

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101718\
 Data File : VX005406.D
 Acq On : 17 Oct 2018 22:54
 Operator : JC/MD
 Sample : J5569-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-4

Quant Time: Oct 18 11:03:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	298561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	435628	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	384809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186606	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	166094	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
35) Dibromofluoromethane	5.50	113	135525	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
50) Toluene-d8	8.71	98	510172	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
62) 4-Bromofluorobenzene	11.14	95	167433	45.00	ug/l	0.00
Spiked Amount			Recovery	=	90.00%	

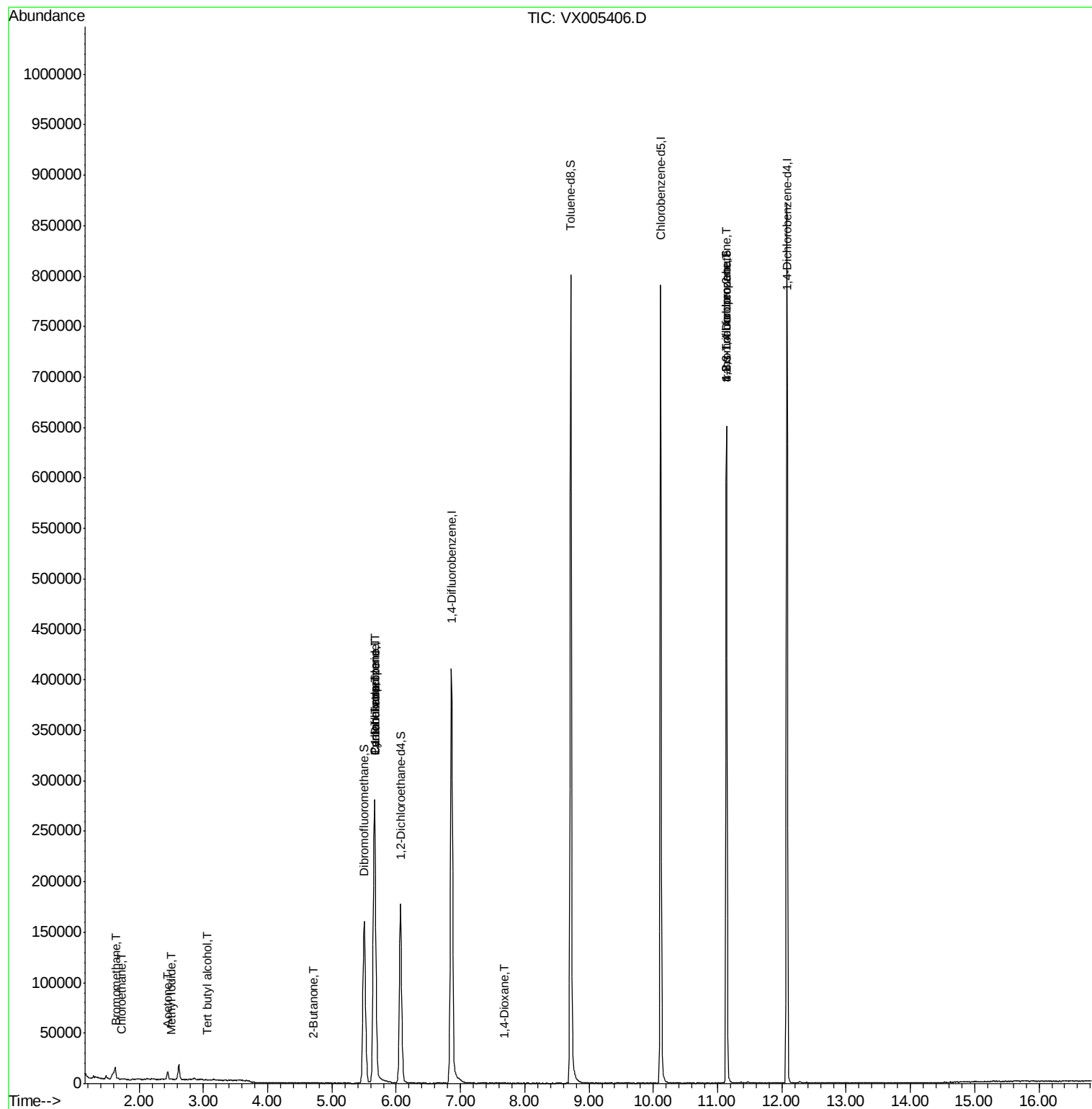
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	755	0.970	ug/l #	79
6) Chloroethane	1.72	64	71	0.366	ug/l #	56
10) Methyl Iodide	2.51	142	268	2.577	ug/l #	69
11) Tert butyl alcohol	3.06	59	493	0.527	ug/l #	72
13) Acrolein	2.29	56	137	Below Cal	#	78
16) Acetone	2.45	43	9061	4.729	ug/l	95
20) Methylene Chloride	2.85	84	611	Below Cal	#	93
25) 2-Butanone	4.71	43	833	0.297	ug/l	98
31) Cyclohexane	5.66	56	5085	1.116	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	19336	4.583	ug/l #	50
38) Carbon Tetrachloride	5.66	117	25755	6.075	ug/l #	16
49) 1,4-Dioxane	7.68	88	20	0.231	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	82266	22.728	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	82266	69.058	ug/l #	10

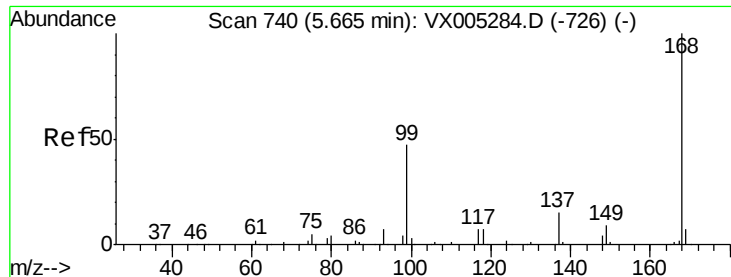
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101718\
Data File : VX005406.D
Acq On : 17 Oct 2018 22:54
Operator : JC/MD
Sample : J5569-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-4

Quant Time: Oct 18 11:03:36 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
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: VX005406.D

Acq: 17 Oct 2018 22:54

Instrument :

MSVOA_X

ClientSampleId :

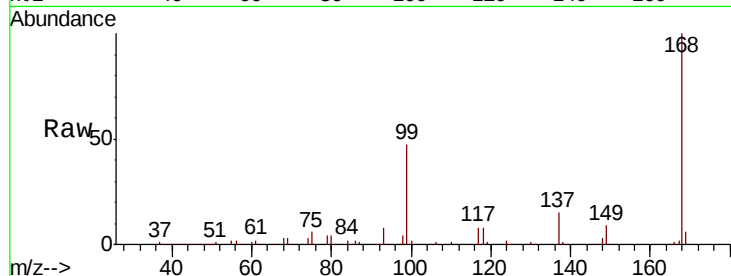
RLF-SW-4

Tot Ion:168 Resp: 298561

Ion Ratio Lower Upper

168 100

99 46.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

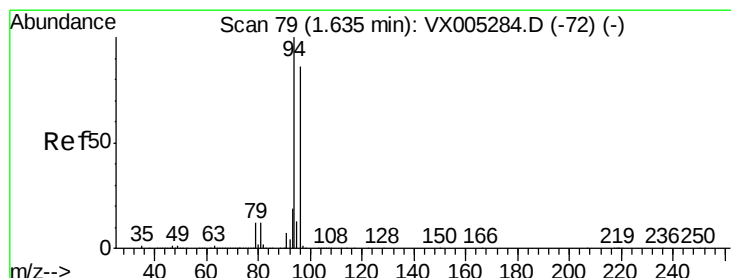
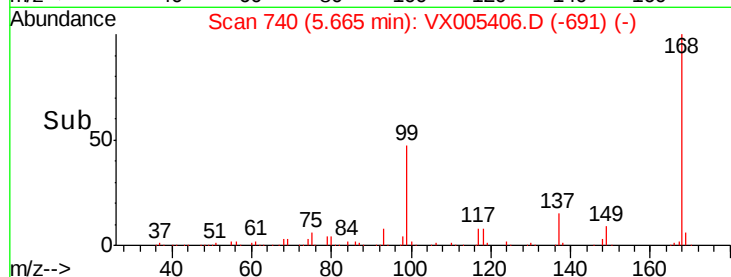
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.970 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005406.D

