

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111718\
 Data File : VX006067.D
 Acq On : 17 Nov 2018 14:39
 Operator : JC/MD
 Sample : J5984-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Nov 19 00:14:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	112153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	162848	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	152711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	72152	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	67819	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	
35) Dibromofluoromethane	5.49	113	54494	49.20	ug/l	-0.01
Spiked Amount			Recovery	=	98.40%	
50) Toluene-d8	8.71	98	197276	53.57	ug/l	0.00
Spiked Amount			Recovery	=	107.14%	
62) 4-Bromofluorobenzene	11.13	95	66886	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	

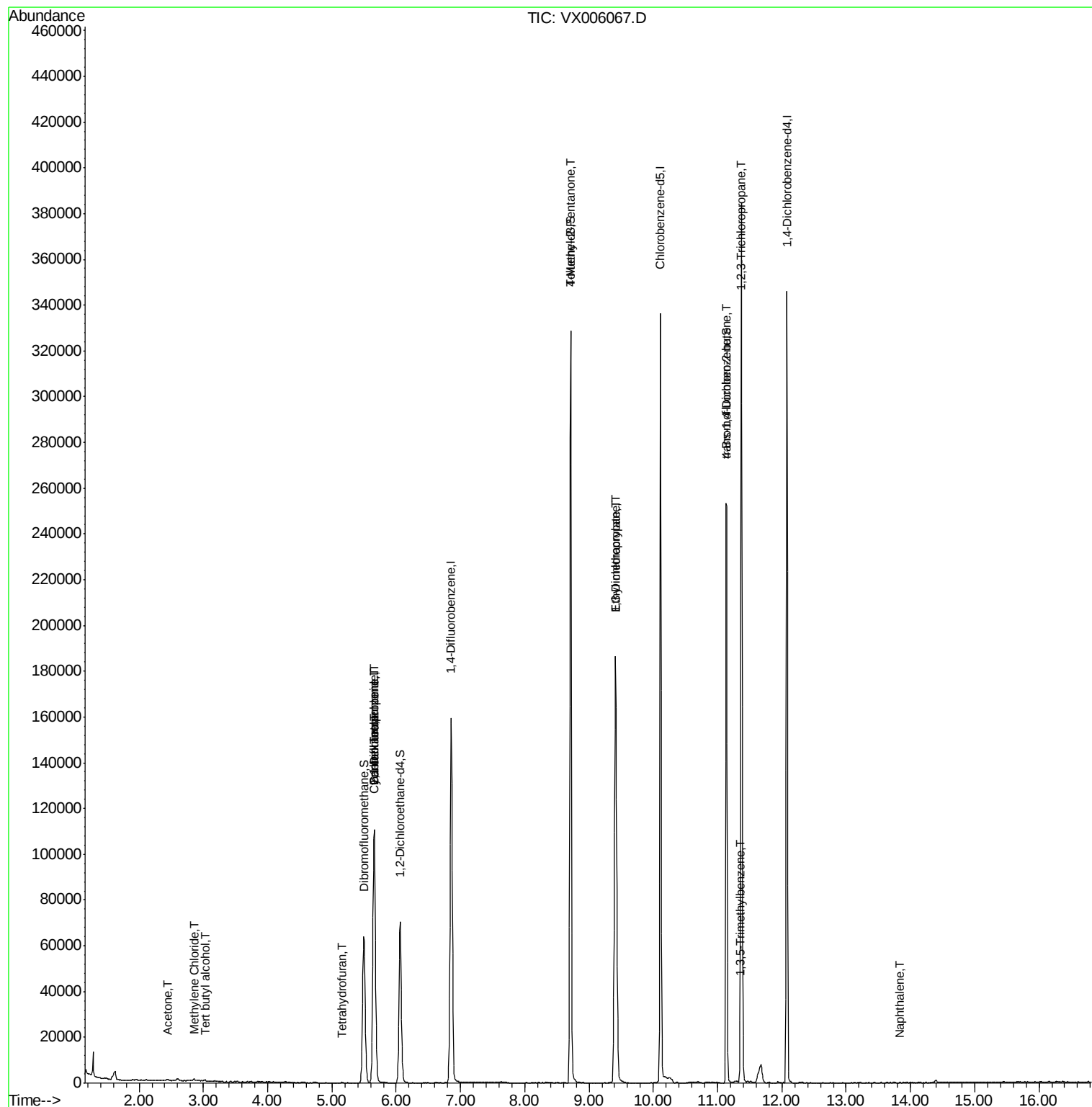
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	446	1.208	ug/l #	72
16) Acetone	2.43	43	578	0.833	ug/l #	80
18) Methyl Acetate	2.78	43	289	Below Cal	#	55
20) Methylene Chloride	2.85	84	256	0.224	ug/l #	90
29) Tetrahydrofuran	5.15	42	170	0.243	ug/l #	36
31) Cyclohexane	5.65	56	2025	1.127	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	7534	4.799	ug/l #	49
38) Carbon Tetrachloride	5.66	117	10245	6.519	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	858	0.455	ug/l #	1
56) Ethyl methacrylate	9.41	69	8891	5.213	ug/l #	33
57) 1,3-Dichloropropane	9.41	76	3963	2.069	ug/l #	64
76) 1,2,3-Trichloropropane	11.37	75	10731	7.304	ug/l	98
80) 1,3,5-Trimethylbenzene	11.34	105	976	0.275	ug/l	76
81) trans-1,4-Dichloro-2-buten	11.13	75	33262	72.157	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	294	Below Cal	#	57
95) Naphthalene	13.83	128	185	1.212	ug/l #	69

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111718\
Data File : VX006067.D
Acq On : 17 Nov 2018 14:39
Operator : JC/MD
Sample : J5984-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Quant Time: Nov 19 00:14:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX006067.D

Acq: 17 Nov 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

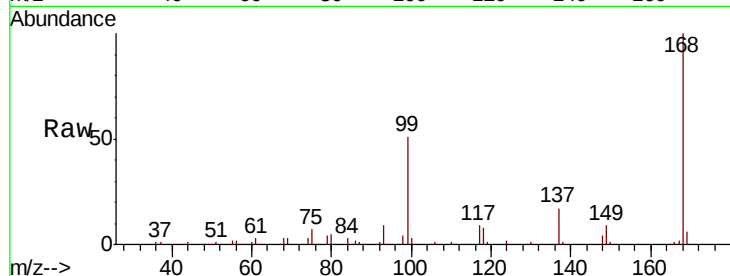
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 112153

Ion Ratio Lower Upper

168 100

99 50.9 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

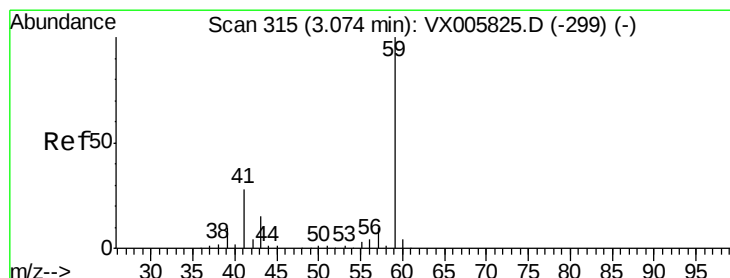
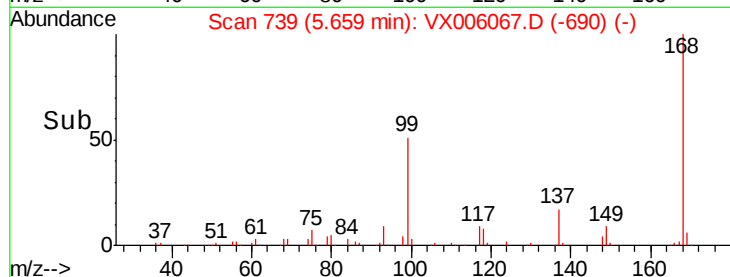
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 1.208 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX006067.D

