

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012935.D
 Acq On : 09 Oct 2019 12:16
 Operator : JC/SP
 Sample : K5214-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Oct 10 01:35:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	180328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	303862	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100051	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	116763	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
35) Dibromofluoromethane	5.49	113	90848	52.09	ug/l	0.00
Spiked Amount			Recovery	=	104.18%	
50) Toluene-d8	8.71	98	354750	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
62) 4-Bromofluorobenzene	11.14	95	122180	46.23	ug/l	0.00
Spiked Amount			Recovery	=	92.46%	

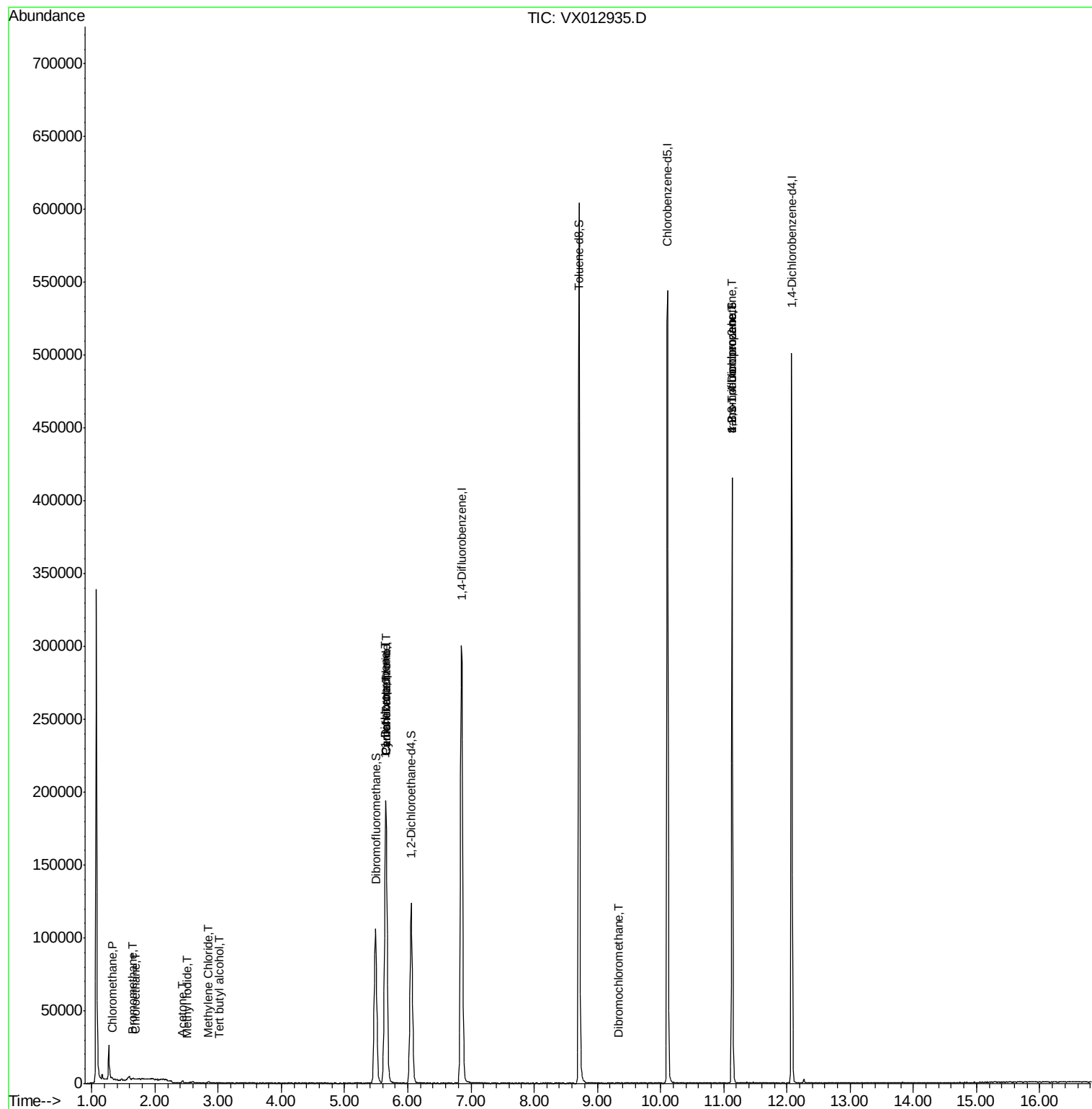
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	427	0.213	ug/l	92
5) Bromomethane	1.64	94	334	0.389	ug/l #	67
6) Chloroethane	1.69	64	257	0.570	ug/l #	43
10) Methyl Iodide	2.51	142	131	5.139	ug/l #	40
11) Tert butyl alcohol	3.02	59	153	0.256	ug/l #	72
16) Acetone	2.43	43	1689	1.422	ug/l	97
20) Methylene Chloride	2.85	84	447	0.205	ug/l #	77
31) Cyclohexane	5.65	56	3928	1.201	ug/l #	6
36) 1,1-Dichloropropene	5.64	75	14800	5.540	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18926	7.278	ug/l #	16
60) Dibromochloromethane	9.34	129	41	1.875	ug/l #	10
76) 1,2,3-Trichloropropane	11.13	75	59602	26.858	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	59602	67.508	ug/l #	10

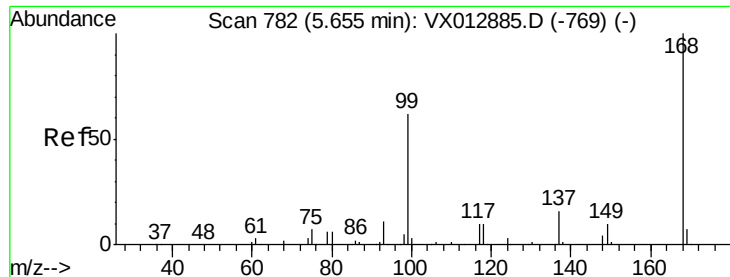
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX012935.D

Acq: 09 Oct 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

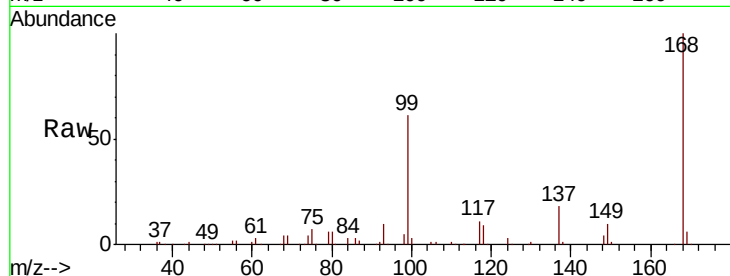
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 180328

