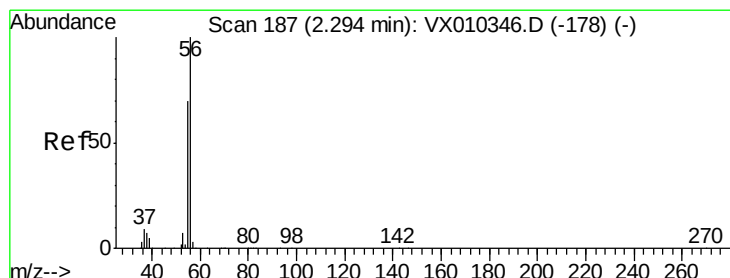
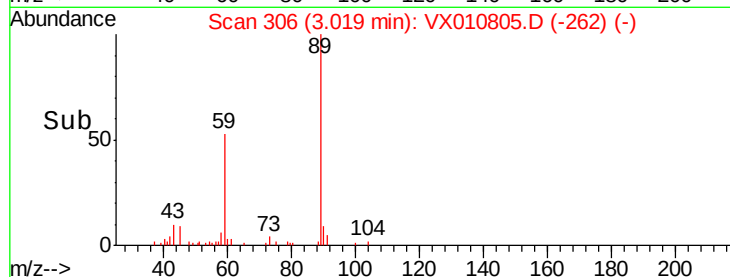
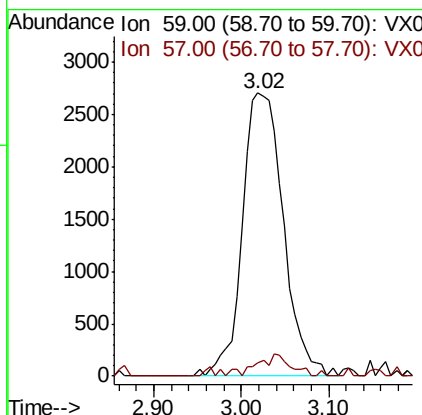
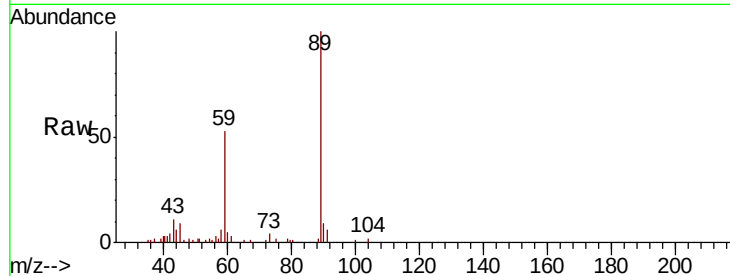




#11
Tert butyl alcohol
Concen: 15.299 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010805.D
Acq: 11 Jul 2019 14:27

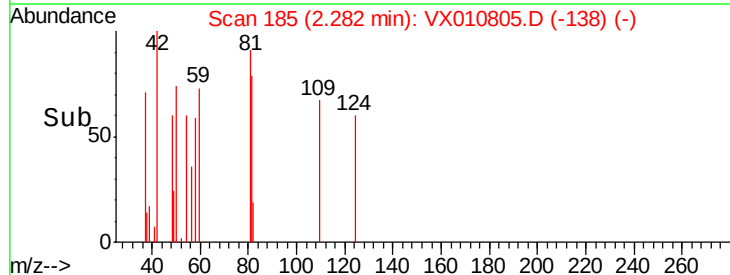
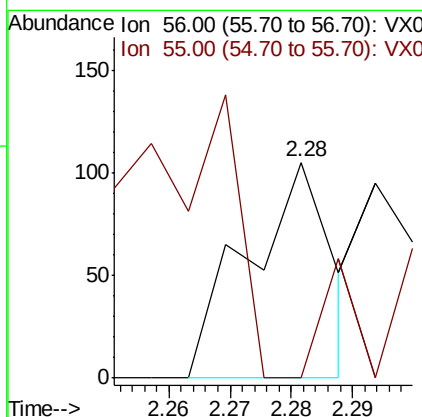
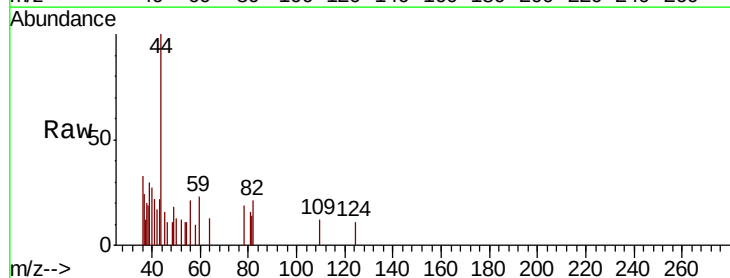
Instrument :
MSVOA_X
ClientSampleId :
FB071019

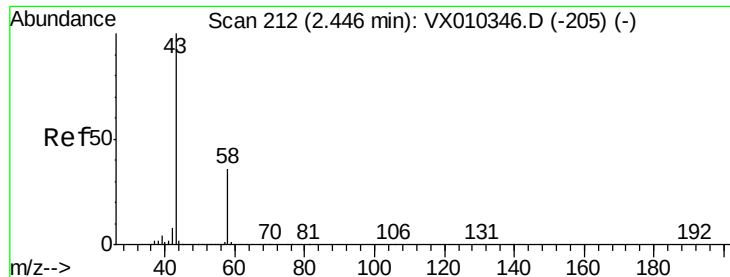
Tot Ion: 59 Resp: 8846
Ion Ratio Lower Upper
59 100
57 5.8 7.7 11.5#



#13
Acrolein
Concen: 0.261 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX010805.D
Acq: 11 Jul 2019 14:27

