

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012947.D
 Acq On : 09 Oct 2019 16:55
 Operator : JC/SP
 Sample : K5234-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0007A

Quant Time: Oct 10 01:38:21 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	175204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	291309	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	95368	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	114163	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
35) Dibromofluoromethane	5.48	113	87645	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
50) Toluene-d8	8.71	98	343476	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	
62) 4-Bromofluorobenzene	11.14	95	115986	45.78	ug/l	0.00
Spiked Amount			Recovery	=	91.56%	

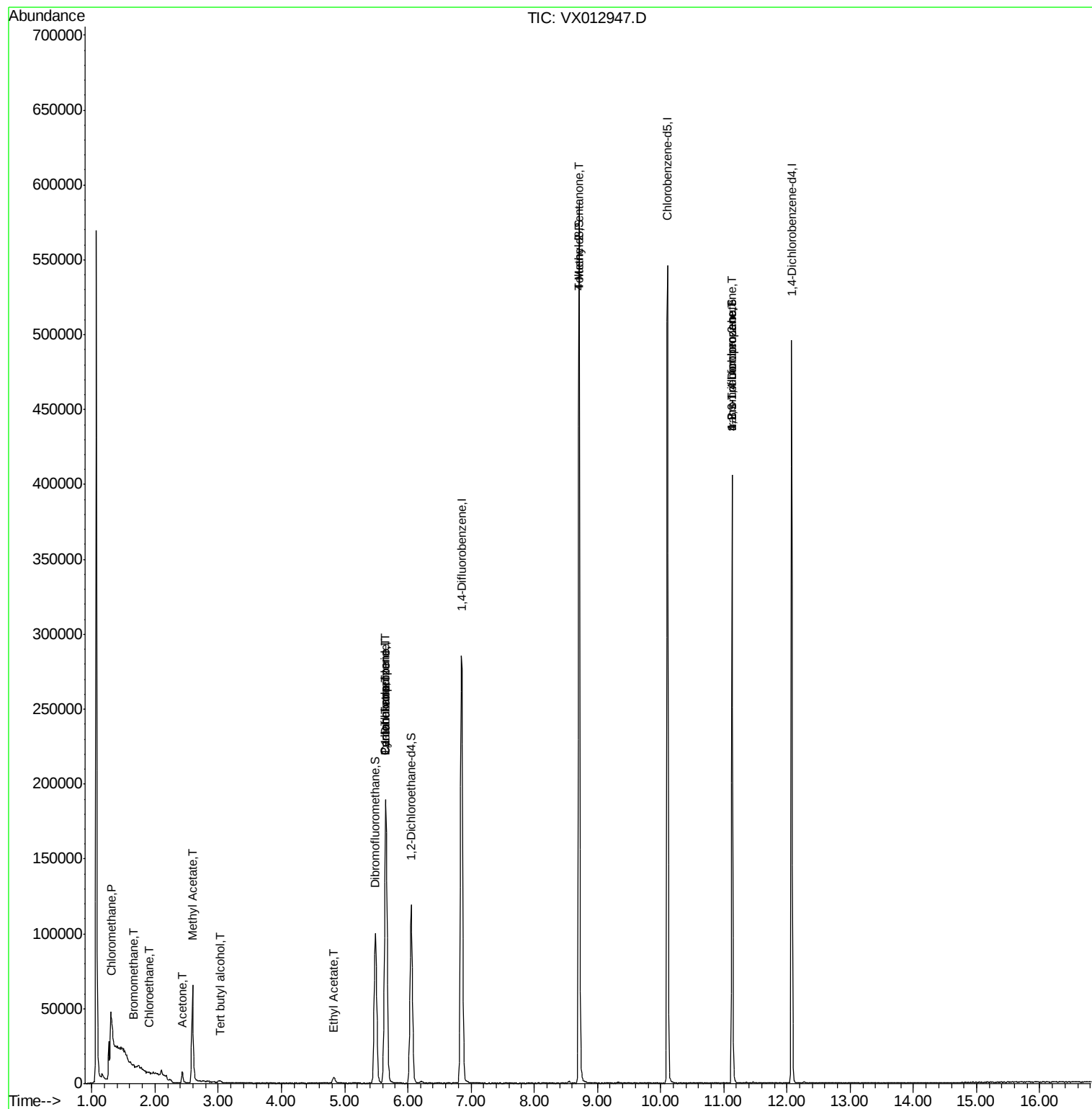
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2869	1.476	ug/l #	87
5) Bromomethane	1.65	94	339	0.407	ug/l #	53
6) Chloroethane	1.91	64	841	1.049	ug/l #	78
11) Tert butyl alcohol	3.03	59	1525	2.627	ug/l #	72
16) Acetone	2.43	43	7826	6.780	ug/l	90
18) Methyl Acetate	2.59	43	17643	6.449	ug/l #	51
31) Cyclohexane	5.64	56	3821	1.202	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14244	5.561	ug/l #	50
37) Ethyl Acetate	4.83	43	7263	2.536	ug/l	96
38) Carbon Tetrachloride	5.65	117	18067	7.247	ug/l #	18
51) 4-Methyl-2-Pentanone	8.71	43	1587	0.554	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	57855	27.351	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	57855	68.672	ug/l #	10

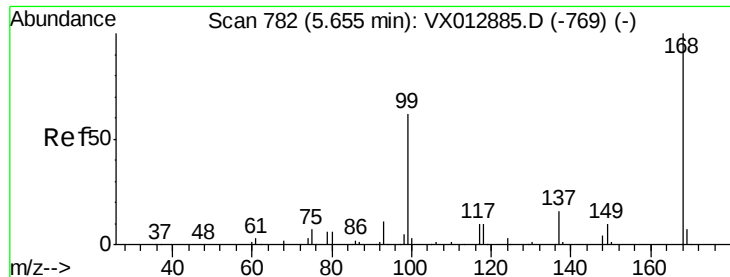
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX012947.D

Acq: 09 Oct 2019 16:55

Instrument :

MSVOA_X

ClientSampleId :

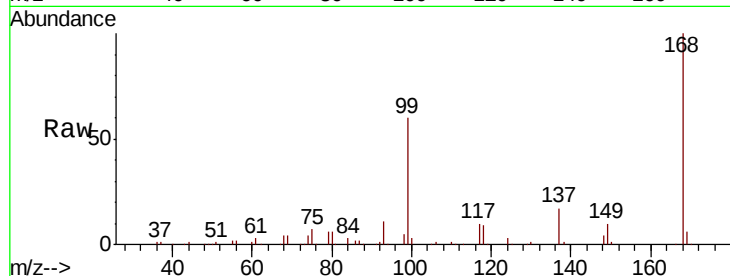
FA19-MMW0007A

Tot Ion:168 Resp: 175204

Ion Ratio Lower Upper

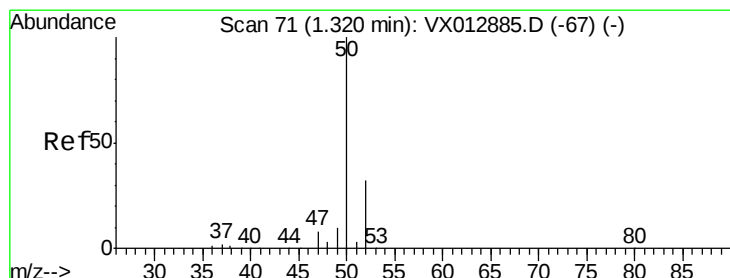
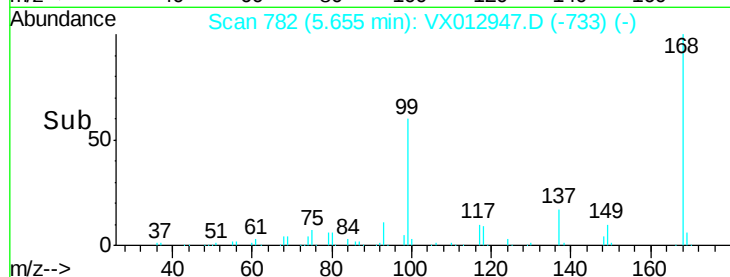
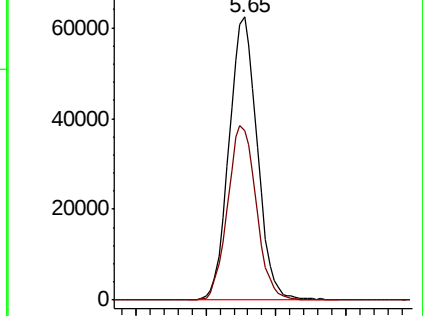
168 100