Ion Ratio Lower Upper

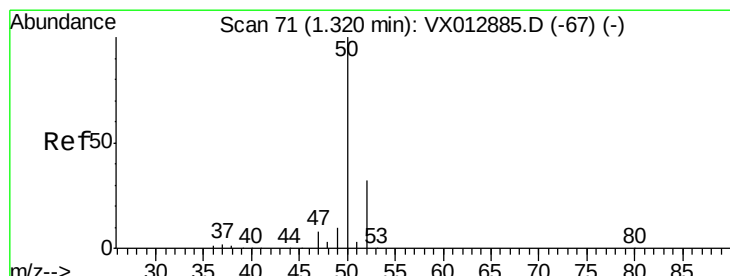
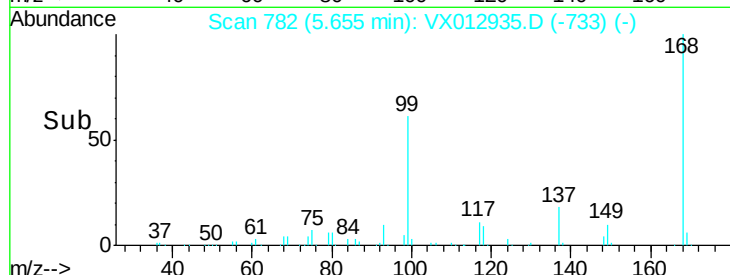
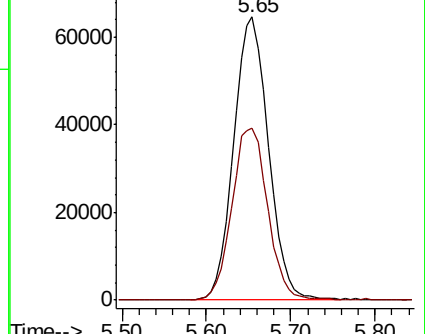
168 100

99 60.7 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.213 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012935.D

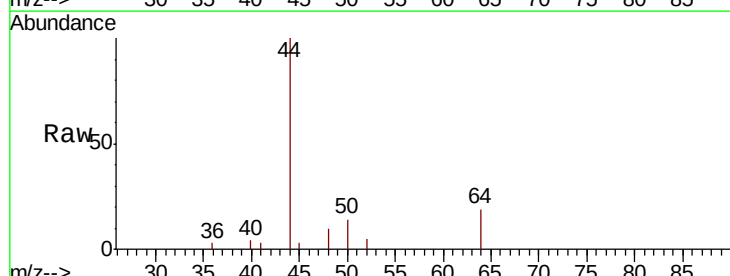
Acq: 09 Oct 2019 12:16

Tgt Ion: 50 Resp: 427

Ion Ratio Lower Upper

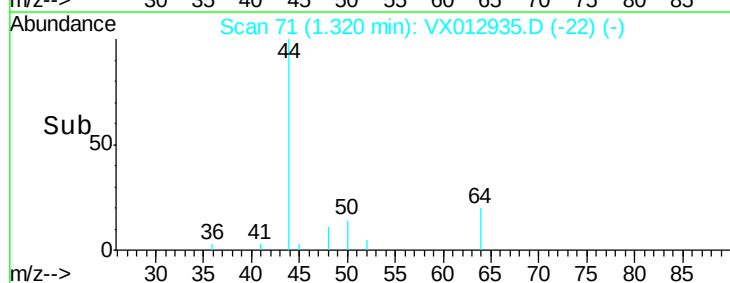
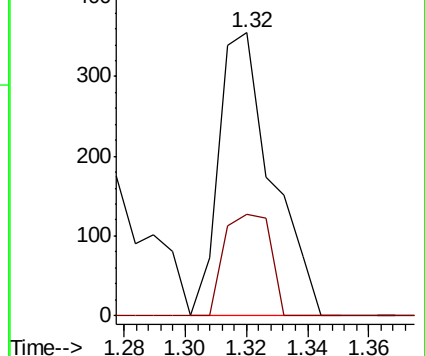
50 100

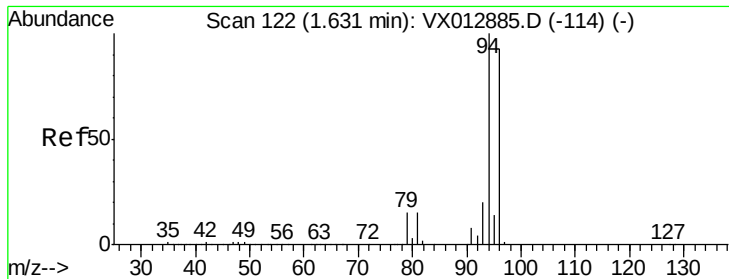
52 35.8 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.389 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX012935.D

Acq: 09 Oct 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

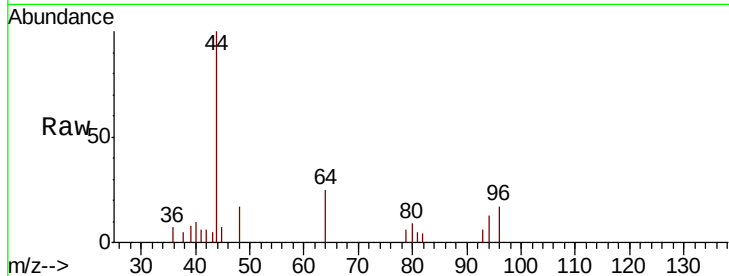
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 94 Resp: 334

Ion Ratio Lower Upper

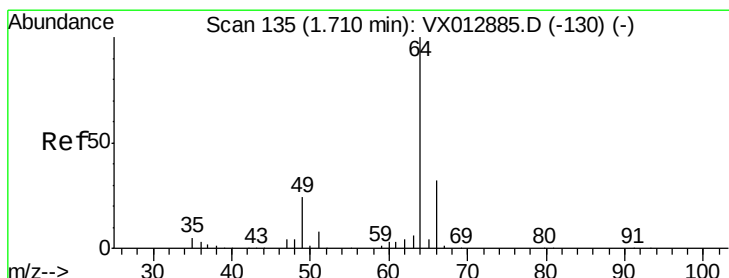
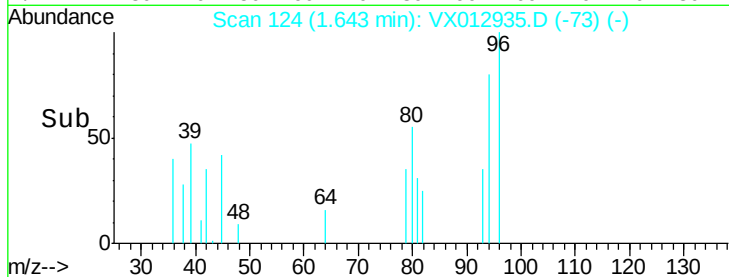
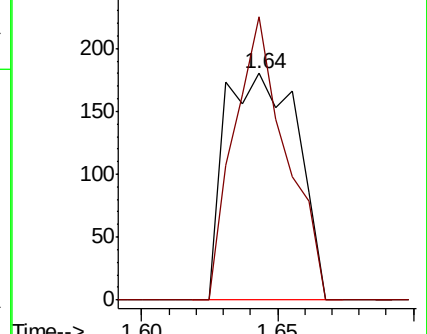
94 100

96 125.0 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.570 ug/l

RT: 1.69 min Scan# 132

Delta R.T. -0.02 min

Lab File: VX012935.D

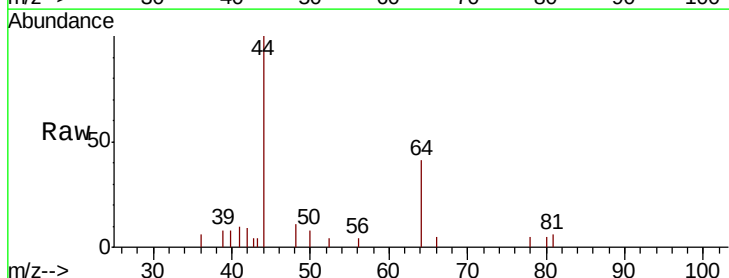
Acq: 09 Oct 2019 12:16

Tgt Ion: 64 Resp: 257

Ion Ratio Lower Upper

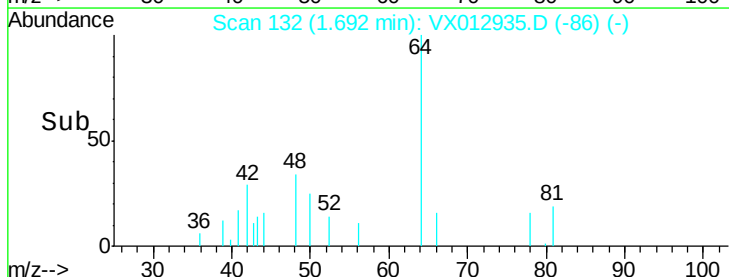
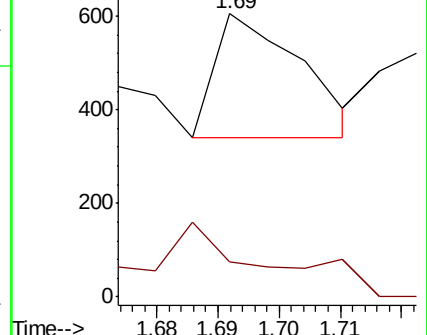
64 100