Tgt Ion: 56 Resp: 100
Ion Ratio Lower Upper
56 100
55 21.0 56.9 85.3#





#16

Acetone

Concen: 5.110 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010805.D

Acq: 11 Jul 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

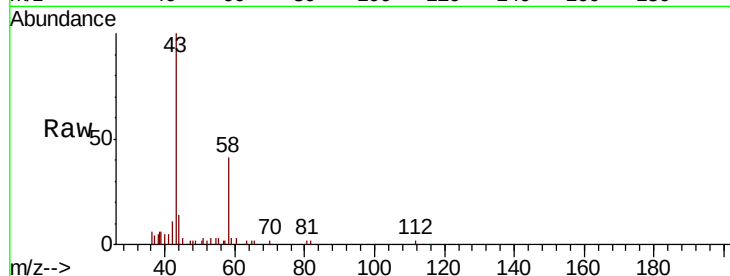
FB071019

Tot Ion: 43 Resp: 5659

Ion Ratio Lower Upper

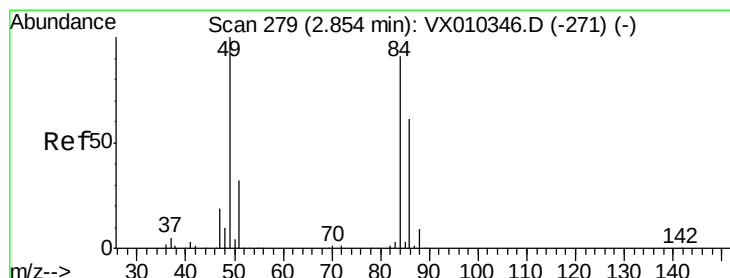
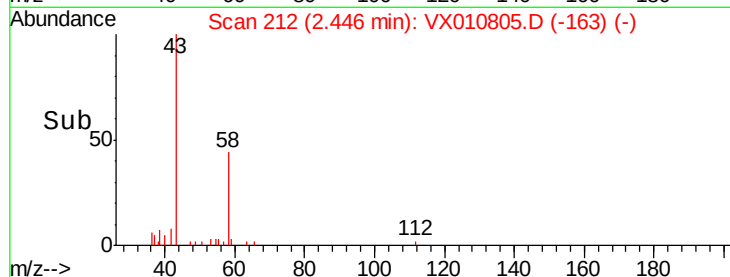
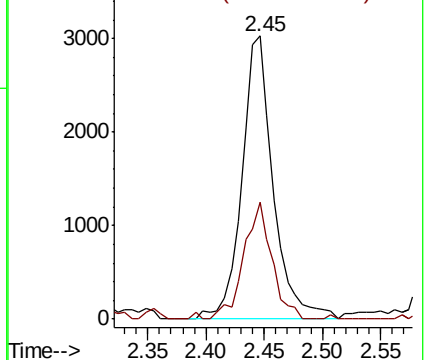
43 100

58 41.4 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.330 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX010805.D

Acq: 11 Jul 2019 14:27

Tgt Ion: 84 Resp: 751

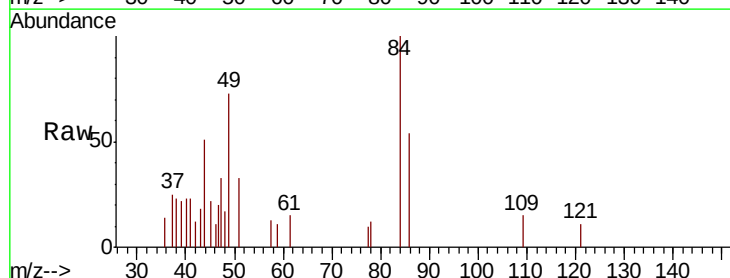
Ion Ratio Lower Upper

84 100

49 59.6 87.5 131.3#

51 22.2 27.7 41.5#

86 53.8 53.4 80.0

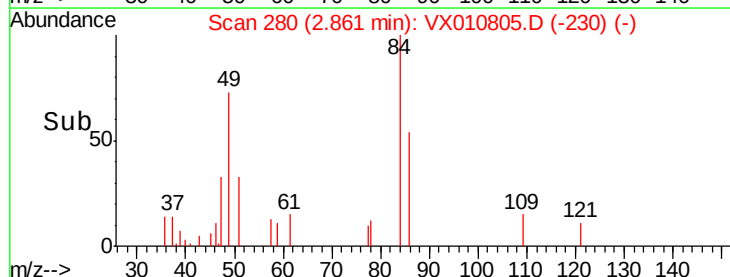
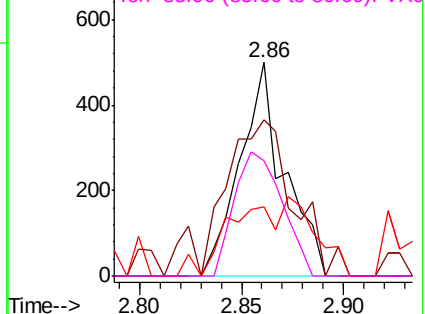


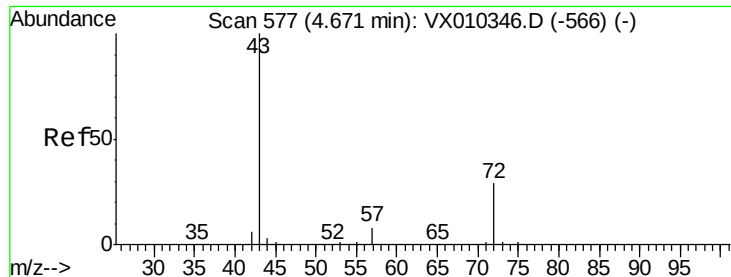
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.496 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX010805.D

Acq: 11 Jul 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

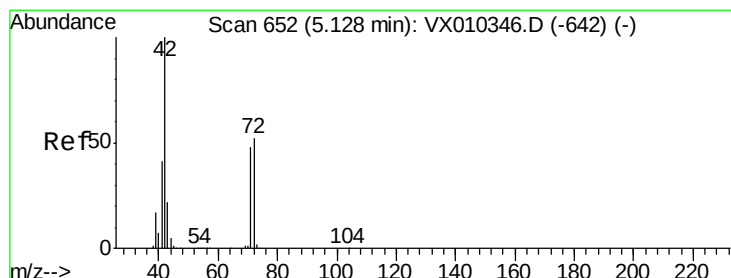
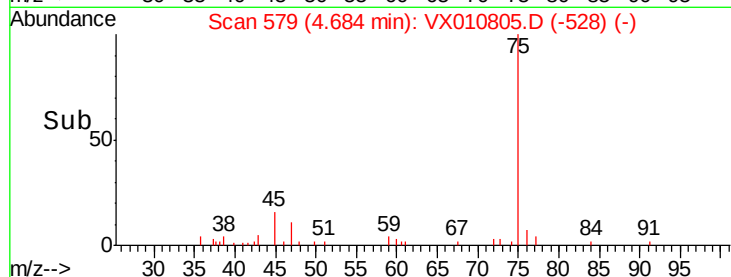
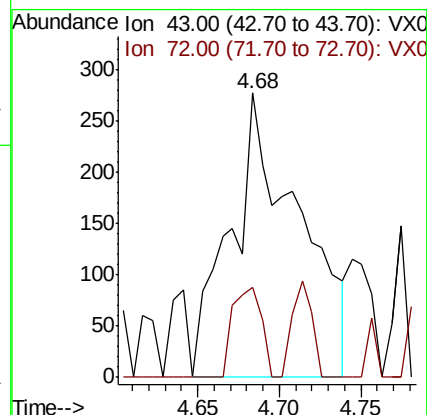
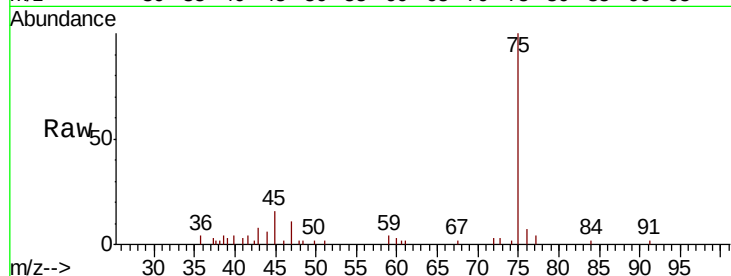
FB071019

