

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009510.D
 Acq On : 11 May 2019 02:41
 Operator : JC/SP
 Sample : K2805-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

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

Quant Time: May 11 03:35:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	173979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	275170	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	101837	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	113770	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	
35) Dibromofluoromethane	5.50	113	84573	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
50) Toluene-d8	8.71	98	341486	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
62) 4-Bromofluorobenzene	11.13	95	111746	44.04	ug/l	0.00
Spiked Amount			Recovery	=	88.08%	

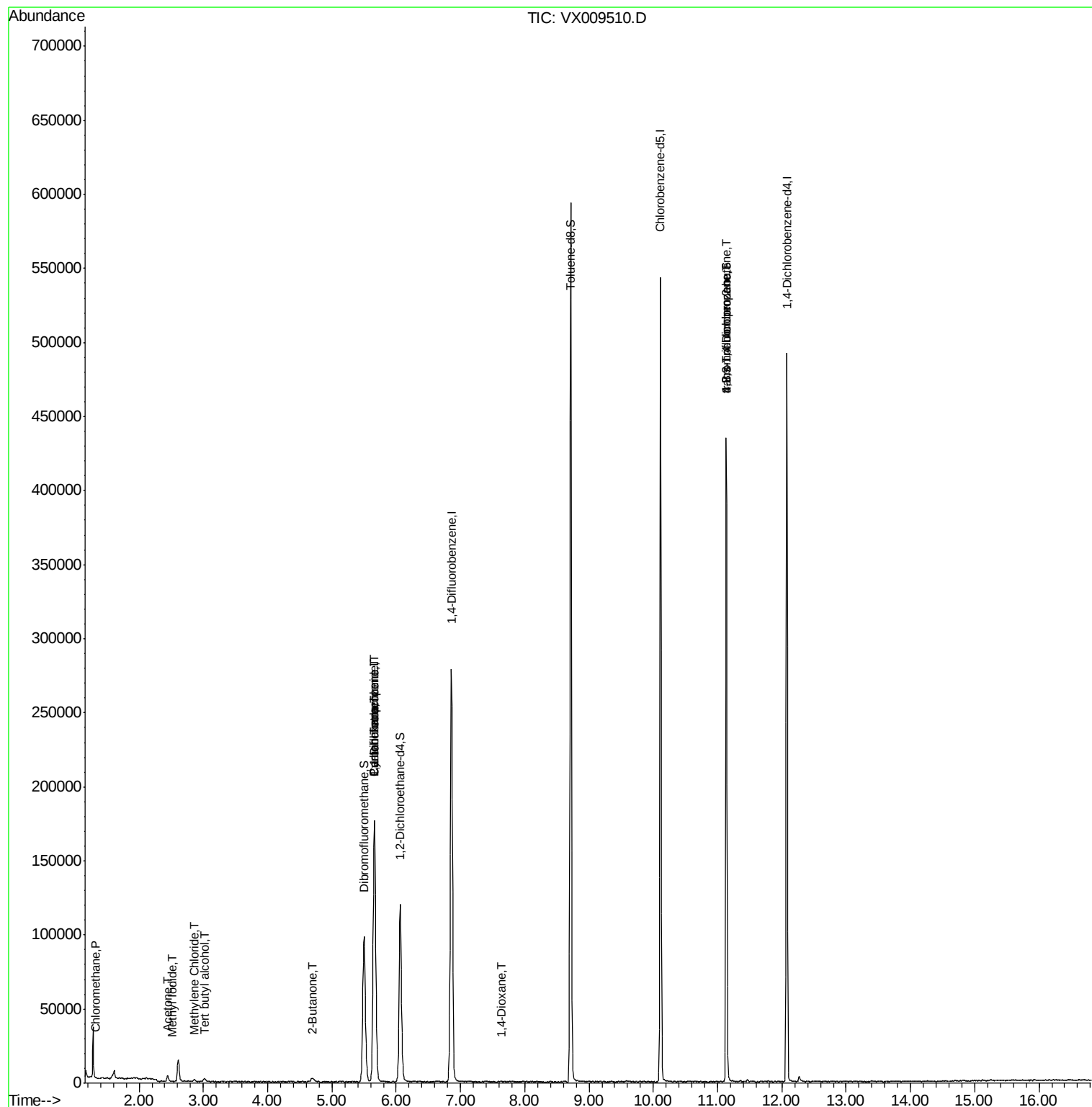
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	450	0.206	ug/l #	55
10) Methyl Iodide	2.52	142	91	4.638	ug/l #	42
11) Tert butyl alcohol	3.02	59	1558	2.834	ug/l #	80
16) Acetone	2.44	43	4453	3.492	ug/l	94
20) Methylene Chloride	2.85	84	448	0.217	ug/l #	82
25) 2-Butanone	4.70	43	435	0.220	ug/l #	53
28) Bromochloromethane	4.91	49	19	Below Cal	#	20
31) Cyclohexane	5.67	56	3553	1.012	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13092	5.120	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16277	7.006	ug/l #	17
49) 1,4-Dioxane	7.65	88	49	0.855	ug/l #	3
76) 1,2,3-Trichloropropane	11.13	75	57088	24.167	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	57088	61.834	ug/l #	10

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

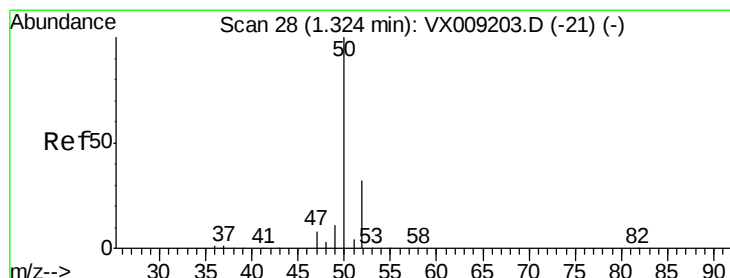
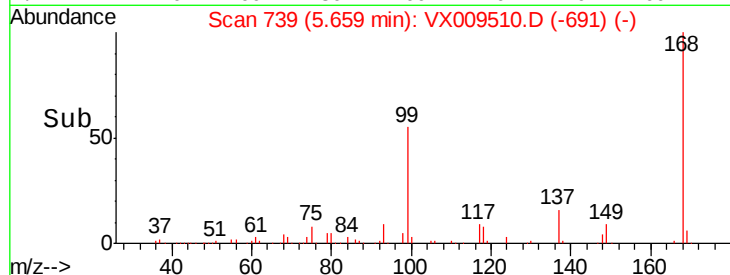
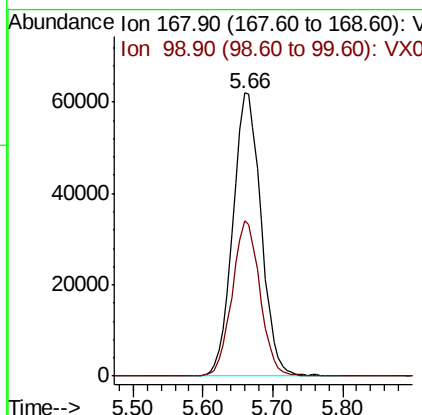
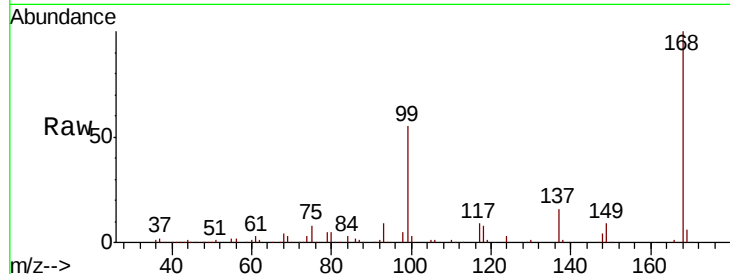