99 59.7 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: 1.476 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012947.D

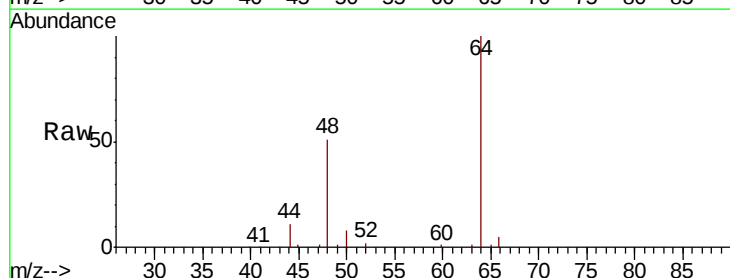
Acq: 09 Oct 2019 16:55

Tgt Ion: 50 Resp: 2869

Ion Ratio Lower Upper

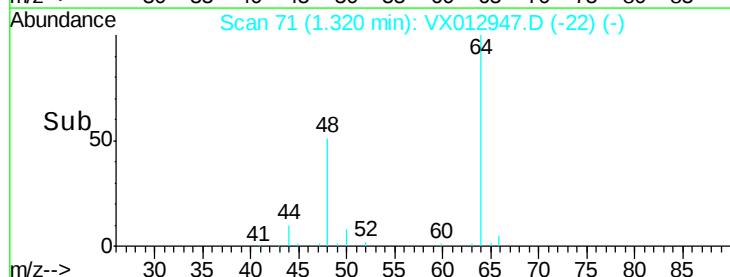
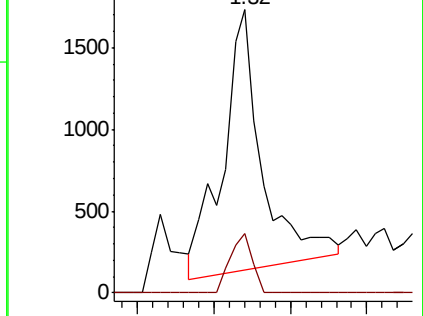
50 100

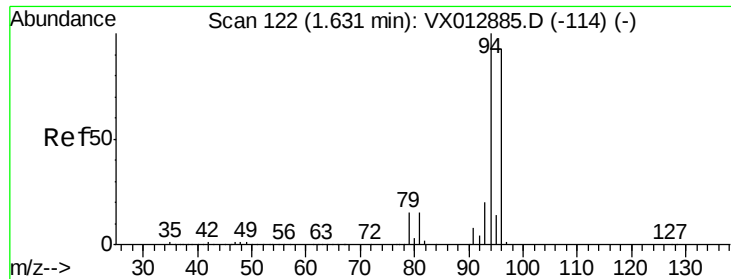
52 24.2 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.407 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012947.D

Acq: 09 Oct 2019 16:55

Instrument :

MSVOA_X

ClientSampleId :

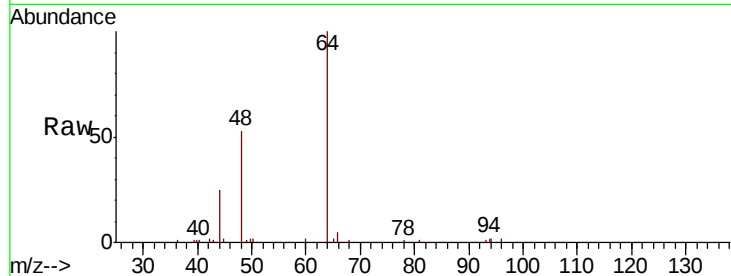
FA19-MMW0007A

Tot Ion: 94 Resp: 339

Ion Ratio Lower Upper

94 100

96 47.8 74.7 112.1#

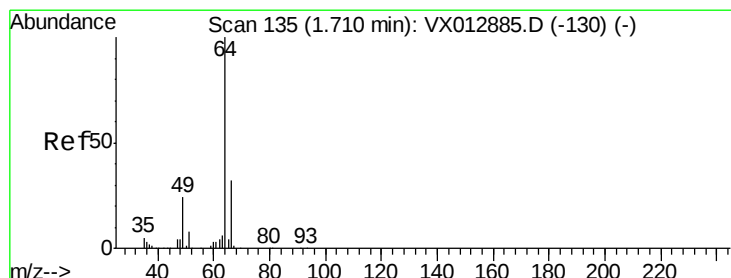
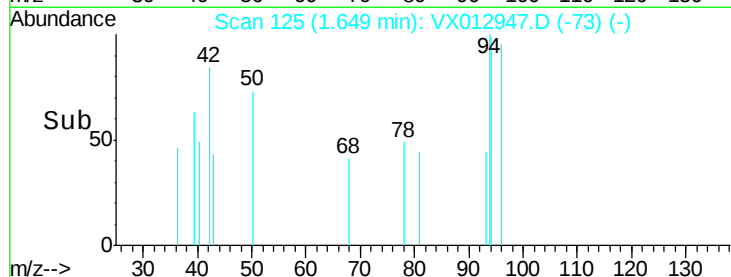


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

Time-->



#6

Chloroethane

Concen: 1.049 ug/l

RT: 1.91 min Scan# 167

Delta R.T. 0.20 min

Lab File: VX012947.D

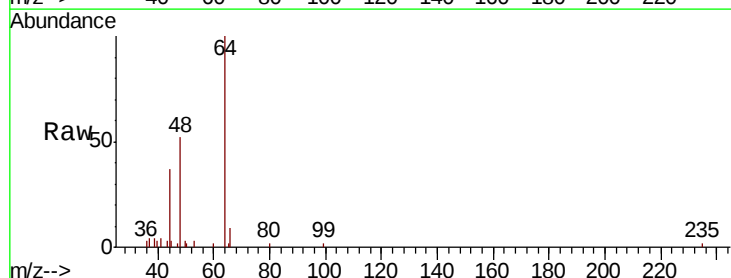
Acq: 09 Oct 2019 16:55

Tgt Ion: 64 Resp: 841

Ion Ratio Lower Upper

64 100

66 19.6 25.6 38.4#

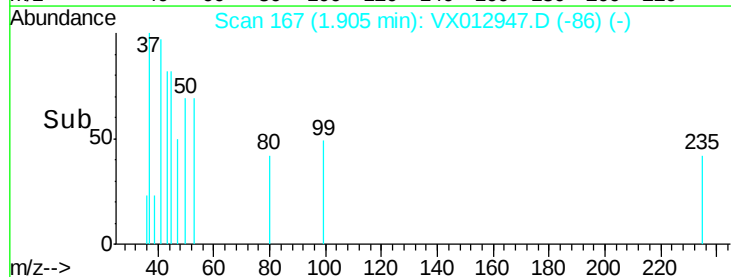


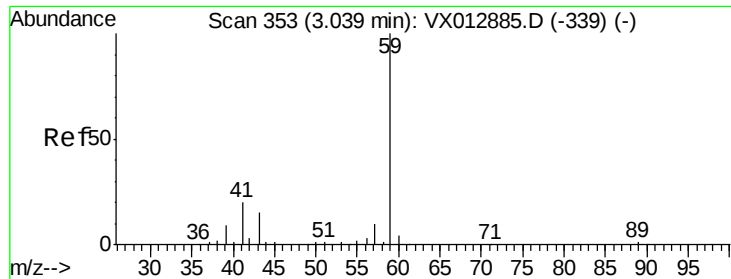
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.91

