

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012940.D
 Acq On : 09 Oct 2019 14:12
 Operator : JC/SP
 Sample : K5234-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7106B

Quant Time: Oct 10 01:36:55 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	179226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	303094	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257473	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	96954	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	119368	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	
35) Dibromofluoromethane	5.49	113	90819	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
50) Toluene-d8	8.71	98	355636	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
62) 4-Bromofluorobenzene	11.13	95	118311	44.88	ug/l	0.00
Spiked Amount			Recovery	=	89.76%	

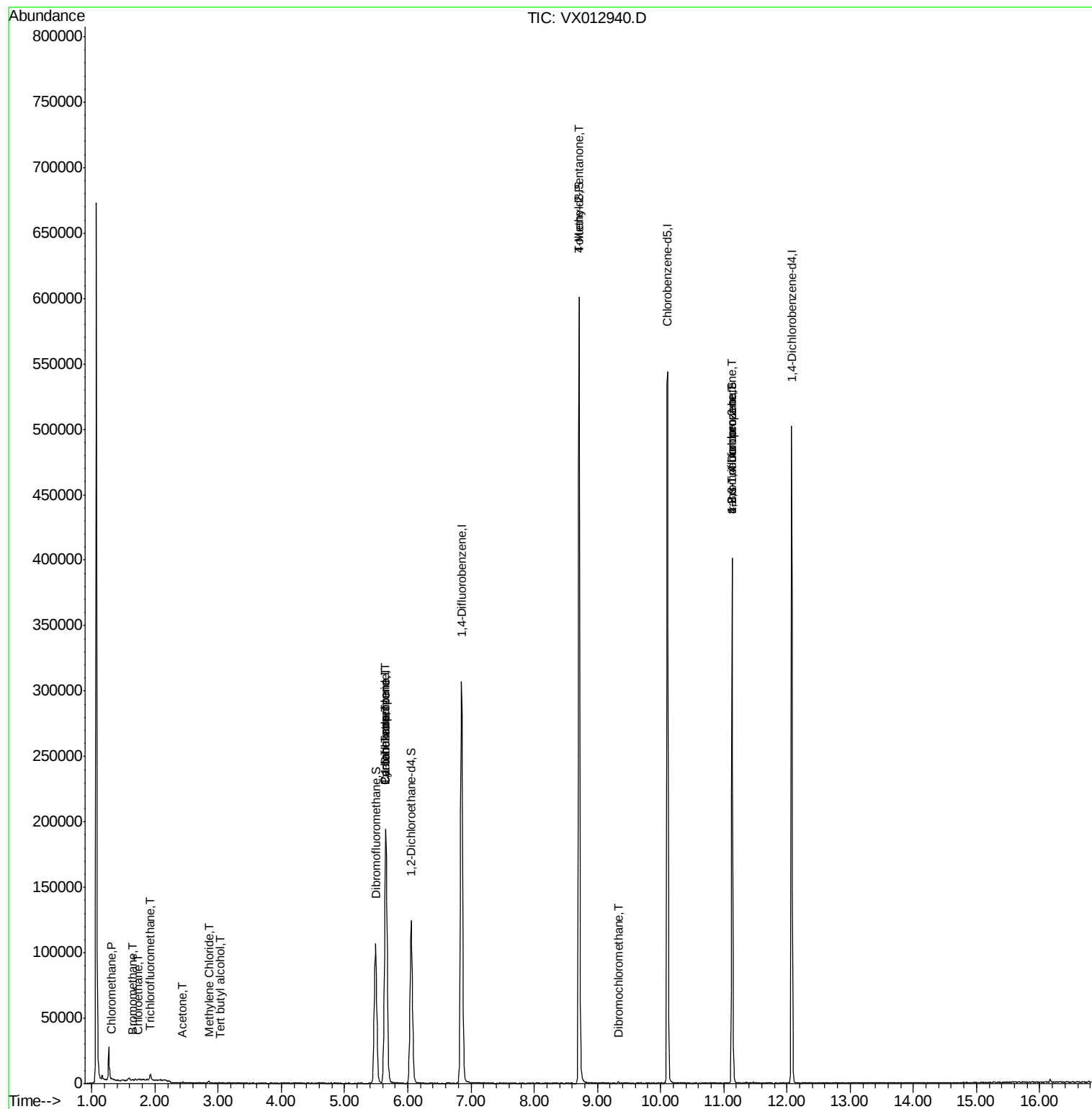
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	453	0.228	ug/l	96
5) Bromomethane	1.65	94	209	0.245	ug/l	95
6) Chloroethane	1.72	64	296	0.602	ug/l	99
7) Trichlorofluoromethane	1.92	101	2699	0.974	ug/l	98
11) Tert butyl alcohol	3.03	59	617	1.039	ug/l #	72
16) Acetone	2.43	43	616	0.522	ug/l #	69
20) Methylene Chloride	2.85	84	649	0.299	ug/l #	63
31) Cyclohexane	5.65	56	4057	1.248	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15175	5.695	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18695	7.208	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	1620	0.543	ug/l #	1
60) Dibromochloromethane	9.33	129	114	1.906	ug/l #	10
76) 1,2,3-Trichloropropane	11.14	75	59761	27.790	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	59761	69.709	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: VX012940.D

Acq: 09 Oct 2019 14:12

Instrument :

MSVOA_X

ClientSampleId :

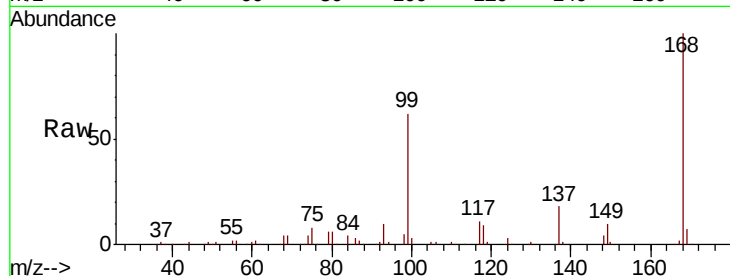
FA19-JBW7106B

Tot Ion:168 Resp: 179226

Ion Ratio Lower Upper

168 100

99 61.8 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

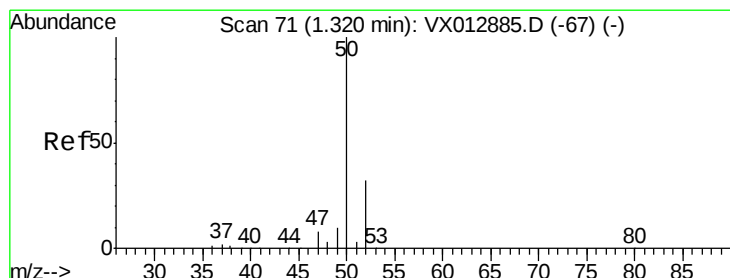
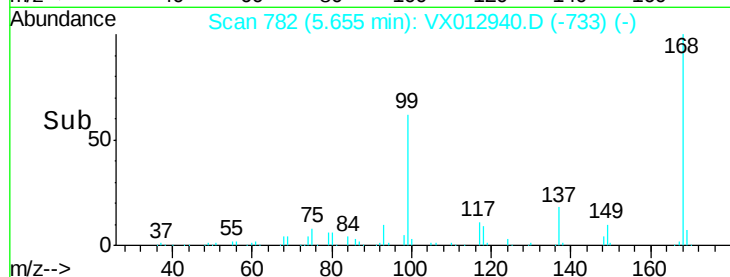
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.228 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012940.D