Tot Ion: 43 Resp: 806

Ion Ratio Lower Upper

43 100

72 64.3 23.3 34.9#



#29

Tetrahydrofuran

Concen: 1.532 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX010805.D

Acq: 11 Jul 2019 14:27

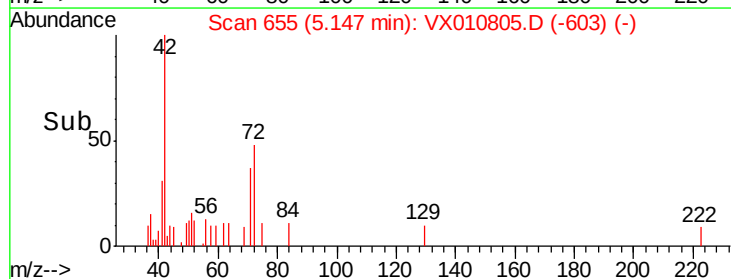
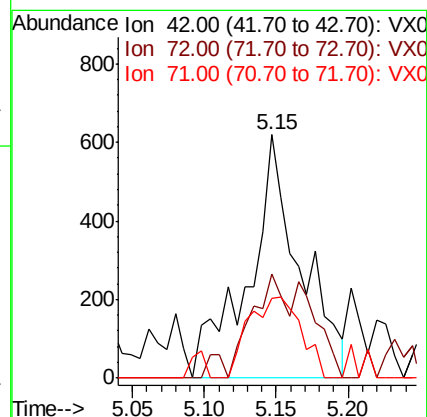
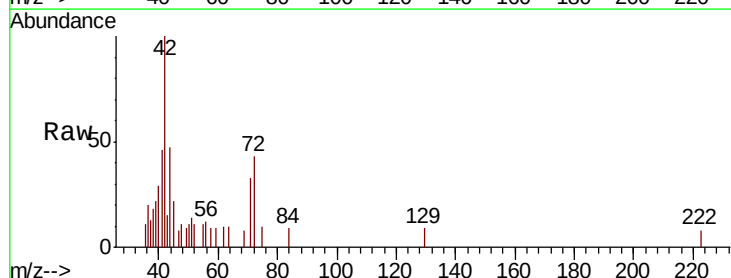
Tgt Ion: 42 Resp: 1542

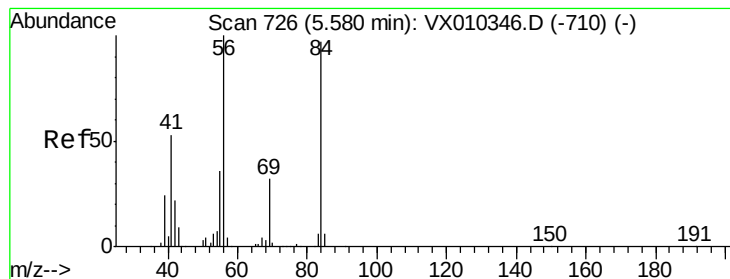
Ion Ratio Lower Upper

42 100

72 31.4 40.6 60.8#

71 33.9 37.8 56.8#





#31

Cyclohexane

Concen: 1.208 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX010805.D

Acq: 11 Jul 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

FB071019

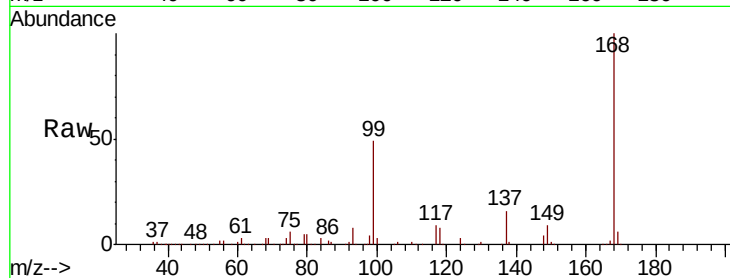
Tot Ion: 56 Resp: 3855

Ion Ratio Lower Upper

56 100

69 196.9 25.9 38.9#

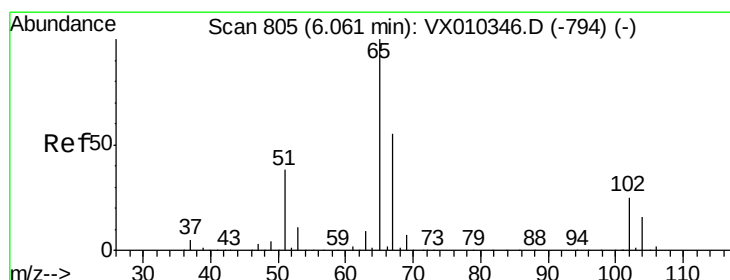
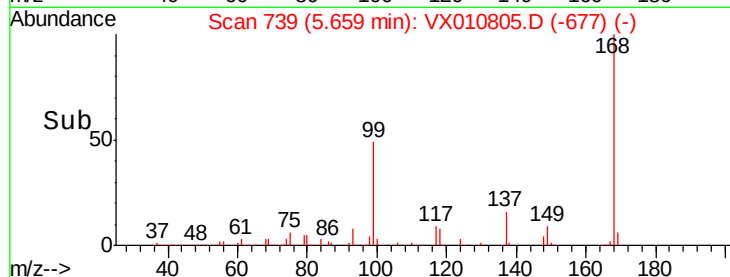
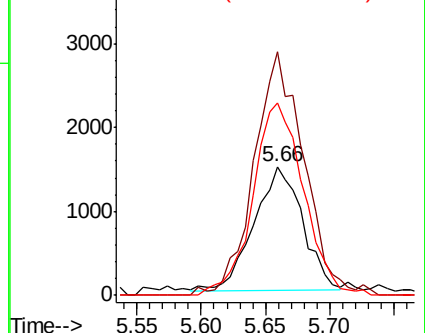
84 155.1 78.0 117.0#