Time-->

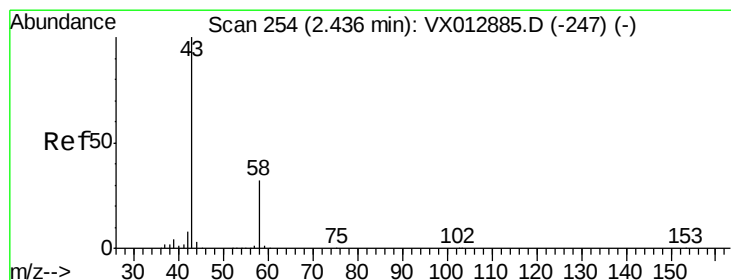
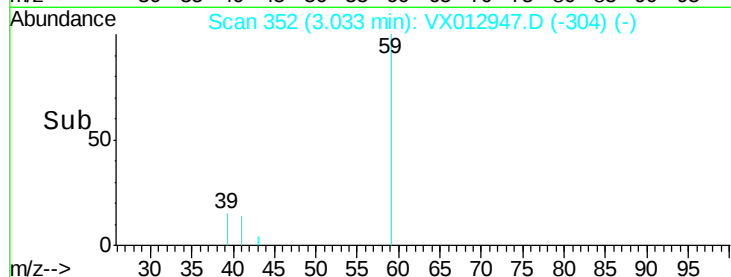
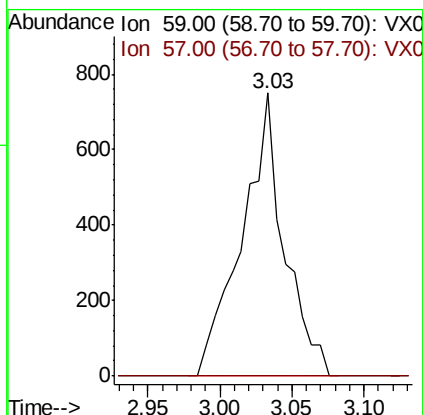
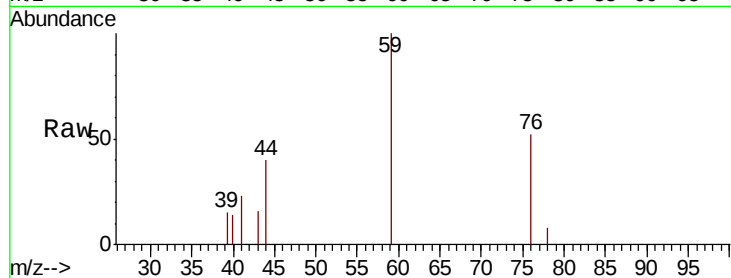




#11
Tert butyl alcohol
Concen: 2.627 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012947.D
Acq: 09 Oct 2019 16:55

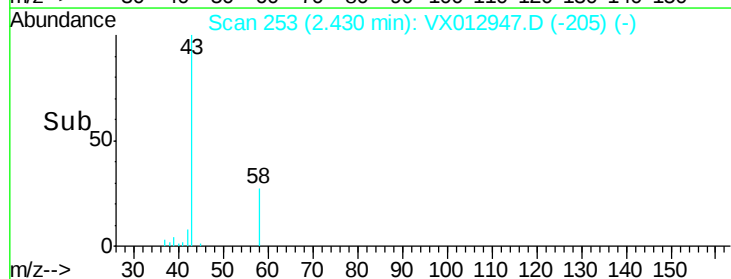
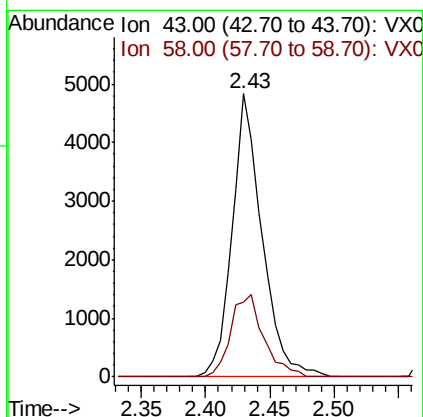
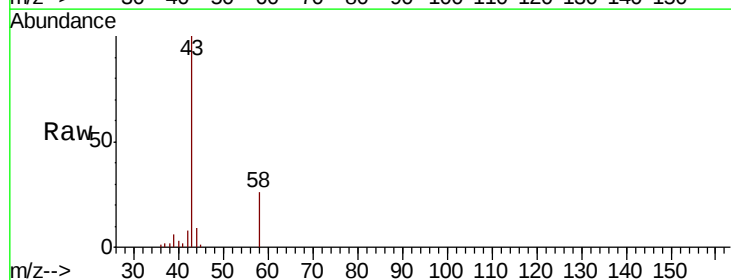
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0007A

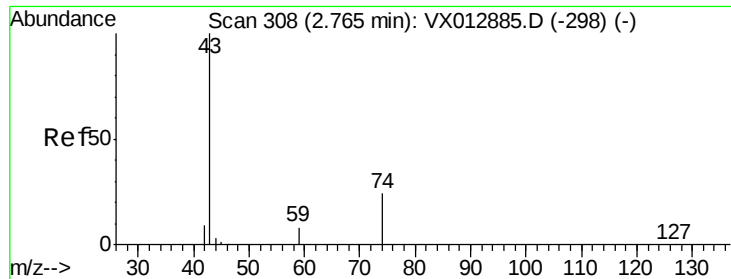
Tot Ion: 59 Resp: 1525
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 6.780 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX012947.D
Acq: 09 Oct 2019 16:55