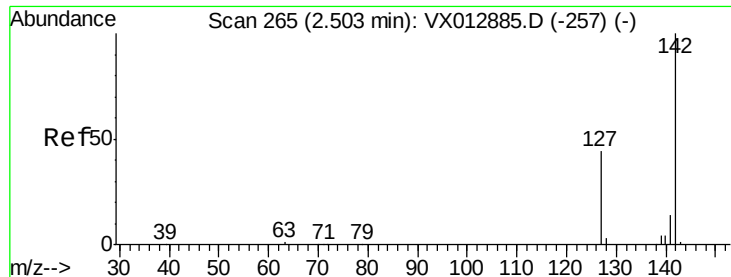
66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

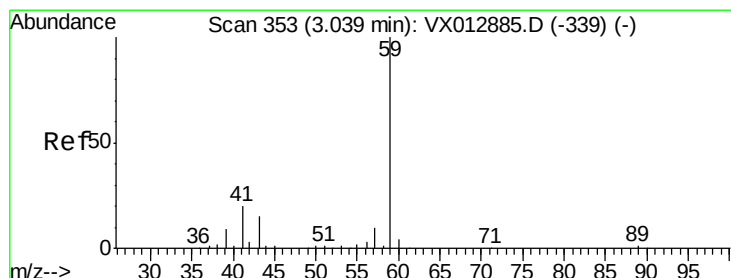
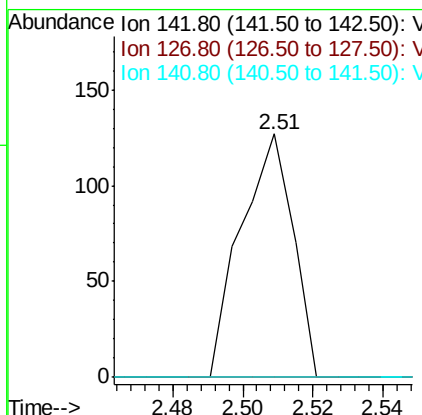
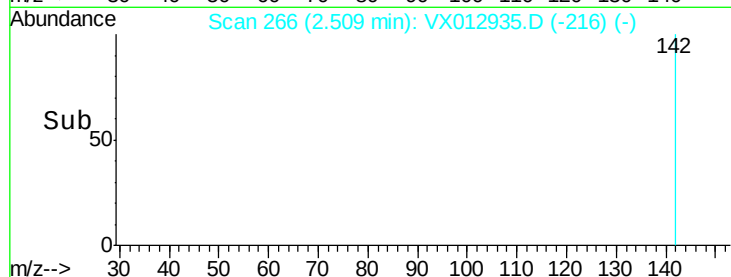
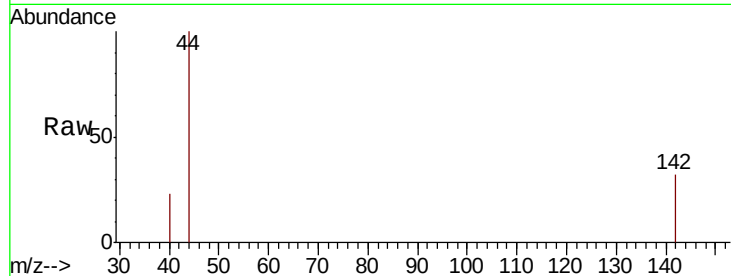




#10
Methvl Iodide
Concen: 5.139 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012935.D
Acq: 09 Oct 2019 12:16

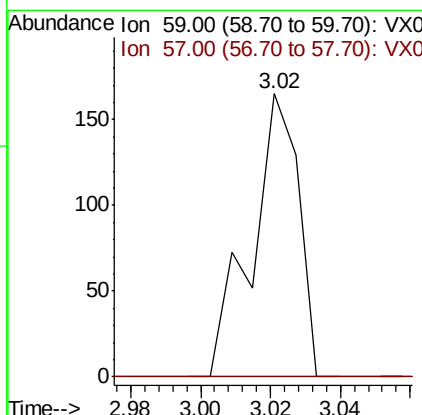
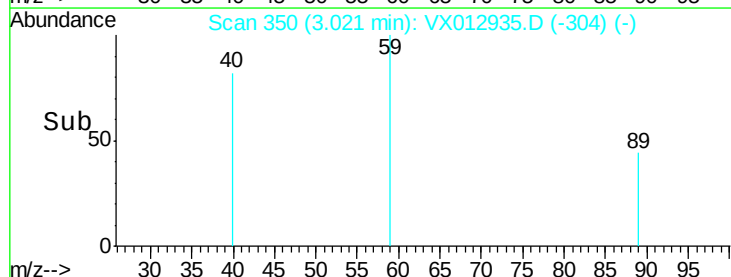
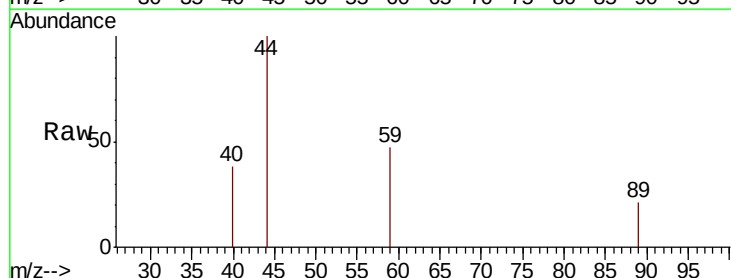
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

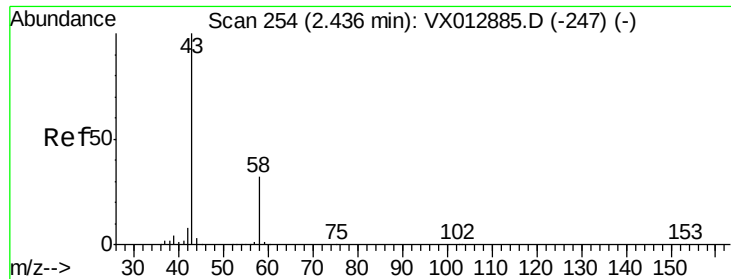
Tot Ion:142 Resp: 131
Ion Ratio Lower Upper
142 100
127 0.0 34.9 52.3#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.256 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX012935.D
Acq: 09 Oct 2019 12:16

Tgt Ion: 59 Resp: 153
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 1.422 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012935.D