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: 54.481 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010805.D

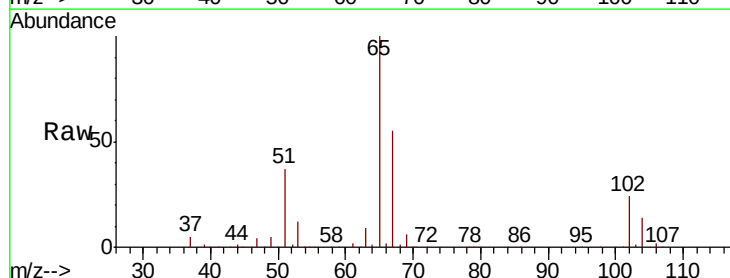
Acq: 11 Jul 2019 14:27

Tgt Ion: 65 Resp: 120391

Ion Ratio Lower Upper

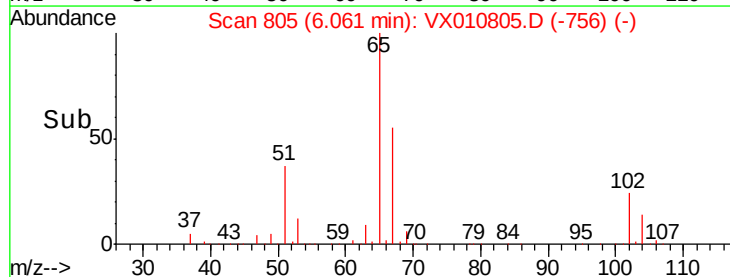
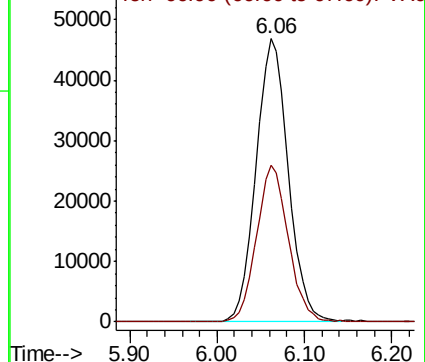
65 100

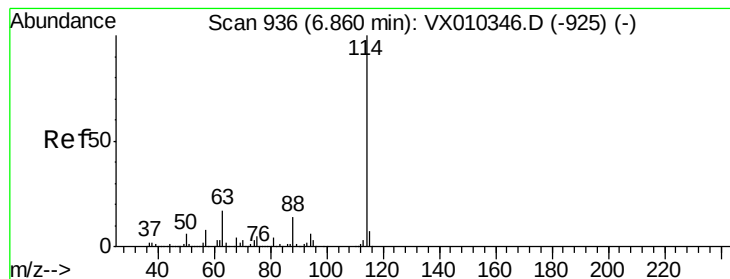
67 54.6 0.0 110.2



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: VX010805.D

Acq: 11 Jul 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

FB071019

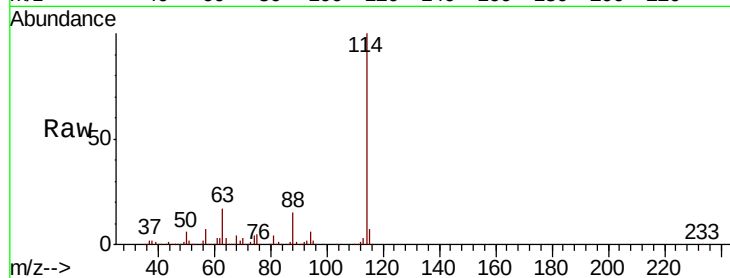
Tot Ion:114 Resp: 367371

Ion Ratio Lower Upper

114 100

63 17.4 0.0 33.8

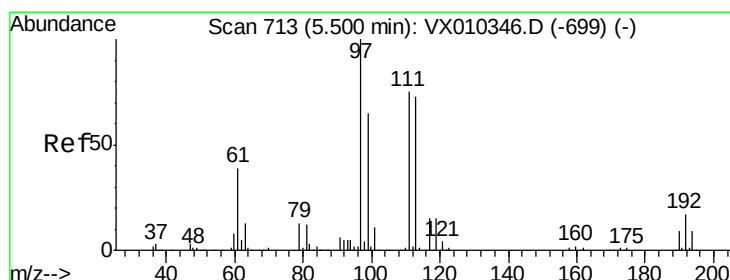
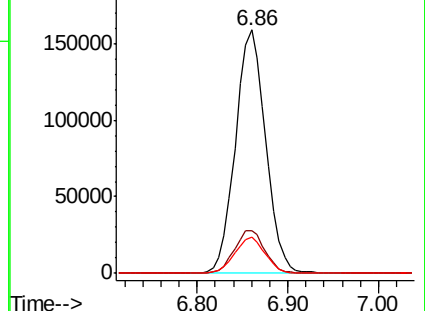
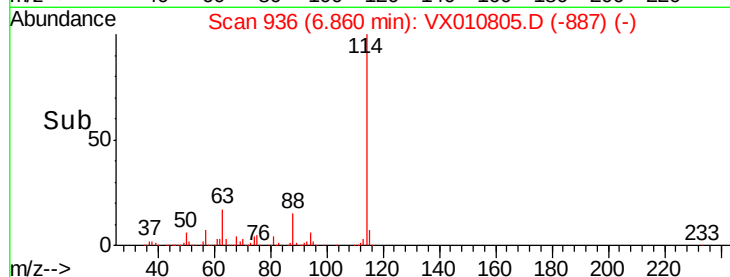
88 15.0 0.0 27.6



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: 49.462 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010805.D