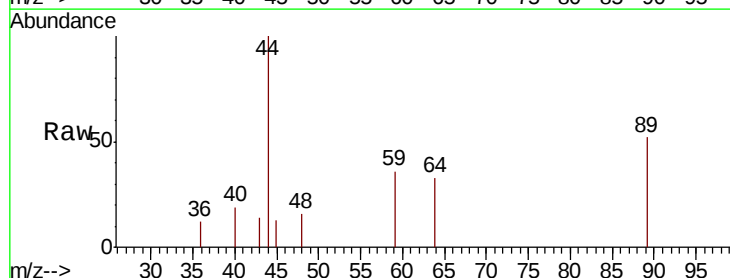
Acq: 17 Nov 2018 14:39

Tgt Ion: 59 Resp: 446

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

200

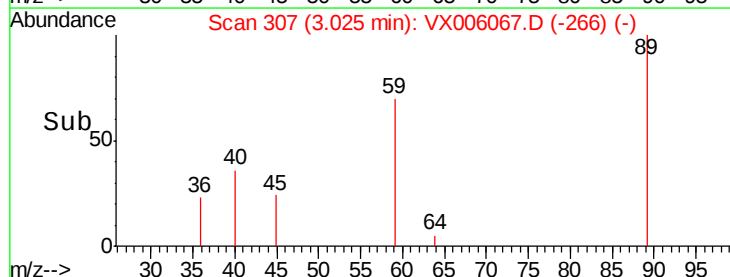
150

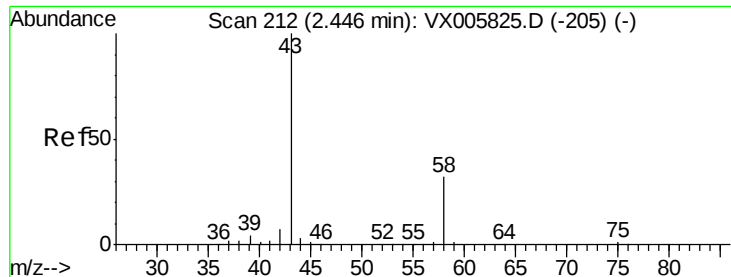
100

50

0

Time--> 2.95 3.00 3.05





#16

Acetone

Concen: 0.833 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX006067.D

Acq: 17 Nov 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

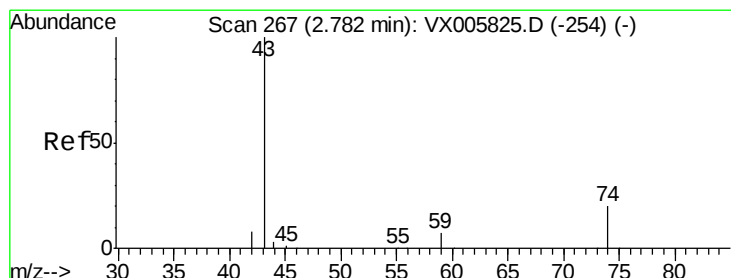
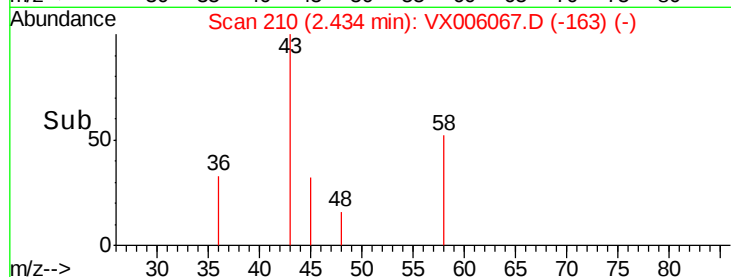
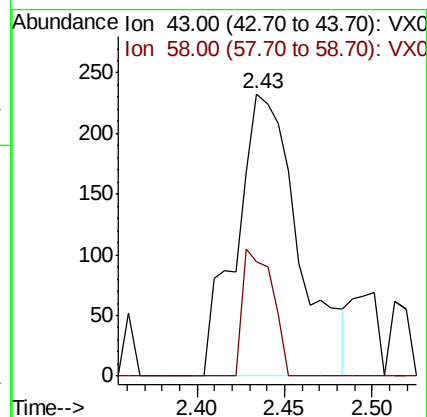
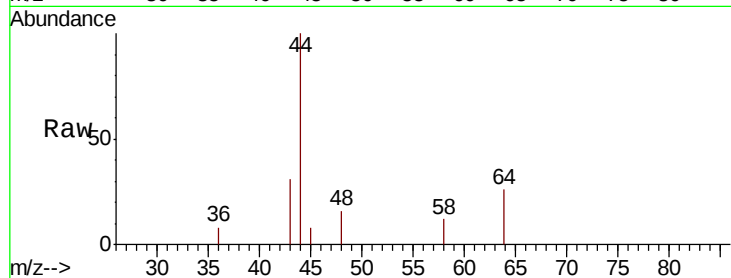
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 578

Ion Ratio Lower Upper

43 100

58 40.3 23.8 35.6#



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX006067.D

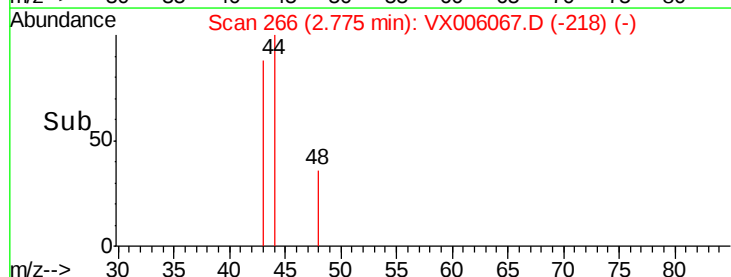
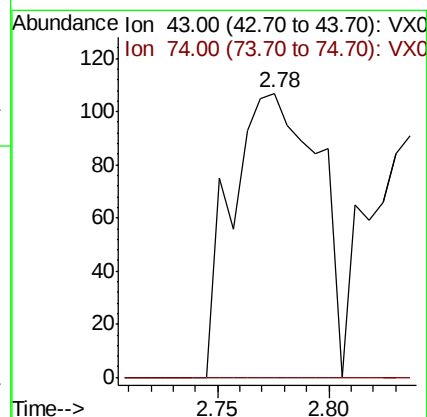
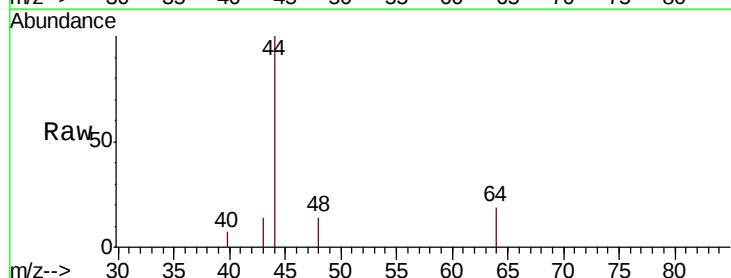
Acq: 17 Nov 2018 14:39