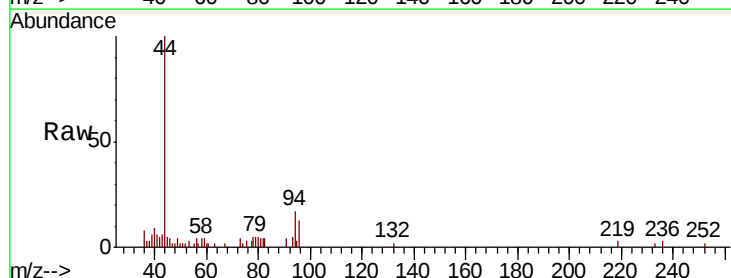
Acq: 17 Oct 2018 22:54

Tgt Ion: 94 Resp: 755

Ion Ratio Lower Upper

94 100

96 73.4 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

500

400

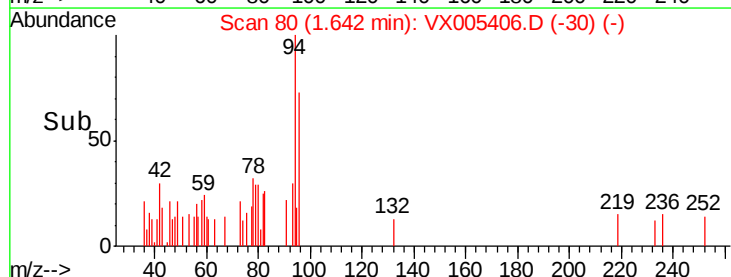
300

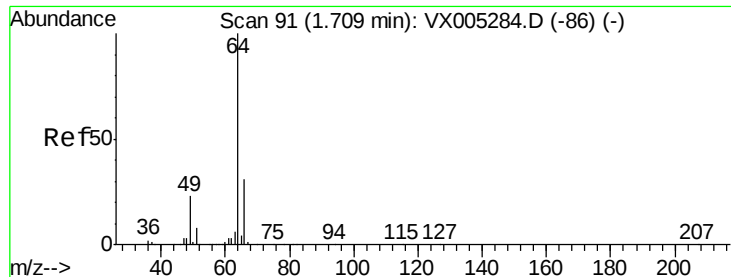
200

100

0

Time--> 1.55 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.366 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005406.D

Acq: 17 Oct 2018 22:54

Instrument :

MSVOA_X

ClientSampleId :

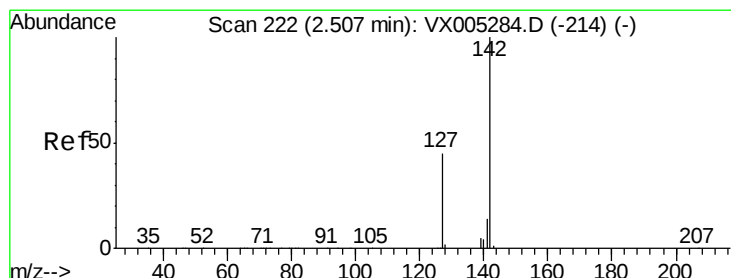
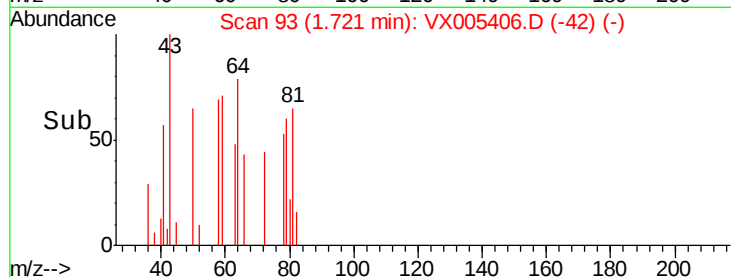
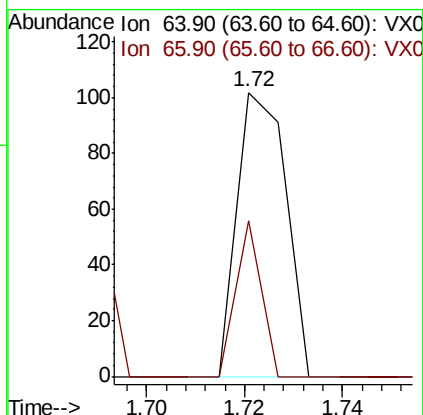
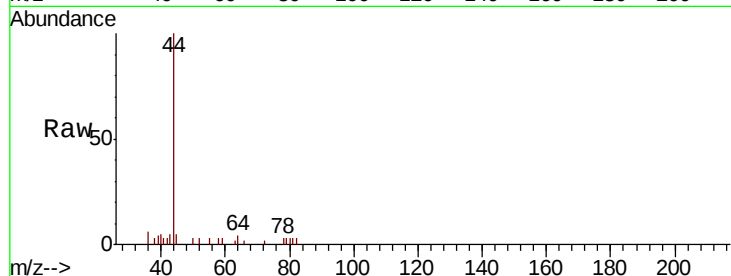
RLF-SW-4

Tot Ion: 64 Resp: 71

Ion Ratio Lower Upper

64 100

66 54.9 24.6 36.8#



#10

Methyl Iodide

Concen: 2.577 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005406.D

Acq: 17 Oct 2018 22:54

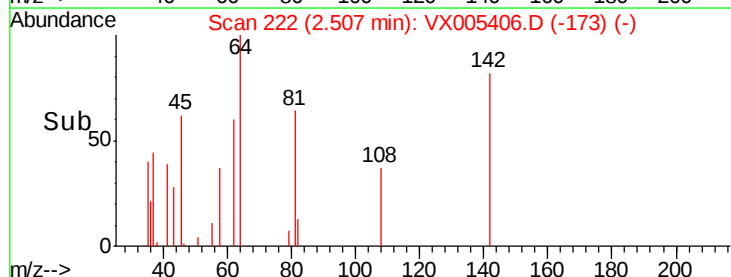
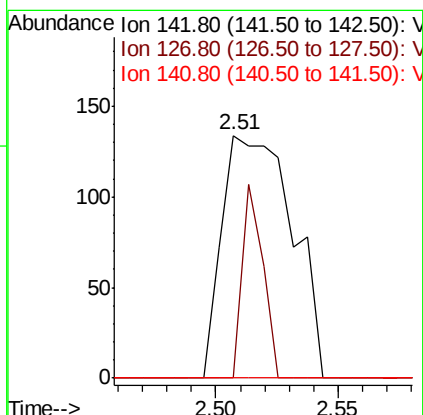
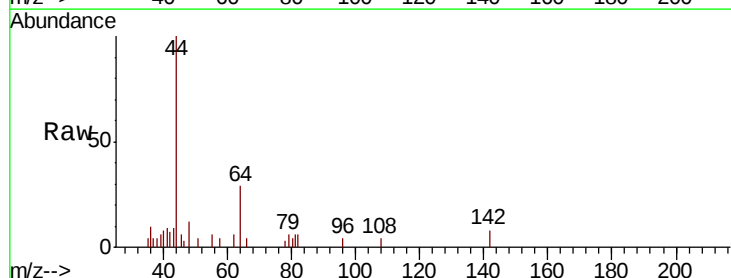
Tgt Ion: 142 Resp: 268