Tgt Ion: 43 Resp: 7826
Ion Ratio Lower Upper
43 100
58 26.4 25.4 38.2

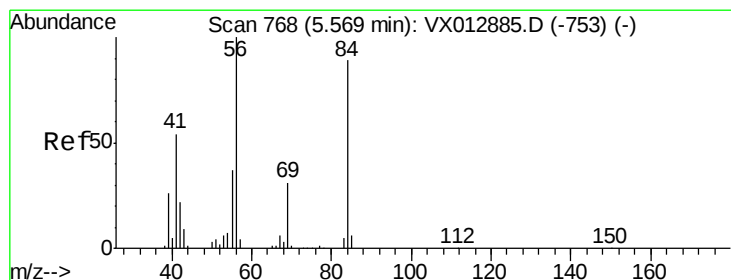
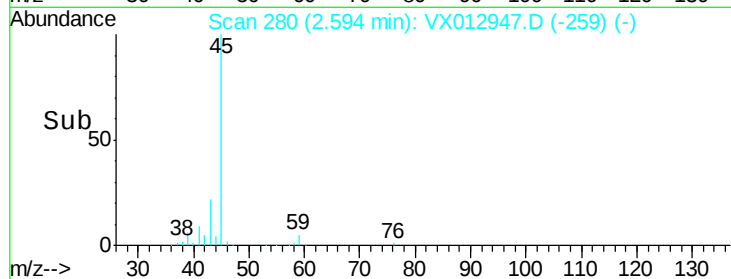
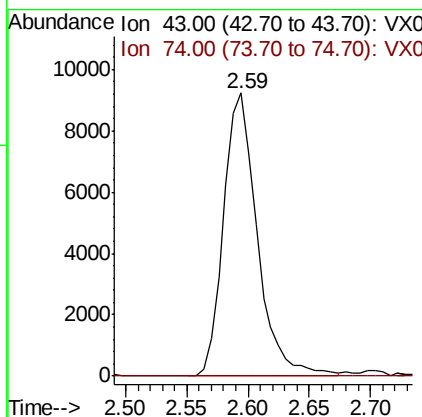
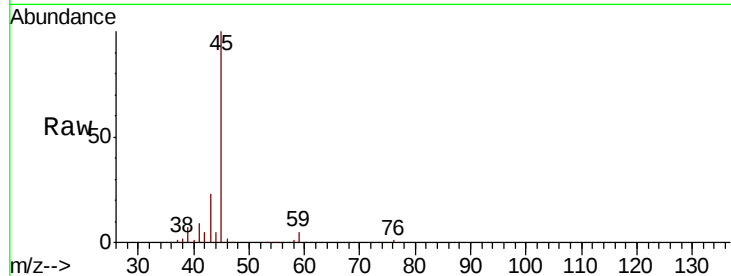




#18
Methvl Acetate
Concen: 6.449 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012947.D
Acq: 09 Oct 2019 16:55

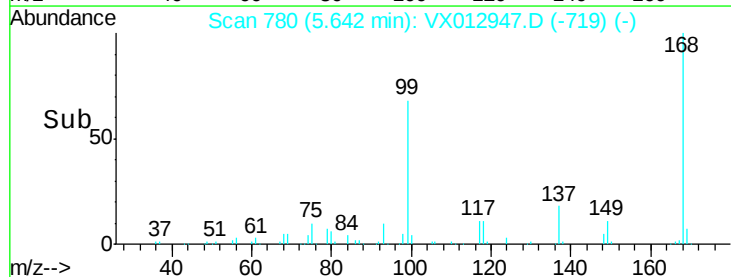
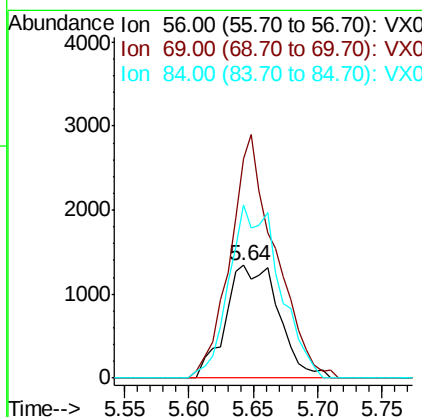
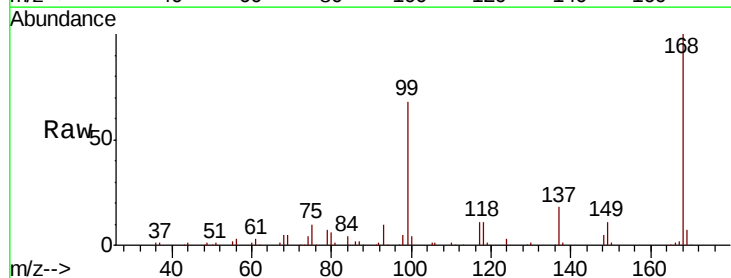
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0007A

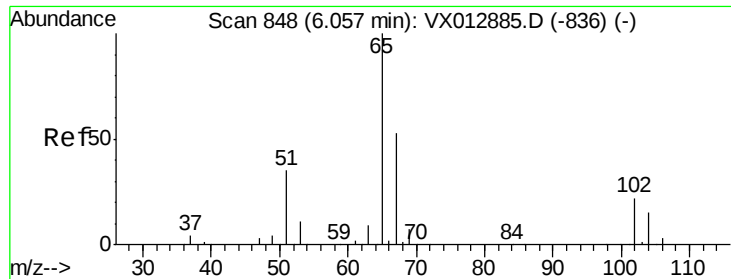
Tot Ion: 43 Resp: 17643
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#31
Cyclohexane
Concen: 1.202 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX012947.D
Acq: 09 Oct 2019 16:55

Tgt Ion: 56 Resp: 3821
Ion Ratio Lower Upper
56 100
69 193.8 25.2 37.8#
84 152.9 71.3 106.9#

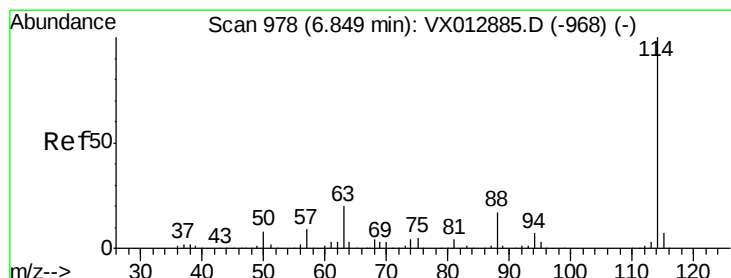
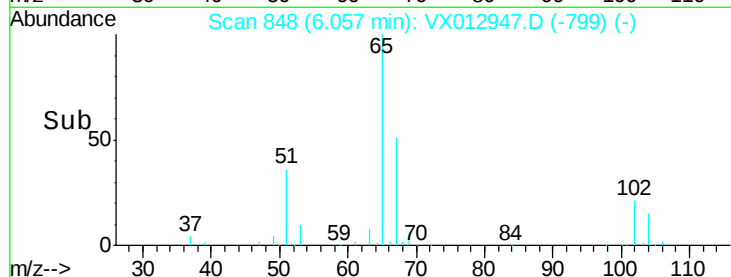
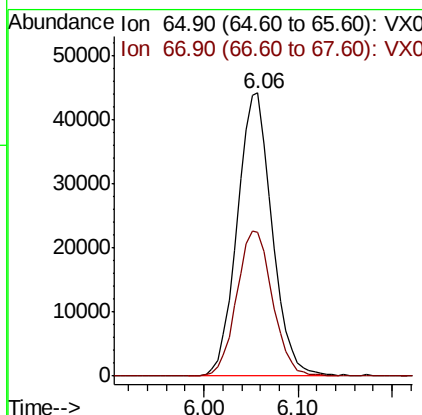
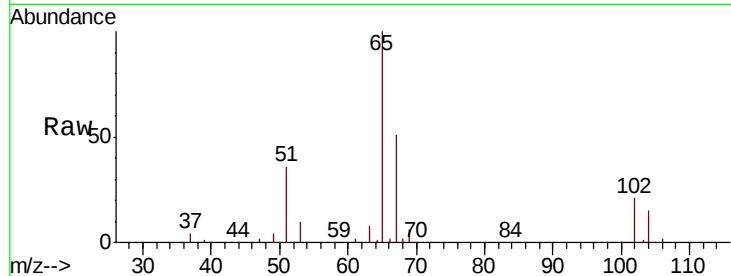




#33
 1,2-Dichloroethane-d4
 Concen: 52.133 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: VX012947.D
 Acq: 09 Oct 2019 16:55