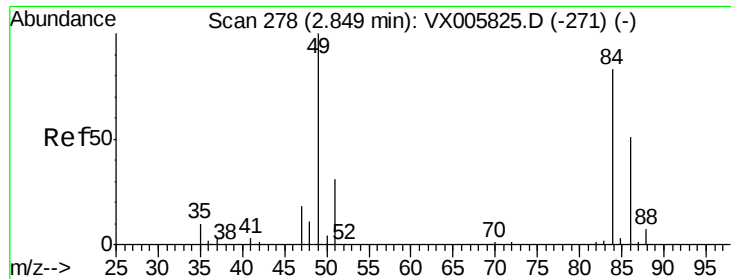
Tgt Ion: 43 Resp: 289

Ion Ratio Lower Upper

43 100

74 0.0 16.8 25.2#

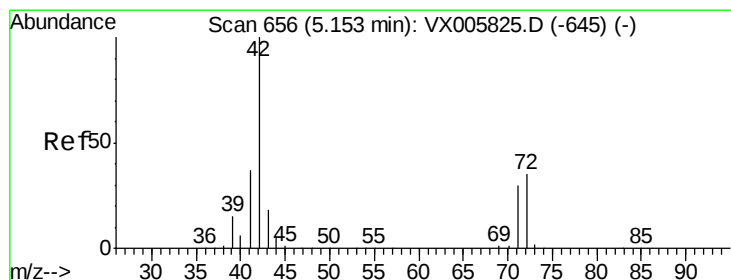
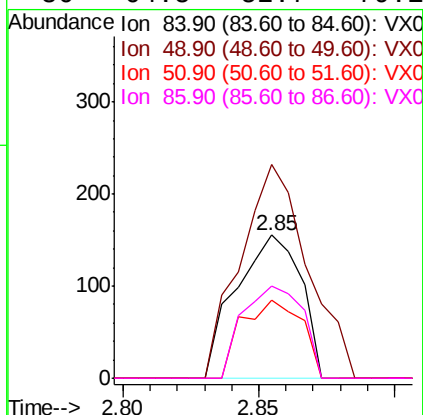
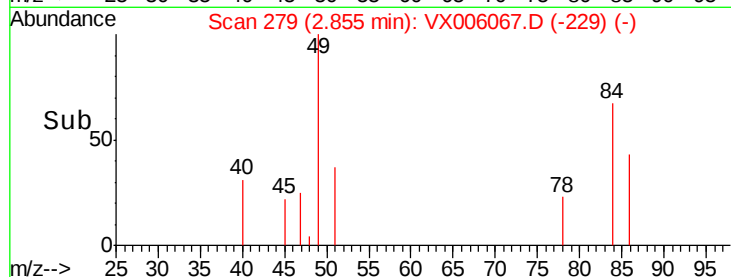
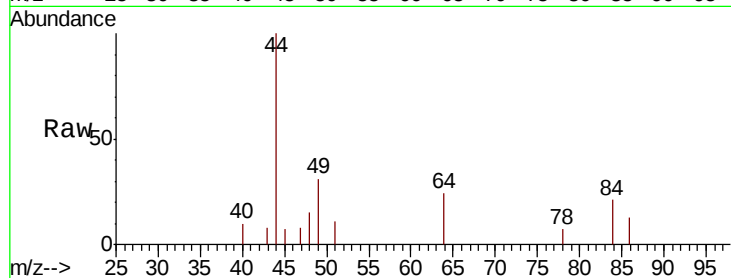




#20
Methylene Chloride
Concen: 0.224 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX006067.D
Acq: 17 Nov 2018 14:39

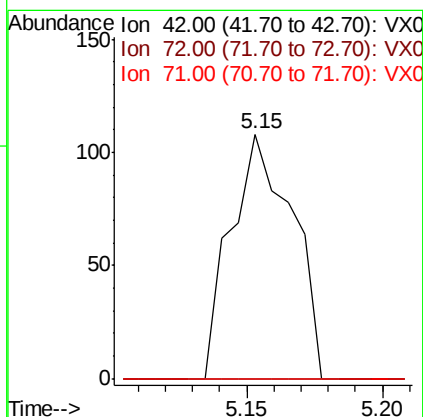
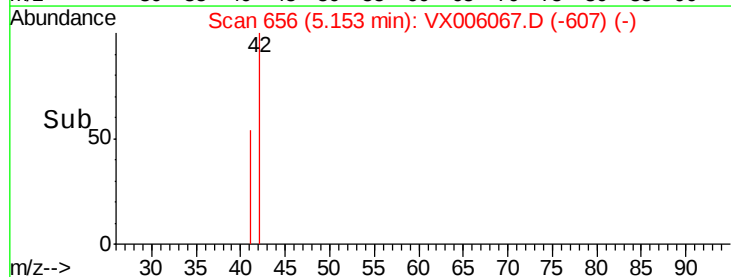
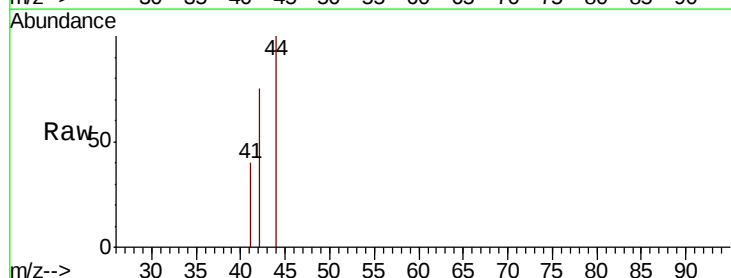
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

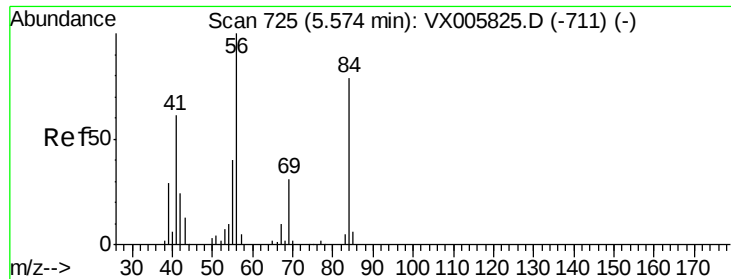
Tot Ion: 84 Resp: 256
Ion Ratio Lower Upper
84 100
49 149.7 109.5 164.3
51 54.8 33.3 49.9#
86 64.5 52.7 79.1



#29
Tetrahydrofuran
Concen: 0.243 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006067.D
Acq: 17 Nov 2018 14:39

Tgt Ion: 42 Resp: 170
Ion Ratio Lower Upper
42 100
72 0.0 32.0 48.0#
71 0.0 29.8 44.8#

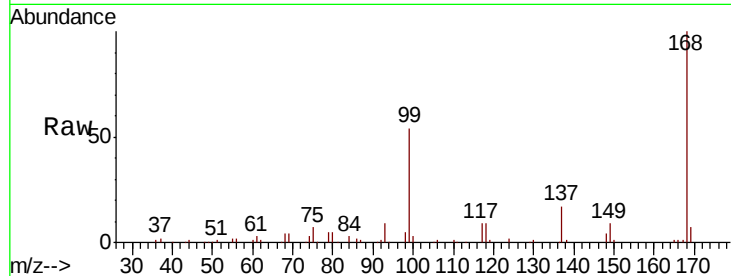




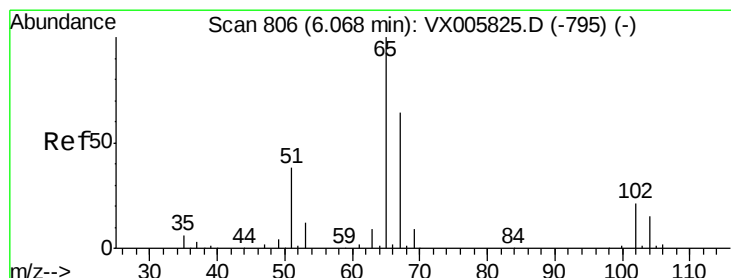
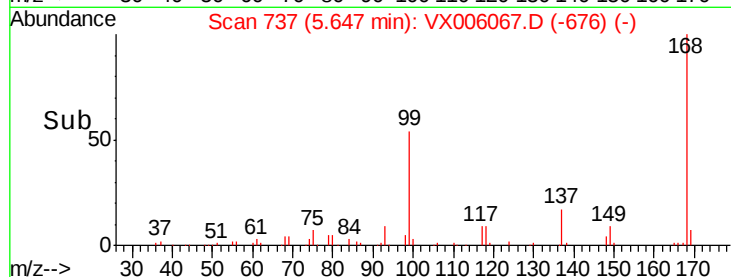
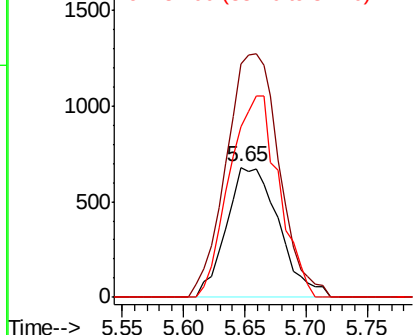
#31
Cyclohexane
Concen: 1.127 ug/l
RT: 5.65 min Scan# 737
Delta R.T. 0.07 min
Lab File: VX006067.D
Acq: 17 Nov 2018 14:39

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 56 Resp: 2025
Ion Ratio Lower Upper
56 100
69 178.7 22.6 34.0#
84 131.3 62.7 94.1#