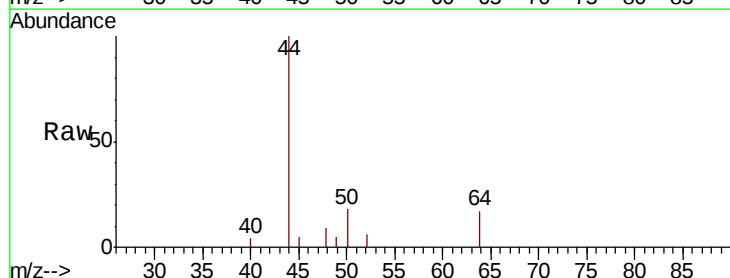
Acq: 09 Oct 2019 14:12

Tgt Ion: 50 Resp: 453

Ion Ratio Lower Upper

50 100

52 33.6 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

300

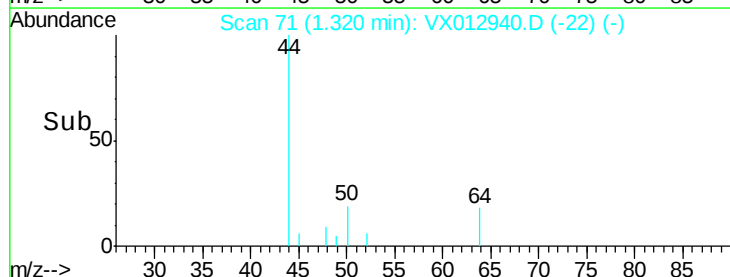
200

100

0

Time-->

1.28 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.245 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012940.D

Acq: 09 Oct 2019 14:12

Instrument :

MSVOA_X

ClientSampleId :

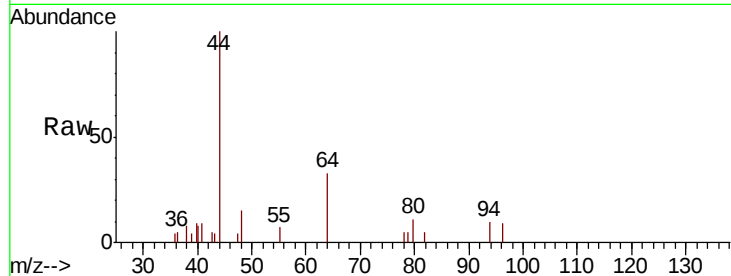
FA19-JBW7106B

Tot Ion: 94 Resp: 209

Ion Ratio Lower Upper

94 100

96 88.7 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

150

100

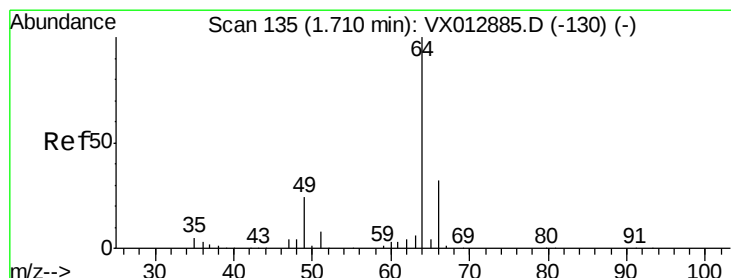
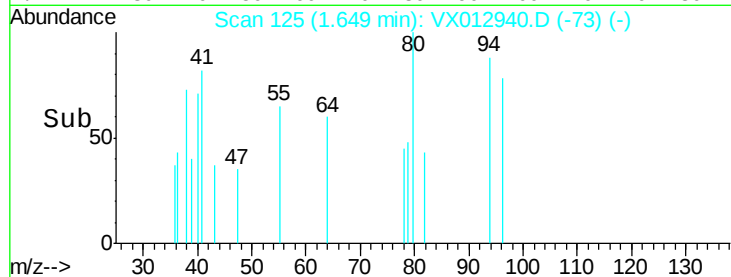
50

0

1.60

1.65

Time-->



#6

Chloroethane

Concen: 0.602 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX012940.D

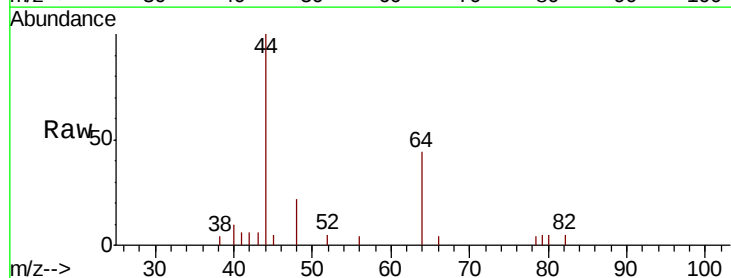
Acq: 09 Oct 2019 14:12

Tgt Ion: 64 Resp: 296

Ion Ratio Lower Upper

64 100

66 31.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

600

400

200

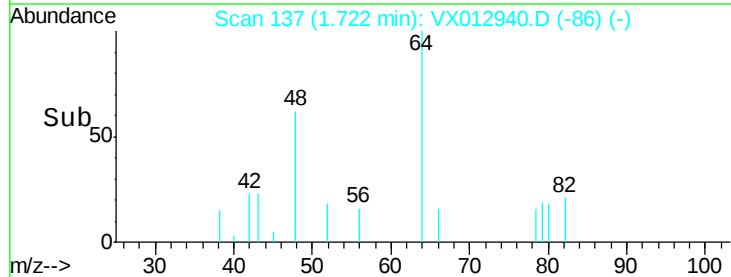
0

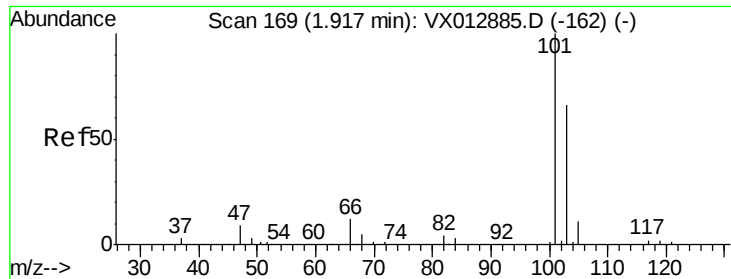
1.70

1.72

1.74

Time-->



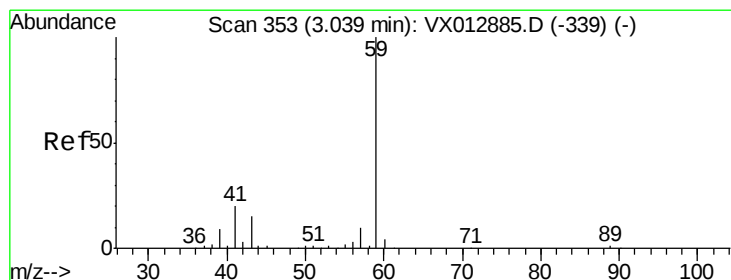
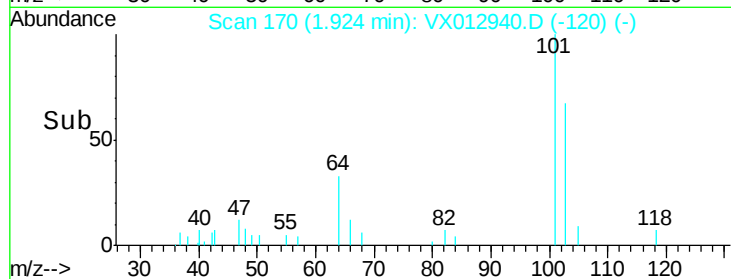
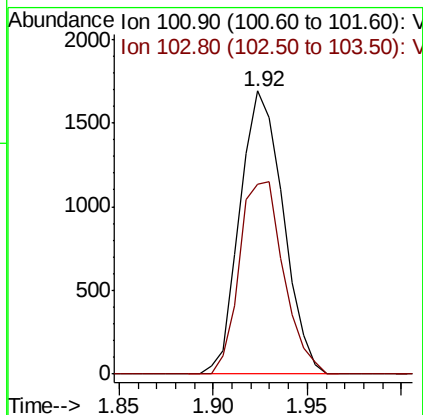
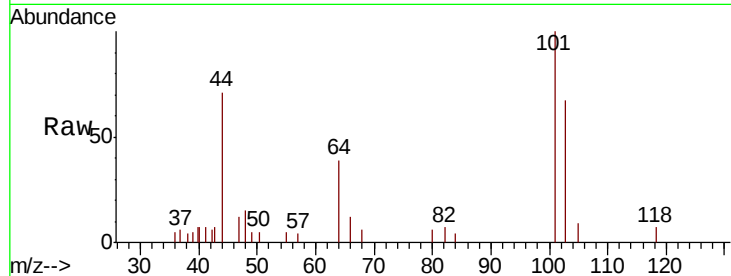