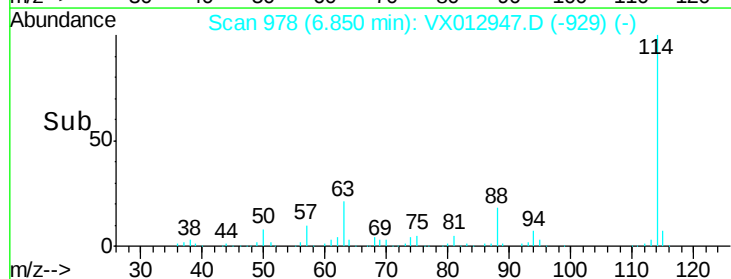
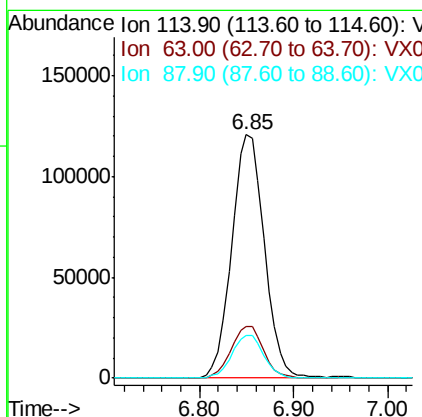
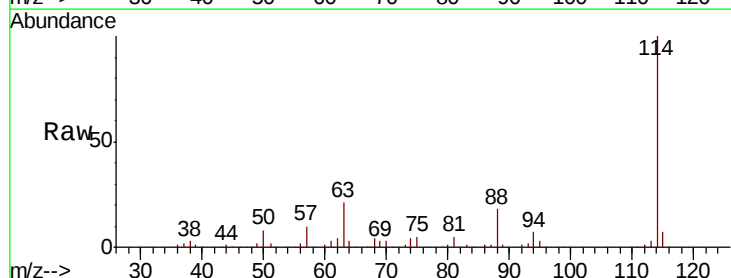
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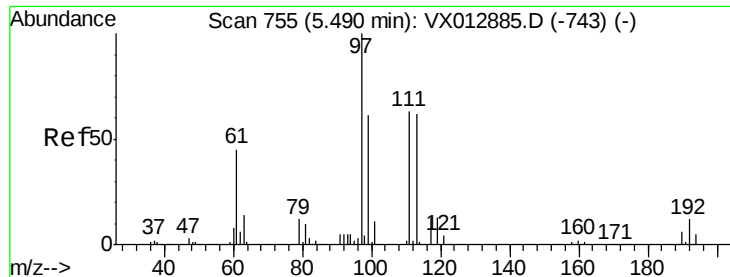
Tot Ion: 65 Resp: 114163
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012947.D
 Acq: 09 Oct 2019 16:55

Tgt Ion: 114 Resp: 291309
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 40.8
 88 17.6 0.0 33.8

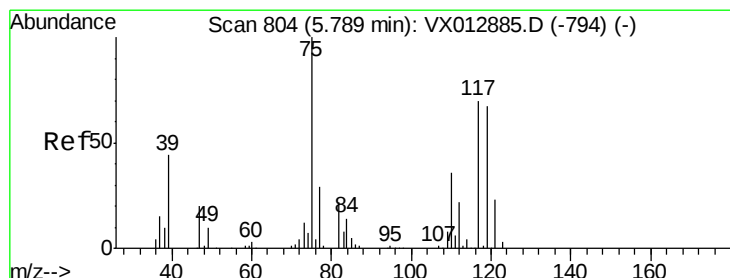
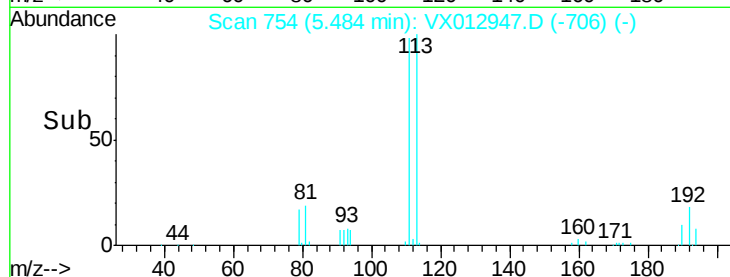
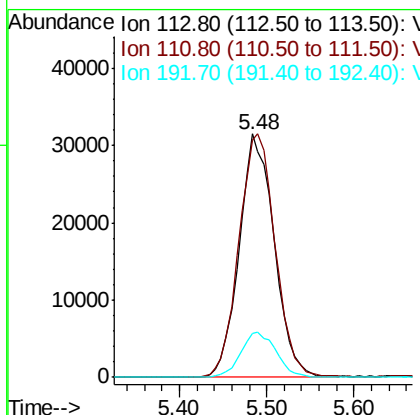
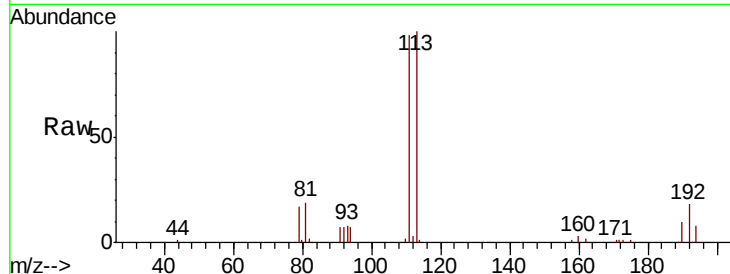




#35
Dibromofluoromethane
Concen: 52.421 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX012947.D
Acq: 09 Oct 2019 16:55

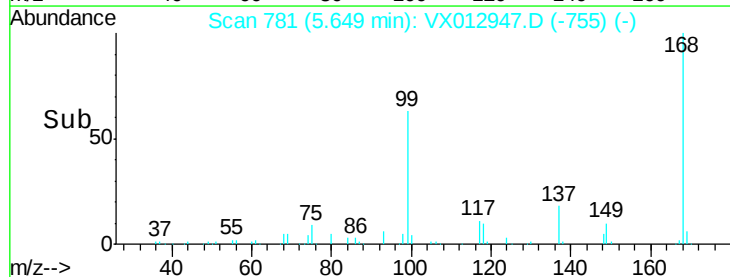
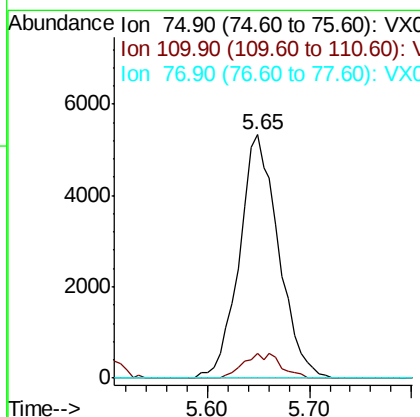
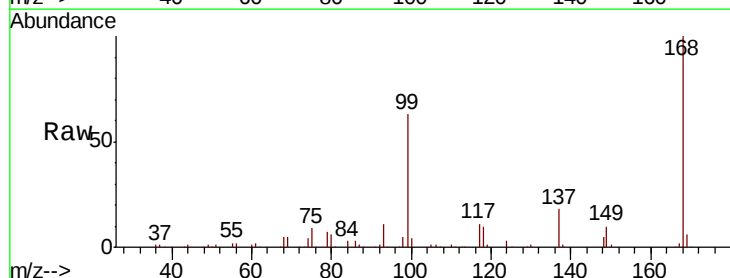
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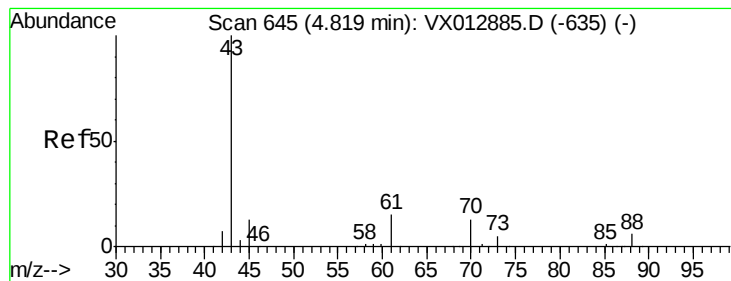
Tot Ion:113 Resp: 87645
Ion Ratio Lower Upper
113 100
111 103.7 83.2 124.8
192 18.7 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.561 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.14 min
Lab File: VX012947.D
Acq: 09 Oct 2019 16:55