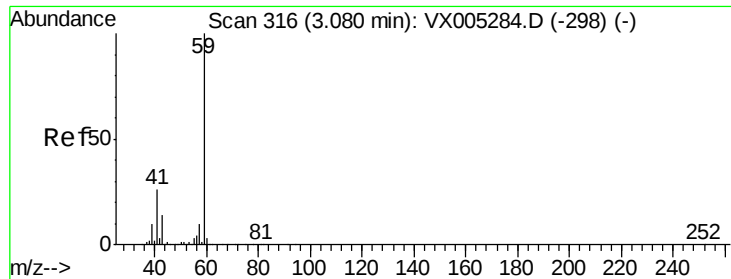
Ion Ratio Lower Upper

142 100

127 23.1 33.8 50.6#

141 0.0 11.4 17.0#

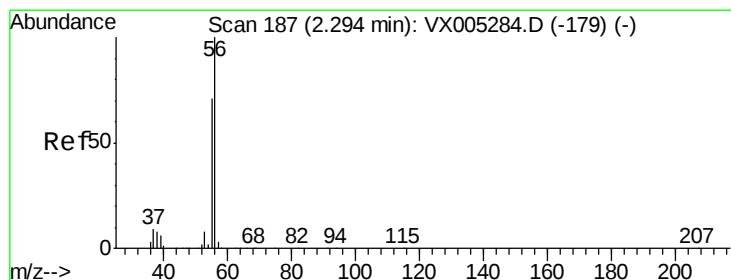
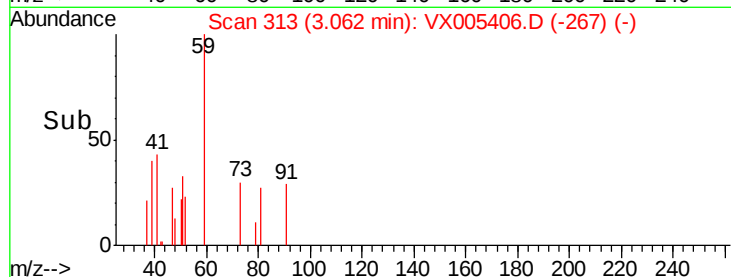
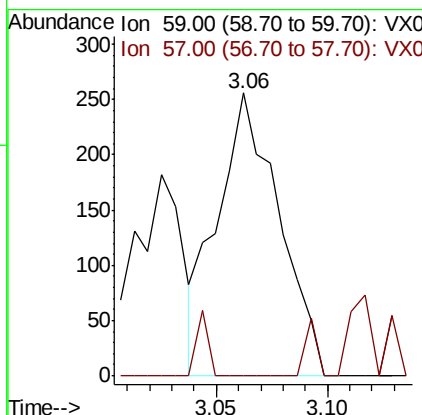
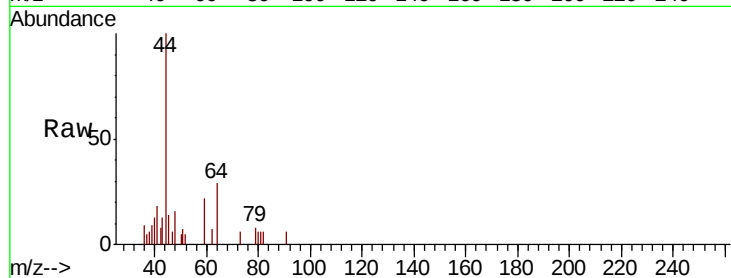




#11
Tert butyl alcohol
Concen: 0.527 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX005406.D
Acq: 17 Oct 2018 22:54

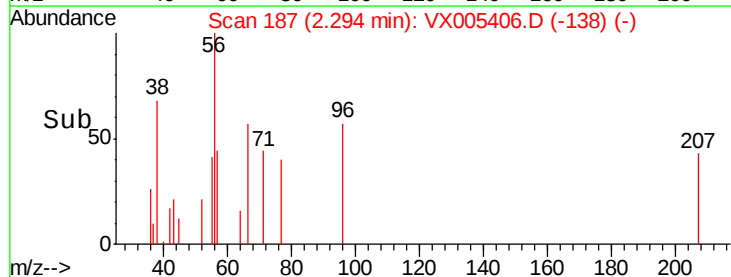
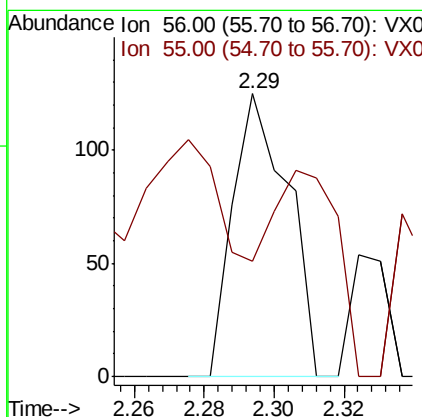
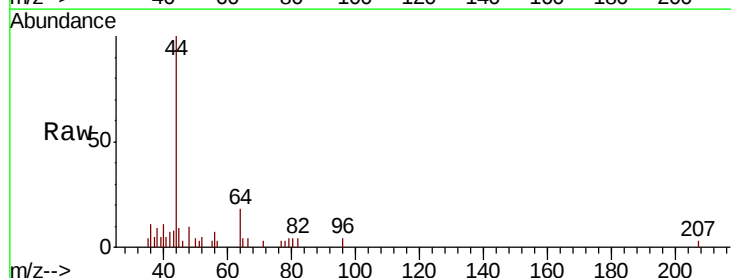
Instrument :
MSVOA_X
ClientSampled :
RLF-SW-4

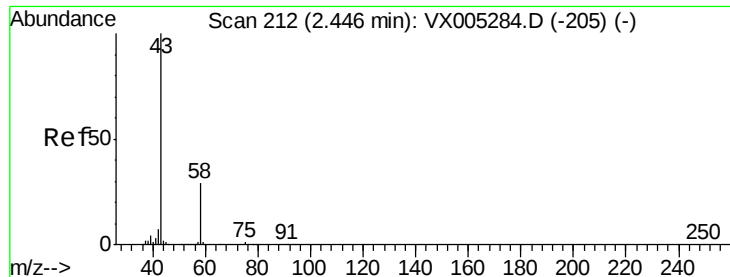
Tot Ion: 59 Resp: 493
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005406.D
Acq: 17 Oct 2018 22:54

Tgt Ion: 56 Resp: 137
Ion Ratio Lower Upper
56 100
55 86.1 54.7 82.1#





#16

Acetone

Concen: 4.729 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005406.D

Acq: 17 Oct 2018 22:54

Instrument :

MSVOA_X

ClientSampleId :

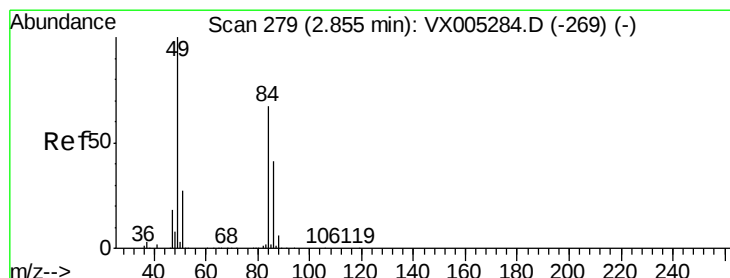
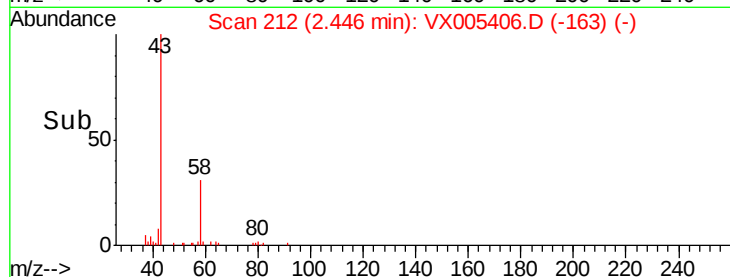
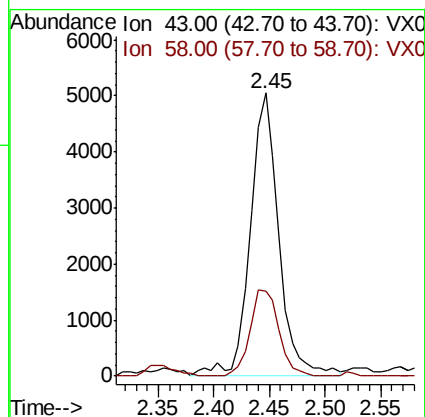
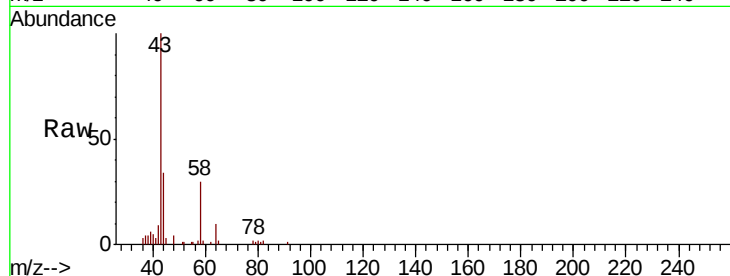
RLF-SW-4