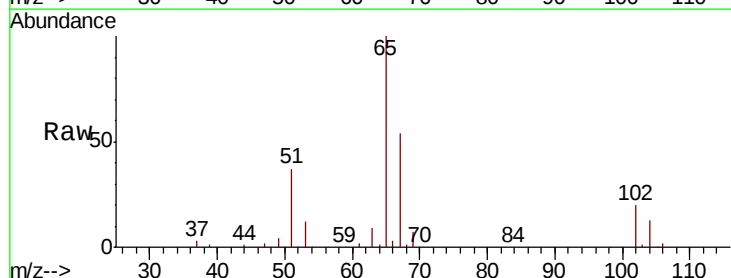


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

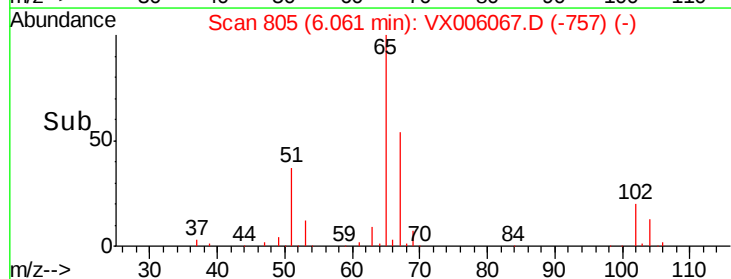
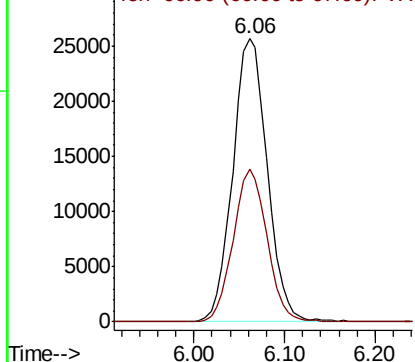


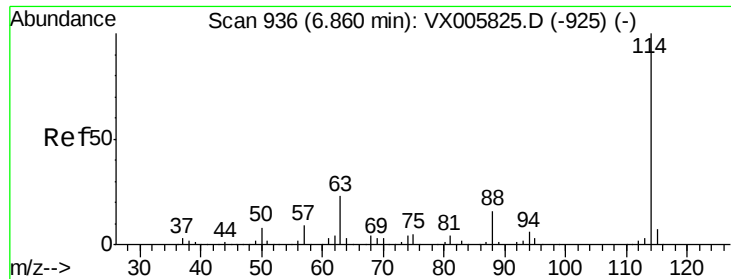
#33
1,2-Dichloroethane-d4
Concen: 52.600 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX006067.D
Acq: 17 Nov 2018 14:39

Tgt Ion: 65 Resp: 67819
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

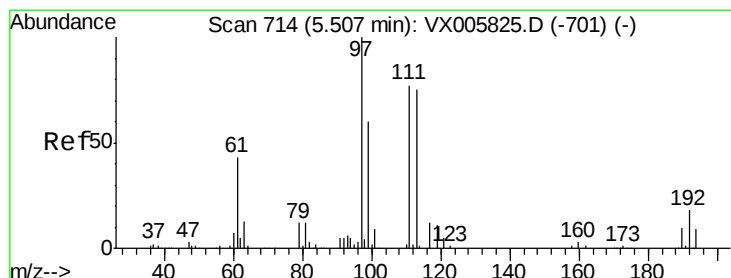
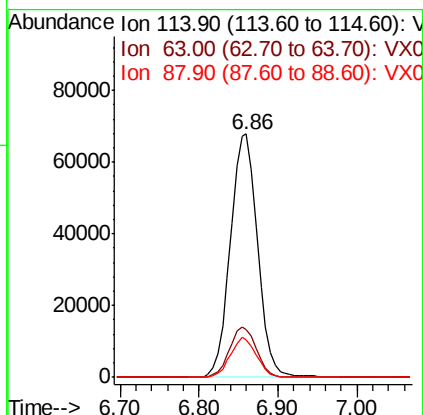
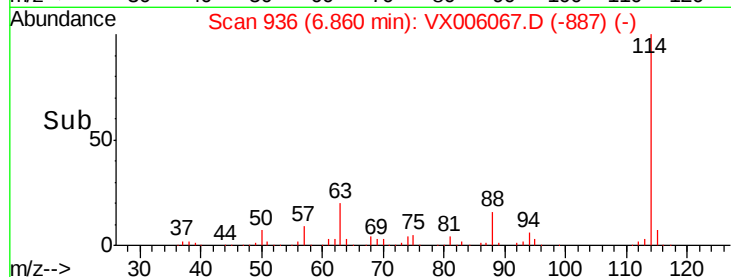
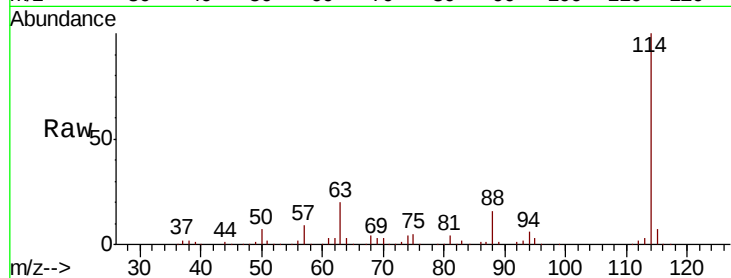




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX006067.D
Acq: 17 Nov 2018 14:39

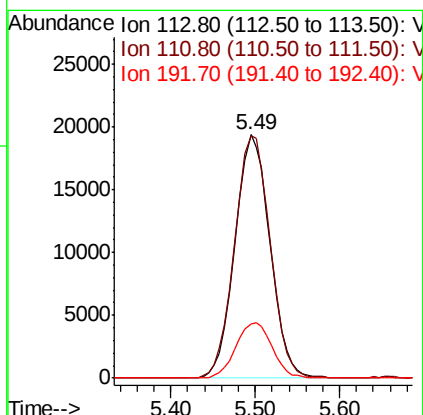
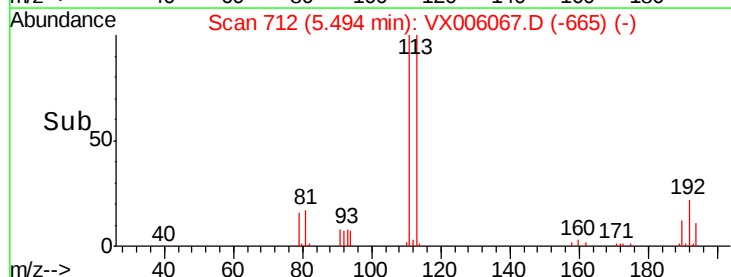
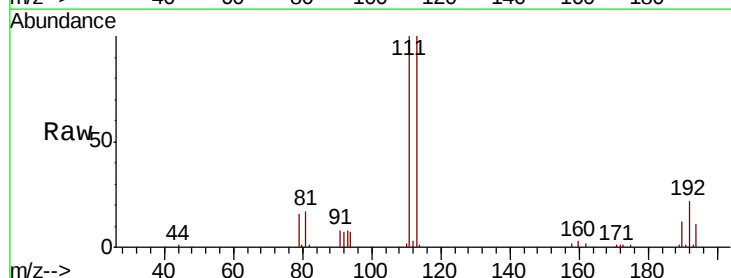
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

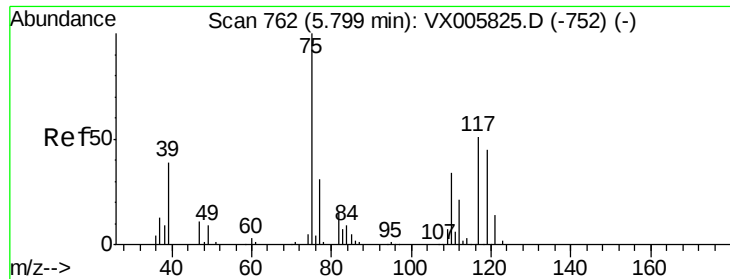
Tot Ion:114 Resp: 162848
Ion Ratio Lower Upper
114 100
63 19.8 0.0 42.8
88 15.6 0.0 31.2



#35
Dibromofluoromethane
Concen: 49.200 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX006067.D
Acq: 17 Nov 2018 14:39

Tgt Ion:113 Resp: 54494
Ion Ratio Lower Upper
113 100
111 101.9 82.3 123.5
192 23.6 17.9 26.9