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX009510.D
Acq: 11 May 2019 02:41

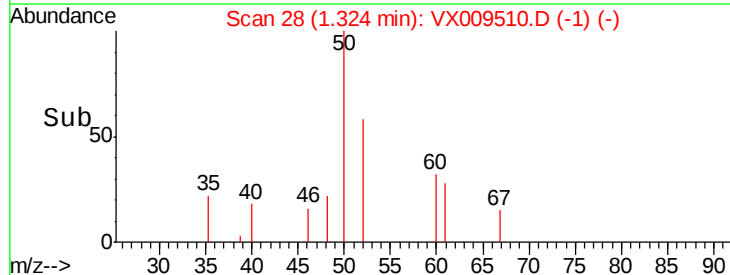
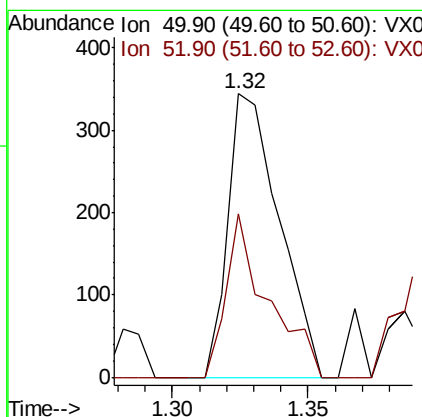
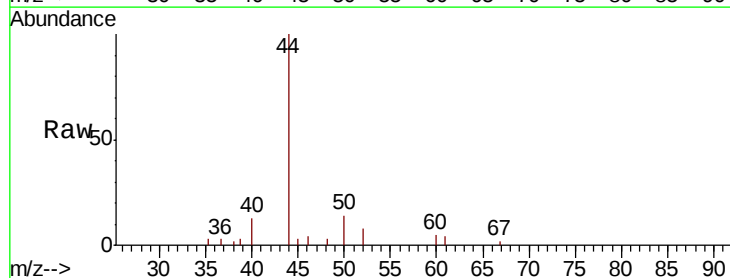
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

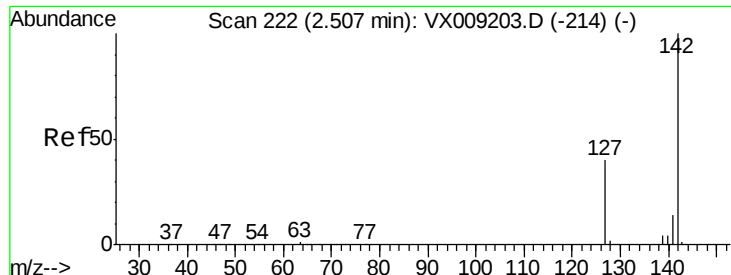
Tot Ion:168 Resp: 173979
Ion Ratio Lower Upper
168 100
99 55.0 42.3 63.5



#3
Chloromethane
Concen: 0.206 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.00 min
Lab File: VX009510.D
Acq: 11 May 2019 02:41

Tgt Ion: 50 Resp: 450
Ion Ratio Lower Upper
50 100
52 57.6 25.9 38.9#

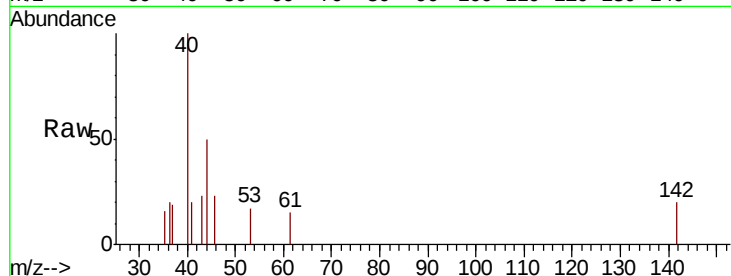




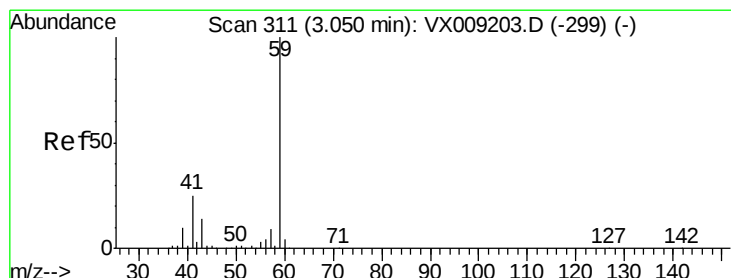
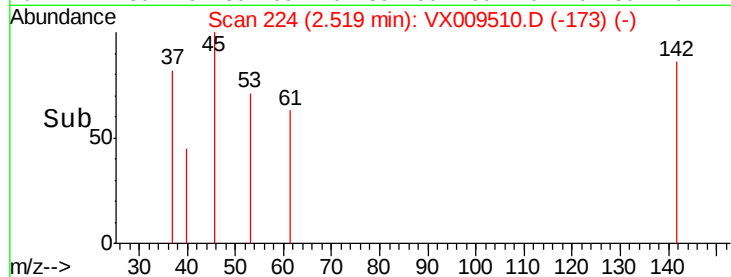
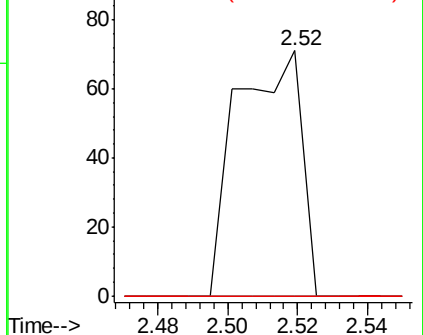
#10
Methyl Iodide
Concen: 4.638 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009510.D
Acq: 11 May 2019 02:41

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

Tot Ion:142 Resp: 91
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#

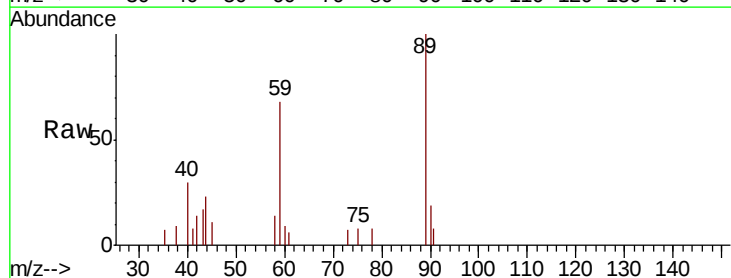


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

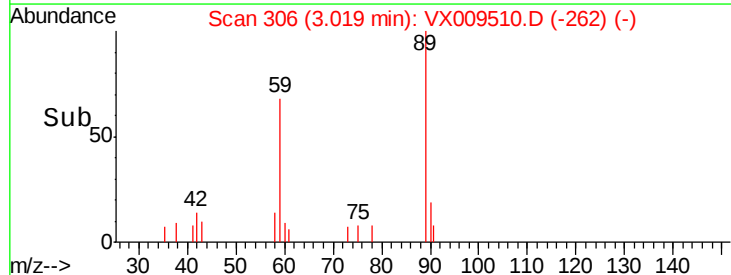
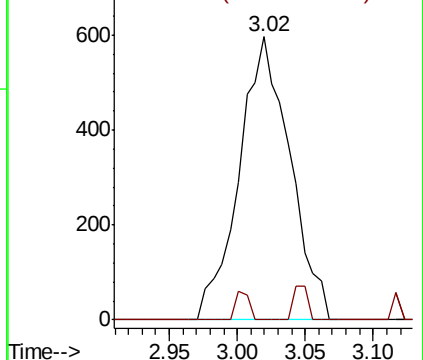