Tot Ion: 43 Resp: 9061

Ion Ratio Lower Upper

43 100

58 30.1 26.2 39.4



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005406.D

Acq: 17 Oct 2018 22:54

Tgt Ion: 84 Resp: 611

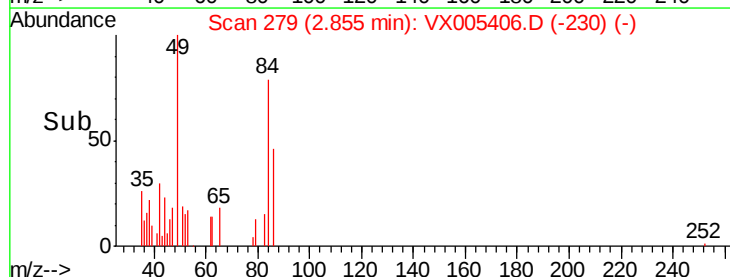
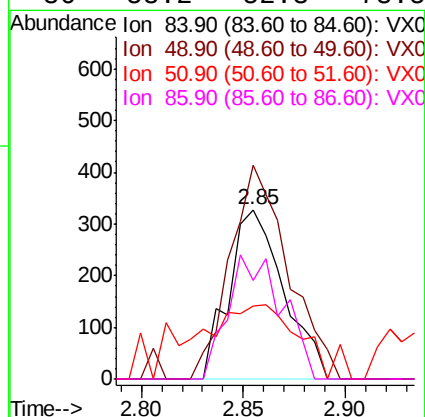
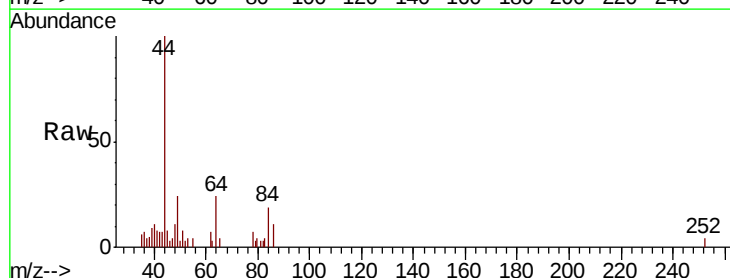
Ion Ratio Lower Upper

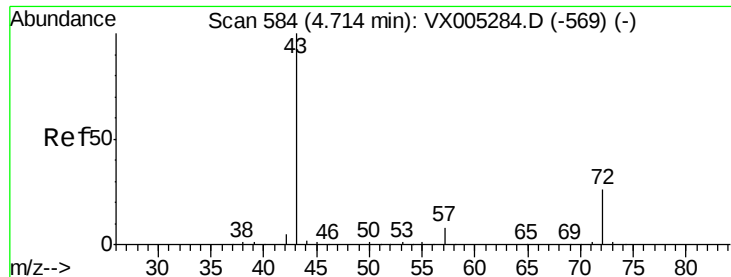
84 100

49 125.9 101.2 151.8

51 22.3 29.5 44.3#

86 58.2 52.3 78.5





#25

2-Butanone

Concen: 0.297 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.01 min

Lab File: VX005406.D

Acq: 17 Oct 2018 22:54

Instrument :

MSVOA_X

ClientSampleId :

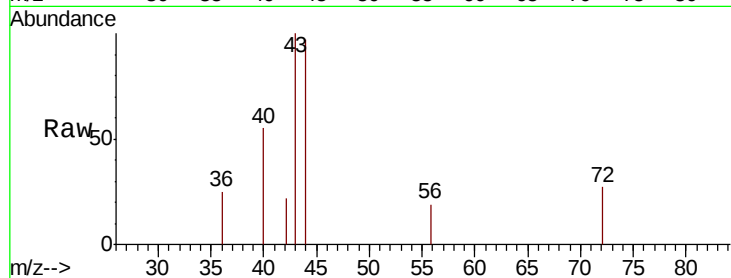
RLF-SW-4

Tot Ion: 43 Resp: 833

Ion Ratio Lower Upper

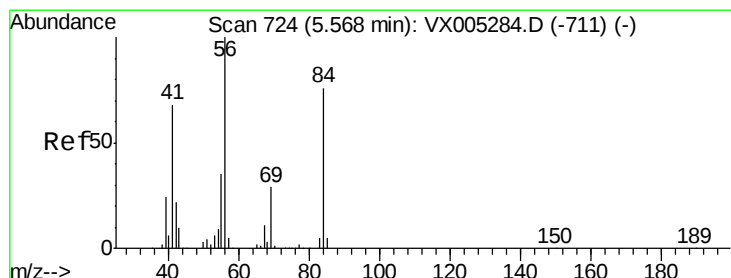
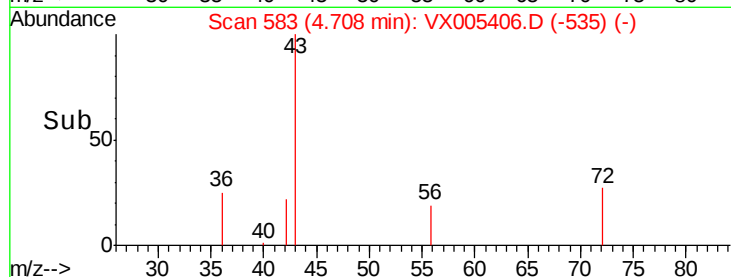
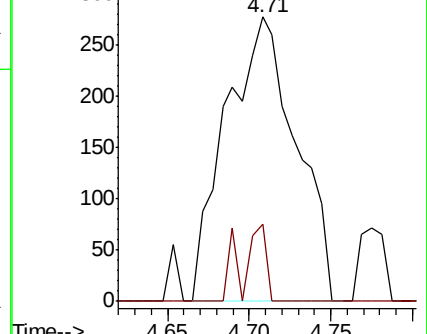
43 100

72 26.7 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.116 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005406.D

Acq: 17 Oct 2018 22:54

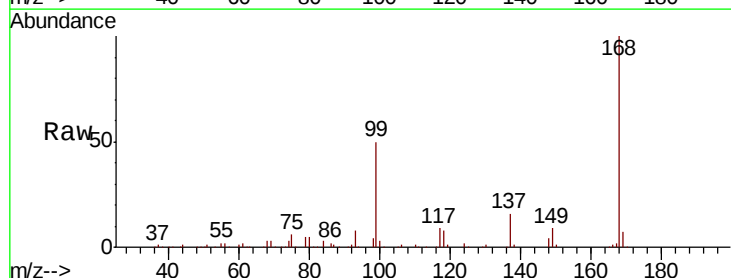
Tgt Ion: 56 Resp: 5085

Ion Ratio Lower Upper

56 100

69 185.0 25.4 38.2#

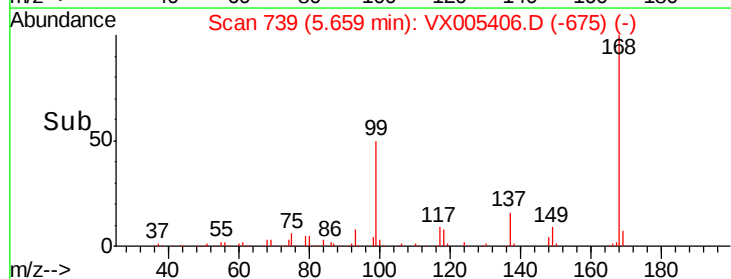
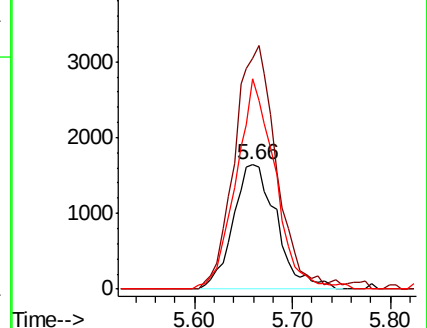
84 169.0 71.4 107.2#