#7

Trichlorofluoromethane
Concen: 0.974 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX012940.D
Acq: 09 Oct 2019 14:12

Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7106B

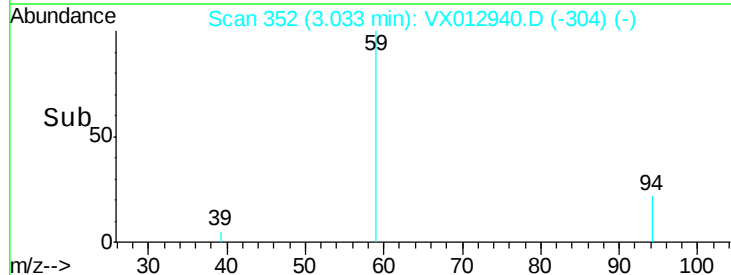
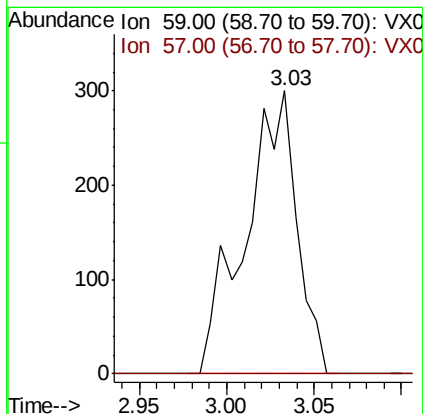
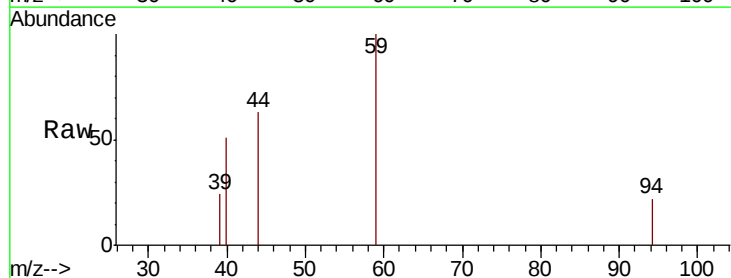
Tot Ion:101 Resp: 2699
Ion Ratio Lower Upper
101 100
103 66.9 52.5 78.7

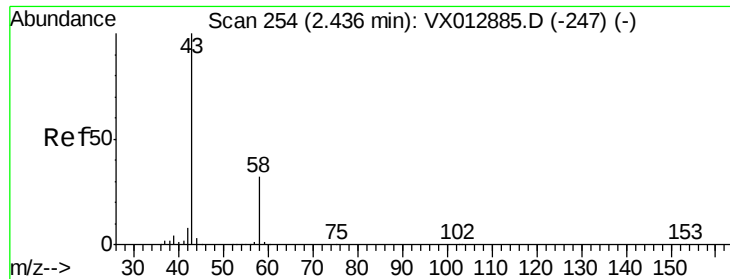


#11

Tert butyl alcohol
Concen: 1.039 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012940.D
Acq: 09 Oct 2019 14:12

Tgt Ion: 59 Resp: 617
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 0.522 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012940.D

Acq: 09 Oct 2019 14:12

Instrument :

MSVOA_X

ClientSampleId :

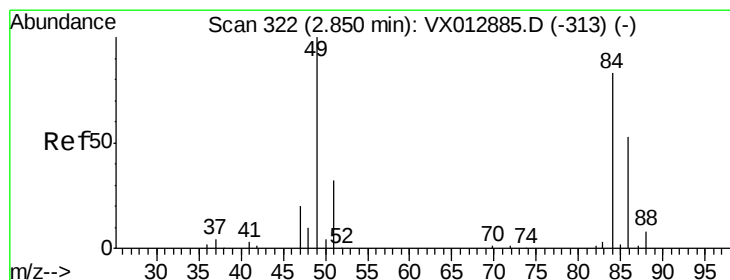
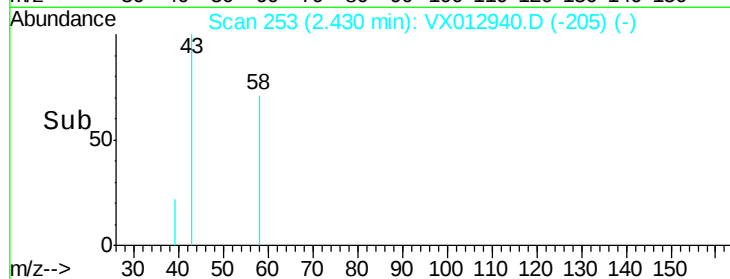
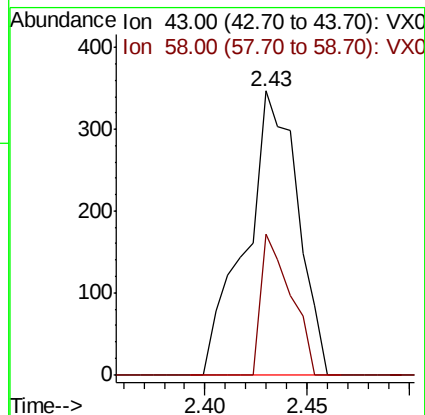
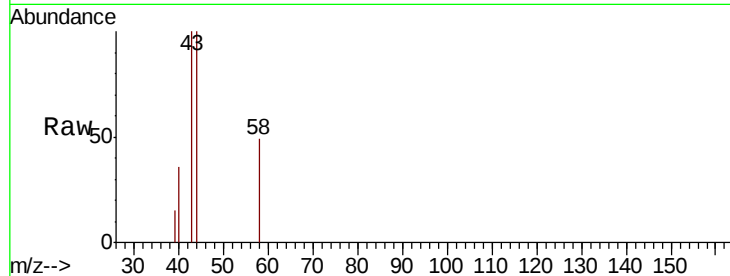
FA19-JBW7106B