Acq: 09 Oct 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

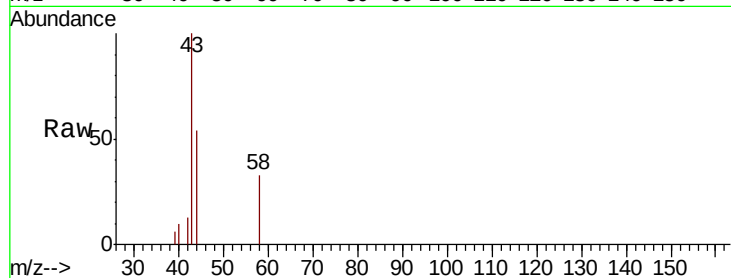
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 1689

Ion Ratio Lower Upper

43 100

58 33.3 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

1000

800

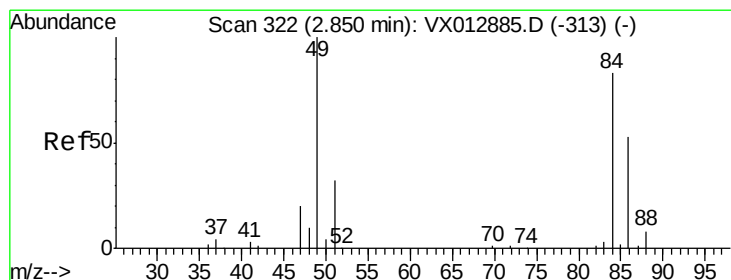
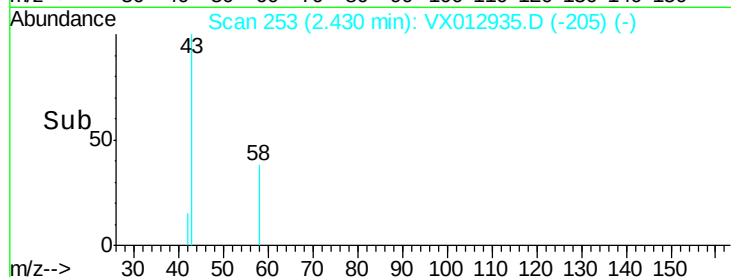
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 0.205 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX012935.D

Acq: 09 Oct 2019 12:16

Tgt Ion: 84 Resp: 447

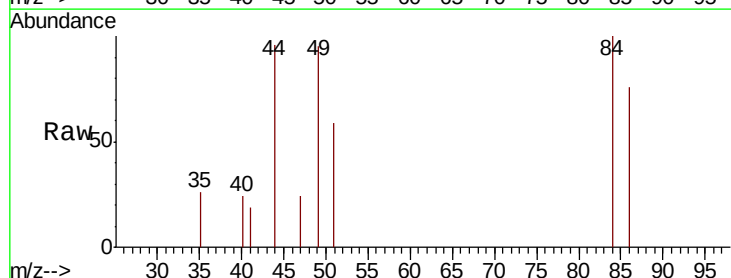
Ion Ratio Lower Upper

84 100

49 94.7 96.6 144.8#

51 58.6 30.7 46.1#

86 76.3 51.0 76.6



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

500

400

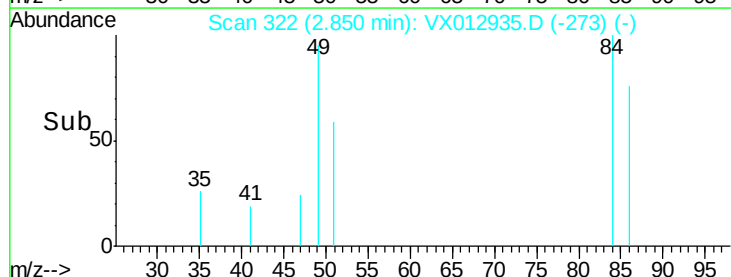
300

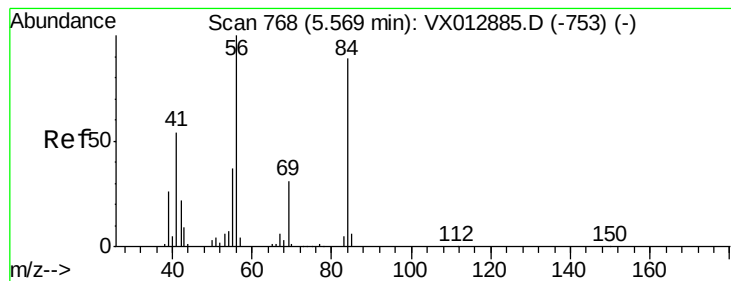
200

100

0

Time-->





#31

Cyclohexane

Concen: 1.201 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012935.D

Acq: 09 Oct 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

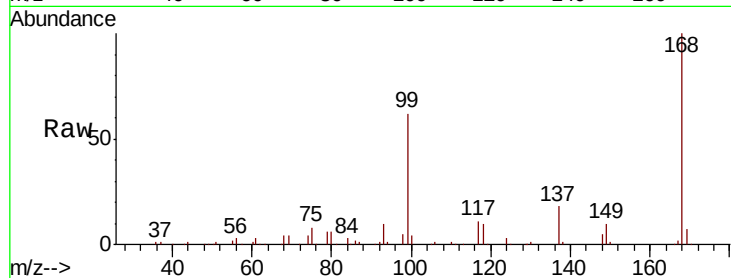
Tot Ion: 56 Resp: 3928

Ion Ratio Lower Upper

56 100

69 165.6 25.2 37.8#

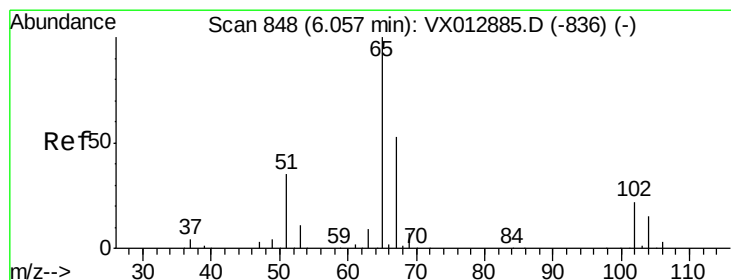
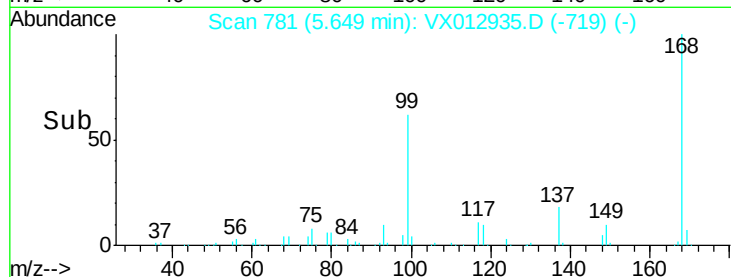
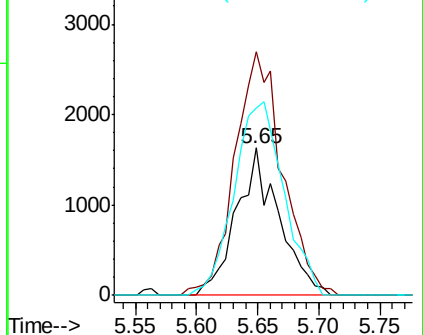
84 127.6 71.3 106.9#



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: 51.806 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX012935.D