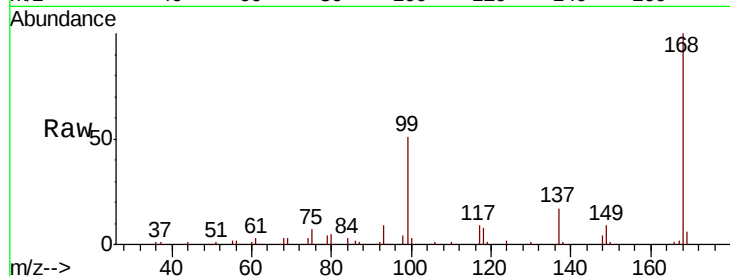




#36
 1,1-Dichloropropene
 Concen: 4.799 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX006067.D
 Acq: 17 Nov 2018 14:39

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.4	52.2#
77	0.0	25.8	38.6#

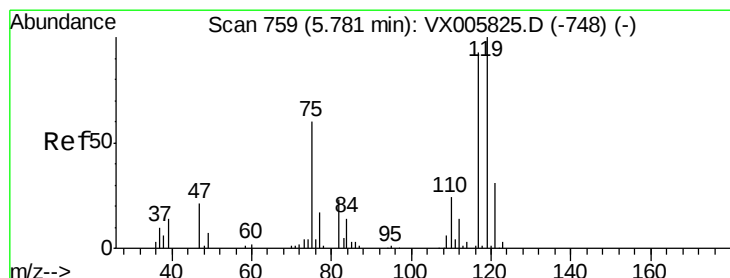
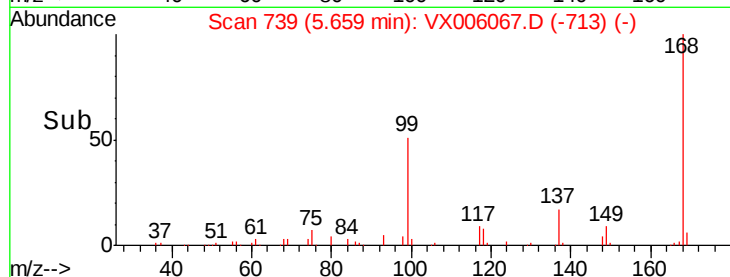
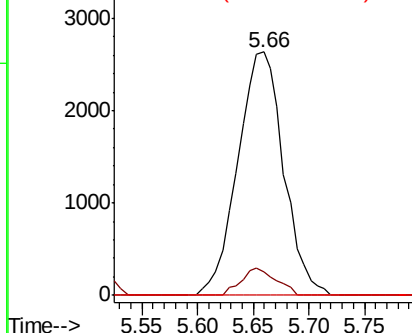


Abundance

Ion 74.90 (74.60 to 75.60): VX006067.D (-713) (-)

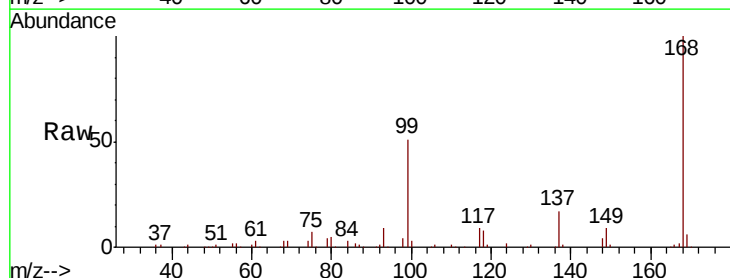
Ion 109.90 (109.60 to 110.60): VX006067.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX006067.D (-713) (-)



#38
 Carbon Tetrachloride
 Concen: 6.519 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX006067.D
 Acq: 17 Nov 2018 14:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	78.1	117.1#
121	0.0	24.6	36.8#

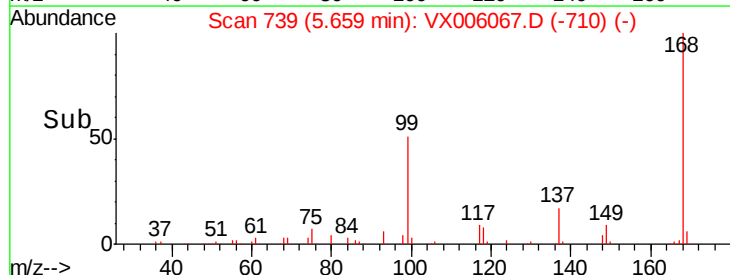
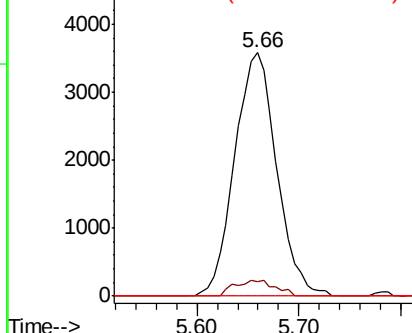


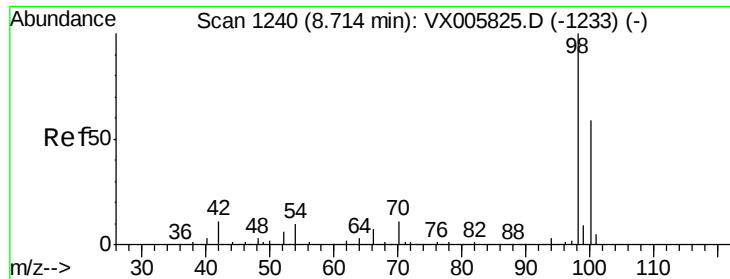
Abundance

Ion 116.80 (116.50 to 117.50): VX006067.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX006067.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX006067.D (-710) (-)





#50

Toluene-d8

Concen: 53.574 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006067.D

Acq: 17 Nov 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

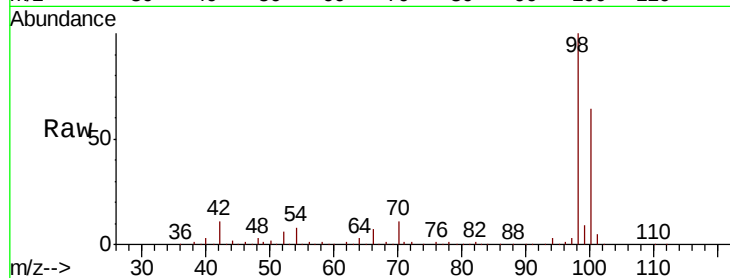
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 98 Resp: 197276

Ion Ratio Lower Upper

98 100

100 63.4 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

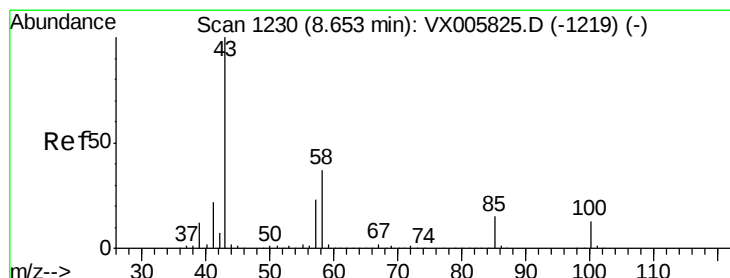
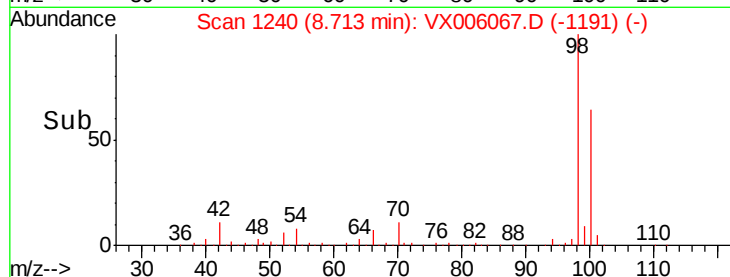
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.455 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX006067.D