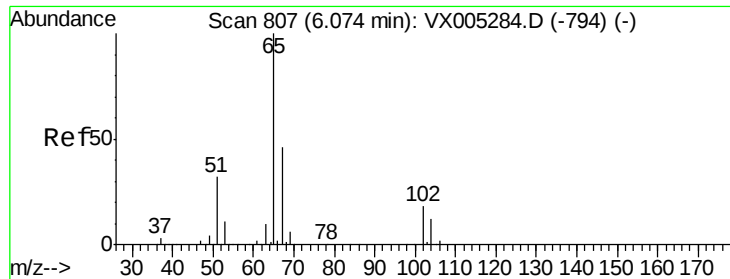


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

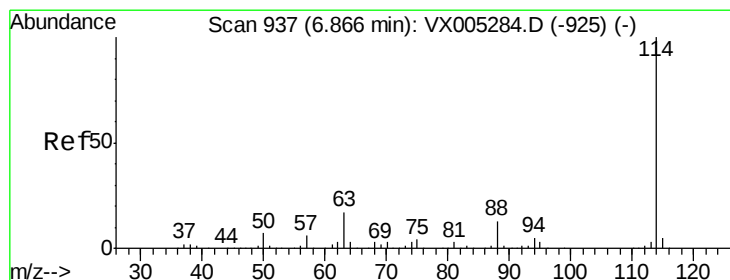
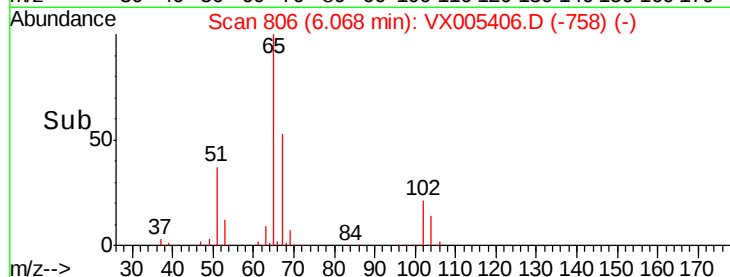
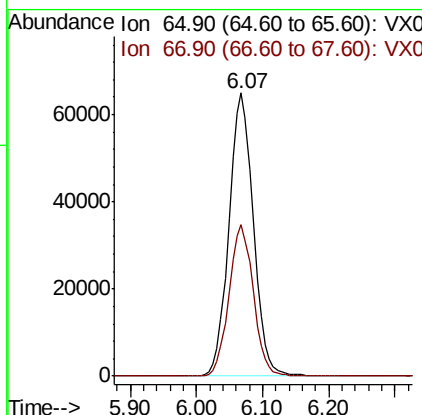
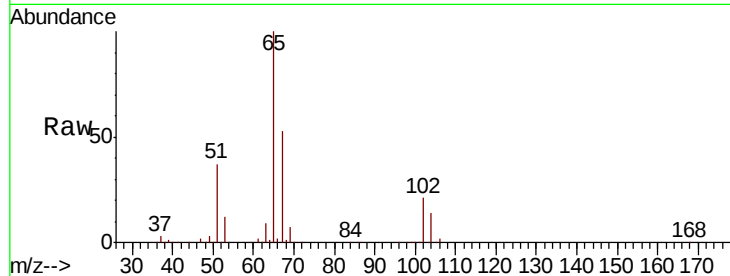




#33
 1,2-Dichloroethane-d4
 Concen: 50.125 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005406.D
 Acq: 17 Oct 2018 22:54

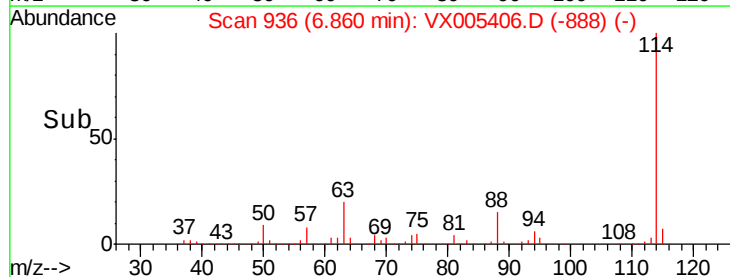
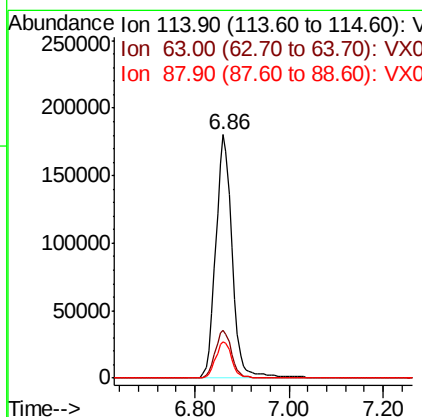
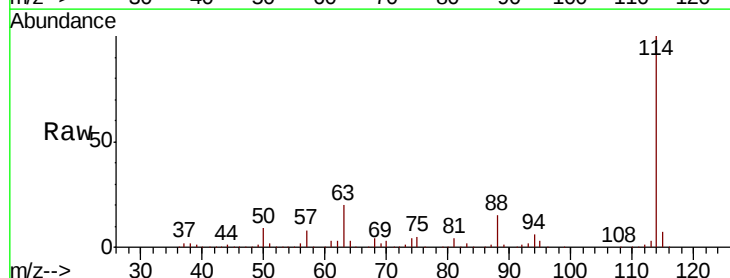
Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-4

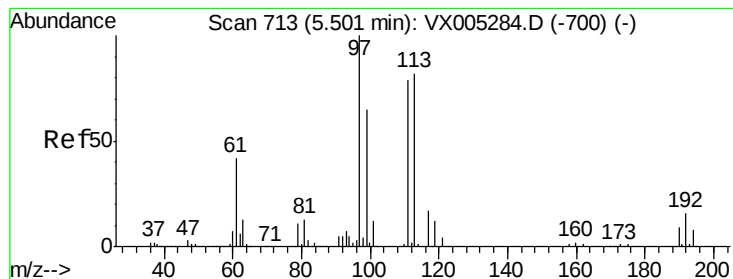
Tot Ion: 65 Resp: 166094
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005406.D
 Acq: 17 Oct 2018 22:54

Tgt Ion: 114 Resp: 435628
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.0
 88 15.0 0.0 30.4