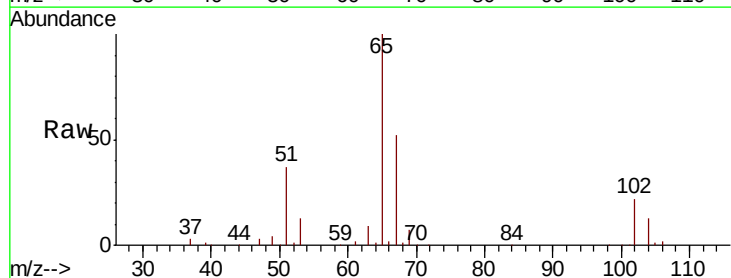
Acq: 09 Oct 2019 12:16

Tgt Ion: 65 Resp: 116763

Ion Ratio Lower Upper

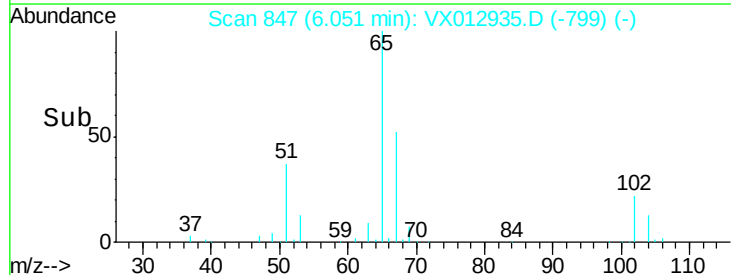
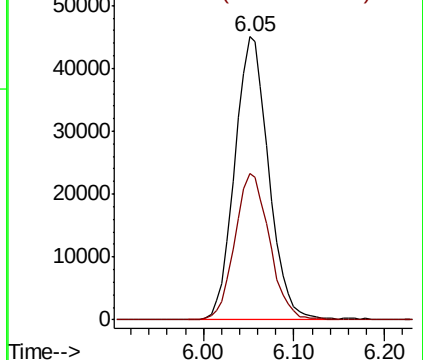
65 100

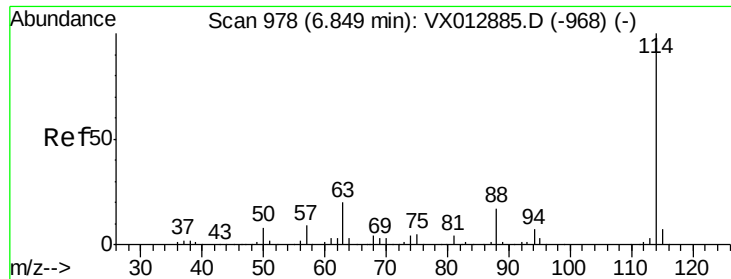
67 52.6 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

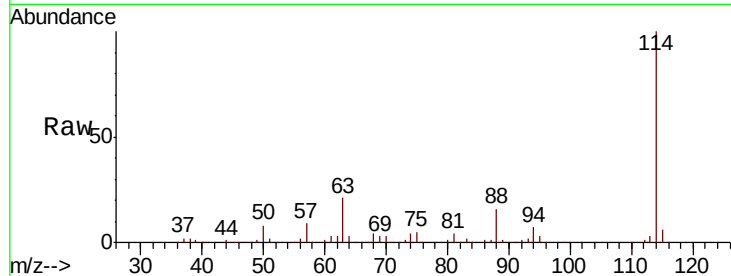




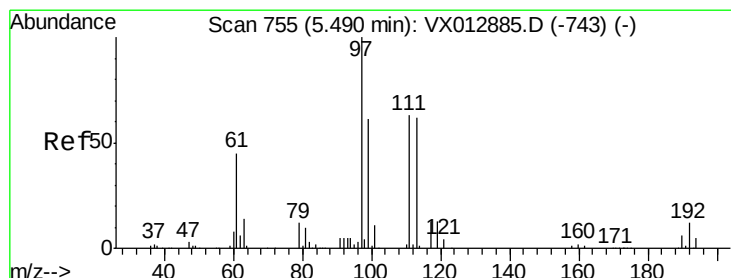
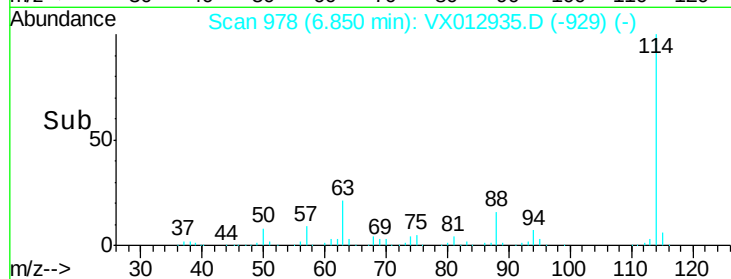
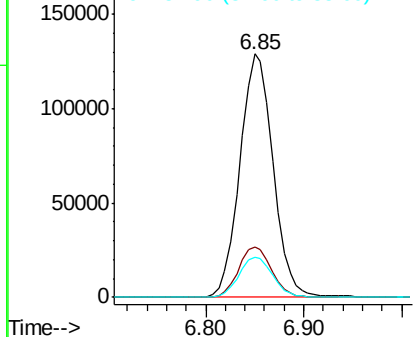
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012935.D
 Acq: 09 Oct 2019 12:16

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.8
88	16.4	0.0	33.8

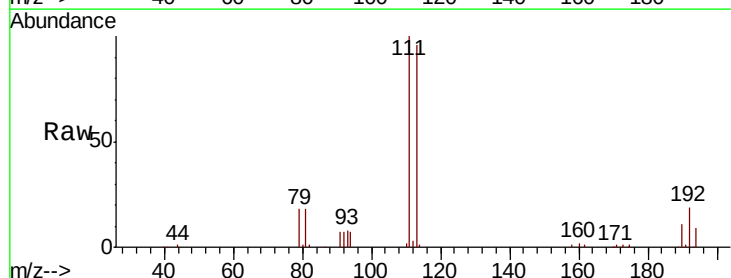


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

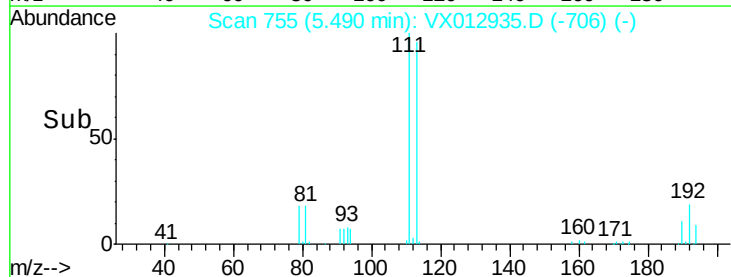
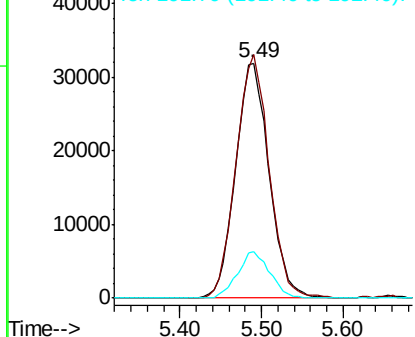


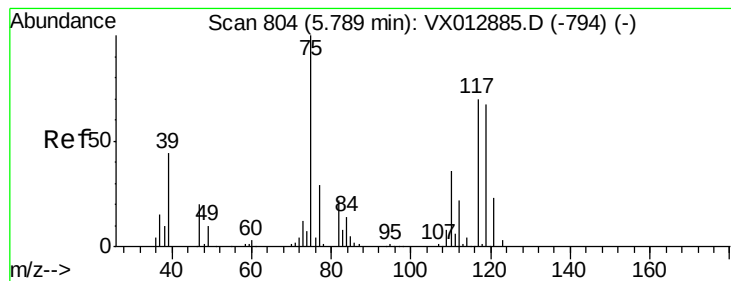
#35
 Dibromofluoromethane
 Concen: 52.092 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012935.D
 Acq: 09 Oct 2019 12:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.2	124.8
192	19.1	15.4	23.2



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: 5.540 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012935.D