Tgt Ion: 75 Resp: 14244
Ion Ratio Lower Upper
75 100
110 9.6 17.6 52.9#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.536 ug/l

RT: 4.83 min Scan# 646

Delta R.T. 0.01 min

Lab File: VX012947.D

Acq: 09 Oct 2019 16:55

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0007A

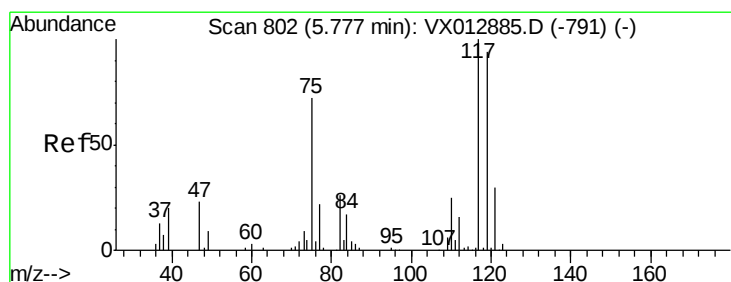
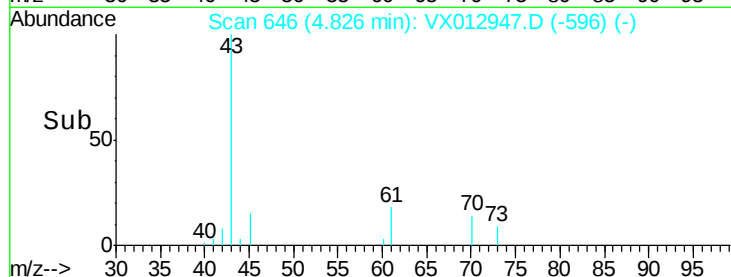
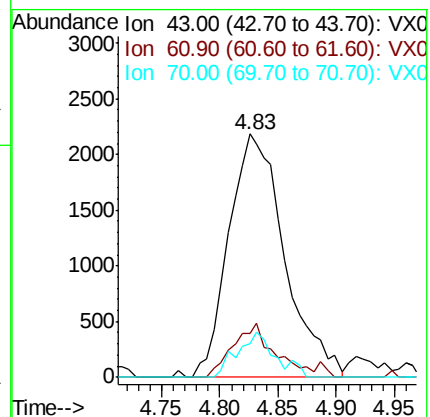
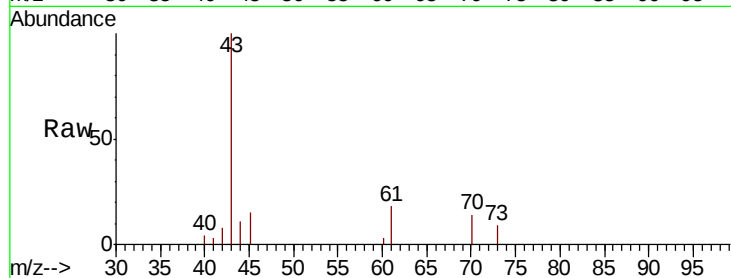
Tot Ion: 43 Resp: 7263

Ion Ratio Lower Upper

43 100

61 16.5 11.4 17.0

70 12.6 9.8 14.6



#38

Carbon Tetrachloride

Concen: 7.247 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX012947.D

Acq: 09 Oct 2019 16:55

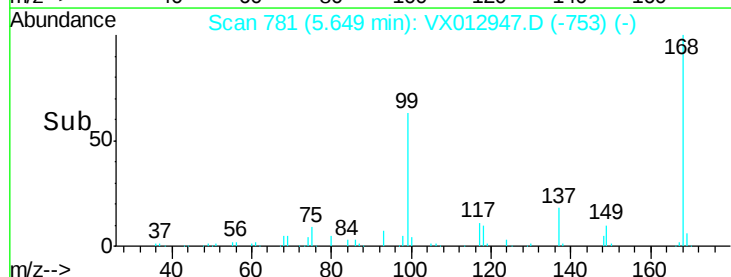
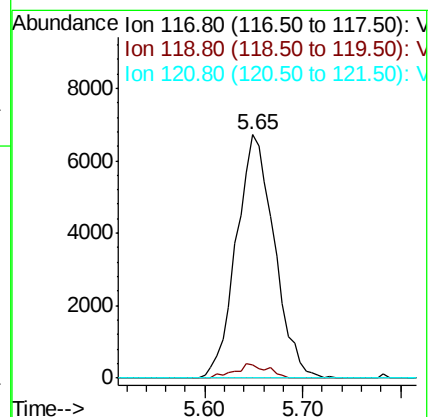
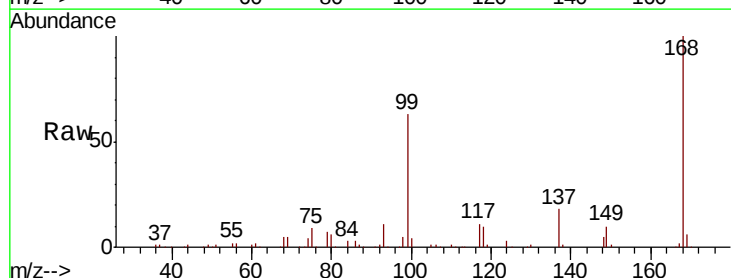
Tgt Ion: 117 Resp: 18067

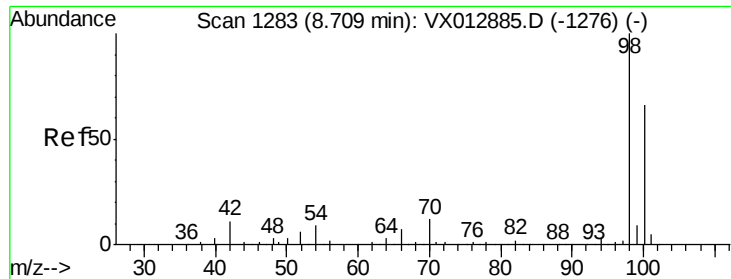
Ion Ratio Lower Upper

117 100

119 5.6 74.5 111.7#

121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 52.672 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012947.D

Acq: 09 Oct 2019 16:55

Instrument :

MSVOA_X

ClientSampleId :