Acq: 11 Jul 2019 14:27

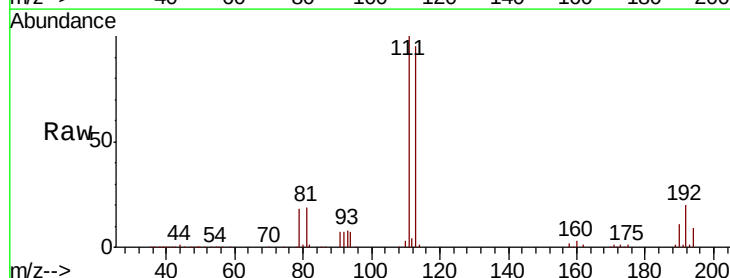
Tgt Ion:113 Resp: 111176

Ion Ratio Lower Upper

113 100

111 102.6 81.2 121.8

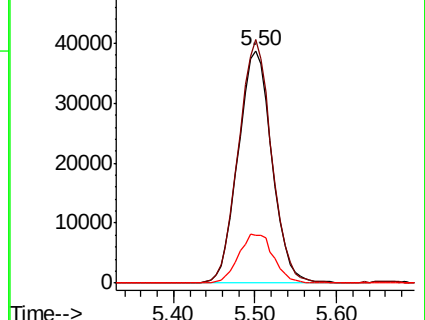
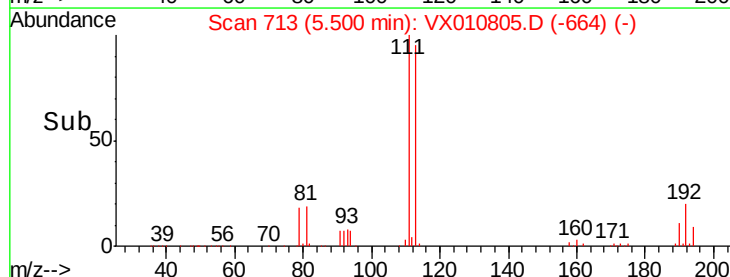
192 21.8 18.6 27.8

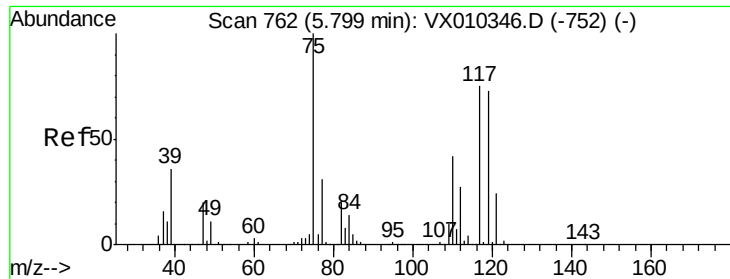


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

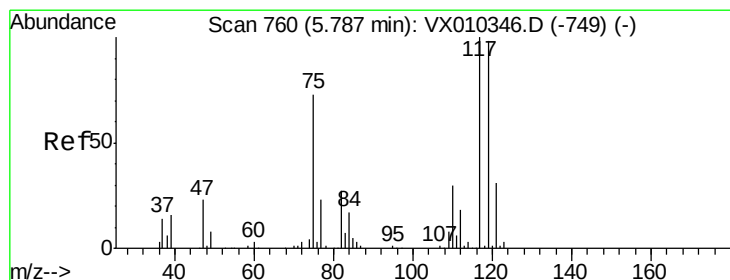
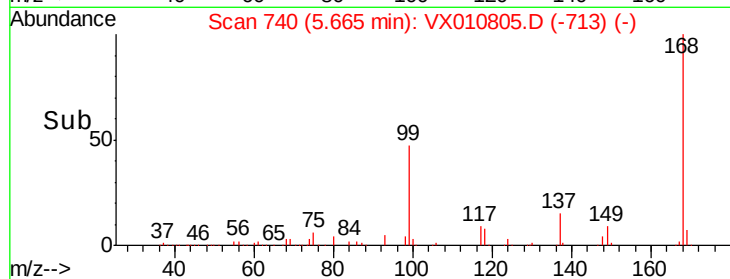
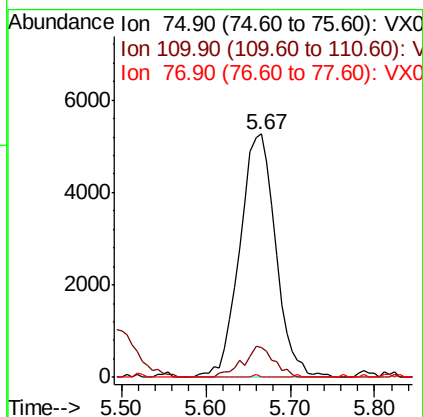
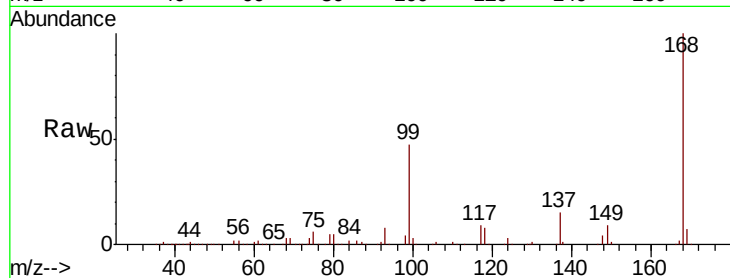




#36
 1,1-Dichloropropene
 Concen: 5.209 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010805.D
 Acq: 11 Jul 2019 14:27

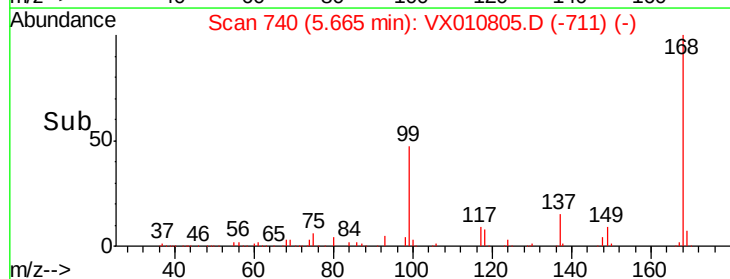
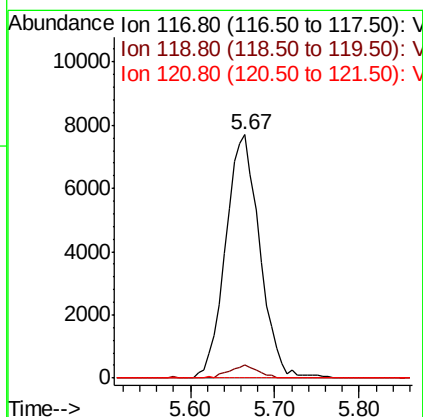
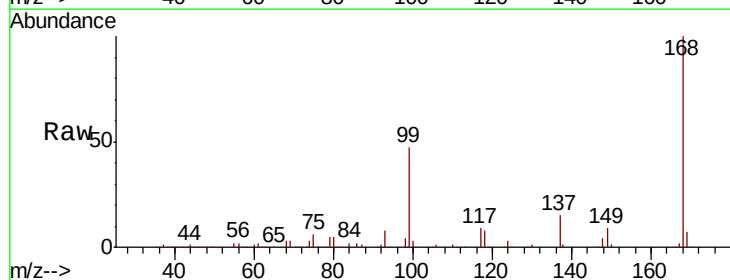
Instrument :
 MSVOA_X
 ClientSampleId :
 FB071019