Tot Ion: 43 Resp: 616

Ion Ratio Lower Upper

43 100

58 49.3 25.4 38.2#



#20

Methylene Chloride

Concen: 0.299 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX012940.D

Acq: 09 Oct 2019 14:12

Tgt Ion: 84 Resp: 649

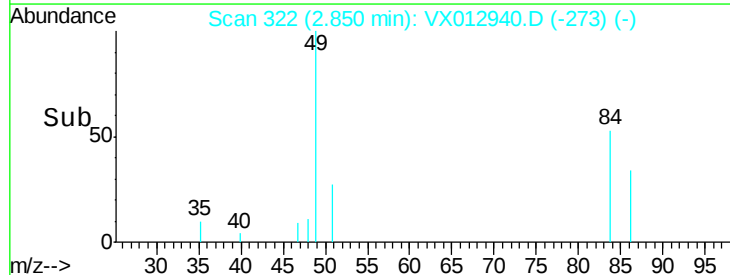
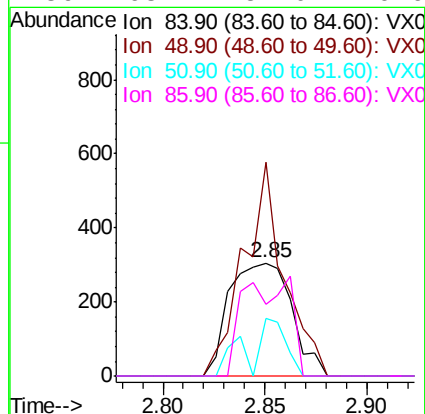
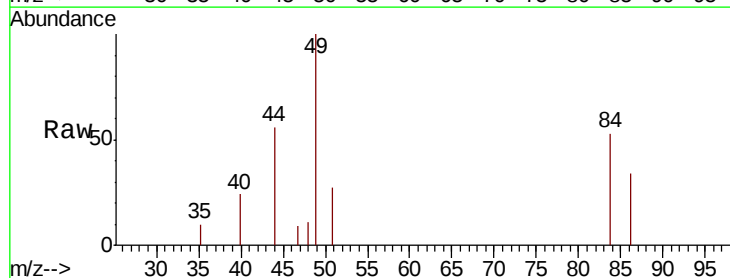
Ion Ratio Lower Upper

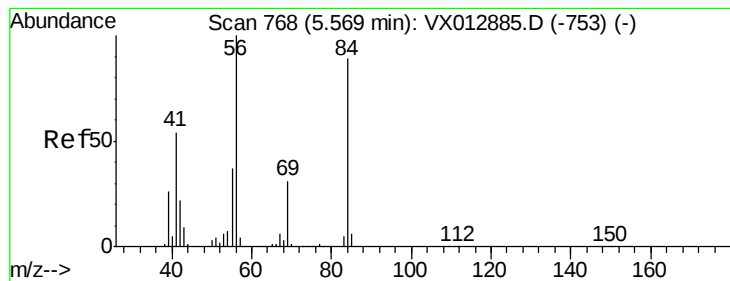
84 100

49 188.6 96.6 144.8#

51 51.0 30.7 46.1#

86 63.7 51.0 76.6





#31

Cyclohexane

Concen: 1.248 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012940.D

Acq: 09 Oct 2019 14:12

Instrument :

MSVOA_X

ClientSampleId :

FA19-JBW7106B

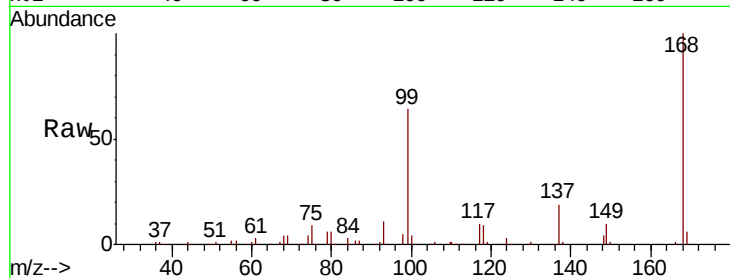
Tot Ion: 56 Resp: 4057

Ion Ratio Lower Upper

56 100

69 170.3 25.2 37.8#

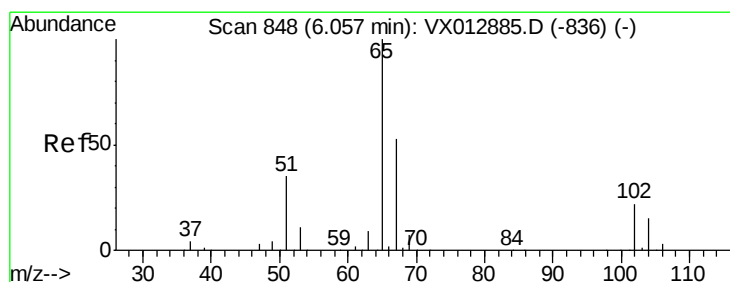
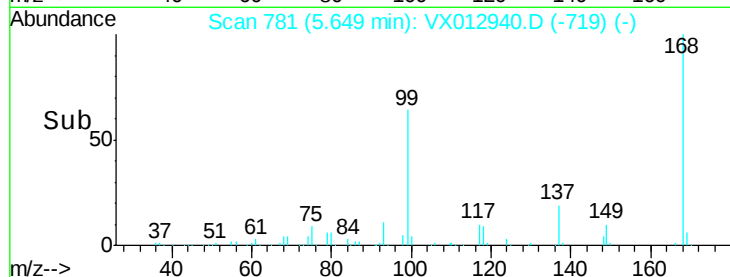
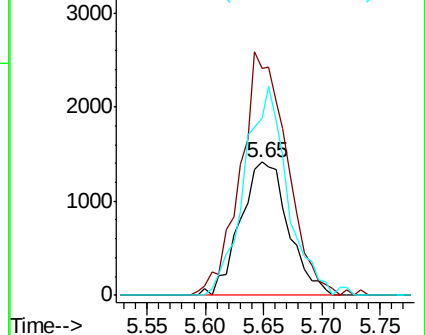
84 138.8 71.3 106.9#



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: 53.287 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX012940.D

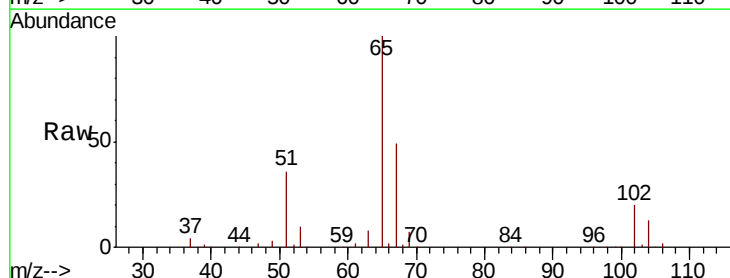
Acq: 09 Oct 2019 14:12

Tgt Ion: 65 Resp: 119368

Ion Ratio Lower Upper

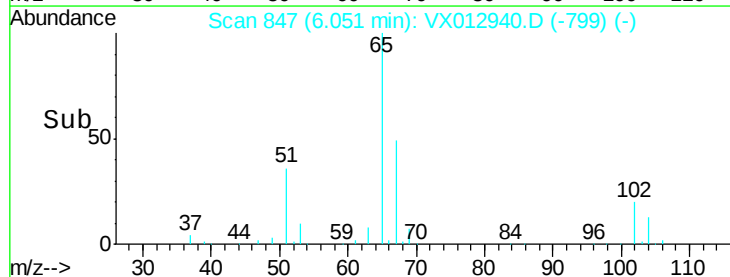
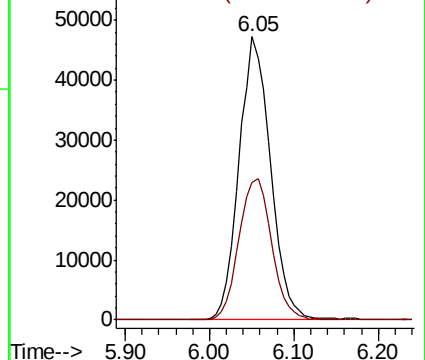
65 100