#11
Tert butyl alcohol
Concen: 2.834 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009510.D
Acq: 11 May 2019 02:41

Tgt Ion: 59 Resp: 1558
Ion Ratio Lower Upper
59 100
57 2.6 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 3.492 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009510.D

Acq: 11 May 2019 02:41

Instrument :

MSVOA_X

ClientSampleId :

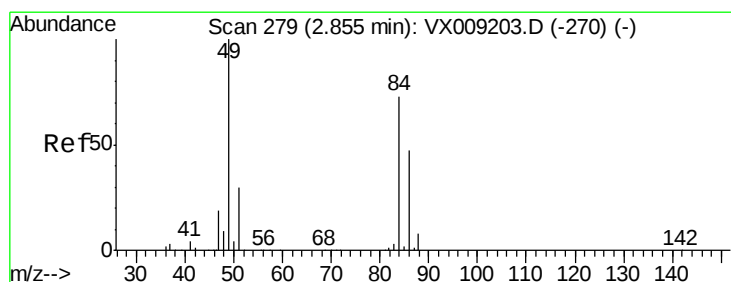
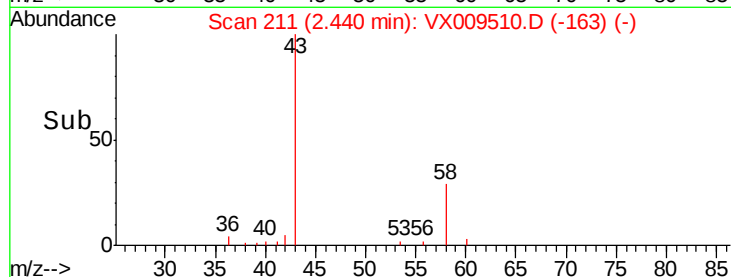
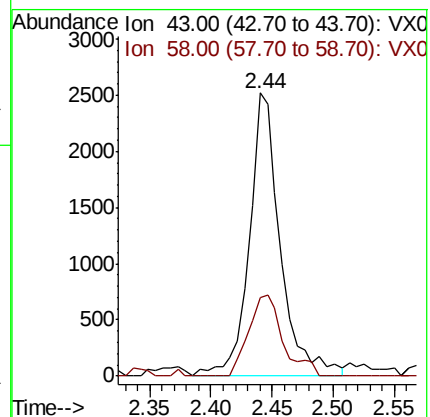
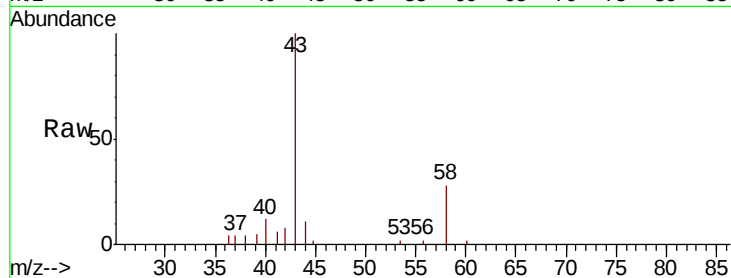
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 4453

Ion Ratio Lower Upper

43 100

58 27.8 24.9 37.3



#20

Methylene Chloride

Concen: 0.217 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX009510.D

Acq: 11 May 2019 02:41

Tgt Ion: 84 Resp: 448

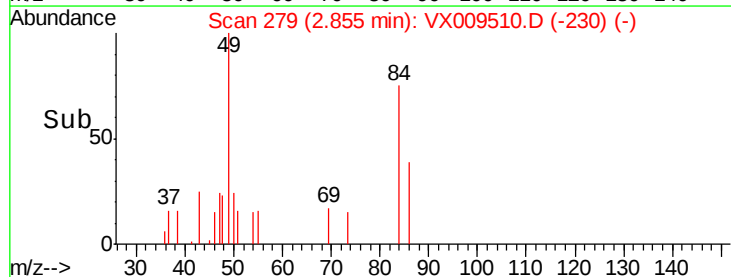
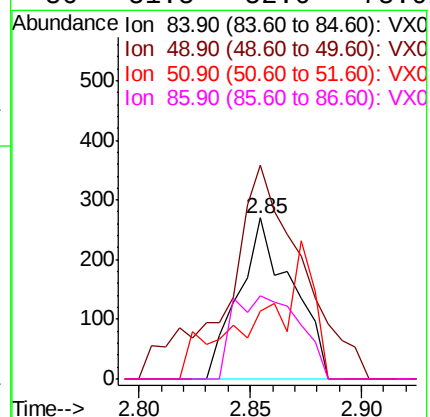
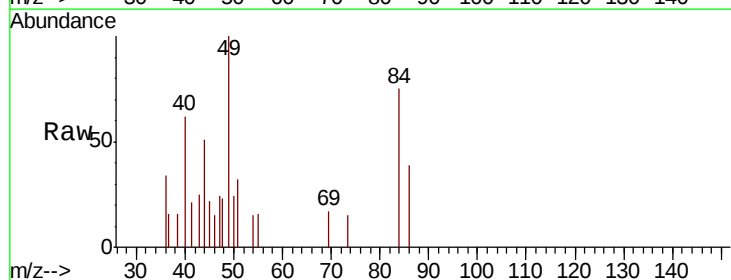
Ion Ratio Lower Upper

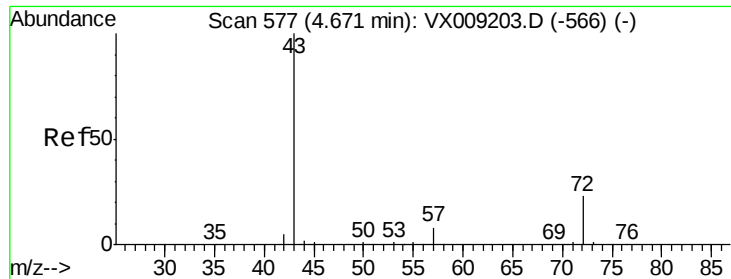
84 100

49 108.5 109.9 164.9#

51 42.2 32.7 49.1

86 51.5 52.0 78.0#





#25

2-Butanone

Concen: 0.220 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.03 min

Lab File: VX009510.D

Acq: 11 May 2019 02:41

Instrument :

MSVOA_X

ClientSampleId :

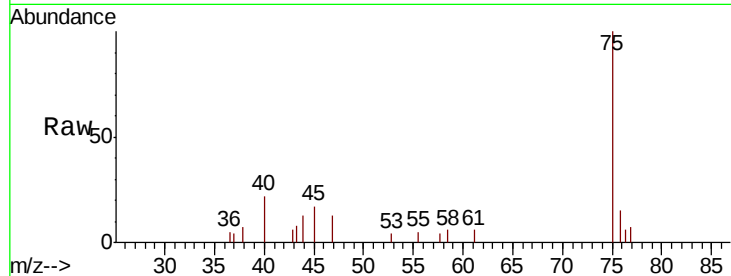
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 435