#35

Dibromofluoromethane

Concen: 46.971 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005406.D

Acq: 17 Oct 2018 22:54

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-4

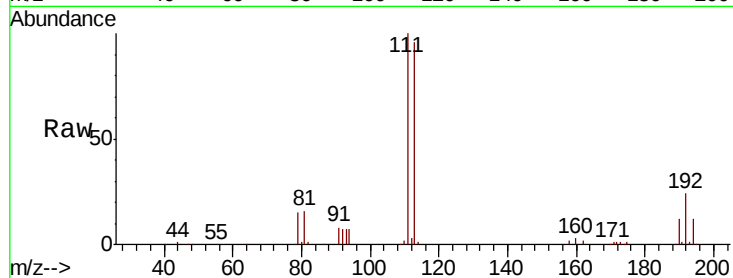
Tot Ion:113 Resp: 135525

Ion Ratio Lower Upper

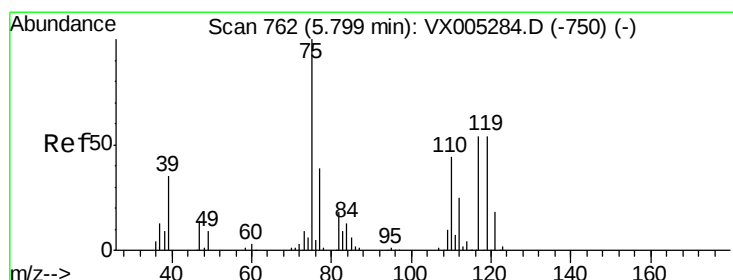
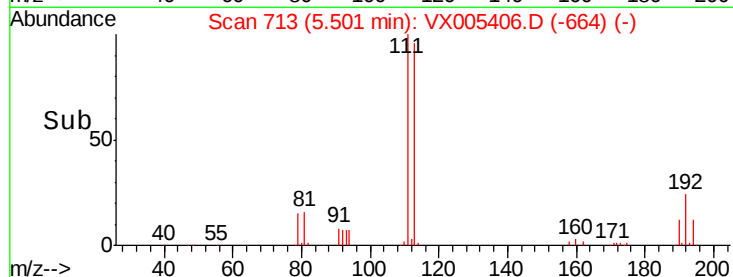
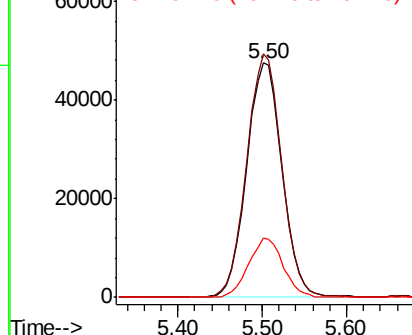
113 100

111 103.0 82.4 123.6

192 24.8 19.4 29.2



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: 4.583 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005406.D

Acq: 17 Oct 2018 22:54

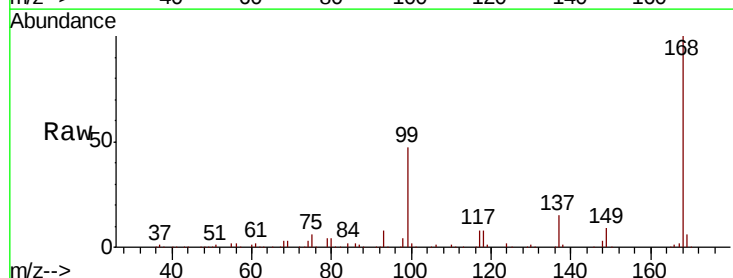
Tgt Ion: 75 Resp: 19336

Ion Ratio Lower Upper

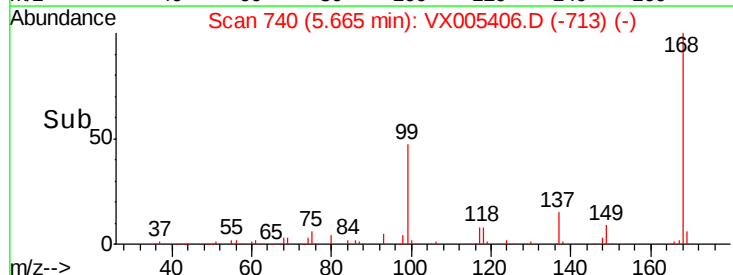
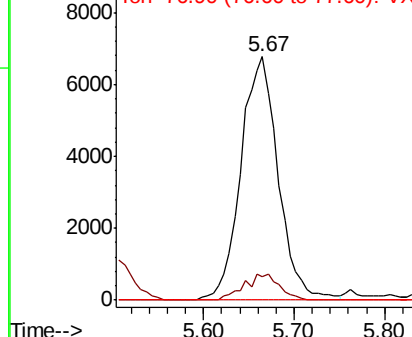
75 100

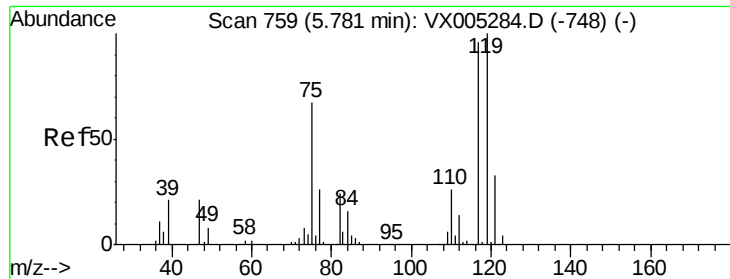
110 10.1 18.0 54.0#

77 0.0 24.6 36.8#



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: 6.075 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005406.D

Acq: 17 Oct 2018 22:54

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-4

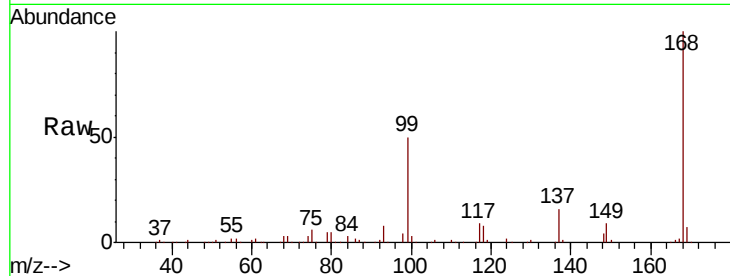
Tot Ion:117 Resp: 25755

Ion Ratio Lower Upper

117 100

119 6.7 78.8 118.2#

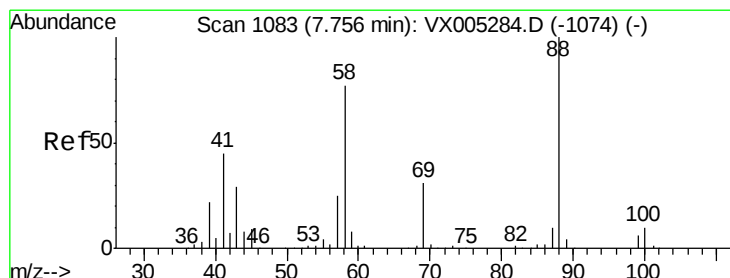
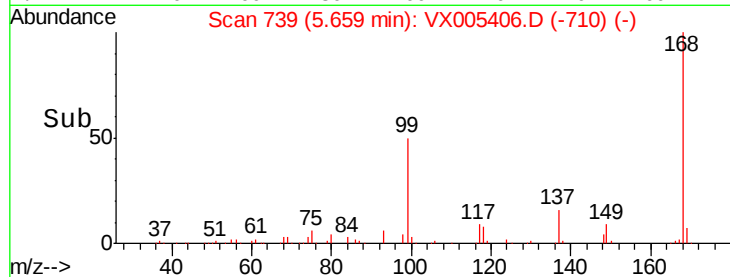
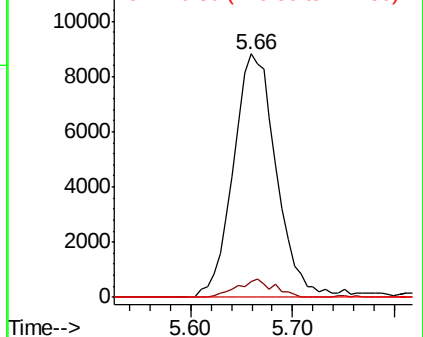
121 0.0 24.9 37.3#



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: 0.231 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.07 min

Lab File: VX005406.D

Acq: 17 Oct 2018 22:54

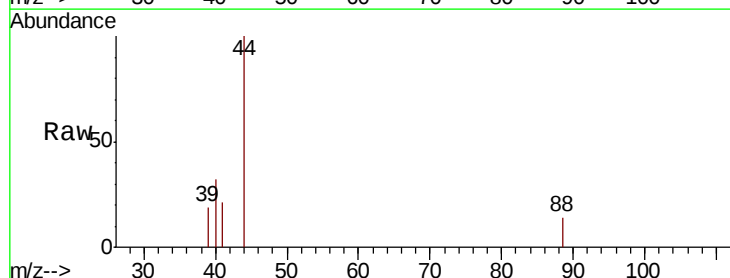
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 130.0 24.7 37.1#