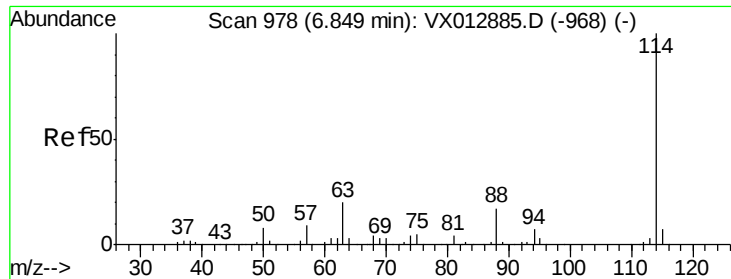
67 51.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

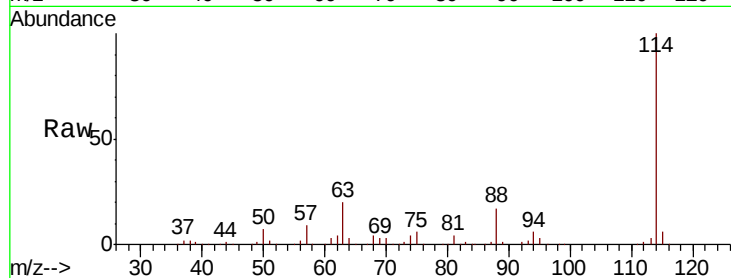




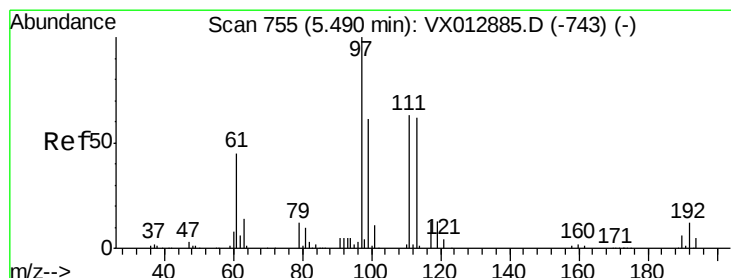
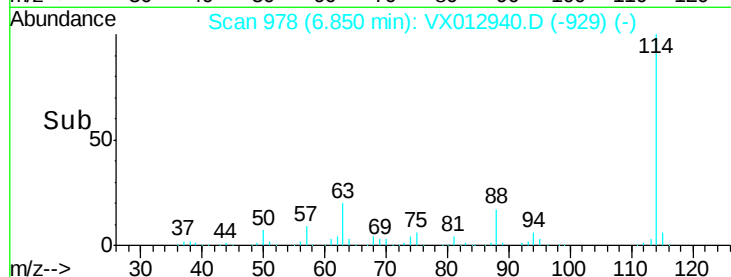
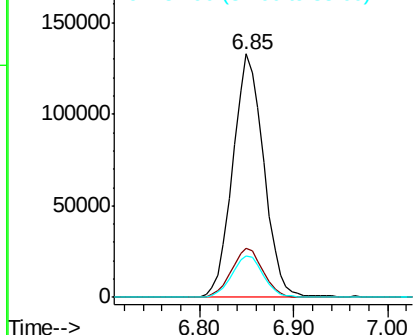
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012940.D
 Acq: 09 Oct 2019 14:12

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7106B

Tot Ion:114 Resp: 303094
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.8
 88 17.2 0.0 33.8

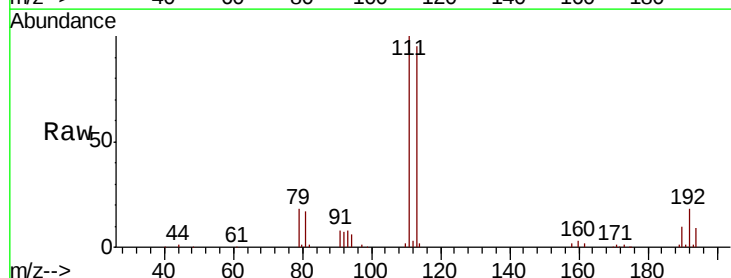


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

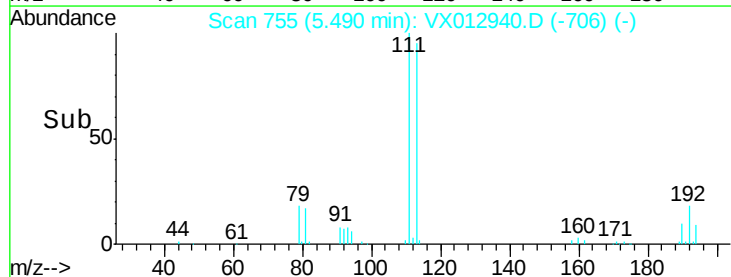
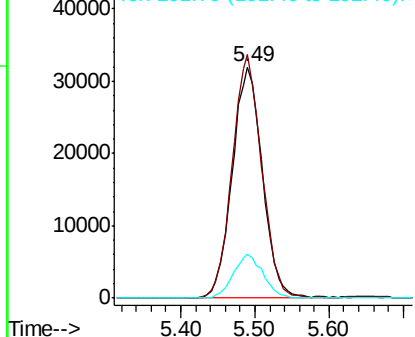


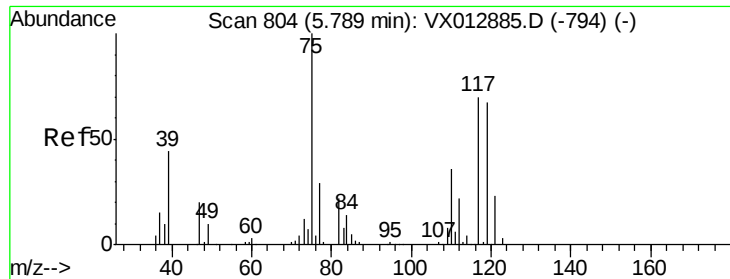
#35
 Dibromofluoromethane
 Concen: 52.207 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012940.D
 Acq: 09 Oct 2019 14:12

Tgt Ion:113 Resp: 90819
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.2 124.8
 192 18.6 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

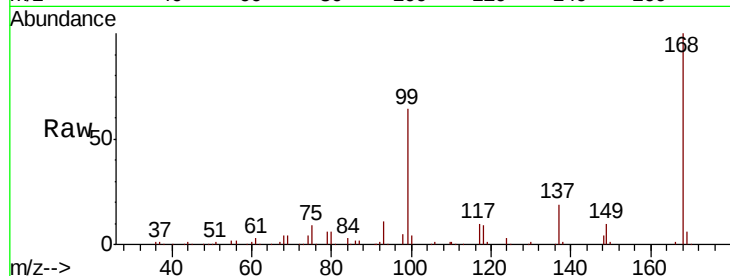




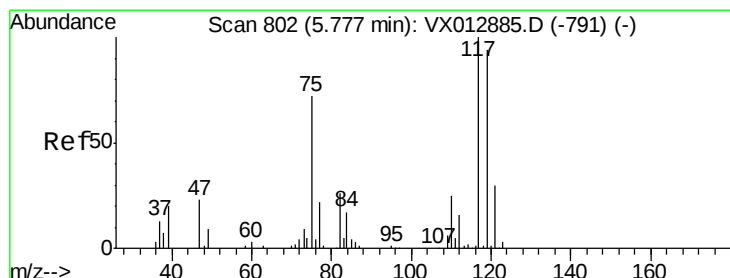
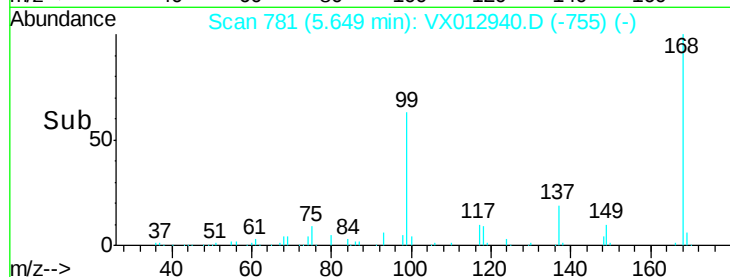
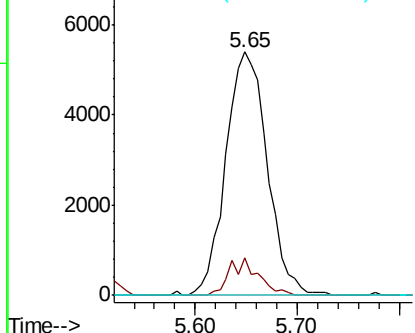
#36
 1,1-Dichloropropene
 Concen: 5.695 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012940.D
 Acq: 09 Oct 2019 14:12