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

200

150

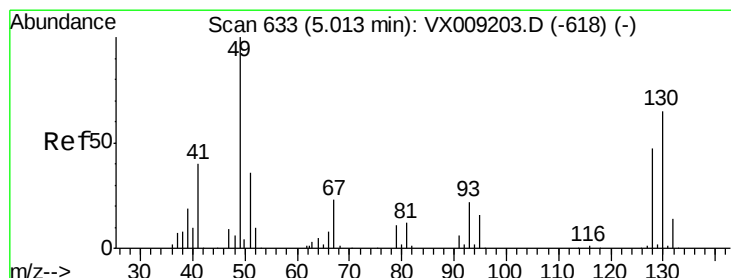
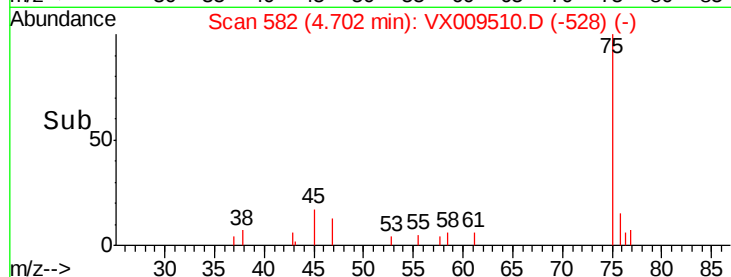
100

50

0

Time-->

4.65 4.70 4.75



#28

Bromochloromethane

Concen: Below Cal

RT: 4.91 min Scan# 616

Delta R.T. -0.10 min

Lab File: VX009510.D

Acq: 11 May 2019 02:41

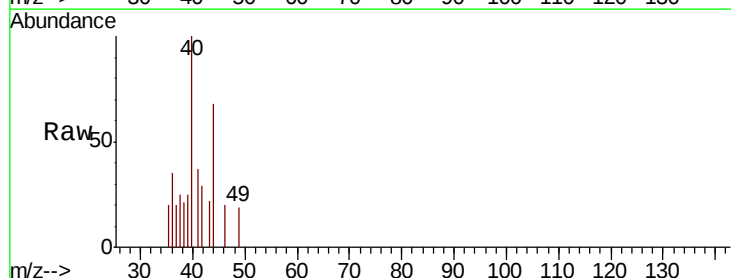
Tgt Ion: 49 Resp: 19

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

60

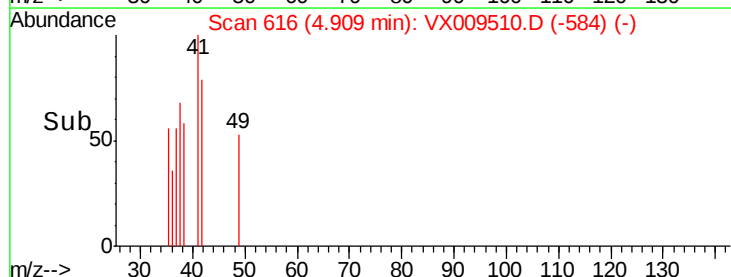
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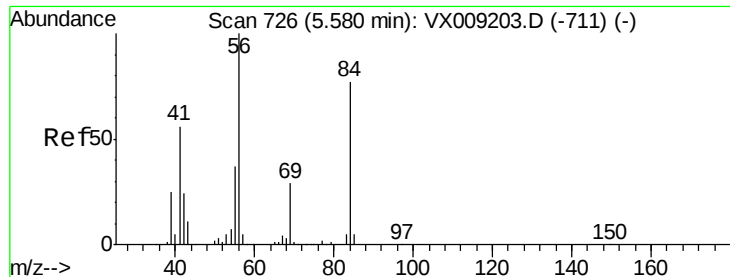
20

0

Time-->

4.89 4.90 4.91 4.92 4.93

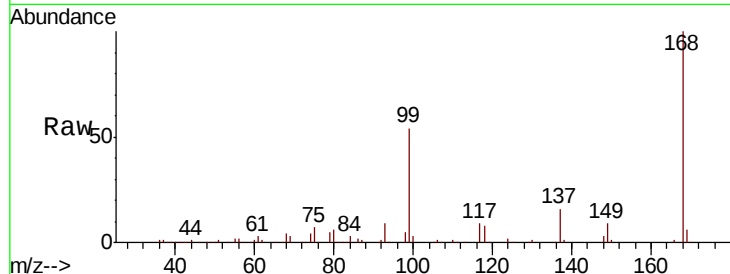




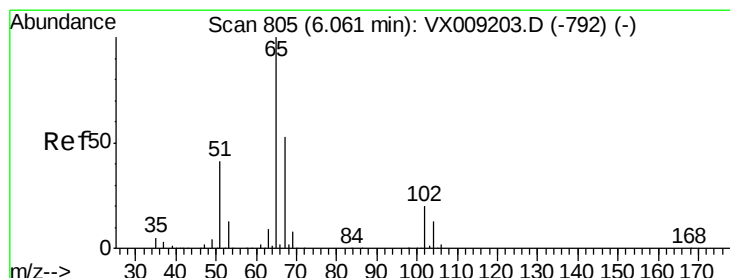
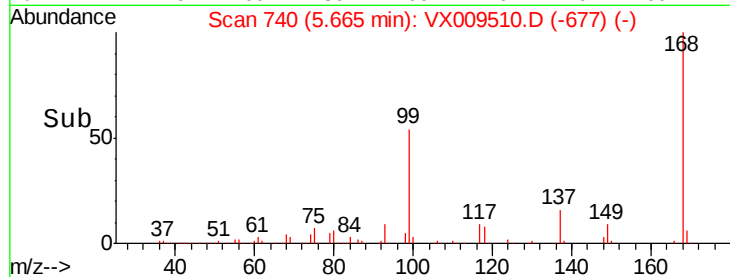
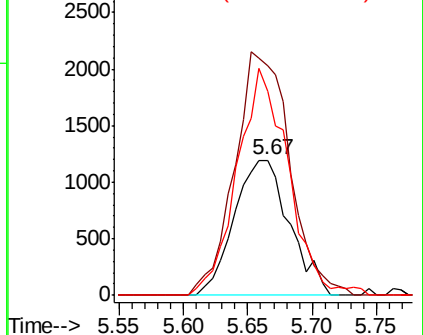
#31
Cyclohexane
Concen: 1.012 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009510.D
Acq: 11 May 2019 02:41

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

Tot Ion: 56 Resp: 3553
Ion Ratio Lower Upper
56 100
69 170.1 23.4 35.0#
84 150.8 61.9 92.9#