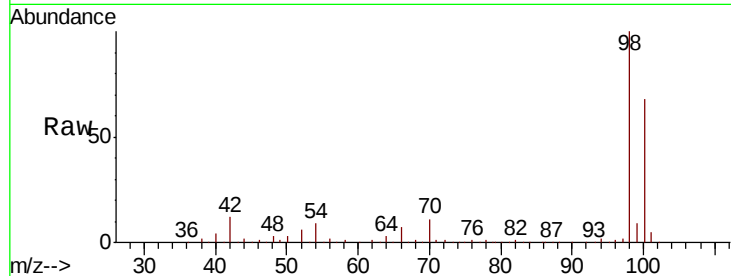
FA19-MMW0007A

Tot Ion: 98 Resp: 343476

Ion Ratio Lower Upper

98 100

100 67.4 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

250000

200000

150000

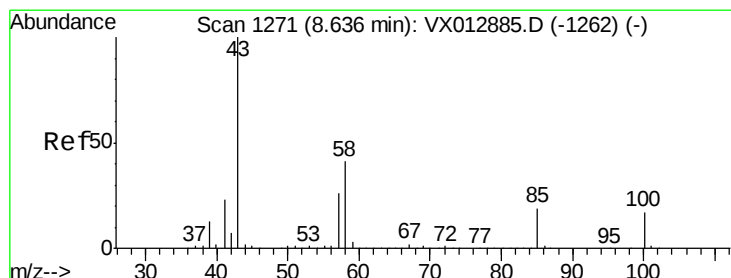
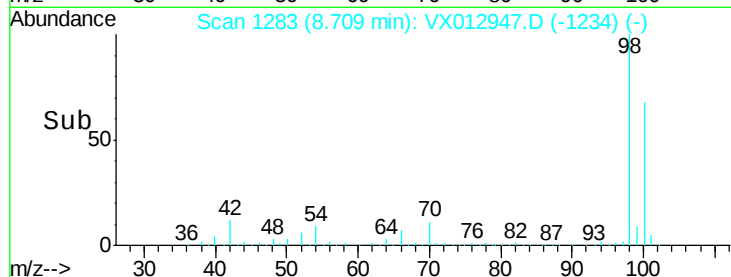
100000

50000

0

Time-->

8.60 8.70 8.80 8.90



#51

4-Methyl-2-Pentanone

Concen: 0.554 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012947.D

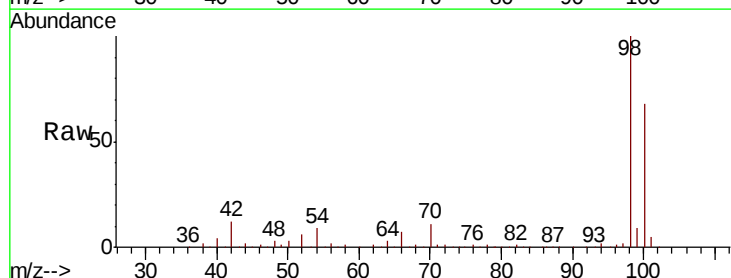
Acq: 09 Oct 2019 16:55

Tgt Ion: 43 Resp: 1587

Ion Ratio Lower Upper

43 100

58 183.6 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2000

1500

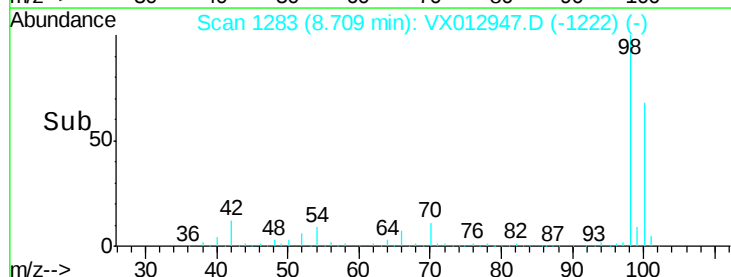
1000

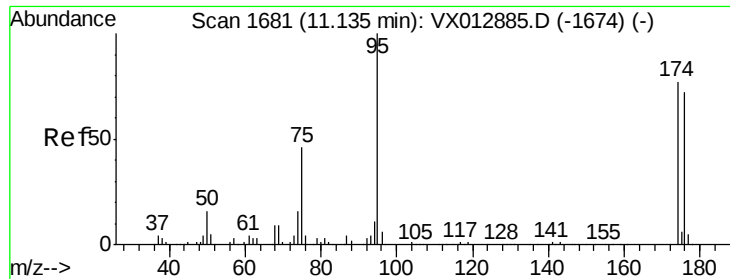
500

0

Time-->

8.65 8.70 8.75





#62

4-Bromofluorobenzene

Concen: 45.775 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012947.D

Acq: 09 Oct 2019 16:55

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0007A

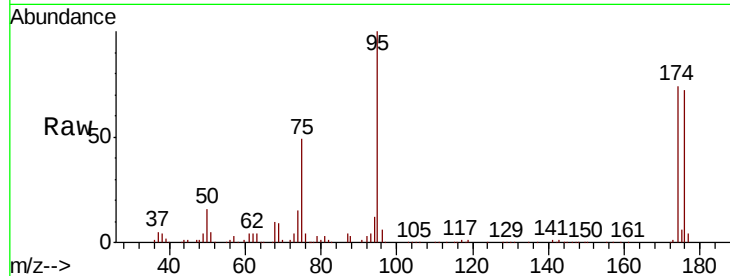
Tot Ion: 95 Resp: 115986

Ion Ratio Lower Upper

95 100

174 71.4 0.0 143.4

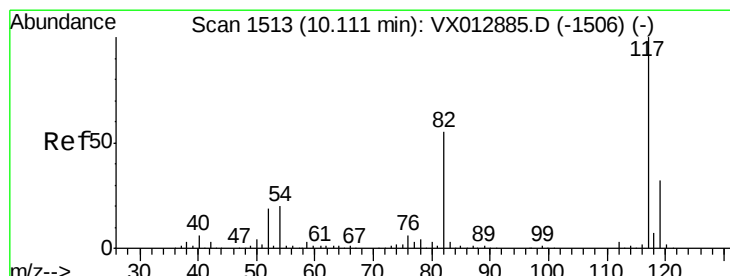
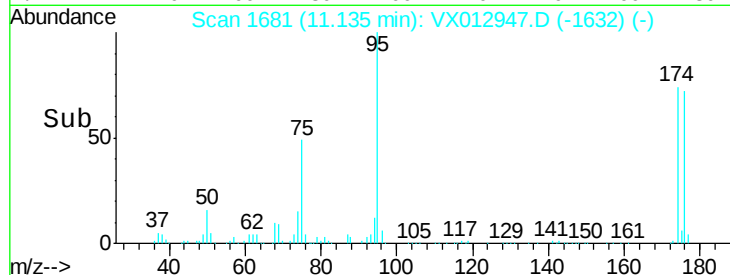
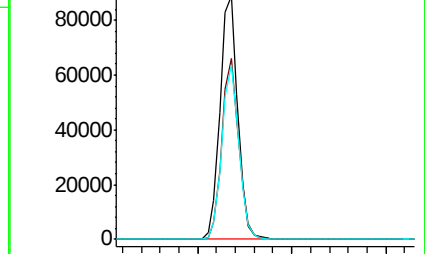
176 69.2 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VX012885.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012885.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX012885.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012947.D