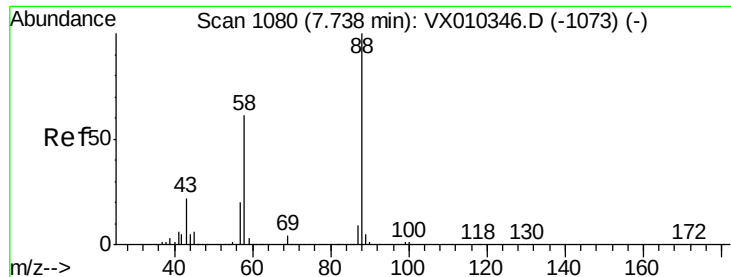
Tot Ion	75	Resp	15208
Ion Ratio	100	Lower	Upper
110	11.0	20.8	62.2#
77	0.1	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.696 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010805.D
 Acq: 11 Jul 2019 14:27

Tgt Ion	117	Resp	21168
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
119	5.2	78.2	117.4#
121	0.0	24.7	37.1#

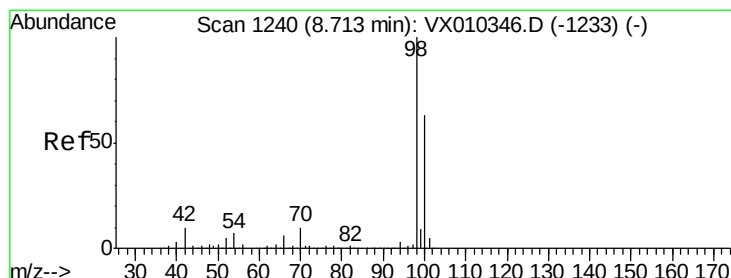
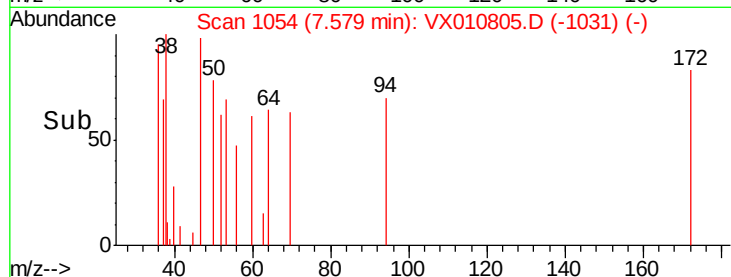
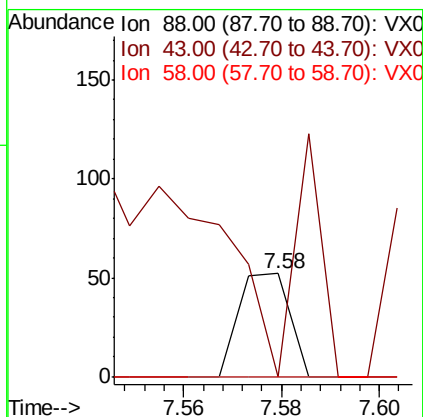
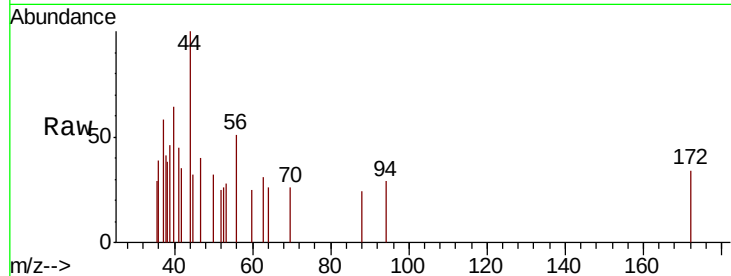




#49
1,4-Dioxane
Concen: 0.571 ug/l
RT: 7.58 min Scan# 1054
Delta R.T. -0.16 min
Lab File: VX010805.D
Acq: 11 Jul 2019 14:27

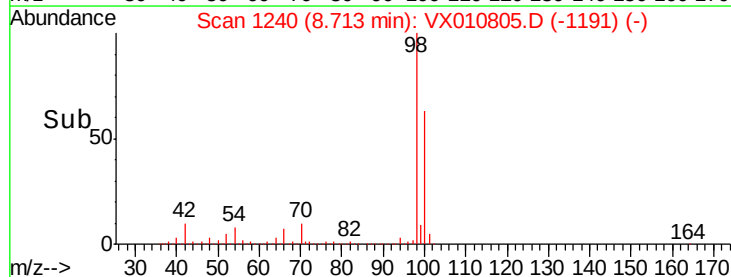
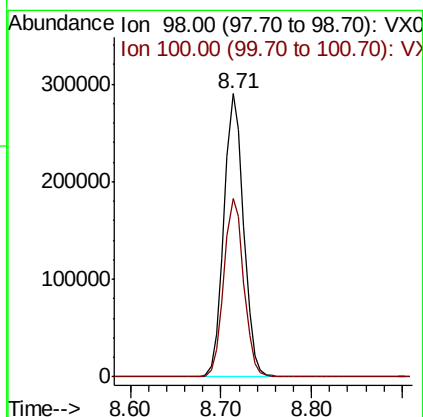
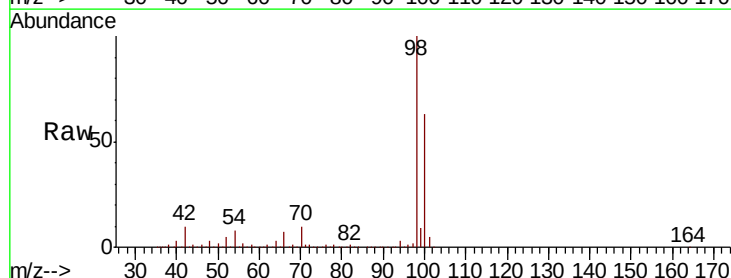
Instrument :
MSVOA_X
ClientSampleId :
FB071019