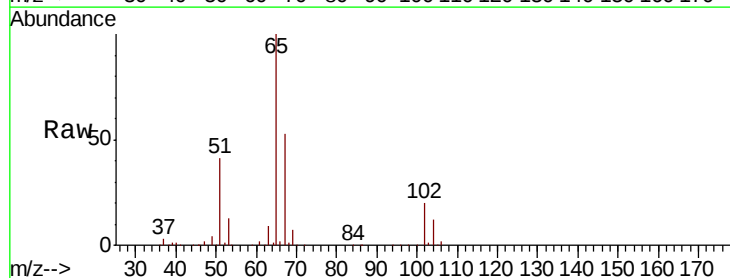


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

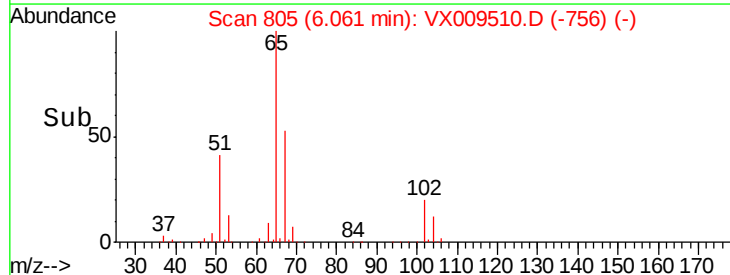
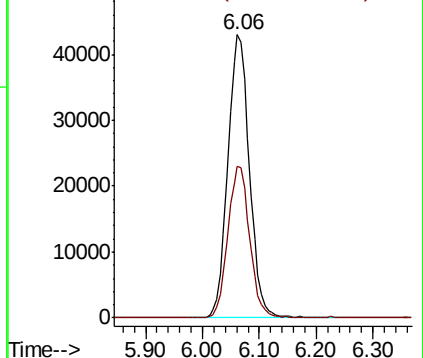


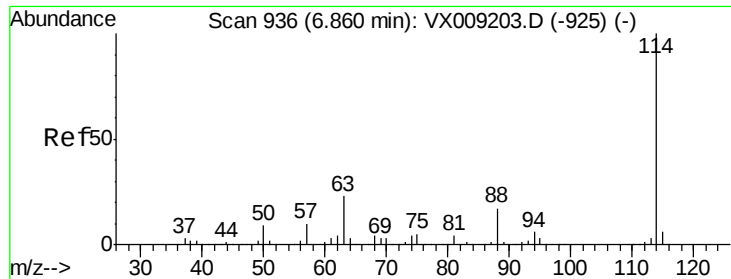
#33
1,2-Dichloroethane-d4
Concen: 47.903 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009510.D
Acq: 11 May 2019 02:41

Tgt Ion: 65 Resp: 113770
Ion Ratio Lower Upper
65 100
67 54.0 0.0 106.6



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

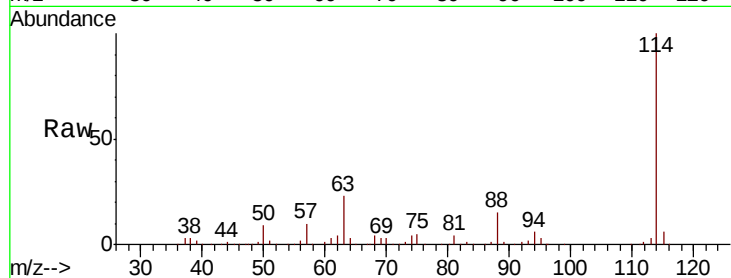




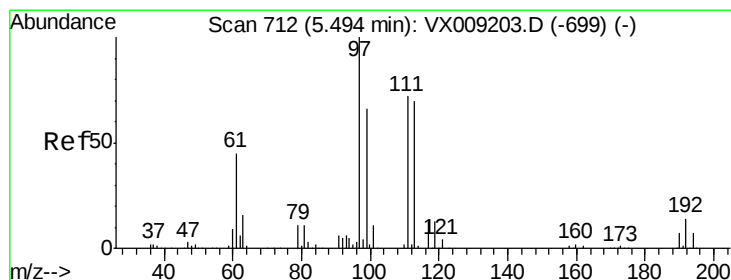
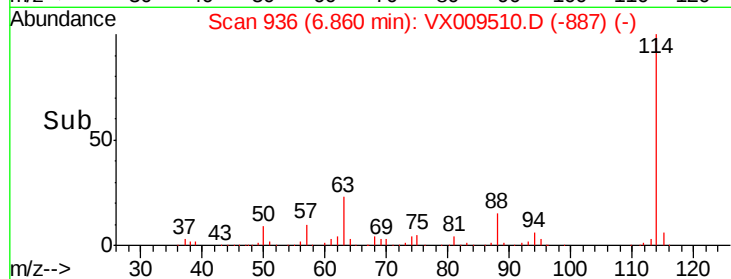
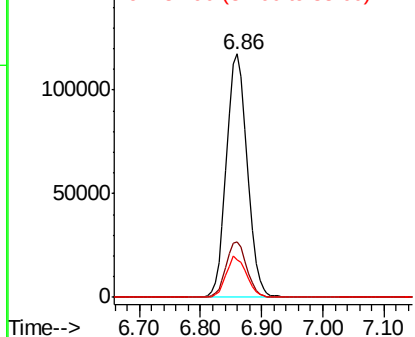
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX009510.D
Acq: 11 May 2019 02:41

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

Tot Ion:114 Resp: 275170
Ion Ratio Lower Upper
114 100
63 22.8 0.0 45.6
88 15.3 0.0 33.2

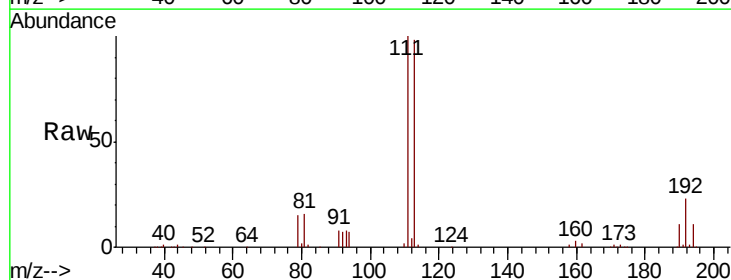


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

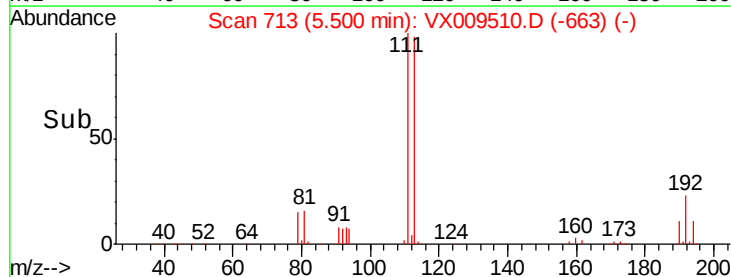
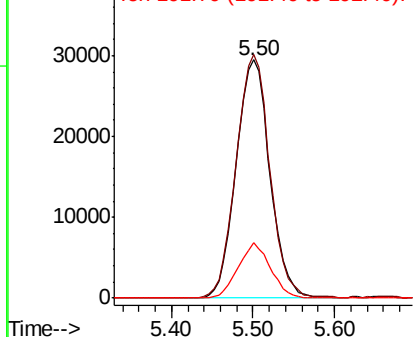


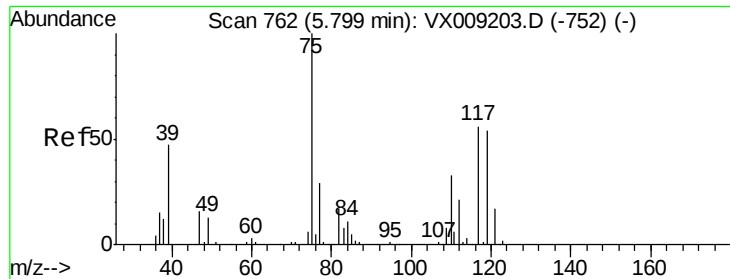
#35
Dibromofluoromethane
Concen: 48.891 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009510.D
Acq: 11 May 2019 02:41