Acq: 09 Oct 2019 16:55

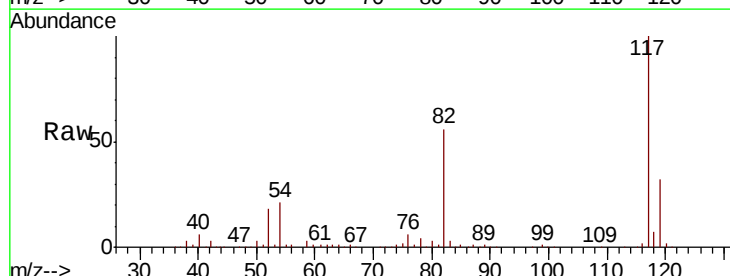
Tgt Ion: 117 Resp: 249570

Ion Ratio Lower Upper

117 100

82 55.7 44.1 66.1

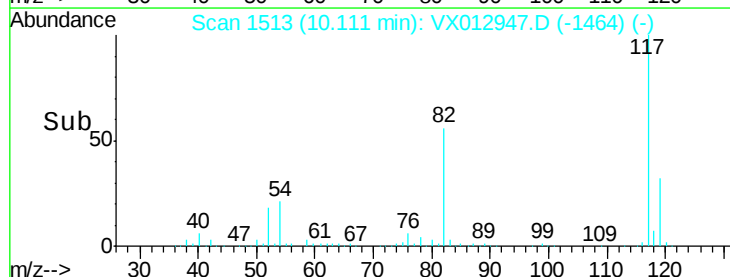
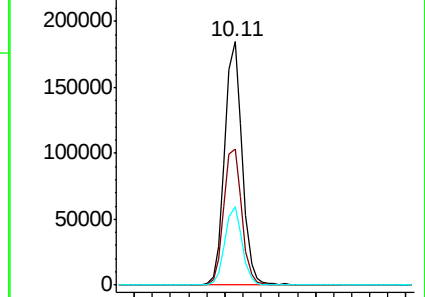
119 32.2 25.8 38.8

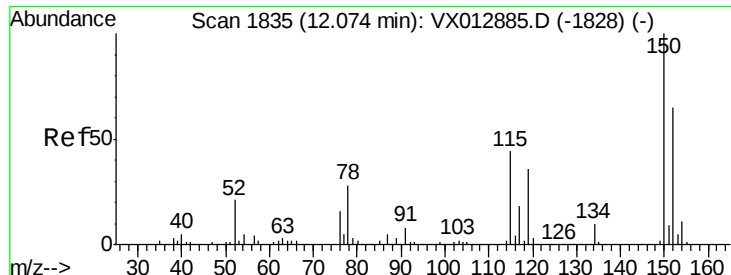


Abundance Ion 116.90 (116.60 to 117.60): VX012885.D (-1506) (-)

Ion 82.00 (81.70 to 82.70): VX012885.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX012885.D (-1506) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012947.D

Acq: 09 Oct 2019 16:55

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0007A

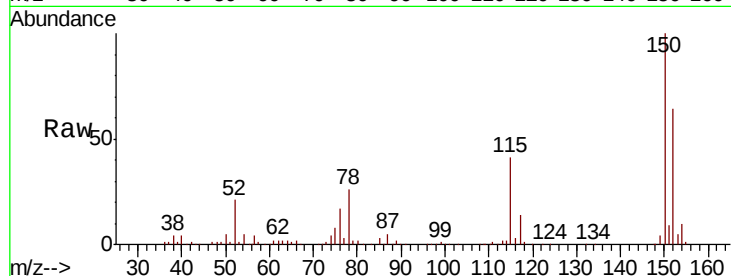
Tot Ion:152 Resp: 95368

Ion Ratio Lower Upper

152 100

115 65.4 44.5 133.5

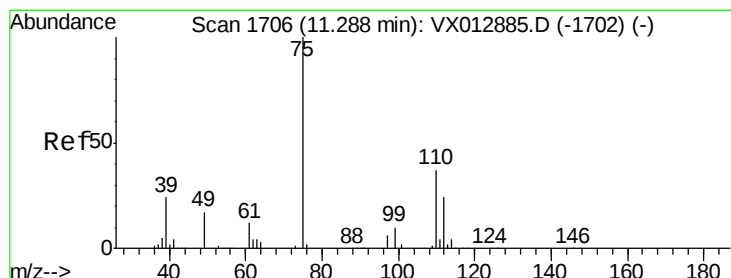
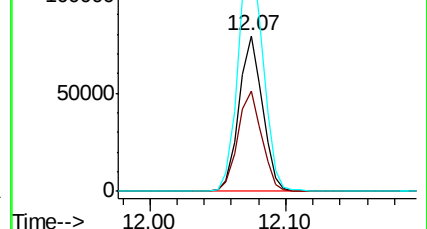
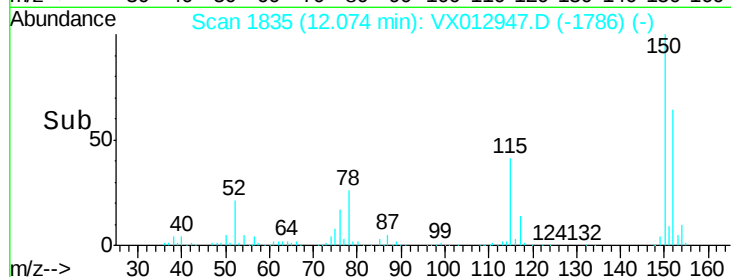
150 161.0 0.0 353.4



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: 27.351 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012947.D

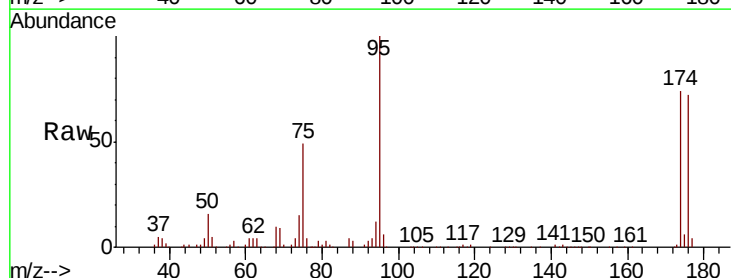
Acq: 09 Oct 2019 16:55

Tgt Ion: 75 Resp: 57855

Ion Ratio Lower Upper

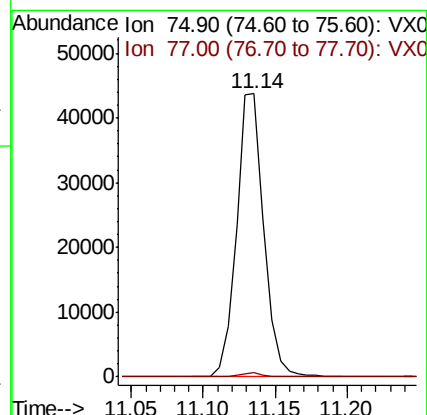
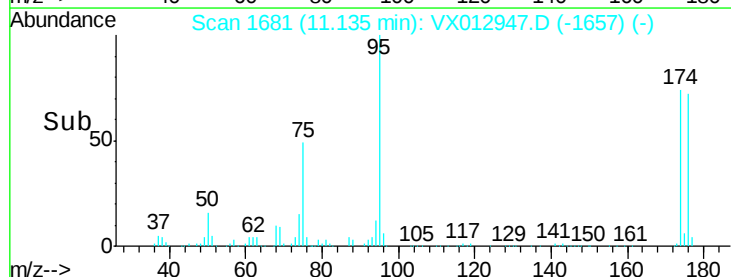
75 100

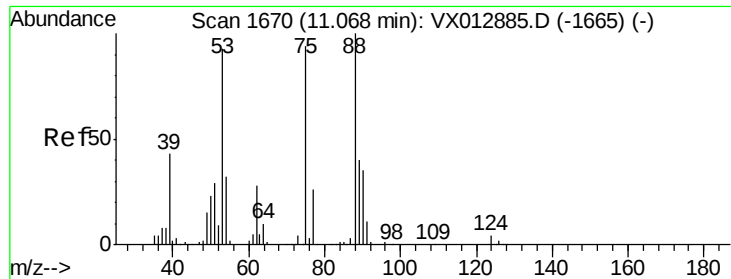
77 1.2 22.9 68.8#



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: 68.672 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012947.D

Acq: 09 Oct 2019 16:55

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0007A

Tot Ion: 75 Resp: 57855

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#