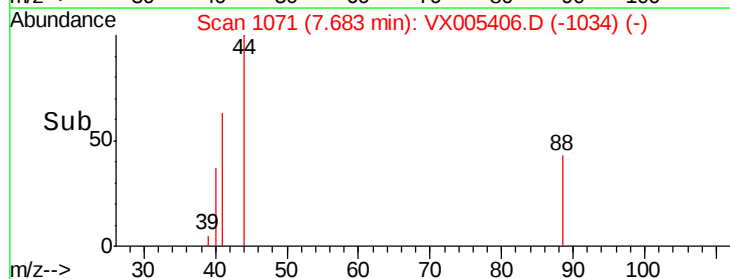
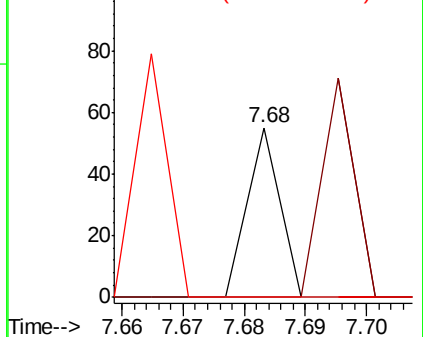
58 0.0 55.3 82.9#

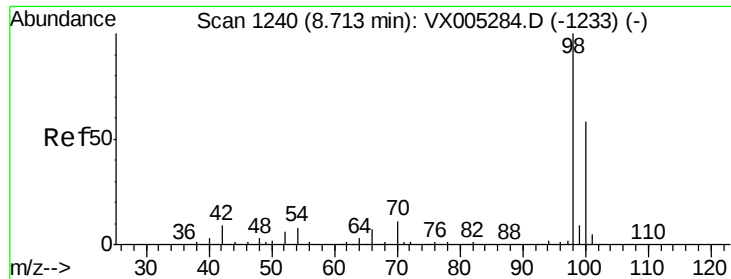


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.505 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005406.D

Acq: 17 Oct 2018 22:54

Instrument :

MSVOA_X

ClientSampleId :

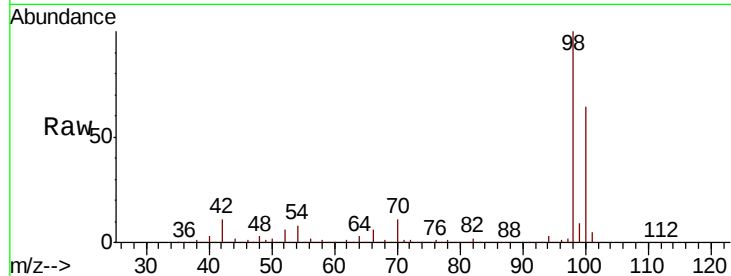
RLF-SW-4

Tot Ion: 98 Resp: 510172

Ion Ratio Lower Upper

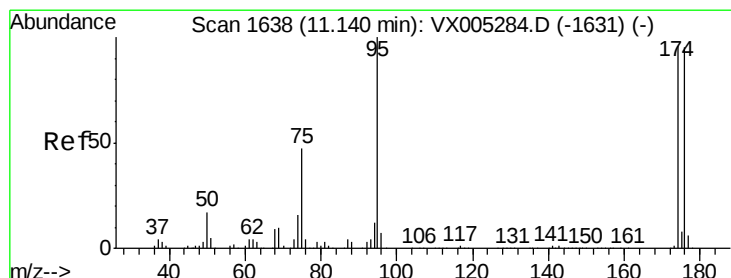
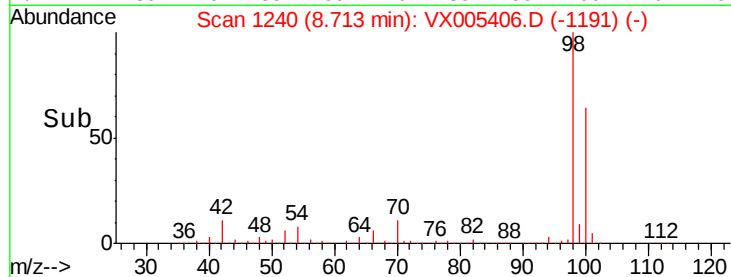
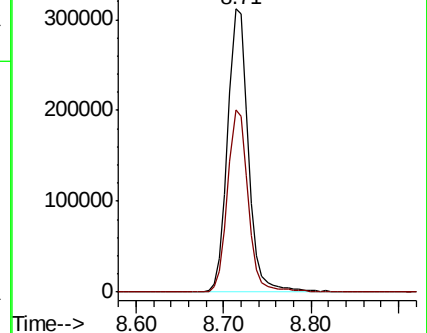
98 100

100 64.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 44.996 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005406.D

Acq: 17 Oct 2018 22:54

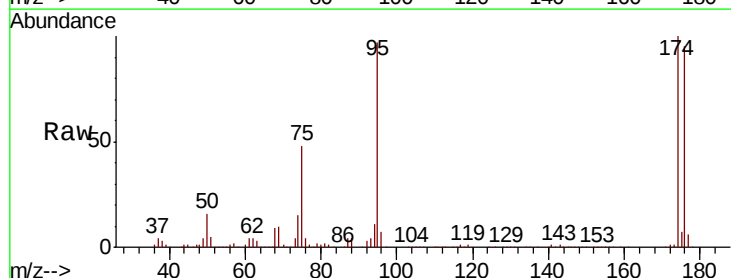
Tgt Ion: 95 Resp: 167433

Ion Ratio Lower Upper

95 100

174 97.2 0.0 185.2

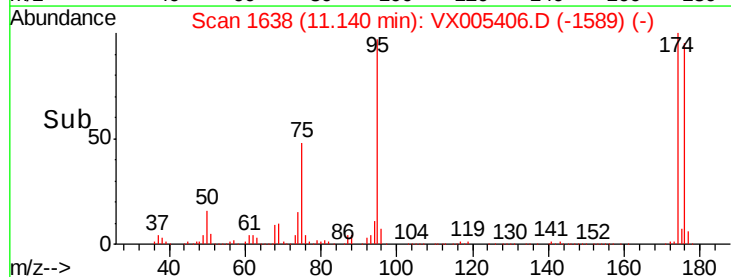
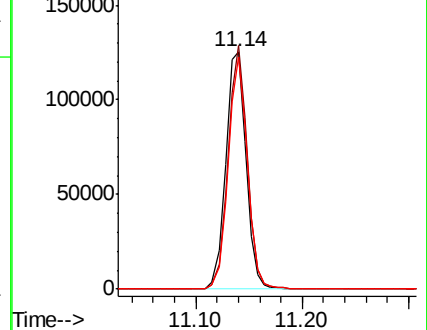
176 92.9 0.0 178.6