Tgt Ion:113 Resp: 84573
Ion Ratio Lower Upper
113 100
111 101.8 82.8 124.2
192 22.1 17.0 25.6



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: 5.120 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009510.D

Acq: 11 May 2019 02:41

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

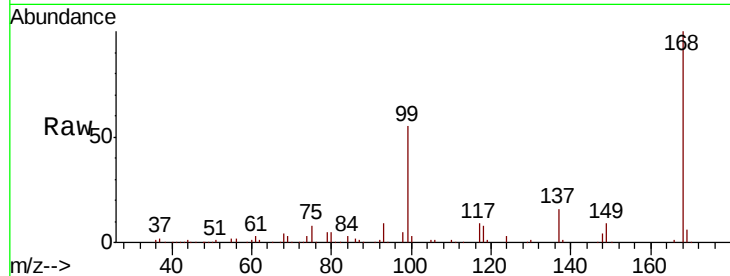
Tot Ion: 75 Resp: 13092

Ion Ratio Lower Upper

75 100

110 9.5 16.9 50.6#

77 0.0 24.8 37.2#



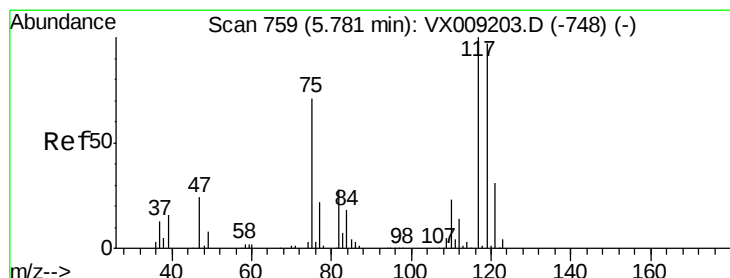
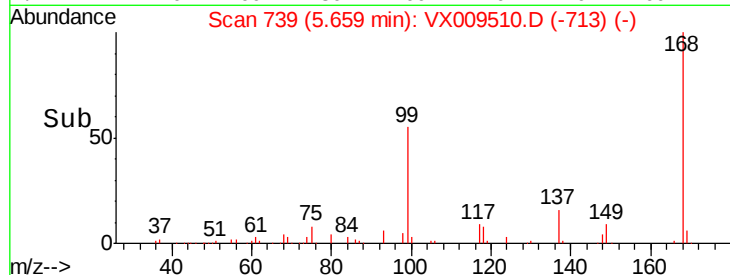
Abundance Ion 74.90 (74.60 to 75.60): VX009510.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX009510.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX009510.D (-713) (-)

5.66

Time-->



#38

Carbon Tetrachloride

Concen: 7.006 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009510.D

Acq: 11 May 2019 02:41

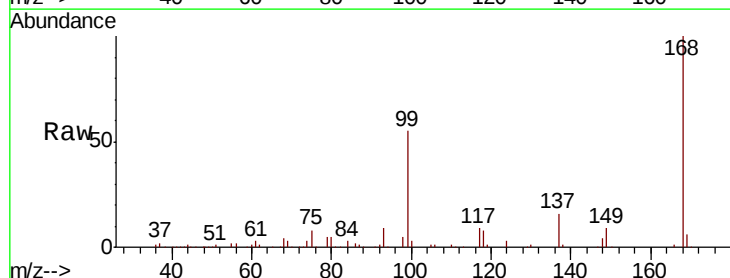
Tgt Ion: 117 Resp: 16277

Ion Ratio Lower Upper

117 100

119 6.5 77.5 116.3#

121 0.0 24.7 37.1#



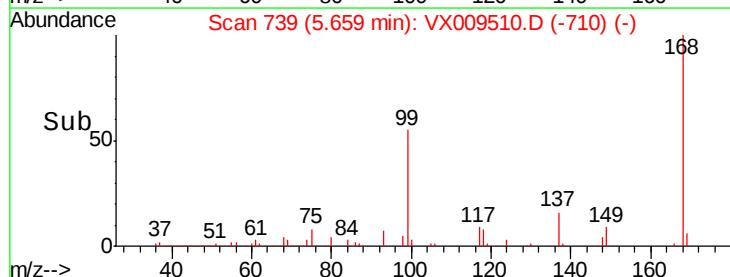
Abundance Ion 116.80 (116.50 to 117.50): VX009510.D (-710) (-)

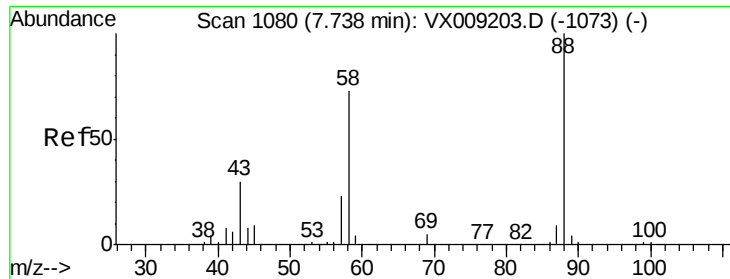
Ion 118.80 (118.50 to 119.50): VX009510.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX009510.D (-710) (-)

5.66

Time-->

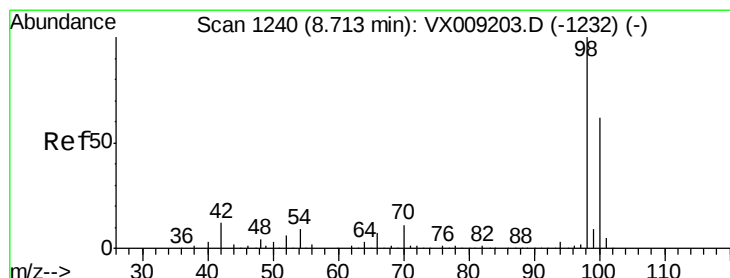
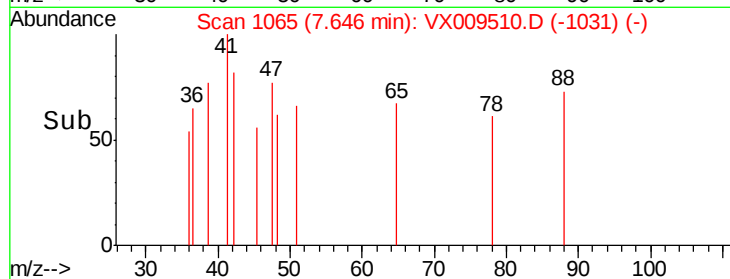
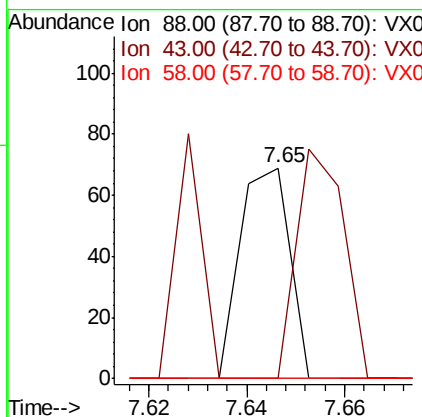
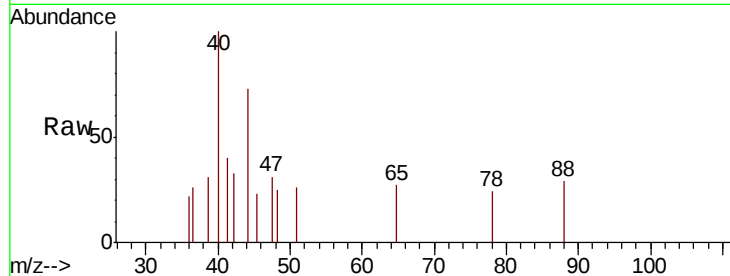