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7106B

Tot Ion: 75 Resp: 15175
 Ion Ratio Lower Upper
 75 100
 110 10.7 17.6 52.9#
 77 0.0 24.4 36.6#

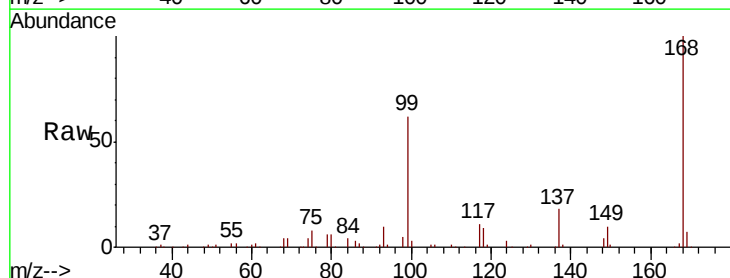


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

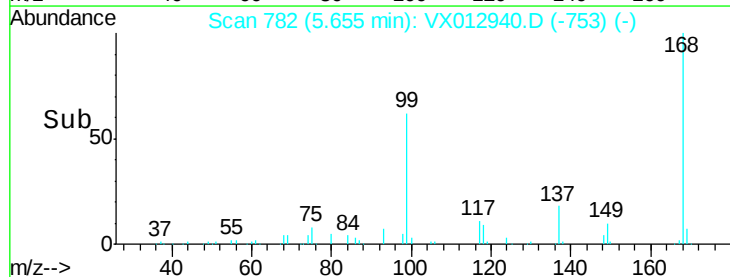
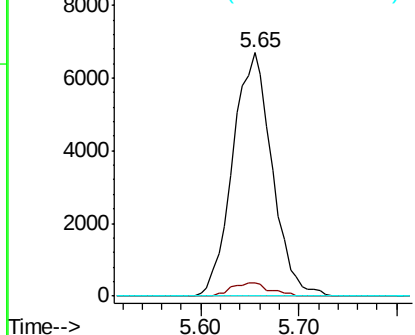


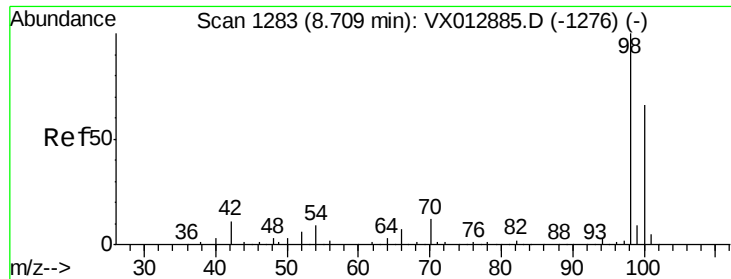
#38
 Carbon Tetrachloride
 Concen: 7.208 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012940.D
 Acq: 09 Oct 2019 14:12

Tgt Ion:117 Resp: 18695
 Ion Ratio Lower Upper
 117 100
 119 5.3 74.5 111.7#
 121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

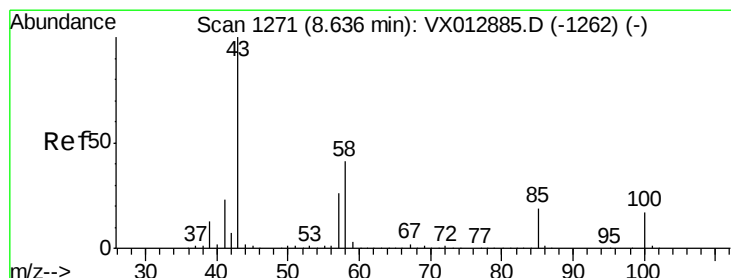
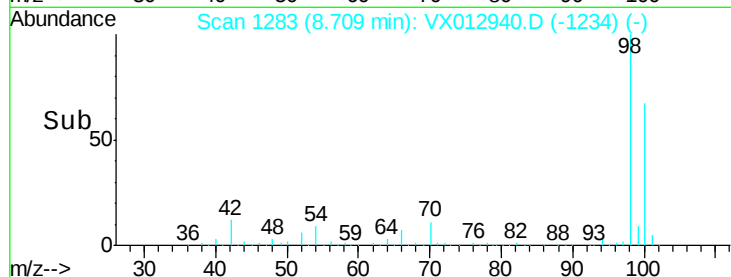
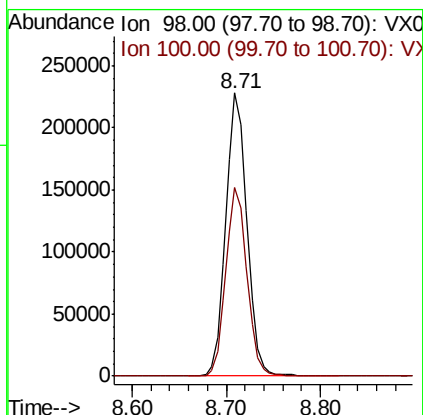
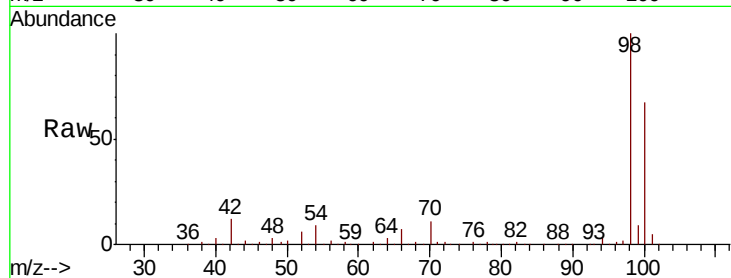




#50
Toluene-d8
Concen: 52.416 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012940.D
Acq: 09 Oct 2019 14:12