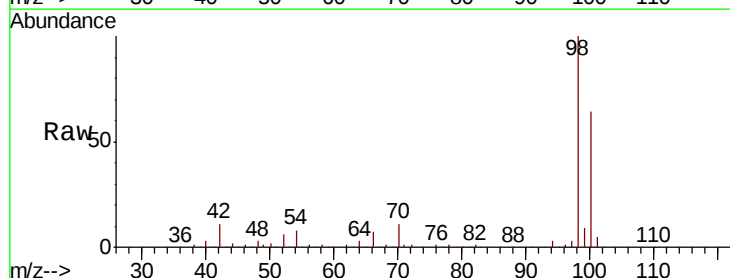
Acq: 17 Nov 2018 14:39

Tgt Ion: 43 Resp: 858

Ion Ratio Lower Upper

43 100

58 185.5 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1000

800

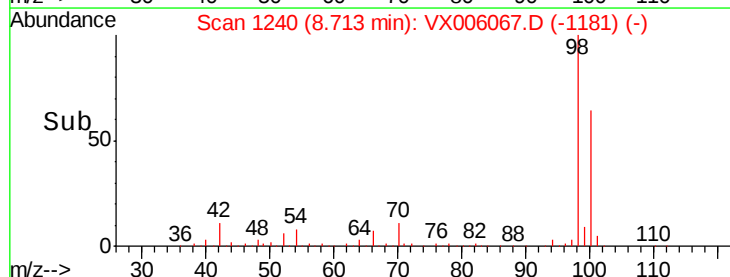
600

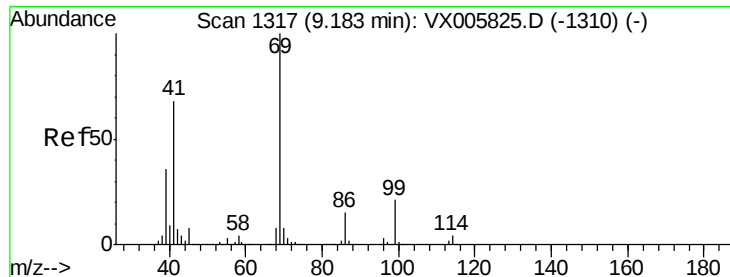
400

200

0

Time-->





#56

Ethyl methacrylate

Concen: 5.213 ug/l

RT: 9.41 min Scan# 1355

Delta R.T. 0.23 min

Lab File: VX006067.D

Acq: 17 Nov 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

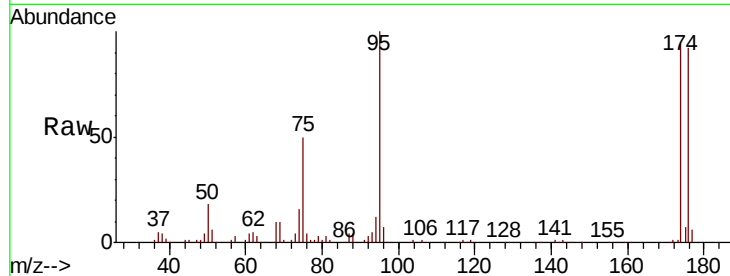
Tot Ion: 69 Resp: 8891

Ion Ratio Lower Upper

69 100

41 0.0 57.0 85.6#

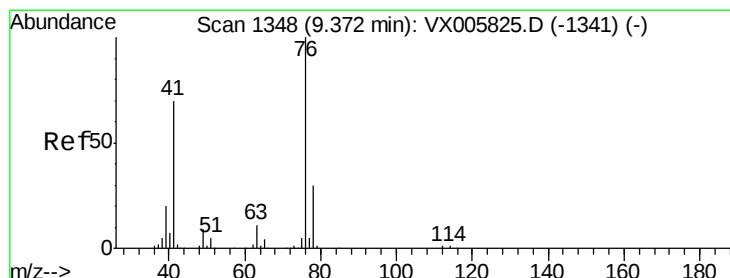
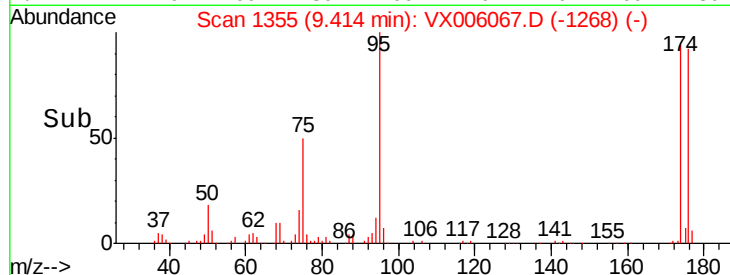
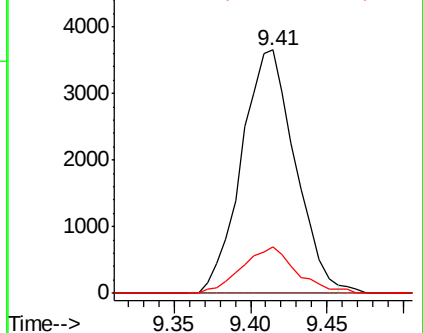
39 19.0 28.3 42.5#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 2.069 ug/l

RT: 9.41 min Scan# 1354

Delta R.T. 0.04 min

Lab File: VX006067.D

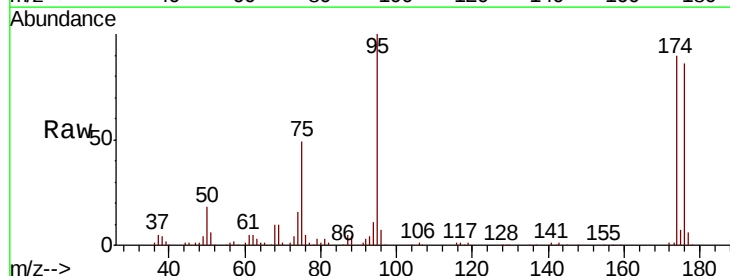
Acq: 17 Nov 2018 14:39

Tgt Ion: 76 Resp: 3963

Ion Ratio Lower Upper

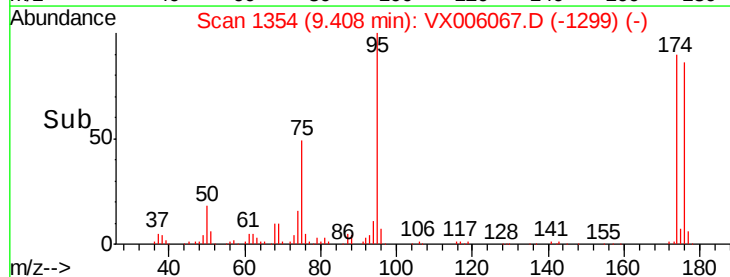
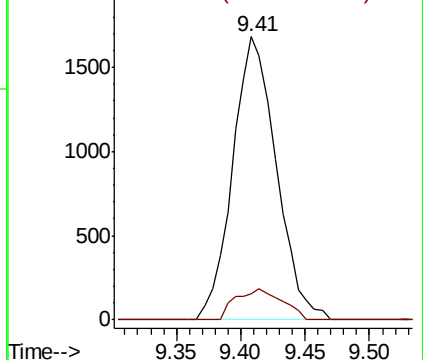
76 100

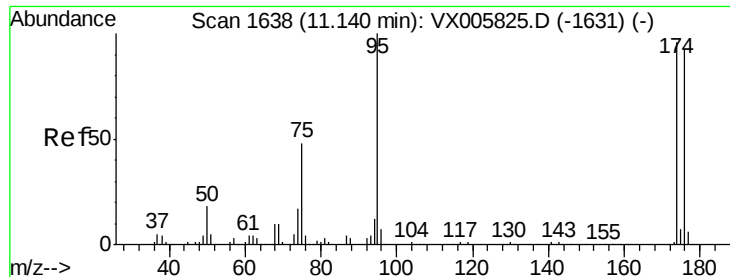
78 11.7 25.3 37.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#62