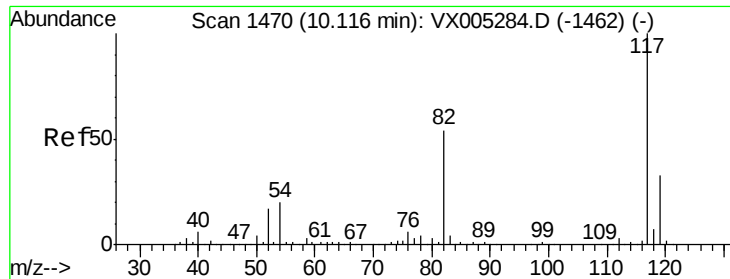


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

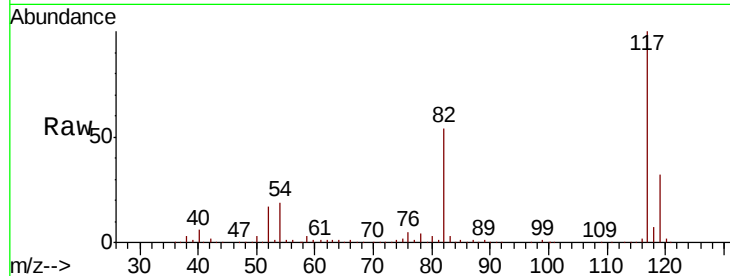




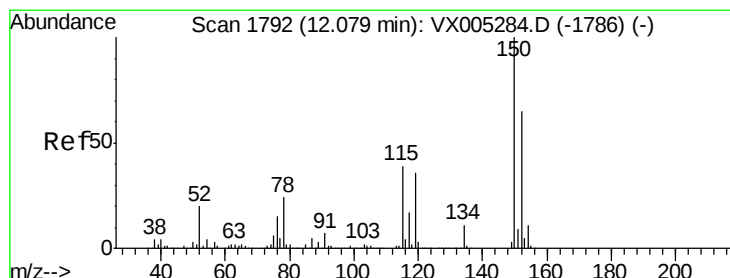
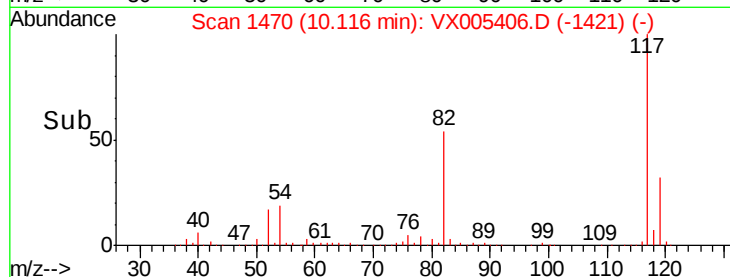
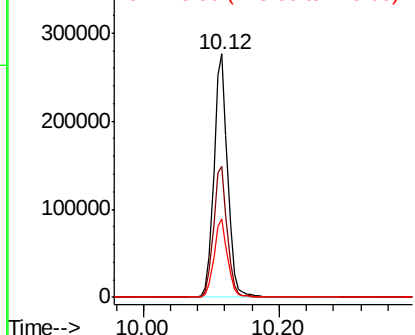
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005406.D
Acq: 17 Oct 2018 22:54

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-4

Tot Ion:117 Resp: 384809
Ion Ratio Lower Upper
117 100
82 53.8 47.8 71.6
119 32.3 29.3 43.9

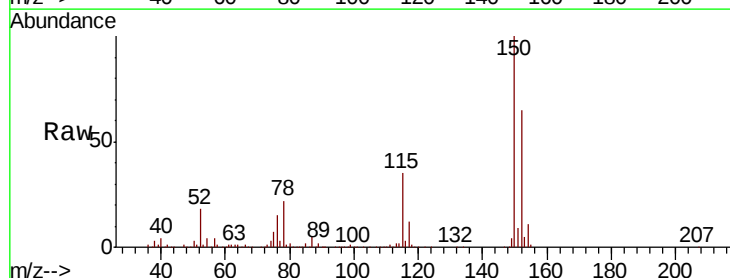


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

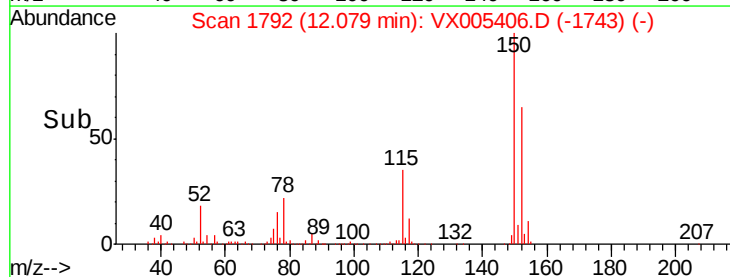
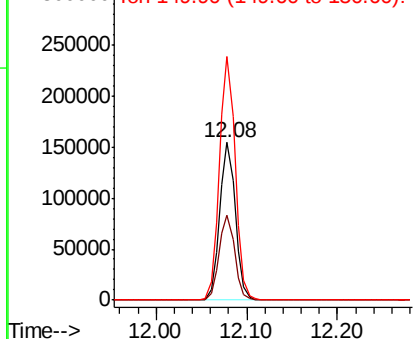


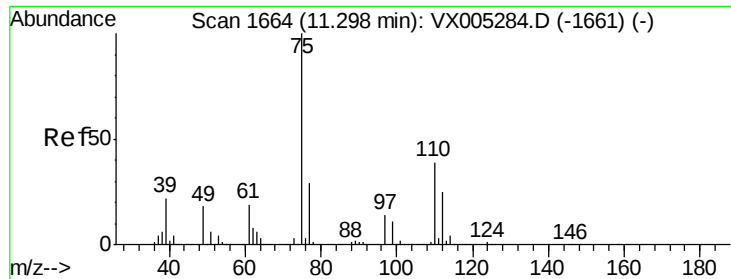
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005406.D
Acq: 17 Oct 2018 22:54

Tgt Ion:152 Resp: 186606
Ion Ratio Lower Upper
152 100
115 54.1 39.0 117.0
150 156.6 0.0 351.0



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: 22.728 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005406.D

Acq: 17 Oct 2018 22:54

Instrument :

MSVOA_X

ClientSampled :

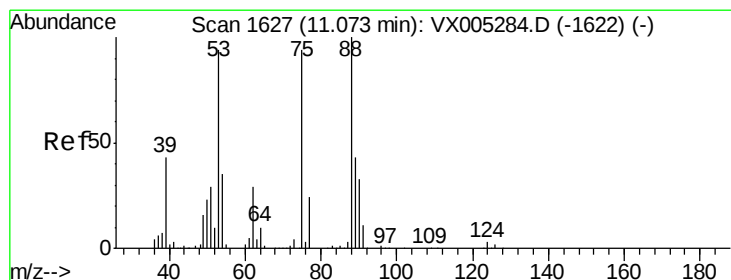
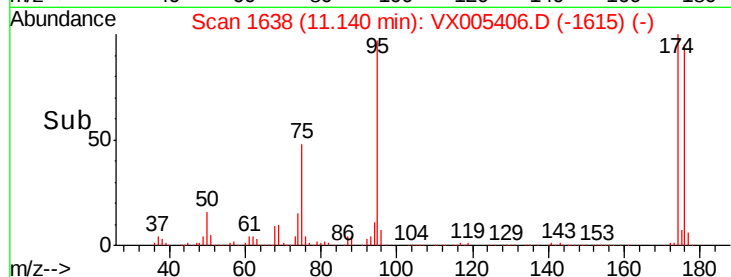
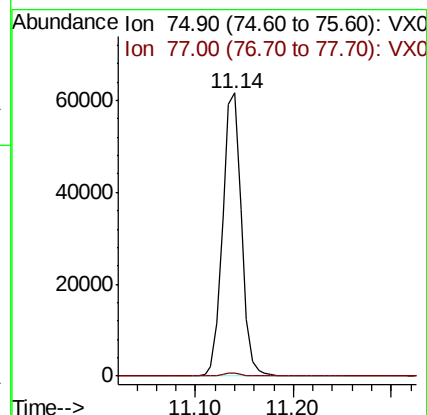
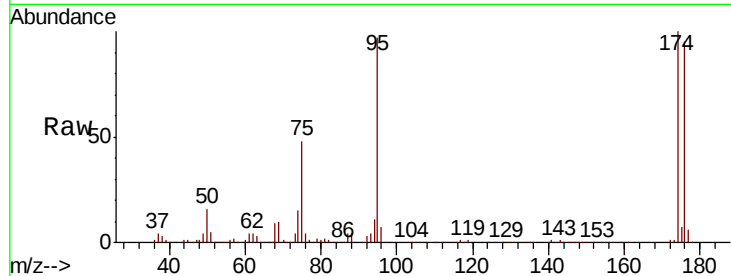
RLF-SW-4

Tot Ion: 75 Resp: 82266

Ion Ratio Lower Upper

75 100

77 1.2 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.058 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005406.D

Acq: 17 Oct 2018 22:54

Tgt Ion: 75 Resp: 82266

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#