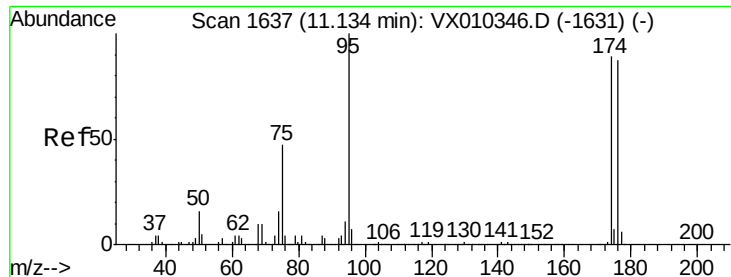
Tot Ion: 88 Resp: 38
Ion Ratio Lower Upper
88 100
43 118.4 20.2 30.2#
58 0.0 49.5 74.3#



#50
Toluene-d8
Concen: 51.234 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010805.D
Acq: 11 Jul 2019 14:27

Tgt Ion: 98 Resp: 440576
Ion Ratio Lower Upper
98 100
100 63.5 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 48.441 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010805.D

Acq: 11 Jul 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

FB071019

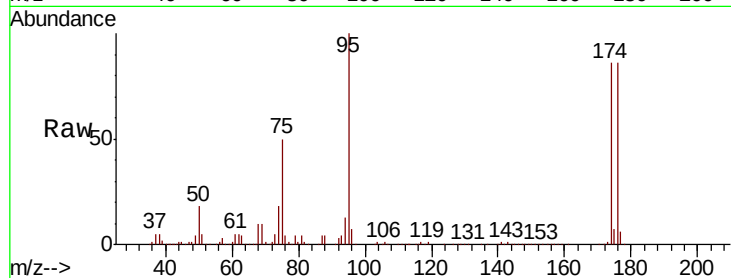
Tot Ion: 95 Resp: 150388

Ion Ratio Lower Upper

95 100

174 92.5 0.0 187.6

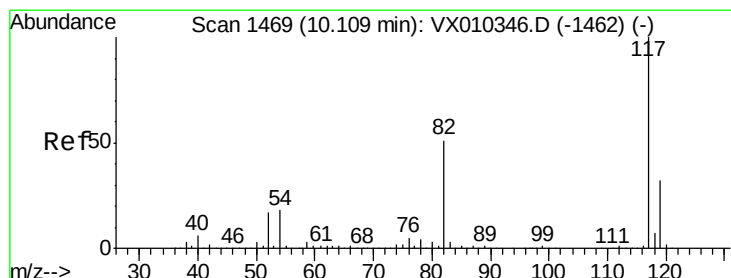
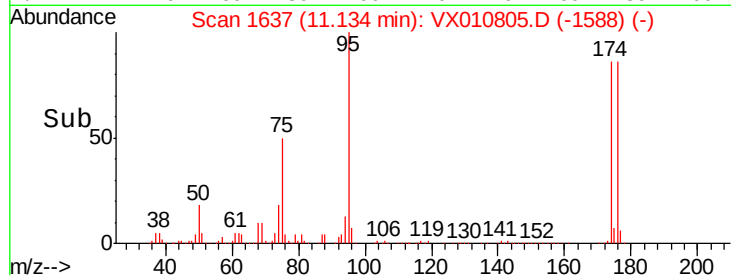
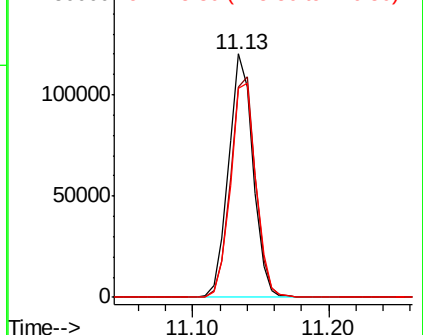
176 91.0 0.0 184.0



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: VX010805.D

Acq: 11 Jul 2019 14:27

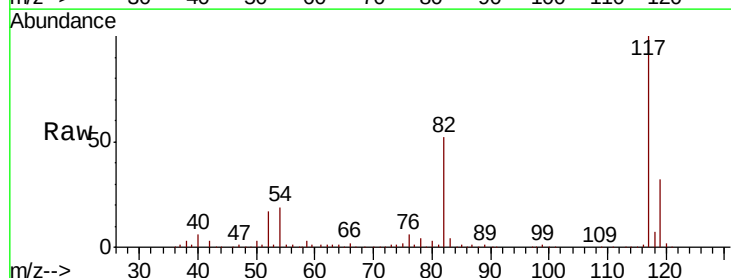
Tgt Ion: 117 Resp: 340045

Ion Ratio Lower Upper

117 100

82 52.3 41.2 61.8

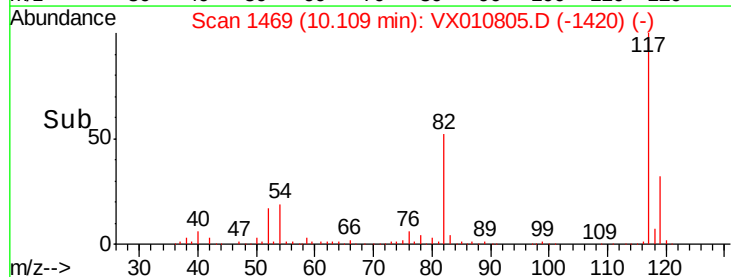
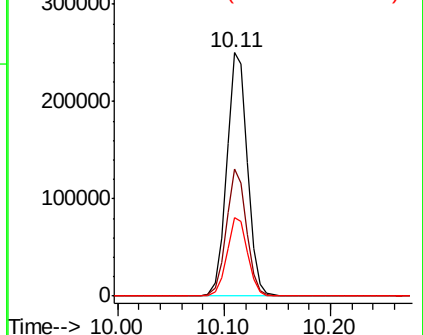
119 32.3 25.5 38.3