4-Bromofluorobenzene

Concen: 50.521 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006067.D

Acq: 17 Nov 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

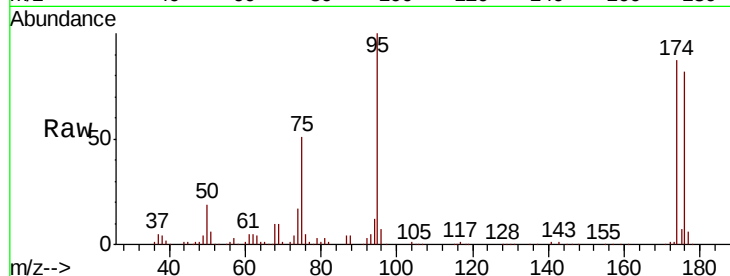
Tot Ion: 95 Resp: 66886

Ion Ratio Lower Upper

95 100

174 93.4 0.0 184.4

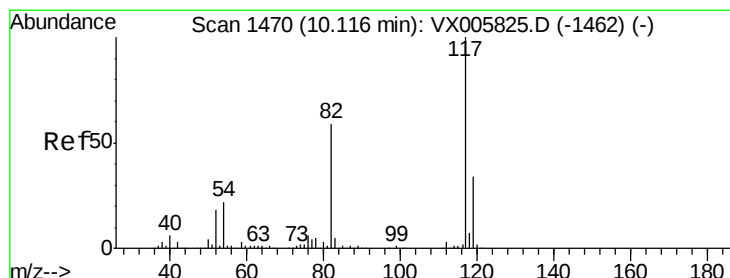
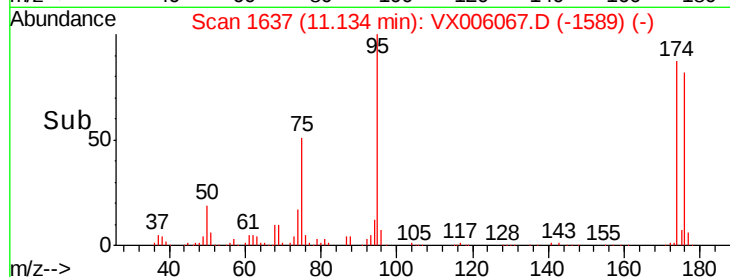
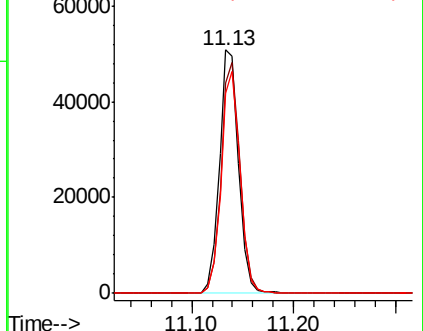
176 89.8 0.0 177.4



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. -0.01 min

Lab File: VX006067.D

Acq: 17 Nov 2018 14:39

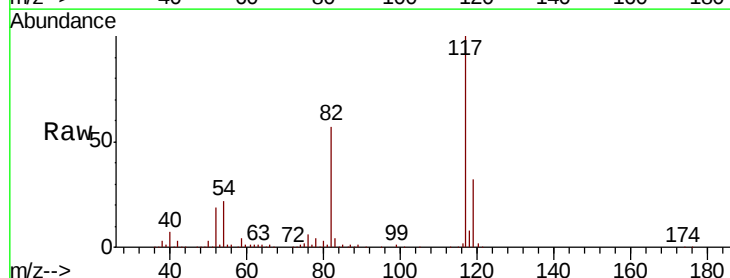
Tgt Ion: 117 Resp: 152711

Ion Ratio Lower Upper

117 100

82 56.9 44.1 66.1

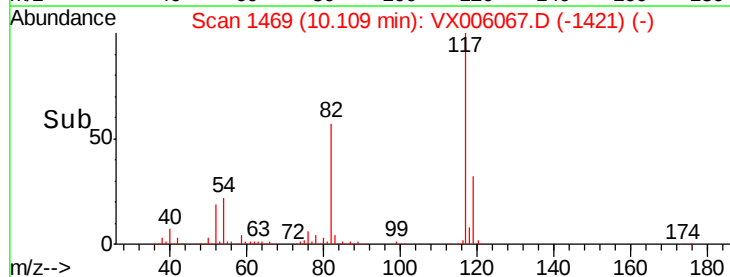
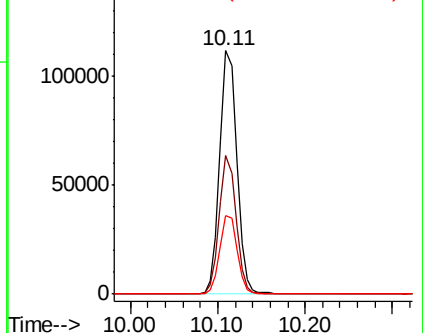
119 32.4 26.2 39.2

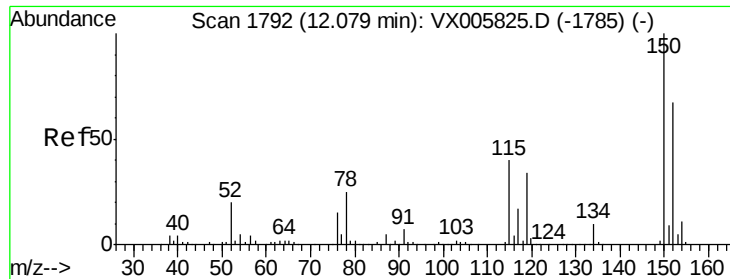


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX006067.D

Acq: 17 Nov 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

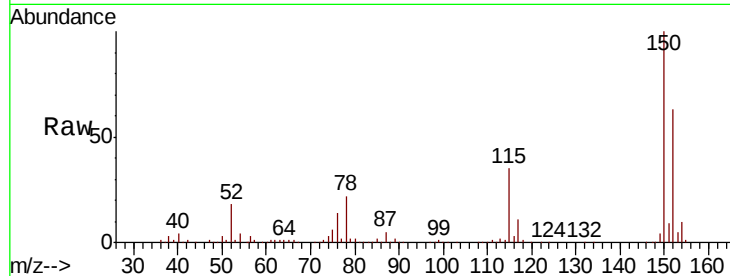
Tot Ion:152 Resp: 72152

Ion Ratio Lower Upper

152 100

115 55.7 39.4 118.1

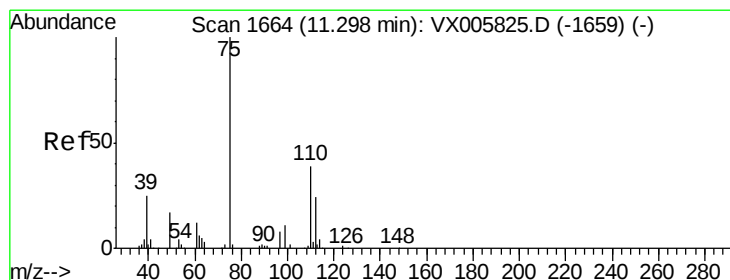
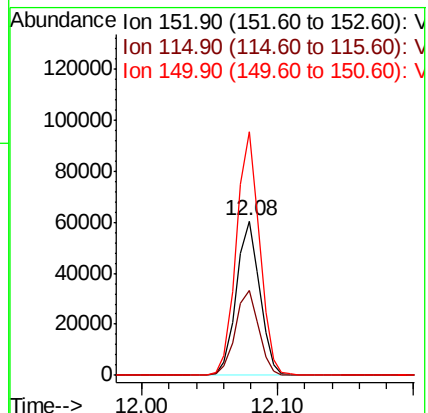
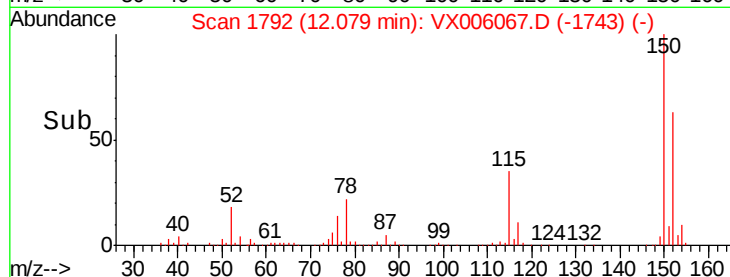
150 157.2 0.0 346.4