Acq: 09 Oct 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

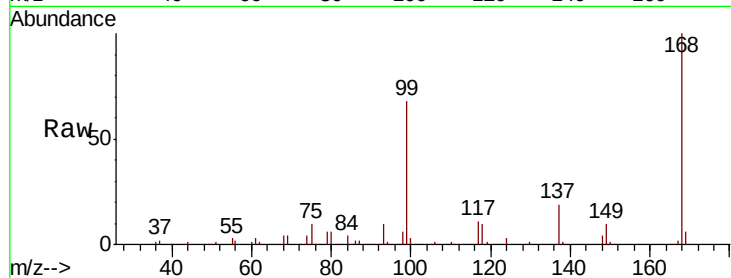
Tot Ion: 75 Resp: 14800

Ion Ratio Lower Upper

75 100

110 9.2 17.6 52.9#

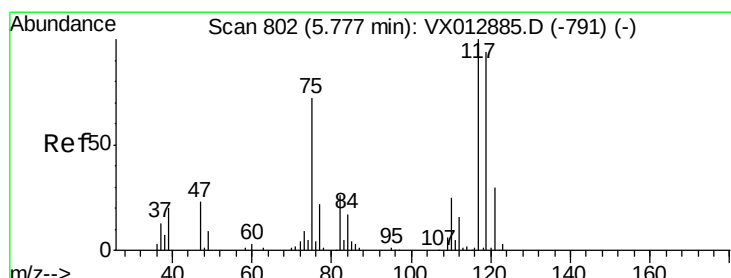
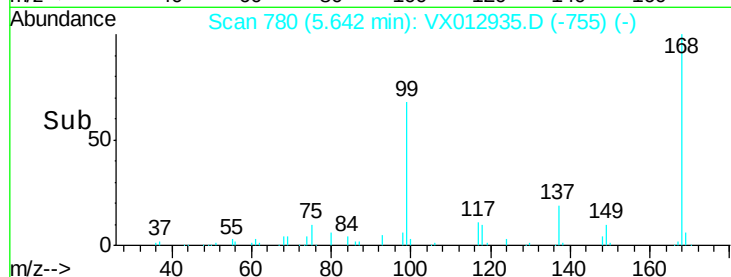
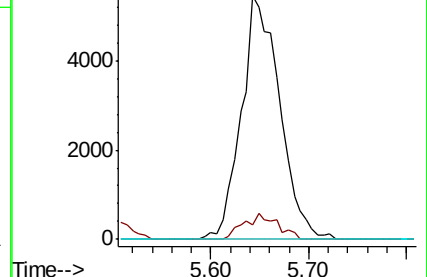
77 0.0 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VX012935.D (-755) (-)

Ion 109.90 (109.60 to 110.60): VX012935.D (-755) (-)

Ion 76.90 (76.60 to 77.60): VX012935.D (-755) (-)



#38

Carbon Tetrachloride

Concen: 7.278 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX012935.D

Acq: 09 Oct 2019 12:16

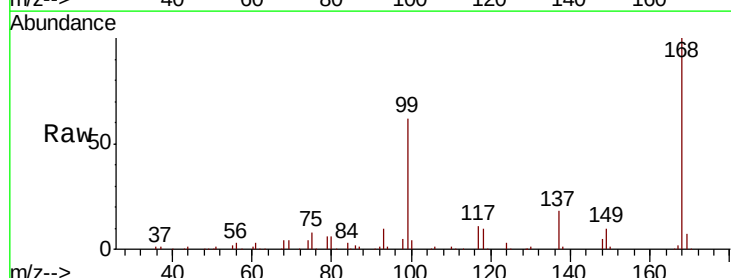
Tgt Ion: 117 Resp: 18926

Ion Ratio Lower Upper

117 100

119 3.4 74.5 111.7#

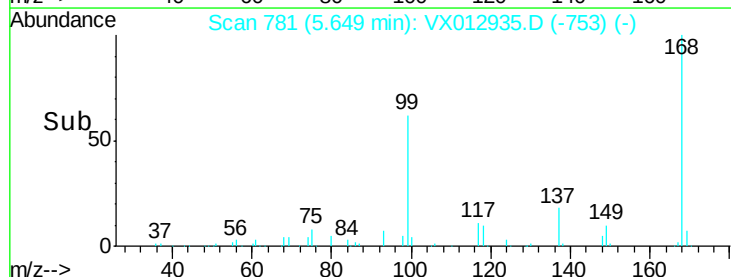
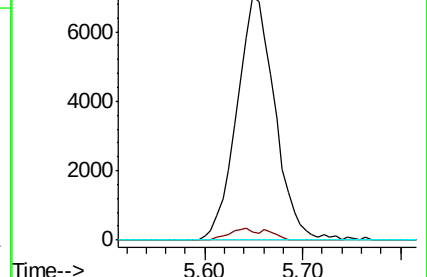
121 0.0 24.2 36.4#

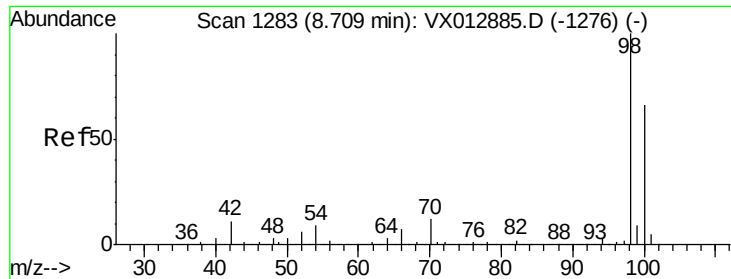


Abundance Ion 116.80 (116.50 to 117.50): VX012935.D (-753) (-)

Ion 118.80 (118.50 to 119.50): VX012935.D (-753) (-)

Ion 120.80 (120.50 to 121.50): VX012935.D (-753) (-)

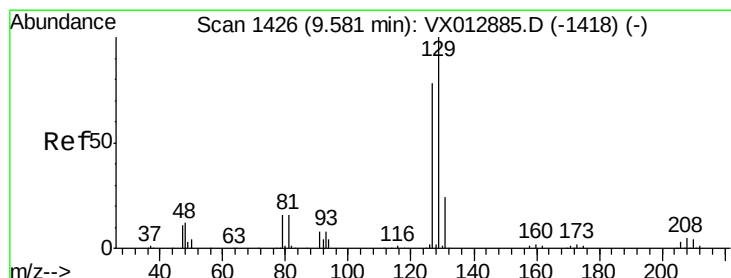
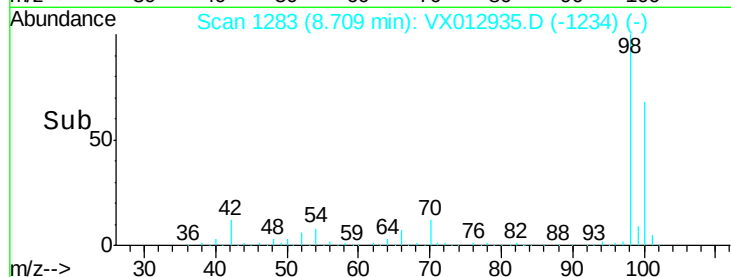
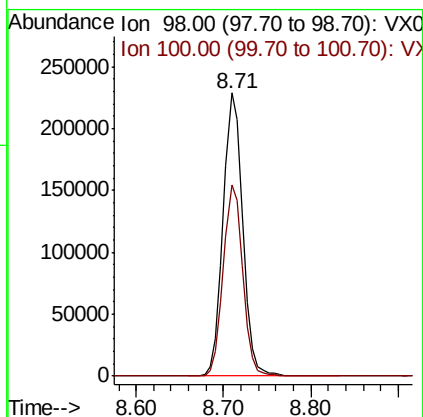
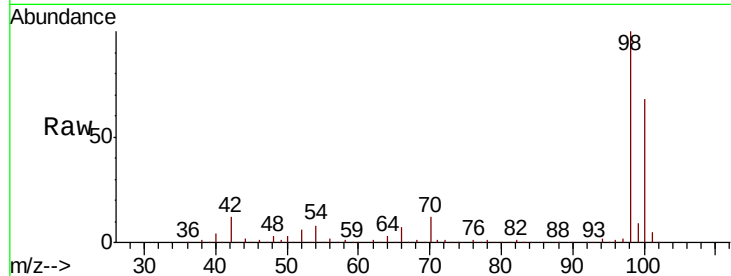