#49
 1,4-Dioxane
 Concen: 0.855 ug/l
 RT: 7.65 min Scan# 1065
 Delta R.T. -0.09 min
 Lab File: VX009510.D
 Acq: 11 May 2019 02:41

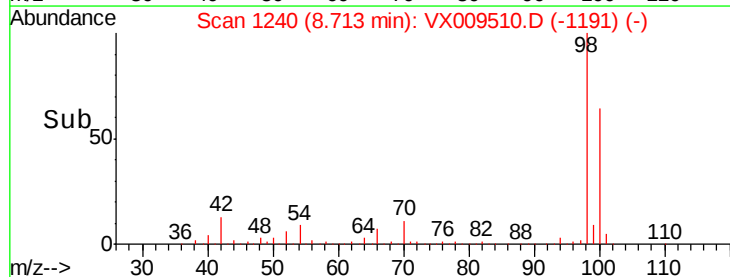
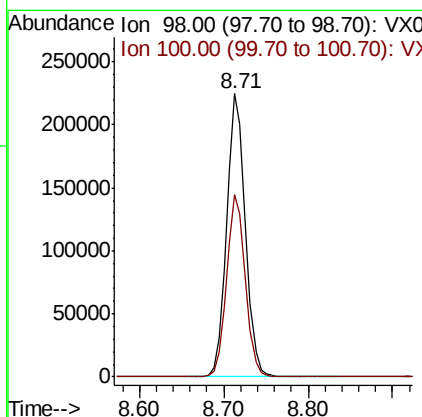
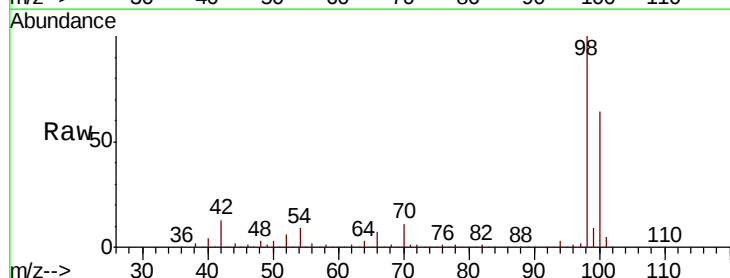
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

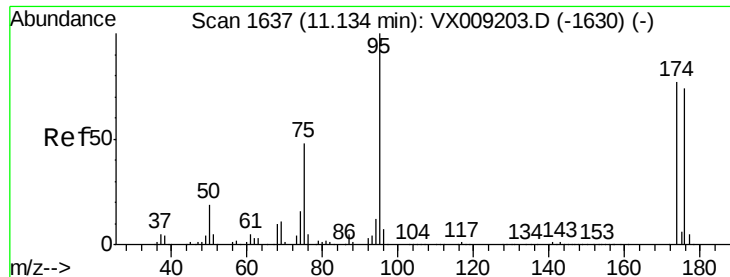
Tot Ion: 88 Resp: 49
 Ion Ratio Lower Upper
 88 100
 43 102.0 28.6 42.8#
 58 0.0 61.7 92.5#



#50
 Toluene-d8
 Concen: 48.897 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX009510.D
 Acq: 11 May 2019 02:41

Tgt Ion: 98 Resp: 341486
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 44.036 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009510.D

Acq: 11 May 2019 02:41

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

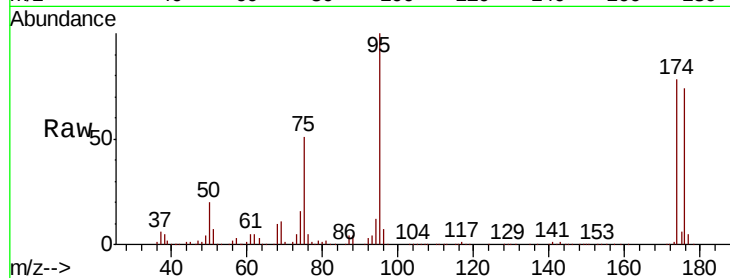
Tot Ion: 95 Resp: 111746

Ion Ratio Lower Upper

95 100

174 82.8 0.0 161.6

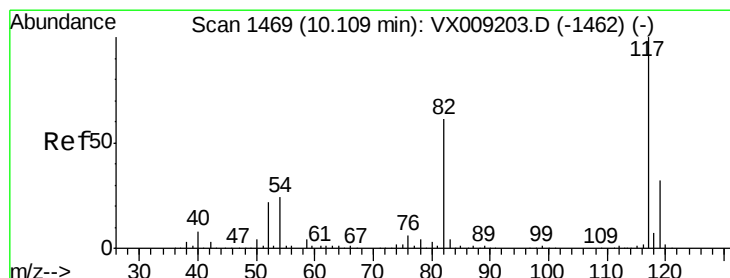
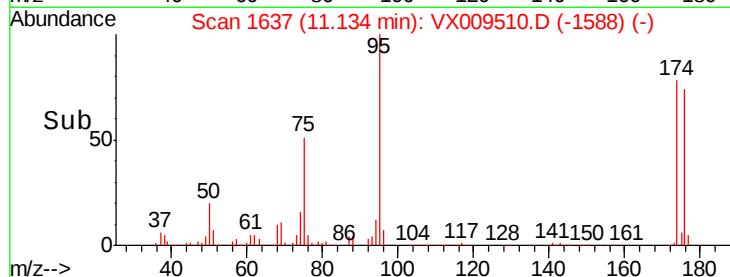
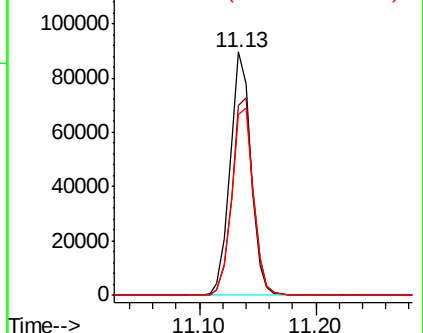
176 80.0 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009510.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009510.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009510.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009510.D

Acq: 11 May 2019 02:41

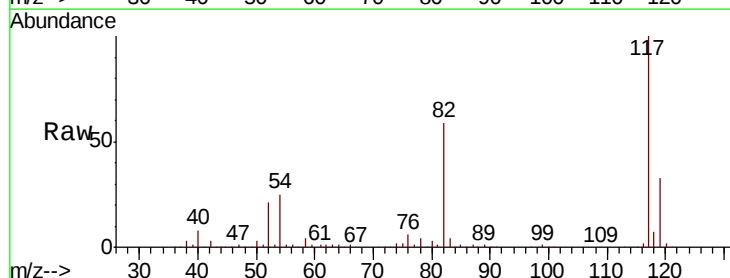
Tgt Ion: 117 Resp: 238817

Ion Ratio Lower Upper

117 100

82 58.9 48.8 73.2

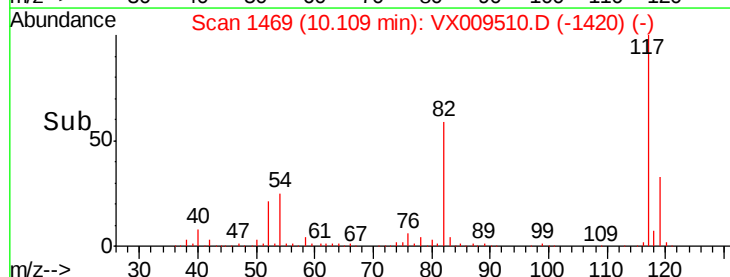
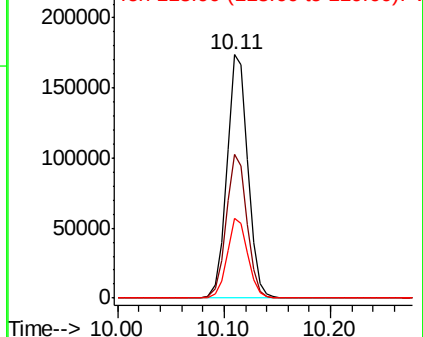
119 32.6 25.8 38.6