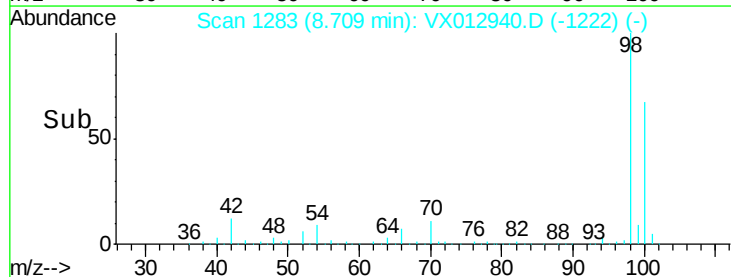
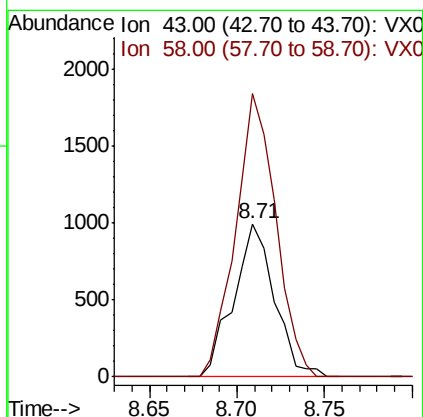
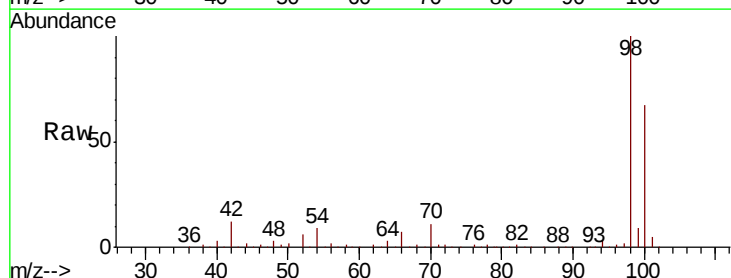
Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7106B

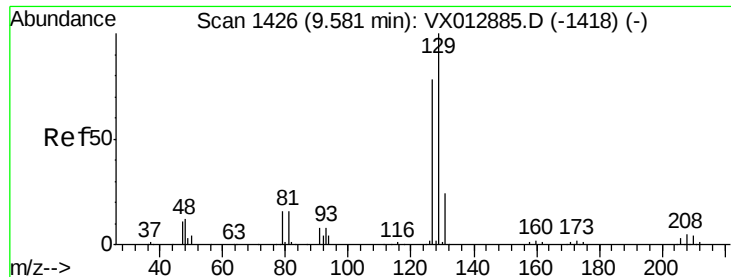
Tot Ion: 98 Resp: 355636
Ion Ratio Lower Upper
98 100
100 67.0 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.543 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX012940.D
Acq: 09 Oct 2019 14:12

Tgt Ion: 43 Resp: 1620
Ion Ratio Lower Upper
43 100
58 181.7 32.4 48.6#





#60

Dibromochloromethane

Concen: 1.906 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX012940.D

Acq: 09 Oct 2019 14:12

Instrument :

MSVOA_X

ClientSampleId :

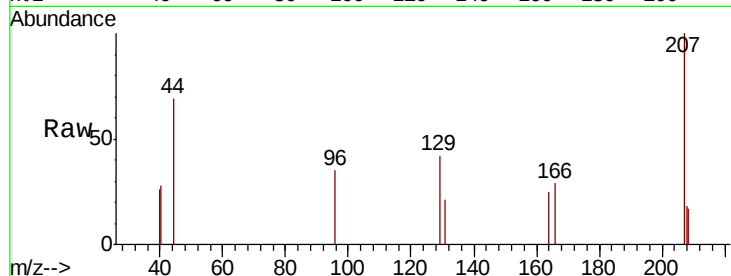
FA19-JBW7106B

Tot Ion:129 Resp: 114

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.33

150

100

50

0

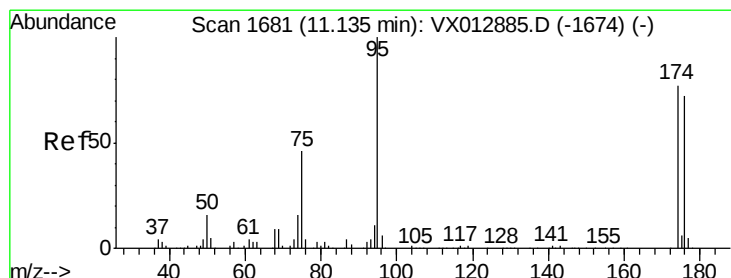
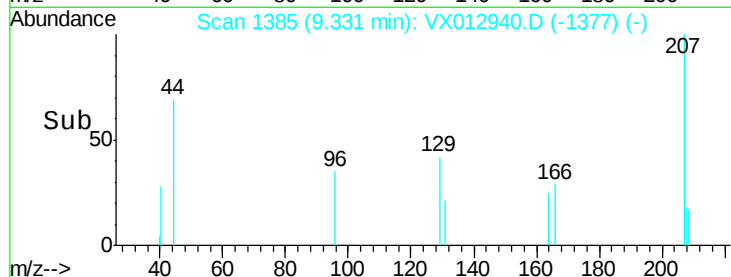
Time-->