#50
Toluene-d8
Concen: 52.153 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012935.D
Acq: 09 Oct 2019 12:16

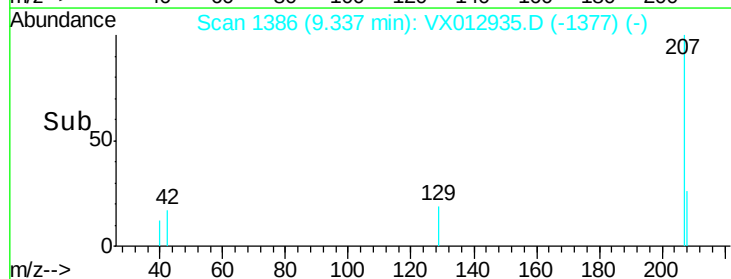
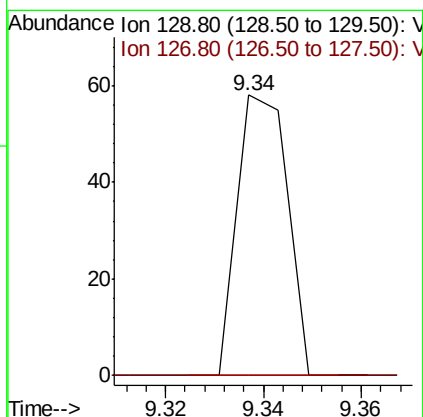
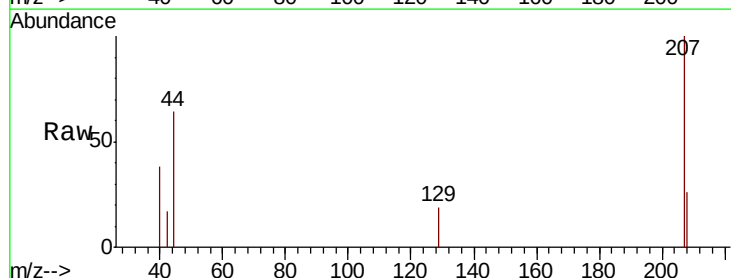
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

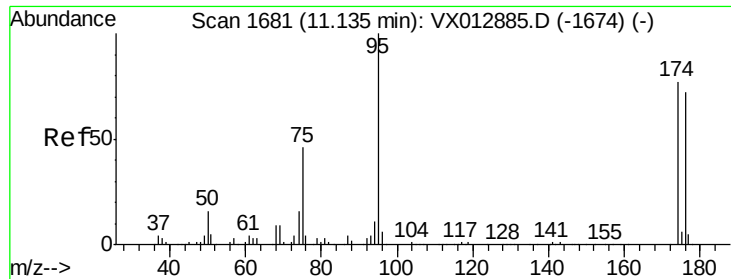
Tot Ion: 98 Resp: 354750
Ion Ratio Lower Upper
98 100
100 67.4 53.4 80.2



#60
Dibromochloromethane
Concen: 1.875 ug/l
RT: 9.34 min Scan# 1386
Delta R.T. -0.24 min
Lab File: VX012935.D
Acq: 09 Oct 2019 12:16

Tgt Ion: 129 Resp: 41
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#





#62

4-Bromofluorobenzene

Concen: 46.228 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012935.D

Acq: 09 Oct 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

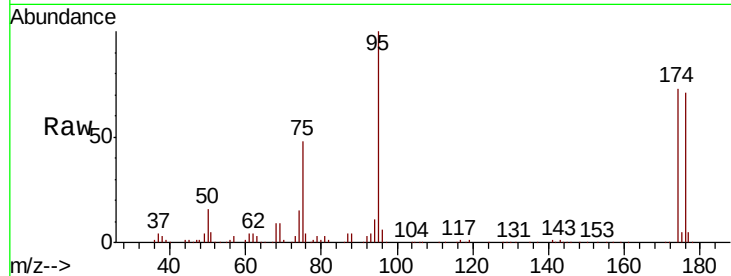
Tot Ion: 95 Resp: 122180

Ion Ratio Lower Upper

95 100

174 69.9 0.0 143.4

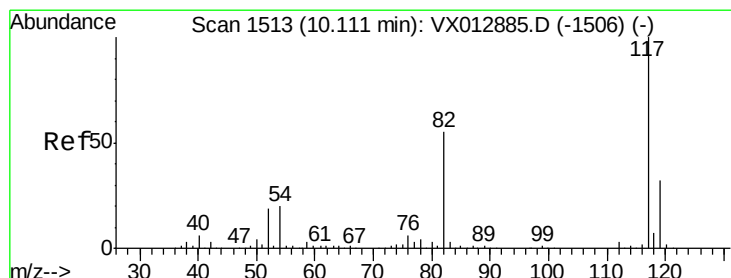
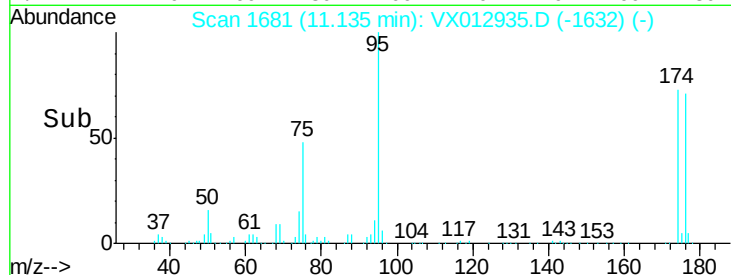
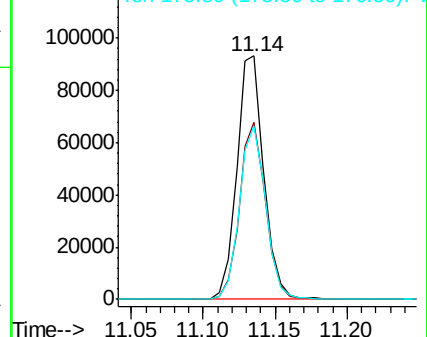
176 69.3 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VX012935.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012935.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012935.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012935.D