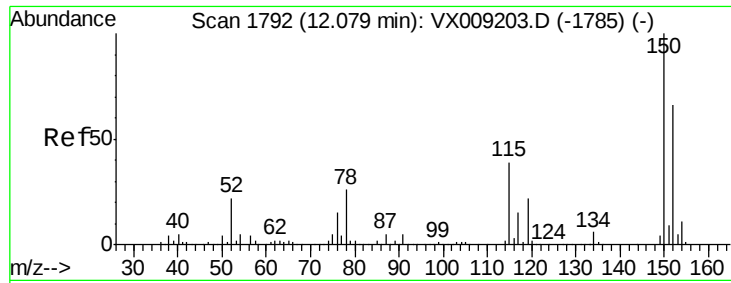


Abundance Ion 116.90 (116.60 to 117.60): VX009510.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009510.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009510.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009510.D

Acq: 11 May 2019 02:41

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

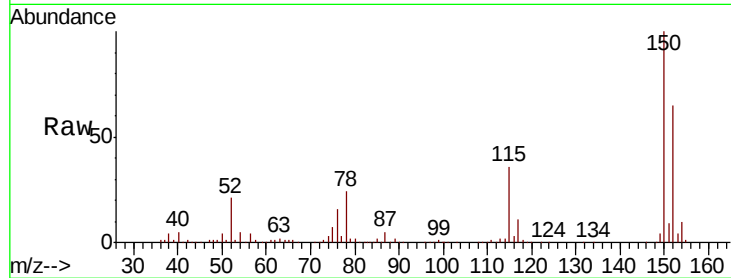
Tot Ion:152 Resp: 101837

Ion Ratio Lower Upper

152 100

115 57.8 41.2 123.6

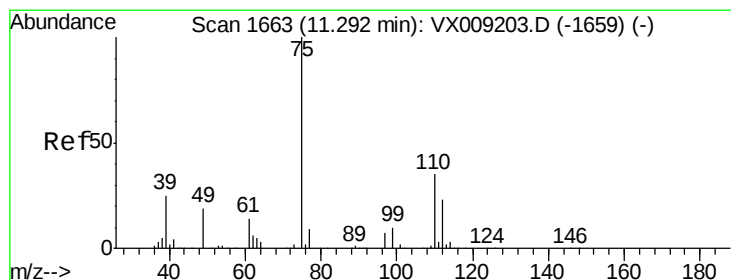
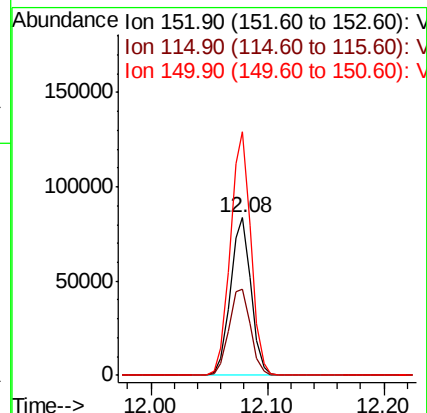
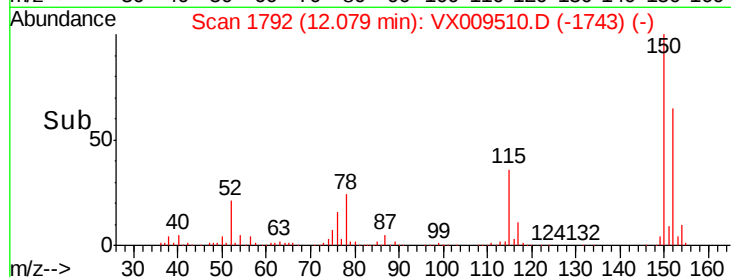
150 154.2 0.0 346.4



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: 24.167 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009510.D

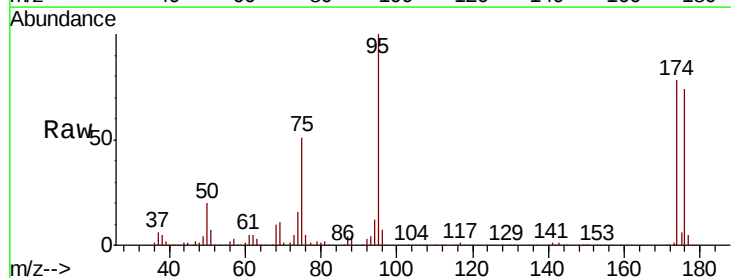
Acq: 11 May 2019 02:41

Tgt Ion: 75 Resp: 57088

Ion Ratio Lower Upper

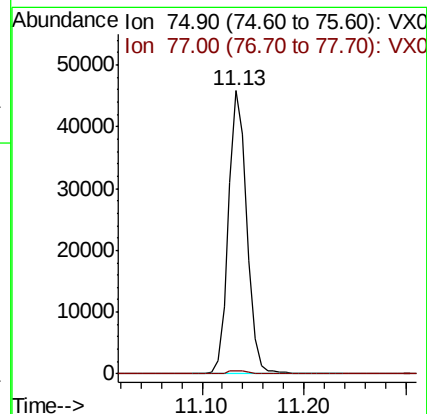
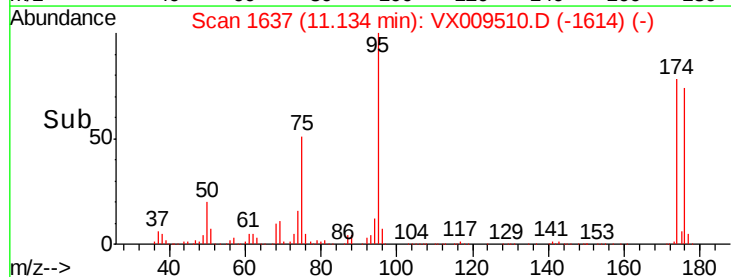
75 100

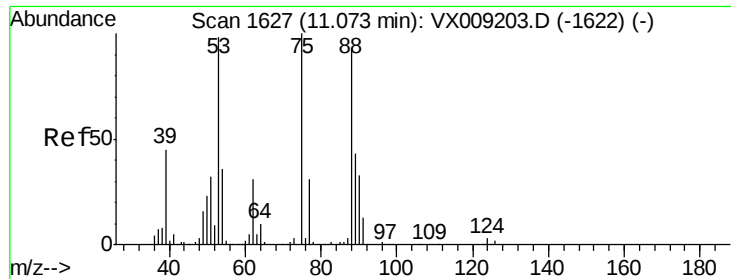
77 1.3 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 61.834 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009510.D

Acq: 11 May 2019 02:41

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 75 Resp: 57088

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#