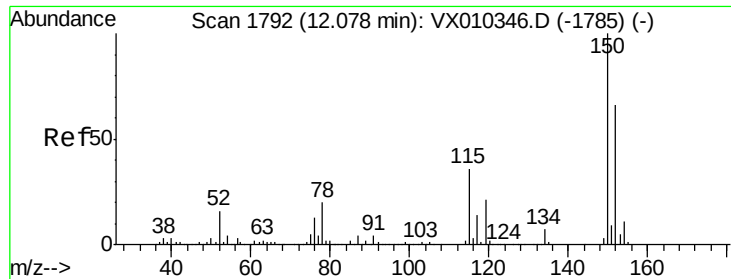


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX010805.D

Acq: 11 Jul 2019 14:27

Instrument :

MSVOA_X

ClientSampled :

FB071019

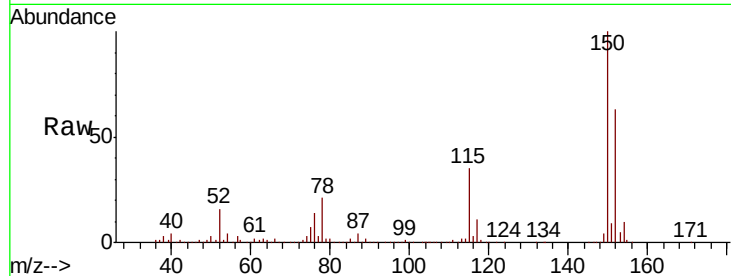
Tot Ion:152 Resp: 156856

Ion Ratio Lower Upper

152 100

115 55.9 38.6 115.7

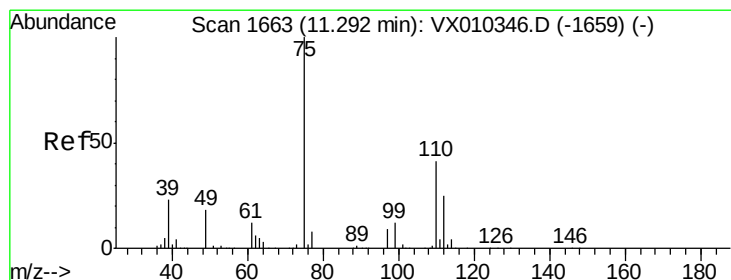
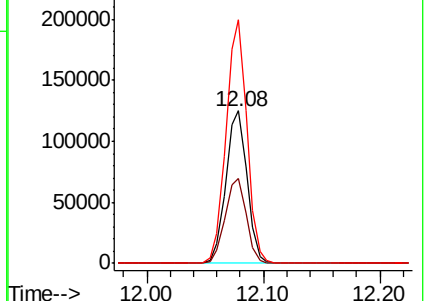
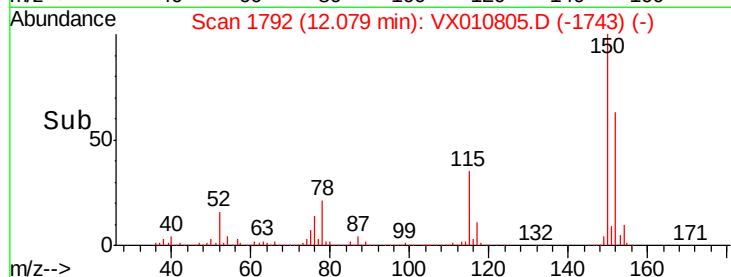
150 157.1 0.0 347.4



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: 26.169 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010805.D

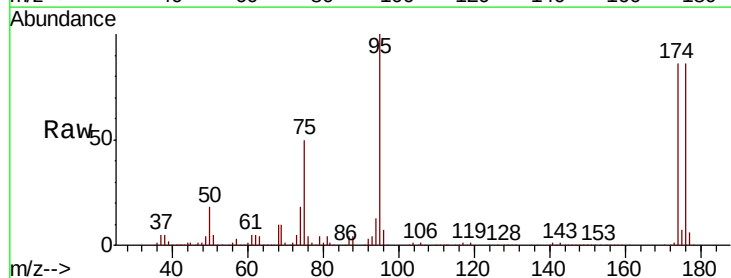
Acq: 11 Jul 2019 14:27

Tgt Ion: 75 Resp: 74800

Ion Ratio Lower Upper

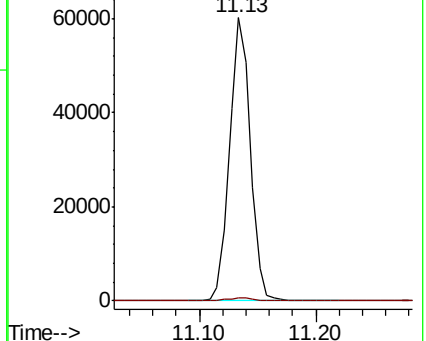
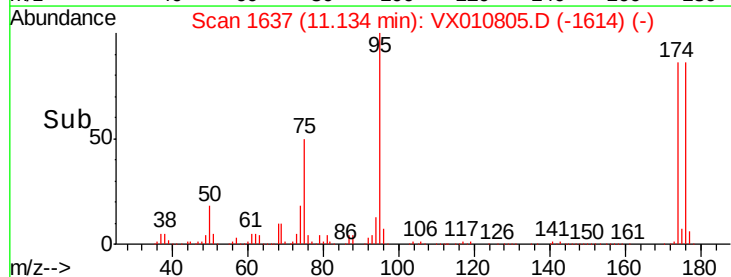
75 100

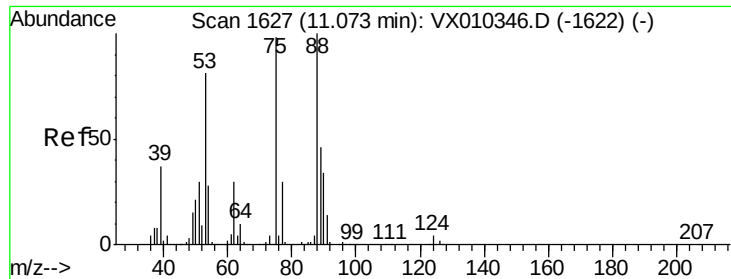
77 1.3 22.6 67.8#



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: 61.050 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010805.D
 Acq: 11 Jul 2019 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 FB071019

Tot Ion: 75 Resp: 74800
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.1 99.1#
 89 0.1 37.8 56.6#