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: 7.304 ug/l

RT: 11.37 min Scan# 1676

Delta R.T. 0.07 min

Lab File: VX006067.D

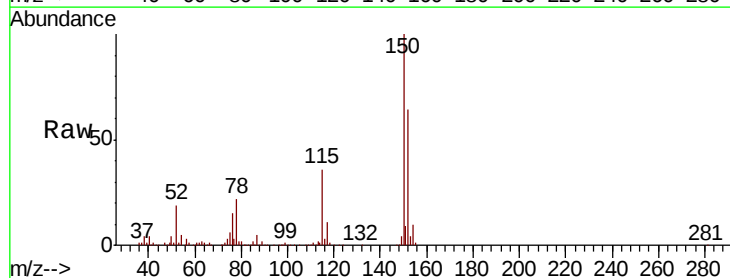
Acq: 17 Nov 2018 14:39

Tgt Ion: 75 Resp: 10731

Ion Ratio Lower Upper

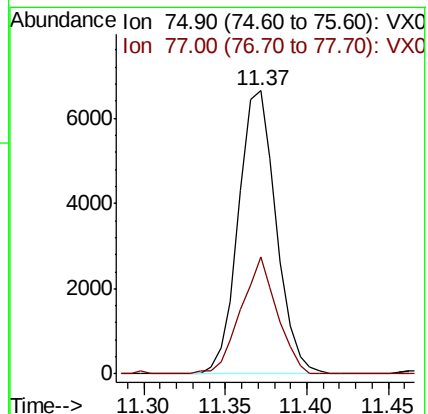
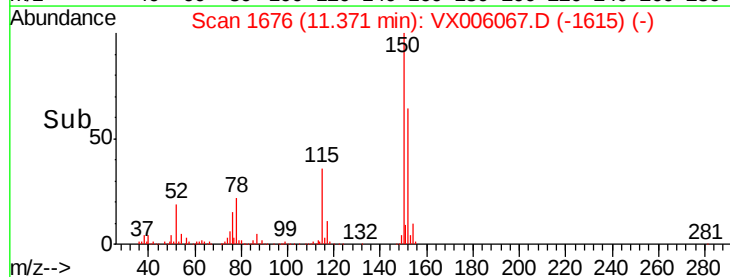
75 100

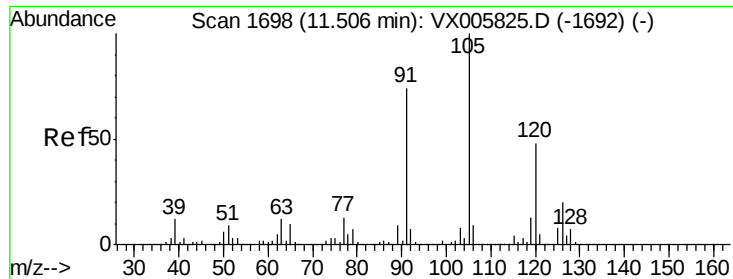
77 39.6 20.5 61.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#80

1,3,5-Trimethylbenzene

Concen: 0.275 ug/l

RT: 11.34 min Scan# 1671

Delta R.T. -0.16 min

Lab File: VX006067.D

Acq: 17 Nov 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

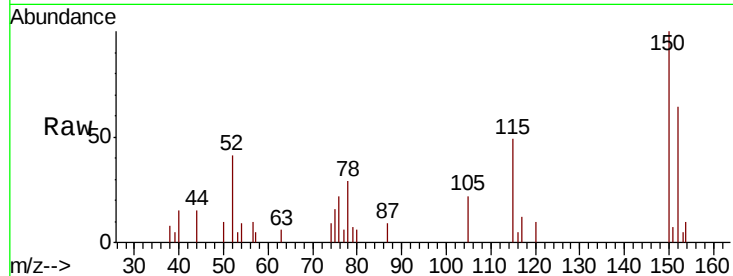
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:105 Resp: 976

Ion Ratio Lower Upper

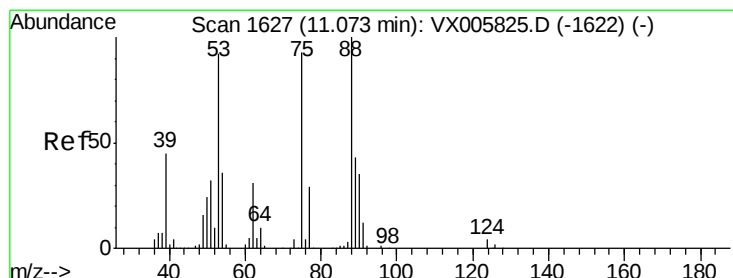
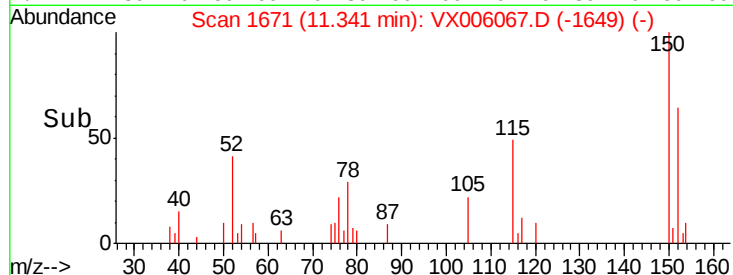
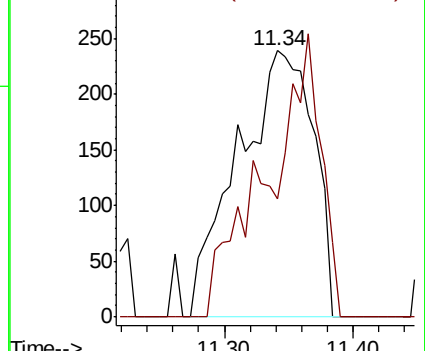
105 100

120 31.9 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 72.157 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006067.D

Acq: 17 Nov 2018 14:39

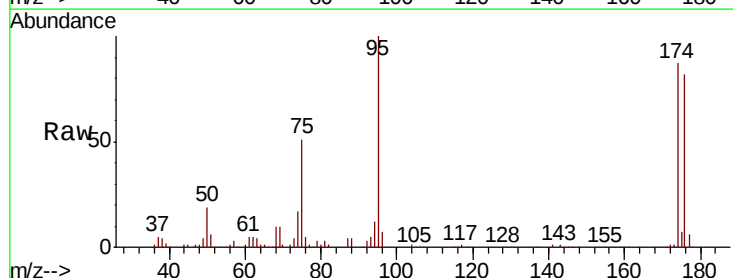
Tgt Ion: 75 Resp: 33262

Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.2#

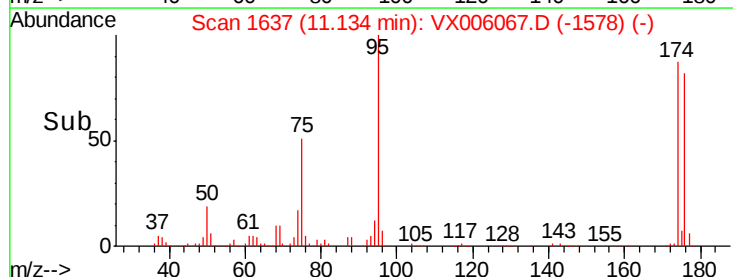
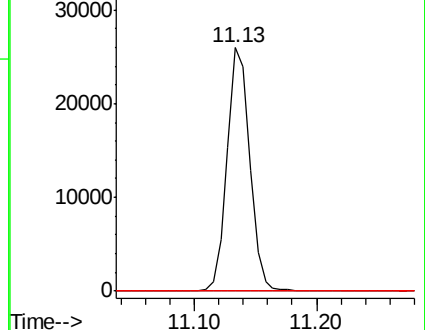
89 0.0 39.8 59.8#

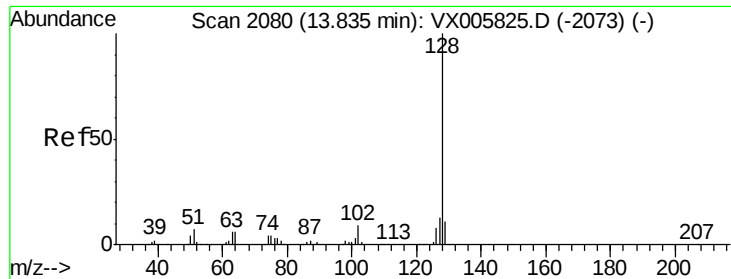


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95
Naphthalene
Concen: 1.212 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006067.D
Acq: 17 Nov 2018 14:39

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.7	13.1#