9.30

9.32

9.34

9.36



#62

4-Bromofluorobenzene

Concen: 44.878 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012940.D

Acq: 09 Oct 2019 14:12

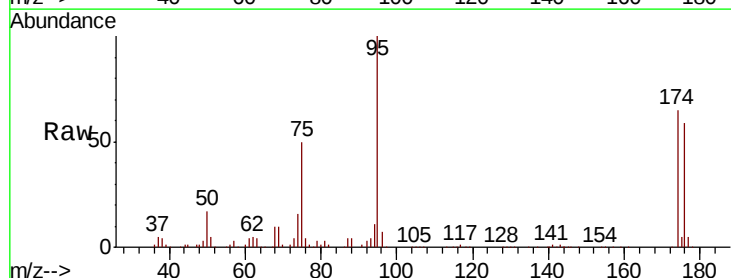
Tgt Ion: 95 Resp: 118311

Ion Ratio Lower Upper

95 100

174 72.1 0.0 143.4

176 67.6 0.0 136.0



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

120000

100000

80000

60000

40000

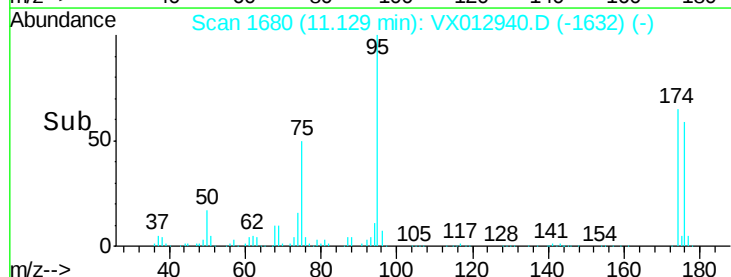
20000

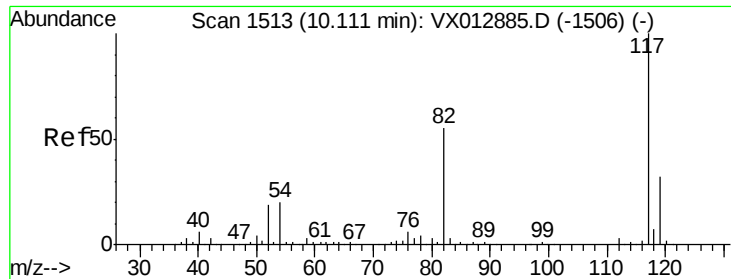
0

Time-->

11.10

11.20

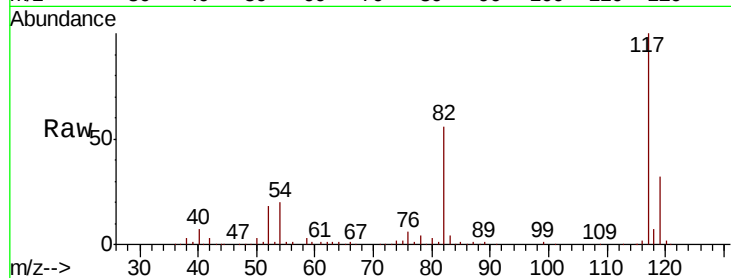




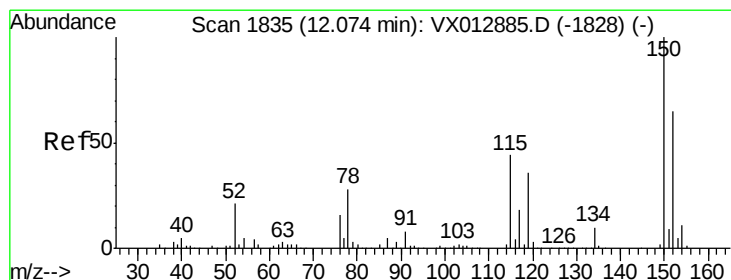
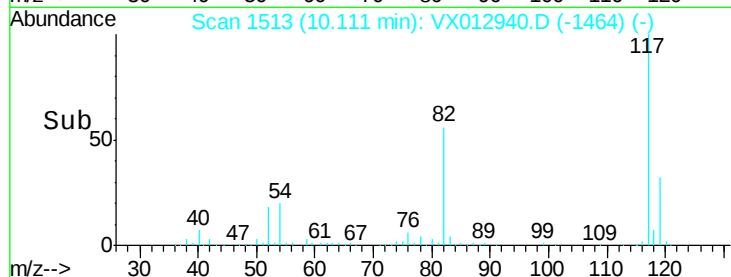
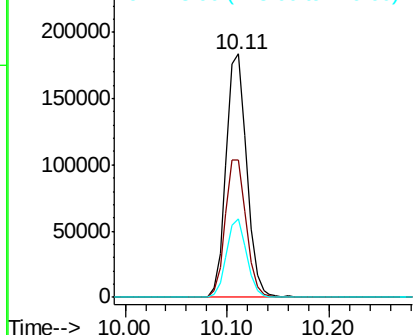
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012940.D
Acq: 09 Oct 2019 14:12

Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7106B

Tot Ion:117 Resp: 257473
Ion Ratio Lower Upper
117 100
82 56.4 44.1 66.1
119 32.1 25.8 38.8

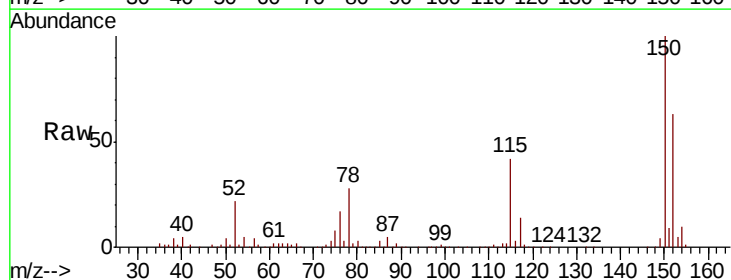


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

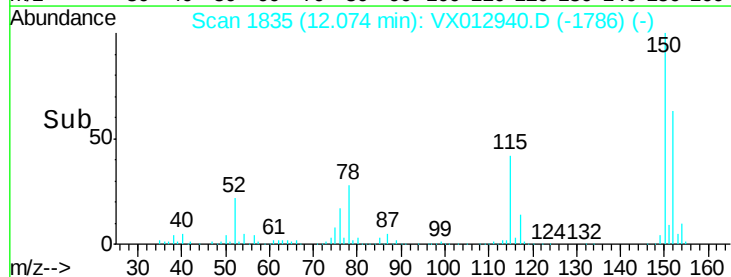
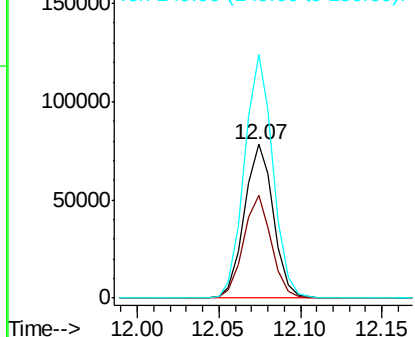


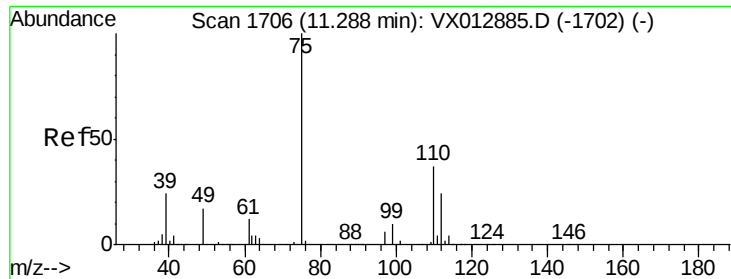
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012940.D
Acq: 09 Oct 2019 14:12

Tgt Ion:152 Resp: 96954
Ion Ratio Lower Upper
152 100
115 64.5 44.5 133.5
150 155.5 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: 27.790 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012940.D

Acq: 09 Oct 2019 14:12

Instrument :

MSVOA_X

ClientSampleId :

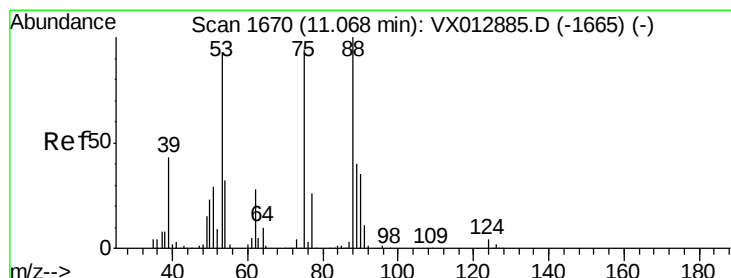
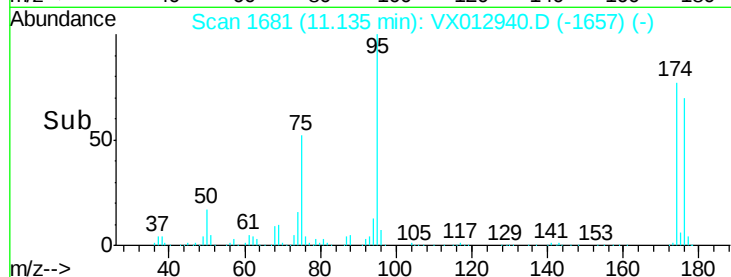
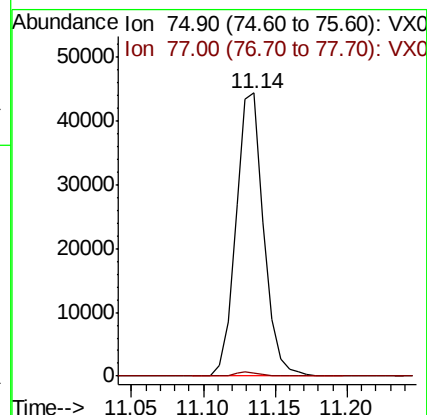
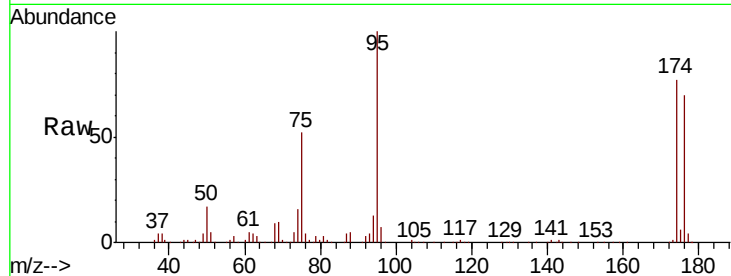
FA19-JBW7106B

Tot Ion: 75 Resp: 59761

Ion Ratio Lower Upper

75 100

77 1.2 22.9 68.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.709 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012940.D

Acq: 09 Oct 2019 14:12

Tgt Ion: 75 Resp: 59761

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#