Acq: 09 Oct 2019 12:16

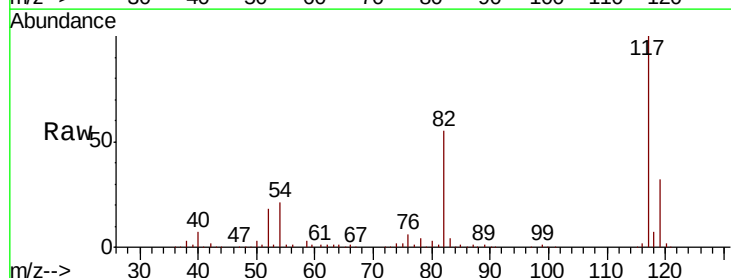
Tgt Ion: 117 Resp: 257183

Ion Ratio Lower Upper

117 100

82 55.2 44.1 66.1

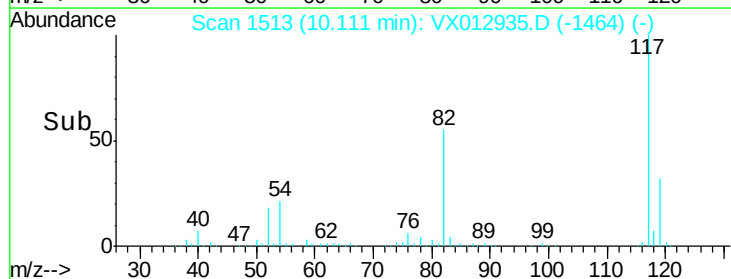
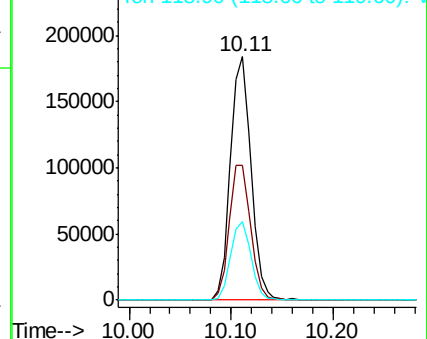
119 32.1 25.8 38.8

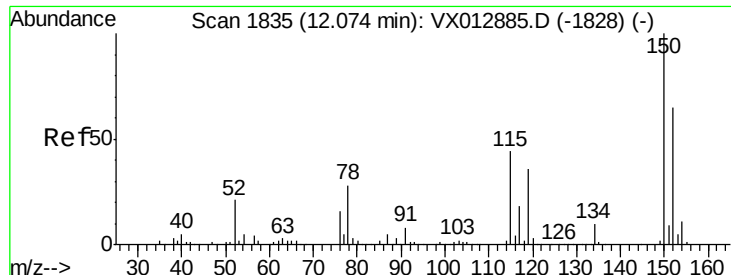


Abundance Ion 116.90 (116.60 to 117.60): VX012935.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012935.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012935.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012935.D

Acq: 09 Oct 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

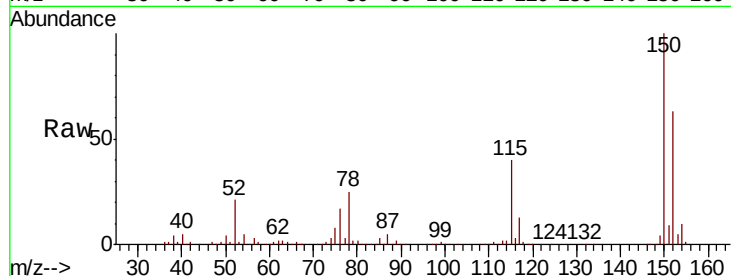
Tot Ion:152 Resp: 100051

Ion Ratio Lower Upper

152 100

115 63.4 44.5 133.5

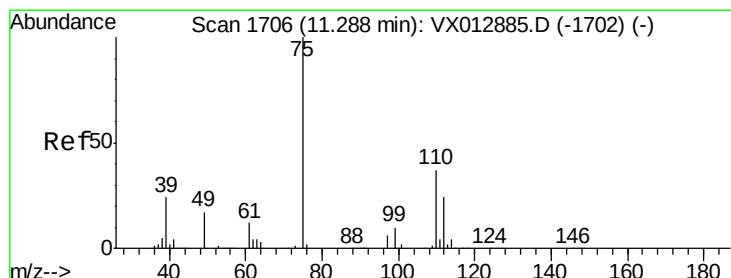
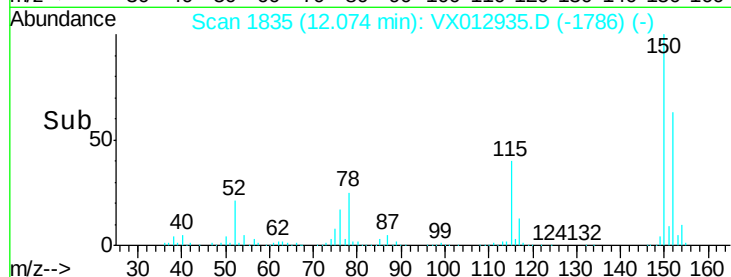
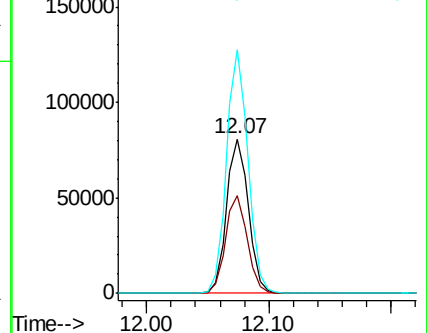
150 154.7 0.0 353.4



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: 26.858 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012935.D

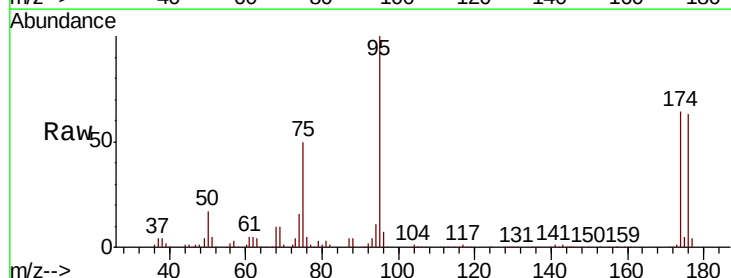
Acq: 09 Oct 2019 12:16

Tgt Ion: 75 Resp: 59602

Ion Ratio Lower Upper

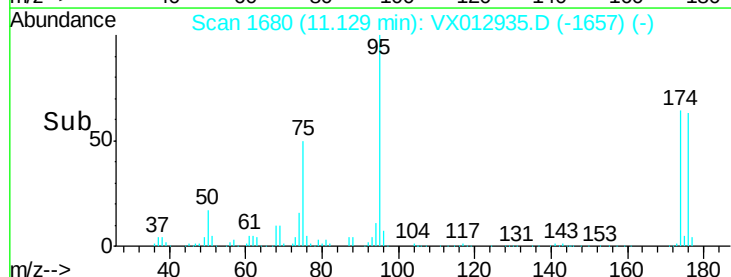
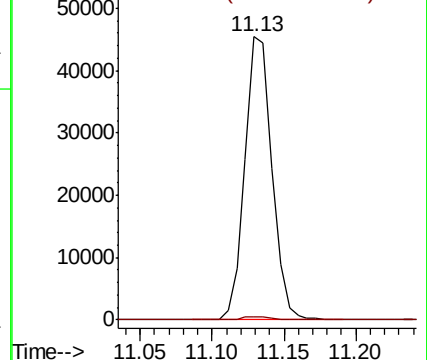
75 100

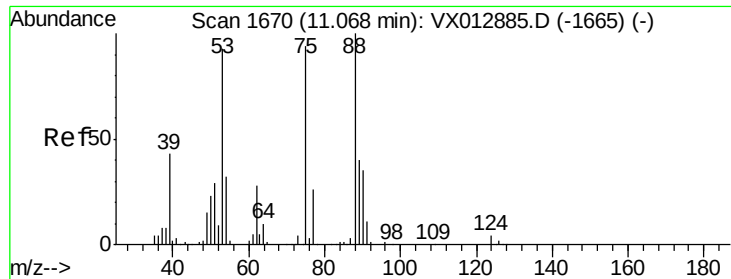
77 1.1 22.9 68.8#



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: 67.508 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012935.D

Acq: 09 Oct 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 75 Resp: 59602

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#

